

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090319\  
 Data File : VU034187.D  
 Acq On : 02 Sep 2019 09:13  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 9/3/2019 1:09:24 PM

Quant Time: Sep 03 06:00:10 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 29 04:11:12 2019  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene         | 4.96  | 168  | 391548   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 5.86  | 114  | 587624   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 9.07  | 117  | 571835   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.46 | 152  | 318543   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4     | 5.29  | 65   | 244576   | 48.75   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 97.50%  |          |
| 35) Dibromofluoromethane      | 4.86  | 113  | 209385   | 51.37   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 102.74% |          |
| 50) Toluene-d8                | 7.55  | 98   | 811265   | 53.16   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 106.32% |          |
| 62) 4-Bromofluorobenzene      | 10.29 | 95   | 308021   | 51.89   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 103.78% |          |
| Target Compounds              |       |      |          |         |         |          |
|                               |       |      |          |         | Qvalue  |          |
| 2) Dichlorodifluoromethane    | 1.20  | 85   | 200307   | 50.867  | ug/l    | 100      |
| 3) Chloromethane              | 1.32  | 50   | 237589   | 44.967  | ug/l    | 99       |
| 4) Vinyl Chloride             | 1.40  | 62   | 249753   | 47.653  | ug/l    | 99       |
| 5) Bromomethane               | 1.61  | 94   | 129587   | 51.546  | ug/l    | 99       |
| 6) Chloroethane               | 1.69  | 64   | 150333   | 46.918  | ug/l    | 99       |
| 7) Trichlorofluoromethane     | 1.87  | 101  | 304112   | 50.077  | ug/l    | 99       |
| 8) Diethyl Ether              | 2.09  | 74   | 132288   | 50.921  | ug/l    | 95       |
| 9) 1,1,2-Trichlorotrifluoroet | 2.28  | 101  | 198863   | 51.691  | ug/l    | 99       |
| 10) Methyl Iodide             | 2.40  | 142  | 165592   | 30.343  | ug/l    | 99       |
| 11) Tert butyl alcohol        | 2.81  | 59   | 255409   | 220.759 | ug/l    | 100      |
| 12) 1,1-Dichloroethene        | 2.27  | 96   | 193045   | 49.249  | ug/l    | 99       |
| 13) Acrolein                  | 2.18  | 56   | 75069    | 154.240 | ug/l    | 99       |
| 14) Allyl chloride            | 2.58  | 41   | 355395m  | 48.223  | ug/l    |          |
| 15) Acrylonitrile             | 2.92  | 53   | 674655   | 254.120 | ug/l    | 100      |
| 16) Acetone                   | 2.31  | 43   | 766971   | 299.606 | ug/l    | 99       |
| 17) Carbon Disulfide          | 2.46  | 76   | 544074   | 43.856  | ug/l    | 99       |
| 18) Methyl Acetate            | 2.60  | 43   | 315080   | 47.629  | ug/l    | 100      |
| 19) Methyl tert-butyl Ether   | 2.98  | 73   | 659575   | 51.356  | ug/l    | 99       |
| 20) Methylene Chloride        | 2.69  | 84   | 233796   | 48.243  | ug/l    | 98       |
| 21) trans-1,2-Dichloroethene  | 2.96  | 96   | 208795   | 49.081  | ug/l    | 98       |
| 22) Diisopropyl ether         | 3.55  | 45   | 701220   | 51.924  | ug/l    | 98       |
| 23) Vinyl Acetate             | 3.50  | 43   | 2976116  | 256.541 | ug/l    | 99       |
| 24) 1,1-Dichloroethane        | 3.42  | 63   | 403469   | 50.604  | ug/l    | 100      |
| 25) 2-Butanone                | 4.23  | 43   | 969522   | 272.220 | ug/l    | 99       |
| 26) 2,2-Dichloropropane       | 4.20  | 77   | 326114   | 50.267  | ug/l    | 99       |
| 27) cis-1,2-Dichloroethene    | 4.20  | 96   | 235737   | 49.370  | ug/l    | 100      |
| 28) Bromochloromethane        | 4.52  | 49   | 200533   | 51.050  | ug/l    | 99       |
| 29) Tetrahydrofuran           | 4.61  | 42   | 557282   | 253.726 | ug/l    | 98       |
| 30) Chloroform                | 4.65  | 83   | 389585   | 48.974  | ug/l    | 99       |
| 31) Cyclohexane               | 4.97  | 56   | 346530   | 46.254  | ug/l    | 99       |
| 32) 1,1,1-Trichloroethane     | 4.89  | 97   | 323907   | 49.716  | ug/l    | 99       |
| 36) 1,1-Dichloropropene       | 5.11  | 75   | 284448   | 51.176  | ug/l    | 99       |
| 37) Ethyl Acetate             | 4.36  | 43   | 320424   | 51.481  | ug/l    | 100      |
| 38) Carbon Tetrachloride      | 5.11  | 117  | 278195   | 51.853  | ug/l    | 98       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 9/3/2019 1:09:24 PM

Quant Time: Sep 03 06:00:10 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 29 04:11:12 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 6.40  | 83   | 339213   | 51.780  | ug/l   | 99       |
| 40) Benzene                    | 5.37  | 78   | 876063   | 52.095  | ug/l   | 100      |
| 41) Methacrylonitrile          | 4.52  | 41   | 172101   | 53.915  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 5.38  | 62   | 301972   | 52.001  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 5.53  | 43   | 487639   | 51.498  | ug/l   | 99       |
| 44) Trichloroethene            | 6.16  | 130  | 232946   | 52.750  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 6.41  | 63   | 246565   | 53.263  | ug/l   | 100      |
| 46) Dibromomethane             | 6.54  | 93   | 158688   | 53.208  | ug/l   | 99       |
| 47) Bromodichloromethane       | 6.74  | 83   | 310886   | 53.280  | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.60  | 41   | 236764   | 51.816  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 6.59  | 88   | 111948   | 977.819 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone       | 7.44  | 43   | 1674162  | 256.010 | ug/l   | 99       |
| 52) Toluene                    | 7.62  | 92   | 558703   | 53.932  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 7.86  | 75   | 339196   | 52.390  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 7.25  | 75   | 379174   | 53.606  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 8.04  | 97   | 229228   | 52.313  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 8.00  | 69   | 342206   | 47.138  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 8.22  | 76   | 391729   | 52.650  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 7.11  | 63   | 576776   | 237.925 | ug/l   | 99       |
| 59) 2-Hexanone                 | 8.34  | 43   | 1345419  | 272.535 | ug/l   | 100      |
| 60) Dibromochloromethane       | 8.46  | 129  | 250992   | 53.361  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 8.57  | 107  | 238977   | 51.773  | ug/l   | 99       |
| 64) Tetrachloroethene          | 8.21  | 164  | 207327   | 53.988  | ug/l   | 98       |
| 65) Chlorobenzene              | 9.10  | 112  | 611168   | 51.936  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.19  | 131  | 218461   | 51.196  | ug/l   | 99       |
| 67) Ethyl Benzene              | 9.23  | 91   | 1057593  | 53.018  | ug/l   | 99       |
| 68) m/p-Xylenes                | 9.35  | 106  | 831564   | 109.633 | ug/l   | 100      |
| 69) o-Xylene                   | 9.76  | 106  | 387780   | 53.289  | ug/l   | 98       |
| 70) Styrene                    | 9.77  | 104  | 703063   | 56.347  | ug/l   | 100      |
| 71) Bromoform                  | 9.94  | 173  | 192912   | 52.034  | ug/l # | 99       |
| 73) Isopropylbenzene           | 10.15 | 105  | 1075782  | 50.279  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.00 | 43   | 446220   | 49.585  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.44 | 83   | 388996   | 47.500  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 10.48 | 75   | 324311m  | 45.172  | ug/l   |          |
| 77) Bromobenzene               | 10.43 | 156  | 280411   | 48.719  | ug/l   | 99       |
| 78) n-propylbenzene            | 10.57 | 91   | 1281911  | 51.445  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 10.64 | 91   | 755135   | 50.524  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 10.75 | 105  | 939485   | 51.806  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 10.49 | 75   | 88379m   | 41.451  | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.75 | 91   | 884442   | 51.454  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.08 | 119  | 886049   | 49.632  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.13 | 105  | 949496   | 52.728  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.31 | 105  | 1091432  | 51.009  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 11.46 | 119  | 1016684  | 52.537  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 11.40 | 146  | 523577   | 51.383  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 11.49 | 146  | 527102   | 51.150  | ug/l   | 100      |
| 89) n-Butylbenzene             | 11.87 | 91   | 931045   | 54.570  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.13 | 117  | 152462   | 45.568  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 11.86 | 146  | 505461   | 51.784  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.64 | 75   | 80177    | 49.143  | ug/l   | 97       |

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Acq On : 02 Sep 2019 09:13  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

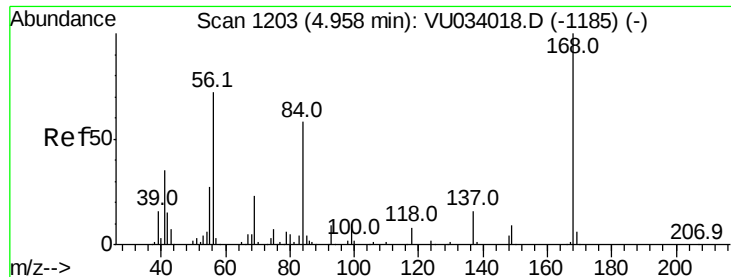
MMDadoda  
9/3/2019 1:09:24 PM

Quant Time: Sep 03 06:00:10 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 29 04:11:12 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.49 | 180  | 355992   | 51.246 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.67 | 225  | 174008   | 45.571 | ug/l  | 99       |
| 95) Naphthalene            | 13.72 | 128  | 955854   | 48.143 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 13.97 | 180  | 343379   | 54.917 | ug/l  | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 391548

Ion Ratio Lower Upper

168 100

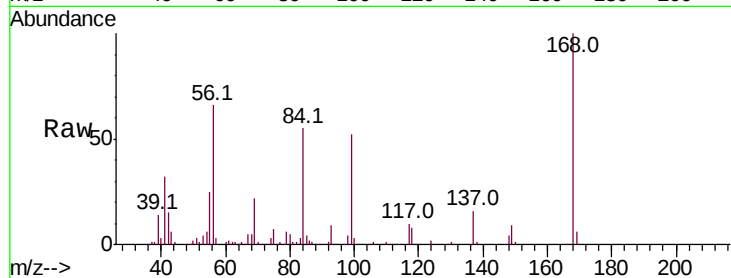
99 51.4 42.3 63.5

Manual Integrations

APPROVED

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9/3/2019 1:09:24 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

200000

150000

100000

50000

0

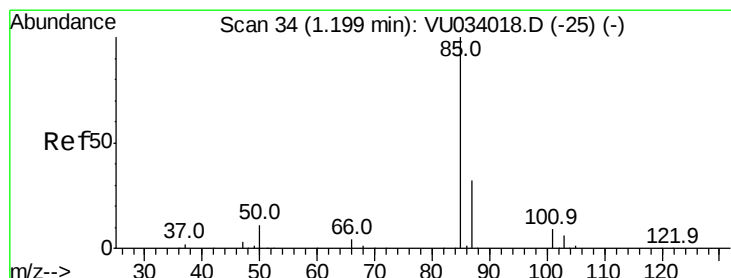
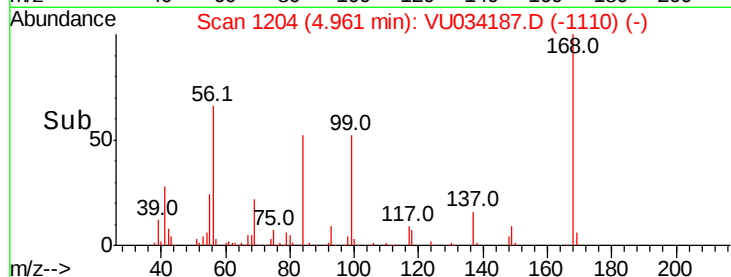
4.96

4.90

5.00

5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.867 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034187.D

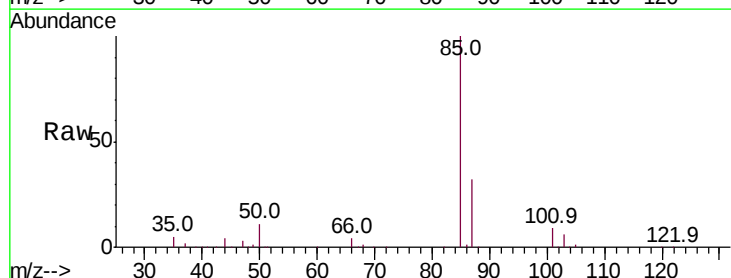
Acq: 02 Sep 2019 09:13

Tgt Ion: 85 Resp: 200307

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0

200000

150000

100000

50000

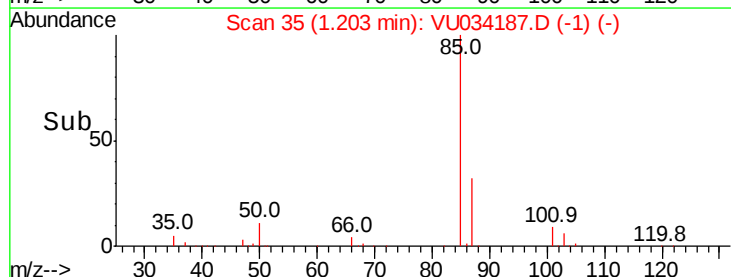
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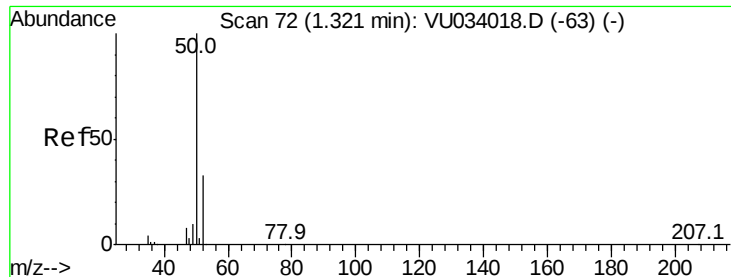
1.20

1.15

1.25

Time-->





#3

Chloromethane

Concen: 44.967 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 237589

Ion Ratio Lower Upper

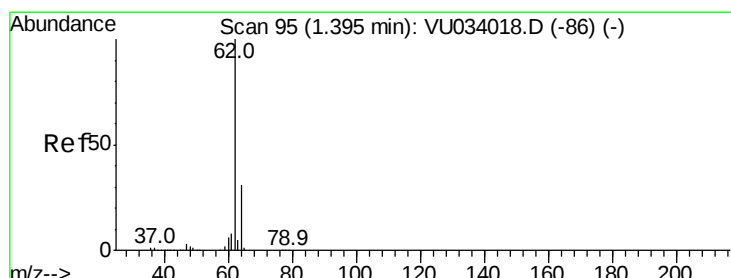
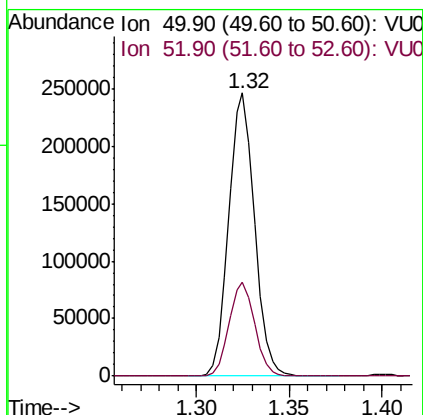
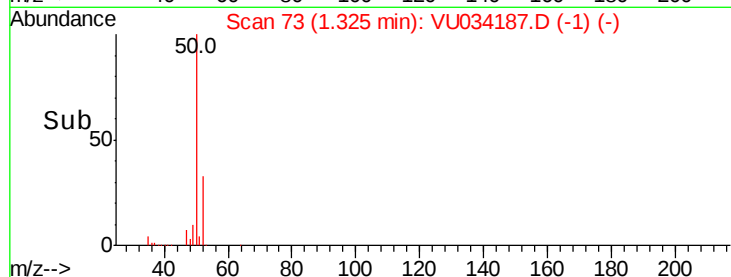
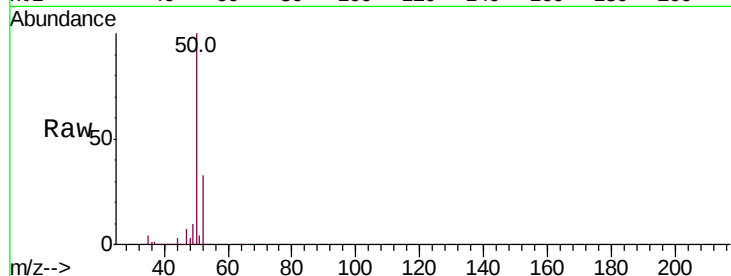
50 100

52 33.2 26.2 39.4

Manual Integrations  
APPROVED

MMDadoda

9/3/2019 1:09:24 PM



#4

Vinyl Chloride

Concen: 47.653 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034187.D

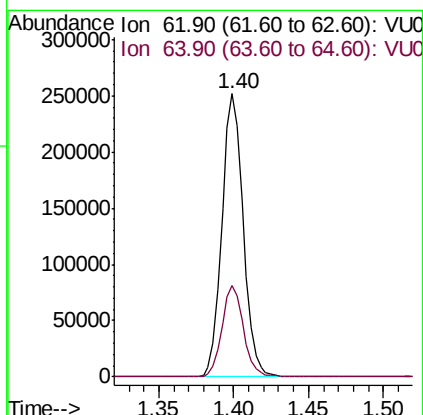
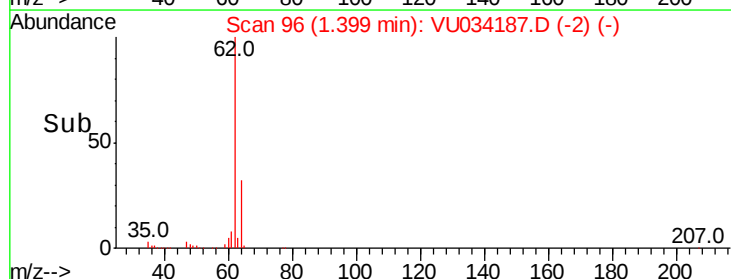
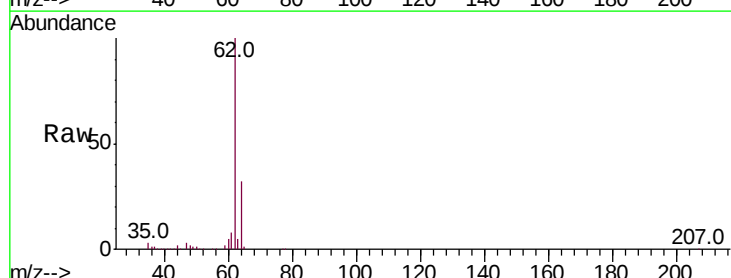
Acq: 02 Sep 2019 09:13

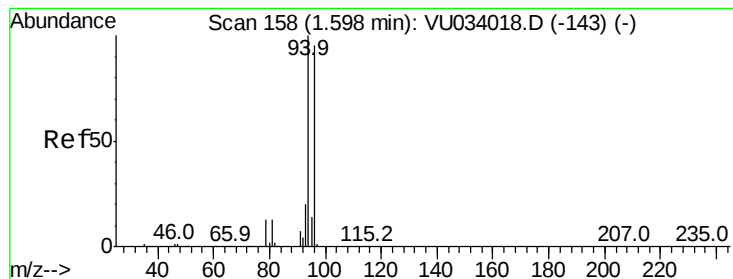
Tgt Ion: 62 Resp: 249753

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.6





#5

Bromomethane

Concen: 51.546 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 129587

Ion Ratio Lower Upper

94 100

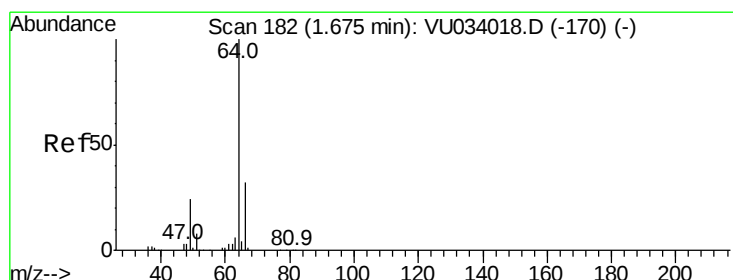
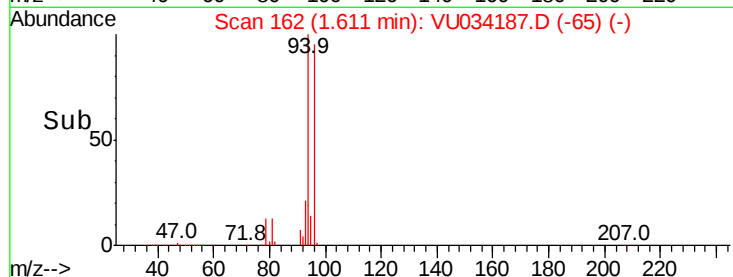
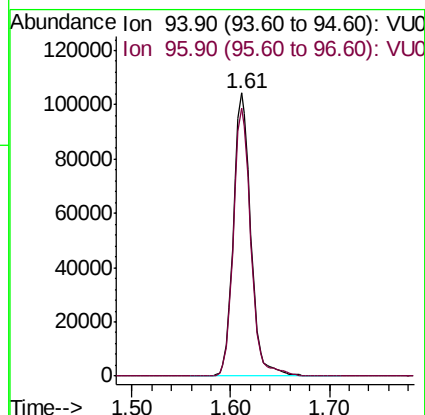
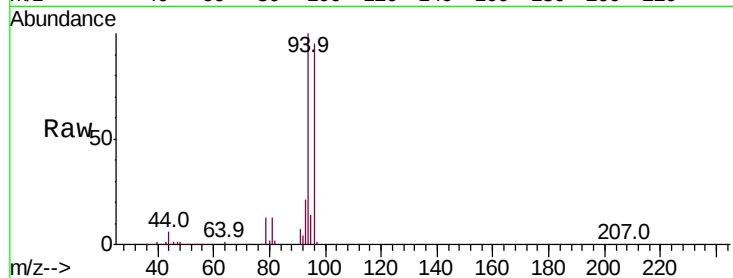
96 94.8 76.3 114.5

Manual Integrations

APPROVED

MMDadoda

9/3/2019 1:09:24 PM



#6

Chloroethane

Concen: 46.918 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.01 min

Lab File: VU034187.D

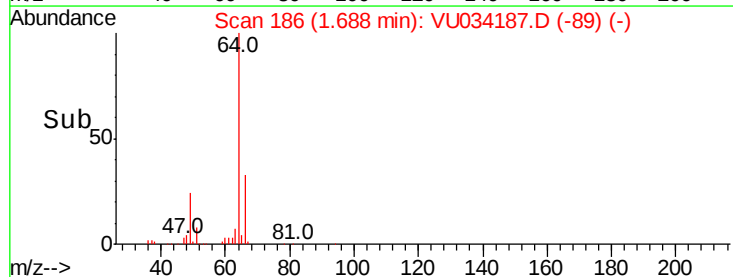
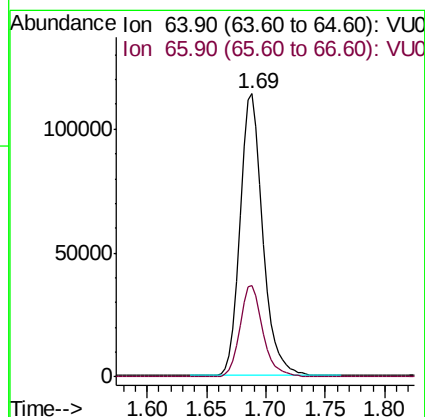
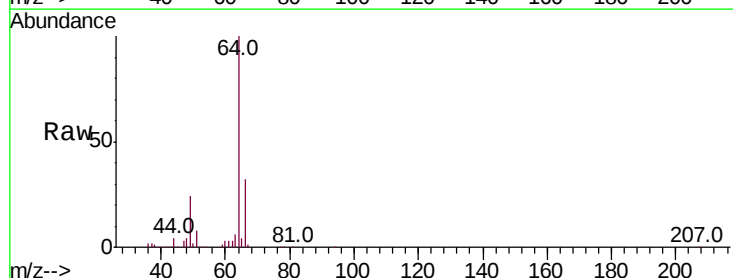
Acq: 02 Sep 2019 09:13

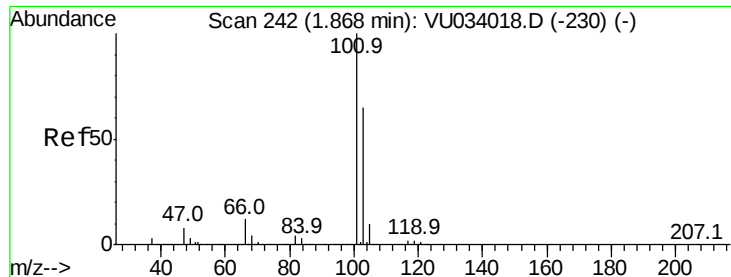
Tgt Ion: 64 Resp: 150333

Ion Ratio Lower Upper

64 100

66 32.6 25.5 38.3





#7

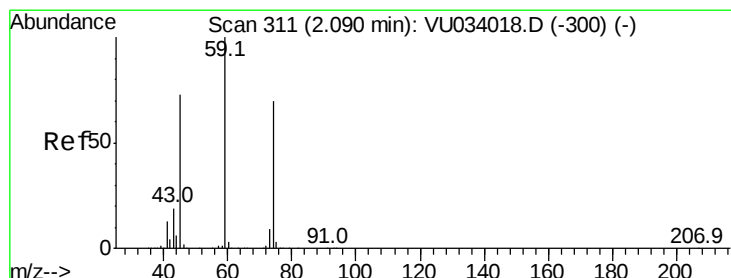
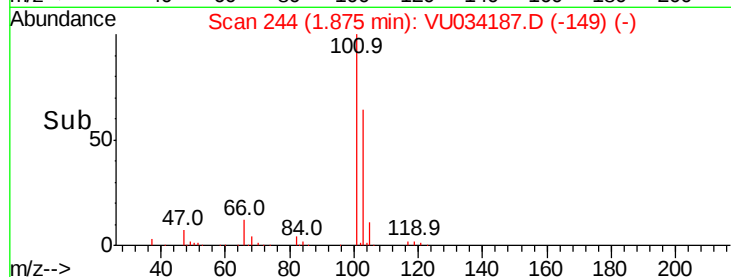
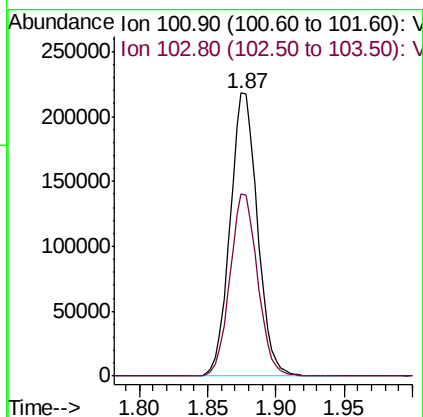
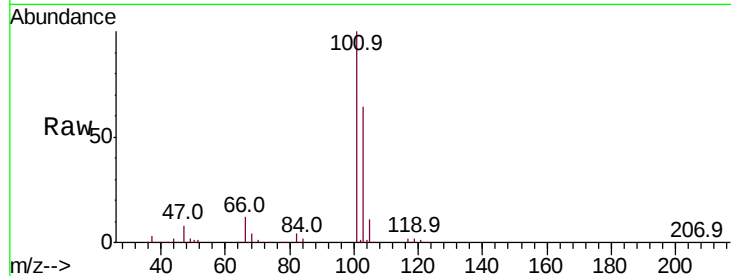
Trichlorofluoromethane  
Concen: 50.077 ug/l  
RT: 1.87 min Scan# 244  
Delta R.T. 0.01 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.4  | 52.1  | 78.1  |

Manual Integrations  
APPROVED

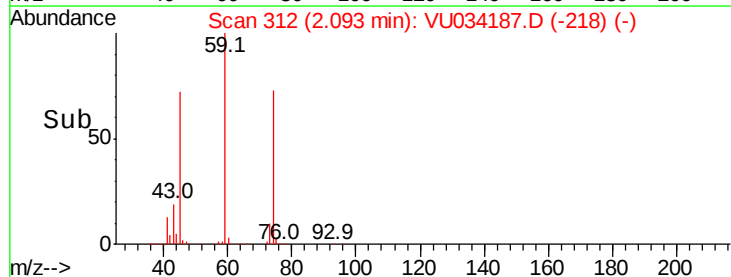
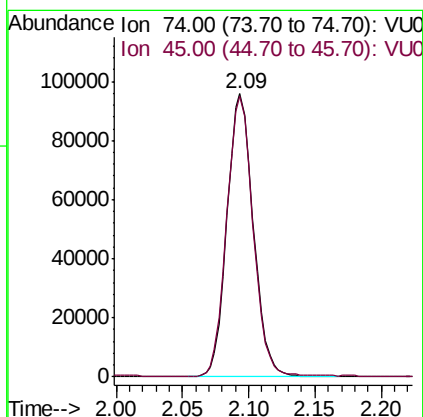
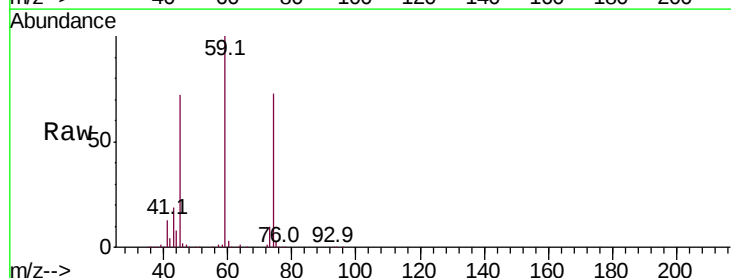
MMDadoda  
9/3/2019 1:09:24 PM

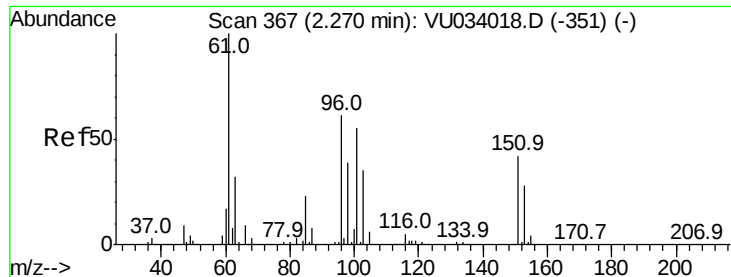


#8

Diethyl Ether  
Concen: 50.921 ug/l  
RT: 2.09 min Scan# 312  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 98.9  | 51.8  | 155.5 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.691 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA\_U

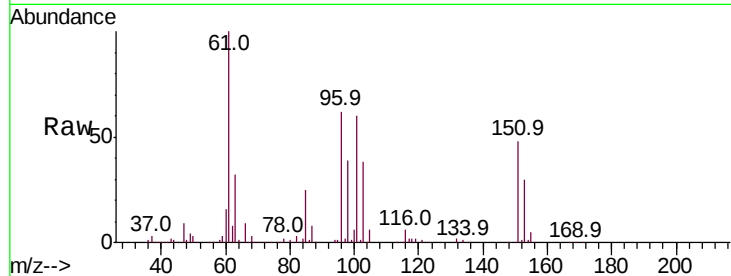
ClientSampleId :

VSTDCCC050

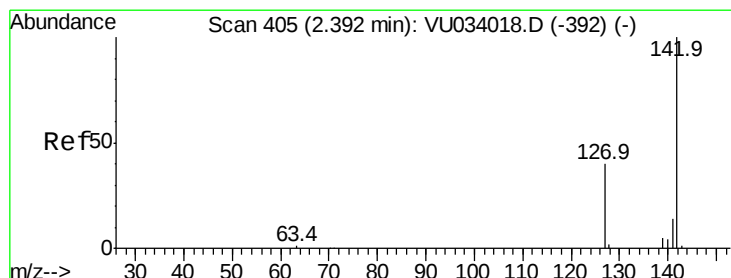
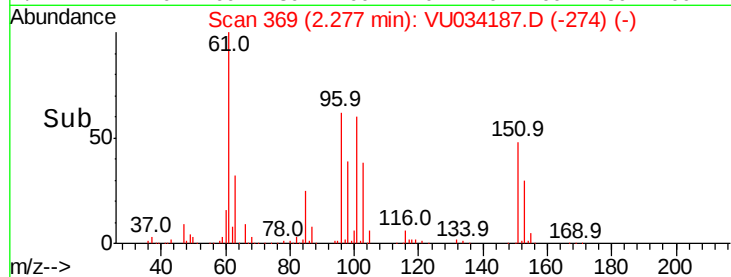
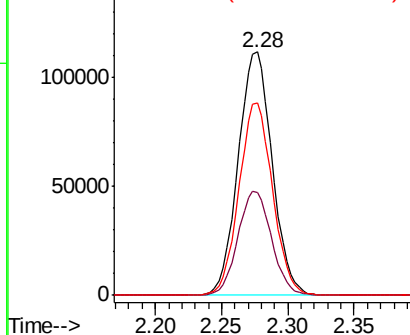
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 198863 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.4  | 34.2  | 51.2   |
| 151       | 78.1  | 61.4  | 92.2   |

Manual Integrations  
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9/3/2019 1:09:24 PM



Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): V  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 30.343 ug/l

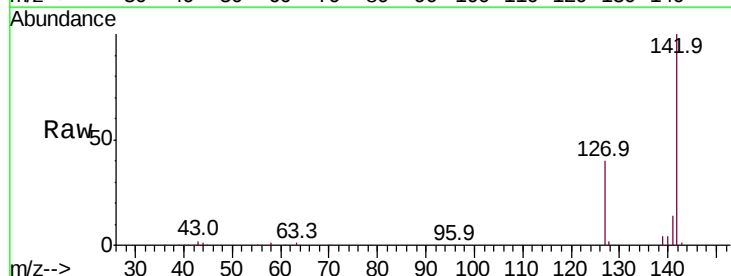
RT: 2.40 min Scan# 407

Delta R.T. 0.01 min

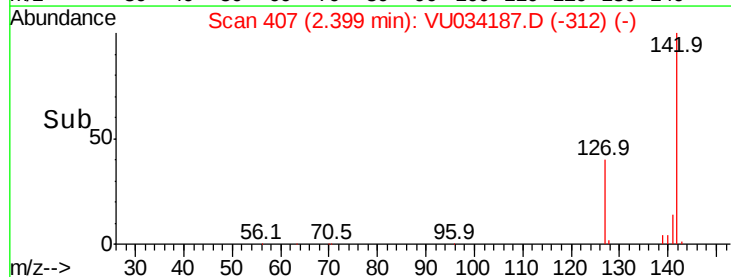
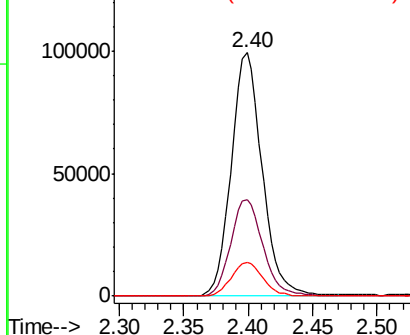
Lab File: VU034187.D

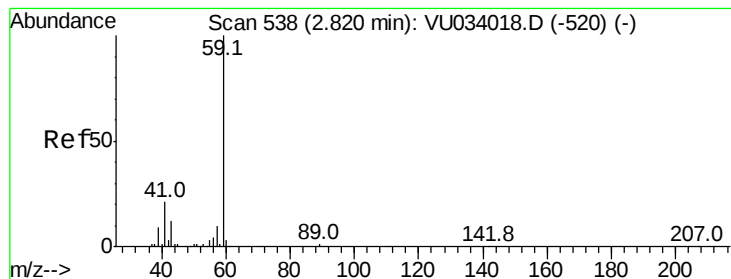
Acq: 02 Sep 2019 09:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 165592 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 41.2  | 32.6  | 48.8   |
| 141       | 14.3  | 11.3  | 16.9   |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





#11

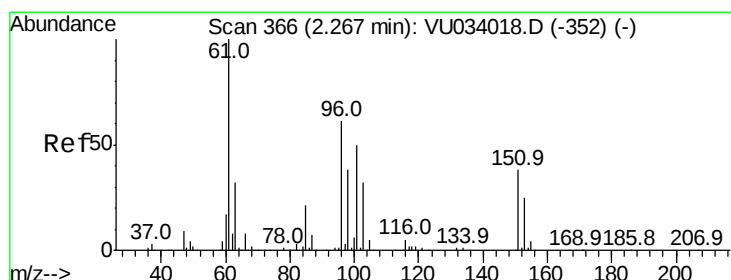
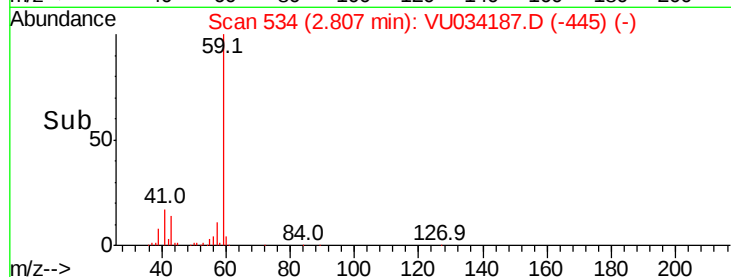
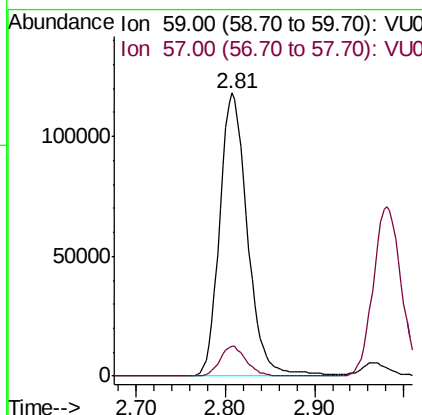
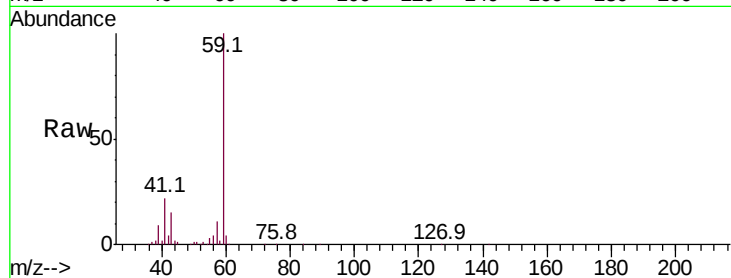
Tert butyl alcohol  
Concen: 220.759 ug/l  
RT: 2.81 min Scan# 534  
Delta R.T. -0.01 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 59      | 100   | 255409 |       |       |
| 57      | 9.9   |        | 8.0   | 12.0  |

Manual Integrations  
APPROVED

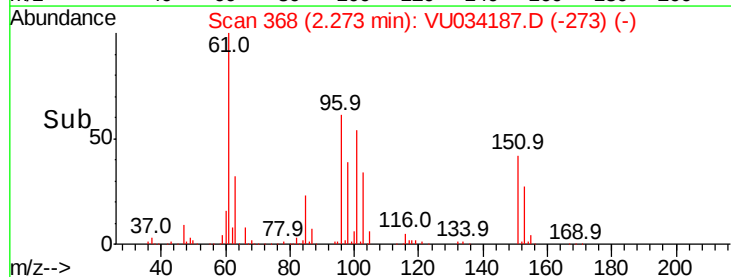
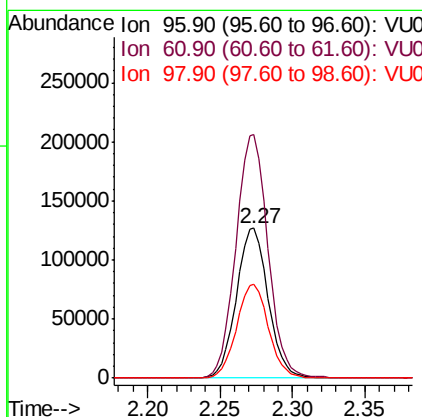
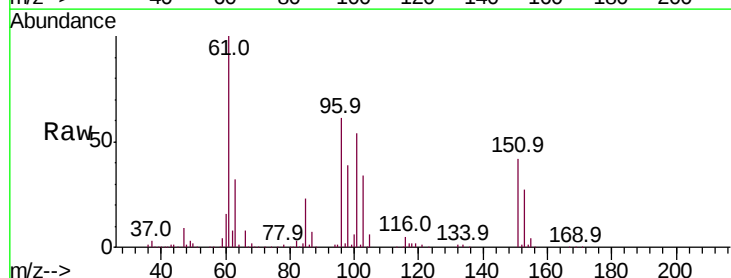
MMDadoda  
9/3/2019 1:09:24 PM

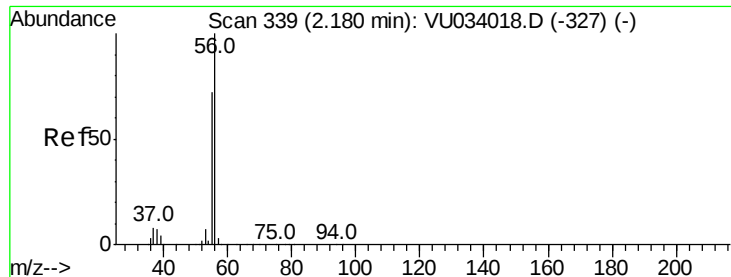


#12

1,1-Dichloroethene  
Concen: 49.249 ug/l  
RT: 2.27 min Scan# 368  
Delta R.T. 0.01 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 193045 |       |       |
| 61      | 162.6 |        | 131.3 | 196.9 |
| 98      | 63.0  |        | 50.3  | 75.5  |





#13

Acrolein

Concen: 154.240 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 75069

Ion Ratio Lower Upper

56 100

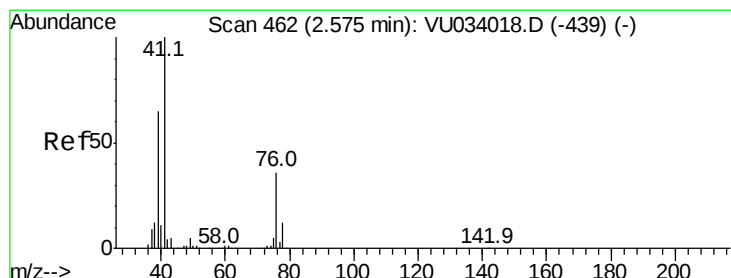
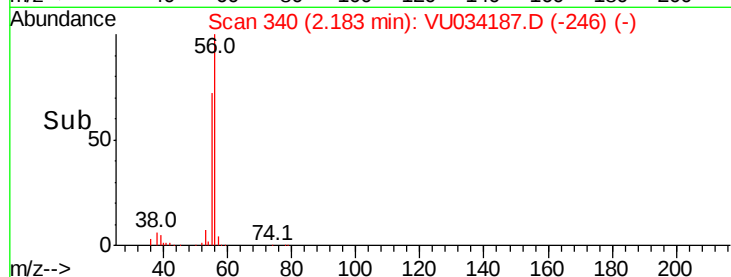
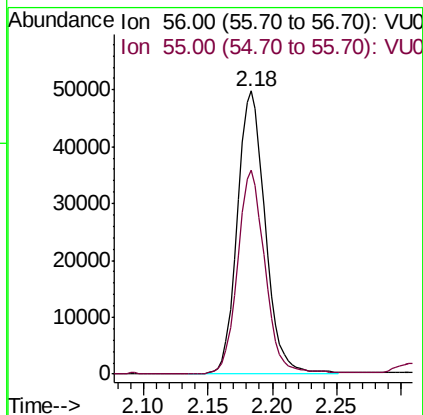
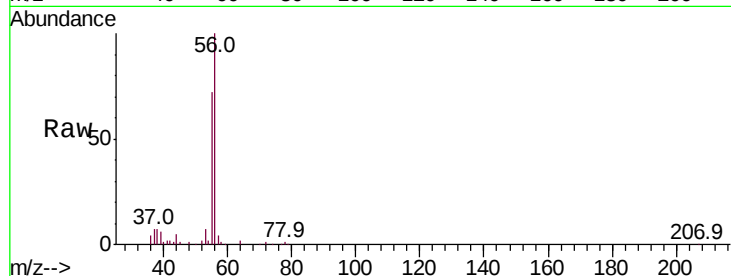
55 70.4 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 48.223 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

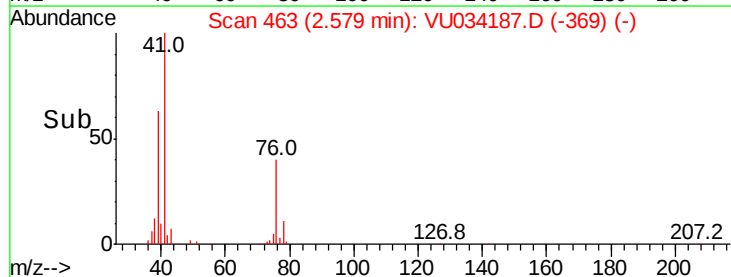
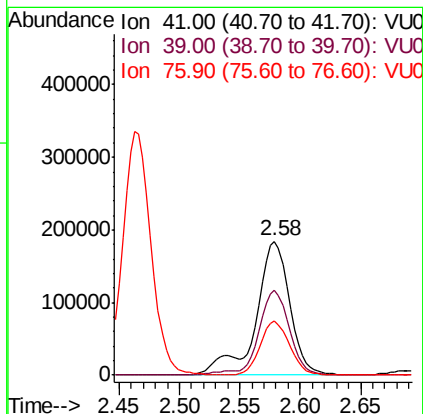
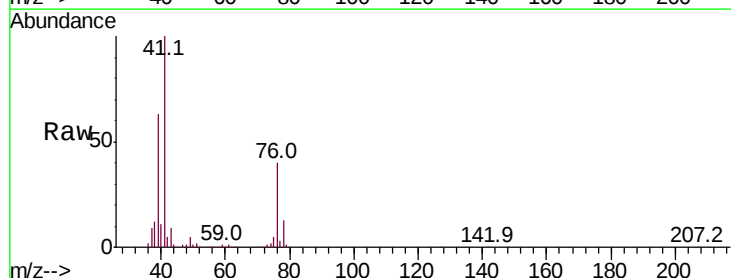
Tgt Ion: 41 Resp: 355395

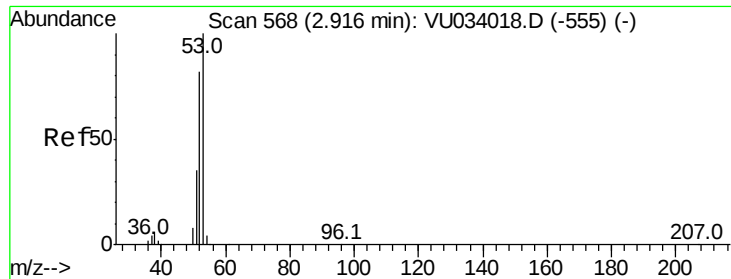
Ion Ratio Lower Upper

41 100

39 57.0 46.8 70.2

76 34.6 26.6 40.0





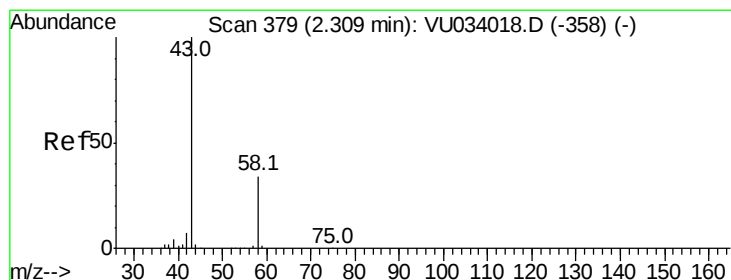
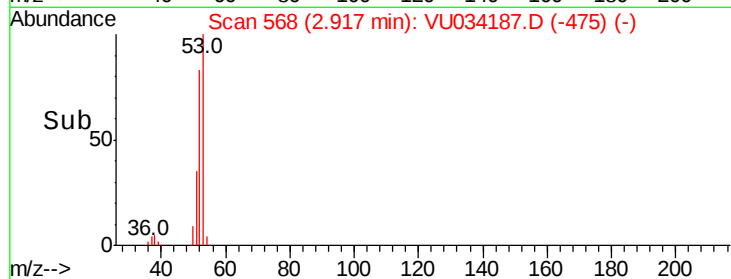
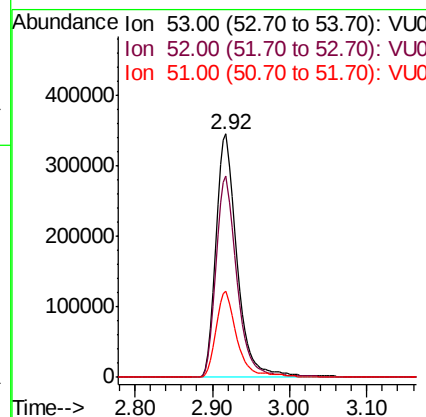
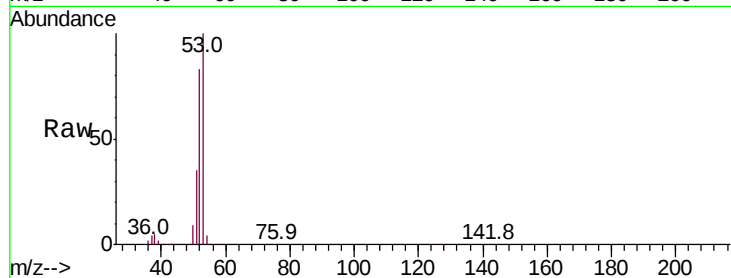
#15  
 Acrylonitrile  
 Concen: 254.120 ug/l  
 RT: 2.92 min Scan# 568  
 Delta R.T. 0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | 53    | Resp  | 674655 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 53      | 100   |       |        |
| 52      | 82.1  | 65.7  | 98.5   |
| 51      | 35.2  | 27.9  | 41.9   |

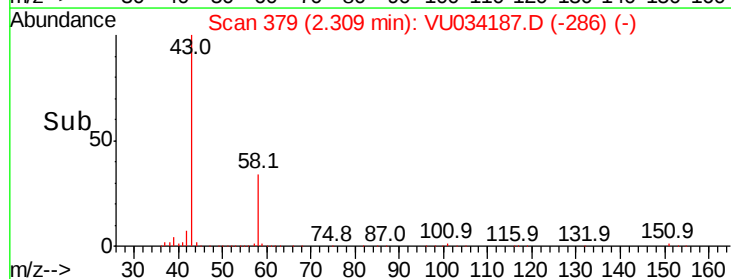
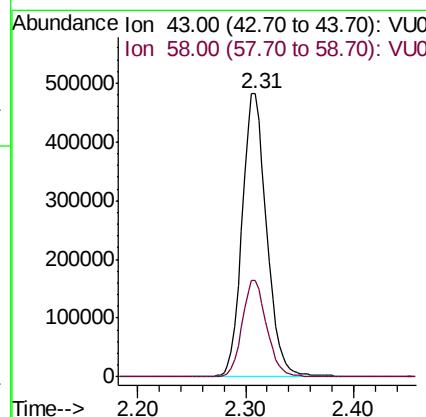
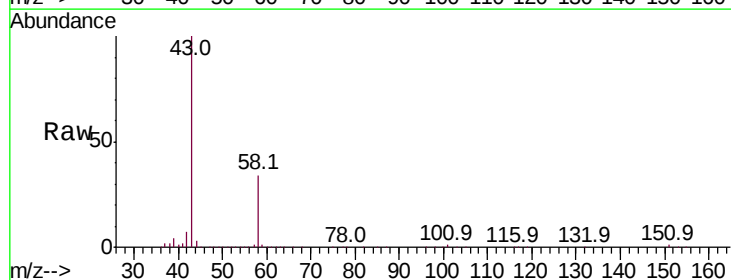
Manual Integrations  
 APPROVED

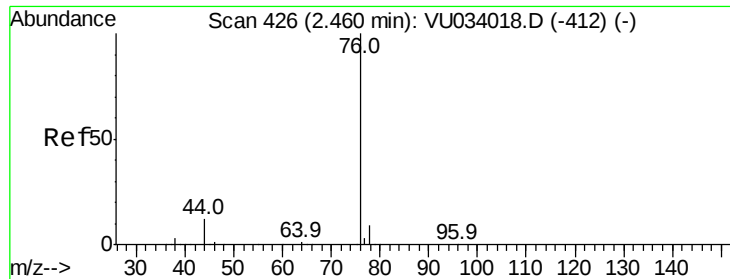
MMDadoda  
 9/3/2019 1:09:24 PM



#16  
 Acetone  
 Concen: 299.606 ug/l  
 RT: 2.31 min Scan# 379  
 Delta R.T. 0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

| Tgt Ion | 43    | Resp  | 766971 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 43      | 100   |       |        |
| 58      | 34.1  | 26.8  | 40.2   |





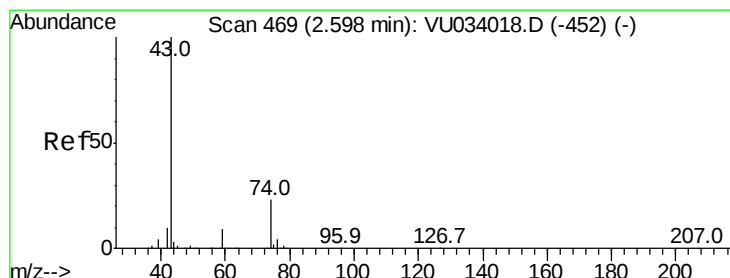
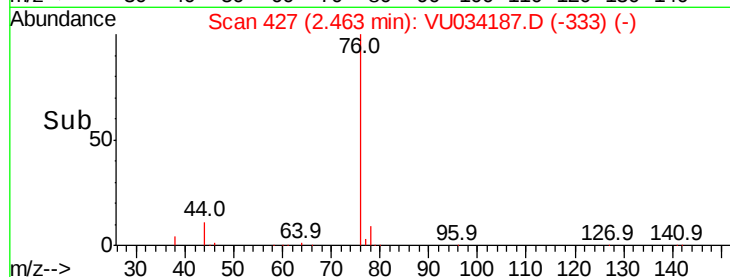
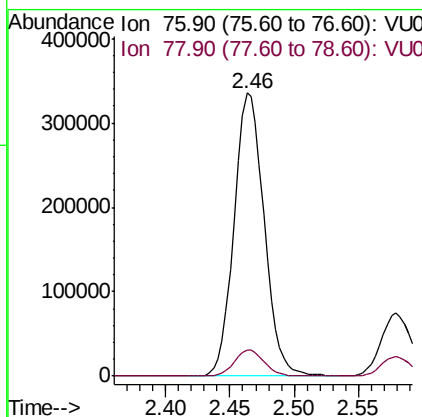
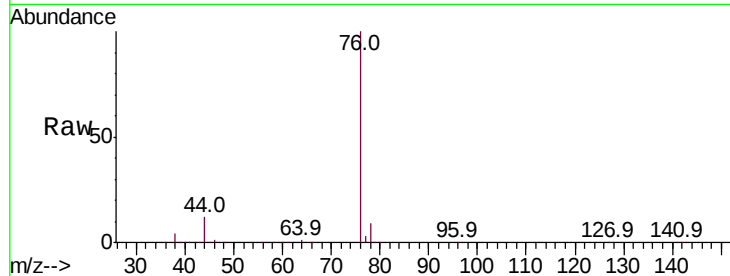
#17  
Carbon Disulfide  
Concen: 43.856 ug/l  
RT: 2.46 min Scan# 427  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.1   | 7.1   | 10.7  |

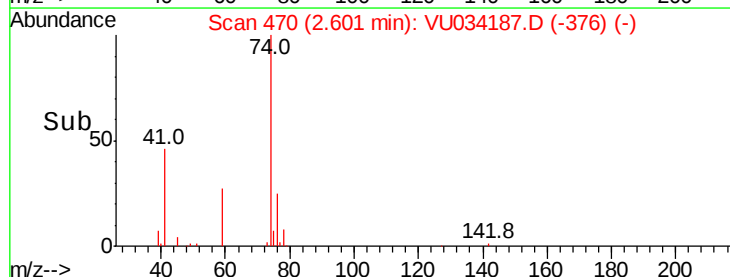
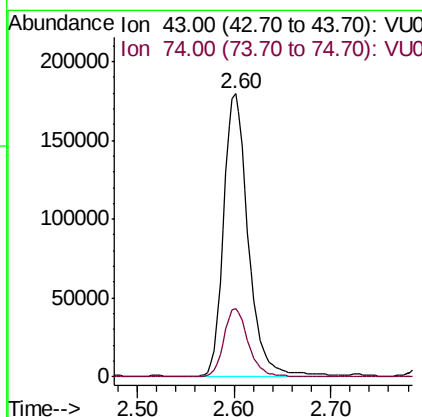
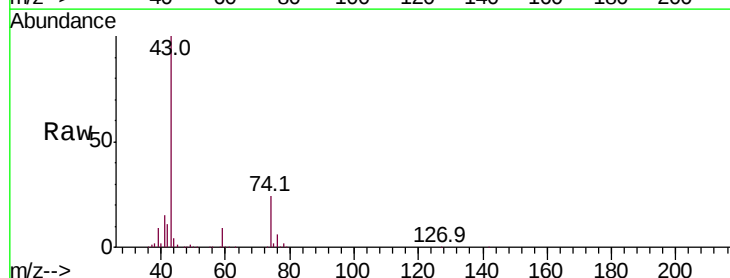
Manual Integrations  
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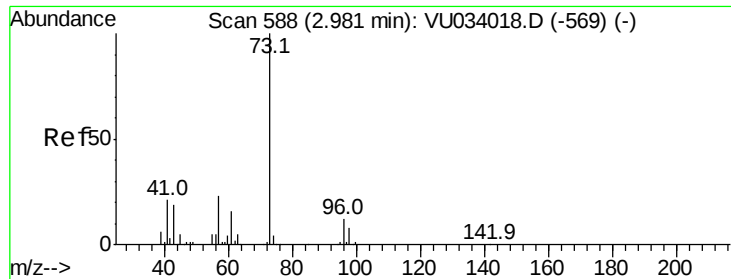
MMDadoda  
9/3/2019 1:09:24 PM



#18  
Methyl Acetate  
Concen: 47.629 ug/l  
RT: 2.60 min Scan# 470  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.1  | 19.2  | 28.8  |





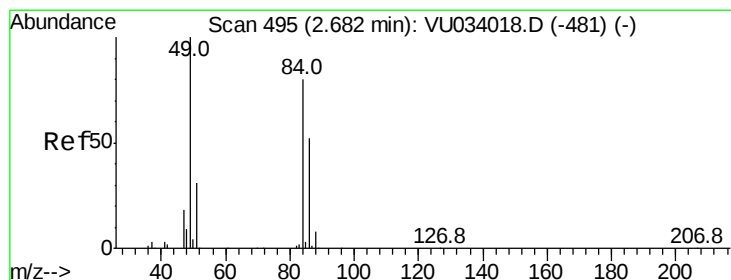
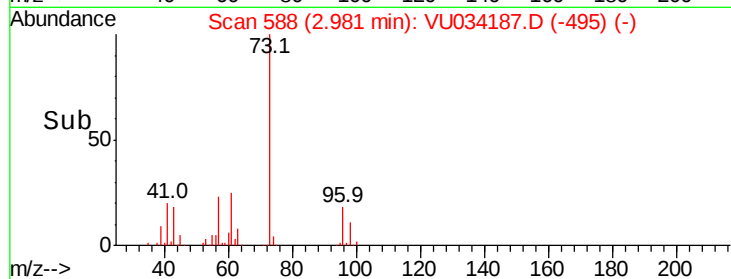
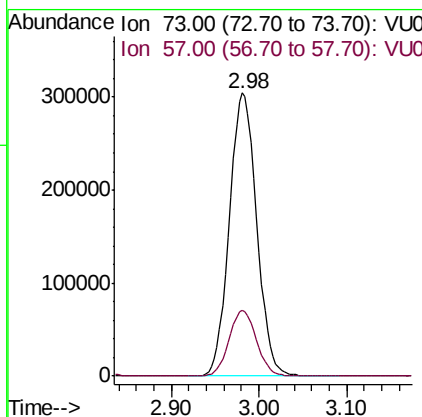
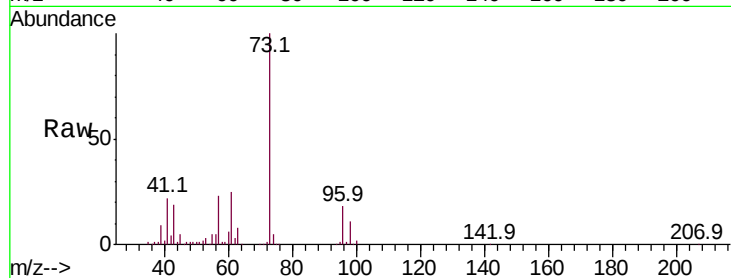
#19  
Methvl tert-butvl Ether  
Concen: 51.356 ug/l  
RT: 2.98 min Scan# 588  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 23.3  | 18.3  | 27.5  |

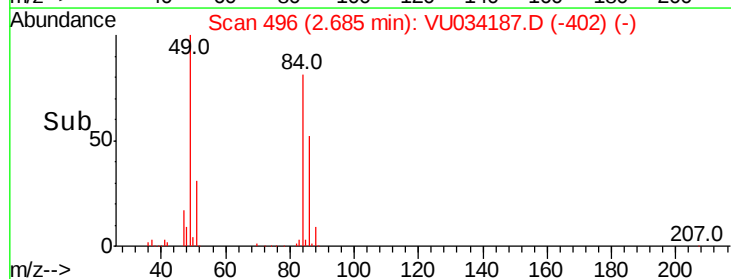
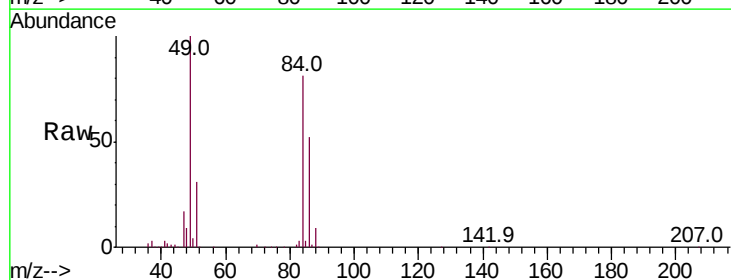
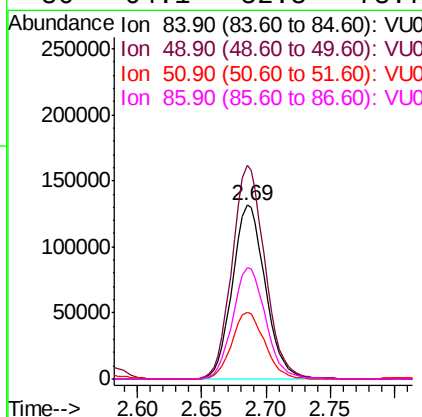
Manual Integrations  
APPROVED

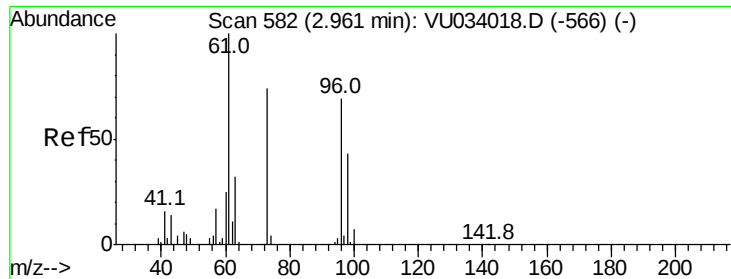
MMDadoda  
9/3/2019 1:09:24 PM



#20  
Methylene Chloride  
Concen: 48.243 ug/l  
RT: 2.69 min Scan# 496  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 122.8 | 100.2 | 150.4 |
| 51      | 38.4  | 30.8  | 46.2  |
| 86      | 64.1  | 52.5  | 78.7  |





#21

trans-1,2-Dichloroethene

Concen: 49.081 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA\_U

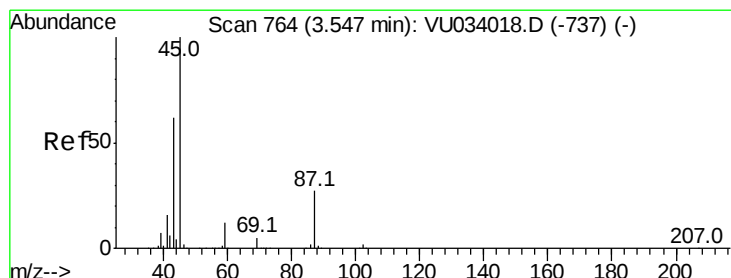
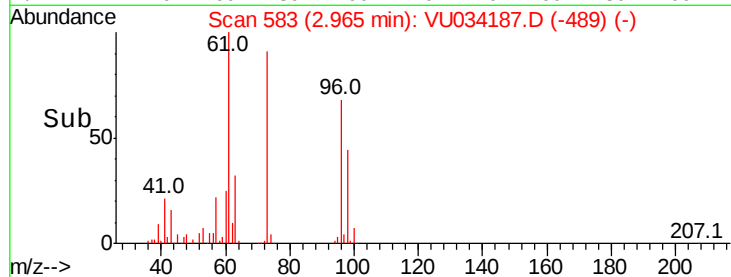
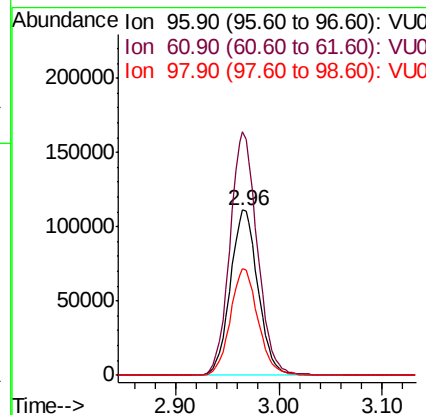
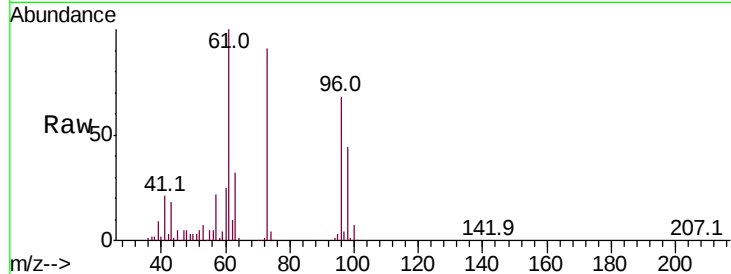
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 208795 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 147.5 | 115.5 | 173.3  |
| 98        | 64.4  | 50.1  | 75.1   |

Manual Integrations  
APPROVED

MMDadoda  
9/3/2019 1:09:24 PM



#22

Diisopropyl ether

Concen: 51.924 ug/l

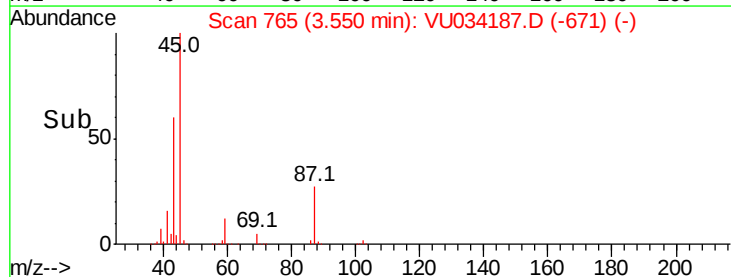
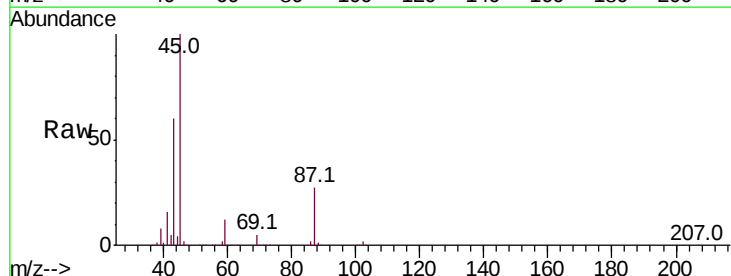
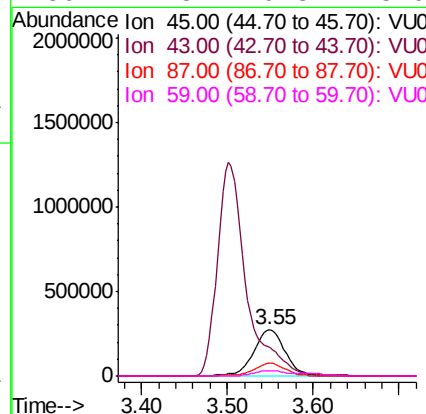
RT: 3.55 min Scan# 765

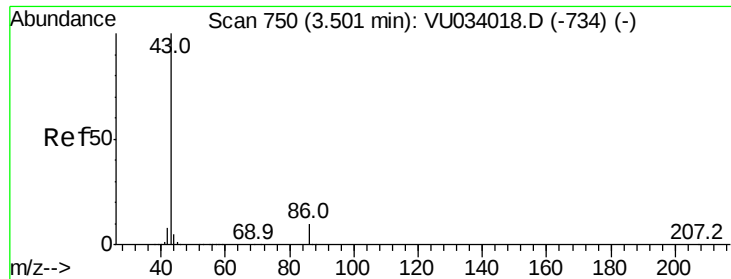
Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 701220 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 43        | 60.0  | 49.7  | 74.5   |
| 87        | 27.1  | 21.8  | 32.8   |
| 59        | 11.8  | 9.3   | 13.9   |





#23

Vinyl Acetate

Concen: 256.541 ug/l

RT: 3.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2976116

Ion Ratio Lower Upper

43 100

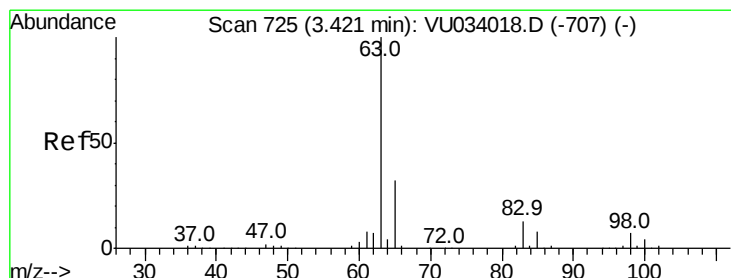
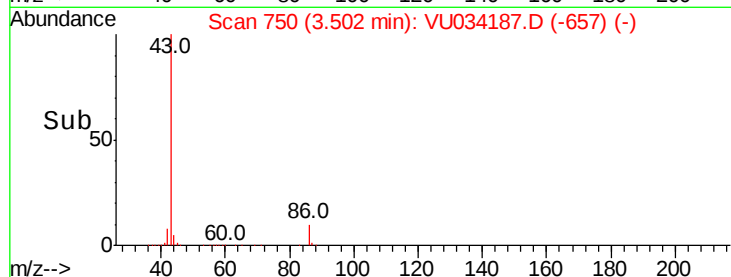
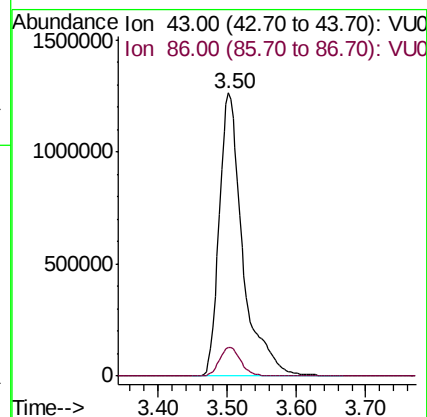
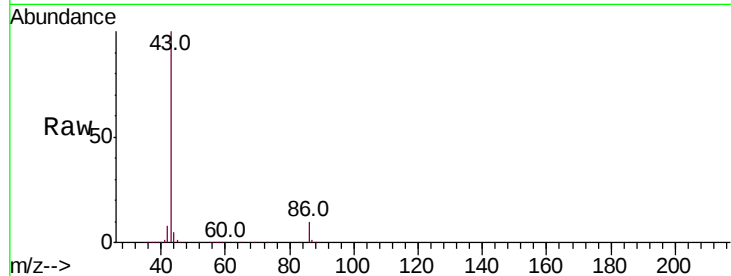
86 10.2 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.604 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

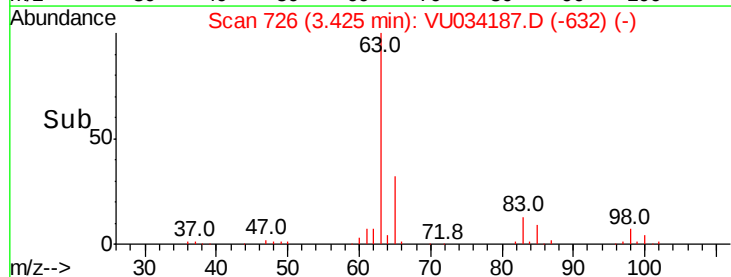
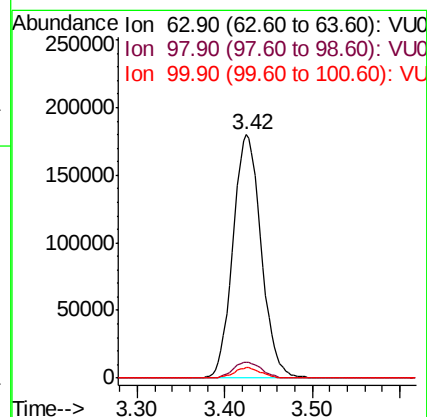
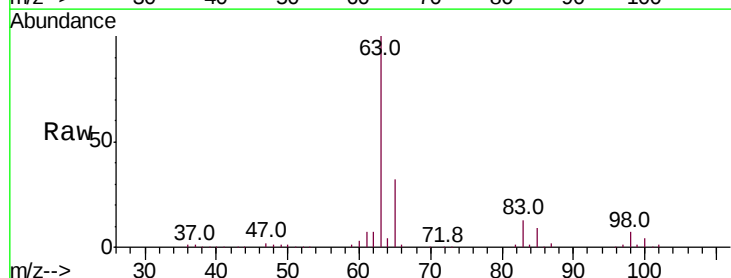
Tgt Ion: 63 Resp: 403469

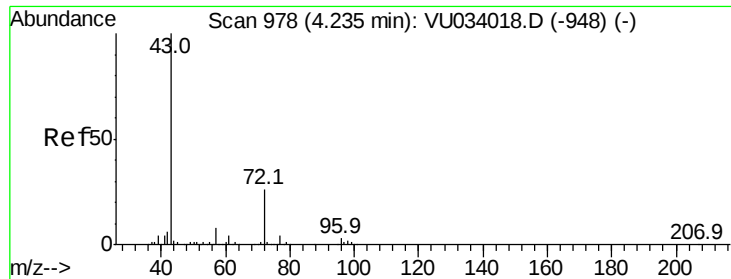
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 272.220 ug/l

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 969522

Ion Ratio Lower Upper

43 100

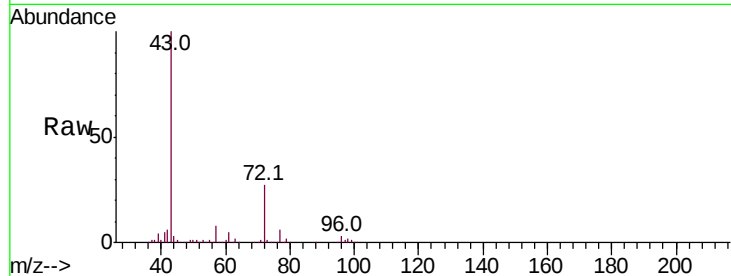
72 27.2 21.2 31.8

Manual Integrations

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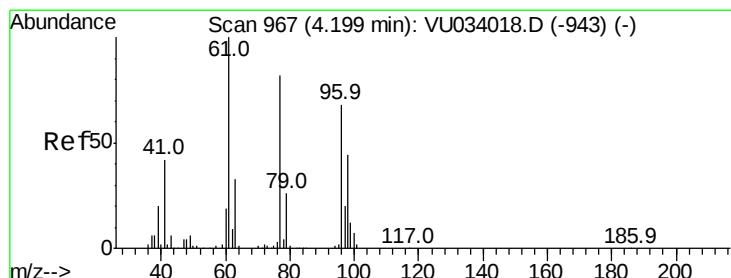
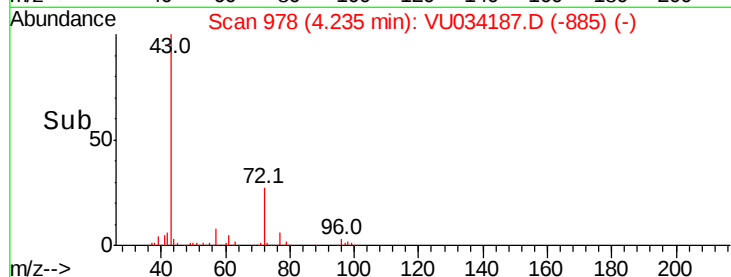
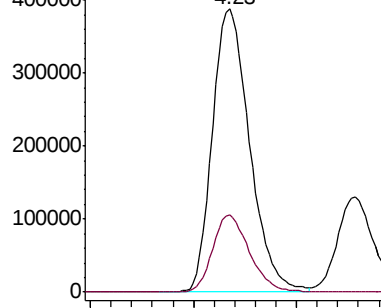
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 50.267 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034187.D

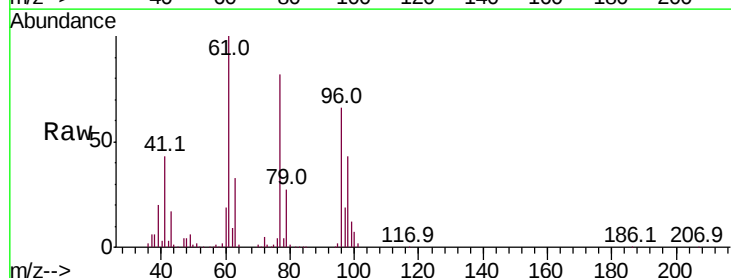
Acq: 02 Sep 2019 09:13

Tgt Ion: 77 Resp: 326114

Ion Ratio Lower Upper

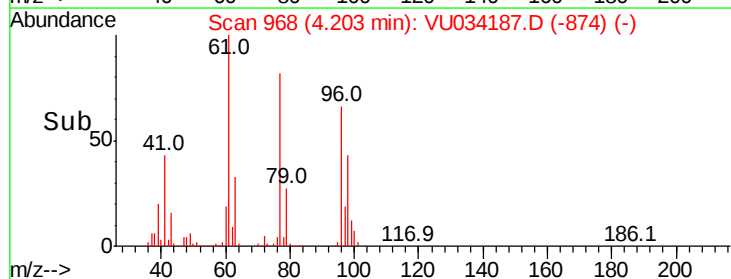
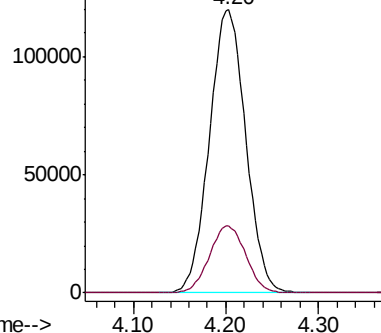
77 100

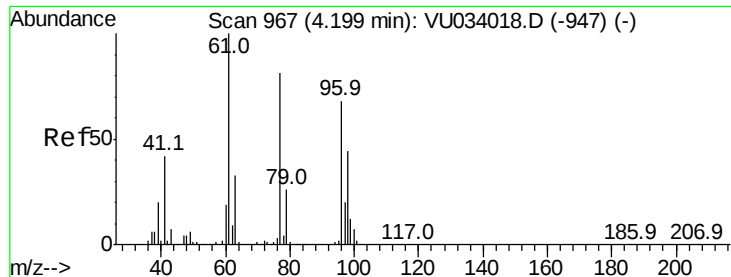
97 23.7 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

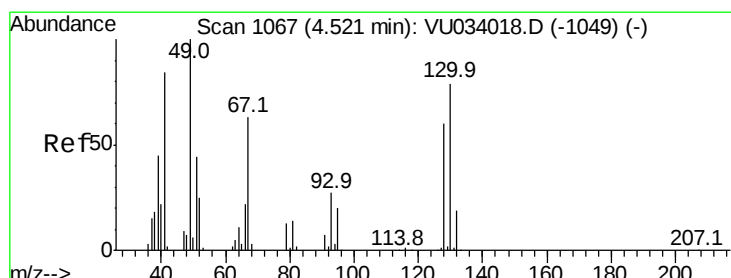
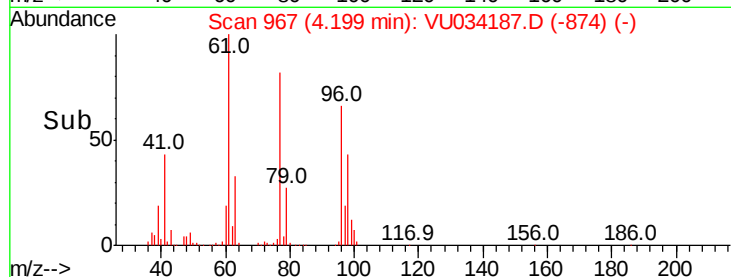
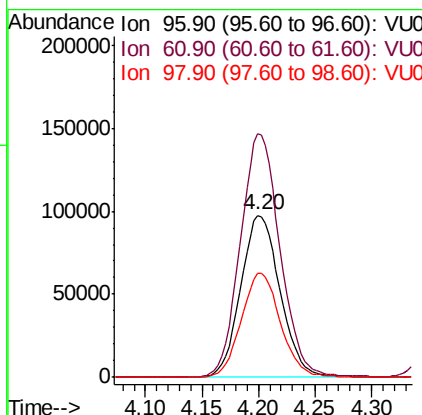
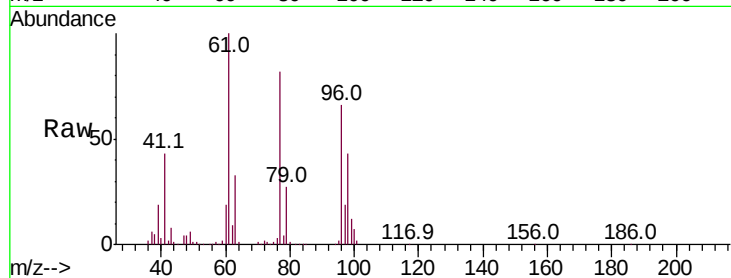
cis-1,2-Dichloroethene  
Concen: 49.370 ug/l  
RT: 4.20 min Scan# 967  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 235737 |       |       |
| 61      | 151.8 | 0.0    | 303.0 |       |
| 98      | 64.2  | 0.0    | 129.2 |       |

Manual Integrations  
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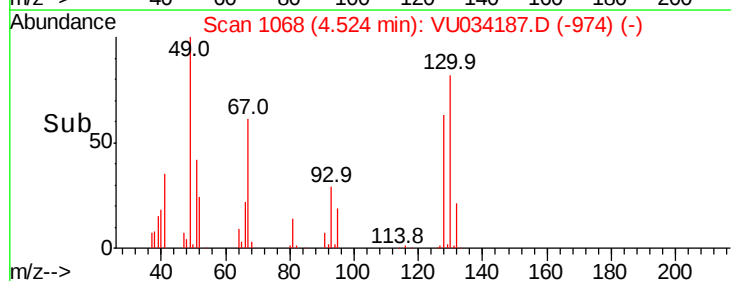
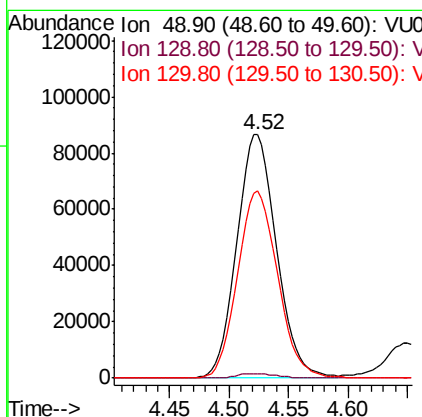
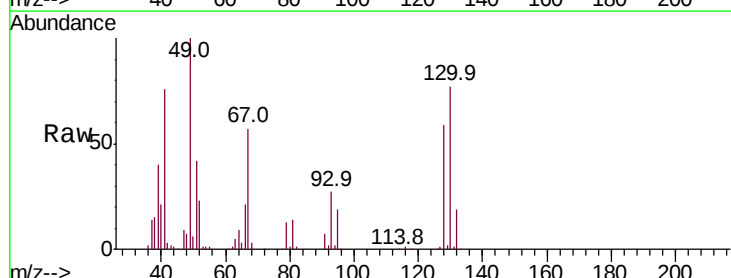
MMDadoda  
9/3/2019 1:09:24 PM

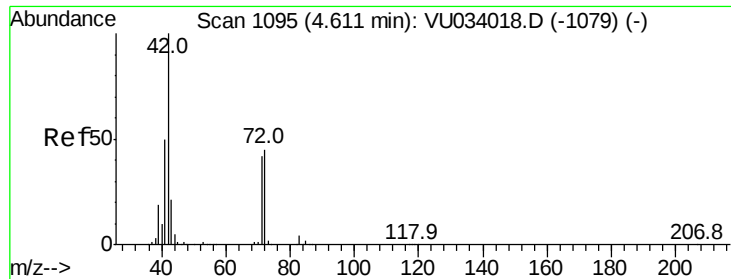


#28

Bromochloromethane  
Concen: 51.050 ug/l  
RT: 4.52 min Scan# 1068  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 200533 |       |       |
| 129     | 0.9   | 0.0    | 3.6   |       |
| 130     | 77.6  | 62.8   | 94.2  |       |





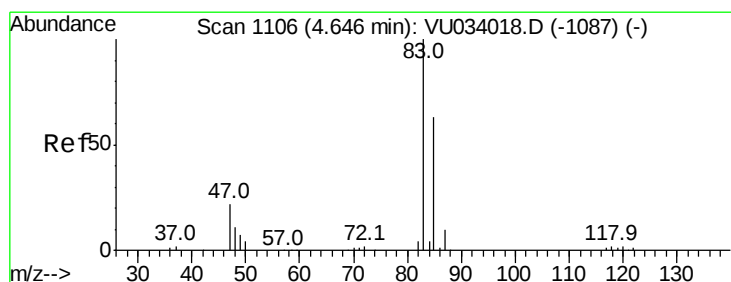
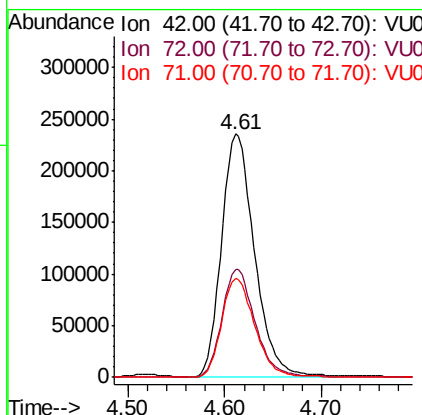
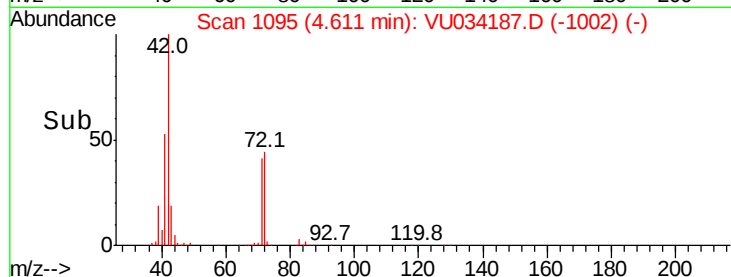
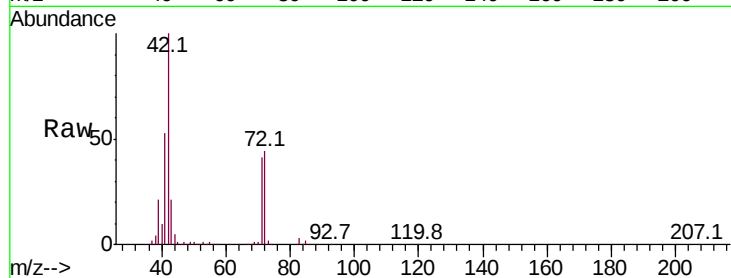
#29  
Tetrahydrofuran  
Concen: 253.726 ug/l  
RT: 4.61 min Scan# 1095  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.4  | 35.8  | 53.6  |
| 71      | 40.7  | 34.0  | 51.0  |

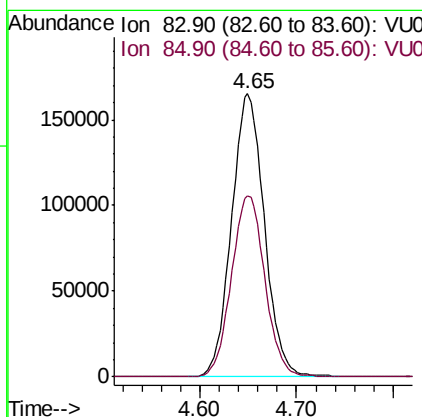
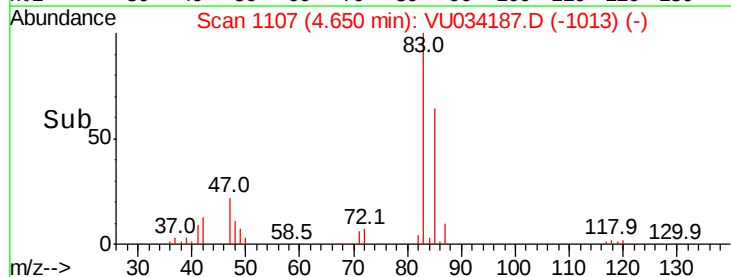
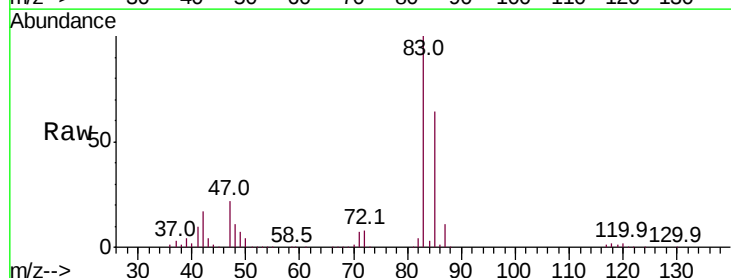
Manual Integrations  
APPROVED

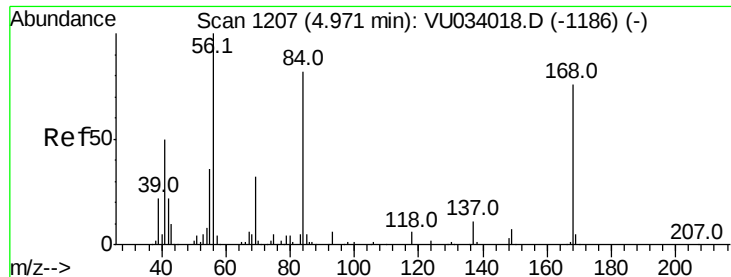
MMDadoda  
9/3/2019 1:09:24 PM



#30  
Chloroform  
Concen: 48.974 ug/l  
RT: 4.65 min Scan# 1107  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.9  | 50.7  | 76.1  |





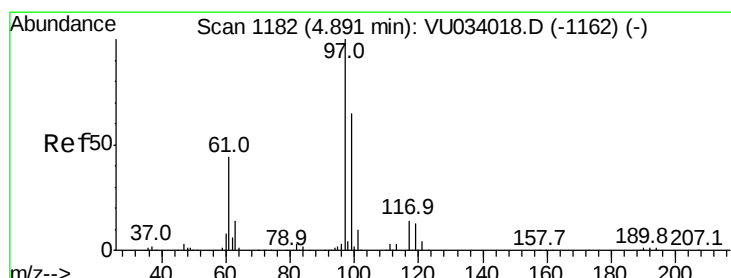
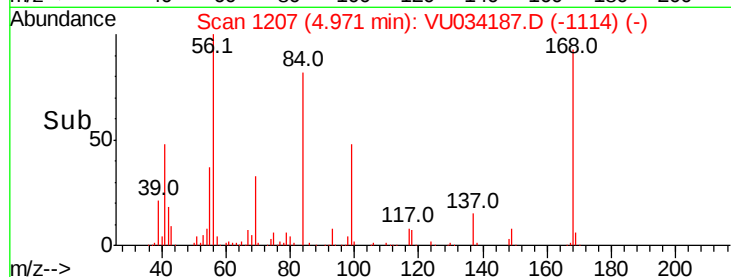
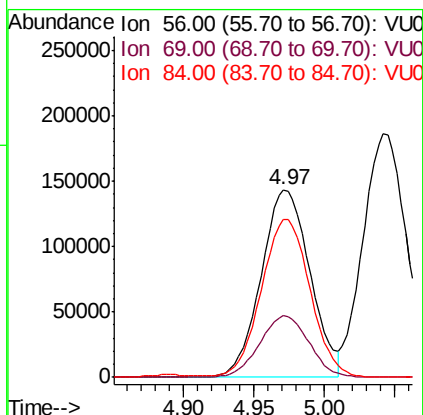
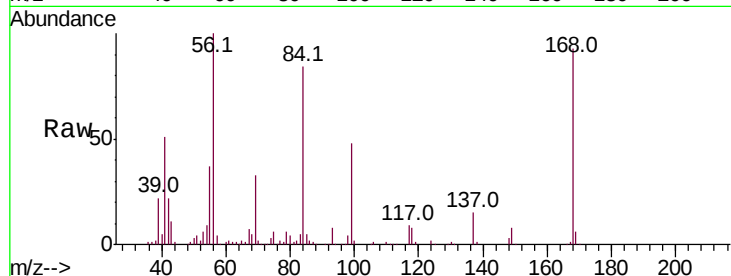
#31  
Cyclohexane  
Concen: 46.254 ug/l  
RT: 4.97 min Scan# 1207  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 32.7  | 25.4  | 38.0  |
| 84      | 82.9  | 65.8  | 98.8  |

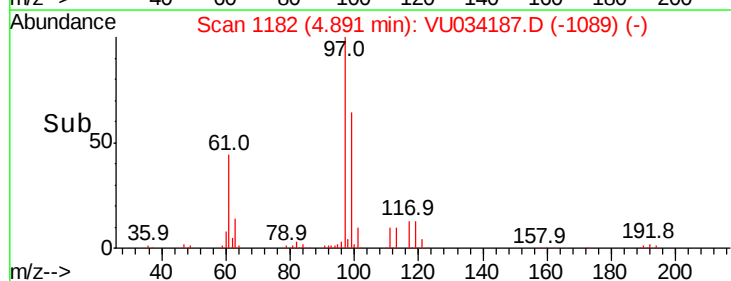
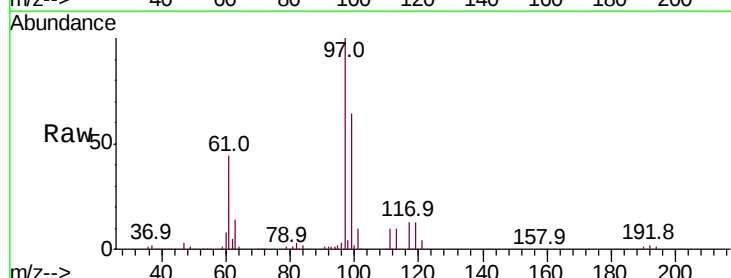
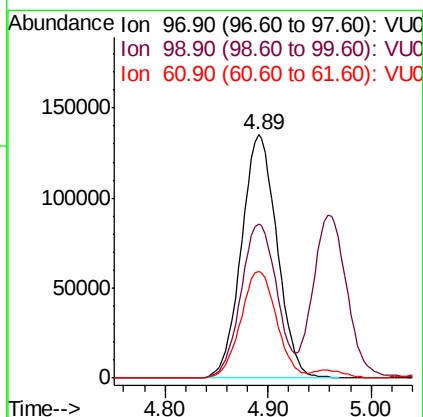
Manual Integrations  
APPROVED

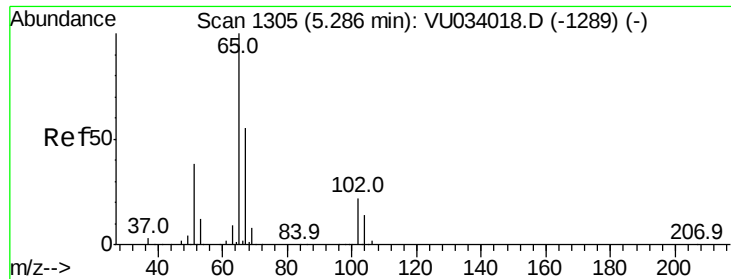
MMDadoda  
9/3/2019 1:09:24 PM



#32  
1,1,1-Trichloroethane  
Concen: 49.716 ug/l  
RT: 4.89 min Scan# 1182  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.0  | 51.8  | 77.6  |
| 61      | 44.5  | 35.3  | 52.9  |





#33

1,2-Dichloroethane-d4

Concen: 48.749 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 244576

Ion Ratio Lower Upper

65 100

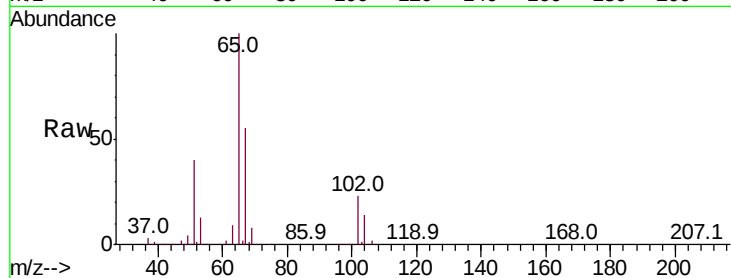
67 54.7 0.0 110.6

Manual Integrations

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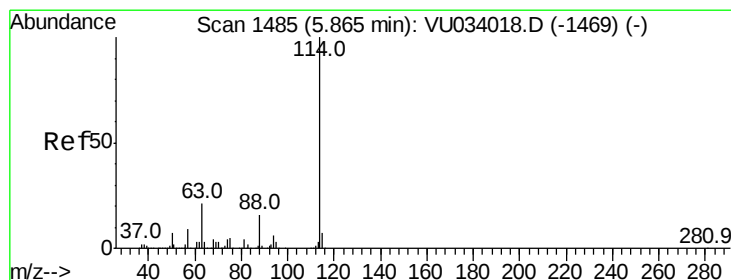
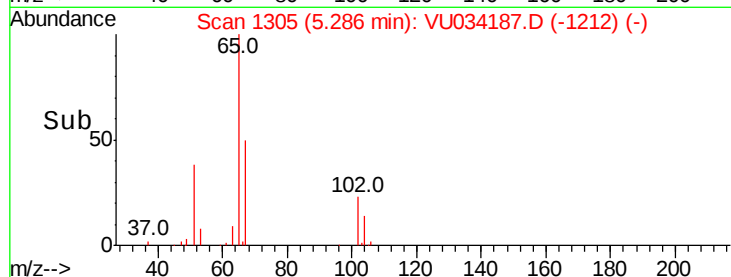
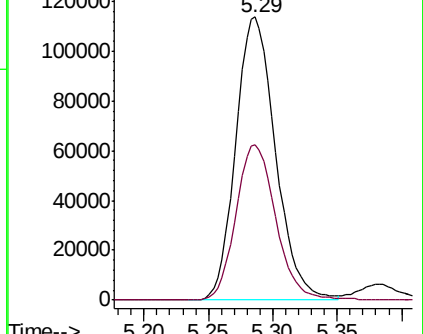
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VU034187.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034187.D (-1289) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

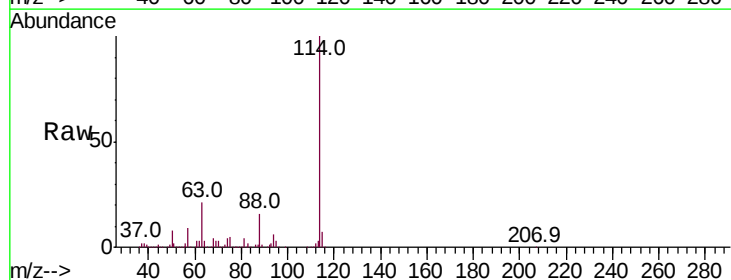
Tgt Ion: 114 Resp: 587624

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.0

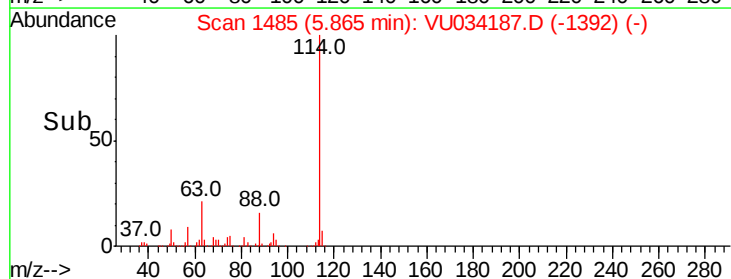
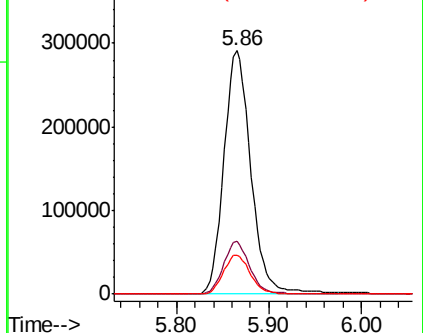
88 16.0 0.0 32.0

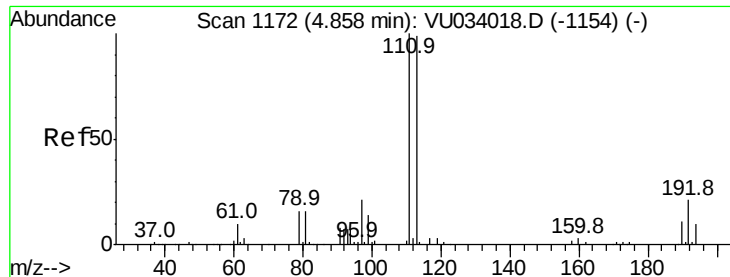


Abundance Ion 113.90 (113.60 to 114.60): VU034187.D (-1469) (-)

Ion 63.00 (62.70 to 63.70): VU034187.D (-1469) (-)

Ion 87.90 (87.60 to 88.60): VU034187.D (-1469) (-)





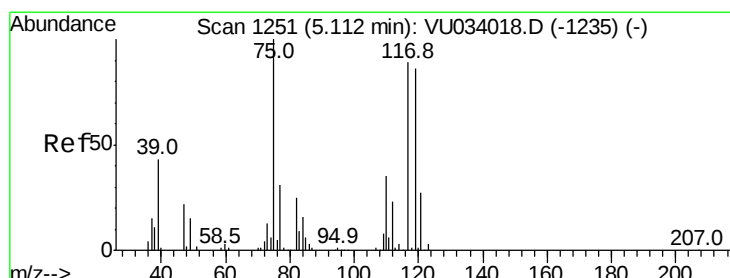
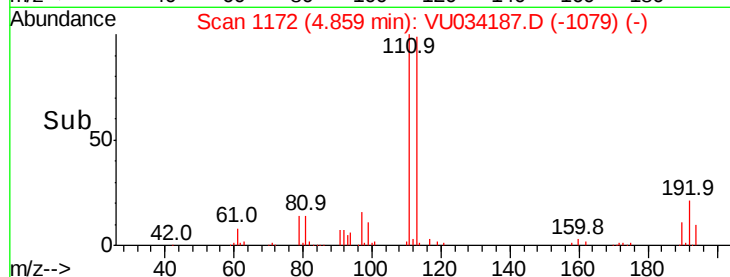
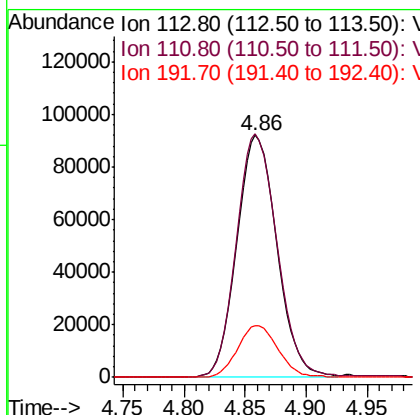
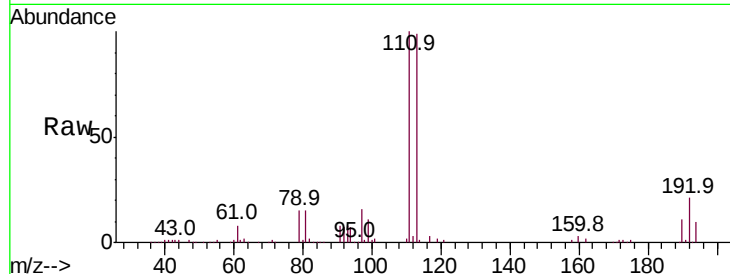
#35  
 Dibromofluoromethane  
 Concen: 51.374 ug/l  
 RT: 4.86 min Scan# 1172  
 Delta R.T. 0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 209385 |       |       |
| 111     | 101.8 | 81.7   | 122.5 |       |
| 192     | 21.6  | 17.1   | 25.7  |       |

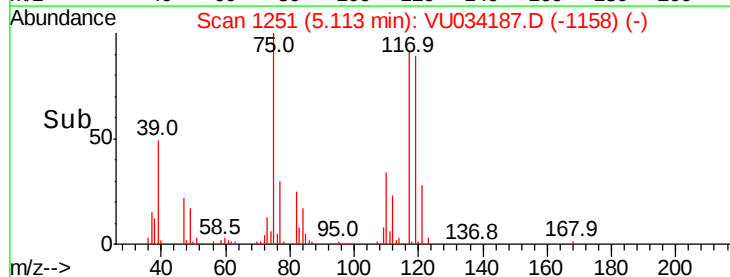
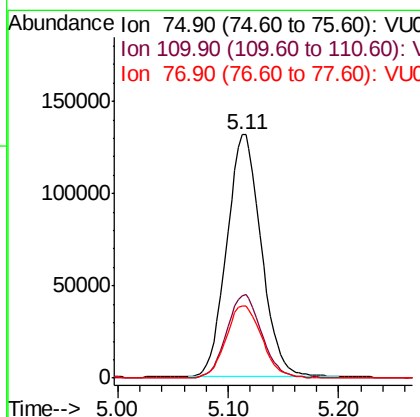
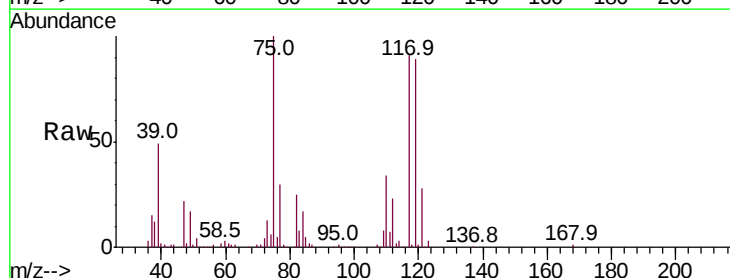
Manual Integrations  
 APPROVED

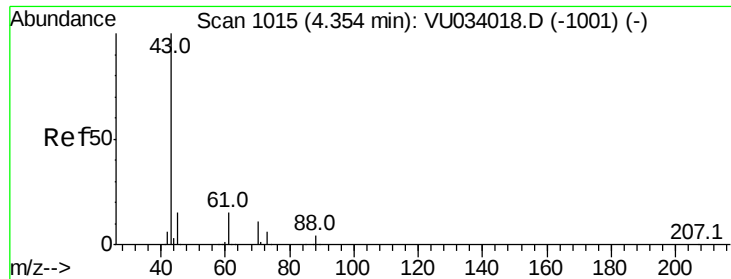
MMDadoda  
 9/3/2019 1:09:24 PM



#36  
 1,1-Dichloropropene  
 Concen: 51.176 ug/l  
 RT: 5.11 min Scan# 1251  
 Delta R.T. 0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 284448 |       |       |
| 110     | 35.1  | 17.8   | 53.5  |       |
| 77      | 30.5  | 25.0   | 37.4  |       |





#37

Ethyl Acetate

Concen: 51.481 ug/l

RT: 4.36 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VU034187.D

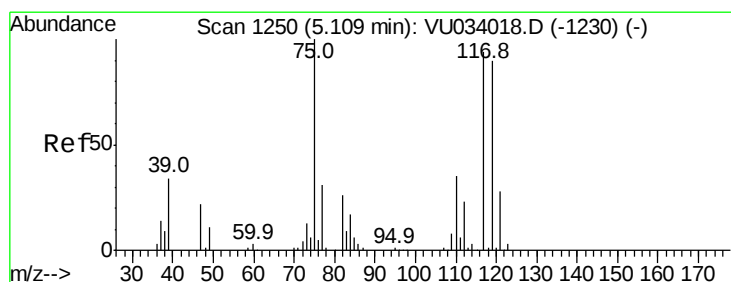
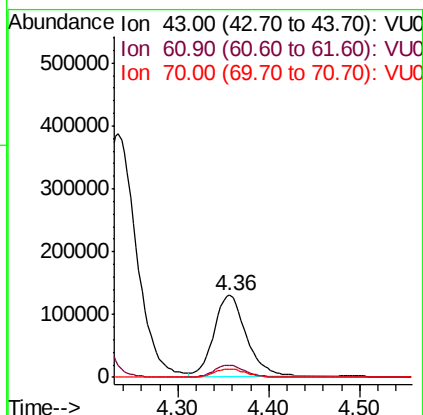
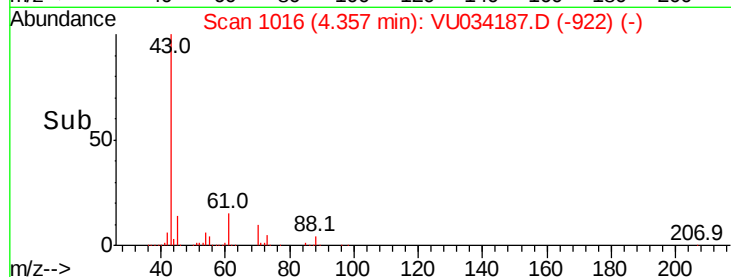
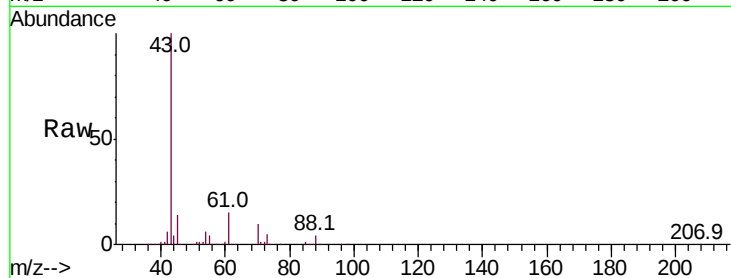
Acq: 02 Sep 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.3  | 11.5  | 17.3  |
| 70      | 10.7  | 8.6   | 12.8  |

Manual Integrations  
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9/3/2019 1:09:24 PM



#38

Carbon Tetrachloride

Concen: 51.853 ug/l

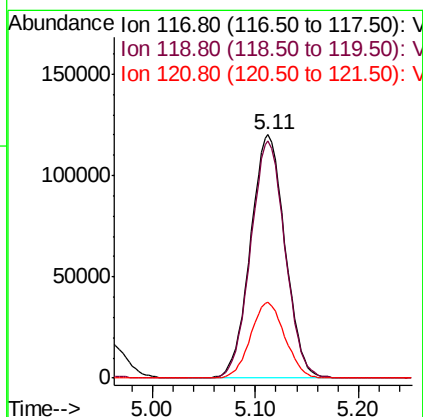
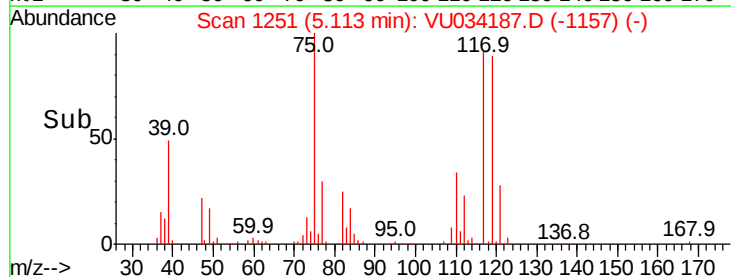
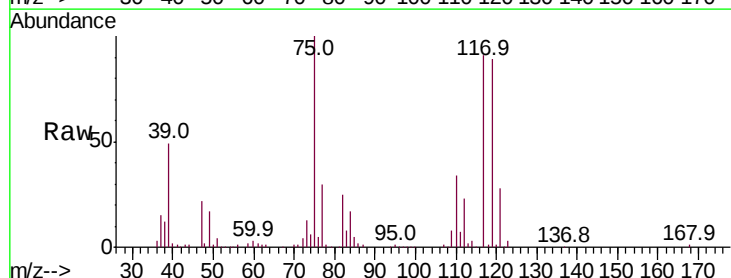
RT: 5.11 min Scan# 1251

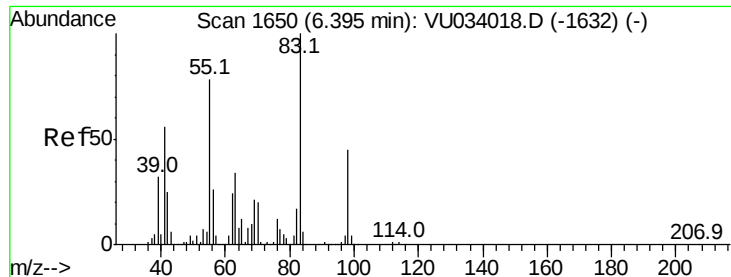
Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.5  | 77.0  | 115.4 |
| 121     | 31.1  | 23.9  | 35.9  |





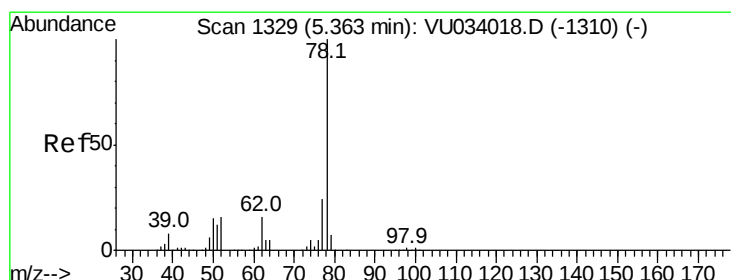
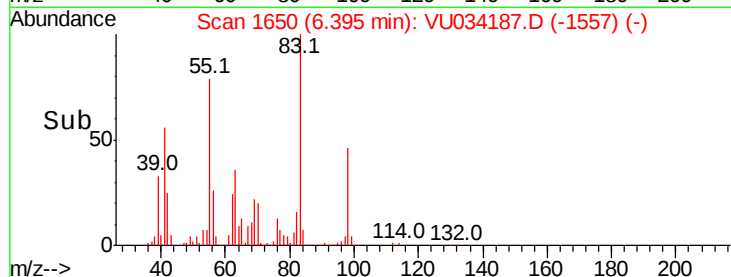
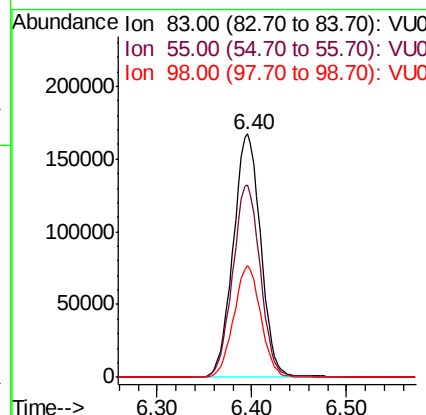
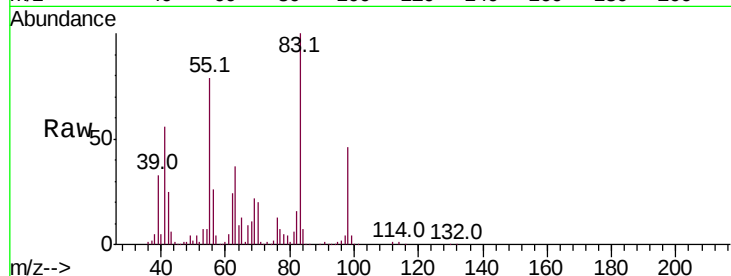
#39  
Methvlcvclohexane  
Concen: 51.780 ug/l  
RT: 6.40 min Scan# 1650  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 78.9  | 62.3  | 93.5  |
| 98      | 45.8  | 36.2  | 54.2  |

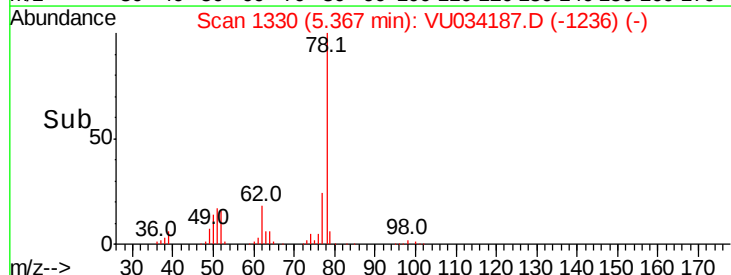
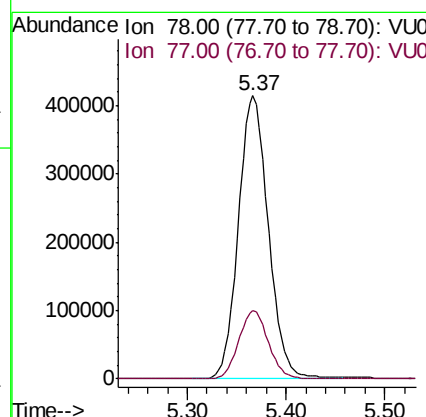
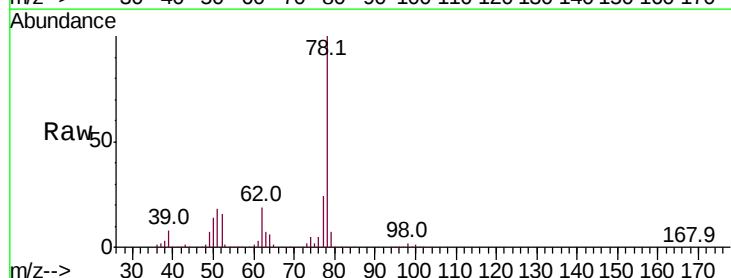
Manual Integrations  
APPROVED

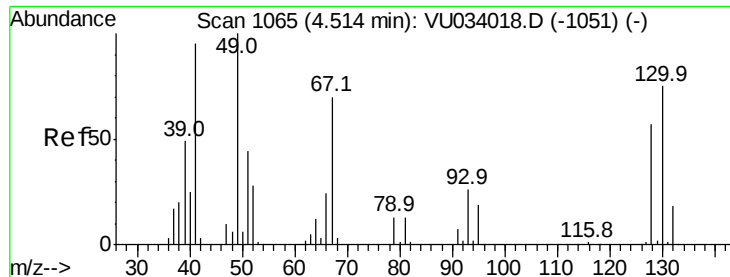
MMDadoda  
9/3/2019 1:09:24 PM



#40  
Benzene  
Concen: 52.095 ug/l  
RT: 5.37 min Scan# 1330  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 19.0  | 28.6  |





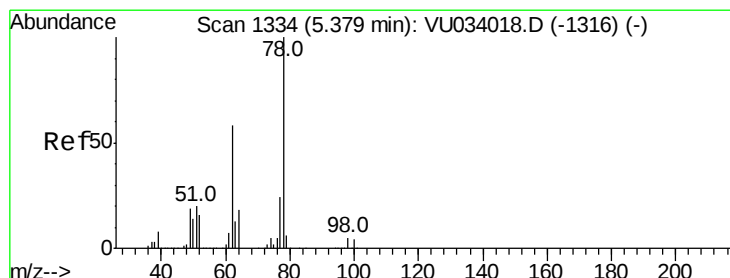
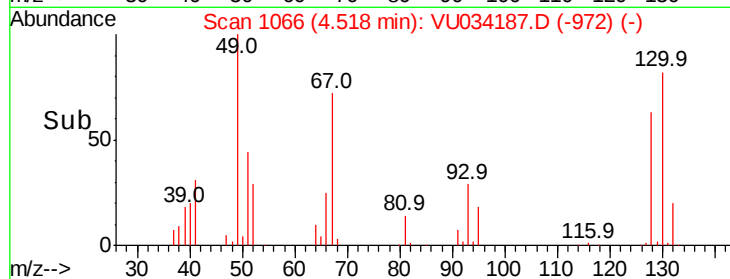
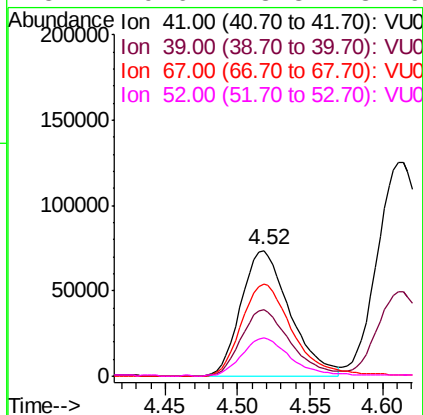
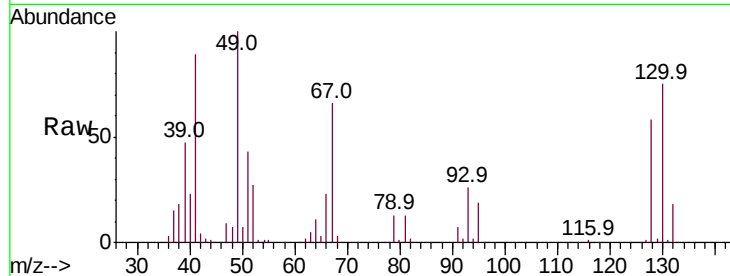
#41  
Methacrylonitrile  
Concen: 53.915 ug/l  
RT: 4.52 min Scan# 1066  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 53.3  | 42.1  | 63.1  |
| 67      | 78.0  | 61.0  | 91.4  |
| 52      | 29.6  | 23.3  | 34.9  |

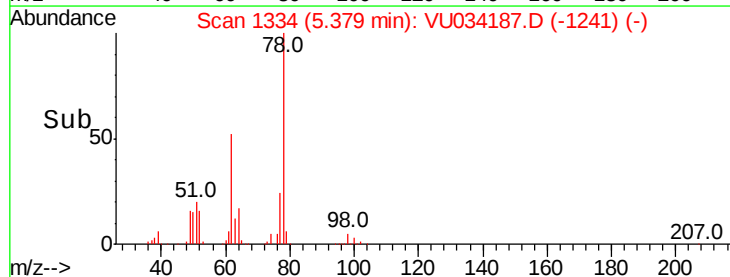
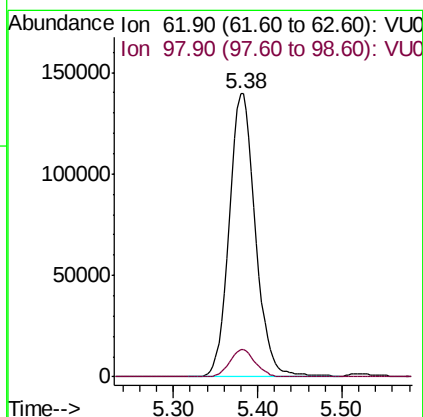
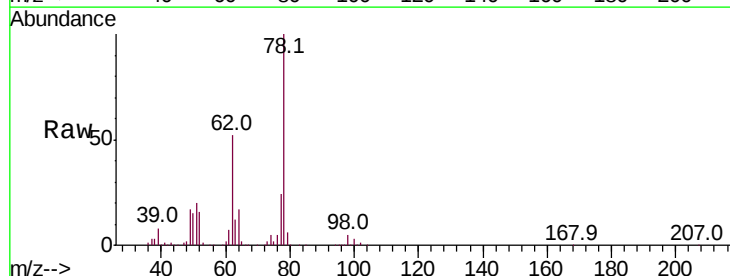
Manual Integrations  
APPROVED

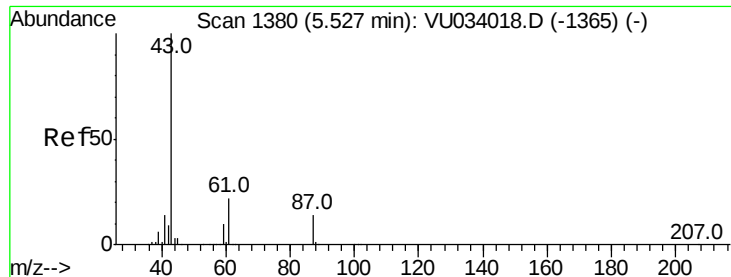
MMDadoda  
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#42  
1,2-Dichloroethane  
Concen: 52.001 ug/l  
RT: 5.38 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.5   | 0.0   | 18.2  |





#43

Isopropyl Acetate

Concen: 51.498 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA\_U

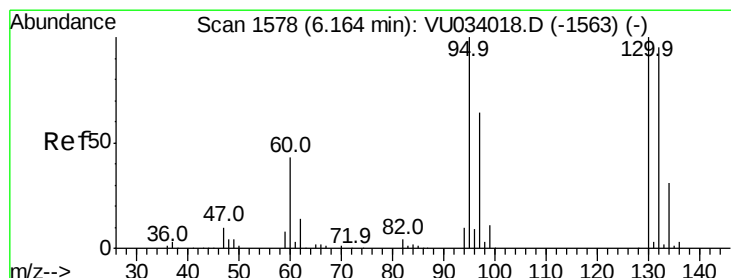
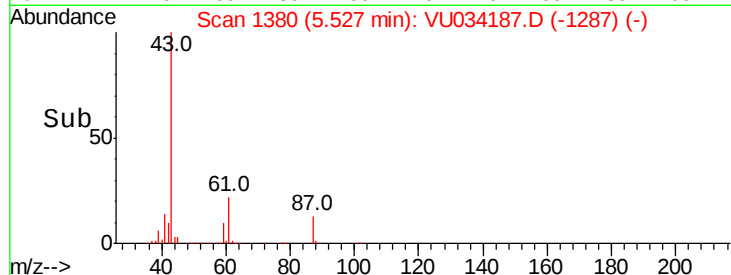
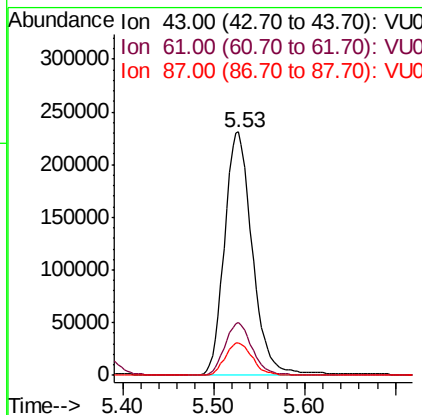
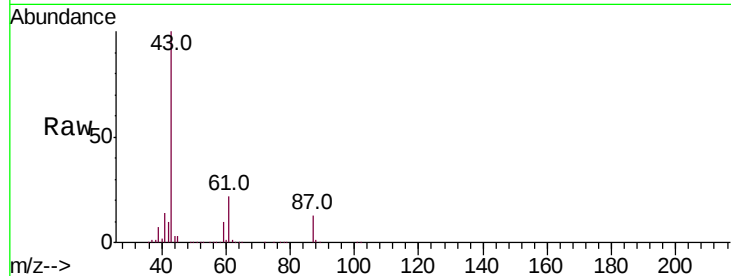
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 487639 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 21.2  | 17.2  | 25.8   |
| 87       | 13.3  | 10.8  | 16.2   |

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#44

Trichloroethene

Concen: 52.750 ug/l

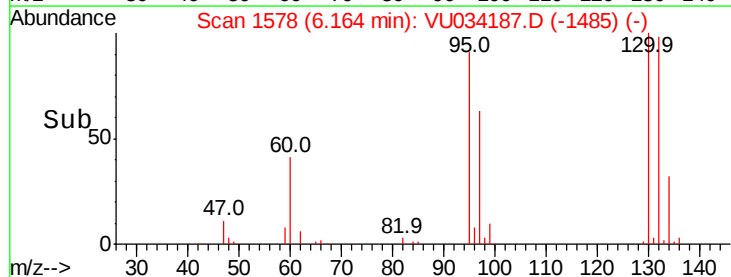
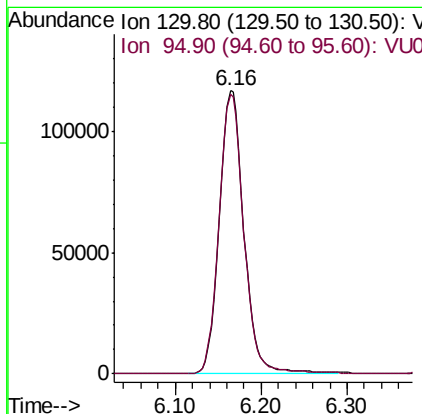
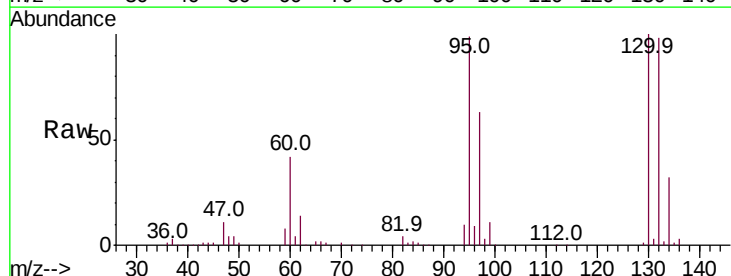
RT: 6.16 min Scan# 1578

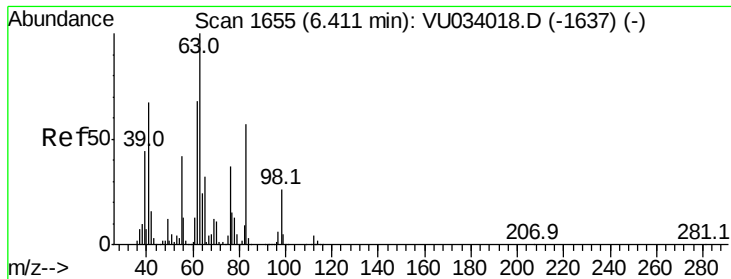
Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 232946 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 98.8  | 0.0   | 199.6  |





#45

1,2-Dichloropropane

Concen: 53.263 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 246565

Ion Ratio Lower Upper

63 100

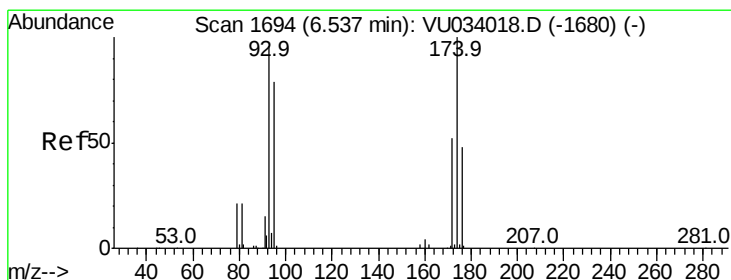
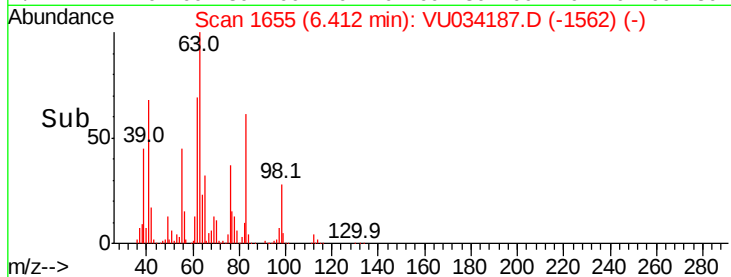
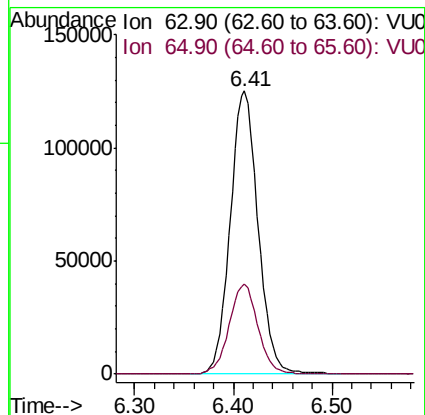
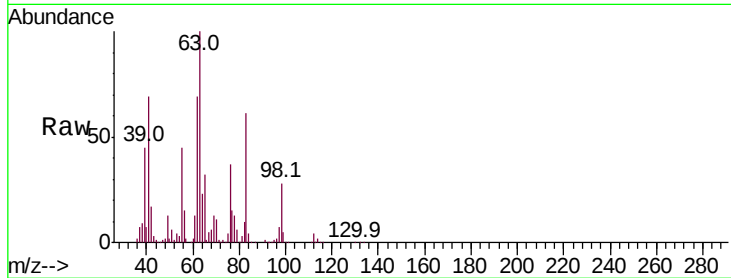
65 31.7 25.4 38.2

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#46

Dibromomethane

Concen: 53.208 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

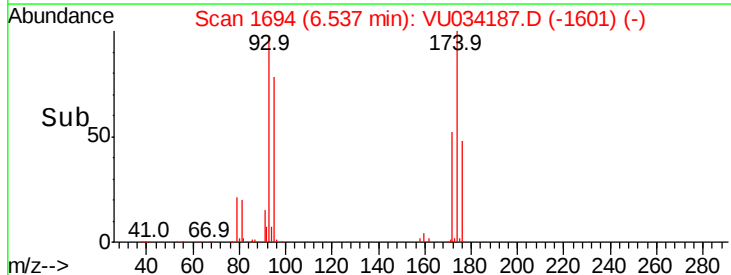
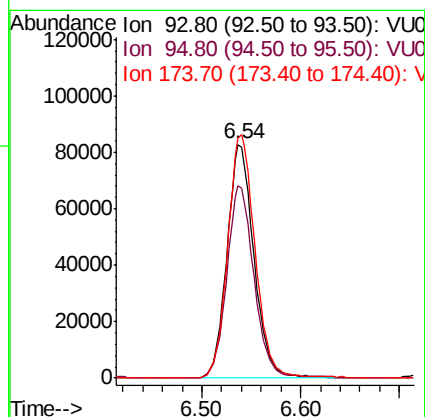
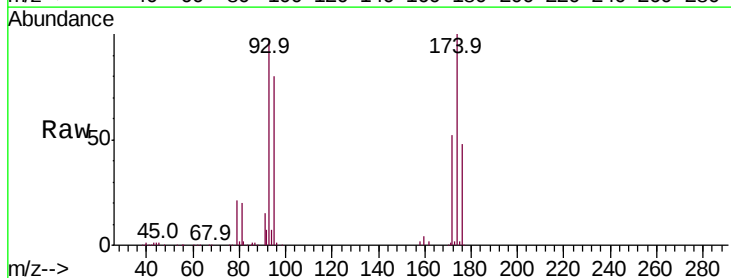
Tgt Ion: 93 Resp: 158688

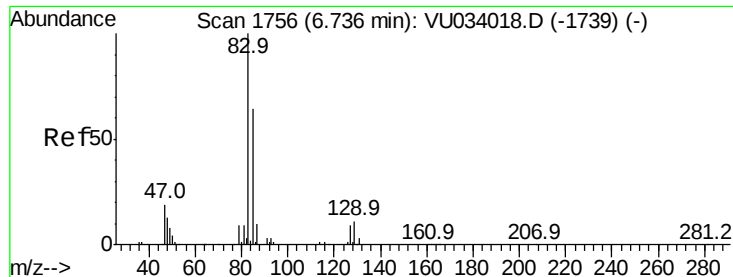
Ion Ratio Lower Upper

93 100

95 82.3 66.7 100.1

174 104.9 84.9 127.3





#47

Bromodichloromethane

Concen: 53.280 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA\_U

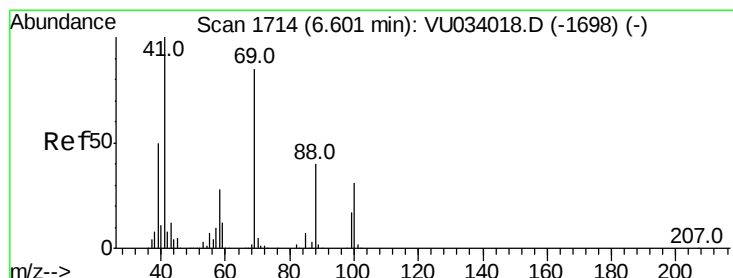
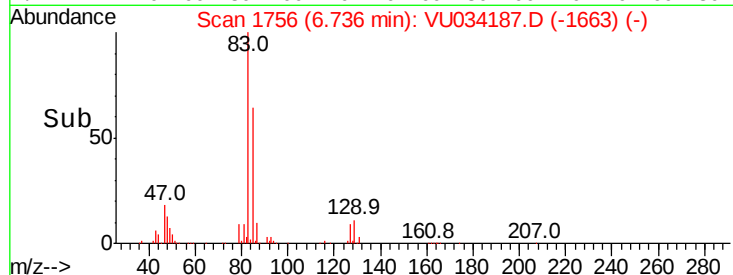
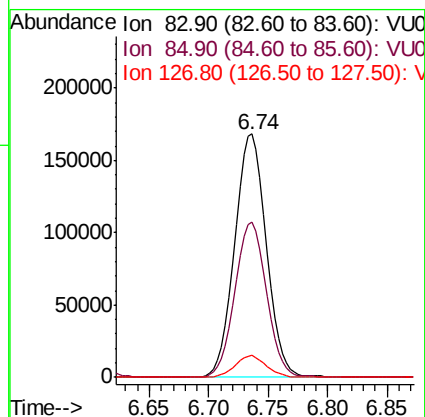
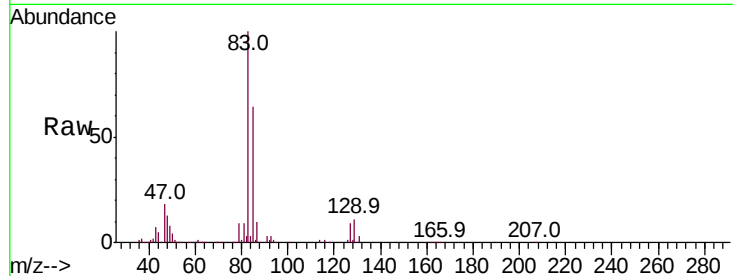
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 310886 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.5  | 51.2  | 76.8   |
| 127       | 8.8   | 7.0   | 10.6   |

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#48

Methyl methacrylate

Concen: 51.816 ug/l

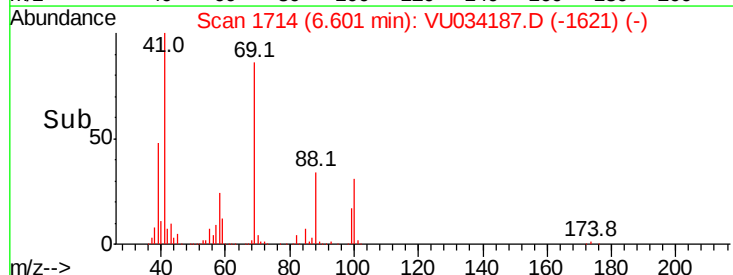
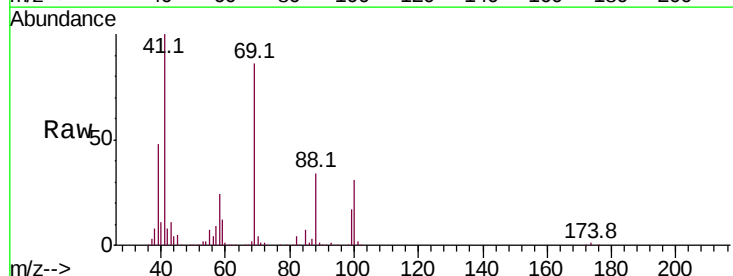
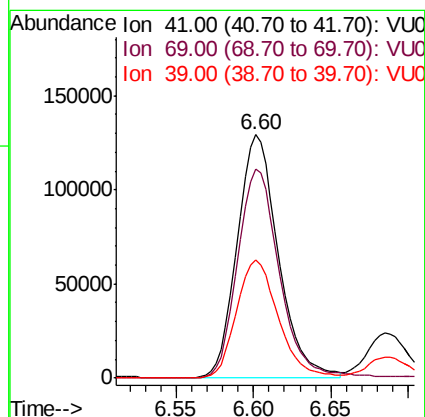
RT: 6.60 min Scan# 1714

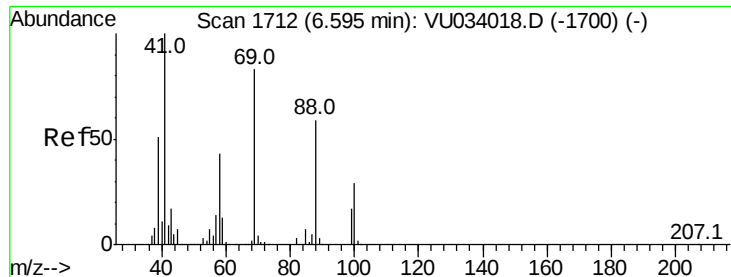
Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 236764 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 89.1  | 69.5  | 104.3  |
| 39        | 49.3  | 40.3  | 60.5   |





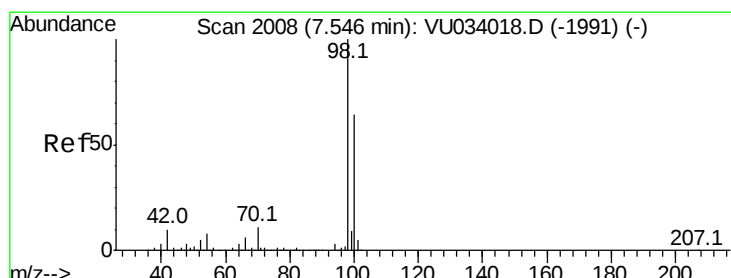
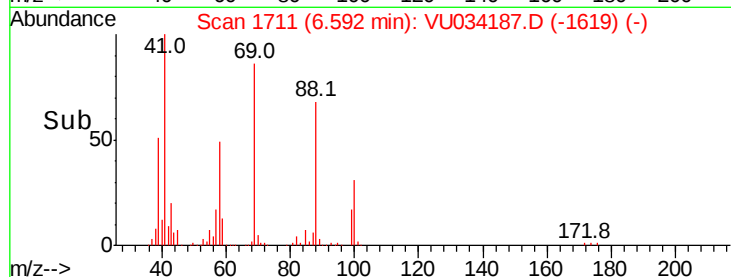
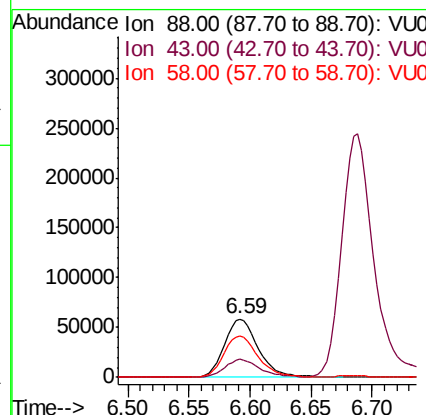
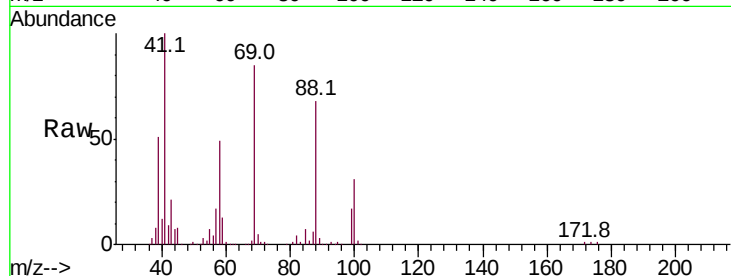
#49  
1,4-Dioxane  
Concen: 977.819 ug/l  
RT: 6.59 min Scan# 1711  
Delta R.T. -0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 30.6  | 24.8  | 37.2  |
| 58      | 74.0  | 59.3  | 88.9  |

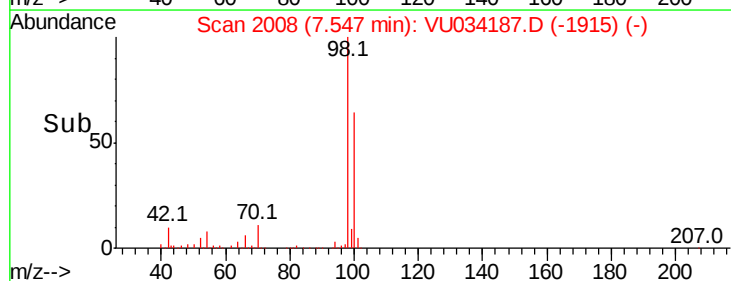
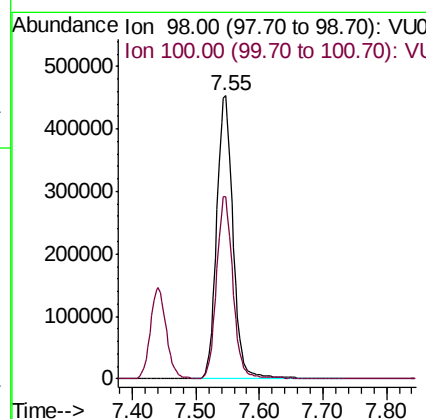
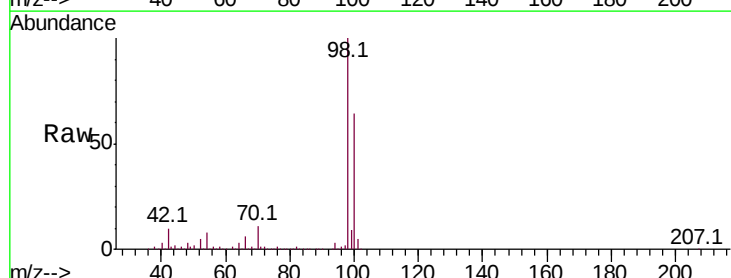
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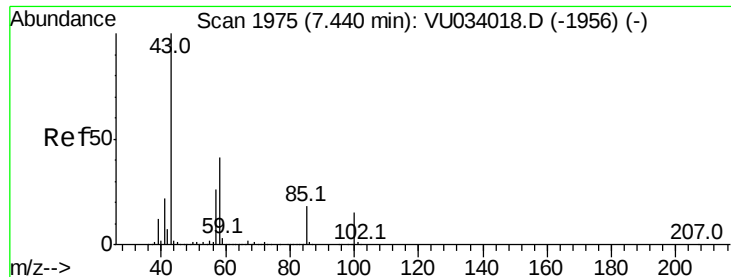
MMDadoda  
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#50  
Toluene-d8  
Concen: 53.159 ug/l  
RT: 7.55 min Scan# 2008  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.5  | 50.3  | 75.5  |





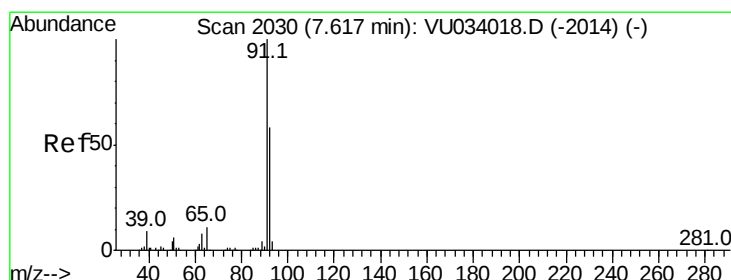
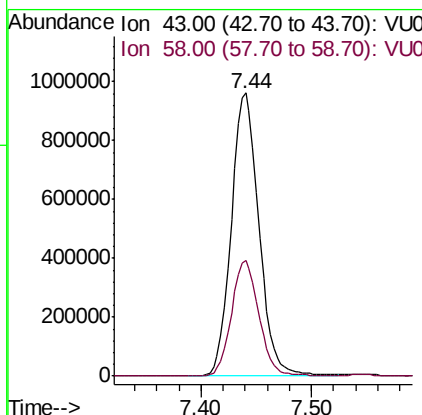
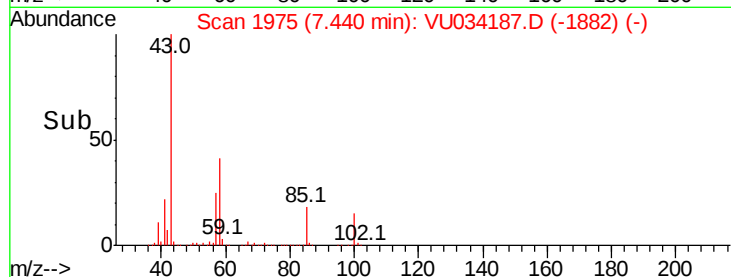
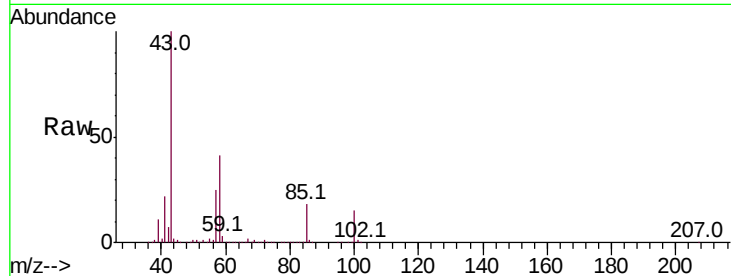
#51  
 4-Methyl-2-Pentanone  
 Concen: 256.010 ug/l  
 RT: 7.44 min Scan# 1975  
 Delta R.T. 0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 43 Resp: 1674162  
 Ion Ratio Lower Upper  
 43 100  
 58 40.7 32.2 48.4

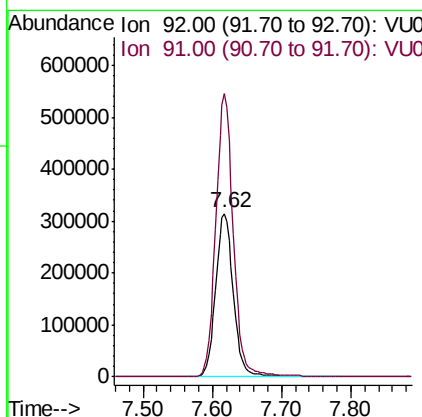
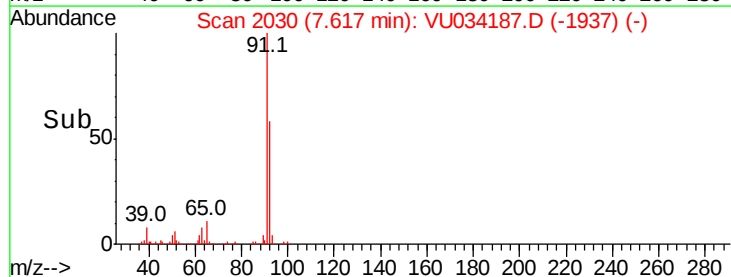
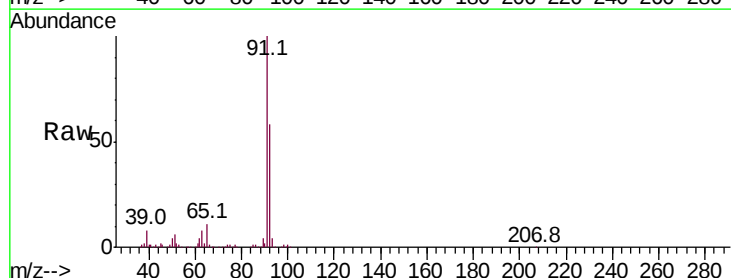
Manual Integrations  
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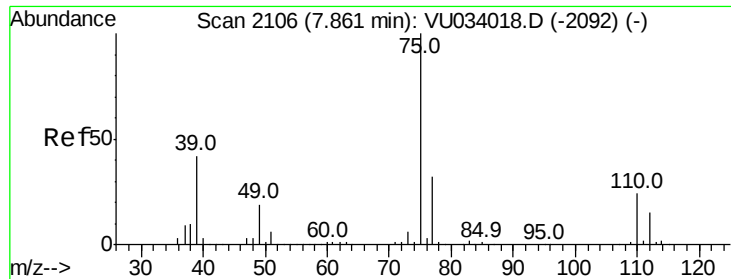
MMDadoda  
 9/3/2019 1:09:24 PM



#52  
 Toluene  
 Concen: 53.932 ug/l  
 RT: 7.62 min Scan# 2030  
 Delta R.T. 0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

Tgt Ion: 92 Resp: 558703  
 Ion Ratio Lower Upper  
 92 100  
 91 171.7 138.3 207.5





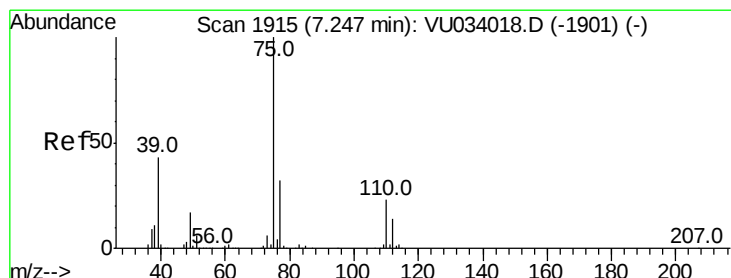
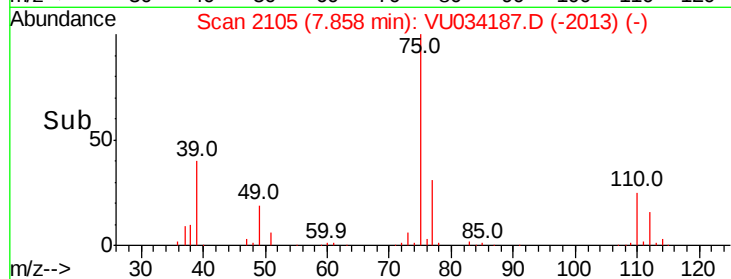
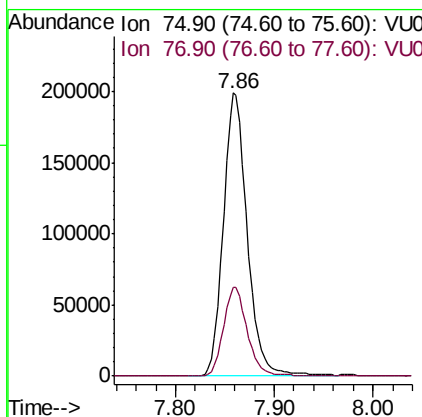
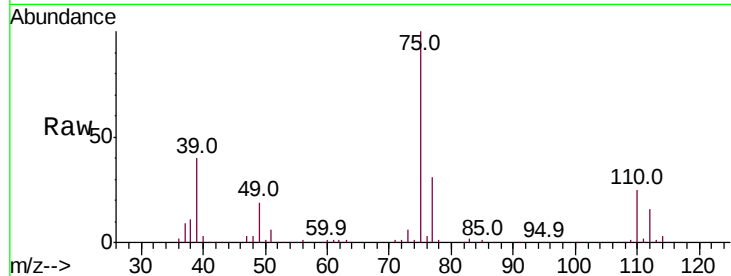
#53  
 t-1,3-Dichloropropene  
 Concen: 52.390 ug/l  
 RT: 7.86 min Scan# 2105  
 Delta R.T. -0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.4  | 25.4  | 38.0  |

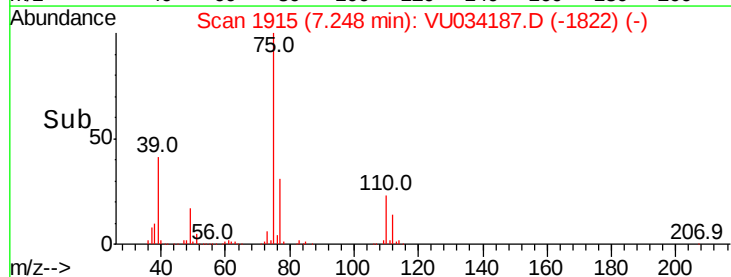
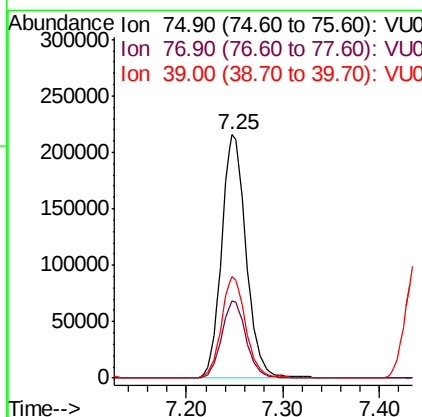
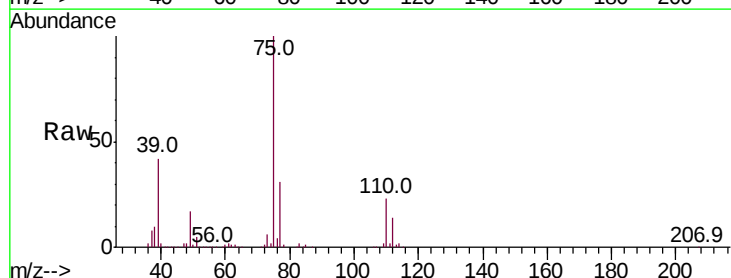
Manual Integrations  
 APPROVED

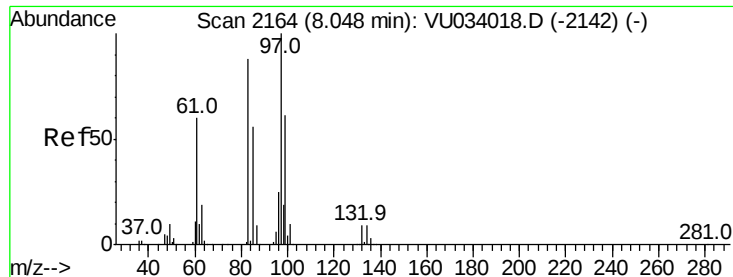
MMDadoda  
 9/3/2019 1:09:24 PM



#54  
 cis-1,3-Dichloropropene  
 Concen: 53.606 ug/l  
 RT: 7.25 min Scan# 1915  
 Delta R.T. 0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.5  | 25.2  | 37.8  |
| 39      | 41.4  | 34.6  | 51.8  |





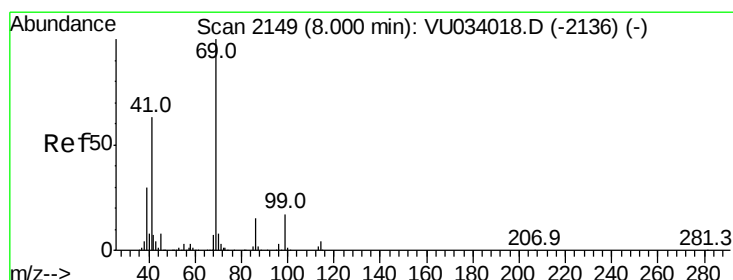
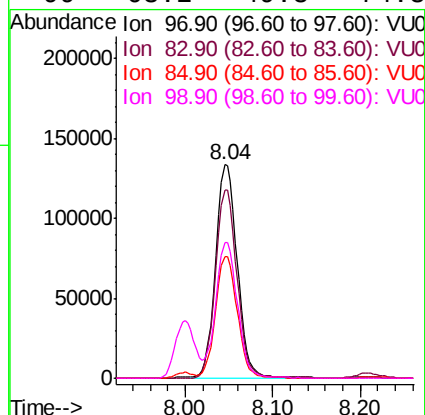
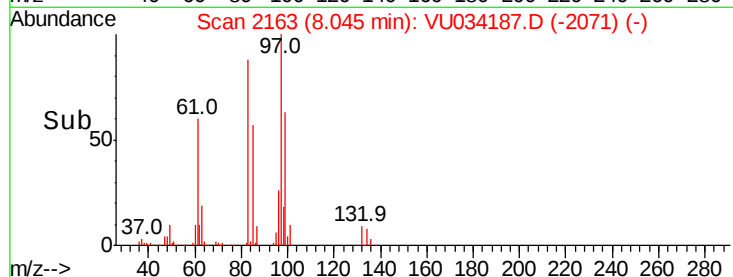
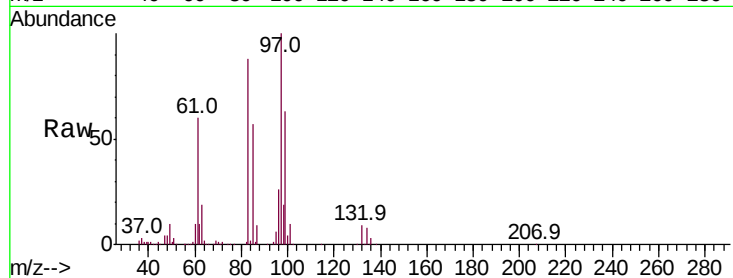
#55  
 1,1,2-Trichloroethane  
 Concen: 52.313 ug/l  
 RT: 8.04 min Scan# 2163  
 Delta R.T. -0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 229228 |       |       |
| 83      | 88.0 | 70.1  | 105.1  |       |       |
| 85      | 56.9 | 45.0  | 67.4   |       |       |
| 99      | 63.2 | 49.8  | 74.8   |       |       |

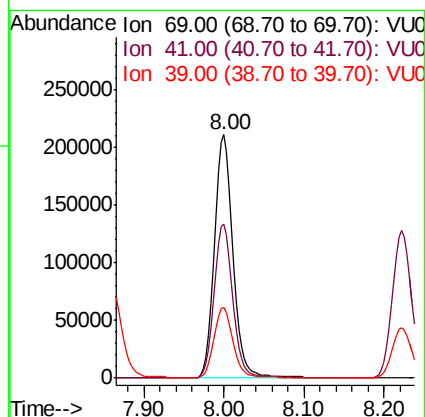
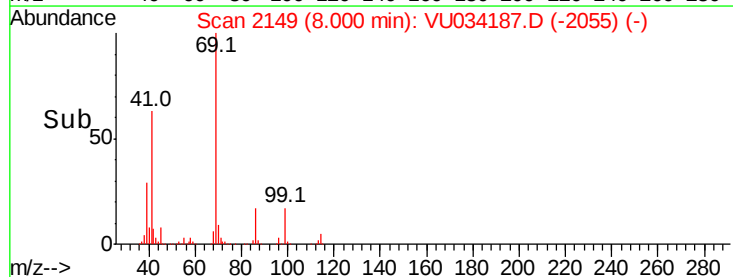
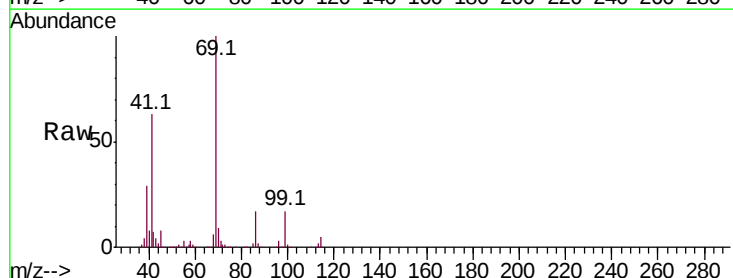
Manual Integrations  
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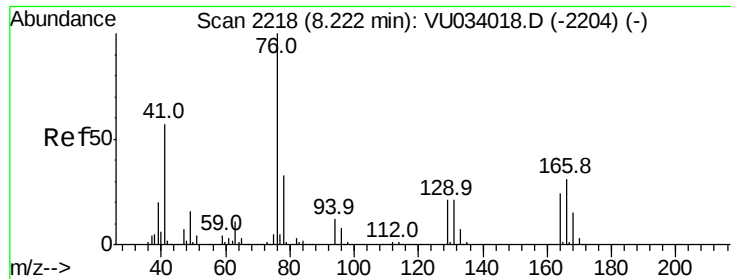
MMDadoda  
 9/3/2019 1:09:24 PM



#56  
 Ethyl methacrylate  
 Concen: 47.138 ug/l  
 RT: 8.00 min Scan# 2149  
 Delta R.T. 0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 342206 |       |       |
| 41      | 63.3 | 50.7  | 76.1   |       |       |
| 39      | 29.3 | 24.2  | 36.2   |       |       |





#57

1,3-Dichloropropane

Concen: 52.650 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 391729

Ion Ratio Lower Upper

76 100

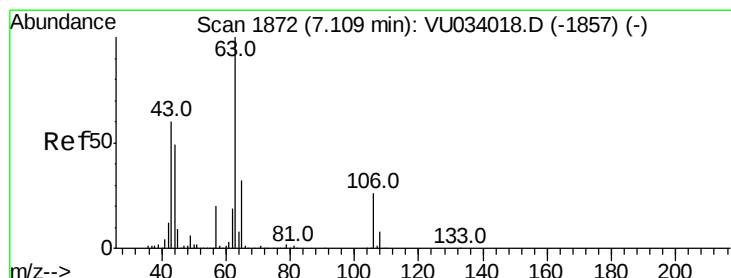
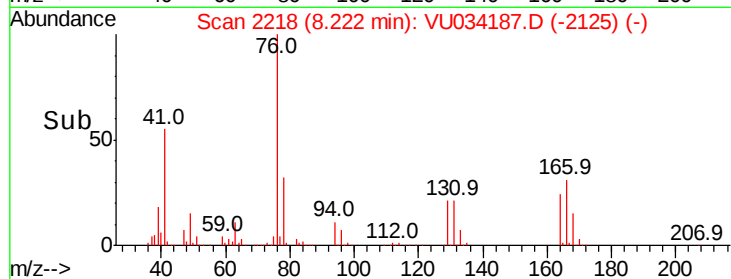
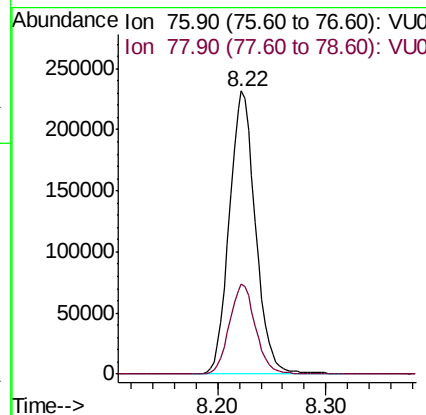
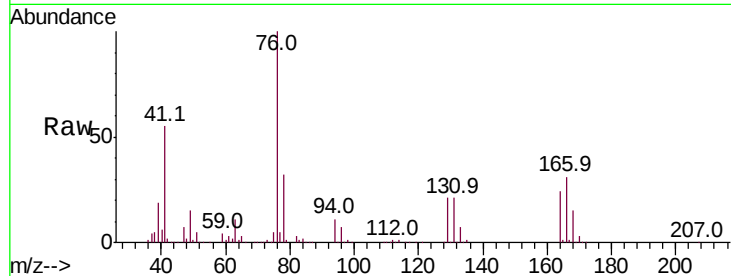
78 31.6 26.2 39.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 237.925 ug/l

RT: 7.11 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VU034187.D

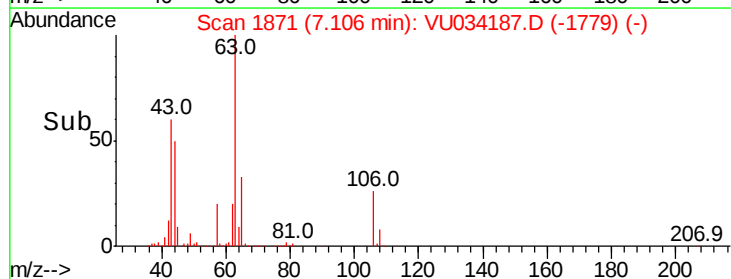
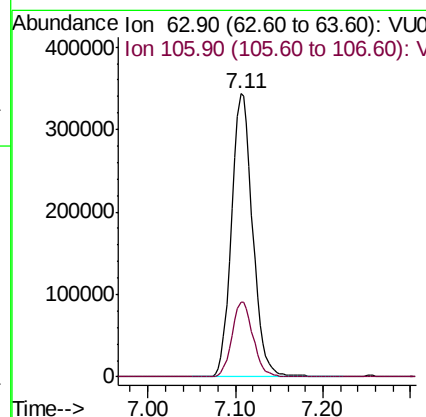
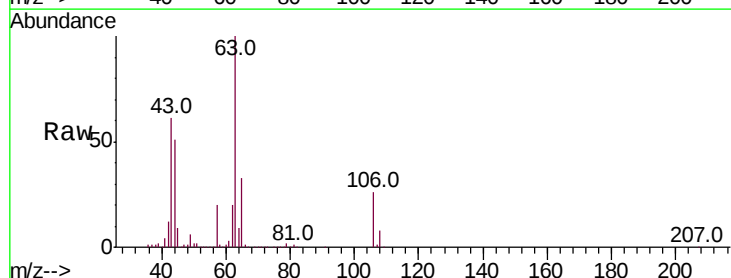
Acq: 02 Sep 2019 09:13

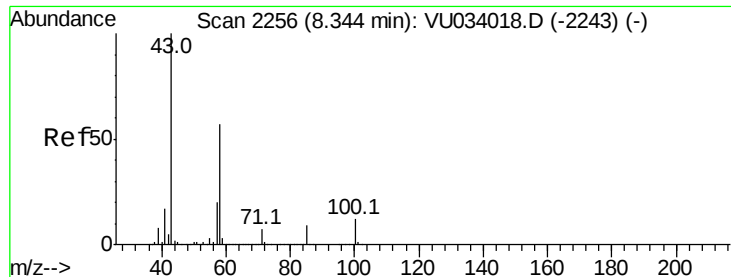
Tgt Ion: 63 Resp: 576776

Ion Ratio Lower Upper

63 100

106 26.4 20.7 31.1





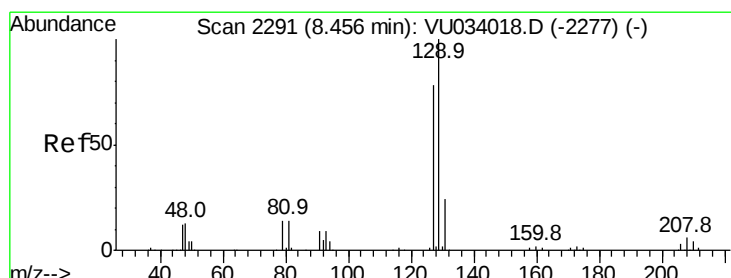
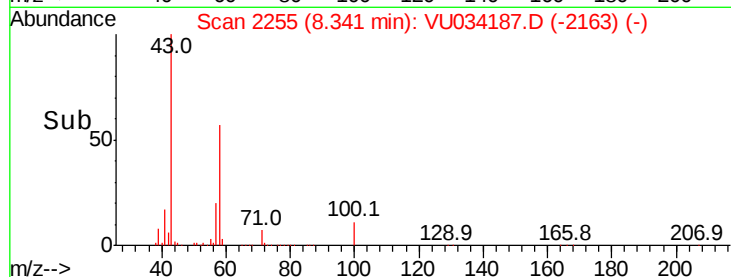
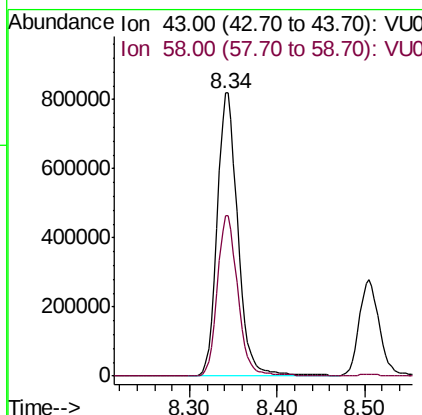
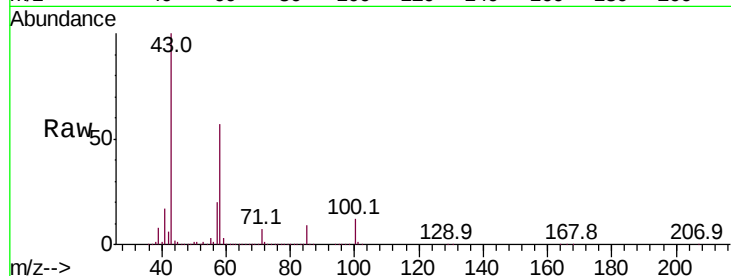
#59  
2-Hexanone  
Concen: 272.535 ug/l  
RT: 8.34 min Scan# 2255  
Delta R.T. -0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 1345419  
Ion Ratio Lower Upper  
43 100  
58 56.7 28.4 85.3

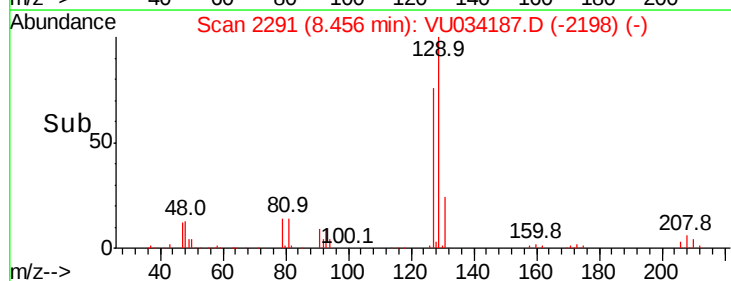
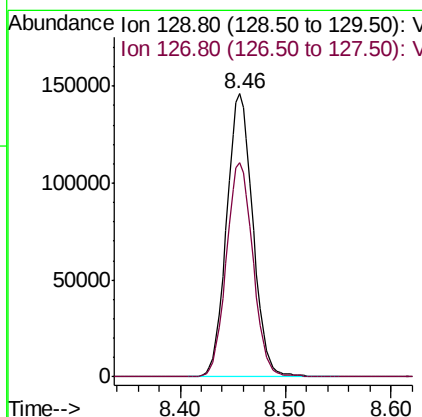
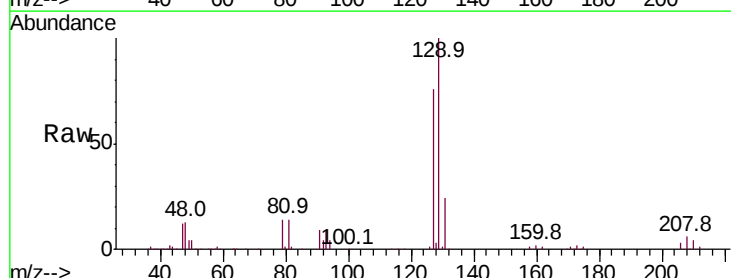
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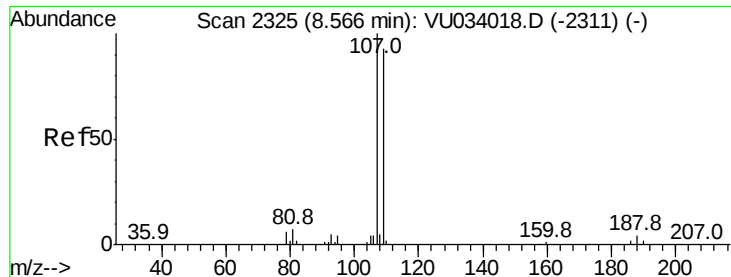
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 53.361 ug/l  
RT: 8.46 min Scan# 2291  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

Tgt Ion: 129 Resp: 250992  
Ion Ratio Lower Upper  
129 100  
127 76.7 39.0 116.9





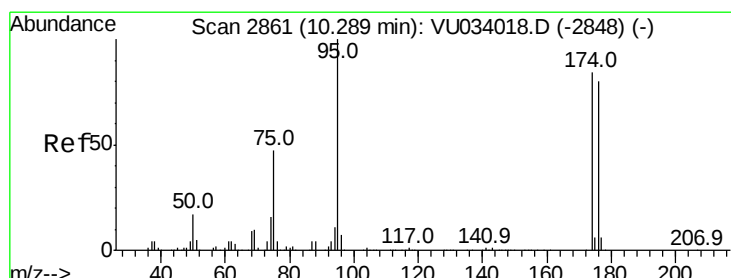
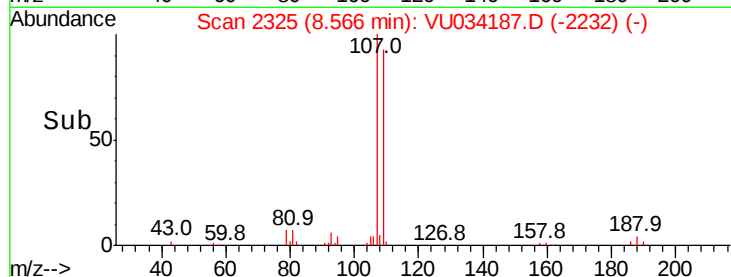
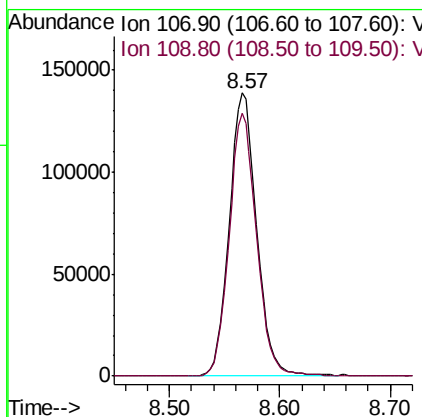
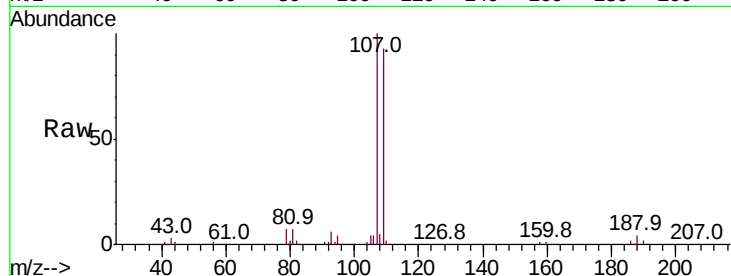
#61  
 1,2-Dibromoethane  
 Concen: 51.773 ug/l  
 RT: 8.57 min Scan# 2325  
 Delta R.T. 0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 238977 |       |       |
| 109     | 92.9  | 75.2   | 112.8 |       |

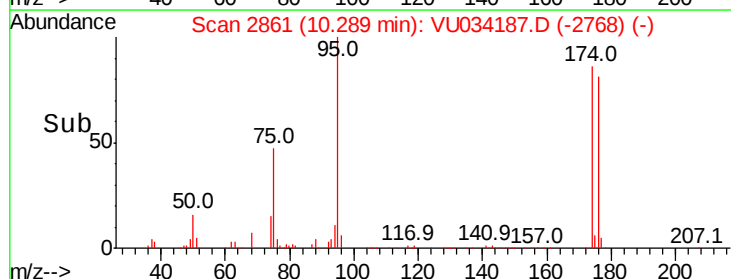
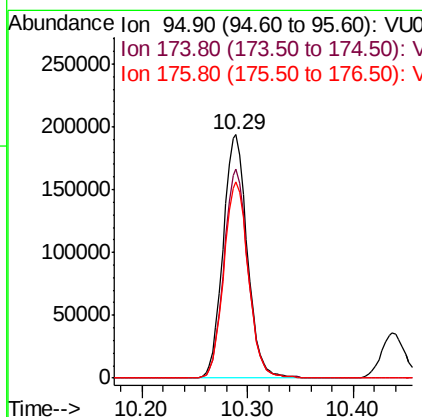
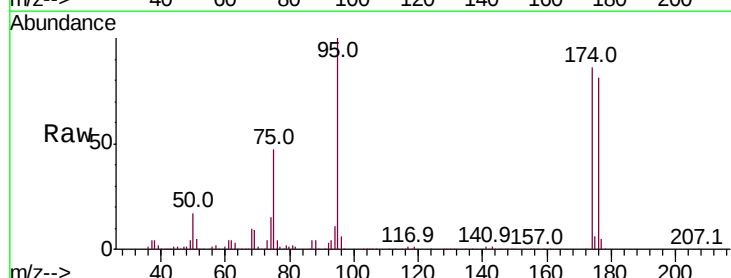
Manual Integrations  
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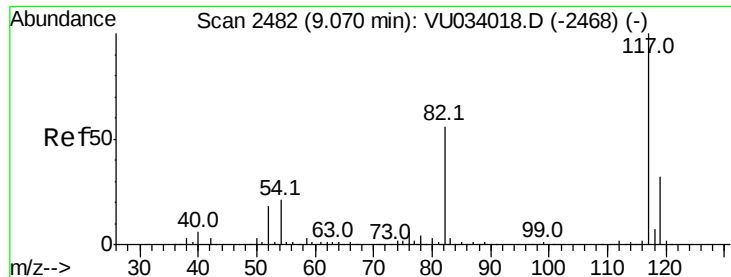
MMDadoda  
 9/3/2019 1:09:24 PM



#62  
 4-Bromofluorobenzene  
 Concen: 51.887 ug/l  
 RT: 10.29 min Scan# 2861  
 Delta R.T. 0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 308021 |       |       |
| 174     | 85.1  | 0.0    | 168.8 |       |
| 176     | 81.8  | 0.0    | 161.8 |       |





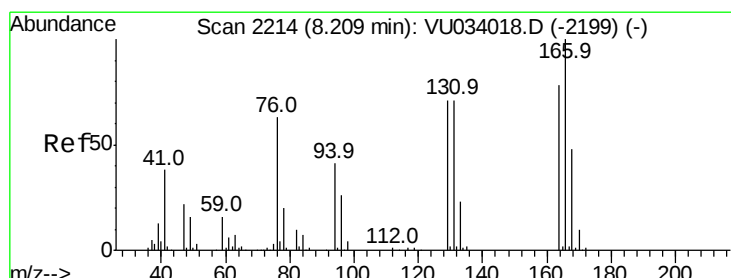
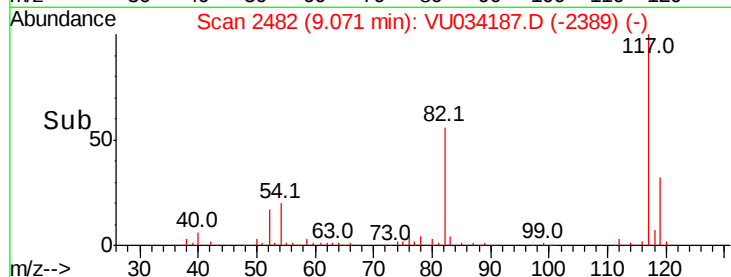
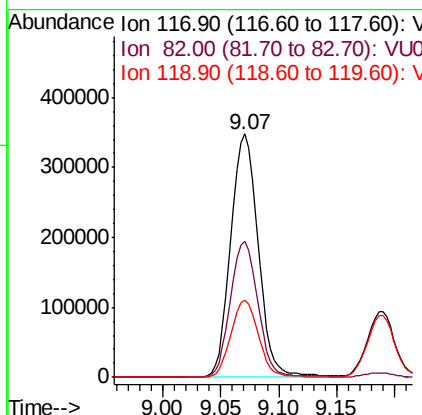
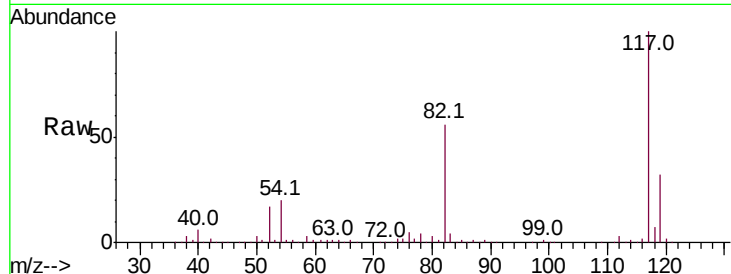
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.07 min Scan# 2482  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 82      | 55.9  | 45.1 | 67.7  |       |
| 119     | 31.9  | 25.4 | 38.0  |       |

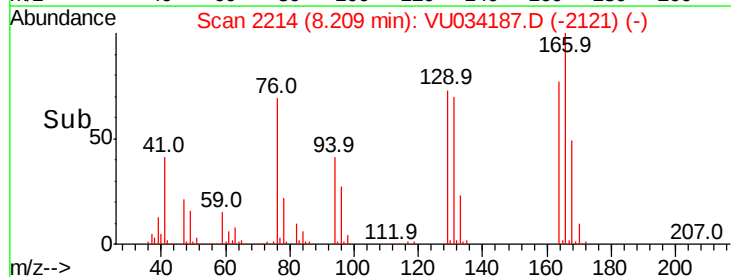
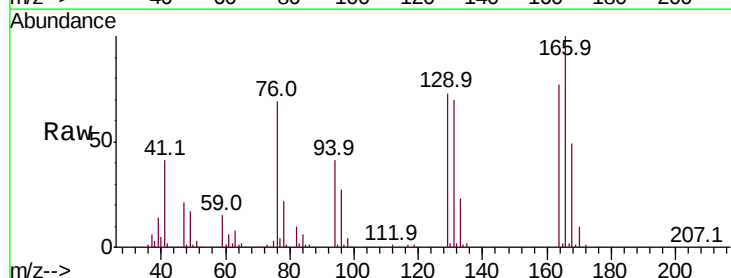
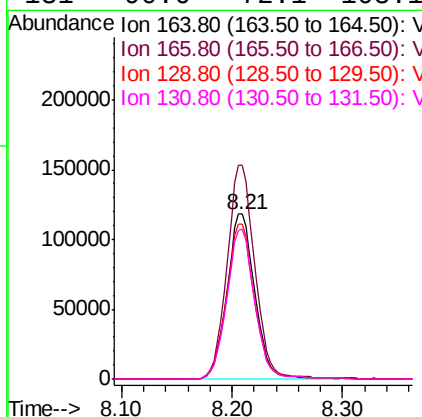
Manual Integrations  
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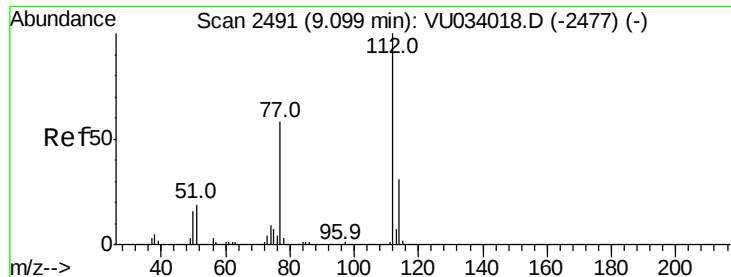
MMDadoda  
9/3/2019 1:09:24 PM



#64  
Tetrachloroethene  
Concen: 53.988 ug/l  
RT: 8.21 min Scan# 2214  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   |       |       |       |
| 166     | 129.7 | 102.2 | 153.2 |       |
| 129     | 94.1  | 72.4  | 108.6 |       |
| 131     | 90.6  | 72.1  | 108.1 |       |





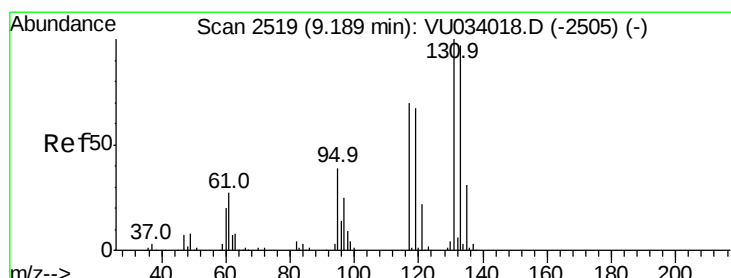
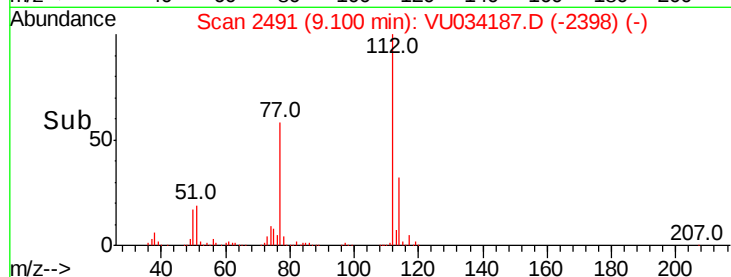
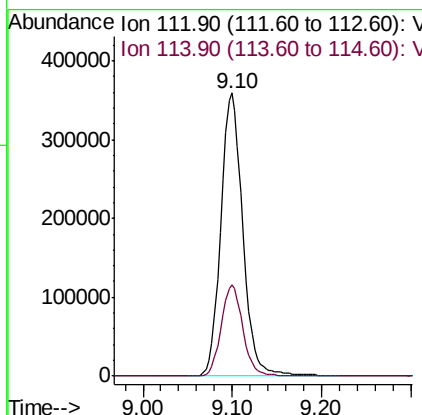
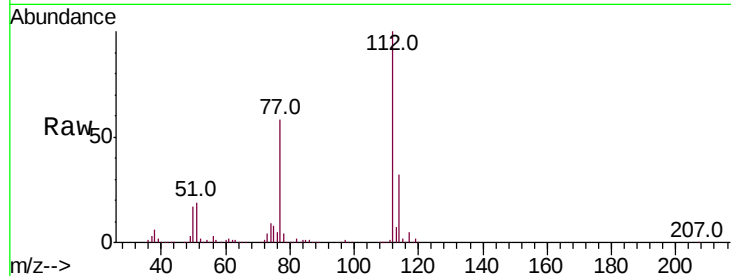
#65  
Chlorobenzene  
Concen: 51.936 ug/l  
RT: 9.10 min Scan# 2491  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 611168  
Ion Ratio Lower Upper  
112 100  
114 32.3 25.0 37.4

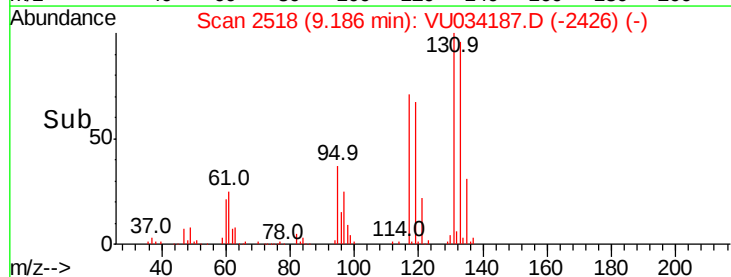
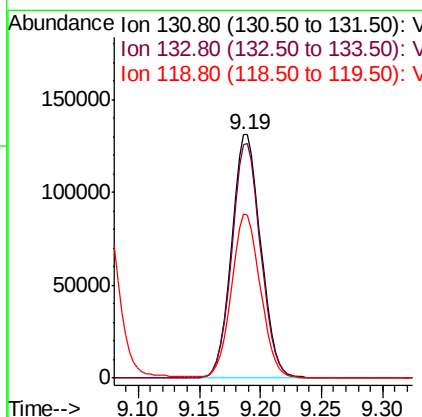
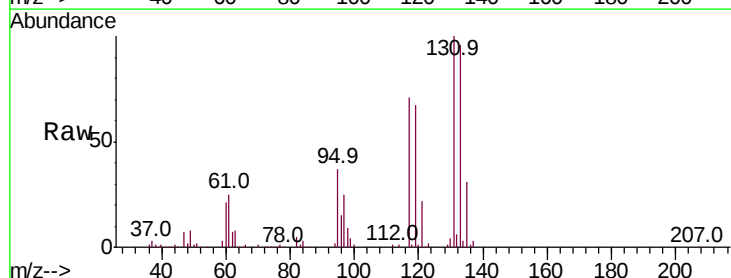
Manual Integrations  
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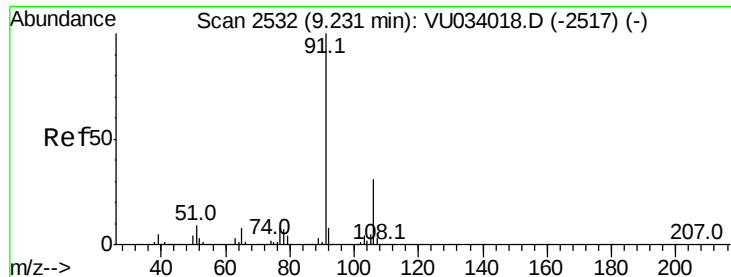
MMDadoda  
9/3/2019 1:09:24 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.196 ug/l  
RT: 9.19 min Scan# 2518  
Delta R.T. -0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

Tgt Ion:131 Resp: 218461  
Ion Ratio Lower Upper  
131 100  
133 95.9 48.4 145.2  
119 66.4 33.6 100.6





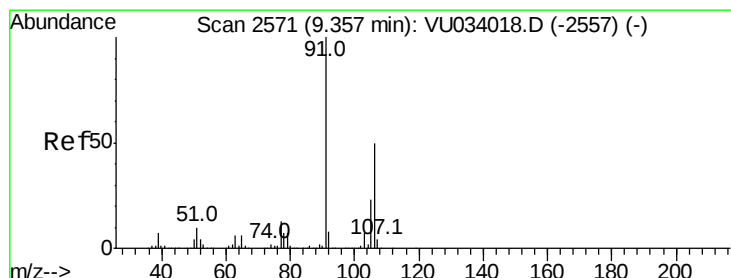
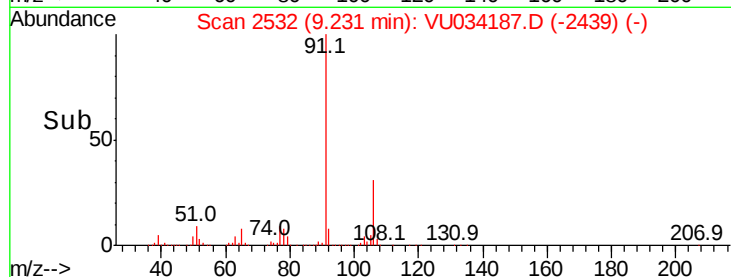
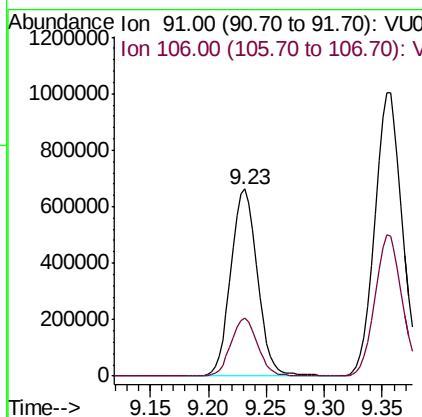
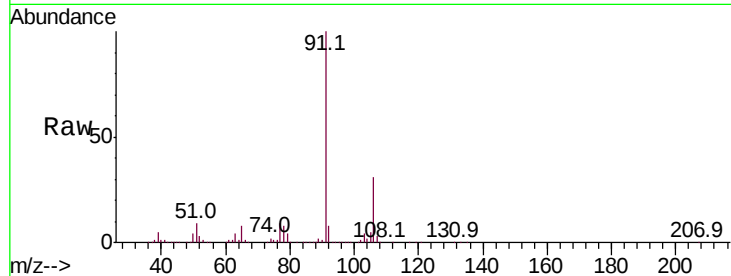
#67  
Ethyl Benzene  
Concen: 53.018 ug/l  
RT: 9.23 min Scan# 2532  
Delta R.T. 0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 1057593  
Ion Ratio Lower Upper  
91 100  
106 30.8 24.9 37.3

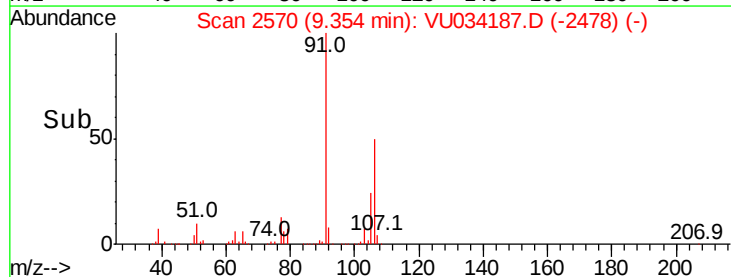
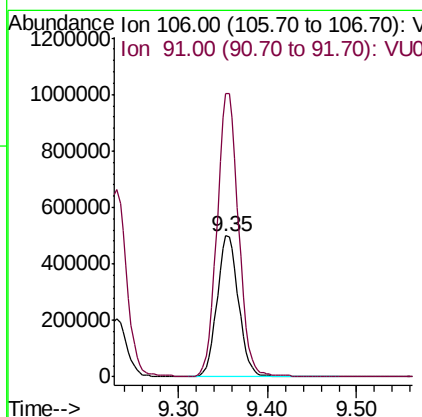
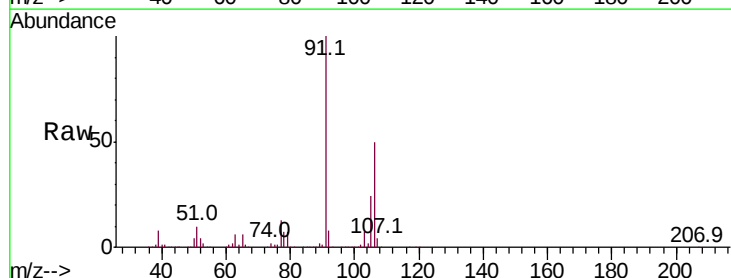
Manual Integrations  
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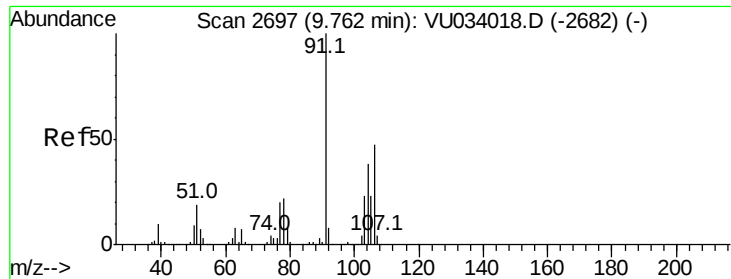
MMDadoda  
9/3/2019 1:09:24 PM



#68  
m/p-Xylenes  
Concen: 109.633 ug/l  
RT: 9.35 min Scan# 2570  
Delta R.T. -0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

Tgt Ion: 106 Resp: 831564  
Ion Ratio Lower Upper  
106 100  
91 201.4 161.6 242.4





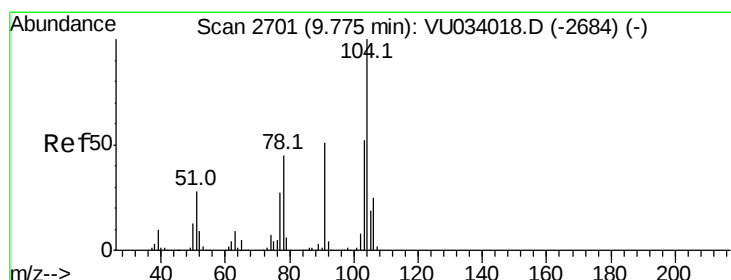
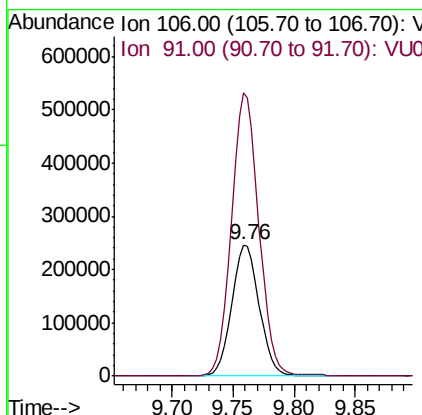
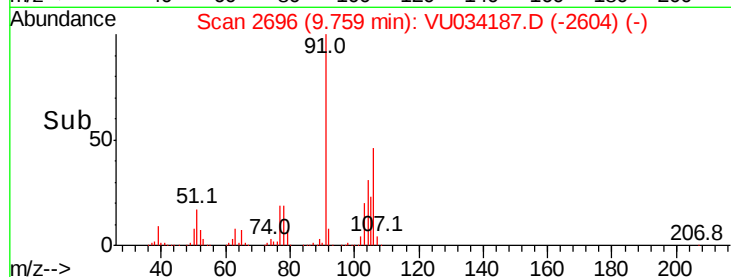
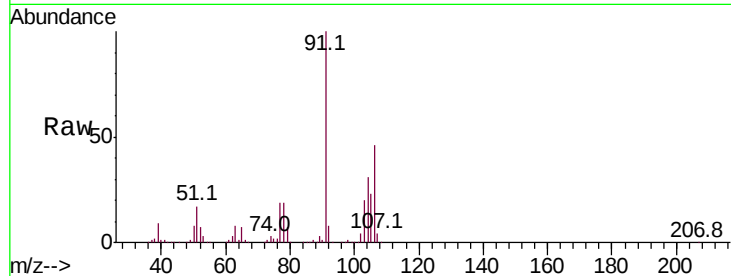
#69  
o-Xylene  
Concen: 53.289 ug/l  
RT: 9.76 min Scan# 2696  
Delta R.T. -0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 214.5 | 106.0 | 318.0 |

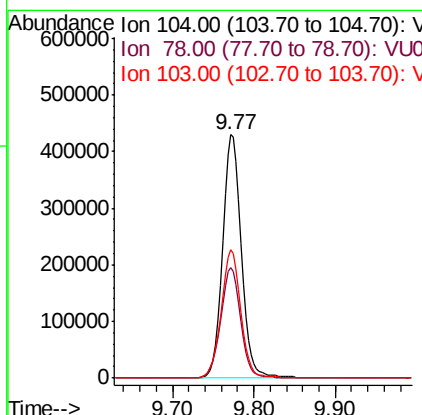
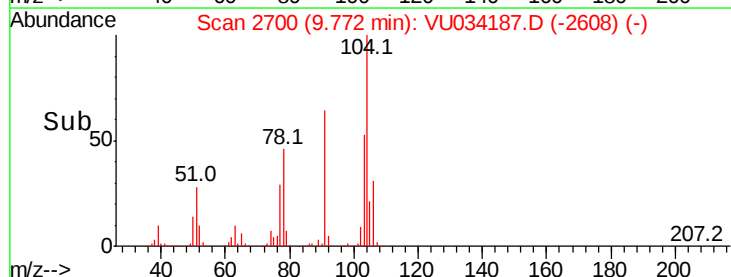
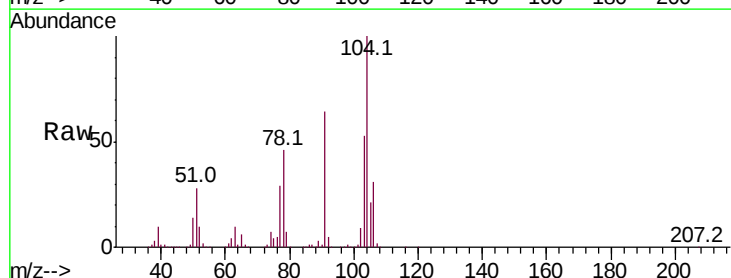
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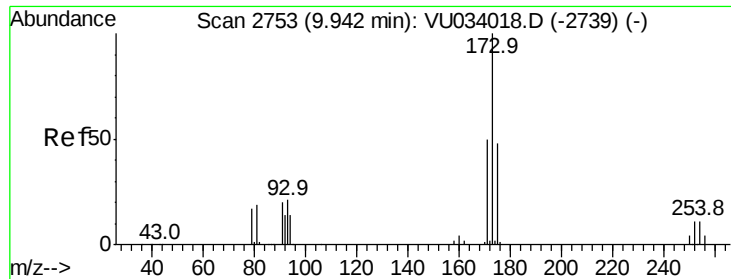
MMDadoda  
9/3/2019 1:09:24 PM



#70  
Styrene  
Concen: 56.347 ug/l  
RT: 9.77 min Scan# 2700  
Delta R.T. -0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 48.4  | 39.0  | 58.4  |
| 103     | 55.0  | 44.0  | 66.0  |





#71

Bromoform

Concen: 52.034 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA\_U

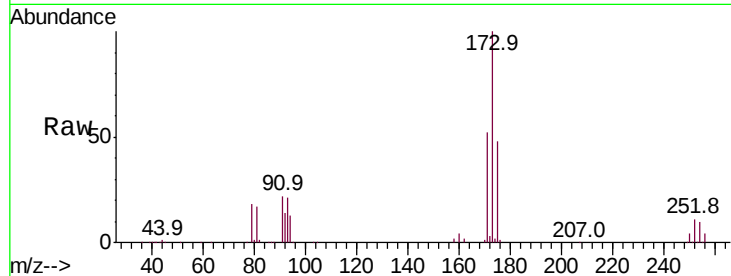
ClientSampleId :

VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.5  | 24.6  | 73.6  |
| 254     | 0.1   | 0.0   | 0.0#  |

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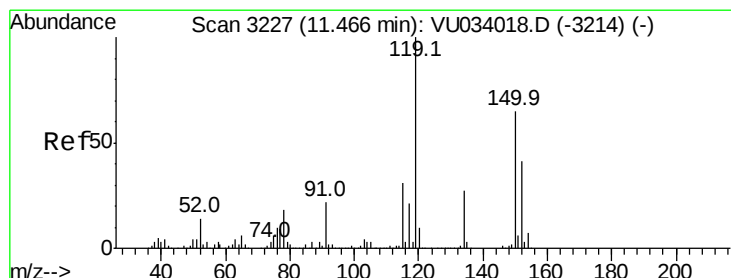
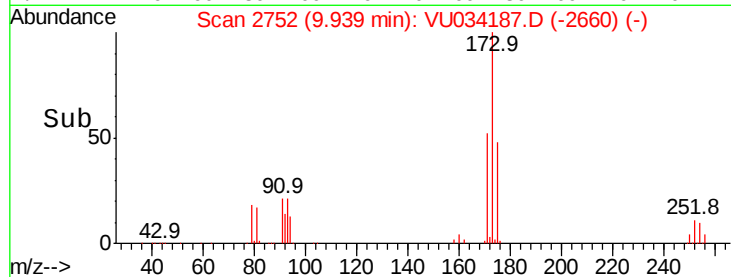
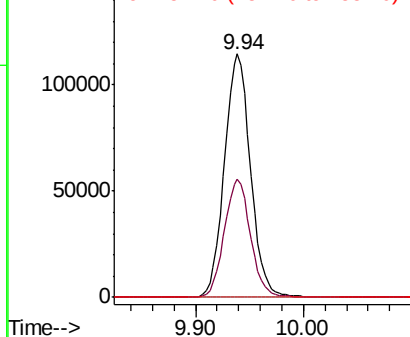


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

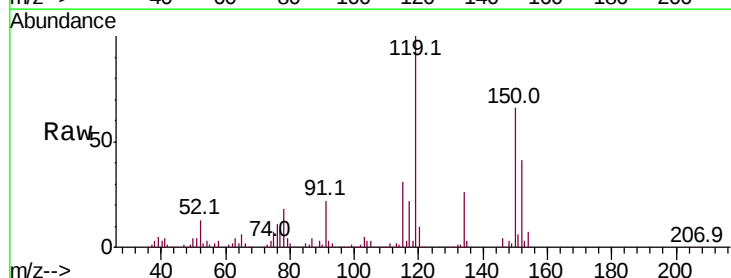
RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 80.0  | 41.1  | 123.3 |
| 150     | 173.6 | 0.0   | 348.8 |

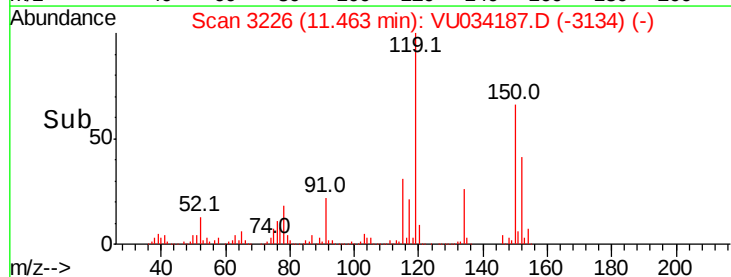
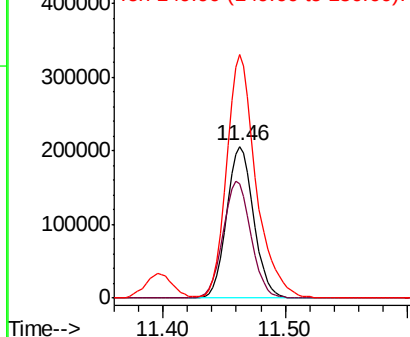


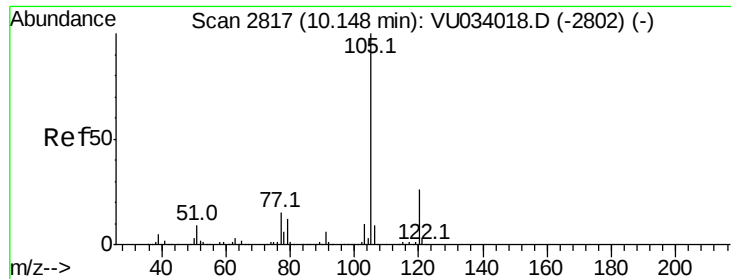
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.279 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1075782

Ion Ratio Lower Upper

105 100

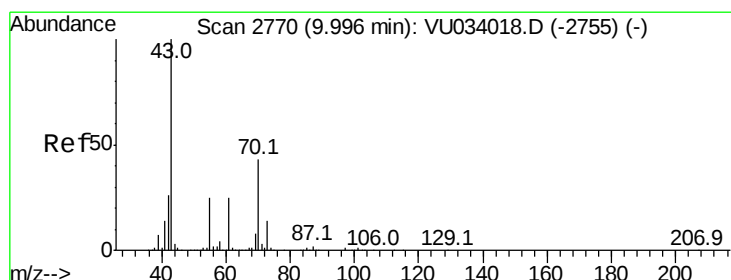
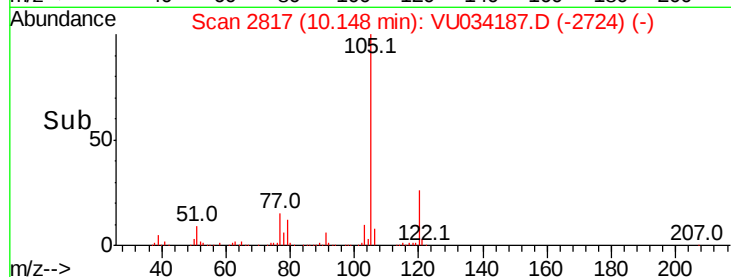
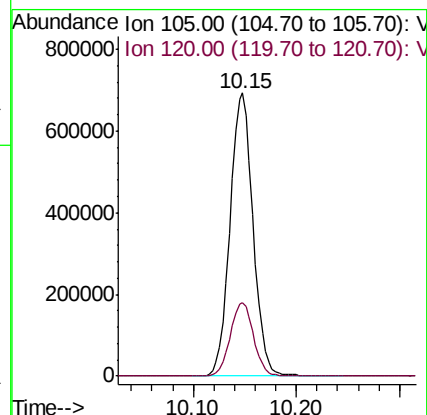
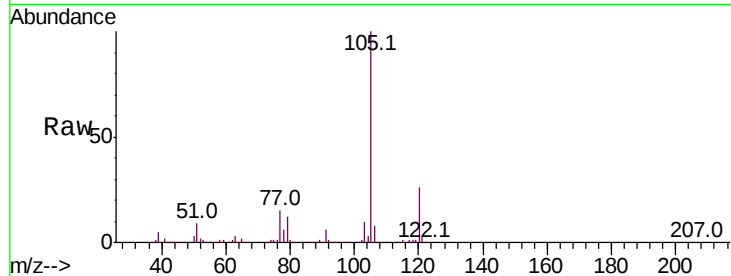
120 26.4 13.3 39.8

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#74

N-ethyl acetate

Concen: 49.585 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Tgt Ion: 43 Resp: 446220

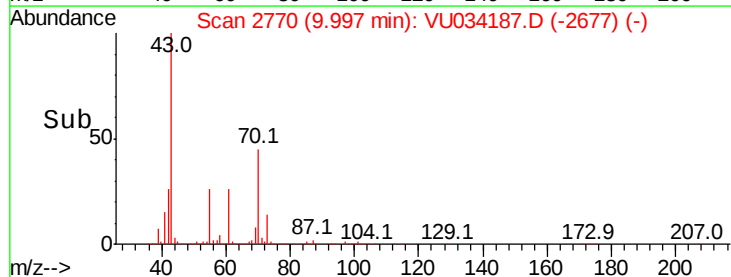
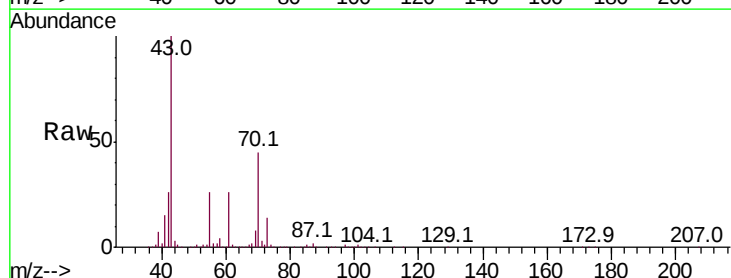
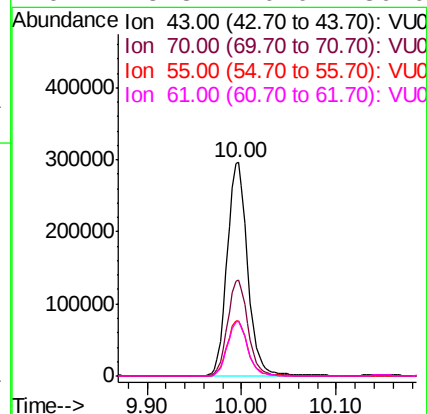
Ion Ratio Lower Upper

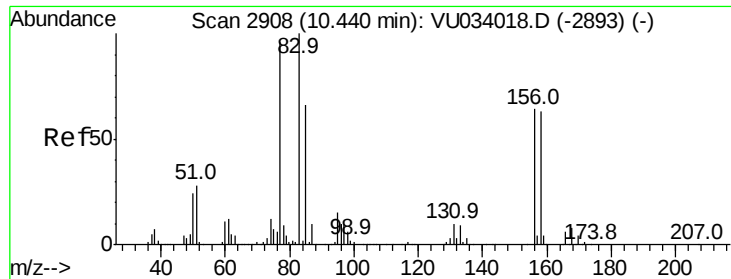
43 100

70 44.5 35.2 52.8

55 26.0 20.5 30.7

61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.500 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 388996

Ion Ratio Lower Upper

83 100

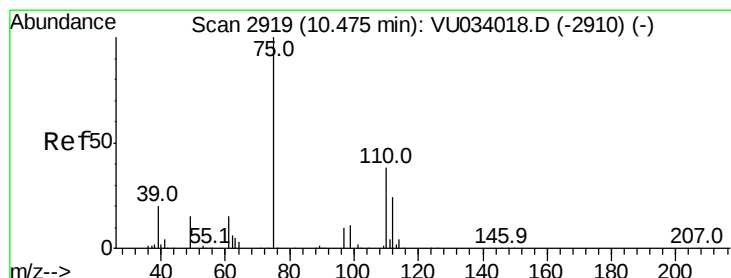
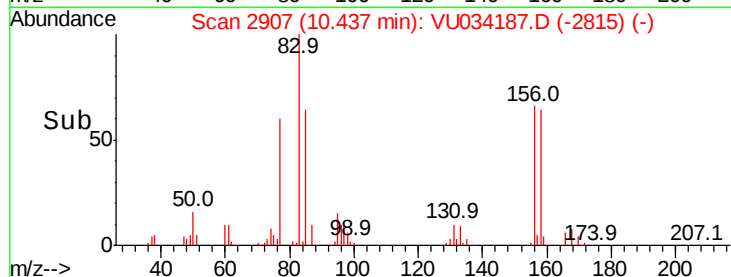
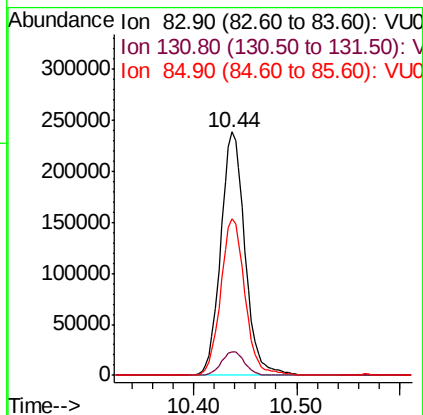
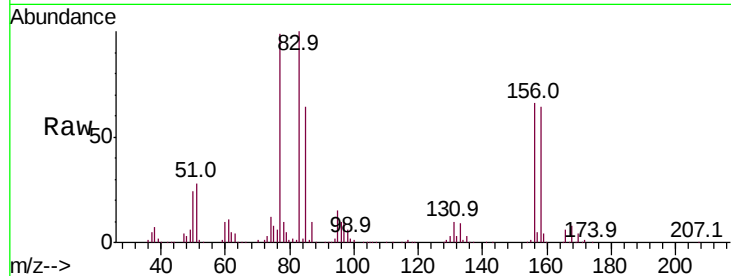
131 9.5 5.0 14.9

85 64.5 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 45.172 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034187.D

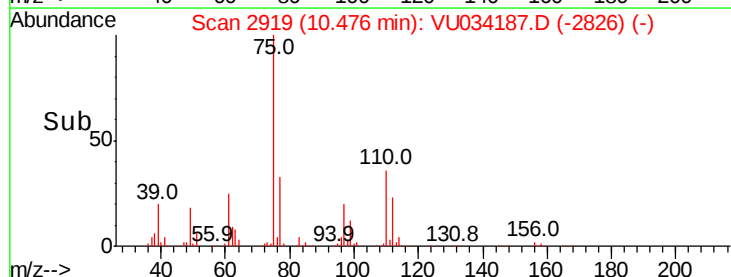
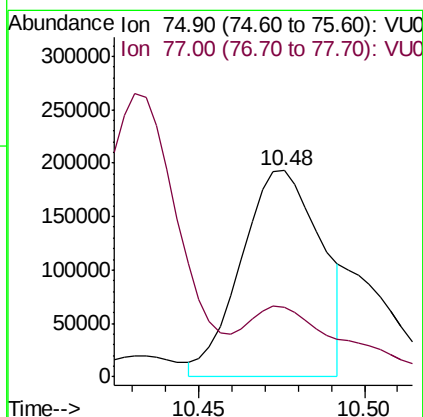
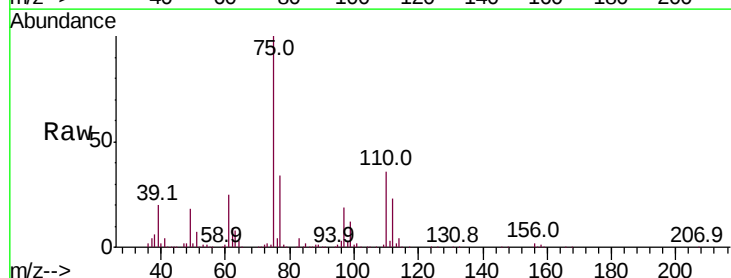
Acq: 02 Sep 2019 09:13

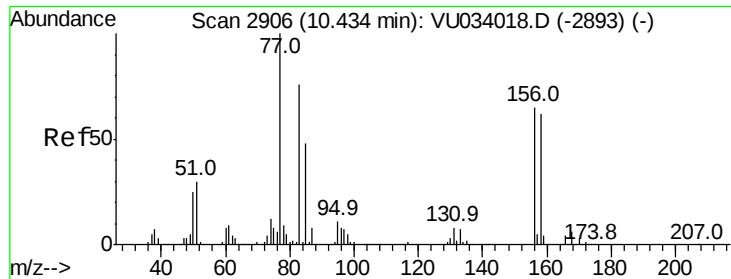
Tgt Ion: 75 Resp: 324311

Ion Ratio Lower Upper

75 100

77 42.2 20.1 60.2





#77

Bromobenzene

Concen: 48.719 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA\_U

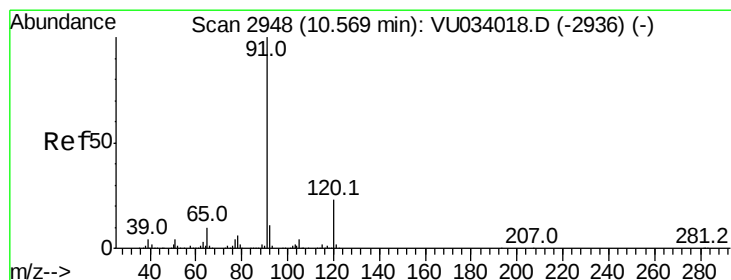
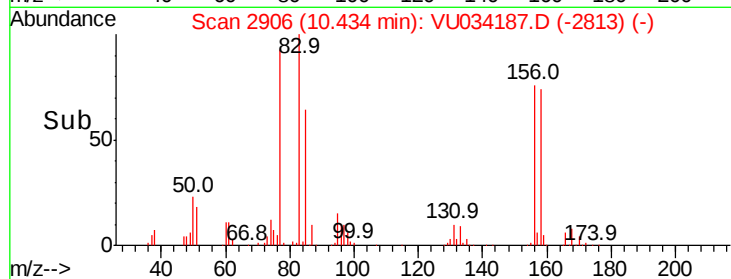
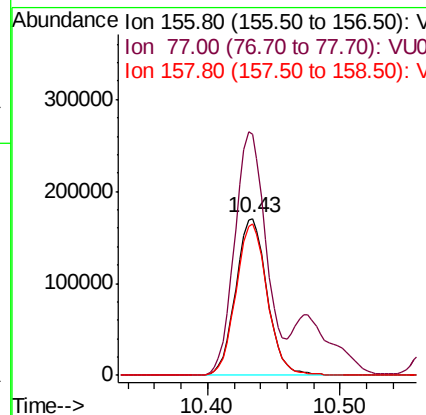
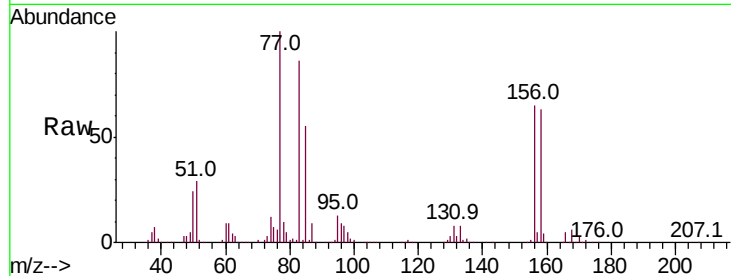
ClientSampleId :

VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 156.2 | 76.8  | 230.5 |
| 158     | 97.2  | 48.4  | 145.0 |

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#78

n-propylbenzene

Concen: 51.445 ug/l

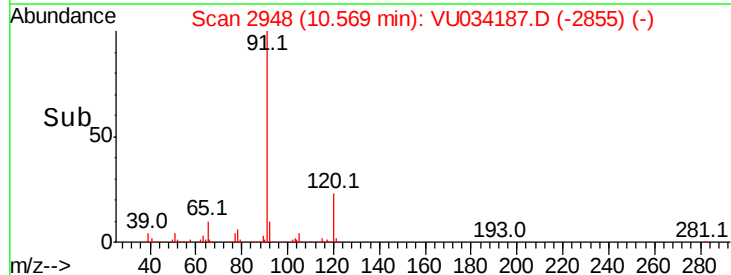
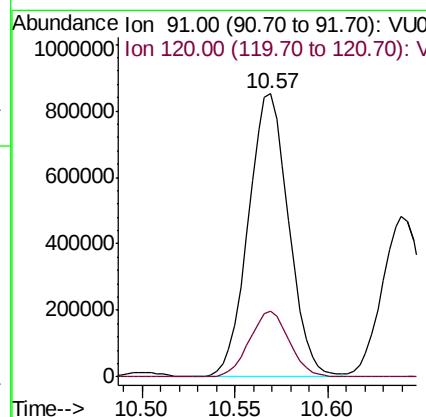
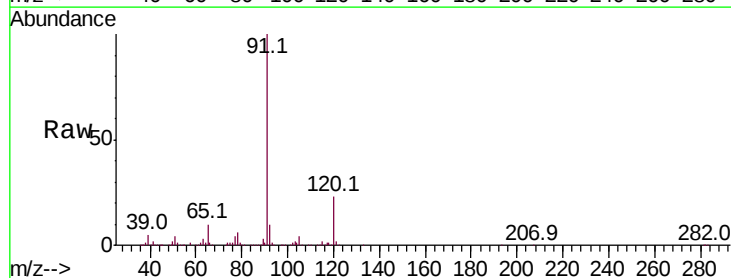
RT: 10.57 min Scan# 2948

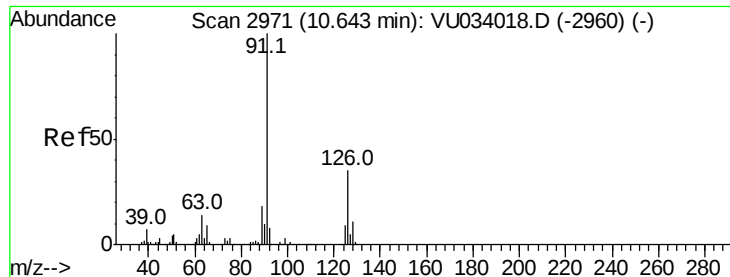
Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.0  | 11.7  | 35.0  |





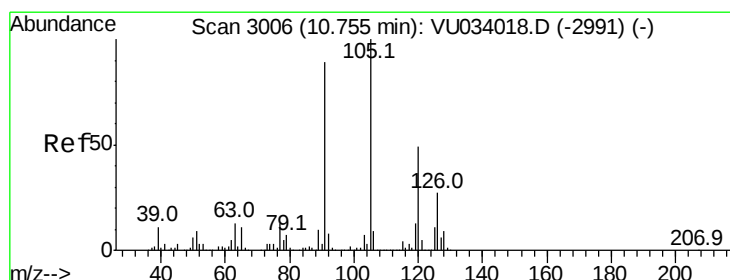
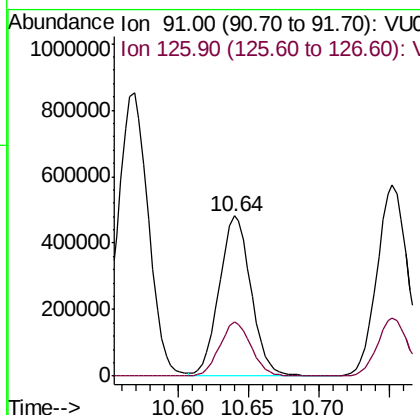
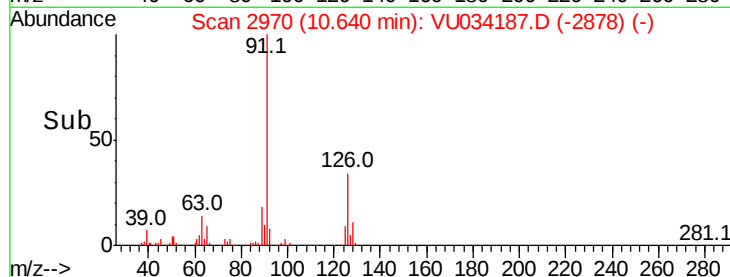
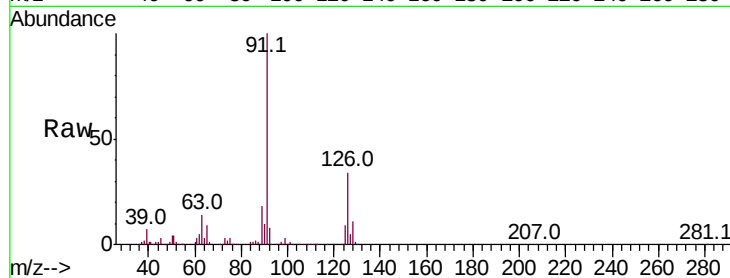
#79  
 2-Chlorotoluene  
 Concen: 50.524 ug/l  
 RT: 10.64 min Scan# 2970  
 Delta R.T. -0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 91 Resp: 755135  
 Ion Ratio Lower Upper  
 91 100  
 126 33.8 17.1 51.2

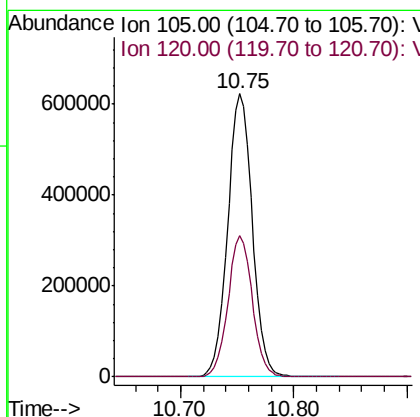
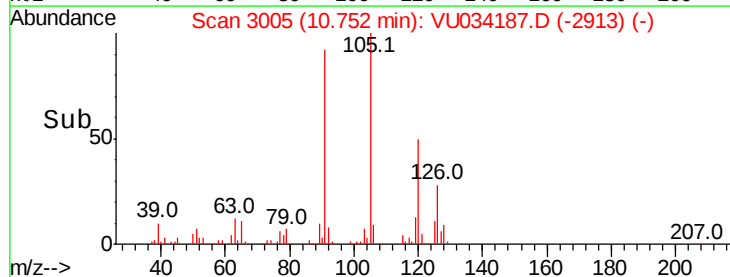
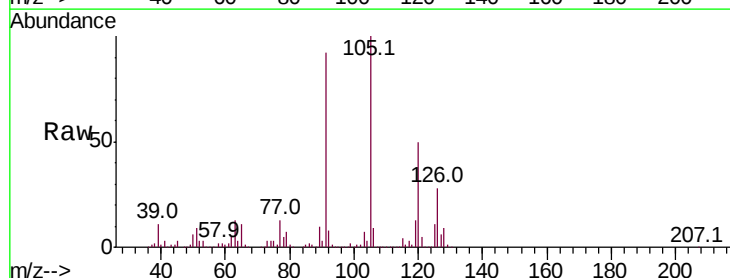
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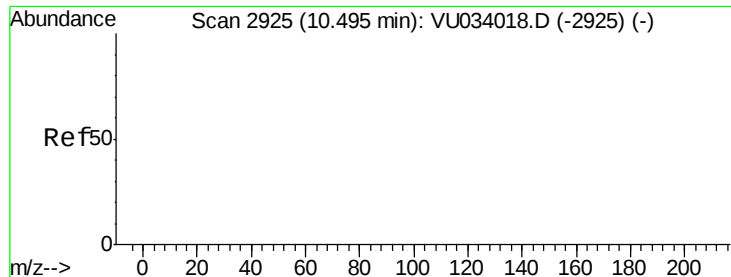
MMDadoda  
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#80  
 1,3,5-Trimethylbenzene  
 Concen: 51.806 ug/l  
 RT: 10.75 min Scan# 3005  
 Delta R.T. -0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

Tgt Ion: 105 Resp: 939485  
 Ion Ratio Lower Upper  
 105 100  
 120 49.6 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 41.451 ug/l m

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU034187.D

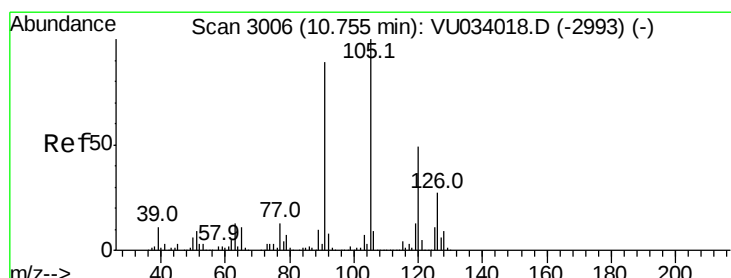
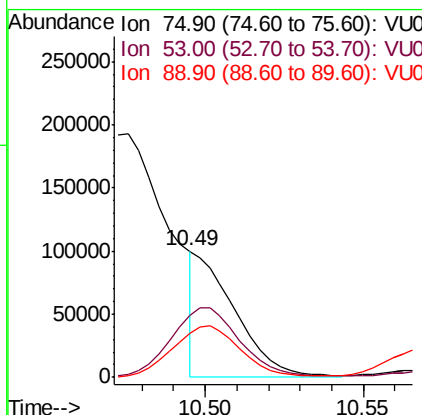
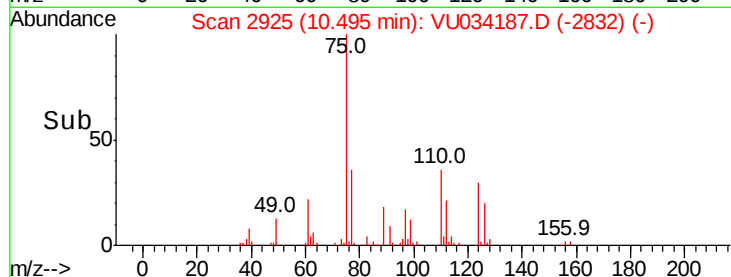
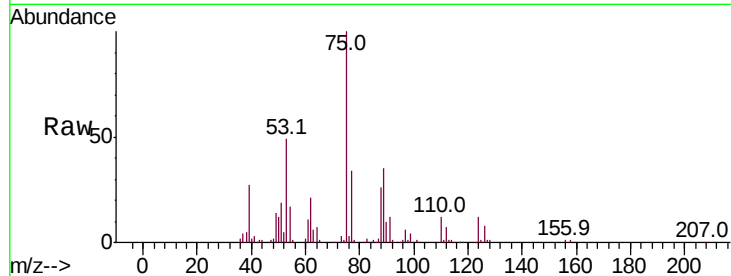
Acq: 02 Sep 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 0.0   | 0.0   | 0.0   |
| 89      | 0.0   | 0.0   | 0.0   |

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#82

4-Chlorotoluene

Concen: 51.454 ug/l

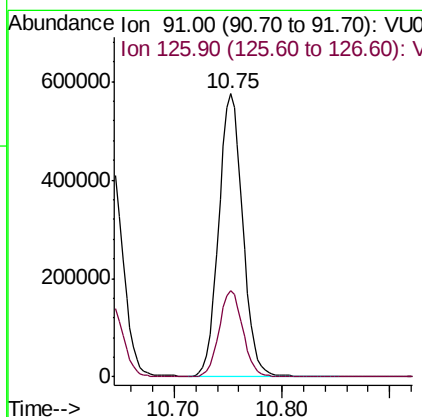
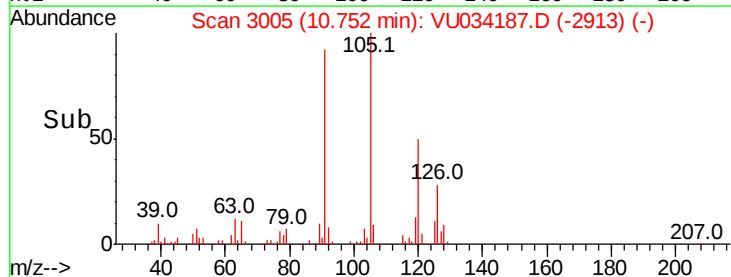
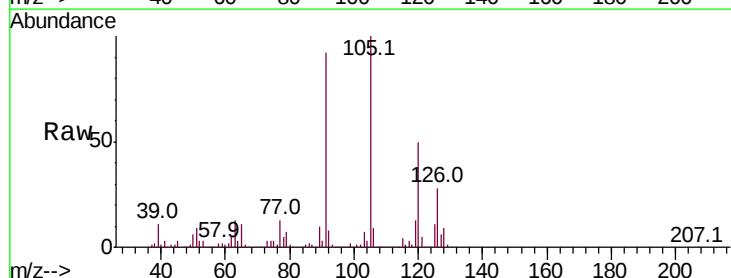
RT: 10.75 min Scan# 3005

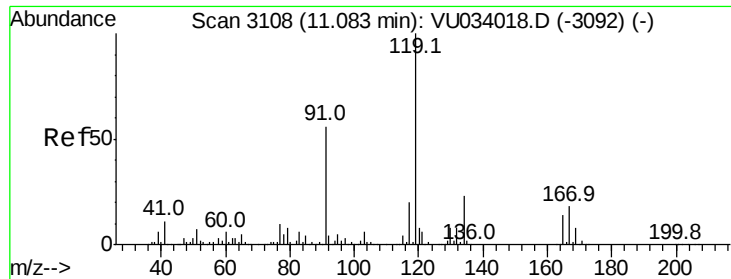
Delta R.T. -0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 30.1  | 15.0  | 45.1  |





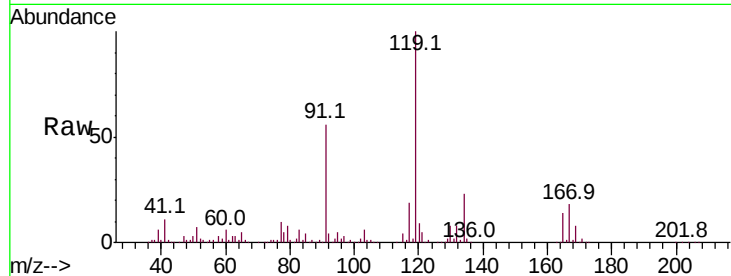
#83  
 tert-Butylbenzene  
 Concen: 49.632 ug/l  
 RT: 11.08 min Scan# 3107  
 Delta R.T. -0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

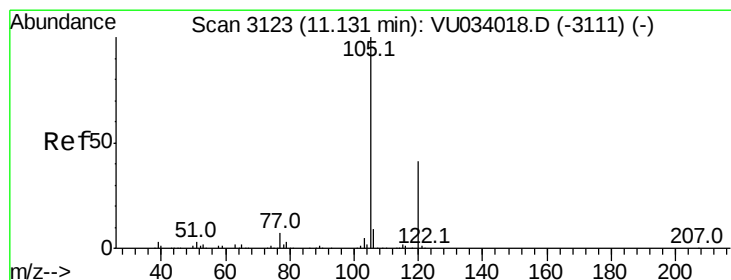
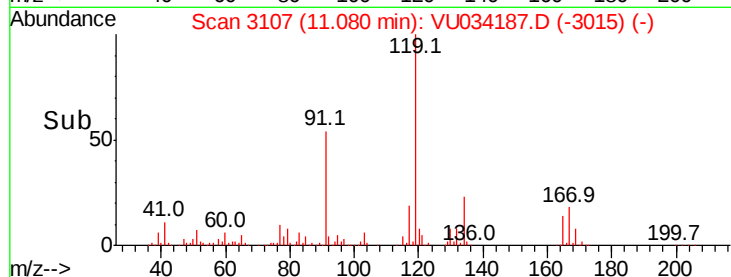
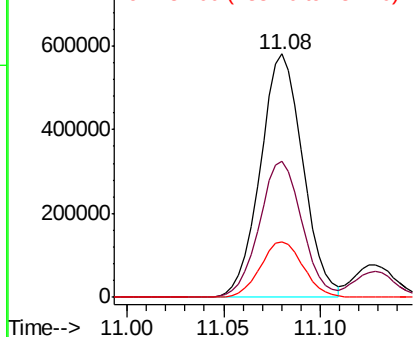
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 886049 |       |       |
| 91      | 56.2  |        | 27.9  | 83.6  |
| 134     | 23.0  |        | 11.4  | 34.2  |

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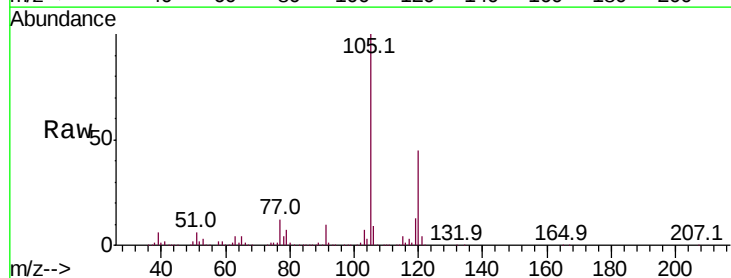


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): V  
 Ion 134.00 (133.70 to 134.70): V

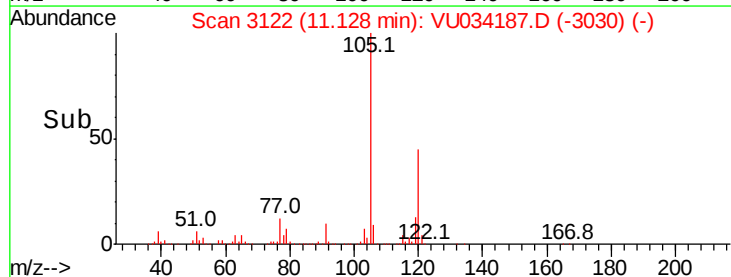
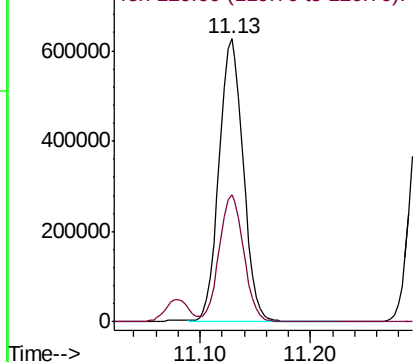


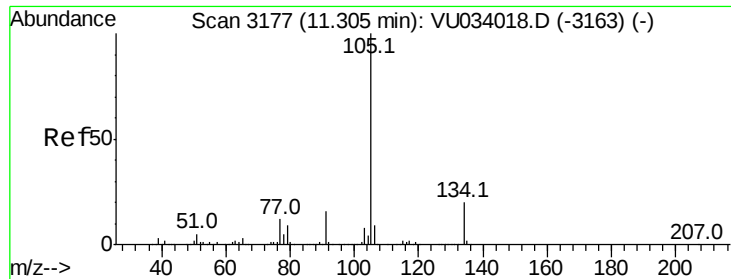
#84  
 1,2,4-Trimethylbenzene  
 Concen: 52.728 ug/l  
 RT: 11.13 min Scan# 3122  
 Delta R.T. -0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 949496 |       |       |
| 120     | 45.4  |        | 22.6  | 67.8  |



Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V





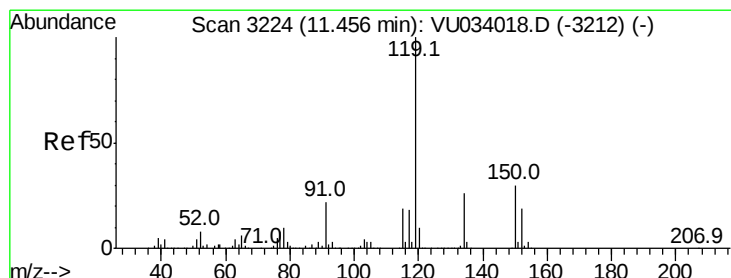
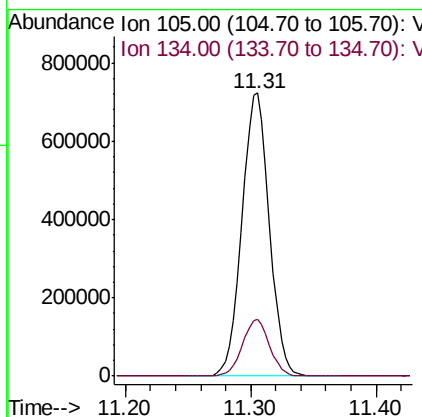
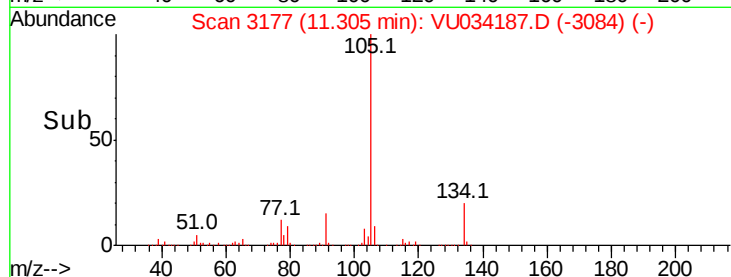
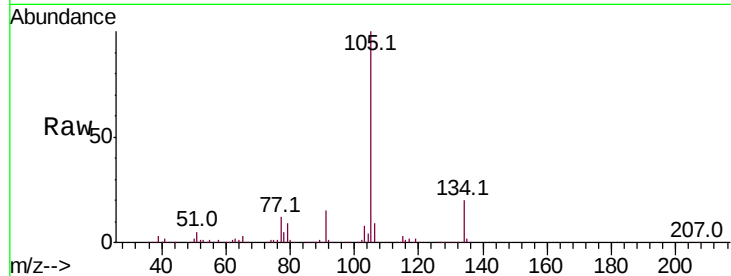
#85  
 sec-Butylbenzene  
 Concen: 51.009 ug/l  
 RT: 11.31 min Scan# 3177  
 Delta R.T. 0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:105 Resp: 1091432  
 Ion Ratio Lower Upper  
 105 100  
 134 19.9 10.0 30.0

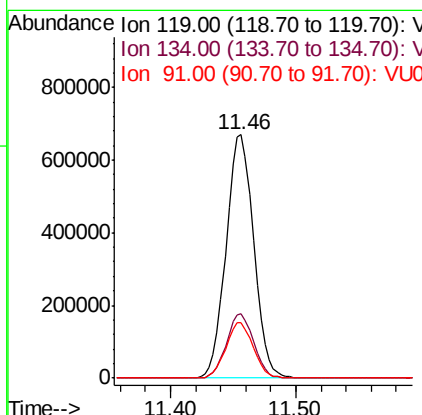
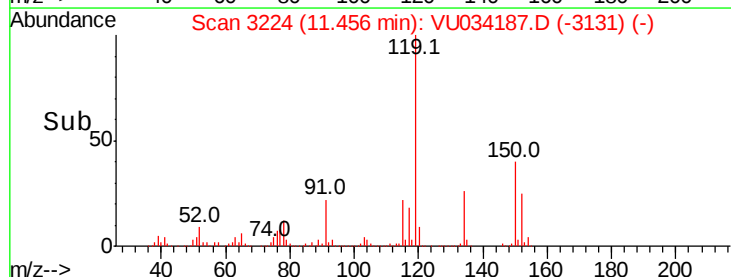
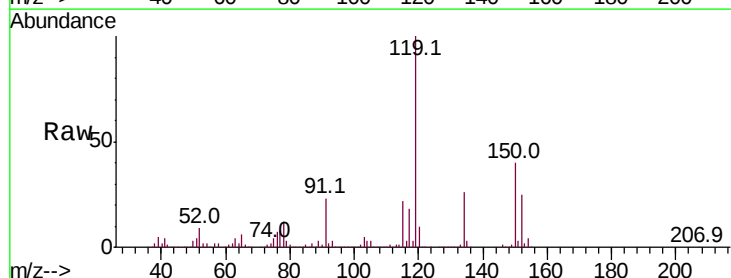
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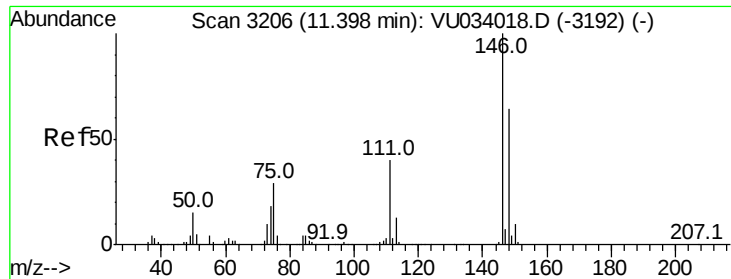
MMDadoda  
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#86  
 p-Isopropyltoluene  
 Concen: 52.537 ug/l  
 RT: 11.46 min Scan# 3224  
 Delta R.T. 0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

Tgt Ion:119 Resp: 1016684  
 Ion Ratio Lower Upper  
 119 100  
 134 26.2 13.1 39.1  
 91 22.6 11.2 33.6





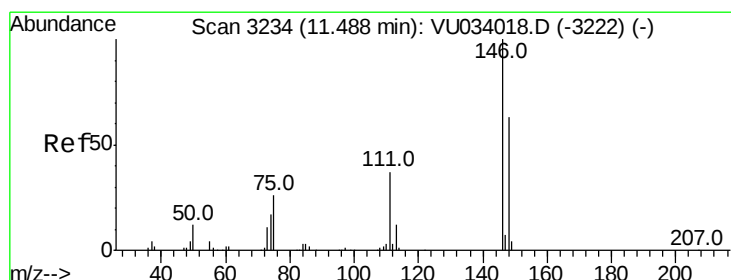
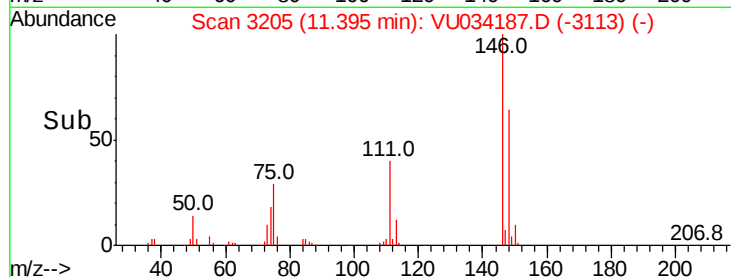
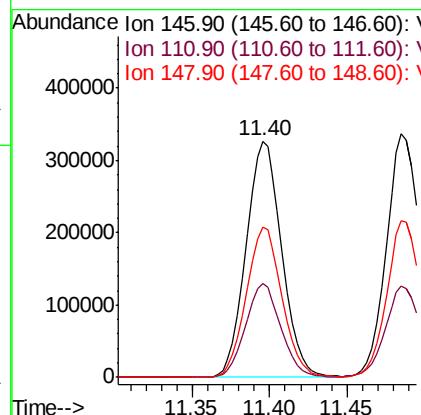
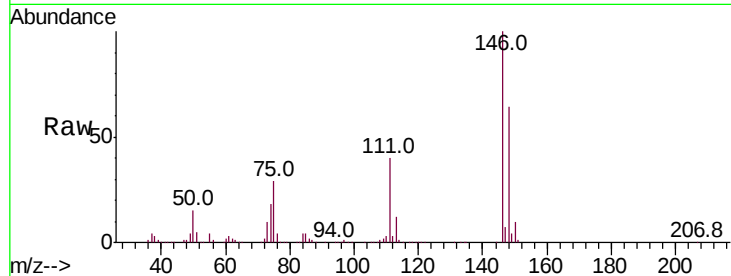
#87  
 1,3-Dichlorobenzene  
 Concen: 51.383 ug/l  
 RT: 11.40 min Scan# 3205  
 Delta R.T. -0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 19.9  | 59.6  |
| 148     | 63.8  | 31.9  | 95.5  |

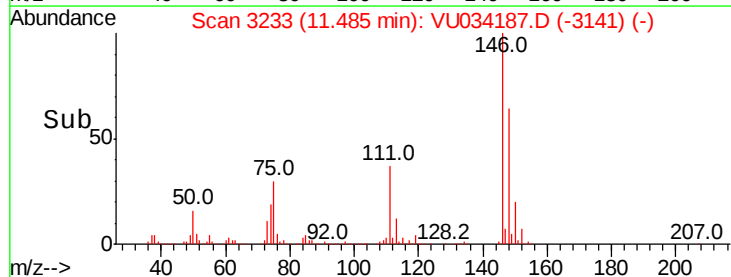
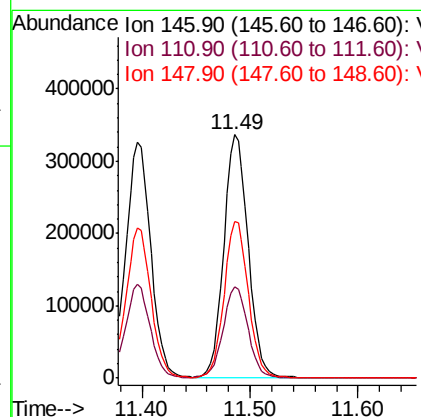
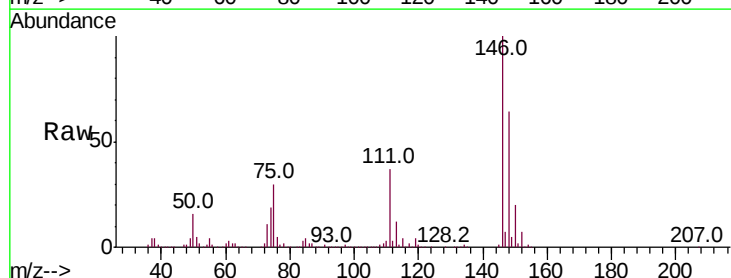
Manual Integrations  
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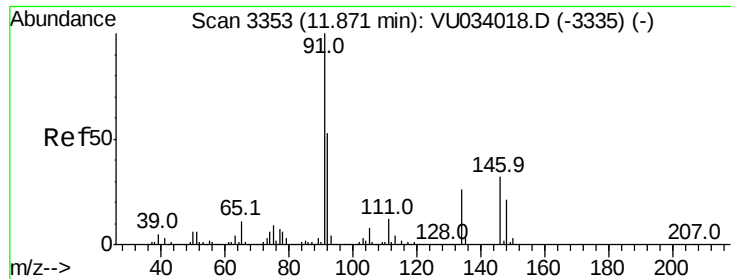
MMDadoda  
 9/3/2019 1:09:24 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 51.150 ug/l  
 RT: 11.49 min Scan# 3233  
 Delta R.T. -0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.3  | 19.2  | 57.6  |
| 148     | 63.8  | 31.9  | 95.9  |





#89

n-Butylbenzene

Concen: 54.570 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

Instrument :

MSVOA\_U

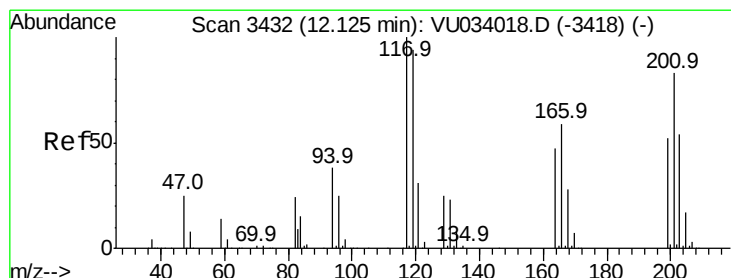
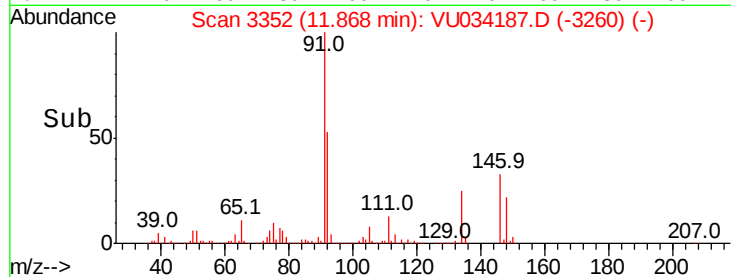
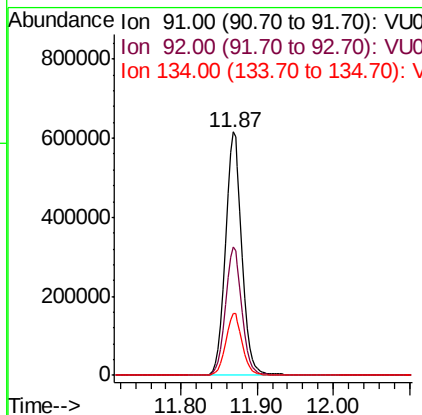
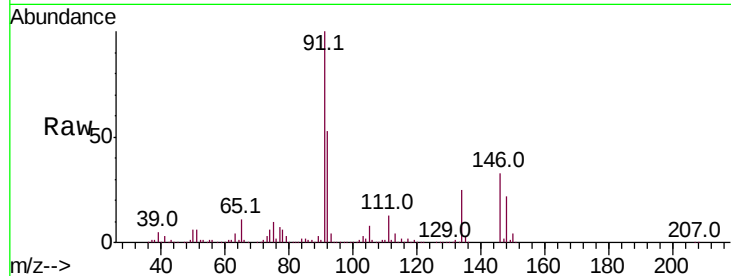
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 91    | Resp: | 931045 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 52.8  | 26.3  | 78.9   |
| 134      | 25.5  | 12.9  | 38.7   |

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#90

Hexachloroethane

Concen: 45.568 ug/l

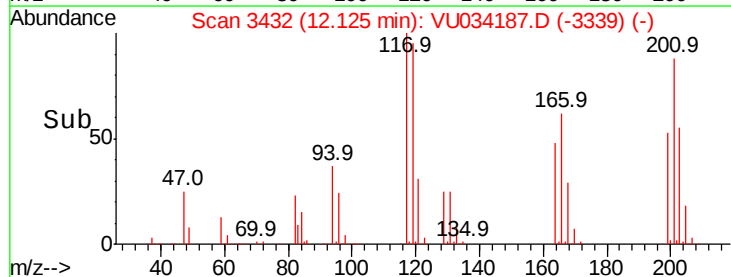
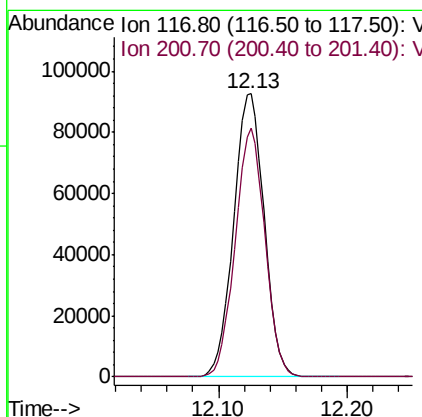
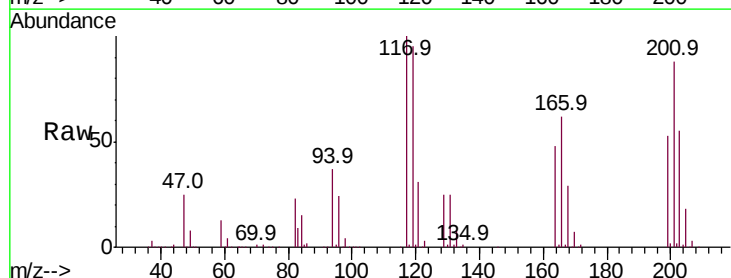
RT: 12.13 min Scan# 3432

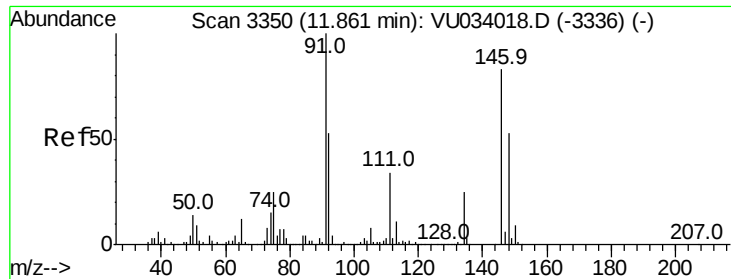
Delta R.T. 0.00 min

Lab File: VU034187.D

Acq: 02 Sep 2019 09:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 152462 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 201      | 85.5  | 42.5  | 127.6  |





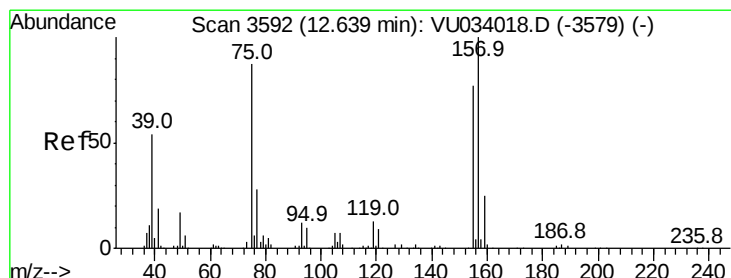
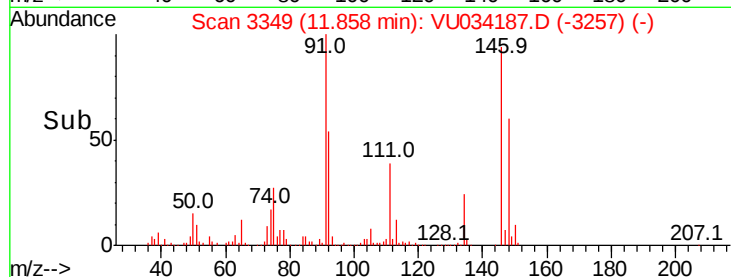
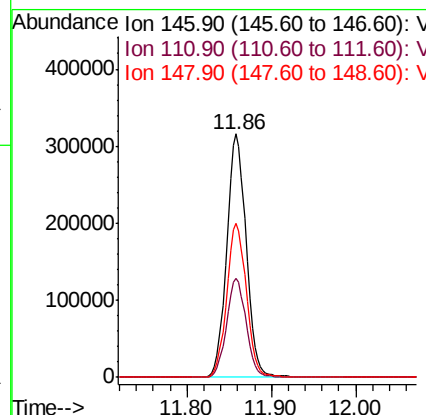
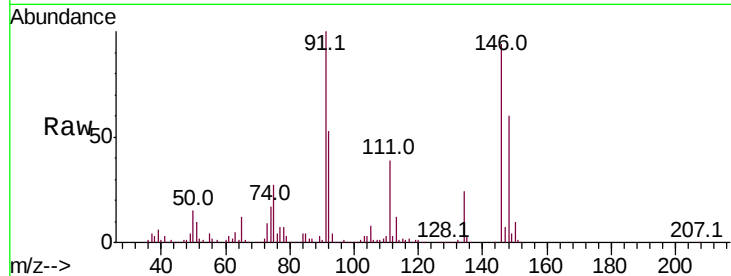
#91  
 1,2-Dichlorobenzene  
 Concen: 51.784 ug/l  
 RT: 11.86 min Scan# 3349  
 Delta R.T. -0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.9  | 20.4  | 61.2  |
| 148     | 64.0  | 32.3  | 96.8  |

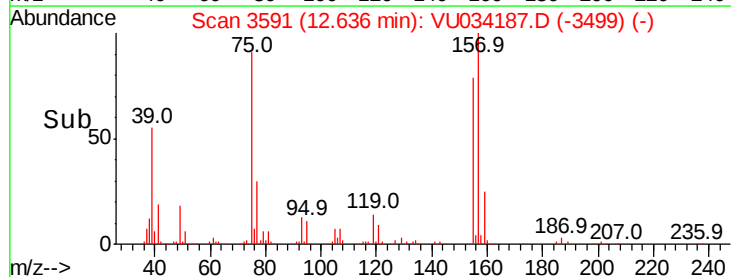
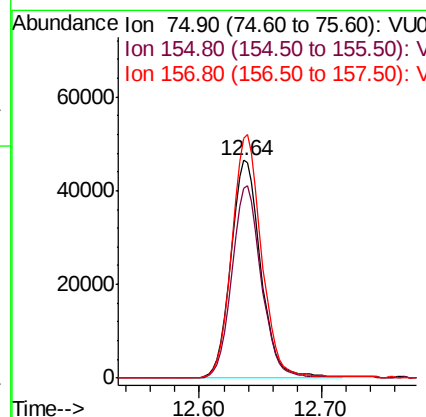
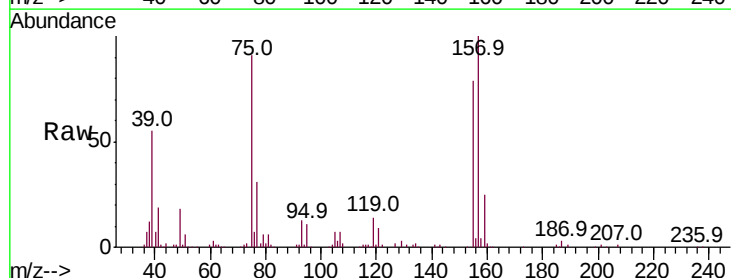
Manual Integrations  
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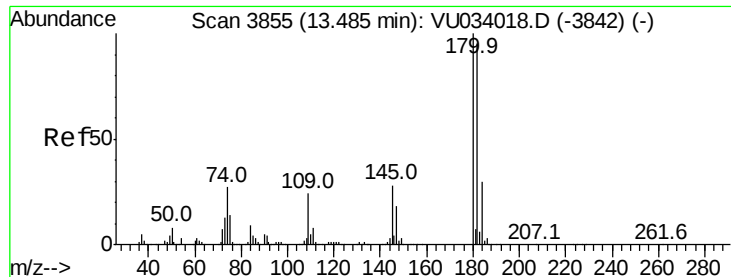
MMDadoda  
 9/3/2019 1:09:24 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 49.143 ug/l  
 RT: 12.64 min Scan# 3591  
 Delta R.T. -0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 86.7  | 43.5  | 130.7 |
| 157     | 109.2 | 56.9  | 170.6 |





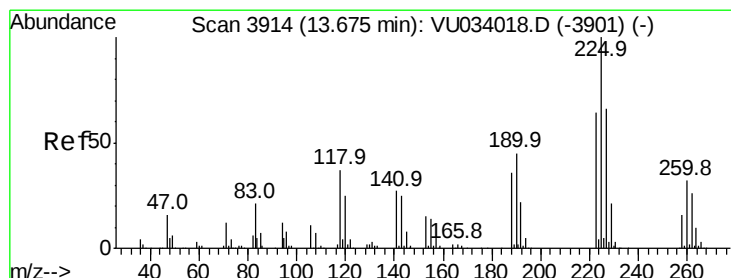
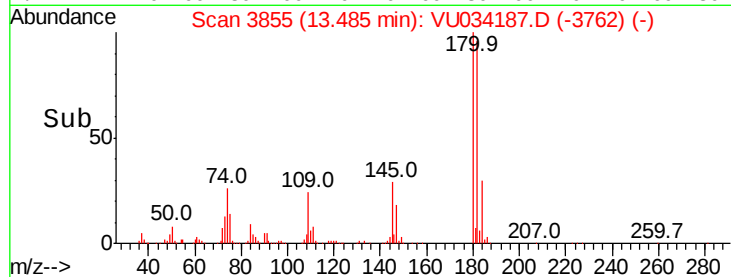
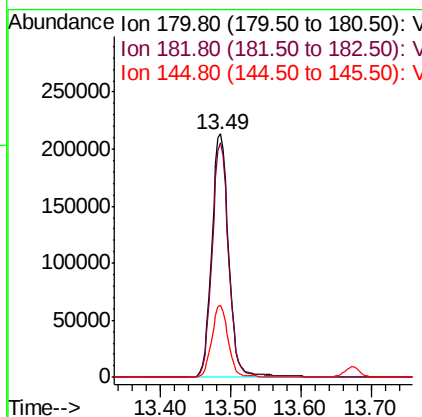
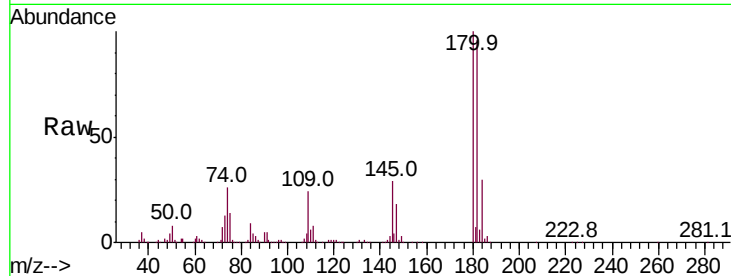
#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.246 ug/l  
 RT: 13.49 min Scan# 3855  
 Delta R.T. 0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 355992 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 93.4  | 47.4  | 142.2  |
| 145       | 28.5  | 14.1  | 42.3   |

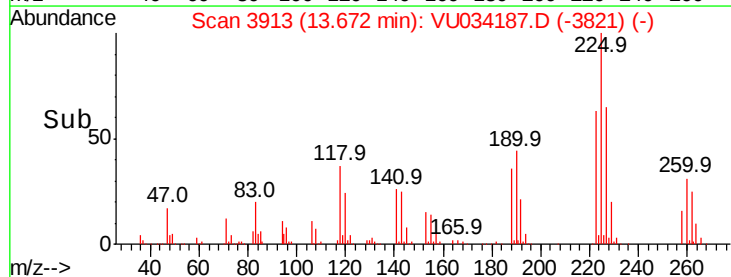
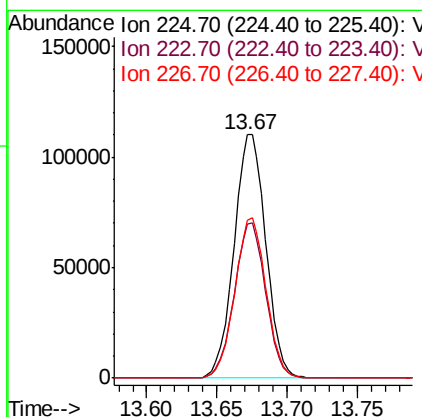
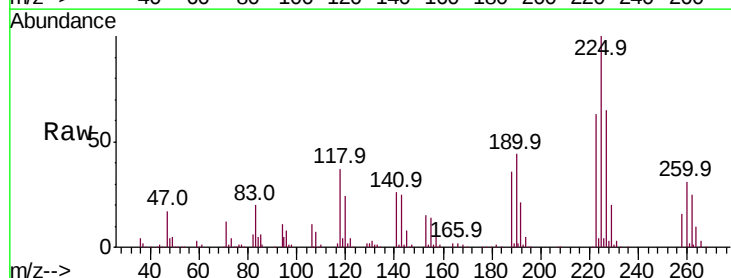
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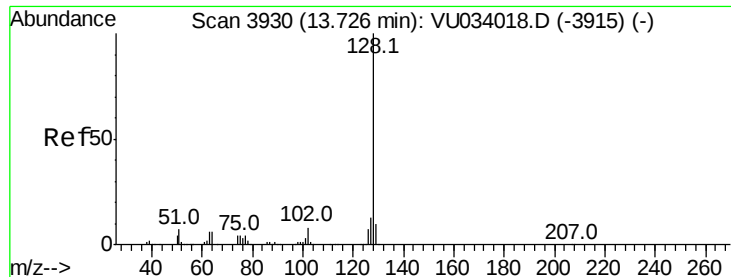
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 45.571 ug/l  
 RT: 13.67 min Scan# 3913  
 Delta R.T. -0.00 min  
 Lab File: VU034187.D  
 Acq: 02 Sep 2019 09:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 174008 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 62.9  | 31.8  | 95.3   |
| 227       | 64.6  | 32.6  | 97.8   |





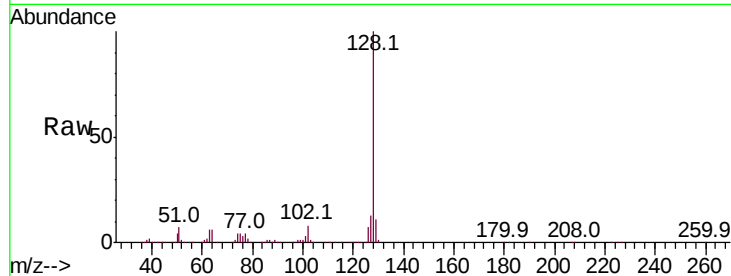
#95  
Naphthalene  
Concen: 48.143 ug/l  
RT: 13.72 min Scan# 3929  
Delta R.T. -0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

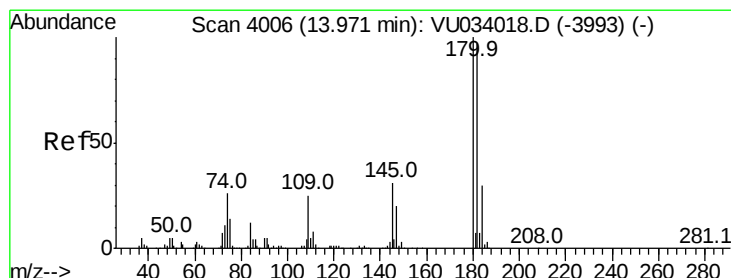
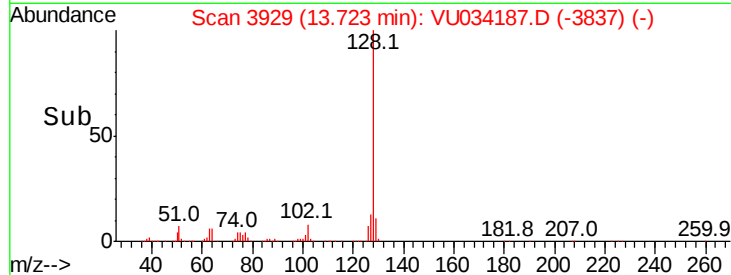
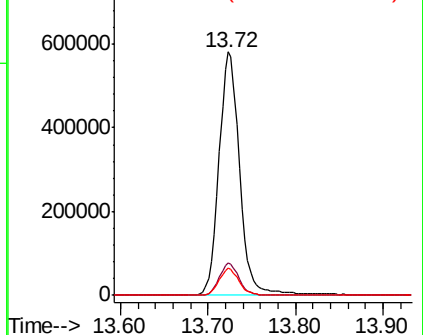
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 955854 |       |       |
| 127     | 12.7  | 10.2   | 15.4  |       |
| 129     | 10.6  | 8.4    | 12.6  |       |

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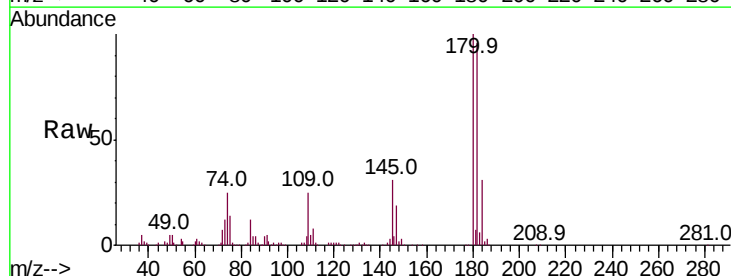


Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96  
1,2,3-Trichlorobenzene  
Concen: 54.917 ug/l  
RT: 13.97 min Scan# 4005  
Delta R.T. -0.00 min  
Lab File: VU034187.D  
Acq: 02 Sep 2019 09:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 343379 |       |       |
| 182     | 95.4  | 48.2   | 144.6 |       |
| 145     | 30.8  | 15.5   | 46.5  |       |



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

