

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011619\  
 Data File : VU029195.D  
 Acq On : 16 Jan 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  
 1/17/2019 9:43:26 AM

Quant Time: Jan 17 01:03:33 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U010319W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 12 01:33:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.98  | 168  | 115210   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.88  | 114  | 177986   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 172202   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 92013    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.31   | 65  | 72952    | 51.22 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.44% |      |
| 35) Dibromofluoromethane  | 4.88   | 113 | 63147    | 54.73 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.46% |      |
| 50) Toluene-d8            | 7.56   | 98  | 242622   | 53.27 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.54% |      |
| 62) 4-Bromofluorobenzene  | 10.30  | 95  | 88469    | 54.05 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.10% |      |

## Target Compounds

|                               |      |     |        |         | Qvalue |     |
|-------------------------------|------|-----|--------|---------|--------|-----|
| 2) Dichlorodifluoromethane    | 1.21 | 85  | 52181  | 45.671  | ug/l   | 99  |
| 3) Chloromethane              | 1.33 | 50  | 75158  | 41.089  | ug/l   | 100 |
| 4) Vinyl Chloride             | 1.40 | 62  | 77080  | 45.779  | ug/l   | 99  |
| 5) Bromomethane               | 1.61 | 94  | 41980  | 48.398  | ug/l   | 98  |
| 6) Chloroethane               | 1.68 | 64  | 45322  | 45.191  | ug/l   | 100 |
| 7) Trichlorofluoromethane     | 1.88 | 101 | 86617  | 47.210  | ug/l   | 100 |
| 8) Diethyl Ether              | 2.10 | 74  | 41040  | 46.560  | ug/l   | 91  |
| 9) 1,1,2-Trichlorotrifluoroet | 2.28 | 101 | 58438  | 47.604  | ug/l   | 98  |
| 10) Methyl Iodide             | 2.41 | 142 | 59394  | 51.456  | ug/l   | 99  |
| 11) Tert butyl alcohol        | 2.83 | 59  | 87831  | 242.616 | ug/l   | 99  |
| 12) 1,1-Dichloroethene        | 2.28 | 96  | 54166  | 45.331  | ug/l   | 95  |
| 13) Acrolein                  | 2.19 | 56  | 60281  | 221.756 | ug/l   | 99  |
| 14) Allyl chloride            | 2.59 | 41  | 97681  | 44.554  | ug/l   | 90  |
| 15) Acrylonitrile             | 2.93 | 53  | 223528 | 251.678 | ug/l   | 99  |
| 16) Acetone                   | 2.32 | 43  | 254340 | 283.481 | ug/l   | 97  |
| 17) Carbon Disulfide          | 2.47 | 76  | 174223 | 43.964  | ug/l   | 99  |
| 18) Methyl Acetate            | 2.61 | 43  | 113563 | 54.437  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether   | 3.00 | 73  | 206569 | 49.172  | ug/l   | 97  |
| 20) Methylene Chloride        | 2.70 | 84  | 72358  | 47.501  | ug/l   | 98  |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96  | 64419  | 46.403  | ug/l   | 96  |
| 22) Diisopropyl ether         | 3.57 | 45  | 221875 | 51.205  | ug/l   | 98  |
| 23) Vinyl Acetate             | 3.52 | 43  | 900998 | 254.355 | ug/l   | 99  |
| 24) 1,1-Dichloroethane        | 3.44 | 63  | 126831 | 50.705  | ug/l   | 100 |
| 25) 2-Butanone                | 4.26 | 43  | 329028 | 271.519 | ug/l   | 98  |
| 26) 2,2-Dichloropropane       | 4.22 | 77  | 102638 | 50.782  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene    | 4.22 | 96  | 76159  | 50.159  | ug/l   | 99  |
| 28) Bromochloromethane        | 4.54 | 49  | 55836  | 52.131  | ug/l   | 97  |
| 29) Tetrahydrofuran           | 4.63 | 42  | 184074 | 250.448 | ug/l   | 99  |
| 30) Chloroform                | 4.67 | 83  | 122782 | 51.535  | ug/l   | 98  |
| 31) Cyclohexane               | 4.99 | 56  | 111355 | 47.095  | ug/l   | 97  |
| 32) 1,1,1-Trichloroethane     | 4.91 | 97  | 98218  | 49.892  | ug/l   | 98  |
| 36) 1,1-Dichloropropene       | 5.13 | 75  | 92557  | 52.026  | ug/l   | 98  |
| 37) Ethyl Acetate             | 4.38 | 43  | 104889 | 53.712  | ug/l   | 99  |
| 38) Carbon Tetrachloride      | 5.13 | 117 | 80734  | 54.410  | 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  
 1/17/2019 9:43:26 AM

Quant Time: Jan 17 01:03:33 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U010319W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 12 01:33:59 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 6.41  | 83   | 111772   | 51.105   | ug/l   | 98       |
| 40) Benzene                    | 5.39  | 78   | 285401   | 51.430   | ug/l   | 98       |
| 41) Methacrylonitrile          | 4.54  | 41   | 58188    | 55.666   | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 5.40  | 62   | 91286    | 54.743   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 5.54  | 43   | 162339   | 54.193   | ug/l   | 99       |
| 44) Trichloroethene            | 6.18  | 130  | 68801    | 50.038   | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 79229    | 54.064   | ug/l   | 99       |
| 46) Dibromomethane             | 6.56  | 93   | 50586    | 53.998   | ug/l   | 98       |
| 47) Bromodichloromethane       | 6.75  | 83   | 96547    | 55.975   | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.62  | 41   | 81347    | 55.770   | ug/l   | 99       |
| 49) 1,4-Dioxane                | 6.61  | 88   | 41380    | 1197.091 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 560152   | 274.764  | ug/l   | 99       |
| 52) Toluene                    | 7.63  | 92   | 177257   | 52.469   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 110152   | 53.162   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 121336   | 54.194   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 8.06  | 97   | 73421    | 54.250   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 112167   | 53.796   | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 8.24  | 76   | 125845   | 54.342   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 7.12  | 63   | 240514   | 262.293  | ug/l   | 99       |
| 59) 2-Hexanone                 | 8.36  | 43   | 455486   | 284.629  | ug/l   | 99       |
| 60) Dibromochloromethane       | 8.47  | 129  | 73154    | 54.559   | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 8.58  | 107  | 77398    | 52.730   | ug/l   | 99       |
| 64) Tetrachloroethene          | 8.22  | 164  | 62760    | 50.594   | ug/l   | 97       |
| 65) Chlorobenzene              | 9.12  | 112  | 194391   | 50.361   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 67433    | 53.832   | ug/l   | 100      |
| 67) Ethyl Benzene              | 9.25  | 91   | 336160   | 52.163   | ug/l   | 99       |
| 68) m/p-Xylenes                | 9.37  | 106  | 260939   | 104.210  | ug/l   | 99       |
| 69) o-Xylene                   | 9.78  | 106  | 125643   | 52.076   | ug/l   | 99       |
| 70) Styrene                    | 9.79  | 104  | 211875   | 53.569   | ug/l   | 99       |
| 71) Bromoform                  | 9.96  | 173  | 58908    | 52.815   | ug/l # | 96       |
| 73) Isopropylbenzene           | 10.16 | 105  | 331063   | 48.610   | ug/l   | 99       |
| 74) N-amyl acetate             | 10.01 | 43   | 144136   | 49.113   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 131764   | 48.273   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 10.49 | 75   | 105931m  | 46.987   | ug/l   |          |
| 77) Bromobenzene               | 10.45 | 156  | 84286    | 47.490   | ug/l   | 98       |
| 78) n-propylbenzene            | 10.58 | 91   | 405244   | 50.491   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 234205   | 48.104   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 284266   | 49.982   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 10.51 | 75   | 45587m   | 52.150   | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 275385   | 49.327   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.10 | 119  | 275018   | 49.061   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 288151   | 50.746   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.32 | 105  | 347995   | 51.331   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 11.47 | 119  | 303305   | 52.503   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 11.41 | 146  | 157741   | 48.455   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 11.50 | 146  | 158318   | 47.114   | ug/l   | 99       |
| 89) n-Butylbenzene             | 11.89 | 91   | 292619   | 56.752   | ug/l   | 100      |
| 90) Hexachloroethane           | 12.14 | 117  | 49290    | 50.718   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 155959   | 47.563   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.65 | 75   | 26324    | 50.141   | ug/l   | 98       |

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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

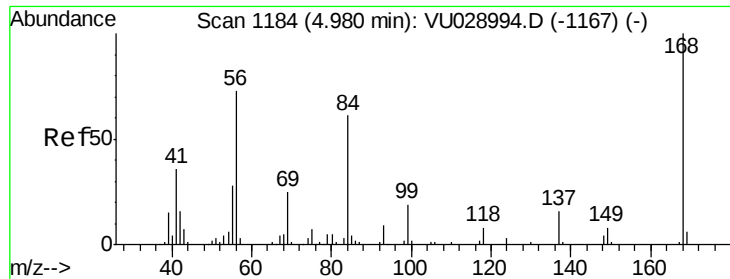
MMDadoda  
1/17/2019 9:43:26 AM

Quant Time: Jan 17 01:03:33 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U010319W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jan 12 01:33:59 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.50 | 180  | 108156   | 51.672 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.69 | 225  | 53688    | 56.078 | ug/l  | 99       |
| 95) Naphthalene            | 13.74 | 128  | 339254   | 47.645 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 13.98 | 180  | 108361   | 50.284 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 115210

Ion Ratio Lower Upper

168 100

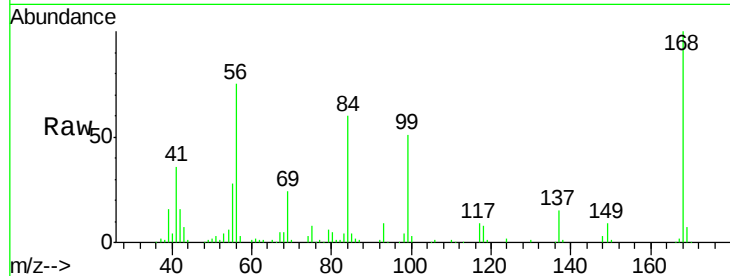
99 50.6 42.0 63.0

Manual Integrations

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1/17/2019 9:43:26 AM



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

50000

40000

30000

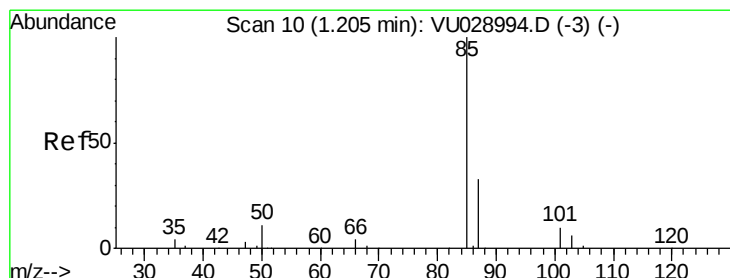
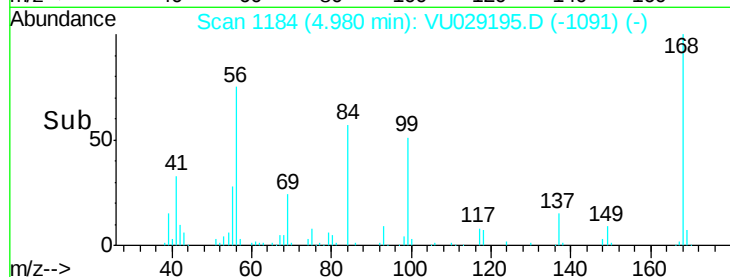
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.671 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029195.D

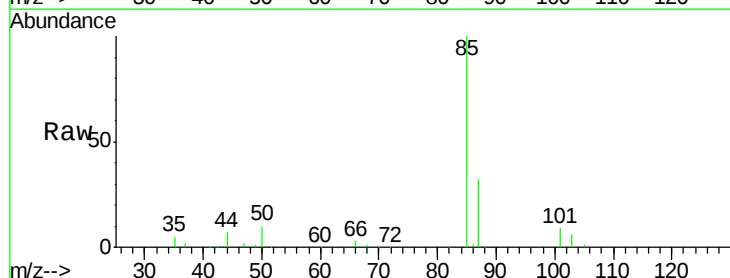
Acq: 16 Jan 2019 09:13

Tgt Ion: 85 Resp: 52181

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028994.D (-3) (-)

1.21

60000

50000

40000

30000

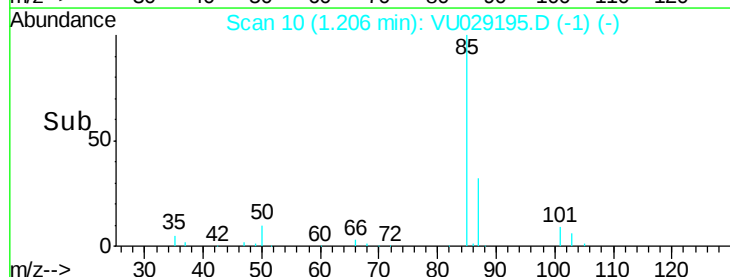
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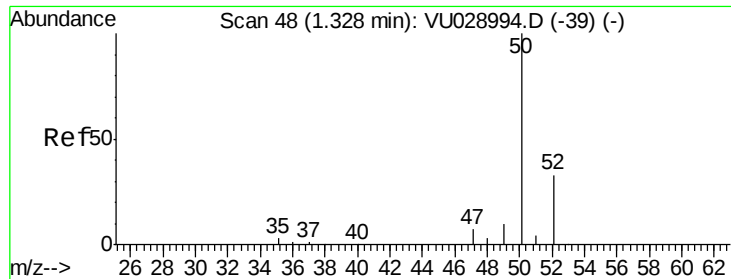
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 41.089 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 75158

Ion Ratio Lower Upper

50 100

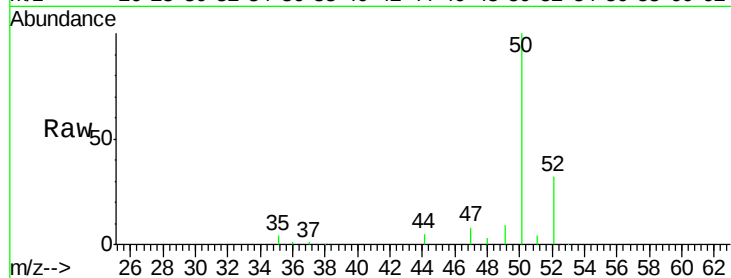
52 32.5 26.1 39.1

Manual Integrations

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1/17/2019 9:43:26 AM



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

80000

60000

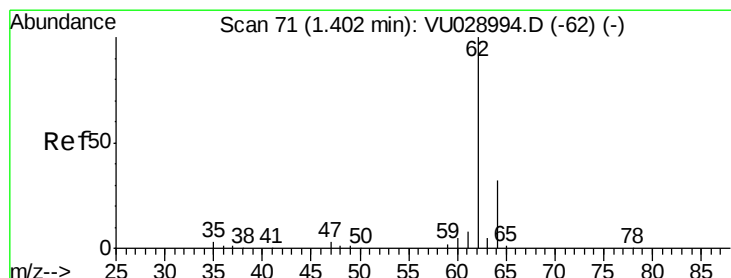
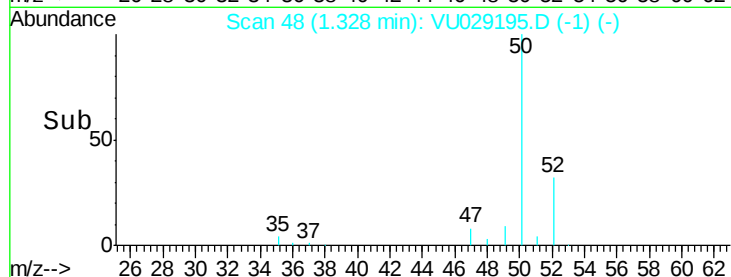
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 45.779 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029195.D

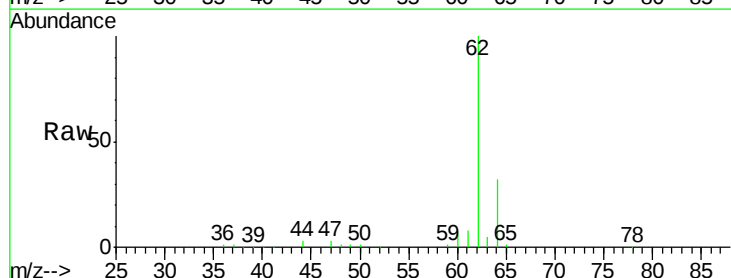
Acq: 16 Jan 2019 09:13

Tgt Ion: 62 Resp: 77080

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

80000

60000

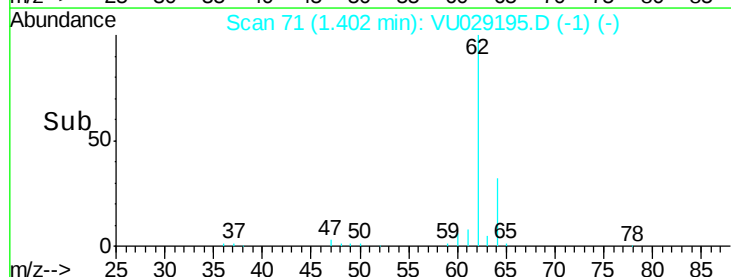
40000

20000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 48.398 ug/l

RT: 1.61 min Scan# 135

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 41980

Ion Ratio Lower Upper

94 100

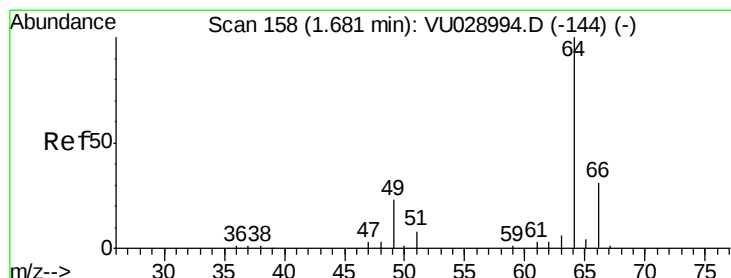
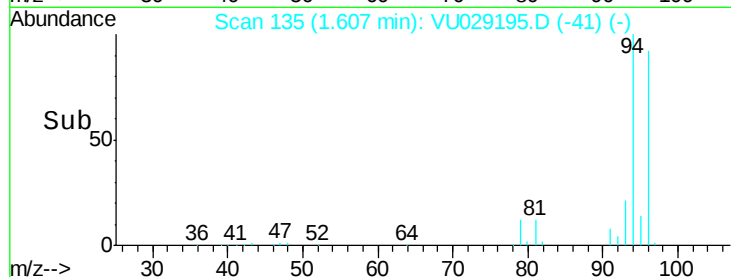
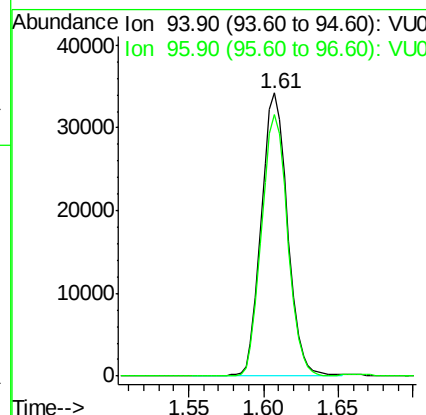
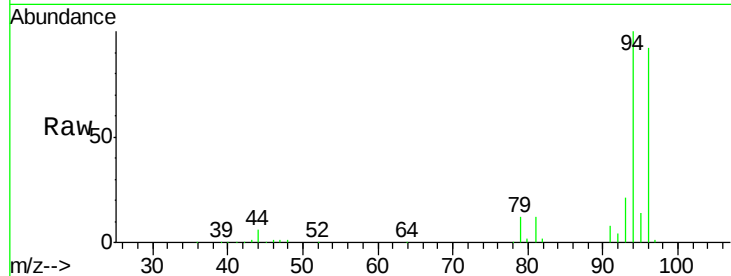
96 92.4 75.5 113.3

Manual Integrations

APPROVED

MMDadoda

1/17/2019 9:43:26 AM



#6

Chloroethane

Concen: 45.191 ug/l

RT: 1.68 min Scan# 159

Delta R.T. 0.00 min

Lab File: VU029195.D

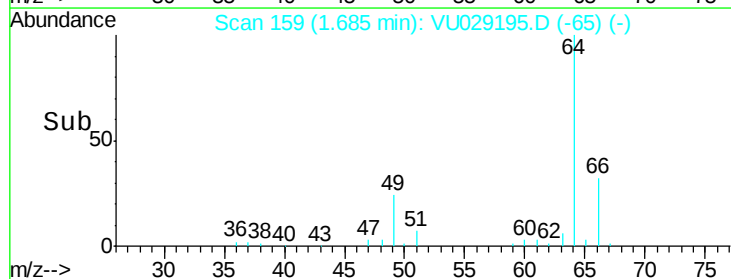
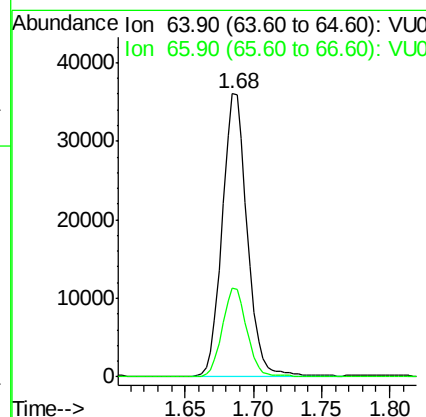
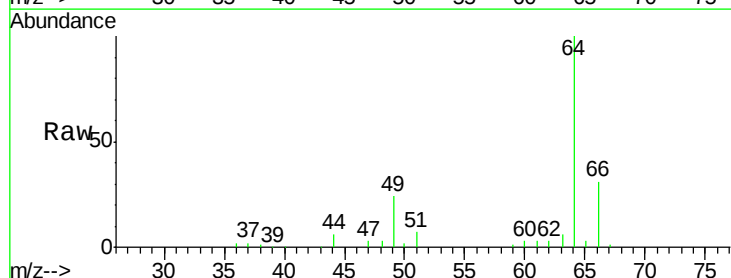
Acq: 16 Jan 2019 09:13

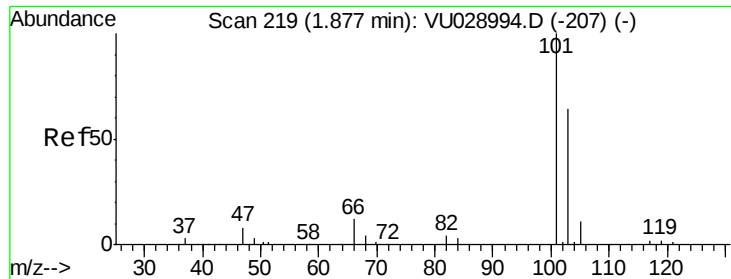
Tgt Ion: 64 Resp: 45322

Ion Ratio Lower Upper

64 100

66 31.6 25.2 37.8





#7

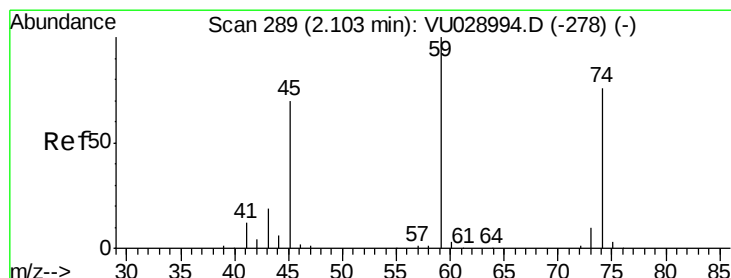
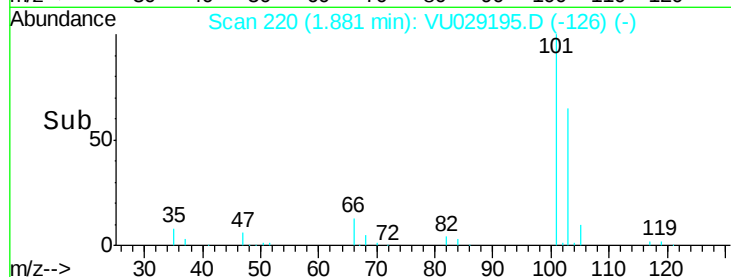
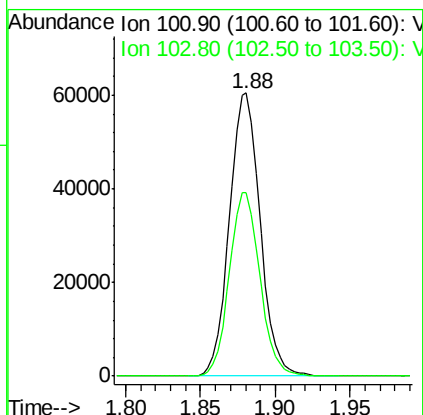
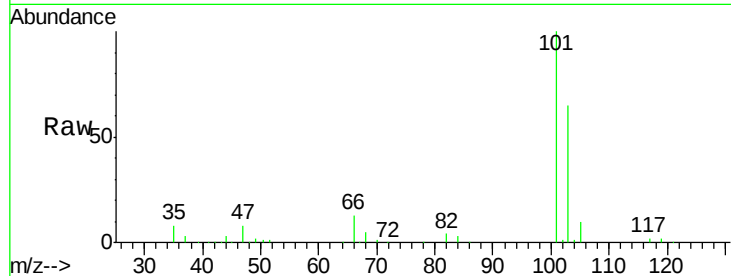
Trichlorofluoromethane  
Concen: 47.210 ug/l  
RT: 1.88 min Scan# 220  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tot Ion:101 Resp: 86617  
Ion Ratio Lower Upper  
101 100  
103 64.7 51.5 77.3

Manual Integrations  
APPROVED

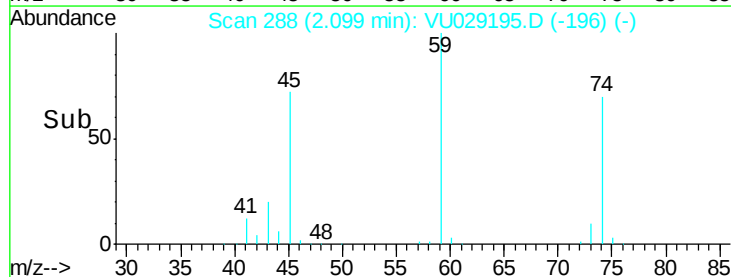
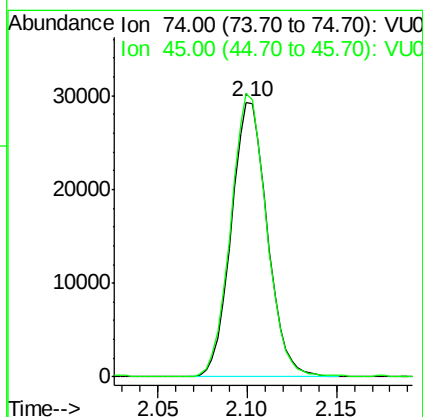
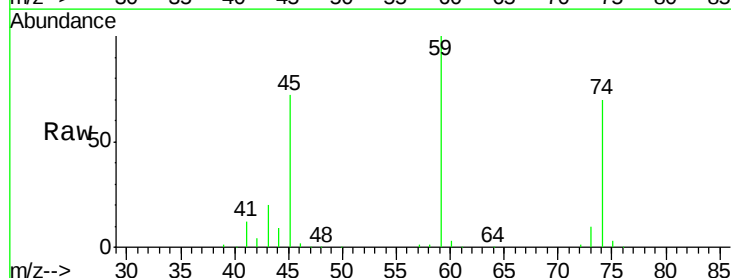
MMDadoda  
1/17/2019 9:43:26 AM

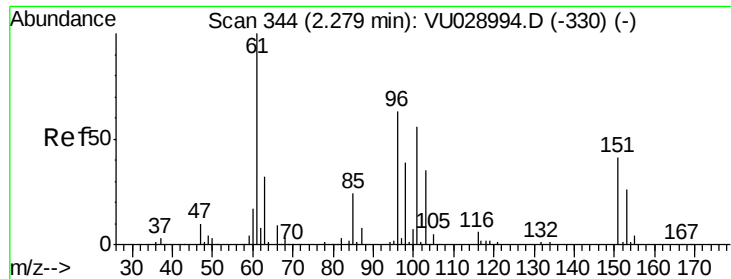


#8

Diethyl Ether  
Concen: 46.560 ug/l  
RT: 2.10 min Scan# 288  
Delta R.T. -0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Tgt Ion: 74 Resp: 41040  
Ion Ratio Lower Upper  
74 100  
45 102.8 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.604 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

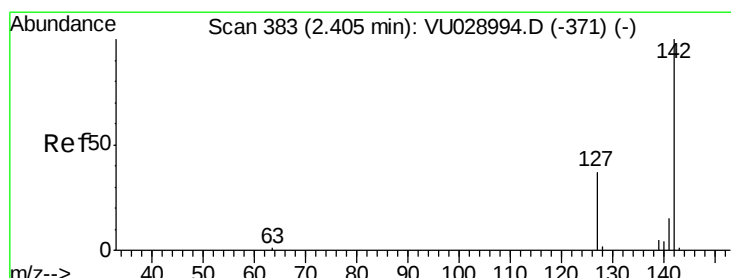
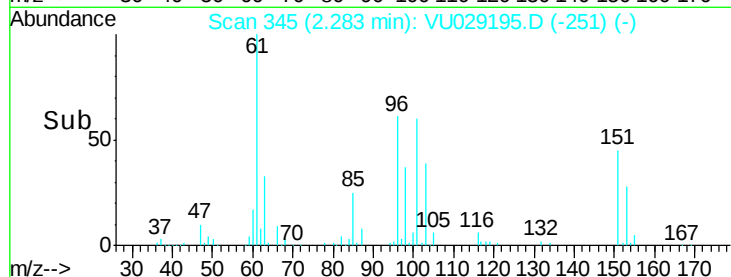
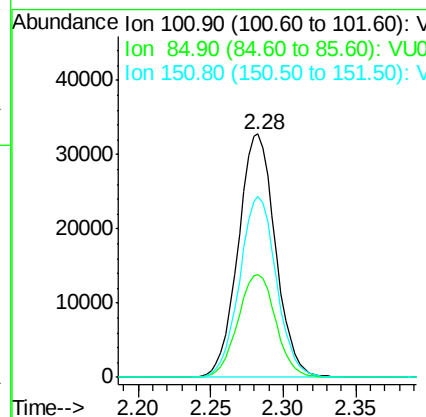
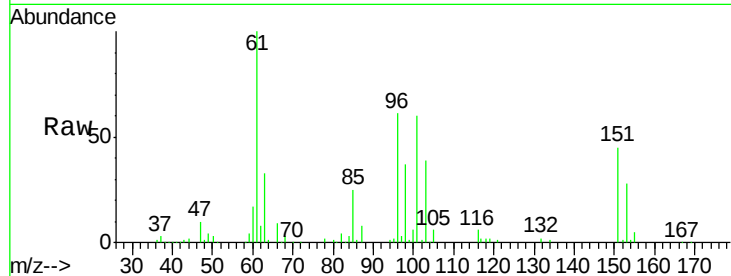
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 58438 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 42.9  | 35.1  | 52.7  |
| 151       | 73.5  | 60.2  | 90.2  |

Manual Integrations  
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1/17/2019 9:43:26 AM



#10

Methyl Iodide

Concen: 51.456 ug/l

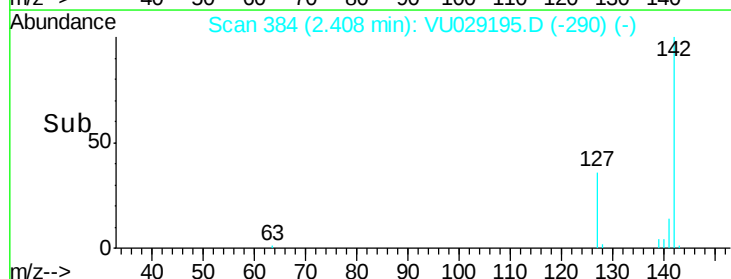
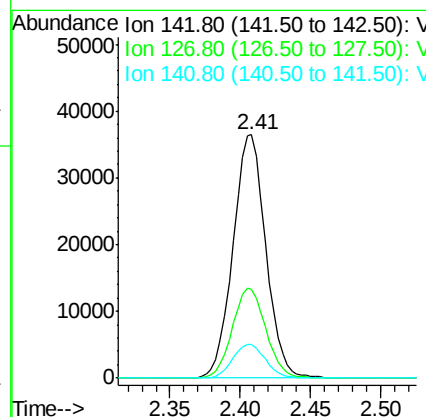
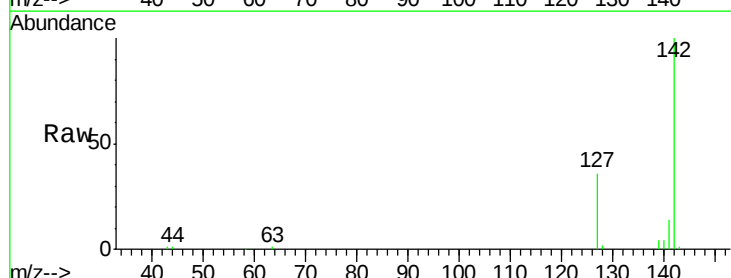
RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 59394 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 37.8  | 29.8  | 44.6  |
| 141       | 13.9  | 11.5  | 17.3  |





#11

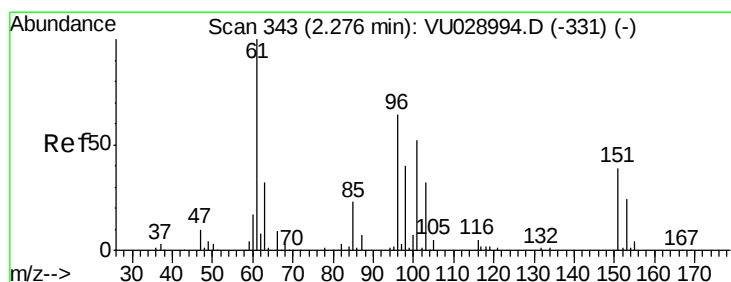
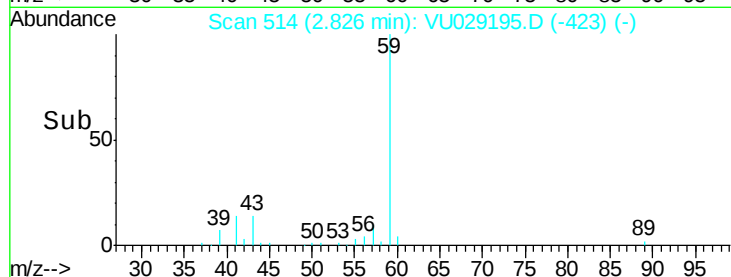
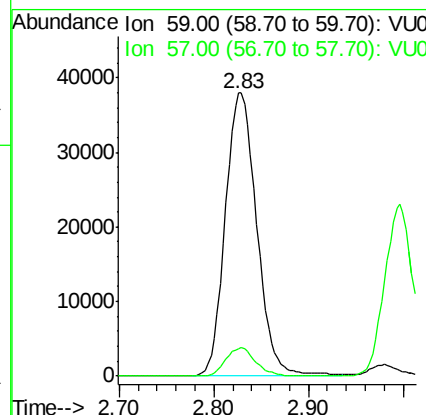
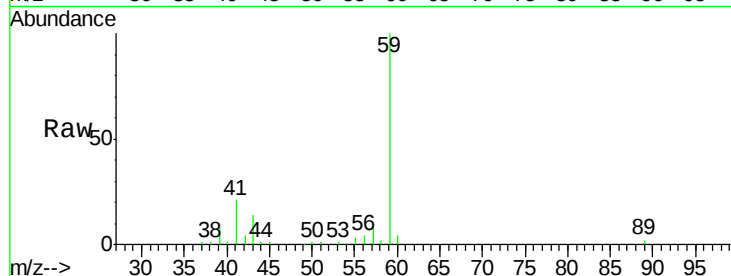
Tert butyl alcohol  
 Concen: 242.616 ug/l  
 RT: 2.83 min Scan# 514  
 Delta R.T. -0.01 min  
 Lab File: VU029195.D  
 Acq: 16 Jan 2019 09:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | 59  | Resp | Lower | Upper |
|---------|-----|------|-------|-------|
| 59      | 100 |      |       |       |
| 57      | 9.5 | 7.9  | 11.9  |       |

Manual Integrations  
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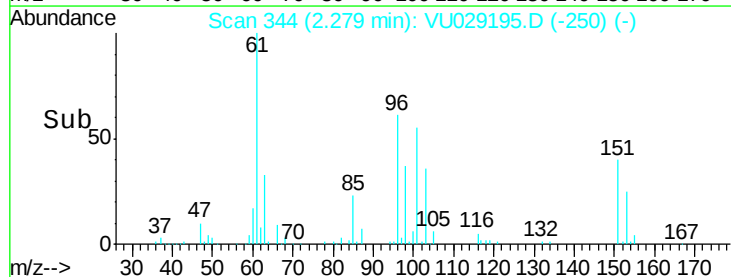
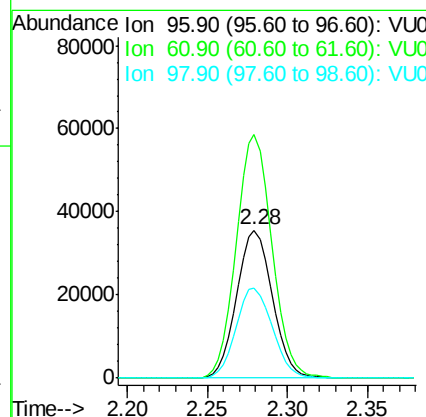
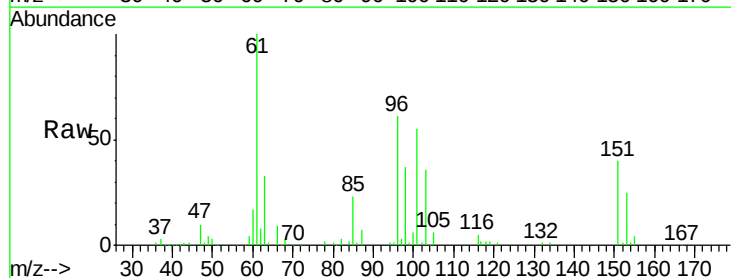
MMDadoda  
 1/17/2019 9:43:26 AM

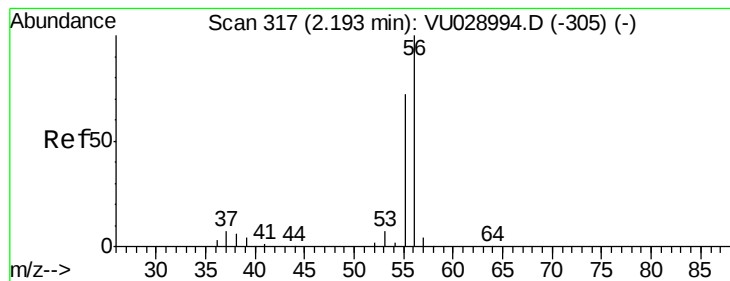


#12

1,1-Dichloroethene  
 Concen: 45.331 ug/l  
 RT: 2.28 min Scan# 344  
 Delta R.T. 0.00 min  
 Lab File: VU029195.D  
 Acq: 16 Jan 2019 09:13

| Tgt Ion | 96    | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   |       |       |       |
| 61      | 164.3 | 125.4 | 188.0 |       |
| 98      | 60.6  | 49.7  | 74.5  |       |





#13

Acrolein

Concen: 221.756 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 60281

Ion Ratio Lower Upper

56 100

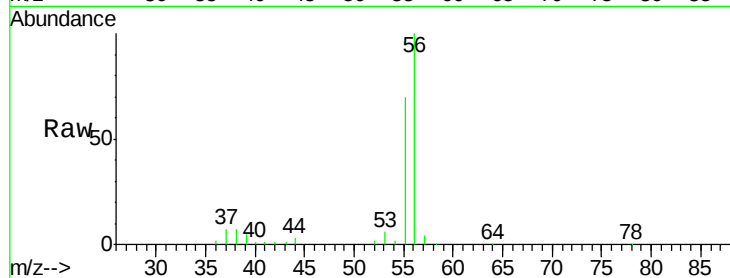
55 71.4 56.5 84.7

Manual Integrations

APPROVED

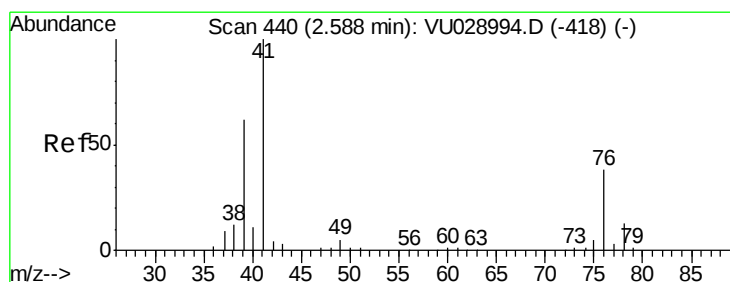
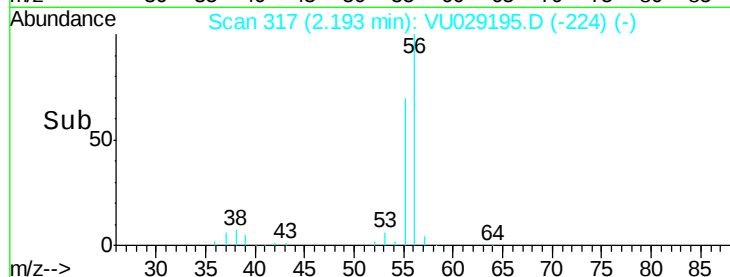
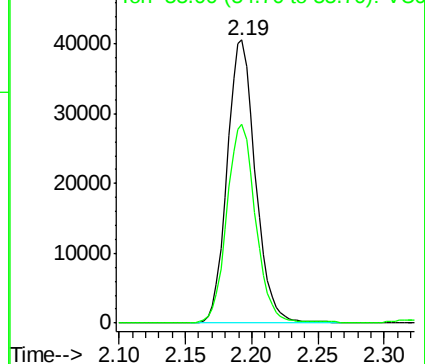
MMDadoda

1/17/2019 9:43:26 AM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 44.554 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

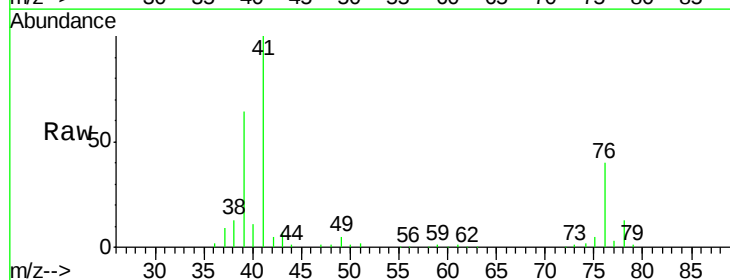
Tgt Ion: 41 Resp: 97681

Ion Ratio Lower Upper

41 100

39 64.9 45.0 67.6

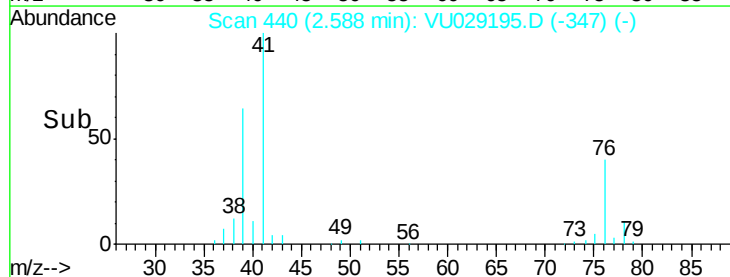
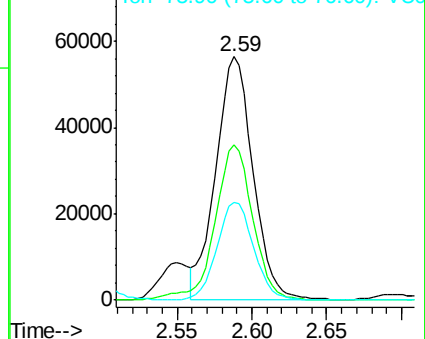
76 39.6 28.1 42.1

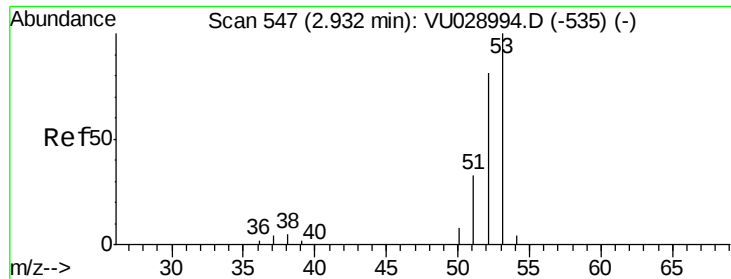


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 251.678 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

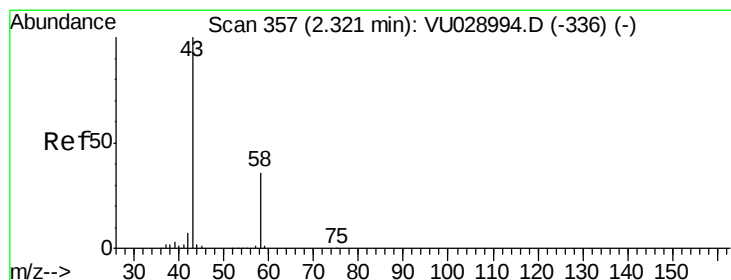
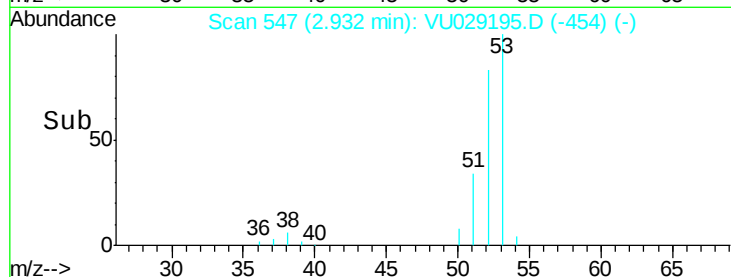
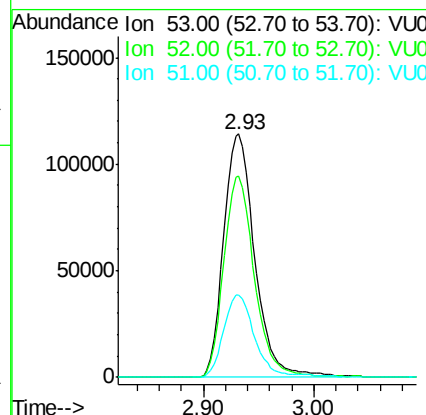
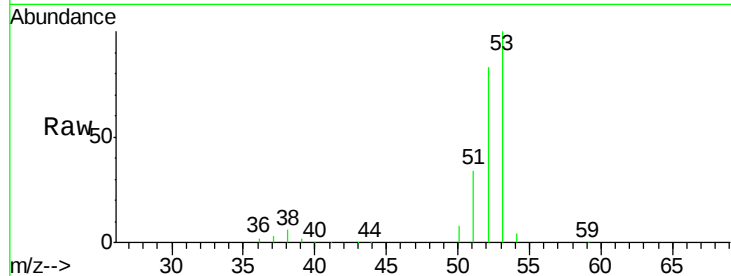
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 223528 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 81.6  | 64.8  | 97.2   |
| 51       | 34.4  | 27.3  | 40.9   |

Manual Integrations  
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MMDadoda  
1/17/2019 9:43:26 AM



#16

Acetone

Concen: 283.481 ug/l

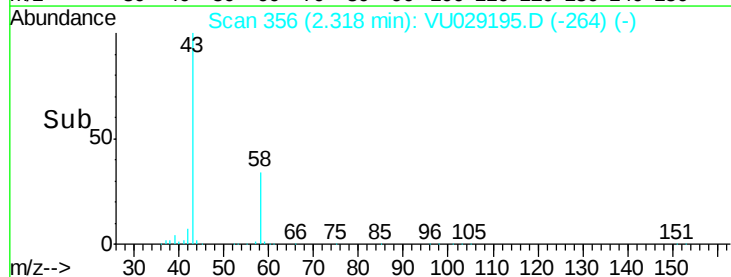
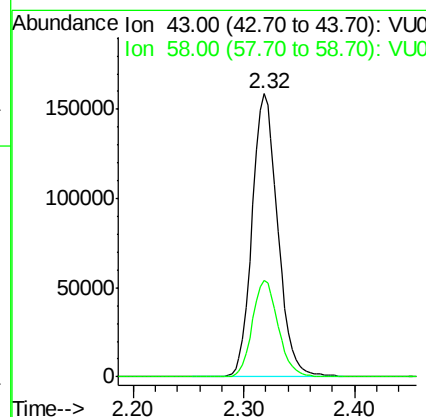
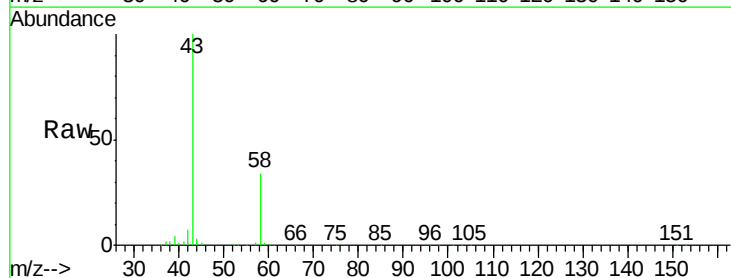
RT: 2.32 min Scan# 356

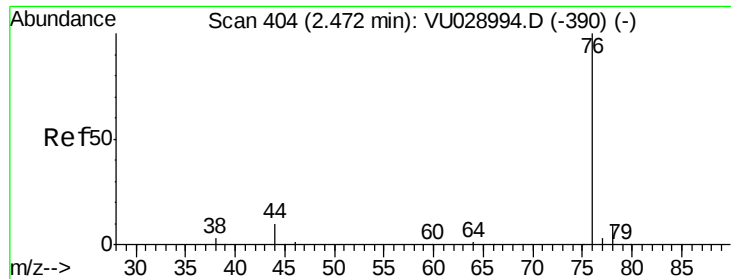
Delta R.T. -0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 254340 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 34.2  | 28.6  | 42.8   |





#17

Carbon Disulfide

Concen: 43.964 ug/l

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 174223

Ion Ratio Lower Upper

76 100

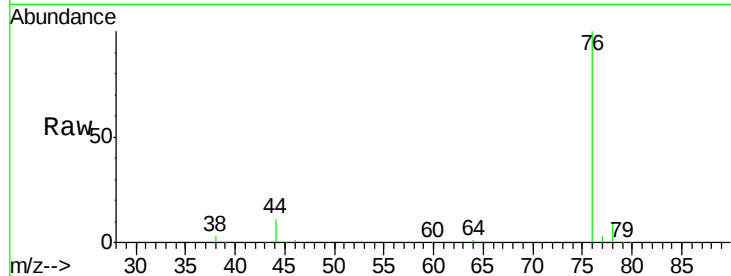
78 9.4 7.2 10.8

Manual Integrations

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MMDadoda

1/17/2019 9:43:26 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.47

120000

100000

80000

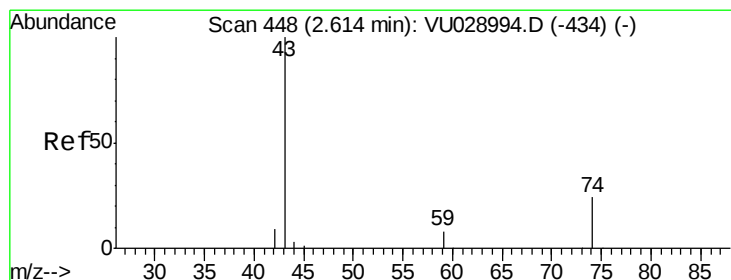
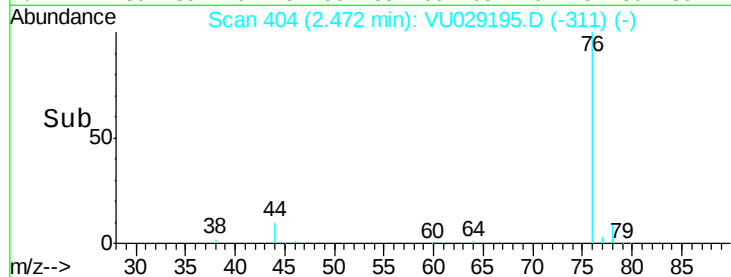
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 54.437 ug/l

RT: 2.61 min Scan# 447

Delta R.T. -0.00 min

Lab File: VU029195.D

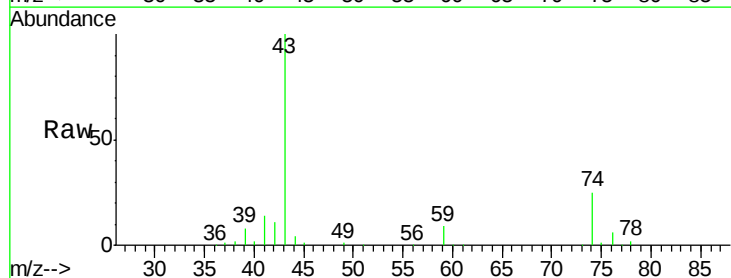
Acq: 16 Jan 2019 09:13

Tgt Ion: 43 Resp: 113563

Ion Ratio Lower Upper

43 100

74 24.9 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.61

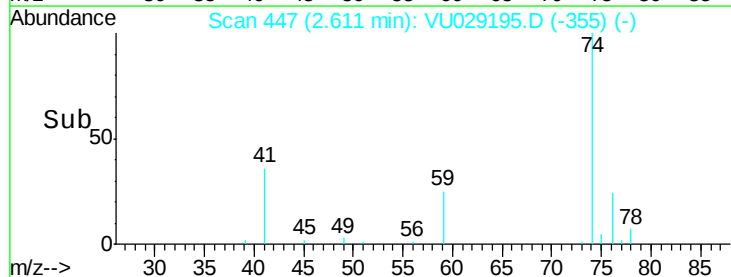
60000

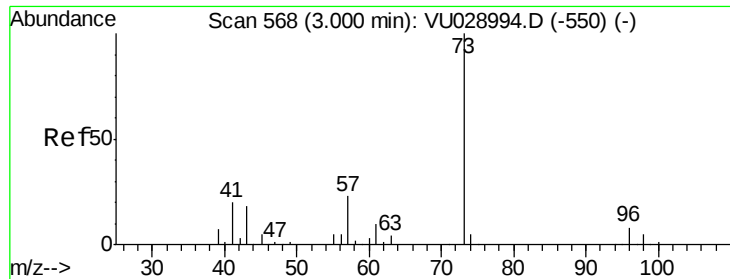
40000

20000

0

Time-->





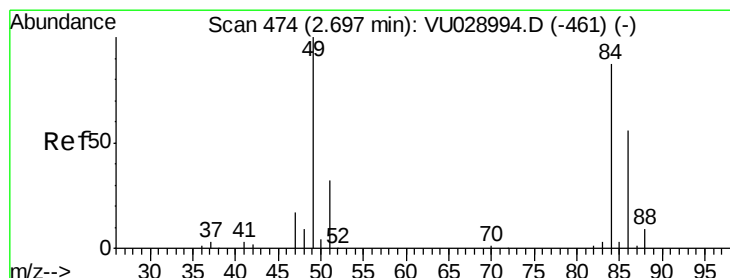
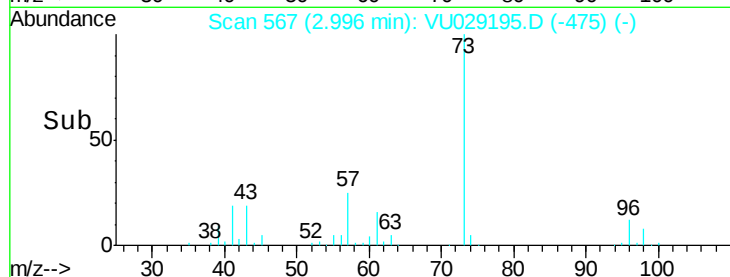
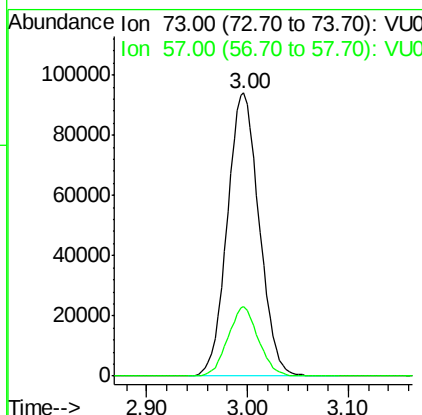
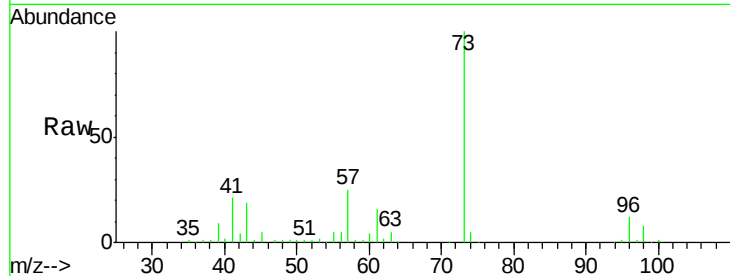
#19  
Methyl tert-butyl Ether  
Concen: 49.172 ug/l  
RT: 3.00 min Scan# 567  
Delta R.T. -0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 206569  
Ion Ratio Lower Upper  
73 100  
57 24.5 18.6 28.0

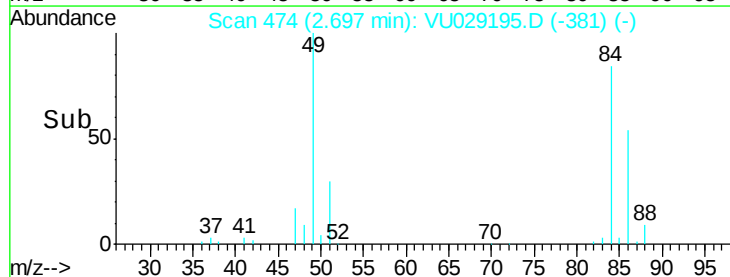
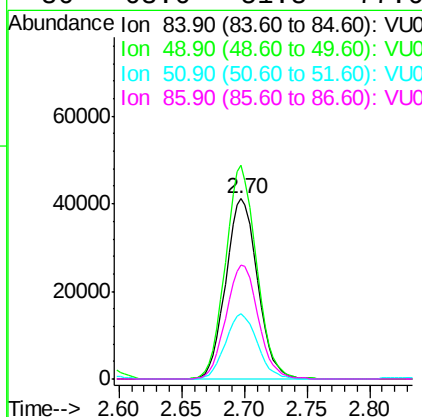
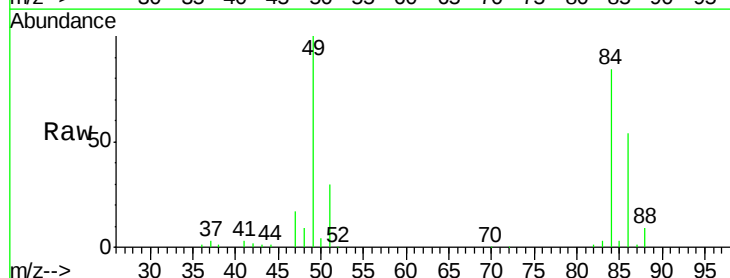
Manual Integrations  
APPROVED

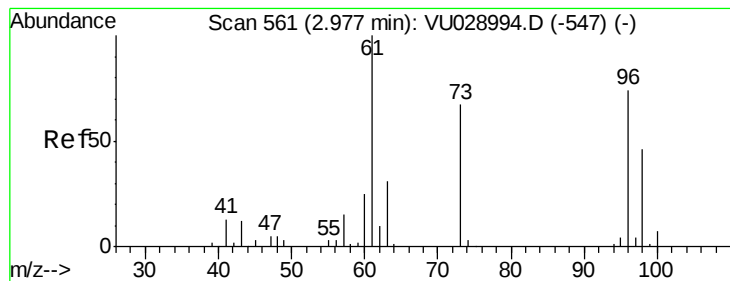
MMDadoda  
1/17/2019 9:43:26 AM



#20  
Methylene Chloride  
Concen: 47.501 ug/l  
RT: 2.70 min Scan# 474  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Tgt Ion: 84 Resp: 72358  
Ion Ratio Lower Upper  
84 100  
49 118.6 91.9 137.9  
51 36.0 29.2 43.8  
86 63.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 46.403 ug/l

RT: 2.98 min Scan# 561

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 64419

Ion Ratio Lower Upper

96 100

61 140.9 107.7 161.5

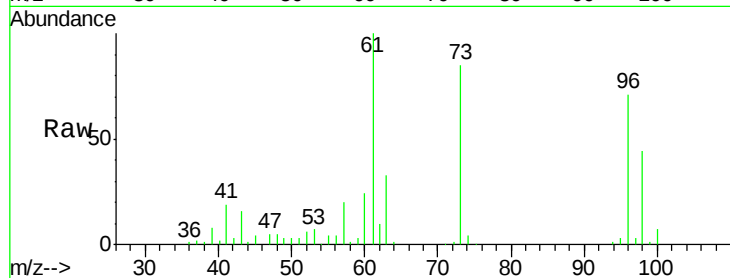
98 62.5 49.2 73.8

Manual Integrations

APPROVED

MMDadoda

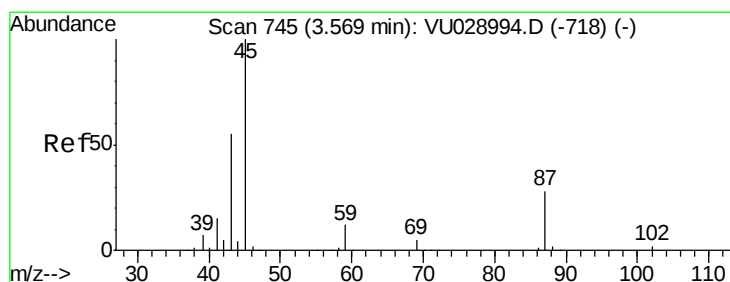
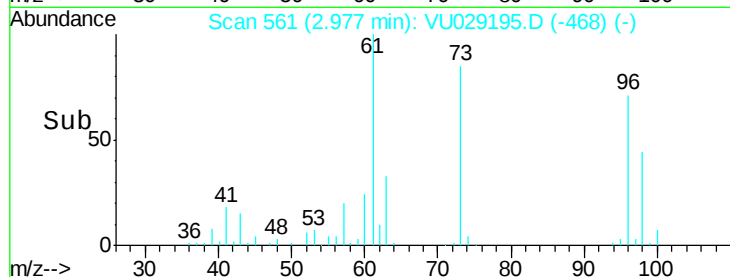
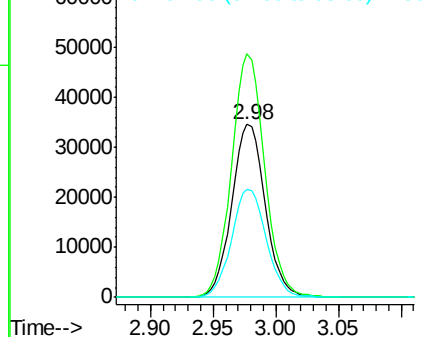
1/17/2019 9:43:26 AM



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 51.205 ug/l

RT: 3.57 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Tgt Ion: 45 Resp: 221875

Ion Ratio Lower Upper

45 100

43 57.7 44.7 67.1

87 26.7 22.2 33.2

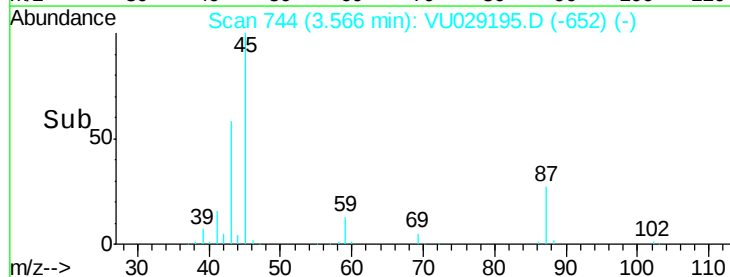
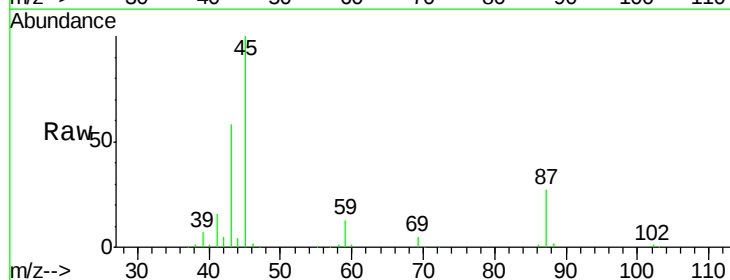
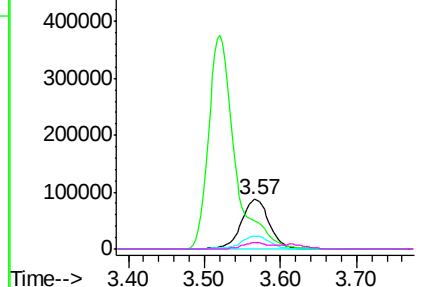
59 12.6 9.8 14.8

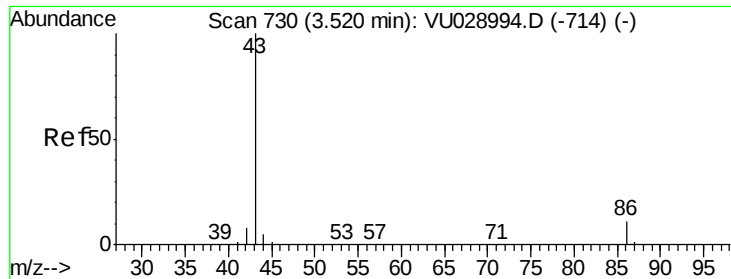
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 254.355 ug/l

RT: 3.52 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 900998

Ion Ratio Lower Upper

43 100

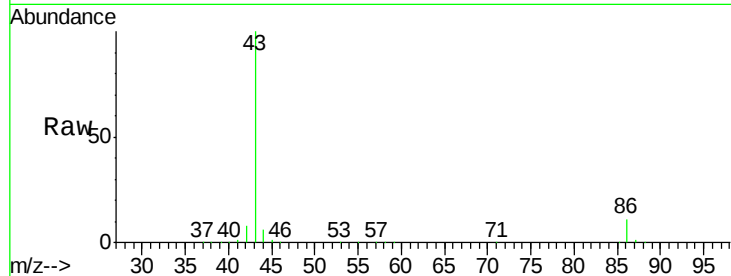
86 10.6 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

1/17/2019 9:43:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-714) (-)

Ion 86.00 (85.70 to 86.70): VU028994.D (-714) (-)

3.52

400000

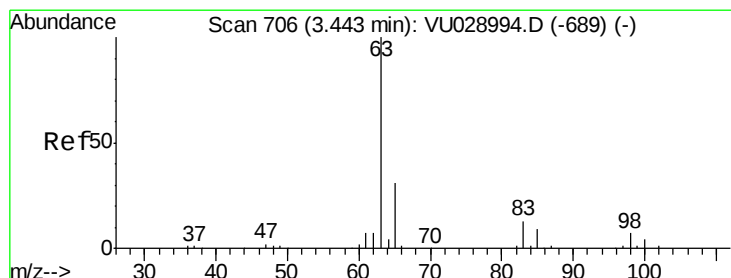
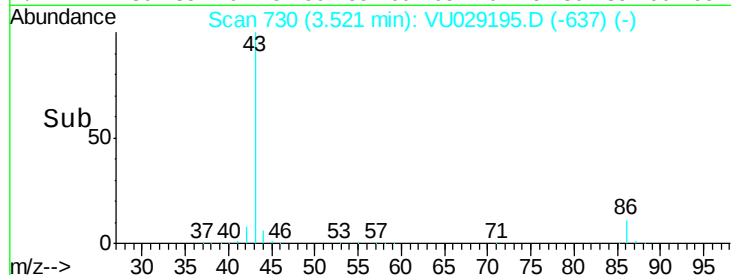
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.705 ug/l

RT: 3.44 min Scan# 705

Delta R.T. -0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

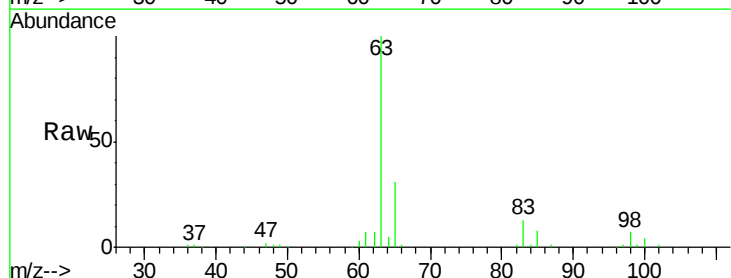
Tgt Ion: 63 Resp: 126831

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU028994.D (-689) (-)

Ion 97.90 (97.60 to 98.60): VU028994.D (-689) (-)

Ion 99.90 (99.60 to 100.60): VU028994.D (-689) (-)

3.44

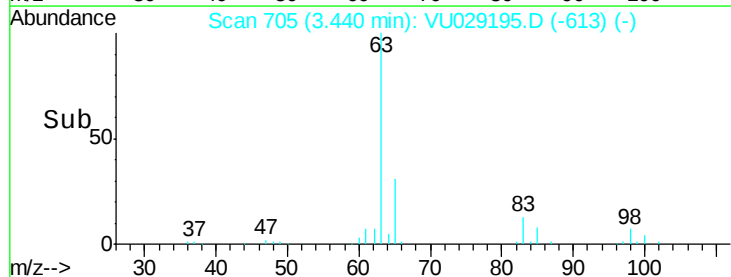
60000

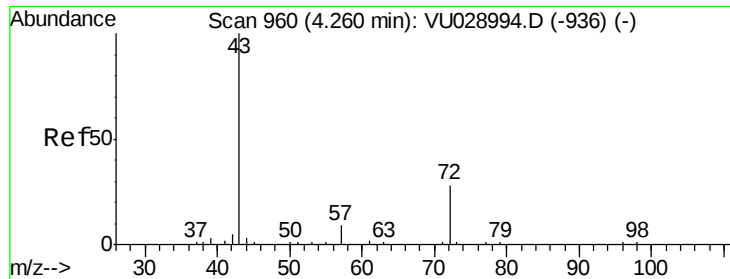
40000

20000

0

Time-->





#25

2-Butanone

Concen: 271.519 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 329028

Ion Ratio Lower Upper

43 100

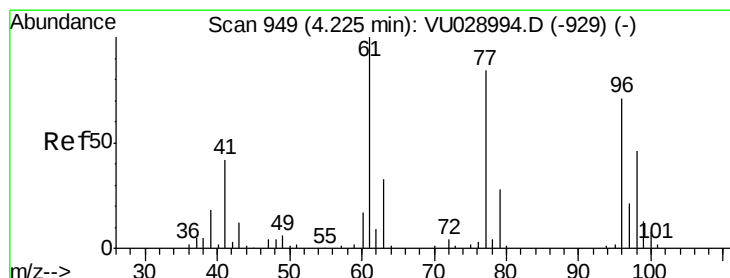
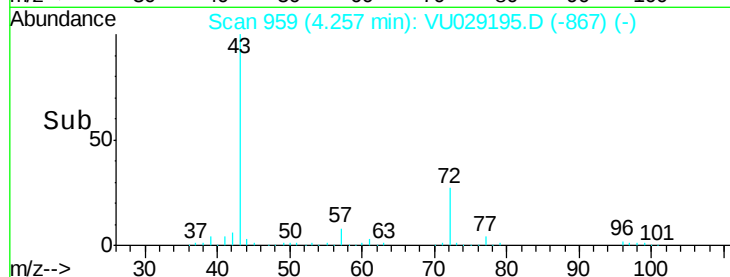
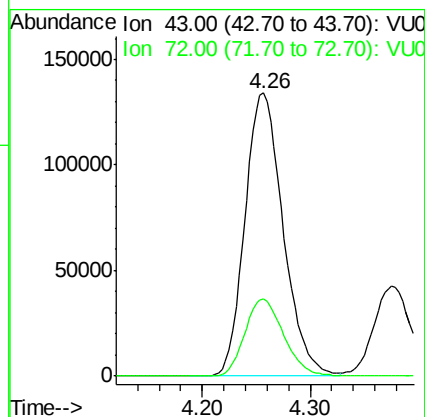
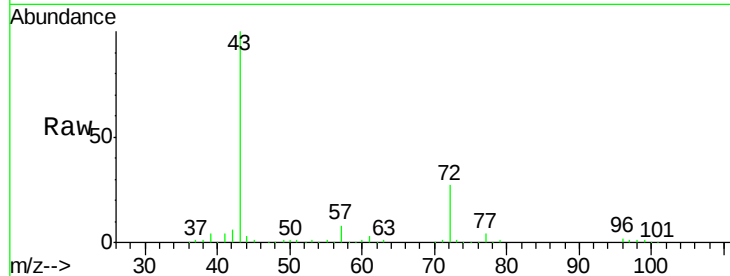
72 27.2 22.6 33.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.782 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU029195.D

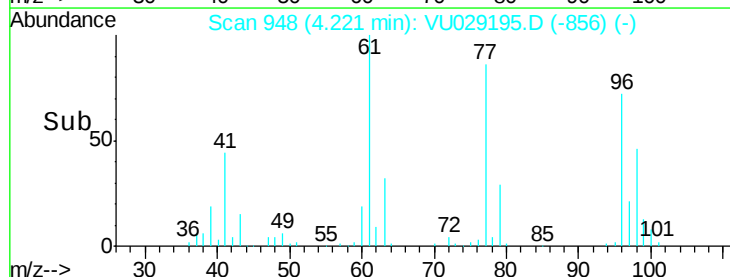
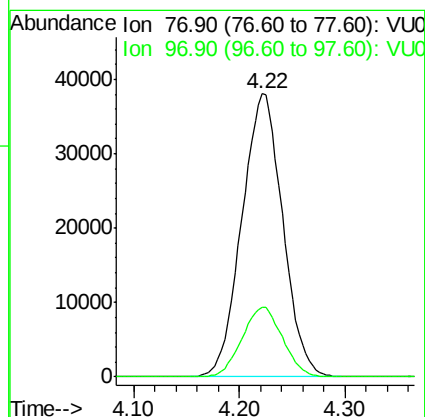
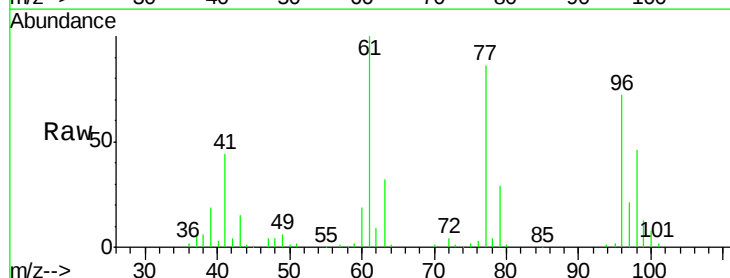
Acq: 16 Jan 2019 09:13

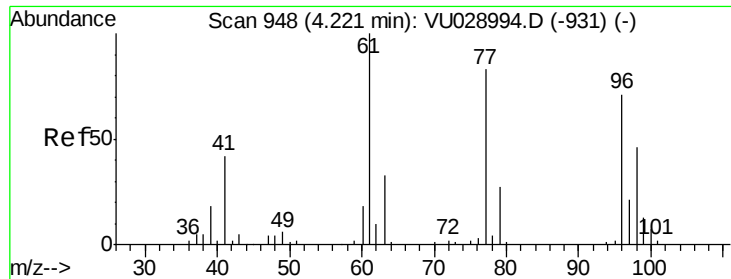
Tgt Ion: 77 Resp: 102638

Ion Ratio Lower Upper

77 100

97 24.4 12.0 36.1





#27

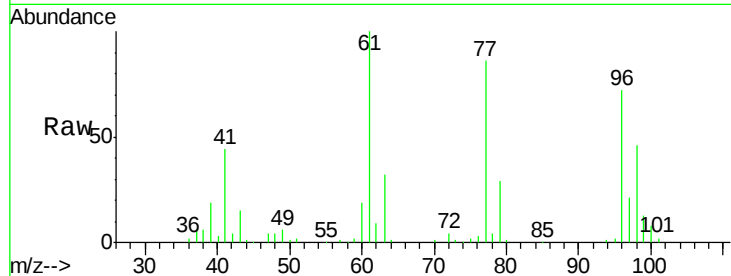
cis-1,2-Dichloroethene  
Concen: 50.159 ug/l  
RT: 4.22 min Scan# 948  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 142.5 | 0.0   | 285.6 |
| 98      | 64.2  | 0.0   | 130.2 |

Manual Integrations  
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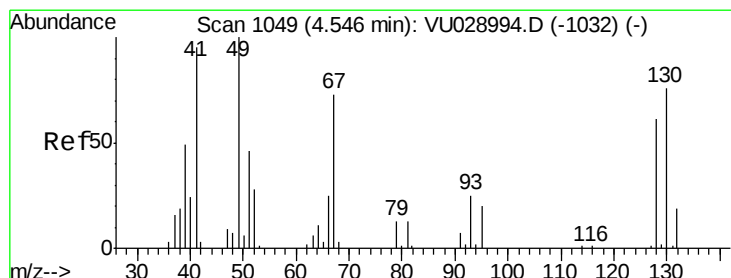
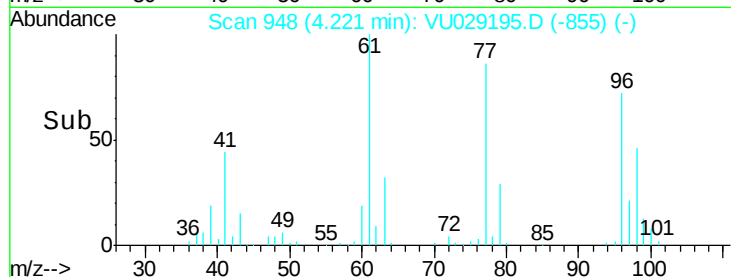
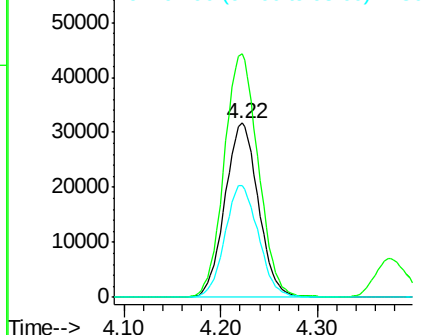


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

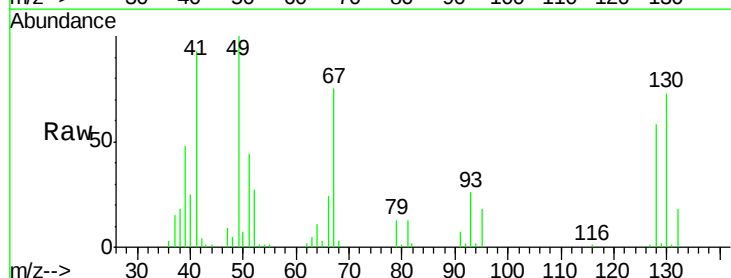
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane  
Concen: 52.131 ug/l  
RT: 4.54 min Scan# 1048  
Delta R.T. -0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.0   | 0.0   | 3.4   |
| 130     | 75.5  | 62.9  | 94.3  |

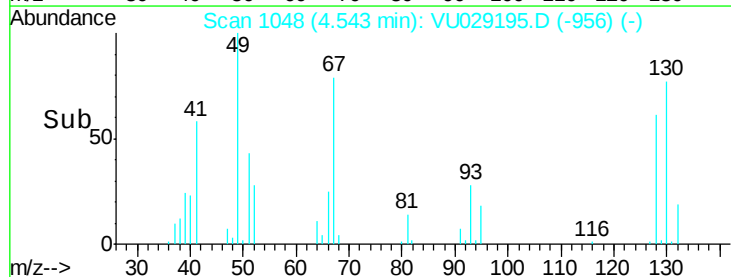
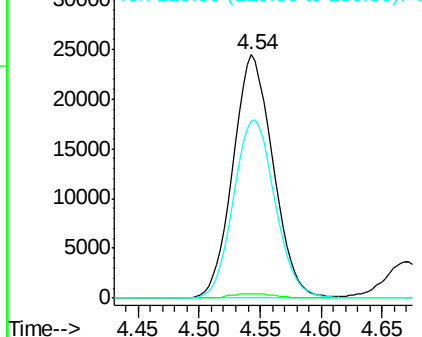


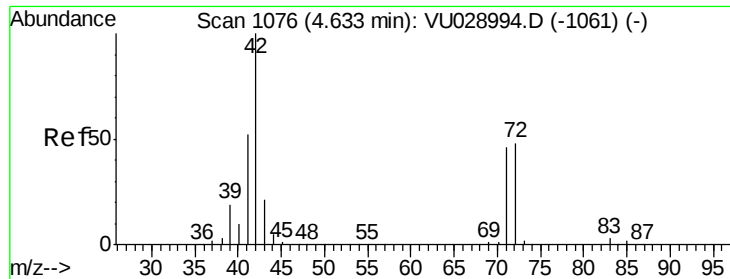
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





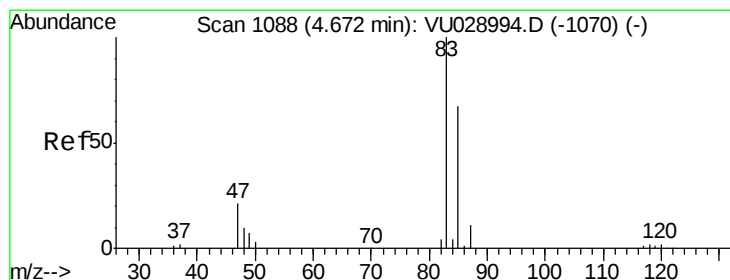
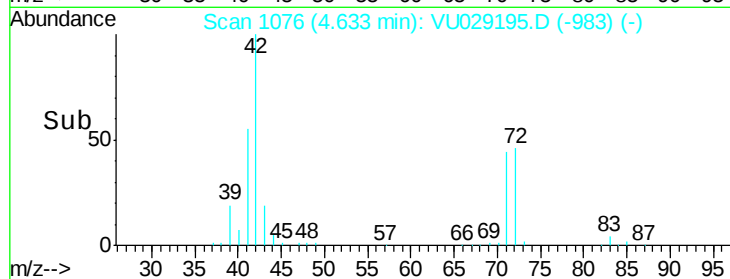
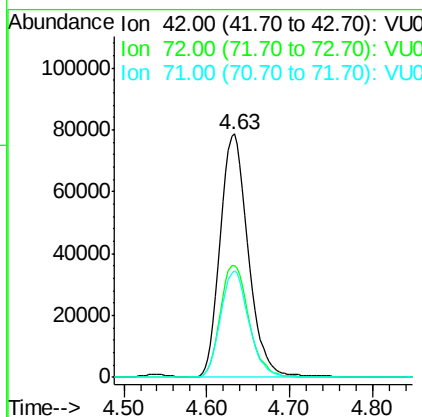
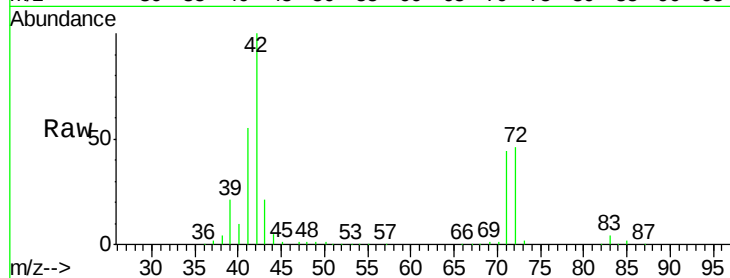
#29  
Tetrahydrofuran  
Concen: 250.448 ug/l  
RT: 4.63 min Scan# 1076  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 47.4  | 38.3  | 57.5  |
| 71      | 44.0  | 36.1  | 54.1  |

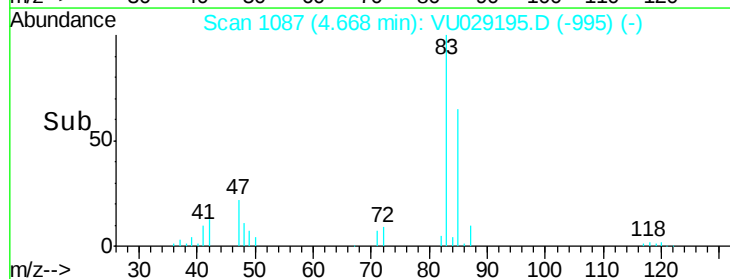
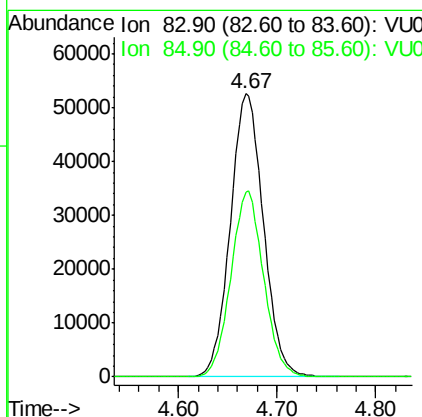
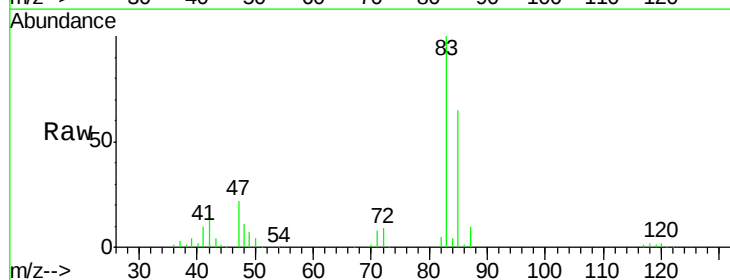
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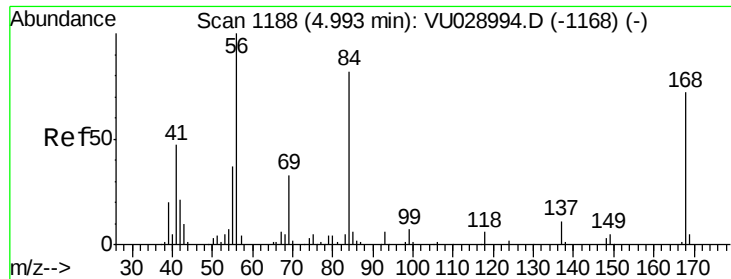
MMDadoda  
1/17/2019 9:43:26 AM



#30  
Chloroform  
Concen: 51.535 ug/l  
RT: 4.67 min Scan# 1087  
Delta R.T. -0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.2  | 53.4  | 80.0  |





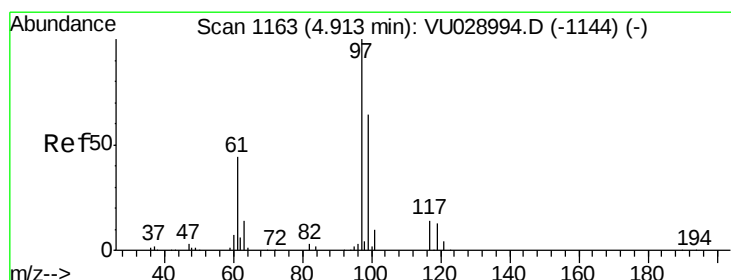
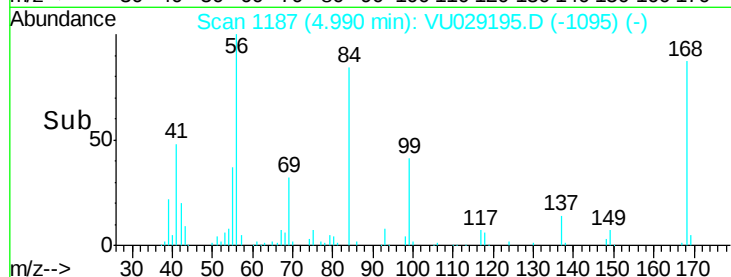
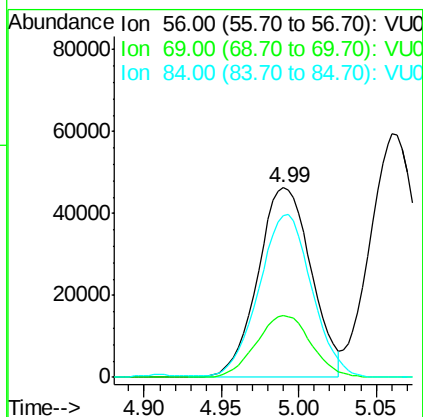
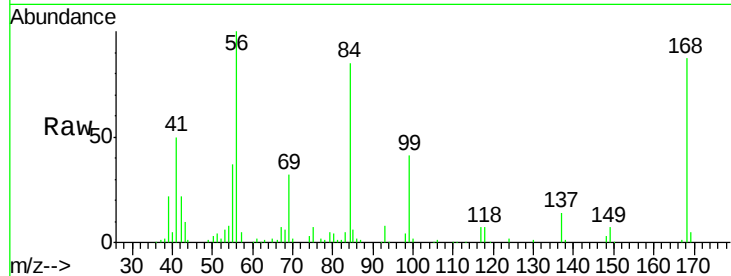
#31  
Cyclohexane  
Concen: 47.095 ug/l  
RT: 4.99 min Scan# 1187  
Delta R.T. -0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 32.5  | 26.7  | 40.1  |
| 84      | 84.8  | 65.7  | 98.5  |

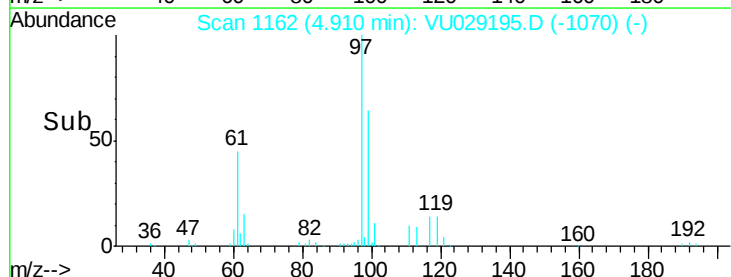
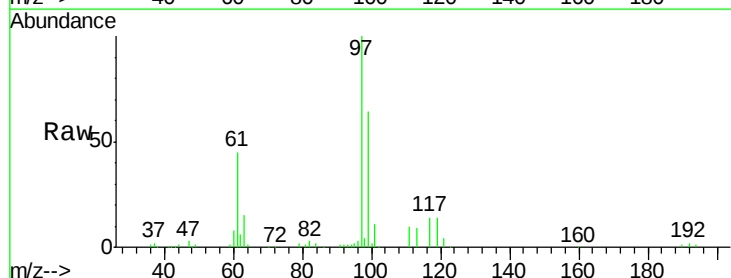
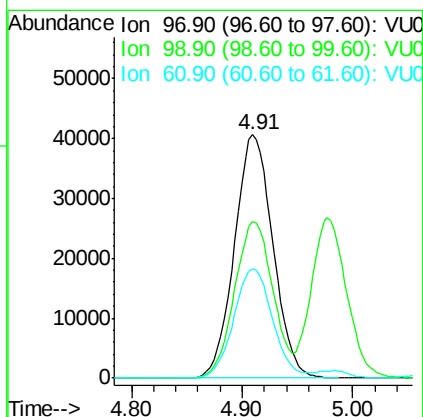
Manual Integrations  
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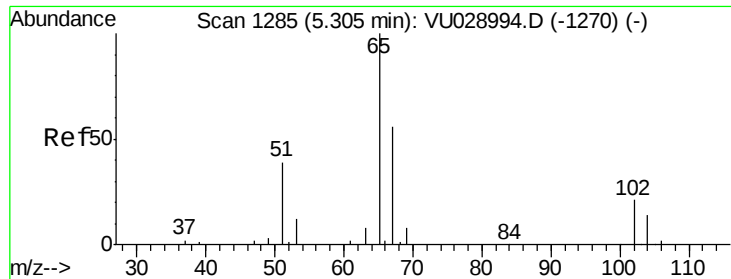
MMDadoda  
1/17/2019 9:43:26 AM



#32  
1,1,1-Trichloroethane  
Concen: 49.892 ug/l  
RT: 4.91 min Scan# 1162  
Delta R.T. -0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.0  | 51.0  | 76.4  |
| 61      | 45.1  | 34.4  | 51.6  |





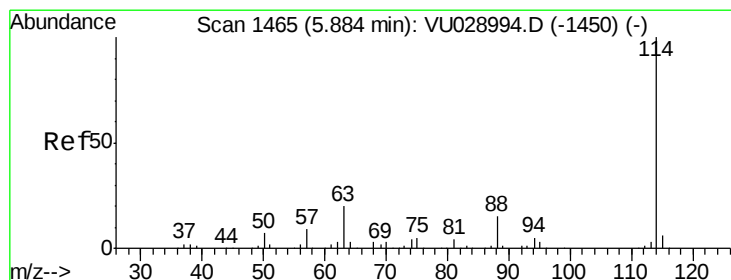
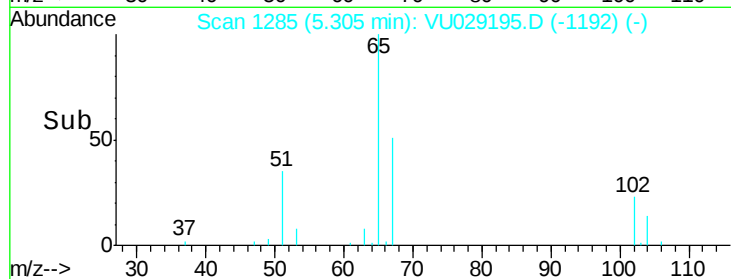
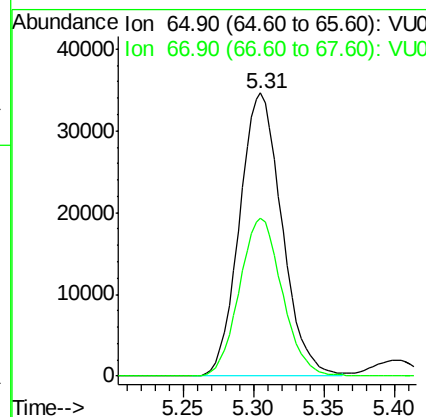
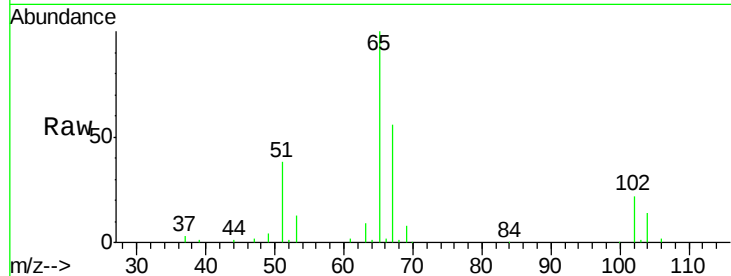
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.222 ug/l  
 RT: 5.31 min Scan# 1285  
 Delta R.T. 0.00 min  
 Lab File: VU029195.D  
 Acq: 16 Jan 2019 09:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 56.1  | 0.0   | 111.0 |

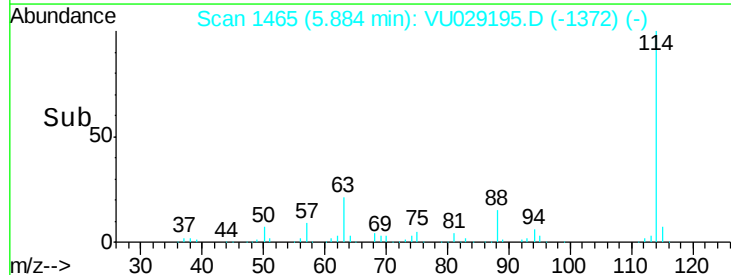
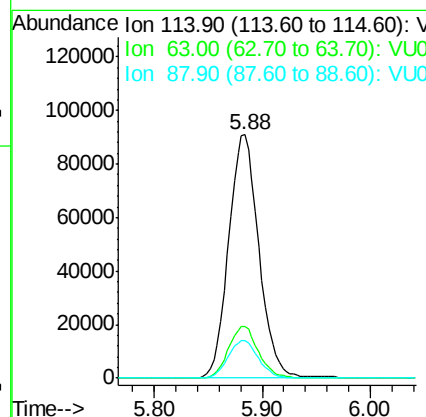
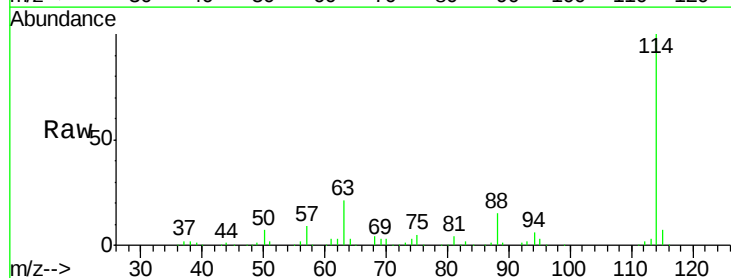
Manual Integrations  
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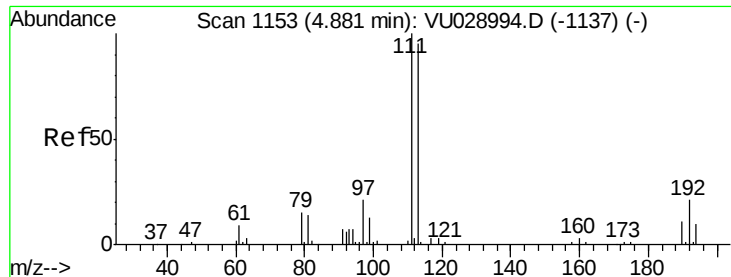
MMDadoda  
 1/17/2019 9:43:26 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.88 min Scan# 1465  
 Delta R.T. 0.00 min  
 Lab File: VU029195.D  
 Acq: 16 Jan 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.4  | 0.0   | 40.2  |
| 88      | 15.4  | 0.0   | 30.4  |





#35

Dibromofluoromethane

Concen: 54.732 ug/l

RT: 4.88 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

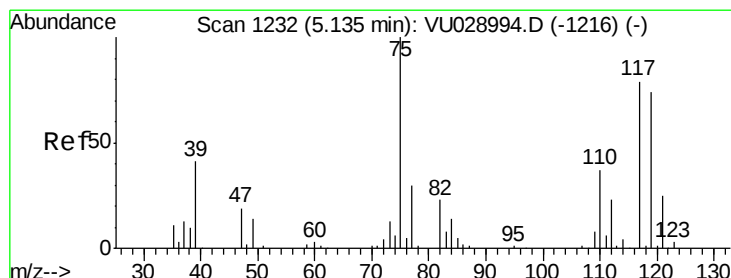
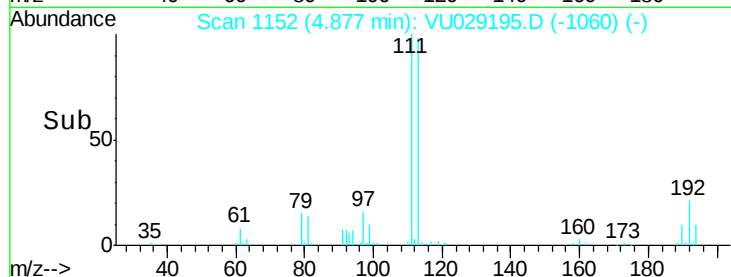
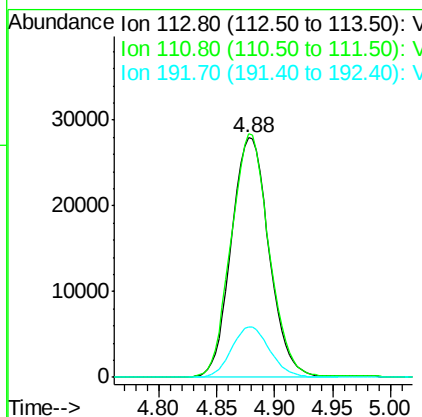
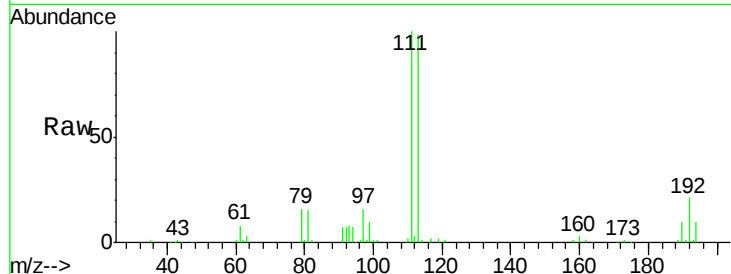
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 63147 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.0 | 81.4  | 122.2 |
| 192      | 21.2  | 16.8  | 25.2  |

Manual Integrations  
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1/17/2019 9:43:26 AM



#36

1,1-Dichloropropene

Concen: 52.026 ug/l

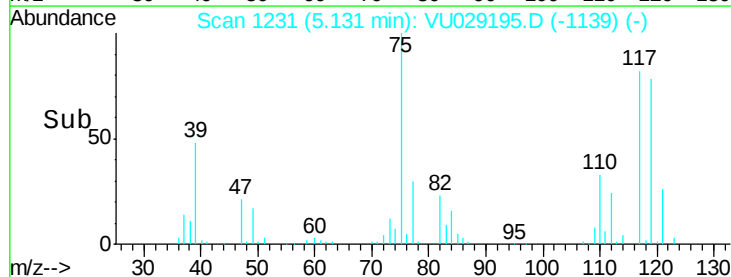
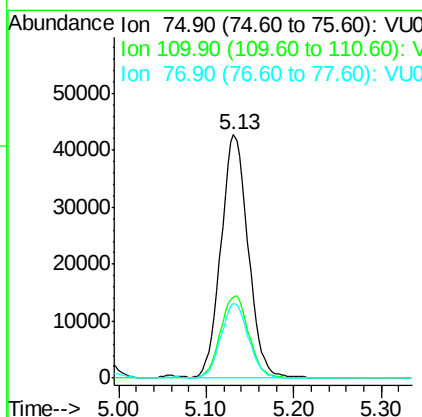
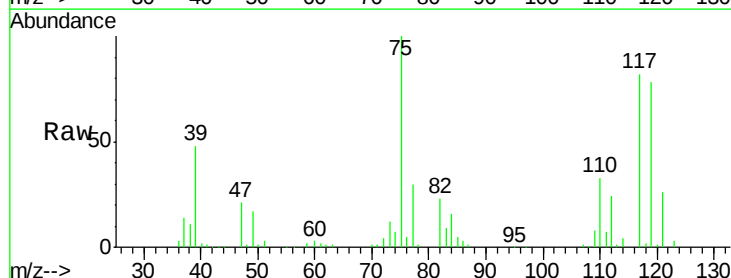
RT: 5.13 min Scan# 1231

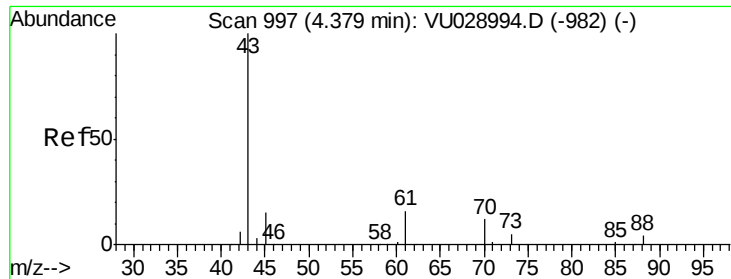
Delta R.T. -0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 92557 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 35.0  | 18.4  | 55.4  |
| 77       | 30.9  | 25.1  | 37.7  |





#37

Ethyl Acetate

Concen: 53.712 ug/l

RT: 4.38 min Scan# 996

Delta R.T. -0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

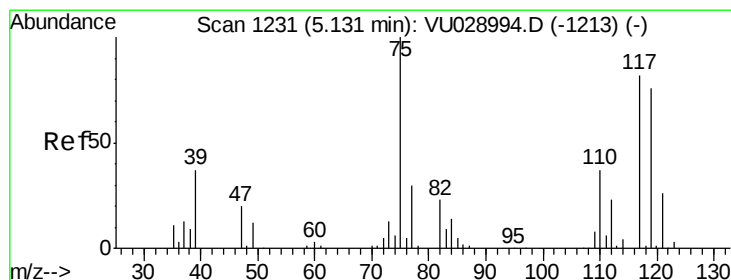
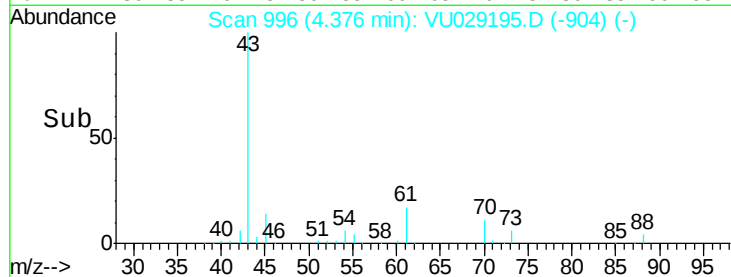
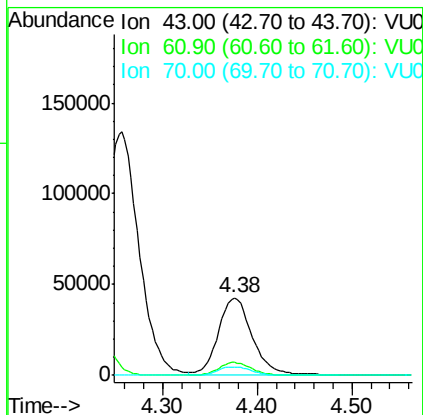
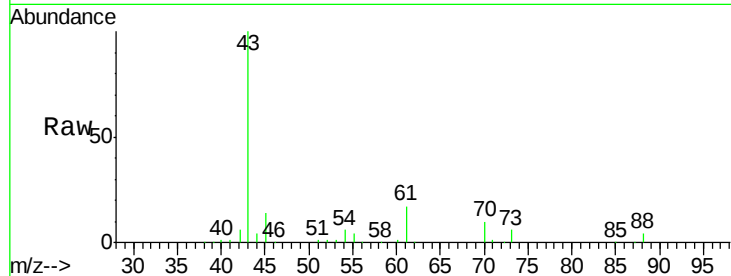
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 104889 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 16.0  | 12.6  | 18.8   |
| 70       | 11.1  | 9.3   | 13.9   |

Manual Integrations  
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1/17/2019 9:43:26 AM



#38

Carbon Tetrachloride

Concen: 54.410 ug/l

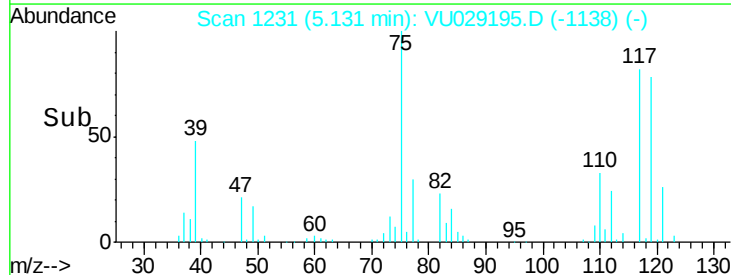
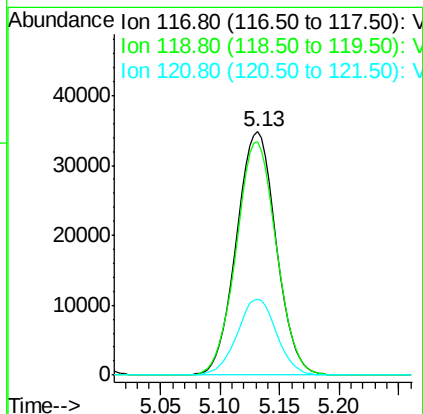
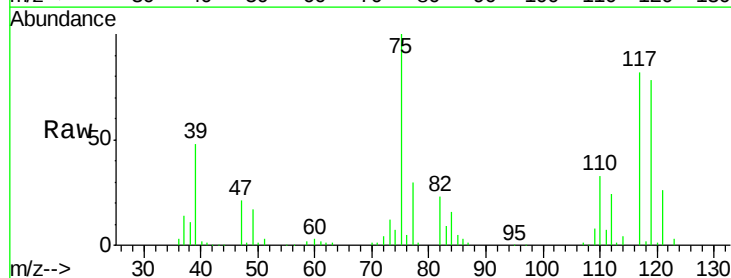
RT: 5.13 min Scan# 1231

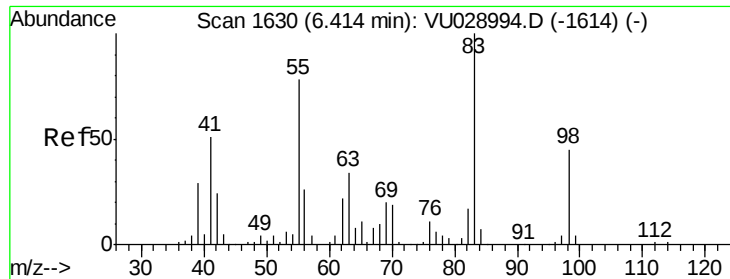
Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 80734 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 95.8  | 74.6  | 111.8 |
| 121      | 31.3  | 25.0  | 37.6  |





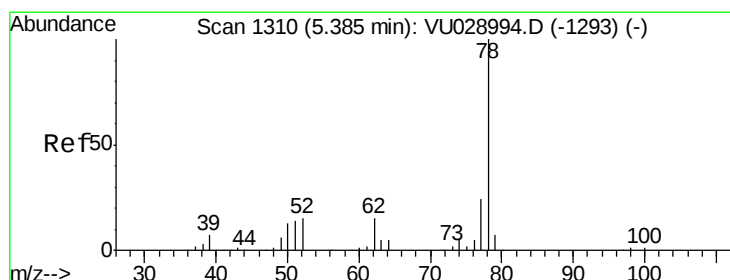
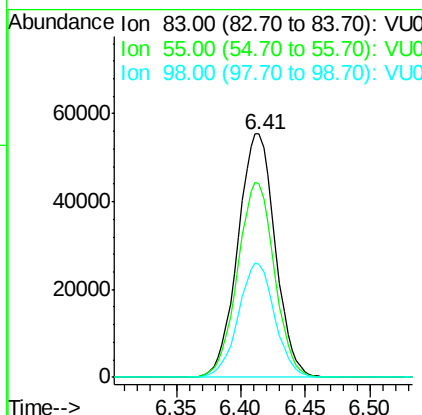
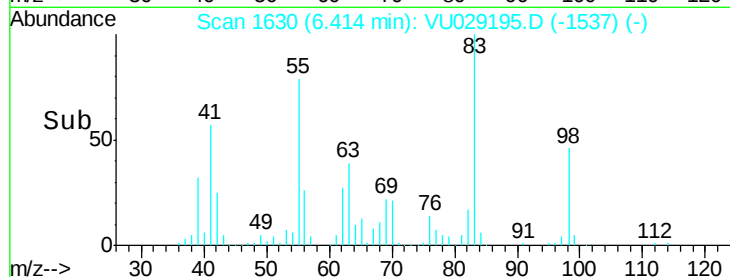
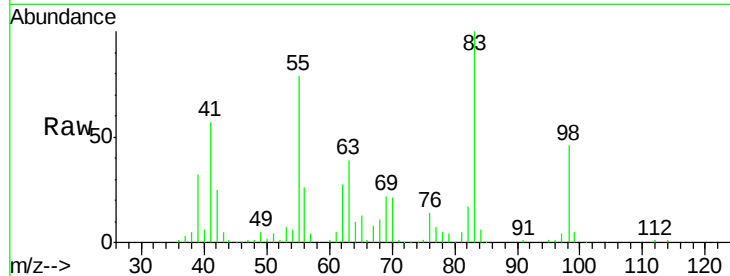
#39  
Methylvlcvclohexane  
Concen: 51.105 ug/l  
RT: 6.41 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 79.3  | 62.4  | 93.6  |
| 98      | 46.2  | 36.2  | 54.2  |

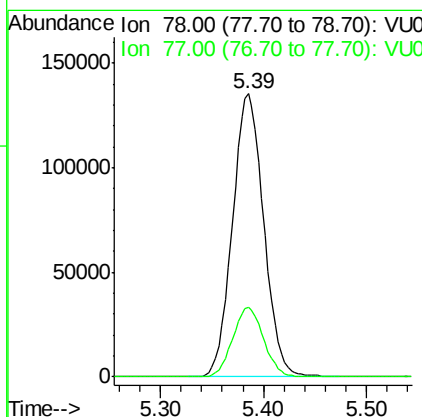
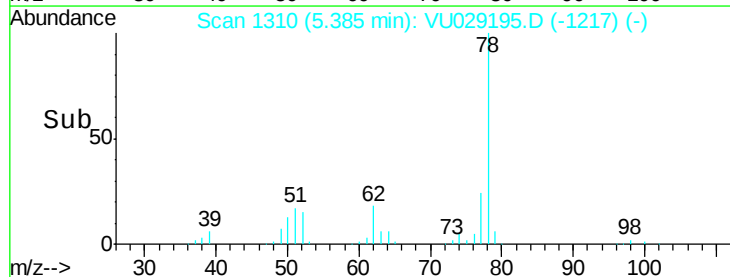
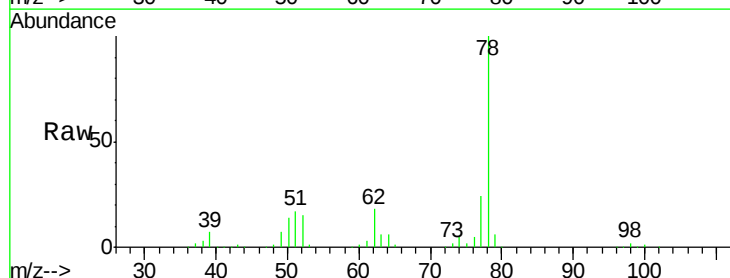
Manual Integrations  
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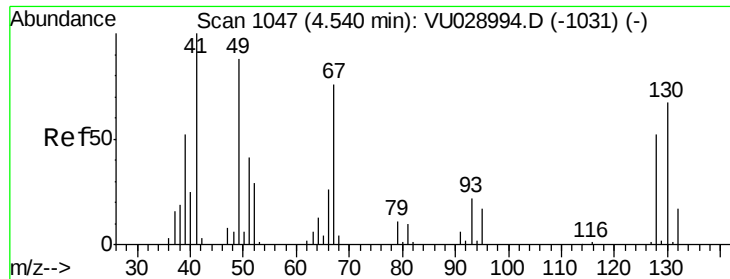
MMDadoda  
1/17/2019 9:43:26 AM



#40  
Benzene  
Concen: 51.430 ug/l  
RT: 5.39 min Scan# 1310  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.4  | 18.9  | 28.3  |





#41

Methacrylonitrile

Concen: 55.666 ug/l

RT: 4.54 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 58188

Ion Ratio Lower Upper

41 100

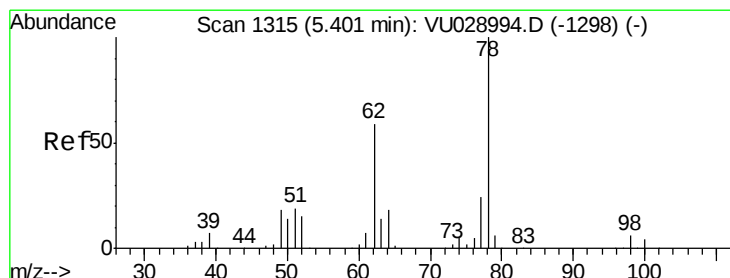
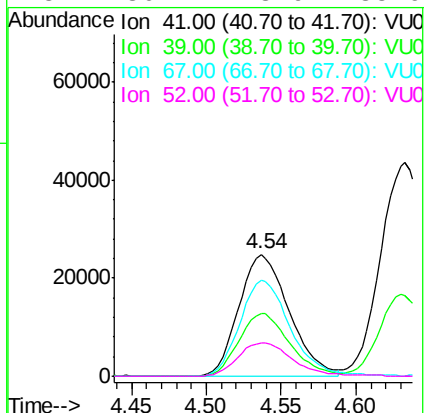
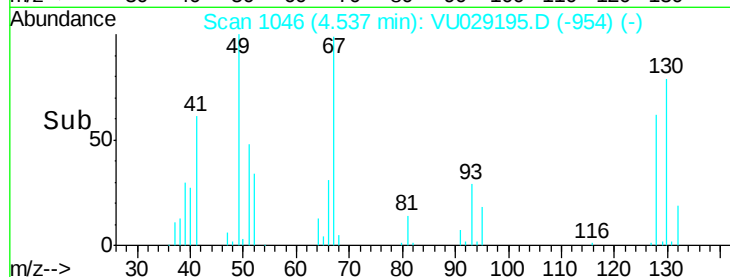
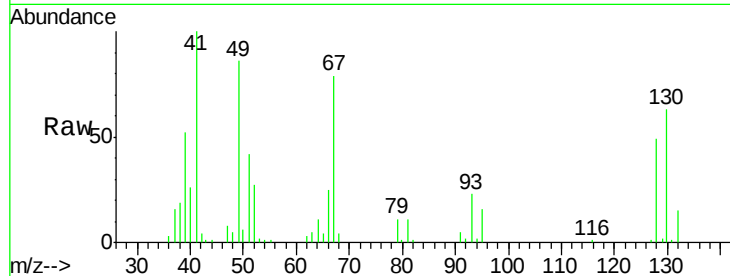
39 52.4 42.3 63.5

67 79.3 64.4 96.6

52 30.1 23.9 35.9

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#42

1,2-Dichloroethane

Concen: 54.743 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU029195.D

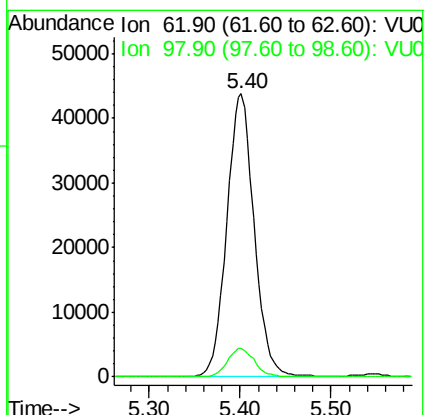
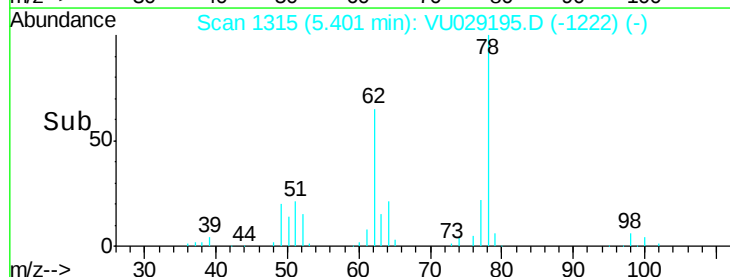
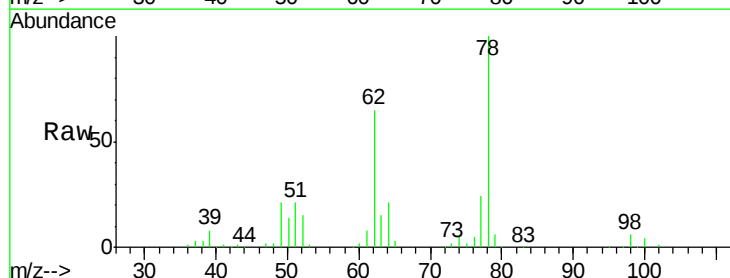
Acq: 16 Jan 2019 09:13

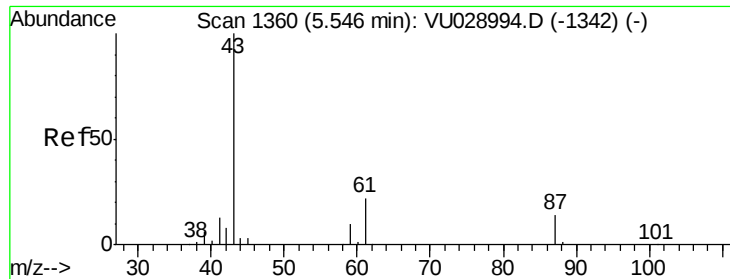
Tgt Ion: 62 Resp: 91286

Ion Ratio Lower Upper

62 100

98 9.9 0.0 19.6





#43

Isopropyl Acetate

Concen: 54.193 ug/l

RT: 5.54 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

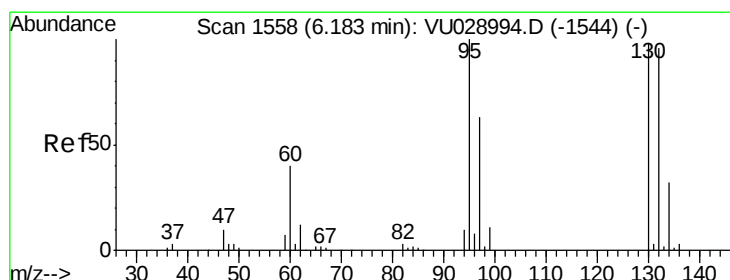
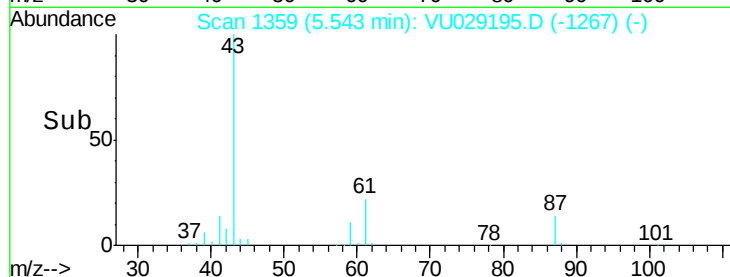
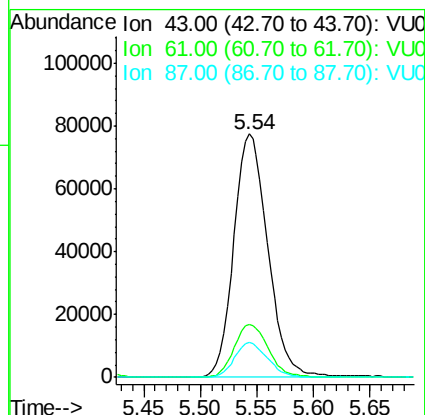
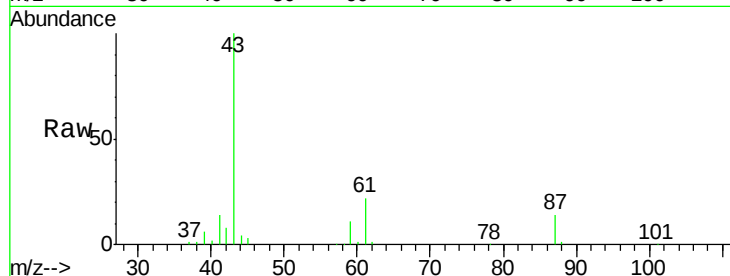
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 162339 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 21.9  | 17.8  | 26.6   |
| 87       | 13.9  | 11.3  | 16.9   |

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#44

Trichloroethene

Concen: 50.038 ug/l

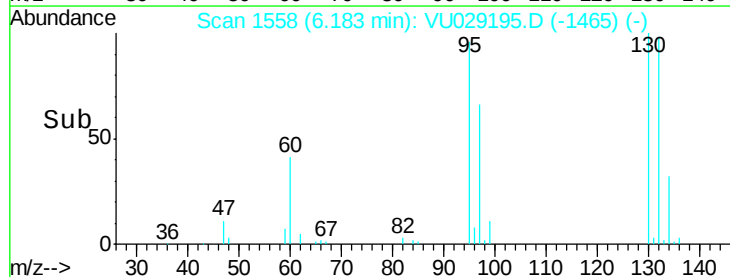
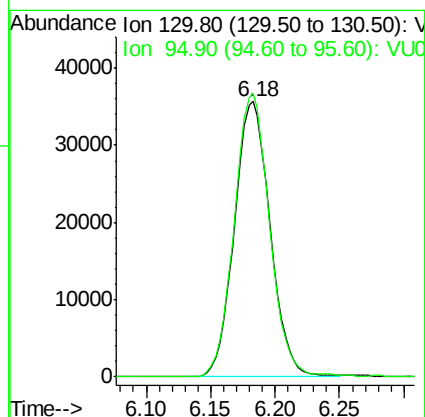
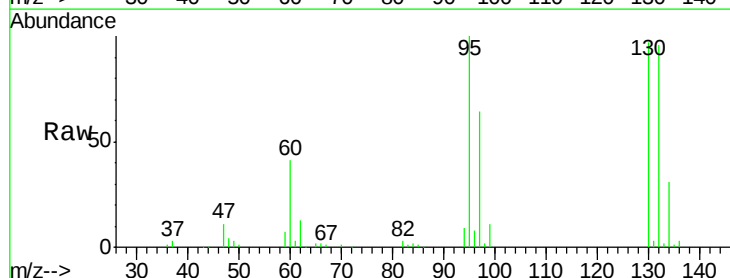
RT: 6.18 min Scan# 1558

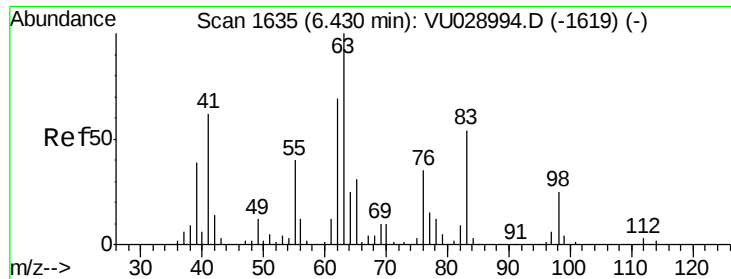
Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 68801 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 102.7 | 0.0   | 205.0 |





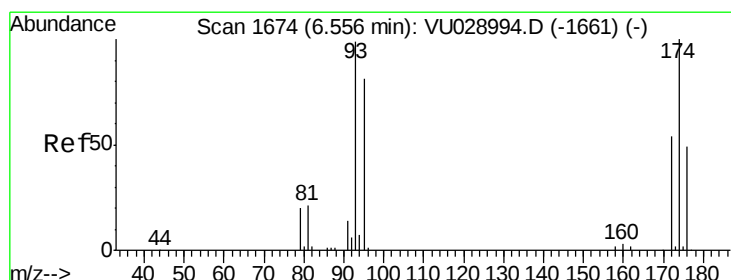
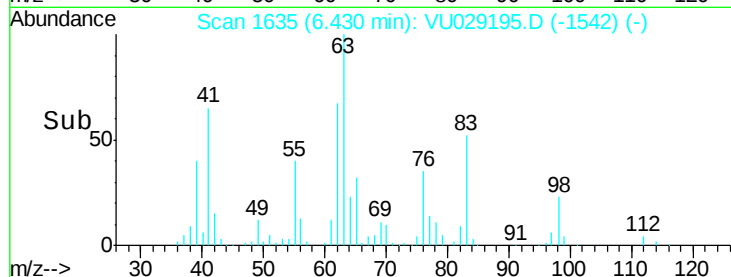
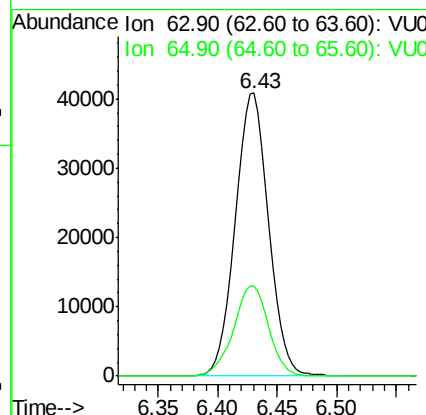
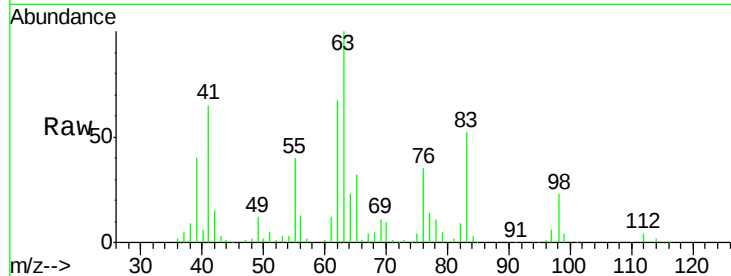
#45  
 1,2-Dichloropropane  
 Concen: 54.064 ug/l  
 RT: 6.43 min Scan# 1635  
 Delta R.T. 0.00 min  
 Lab File: VU029195.D  
 Acq: 16 Jan 2019 09:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 63 Resp: 79229  
 Ion Ratio Lower Upper  
 63 100  
 65 31.7 25.1 37.7

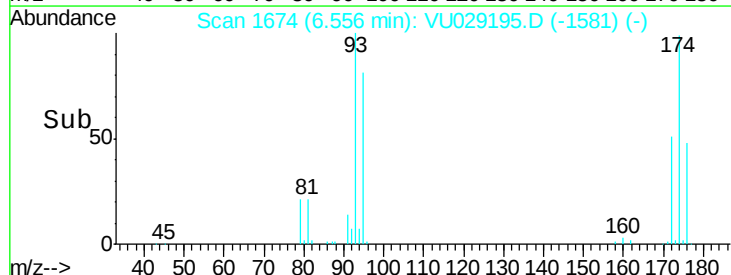
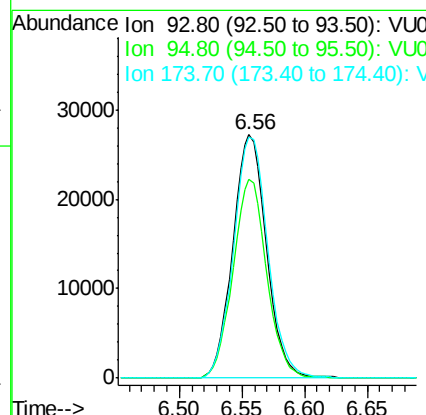
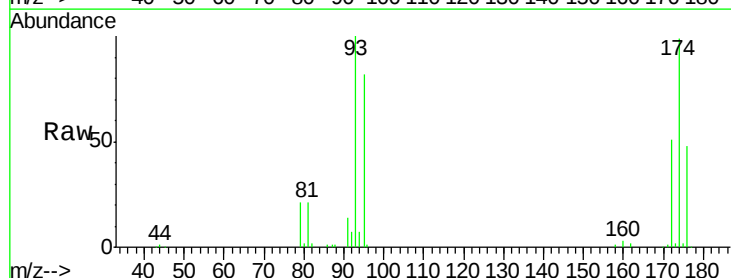
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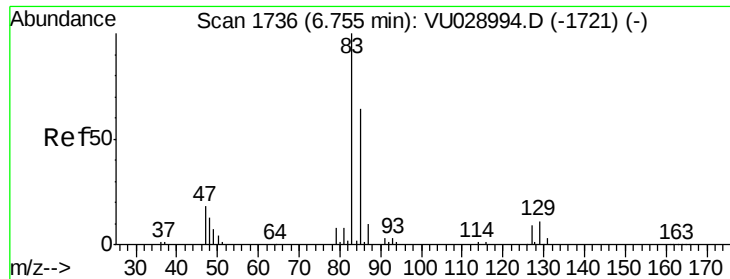
MMDadoda  
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#46  
 Dibromomethane  
 Concen: 53.998 ug/l  
 RT: 6.56 min Scan# 1674  
 Delta R.T. 0.00 min  
 Lab File: VU029195.D  
 Acq: 16 Jan 2019 09:13

Tgt Ion: 93 Resp: 50586  
 Ion Ratio Lower Upper  
 93 100  
 95 82.0 67.2 100.8  
 174 101.4 82.6 123.8





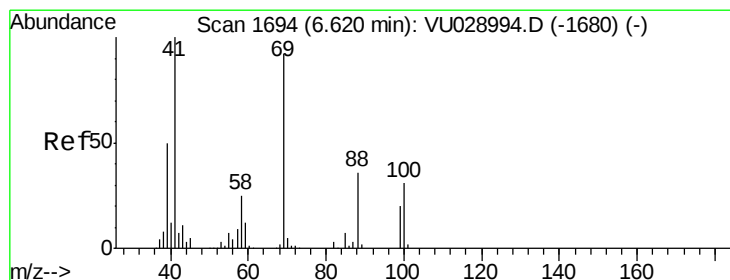
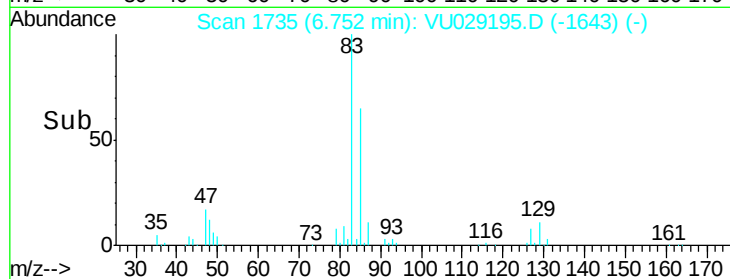
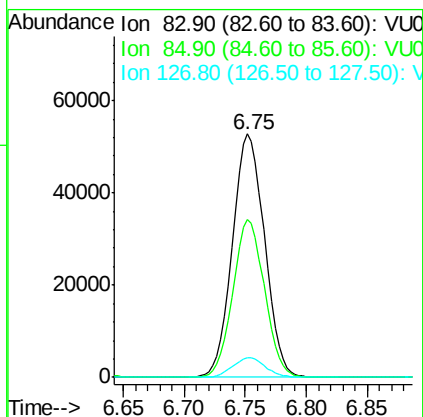
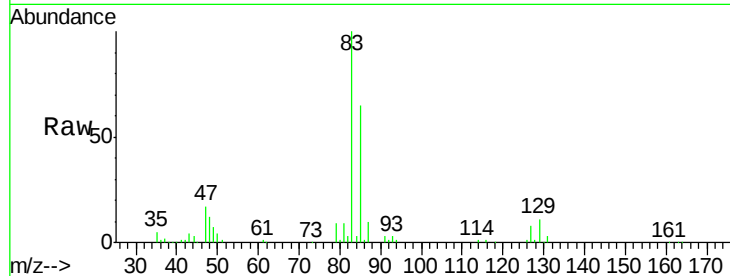
#47  
 Bromodichloromethane  
 Concen: 55.975 ug/l  
 RT: 6.75 min Scan# 1735  
 Delta R.T. -0.00 min  
 Lab File: VU029195.D  
 Acq: 16 Jan 2019 09:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion   | 83   | Resp | 96547 |
|-----------|------|------|-------|
| Ion Ratio | 100  |      |       |
| 85        | 64.8 | 51.4 | 77.2  |
| 127       | 8.0  | 7.0  | 10.4  |

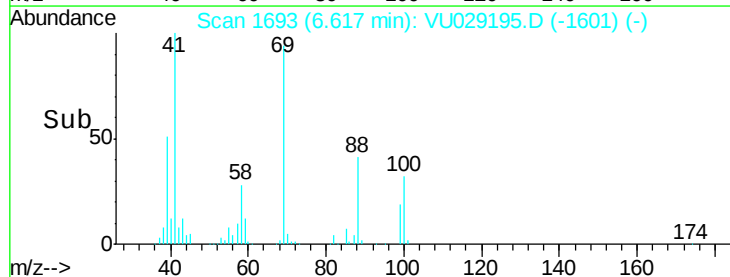
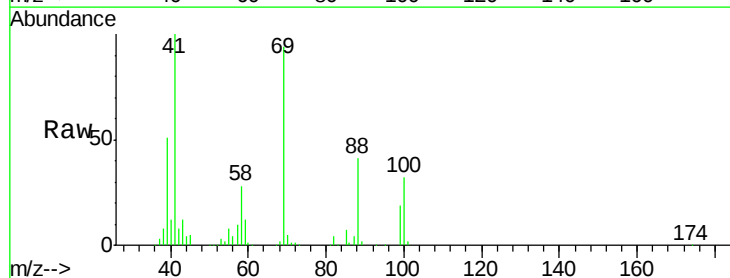
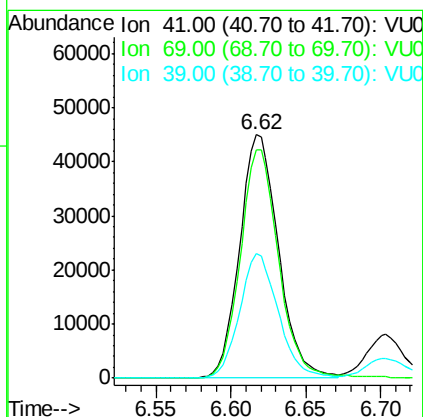
Manual Integrations  
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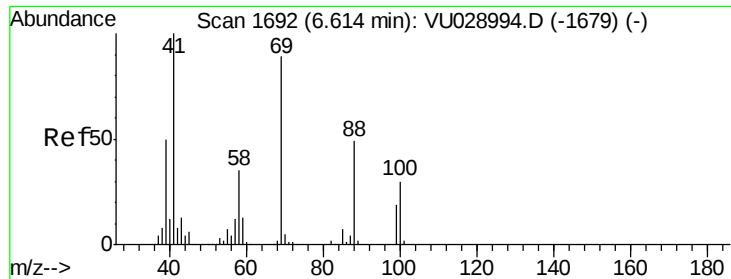
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#48  
 Methyl methacrylate  
 Concen: 55.770 ug/l  
 RT: 6.62 min Scan# 1693  
 Delta R.T. -0.00 min  
 Lab File: VU029195.D  
 Acq: 16 Jan 2019 09:13

| Tgt Ion   | 41   | Resp | 81347 |
|-----------|------|------|-------|
| Ion Ratio | 100  |      |       |
| 69        | 92.8 | 73.6 | 110.4 |
| 39        | 50.9 | 39.6 | 59.4  |





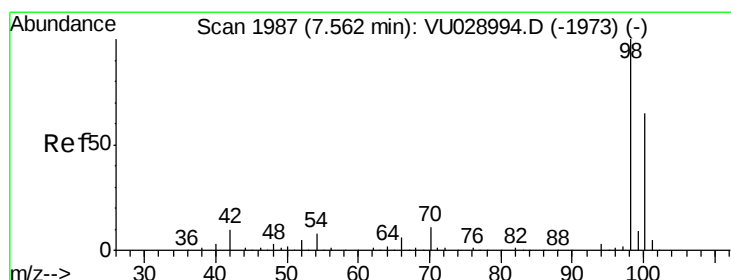
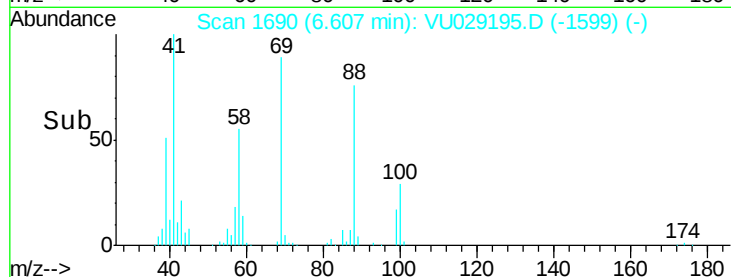
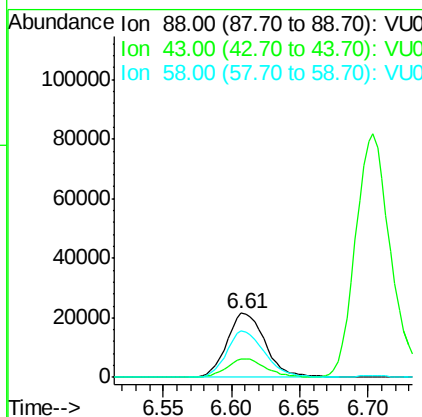
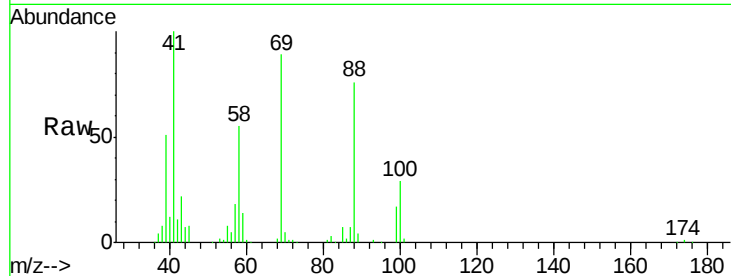
#49  
1,4-Dioxane  
Concen: 1197.091 ug/l  
RT: 6.61 min Scan# 1690  
Delta R.T. -0.01 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 28.8  | 23.0  | 34.4  |
| 58      | 73.1  | 57.9  | 86.9  |

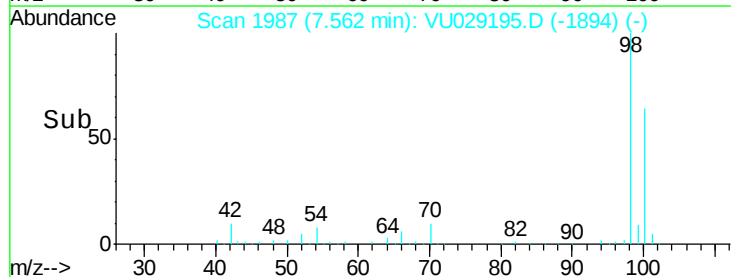
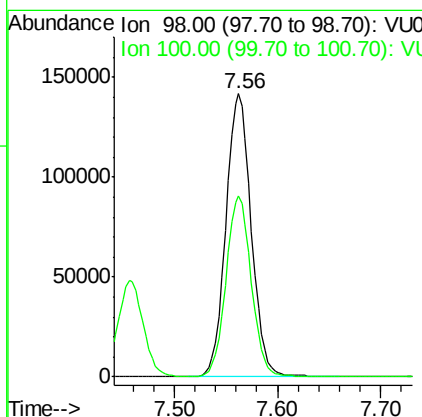
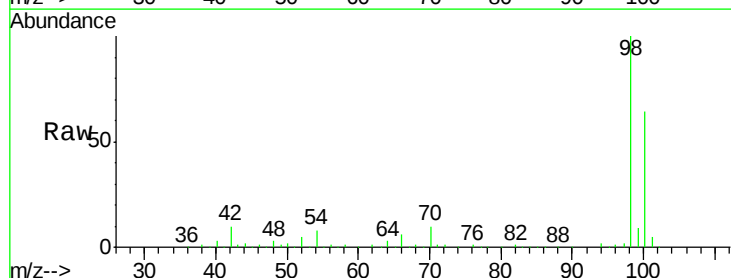
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#50  
Toluene-d8  
Concen: 53.266 ug/l  
RT: 7.56 min Scan# 1987  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.1  | 51.6  | 77.4  |





#51

4-Methyl-2-Pentanone

Concen: 274.764 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 560152

Ion Ratio Lower Upper

43 100

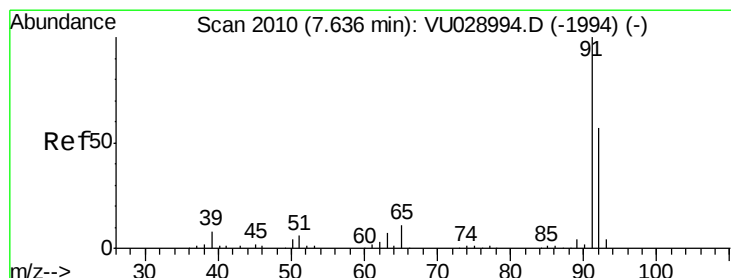
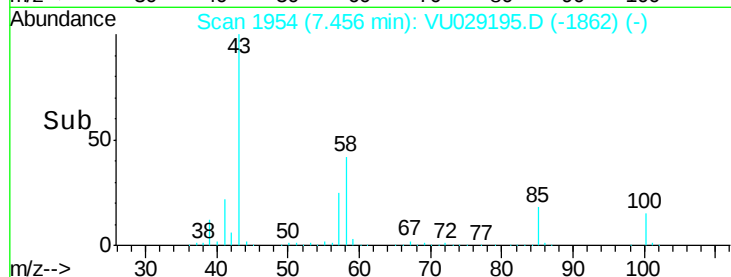
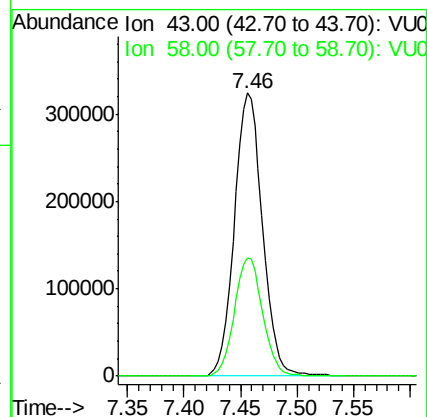
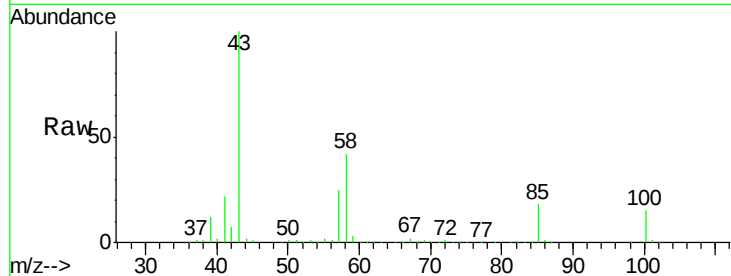
58 42.0 33.9 50.9

Manual Integrations

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#52

Toluene

Concen: 52.469 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029195.D

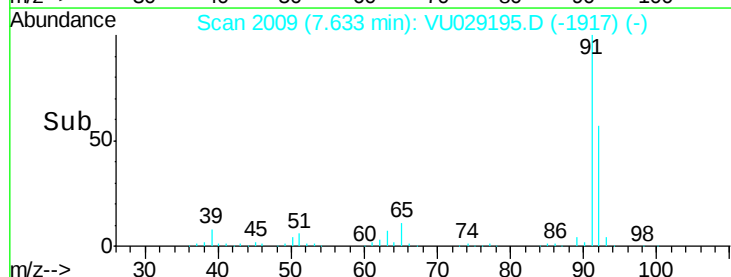
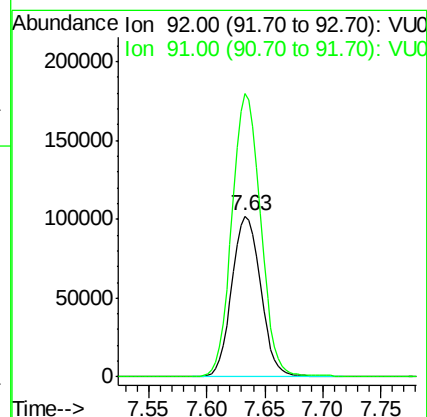
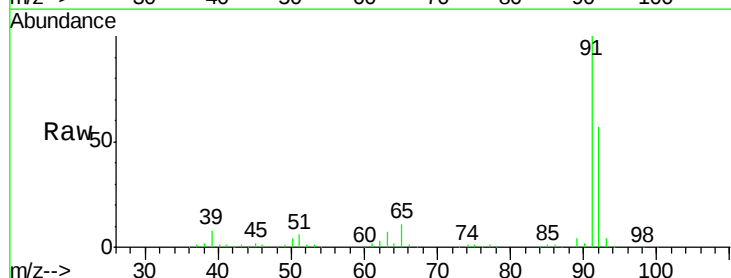
Acq: 16 Jan 2019 09:13

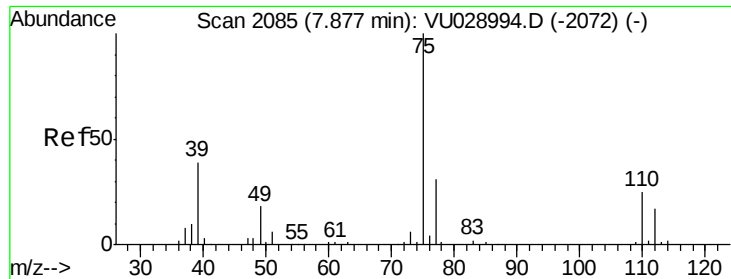
Tgt Ion: 92 Resp: 177257

Ion Ratio Lower Upper

92 100

91 174.6 139.8 209.8





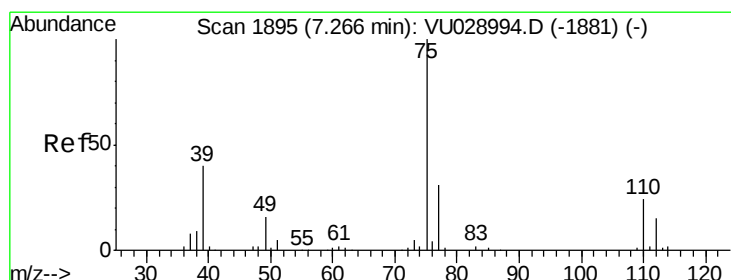
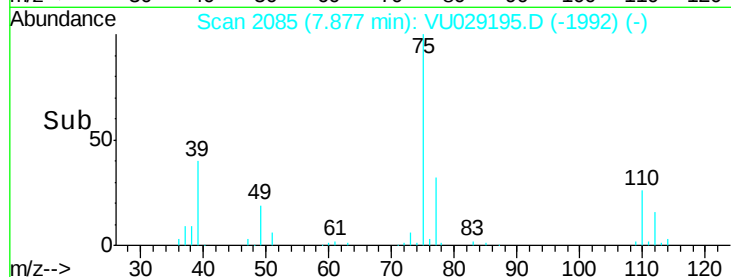
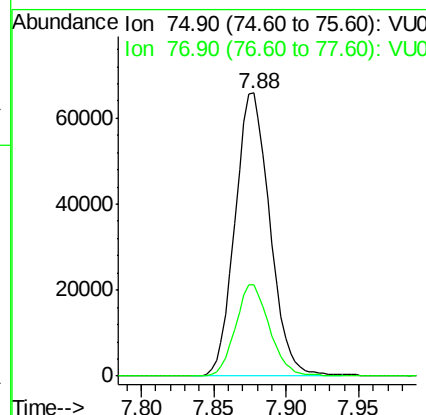
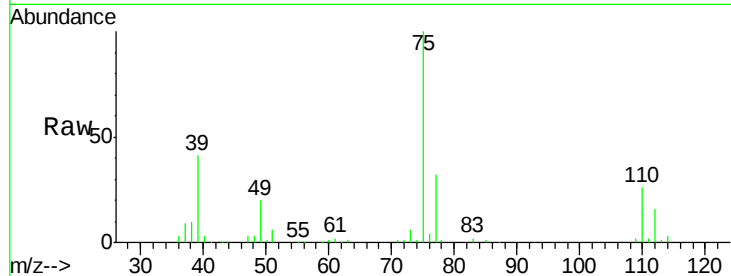
#53  
t-1,3-Dichloropropene  
Concen: 53.162 ug/l  
RT: 7.88 min Scan# 2085  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tot Ion: 75 Resp: 110152  
Ion Ratio Lower Upper  
75 100  
77 32.2 25.0 37.4

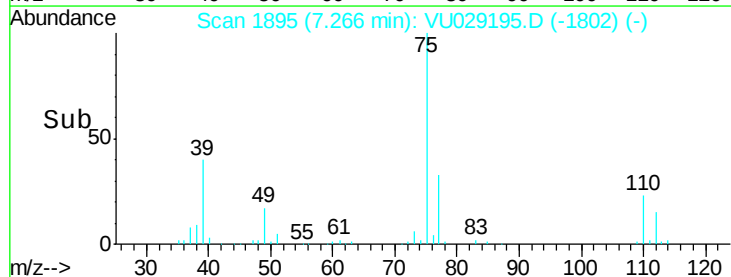
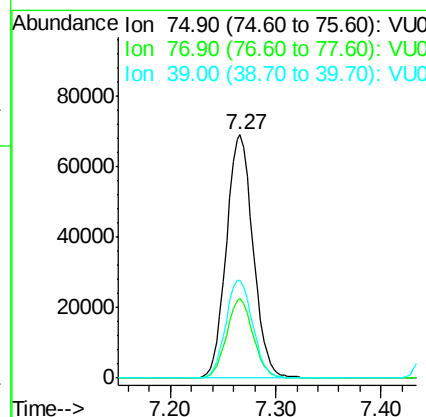
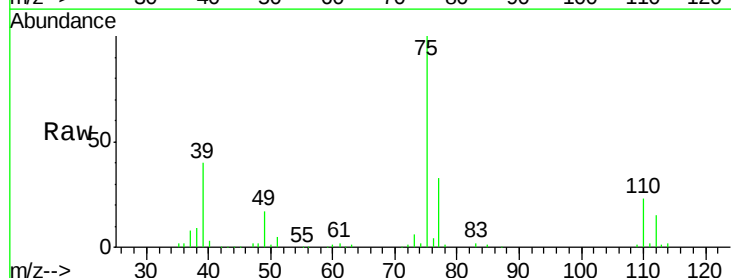
Manual Integrations  
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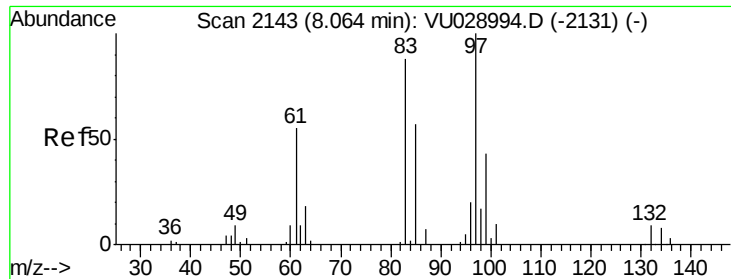
MMDadoda  
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#54  
cis-1,3-Dichloropropene  
Concen: 54.194 ug/l  
RT: 7.27 min Scan# 1895  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Tgt Ion: 75 Resp: 121336  
Ion Ratio Lower Upper  
75 100  
77 32.5 25.0 37.6  
39 40.2 32.2 48.4





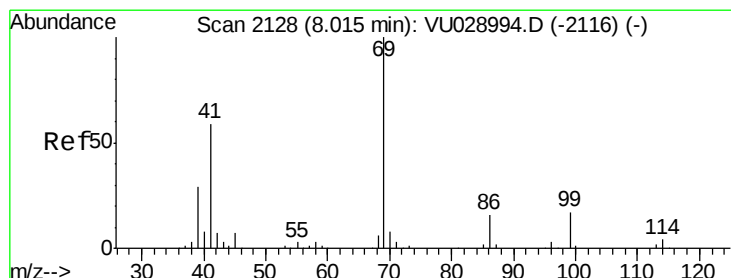
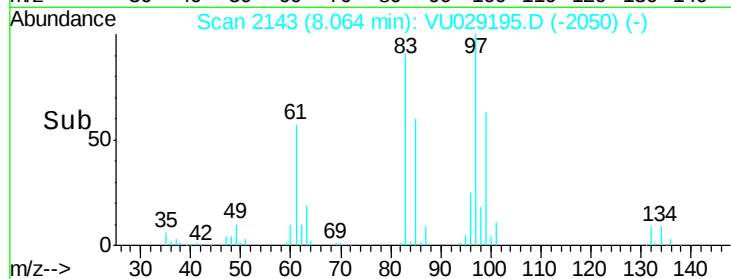
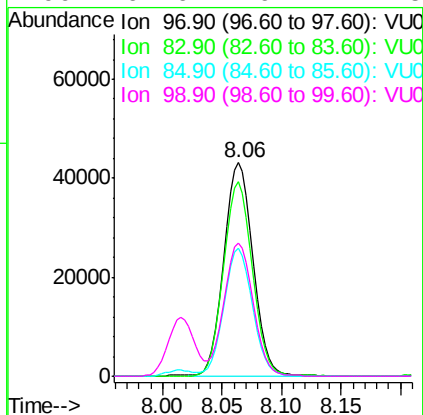
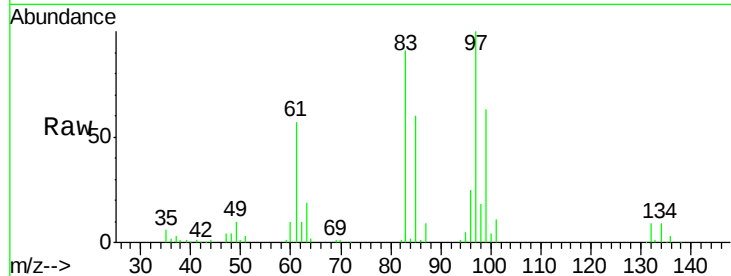
#55  
 1,1,2-Trichloroethane  
 Concen: 54.250 ug/l  
 RT: 8.06 min Scan# 2143  
 Delta R.T. 0.00 min  
 Lab File: VU029195.D  
 Acq: 16 Jan 2019 09:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 73421 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 90.9  | 69.8  | 104.8 |
| 85       | 59.7  | 47.3  | 70.9  |
| 99       | 62.6  | 49.7  | 74.5  |

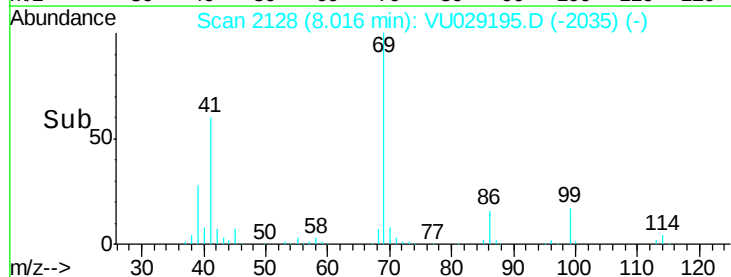
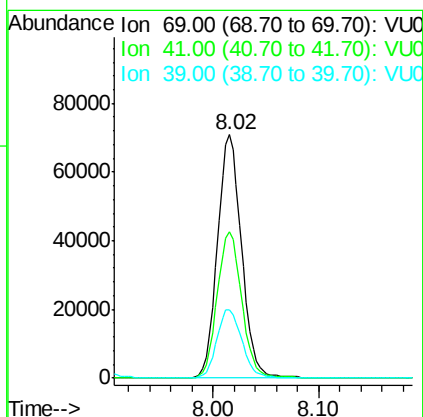
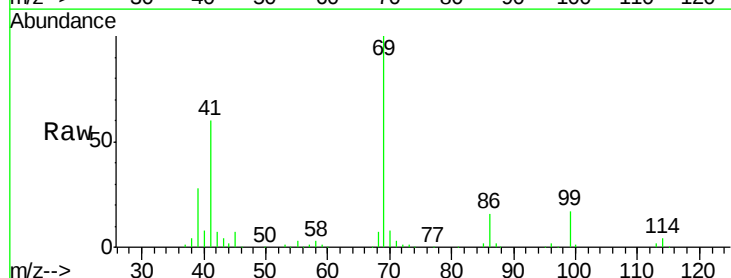
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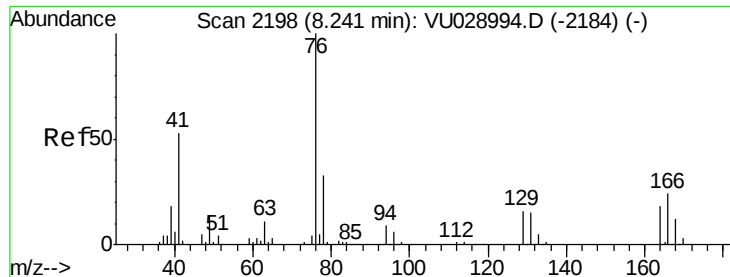
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 1/17/2019 9:43:26 AM



#56  
 Ethyl methacrylate  
 Concen: 53.796 ug/l  
 RT: 8.02 min Scan# 2128  
 Delta R.T. 0.00 min  
 Lab File: VU029195.D  
 Acq: 16 Jan 2019 09:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 112167 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 61.7  | 47.5  | 71.3   |
| 39       | 29.5  | 22.5  | 33.7   |





#57

1,3-Dichloropropane

Concen: 54.342 ug/l

RT: 8.24 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 125845

Ion Ratio Lower Upper

76 100

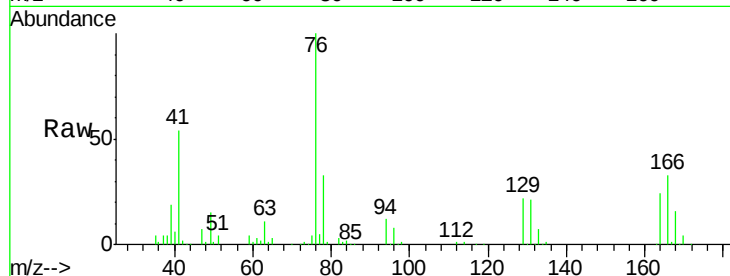
78 32.3 26.0 39.0

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.24

80000

60000

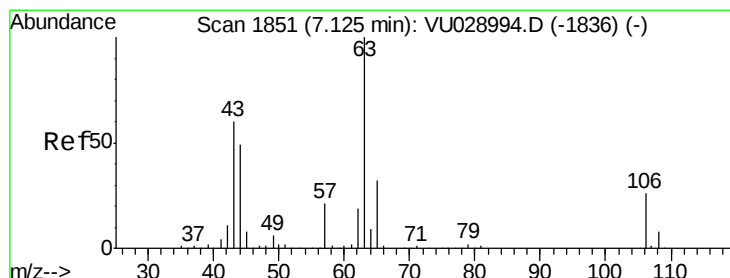
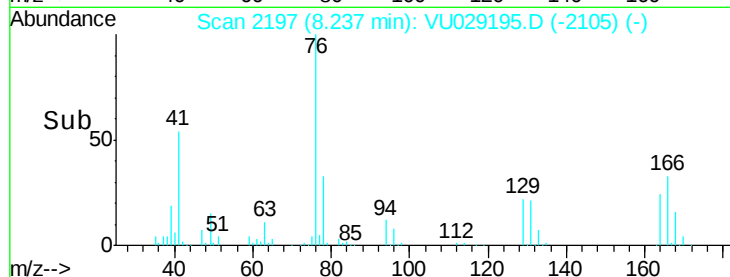
40000

20000

0

Time-->

8.15 8.20 8.25 8.30 8.35



#58

2-Chloroethyl Vinyl ether

Concen: 262.293 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU029195.D

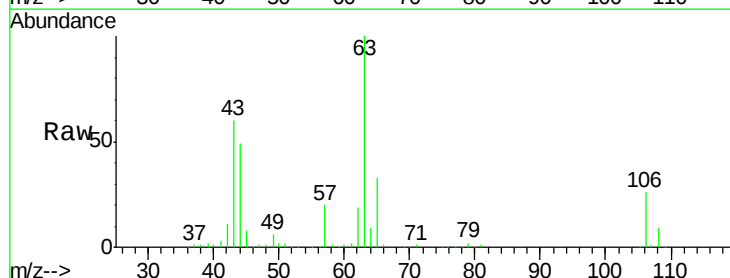
Acq: 16 Jan 2019 09:13

Tgt Ion: 63 Resp: 240514

Ion Ratio Lower Upper

63 100

106 25.5 20.6 31.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.12

150000

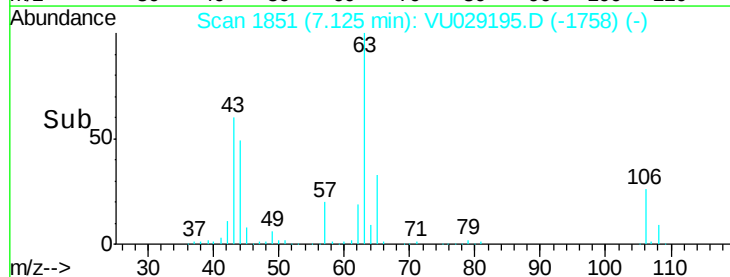
100000

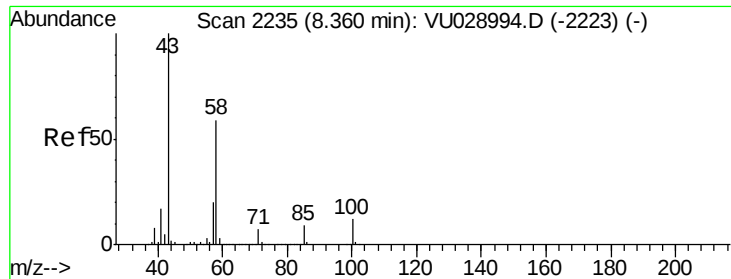
50000

0

Time-->

7.10 7.20





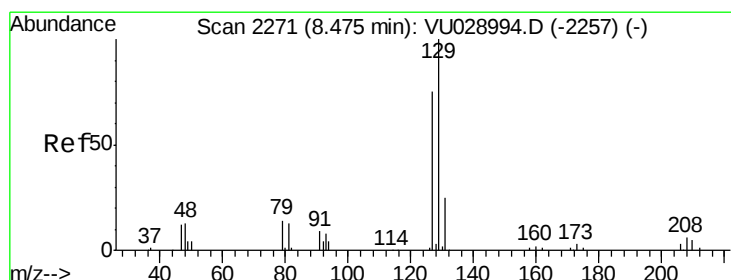
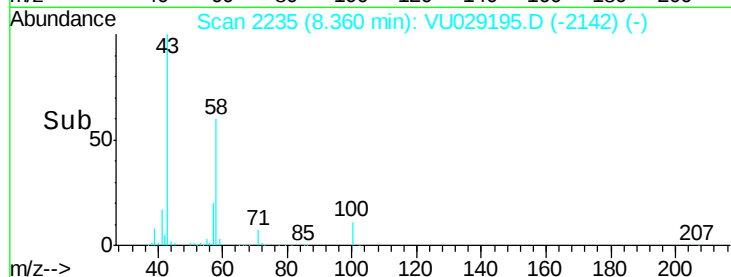
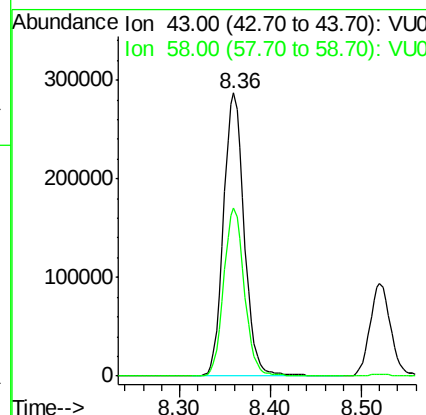
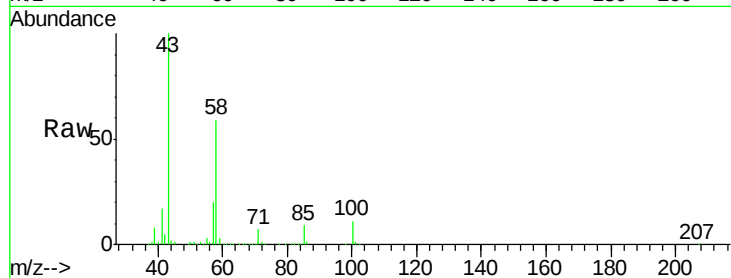
#59  
2-Hexanone  
Concen: 284.629 ug/l  
RT: 8.36 min Scan# 2235  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 455486  
Ion Ratio Lower Upper  
43 100  
58 59.0 29.8 89.4

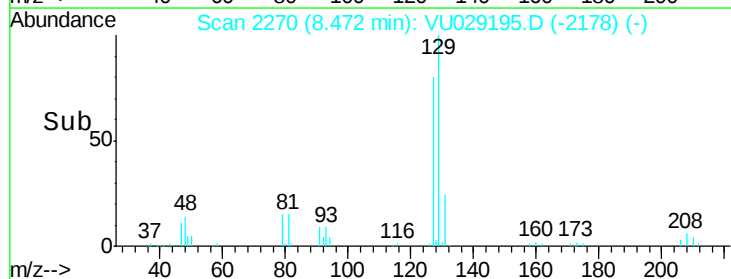
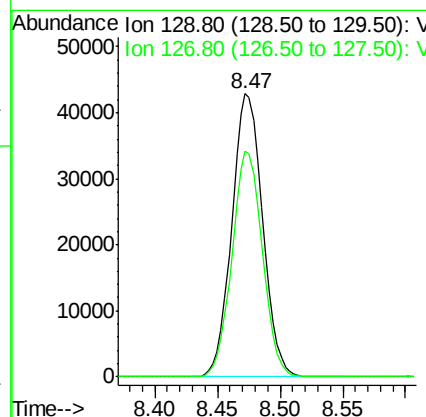
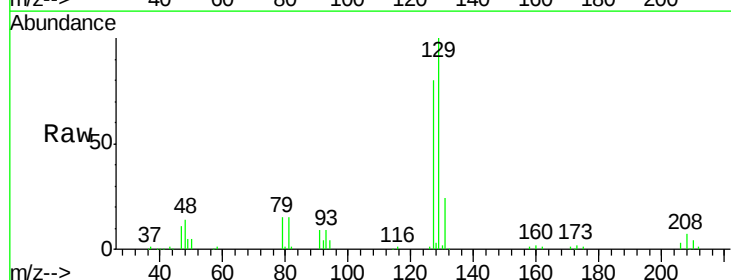
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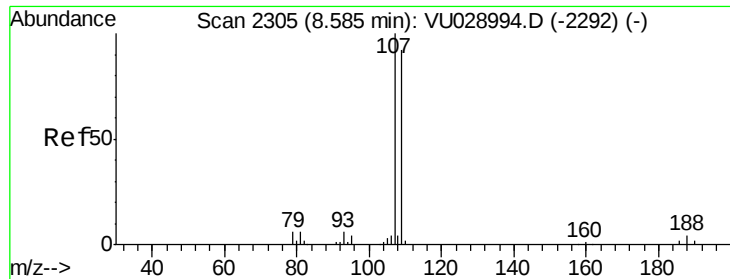
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#60  
Dibromochloromethane  
Concen: 54.559 ug/l  
RT: 8.47 min Scan# 2270  
Delta R.T. -0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Tgt Ion: 129 Resp: 73154  
Ion Ratio Lower Upper  
129 100  
127 78.7 38.0 114.0





#61

1,2-Dibromoethane

Concen: 52.730 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 77398

Ion Ratio Lower Upper

107 100

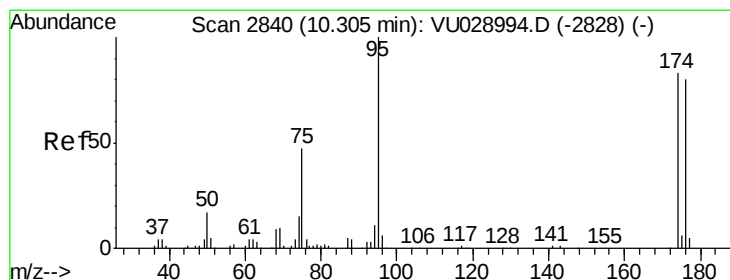
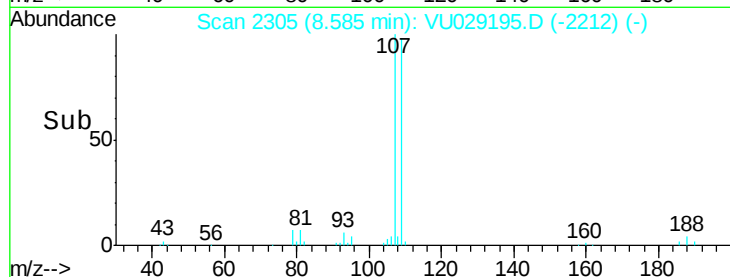
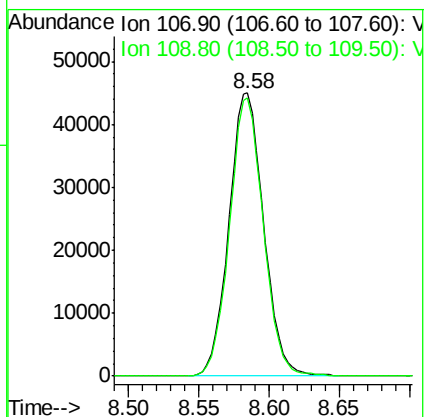
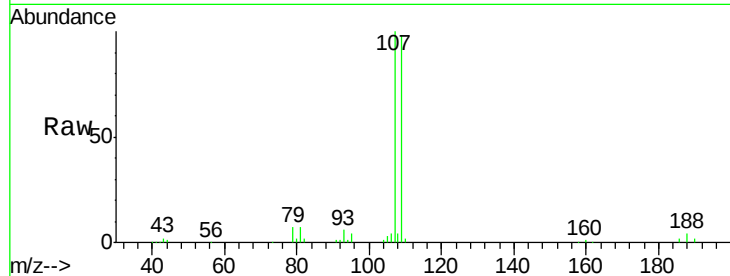
109 95.7 75.5 113.3

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#62

4-Bromofluorobenzene

Concen: 54.045 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

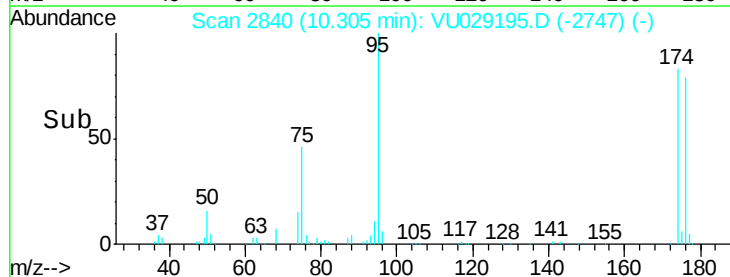
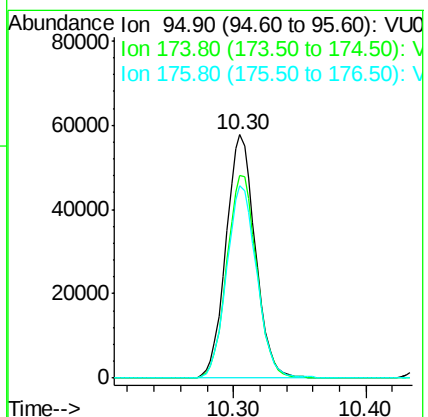
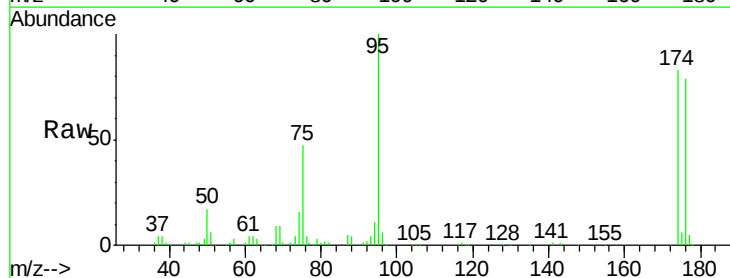
Tgt Ion: 95 Resp: 88469

Ion Ratio Lower Upper

95 100

174 85.3 0.0 170.6

176 81.5 0.0 165.0





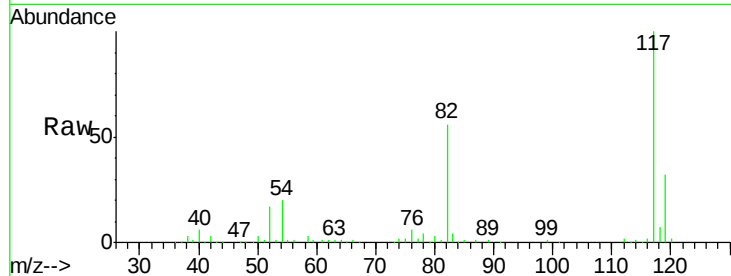
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2461  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

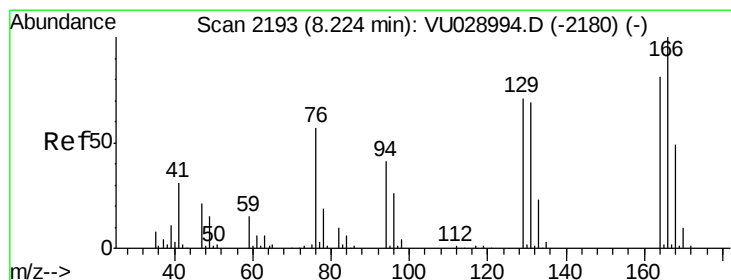
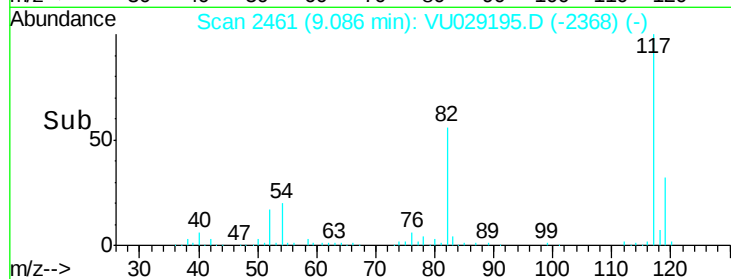
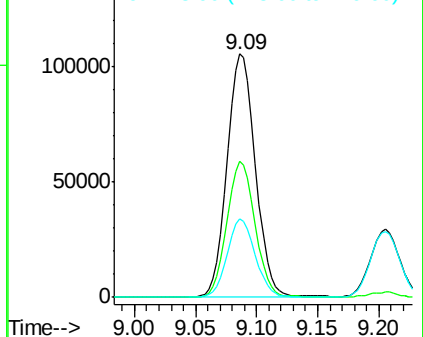
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.6  | 43.9  | 65.9  |
| 119     | 32.3  | 26.0  | 39.0  |

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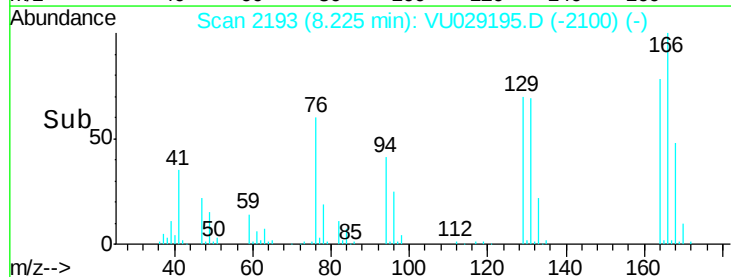
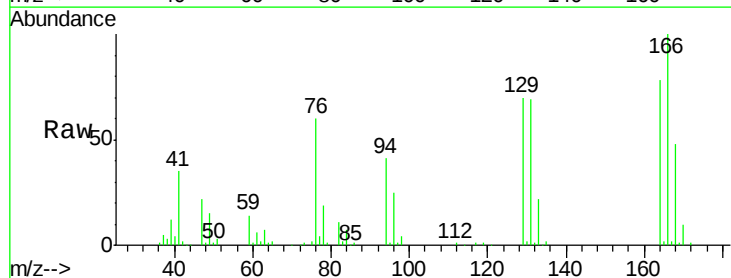
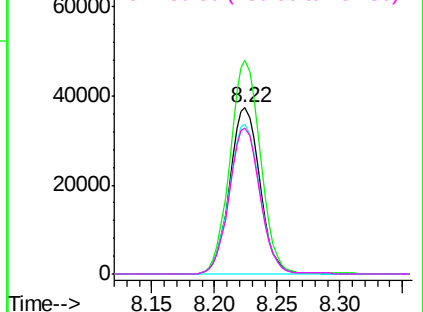
Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

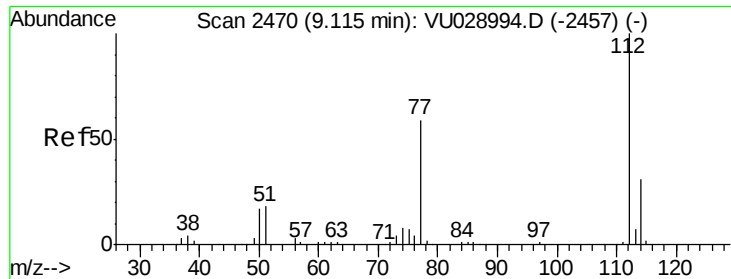


#64  
Tetrachloroethene  
Concen: 50.594 ug/l  
RT: 8.22 min Scan# 2193  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.8 | 99.4  | 149.0 |
| 129     | 90.4  | 70.5  | 105.7 |
| 131     | 88.2  | 69.0  | 103.6 |

Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 50.361 ug/l

RT: 9.12 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 194391

Ion Ratio Lower Upper

112 100

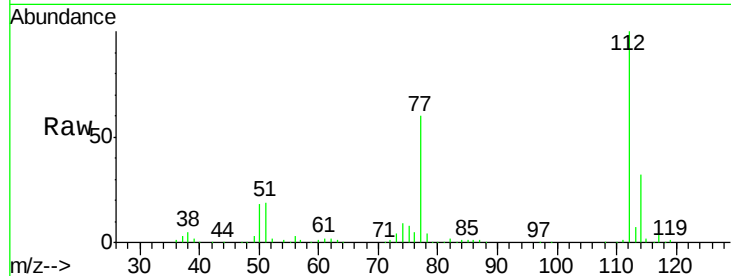
114 32.4 25.0 37.6

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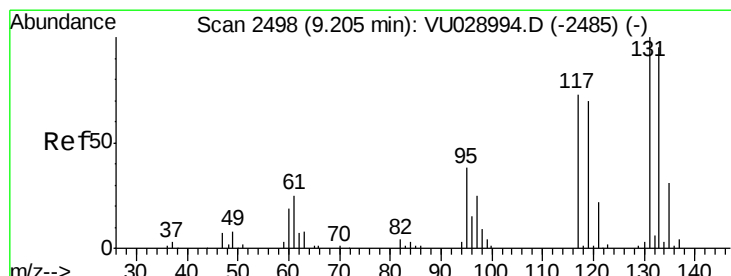
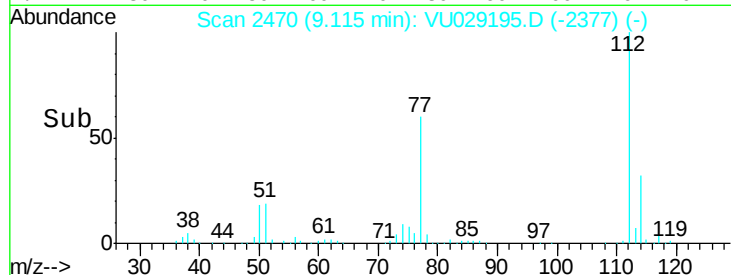
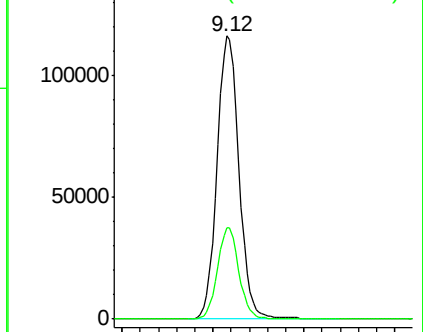
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.832 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

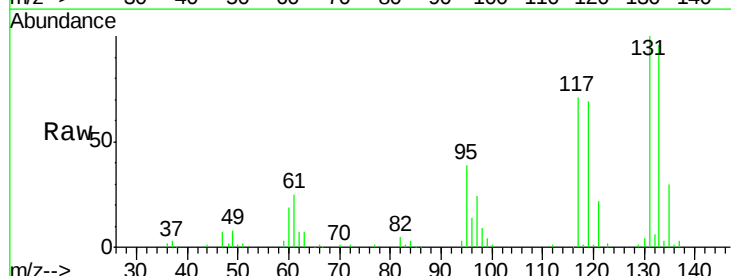
Tgt Ion:131 Resp: 67433

Ion Ratio Lower Upper

131 100

133 96.4 48.2 144.6

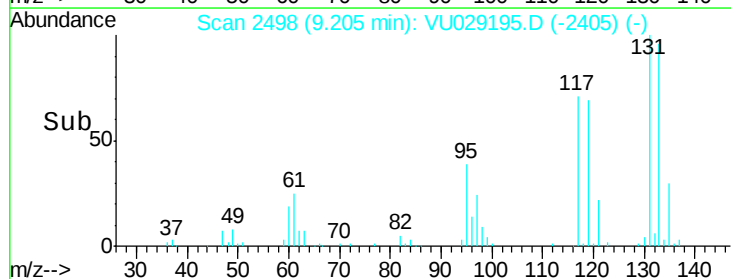
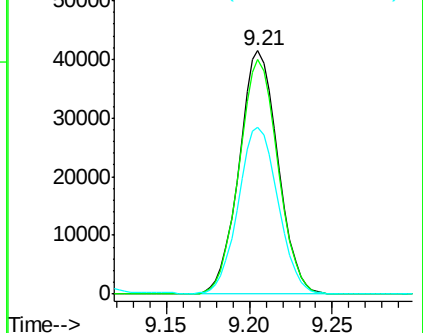
119 70.4 35.4 106.3

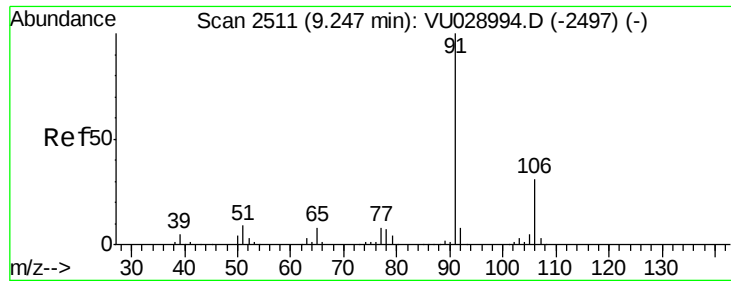


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





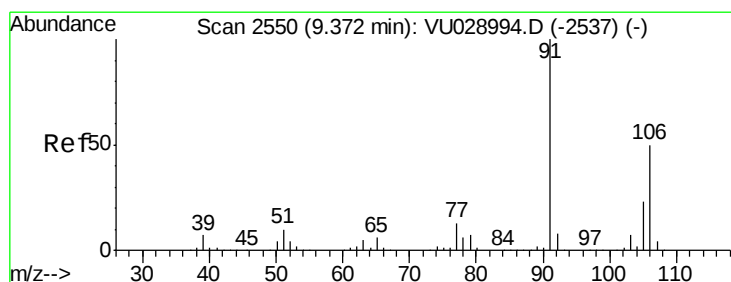
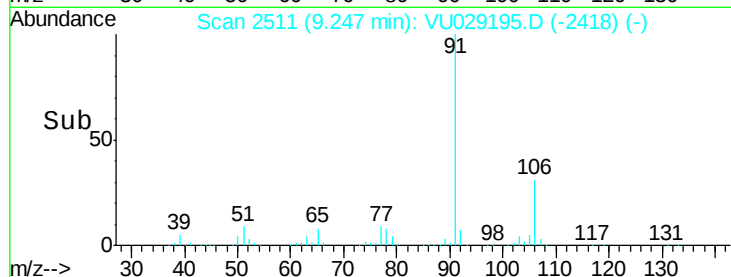
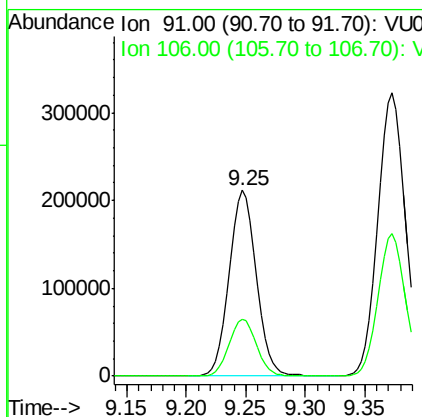
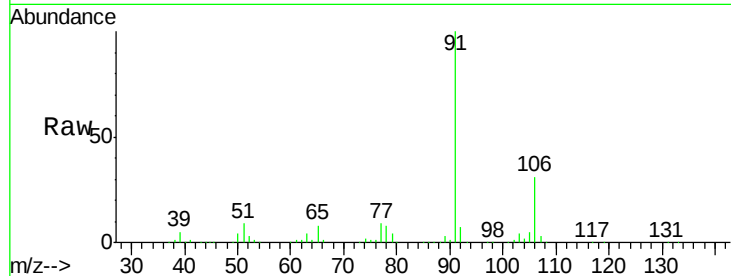
#67  
Ethyl Benzene  
Concen: 52.163 ug/l  
RT: 9.25 min Scan# 2511  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 336160  
Ion Ratio Lower Upper  
91 100  
106 30.8 25.0 37.4

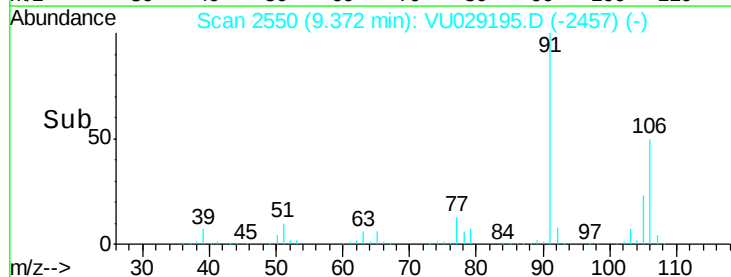
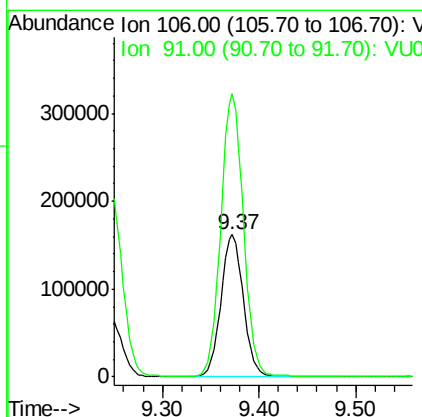
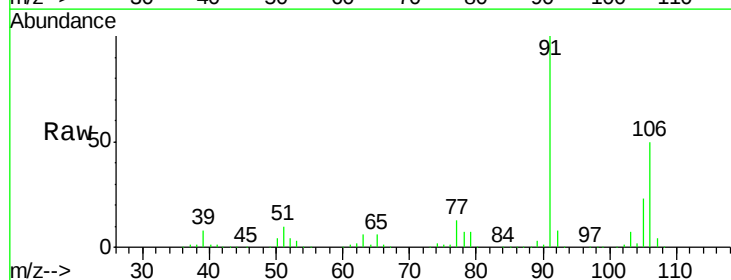
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#68  
m/p-Xylenes  
Concen: 104.210 ug/l  
RT: 9.37 min Scan# 2550  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Tgt Ion: 106 Resp: 260939  
Ion Ratio Lower Upper  
106 100  
91 200.5 161.7 242.5





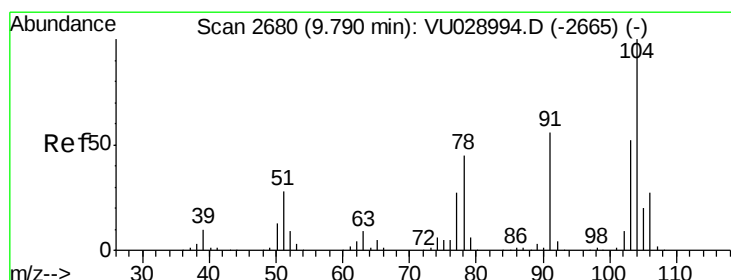
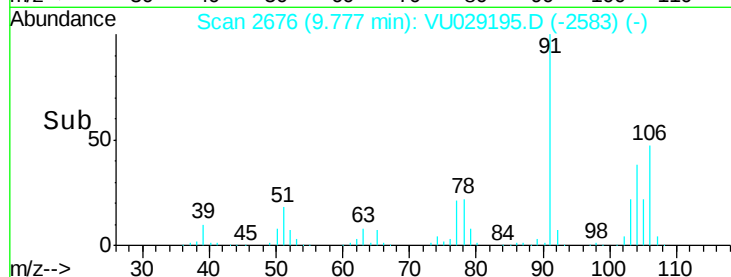
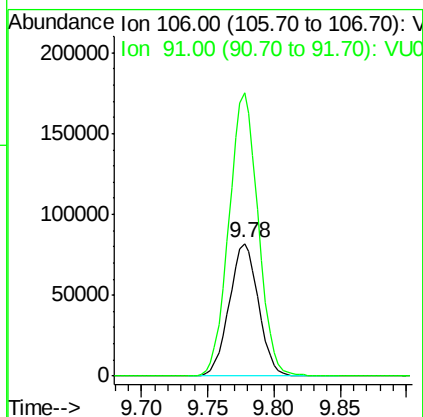
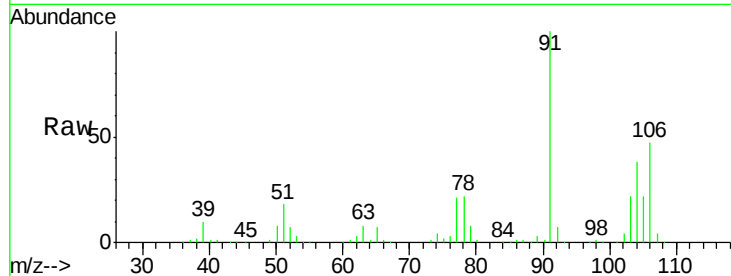
#69  
o-Xylene  
Concen: 52.076 ug/l  
RT: 9.78 min Scan# 2676  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 213.9 | 106.1 | 318.3 |

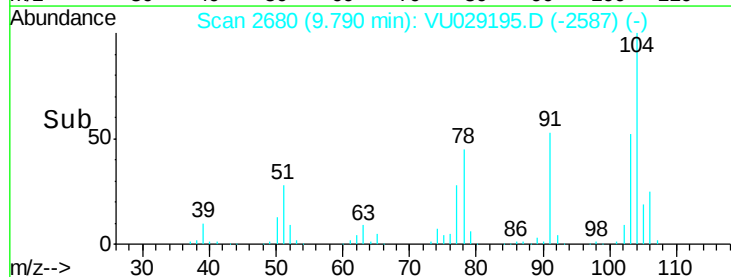
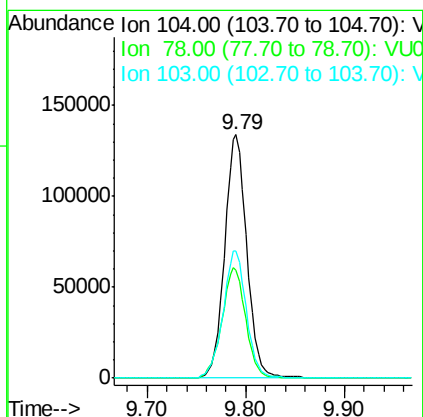
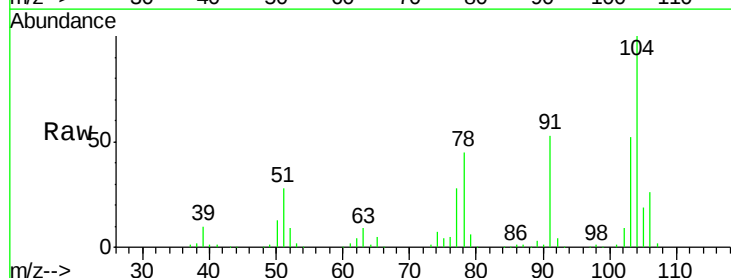
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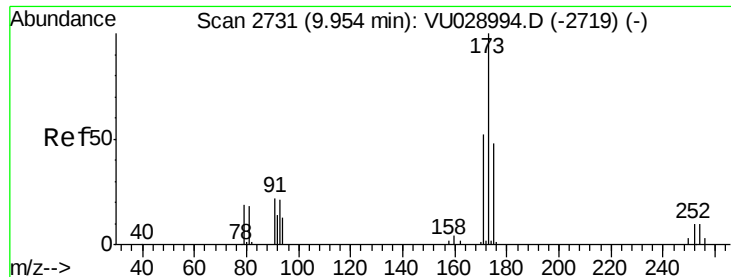
MMDadoda  
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#70  
Styrene  
Concen: 53.569 ug/l  
RT: 9.79 min Scan# 2680  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 48.6  | 38.6  | 58.0  |
| 103     | 55.0  | 44.5  | 66.7  |





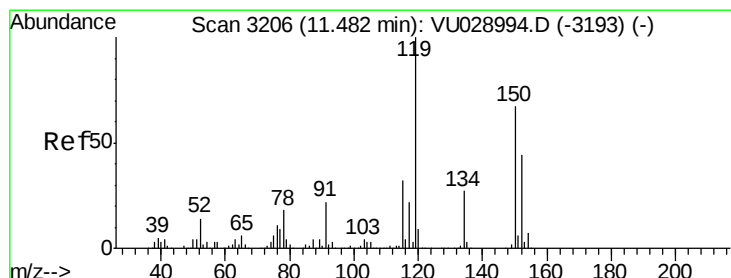
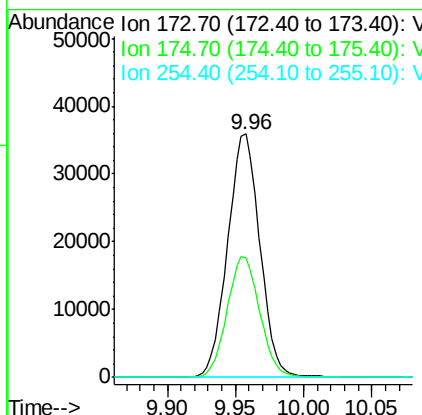
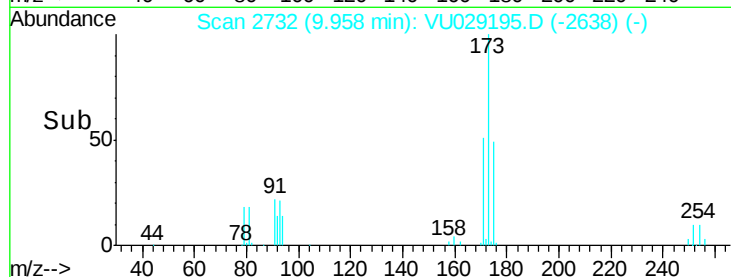
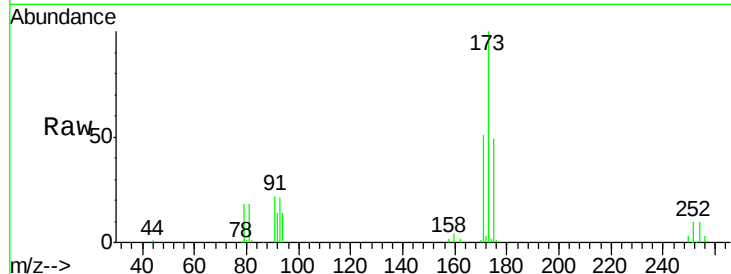
#71  
Bromoform  
Concen: 52.815 ug/l  
RT: 9.96 min Scan# 2732  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 50.0  | 23.8  | 71.2  |
| 254     | 0.0   | 0.0   | 0.0   |

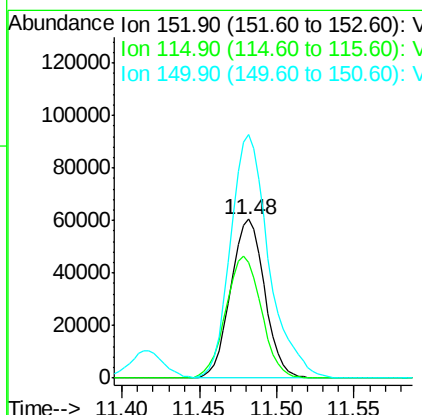
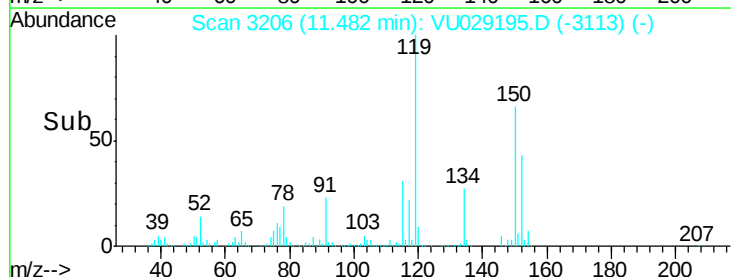
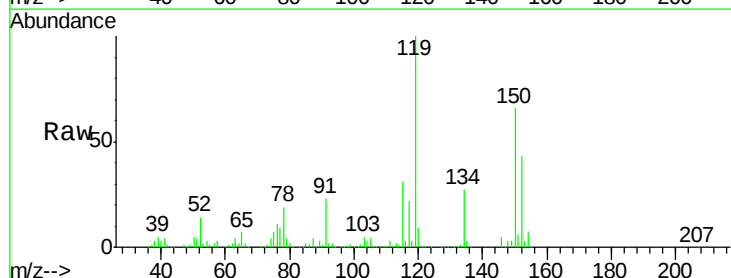
Manual Integrations  
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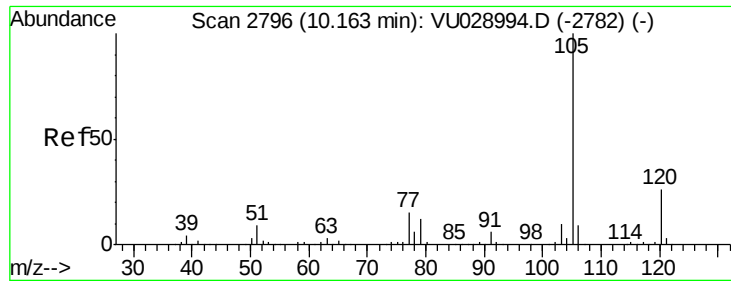
MMDadoda  
1/17/2019 9:43:26 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3206  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 80.3  | 40.1  | 120.3 |
| 150     | 172.5 | 0.0   | 345.2 |





#73

Isopropylbenzene

Concen: 48.610 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 331063

Ion Ratio Lower Upper

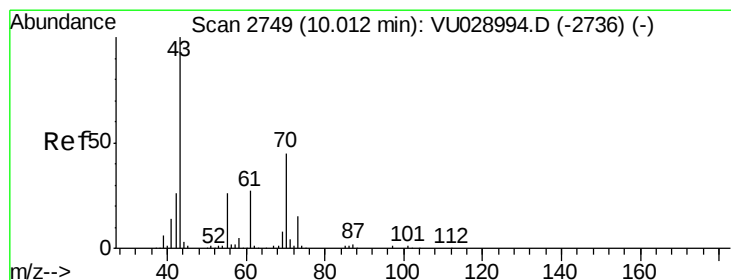
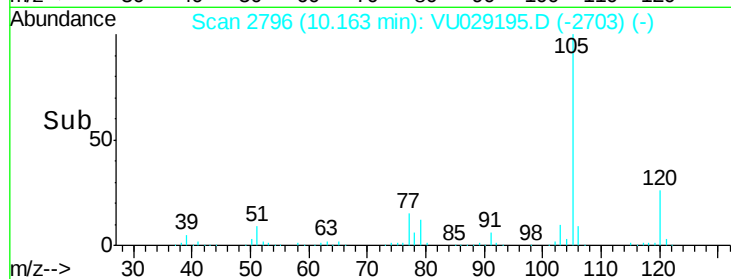
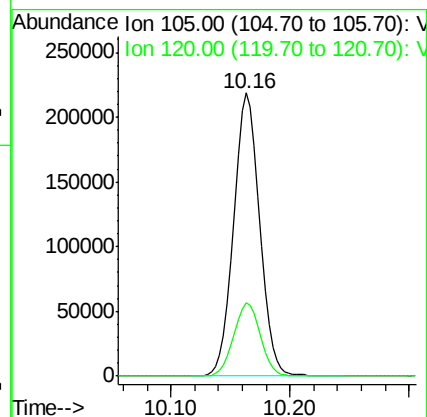
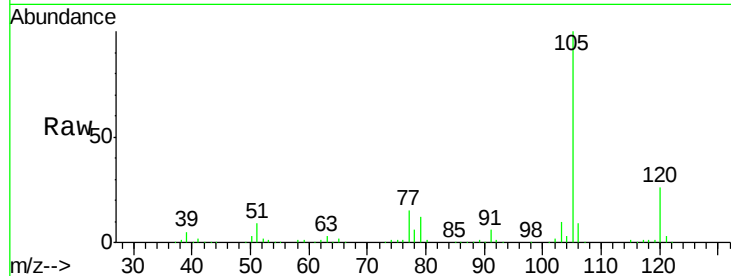
105 100

120 26.6 13.2 39.5

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#74

N-ethyl acetate

Concen: 49.113 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Tgt Ion: 43 Resp: 144136

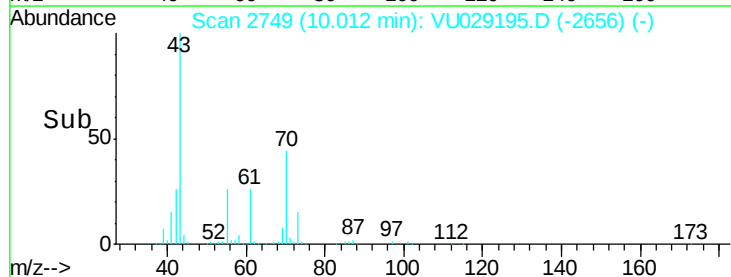
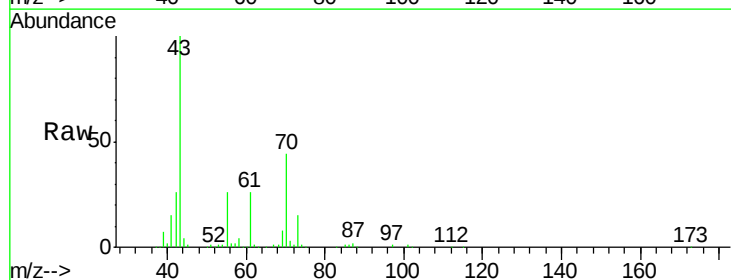
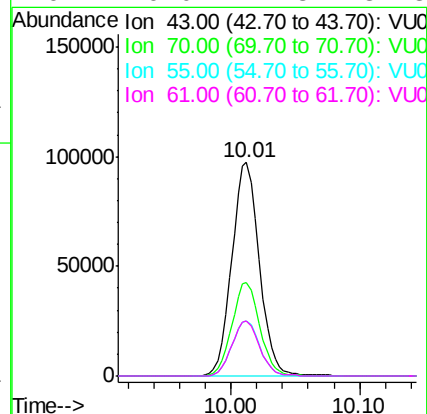
Ion Ratio Lower Upper

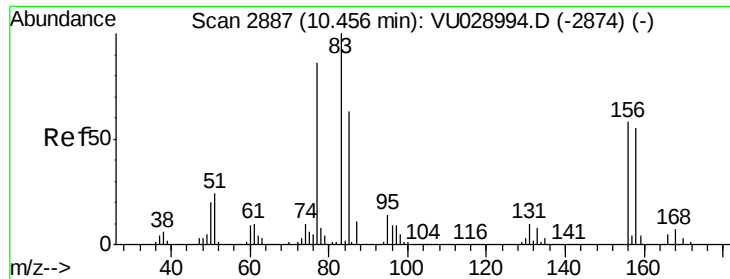
43 100

70 44.3 36.3 54.5

55 26.1 20.5 30.7

61 26.0 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.273 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

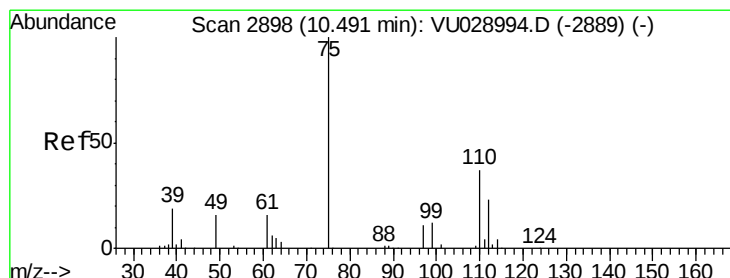
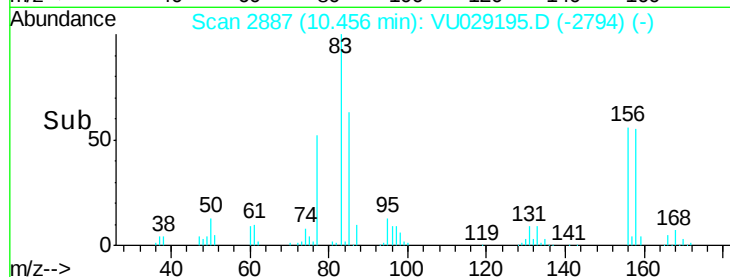
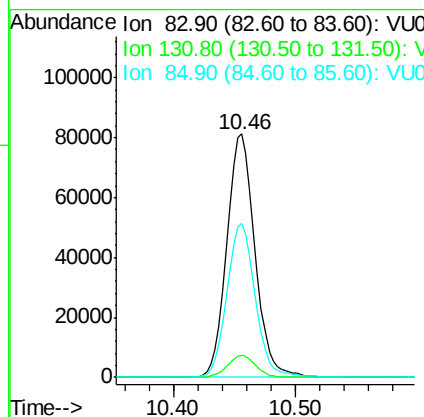
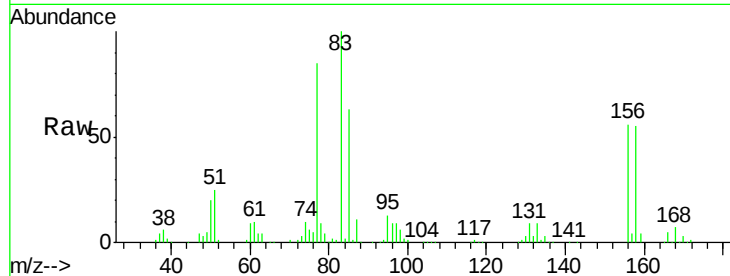
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 131764 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 8.9   | 4.7   | 14.1   |
| 85        | 63.7  | 32.0  | 96.2   |

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#76

1,2,3-Trichloropropane

Concen: 46.987 ug/l m

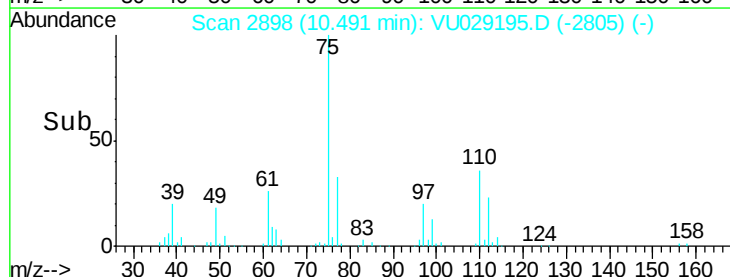
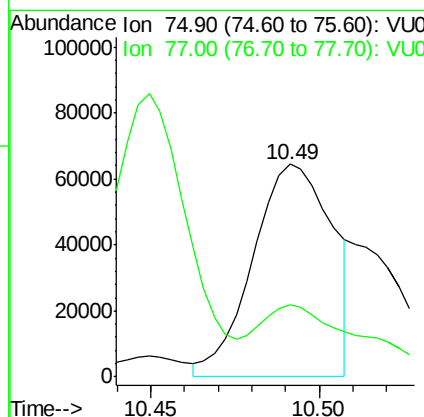
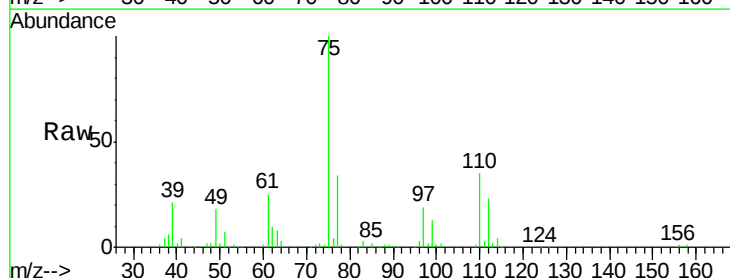
RT: 10.49 min Scan# 2898

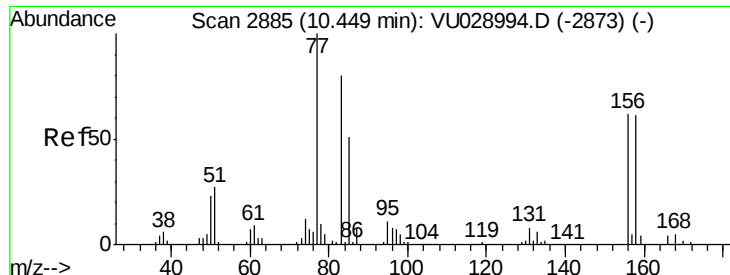
Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 105931 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 45.4  | 20.9  | 62.8   |





#77

Bromobenzene

Concen: 47.490 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 84286

Ion Ratio Lower Upper

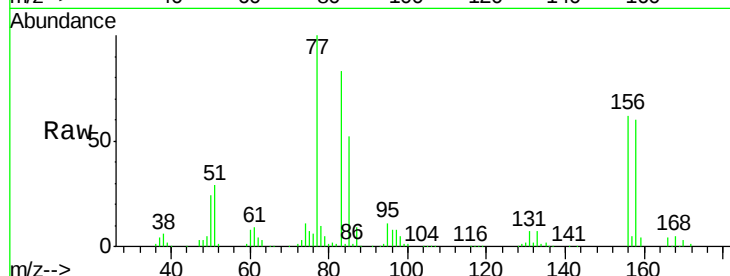
156 100

77 161.1 79.0 237.2

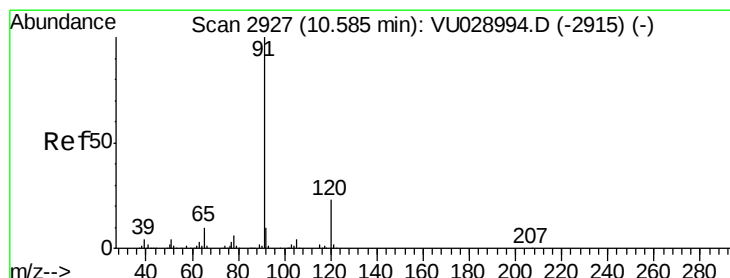
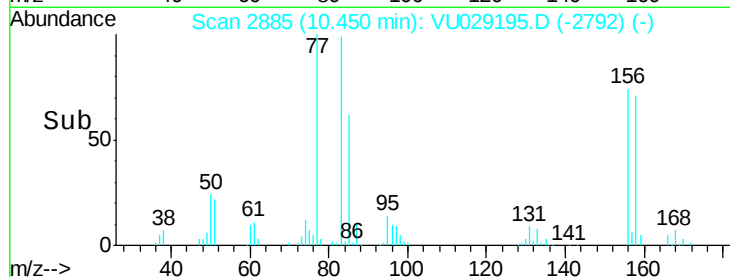
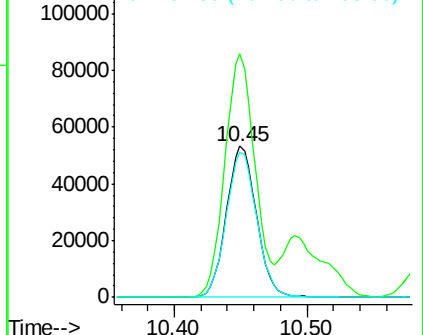
158 97.1 48.9 146.6

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Abundance Ion 155.80 (155.50 to 156.50): V  
Ion 77.00 (76.70 to 77.70): VU0  
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.491 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029195.D

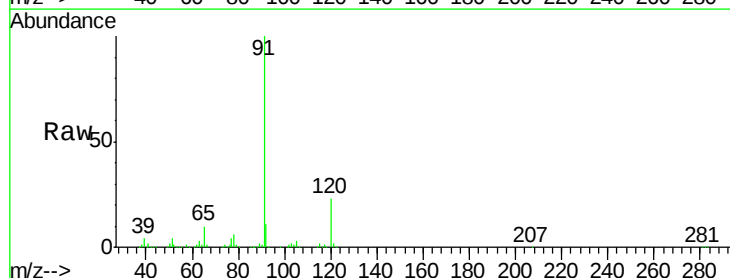
Acq: 16 Jan 2019 09:13

Tgt Ion: 91 Resp: 405244

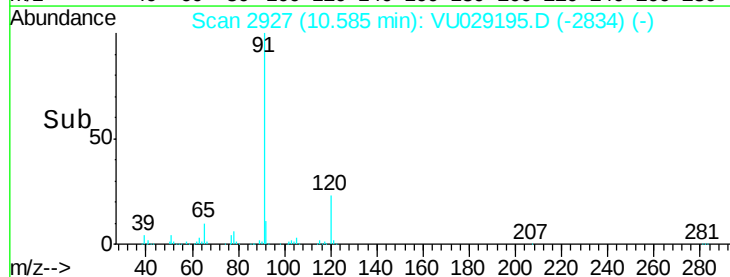
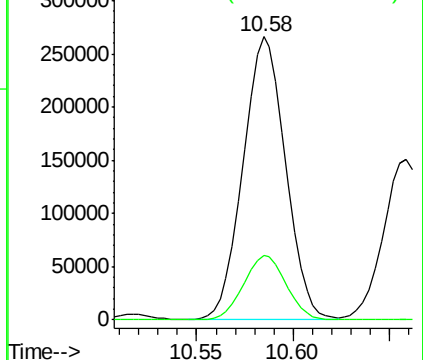
Ion Ratio Lower Upper

91 100

120 22.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0  
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.104 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 234205

Ion Ratio Lower Upper

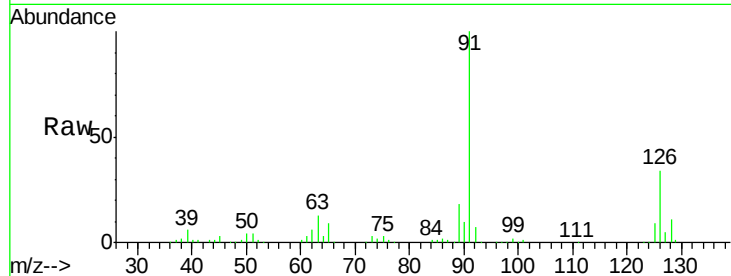
91 100

126 34.5 16.8 50.4

Manual Integrations  
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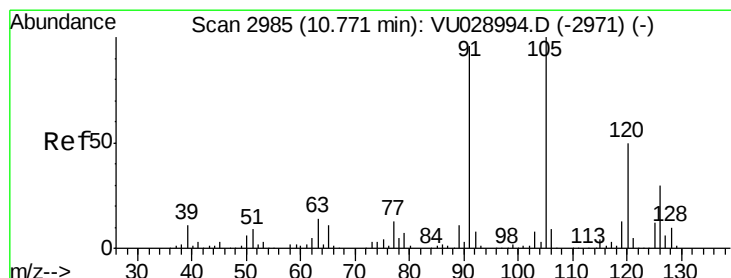
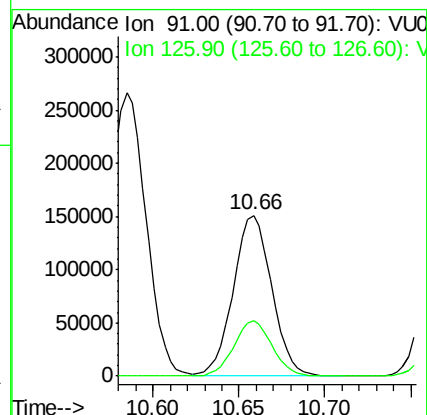
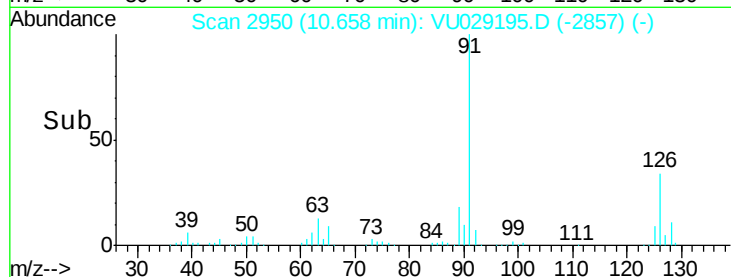
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Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028994.D (-2939) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.982 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029195.D

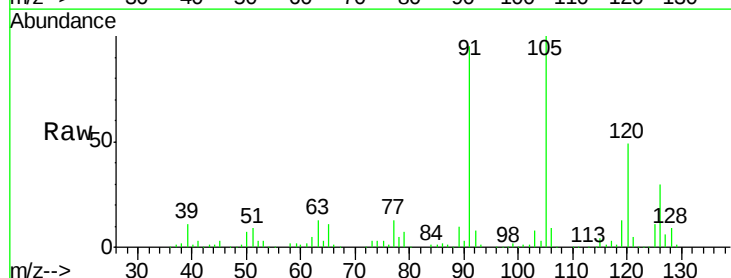
Acq: 16 Jan 2019 09:13

Tgt Ion: 105 Resp: 284266

Ion Ratio Lower Upper

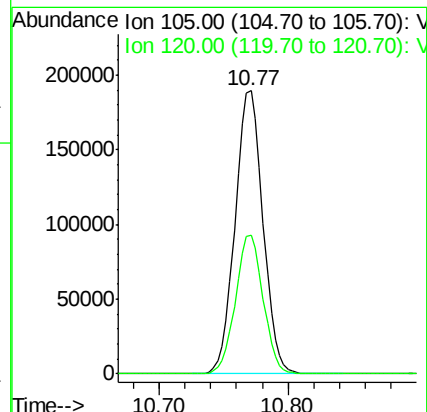
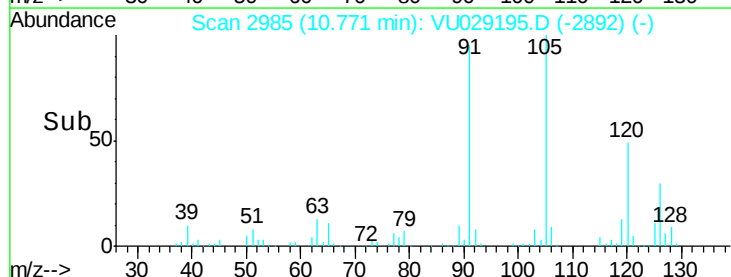
105 100

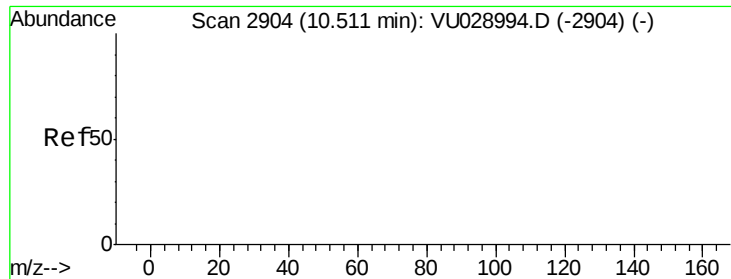
120 48.7 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VU028994.D (-2971) (-)

Ion 120.00 (119.70 to 120.70): VU028994.D (-2971) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.150 ug/l m

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

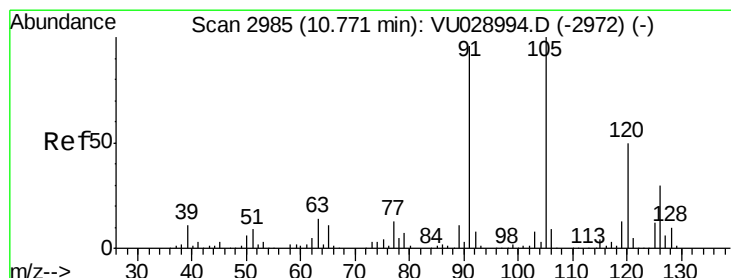
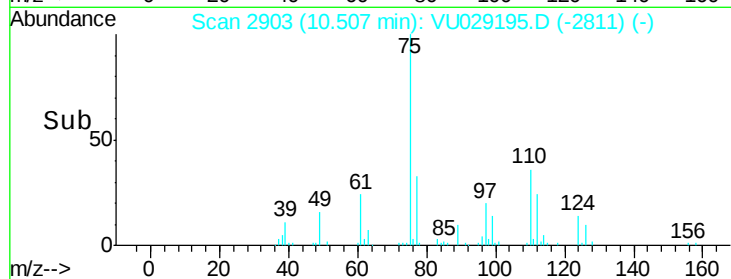
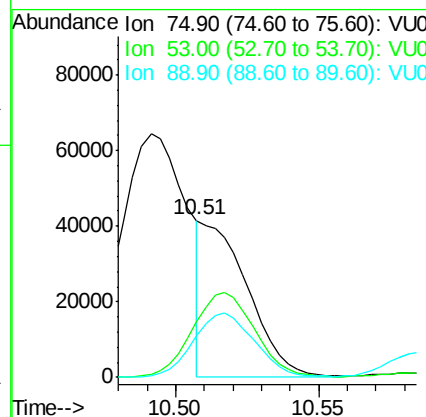
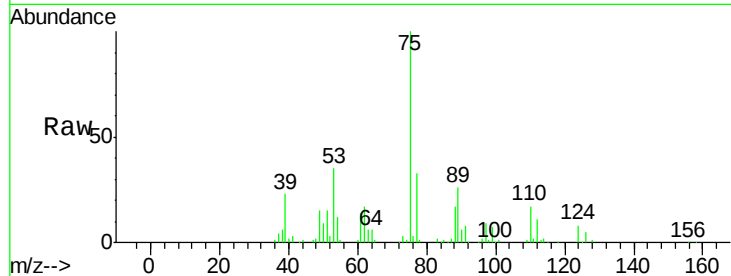
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 45587 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 0.0   | 0.0   | 0.0   |
| 89       | 0.0   | 0.0   | 0.0   |

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 49.327 ug/l

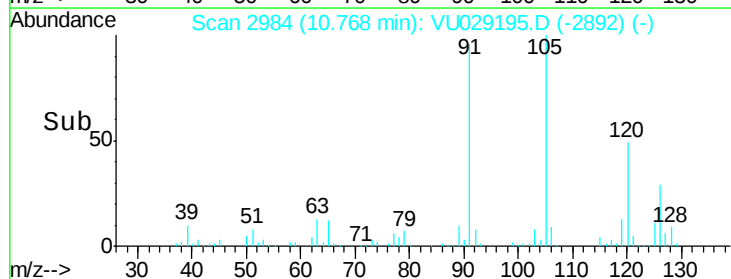
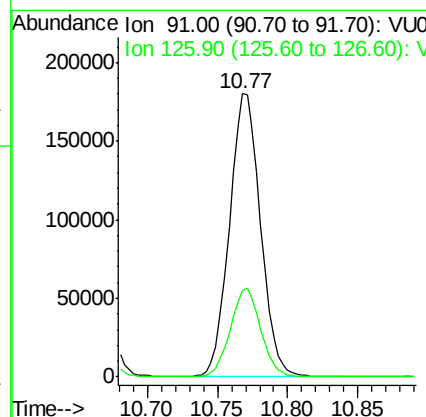
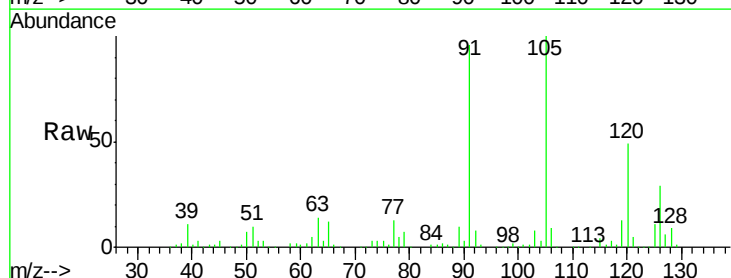
RT: 10.77 min Scan# 2984

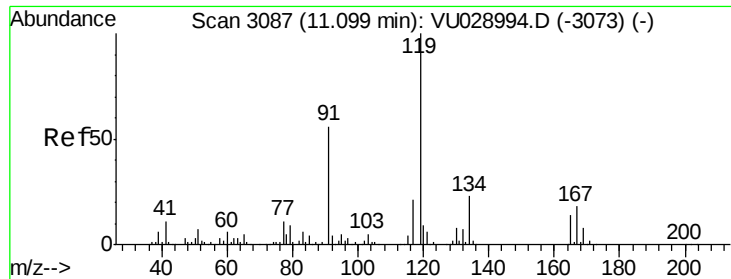
Delta R.T. -0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 275385 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 31.0  | 15.5  | 46.5   |





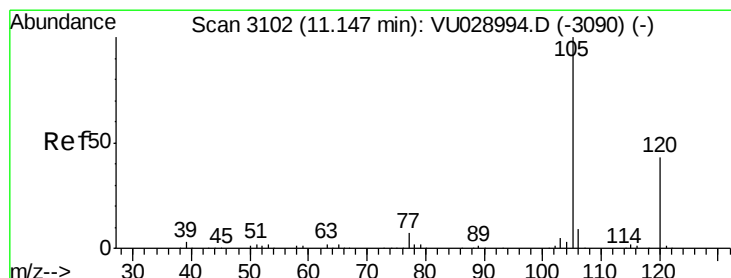
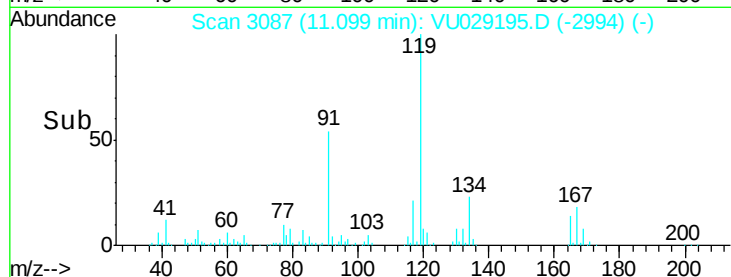
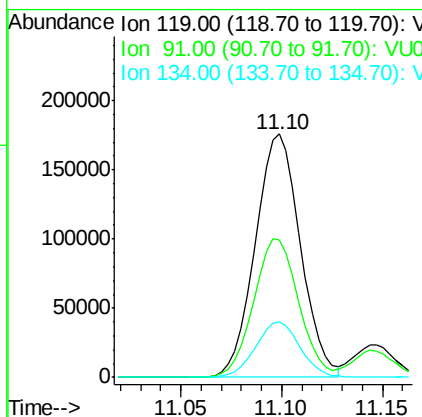
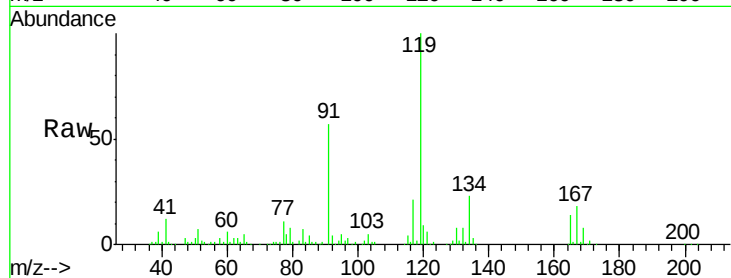
#83  
tert-Butylbenzene  
Concen: 49.061 ug/l  
RT: 11.10 min Scan# 3087  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 275018 |       |       |
| 91      | 56.7  | 28.2   | 84.6  |       |
| 134     | 22.5  | 11.3   | 33.8  |       |

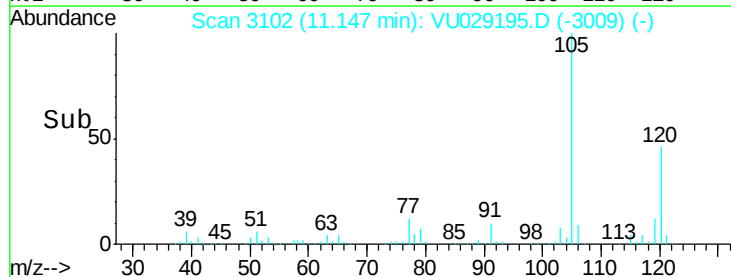
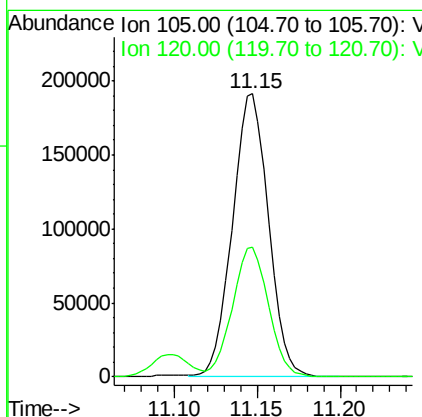
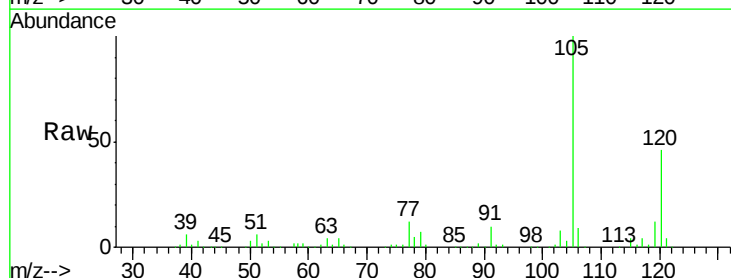
Manual Integrations  
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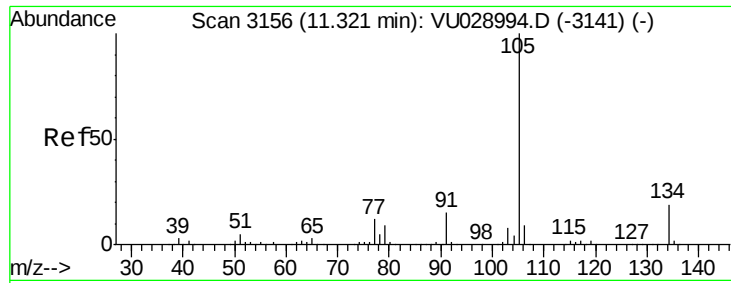
MMDadoda  
1/17/2019 9:43:26 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 50.746 ug/l  
RT: 11.15 min Scan# 3102  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 288151 |       |       |
| 120     | 45.9  | 23.1   | 69.3  |       |





#85

sec-Butylbenzene

Concen: 51.331 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 347995

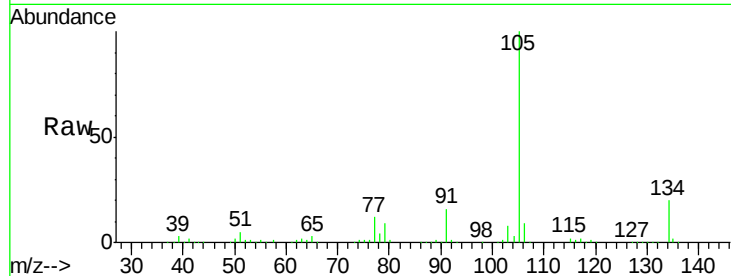
Ion Ratio Lower Upper

105 100

134 19.4 9.7 29.1

Manual Integrations  
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1/17/2019 9:43:26 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

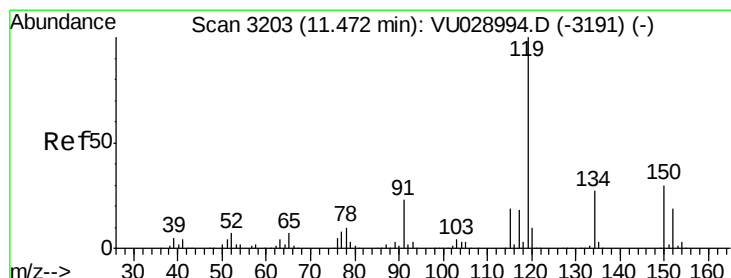
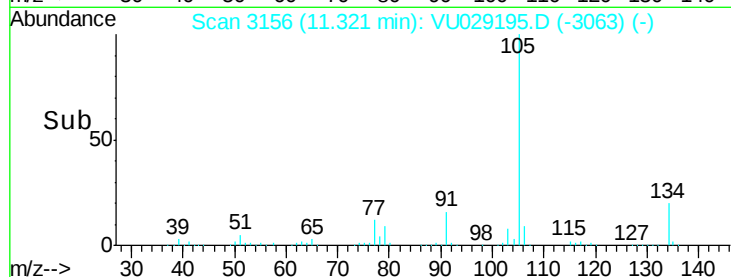
50000

0

11.32

11.40

Time-->



#86

p-Isopropyltoluene

Concen: 52.503 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU029195.D

Acq: 16 Jan 2019 09:13

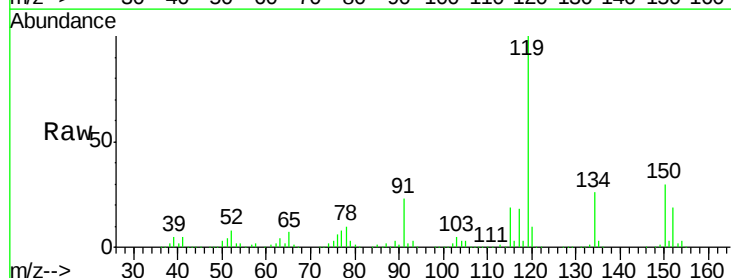
Tgt Ion:119 Resp: 303305

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 23.3 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

250000

200000

150000

100000

50000

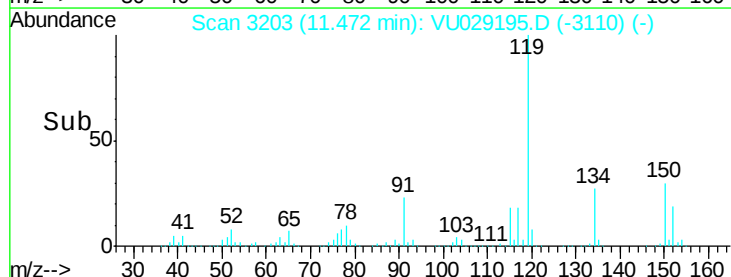
0

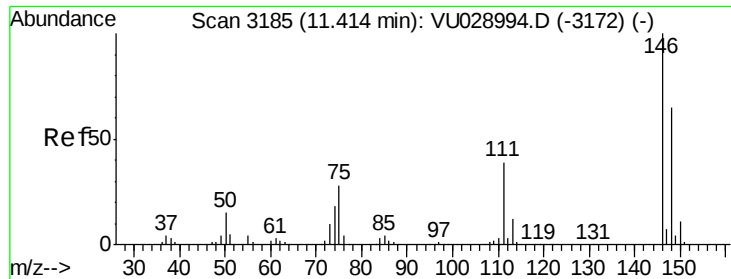
11.47

11.50

11.55

Time-->





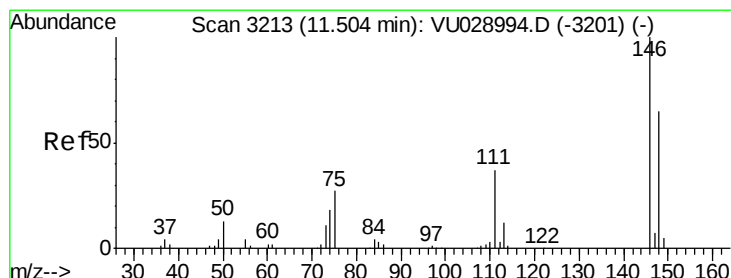
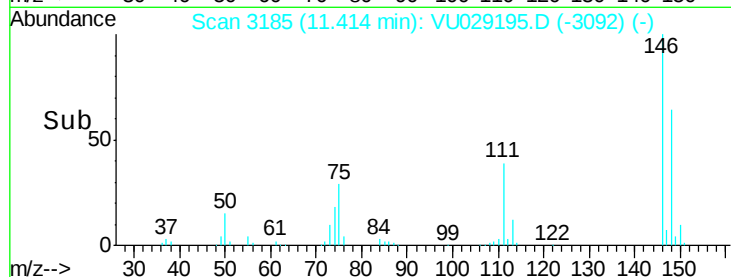
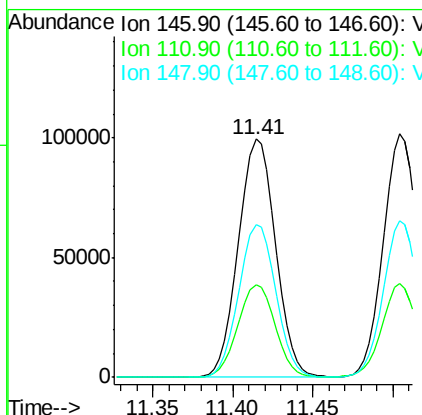
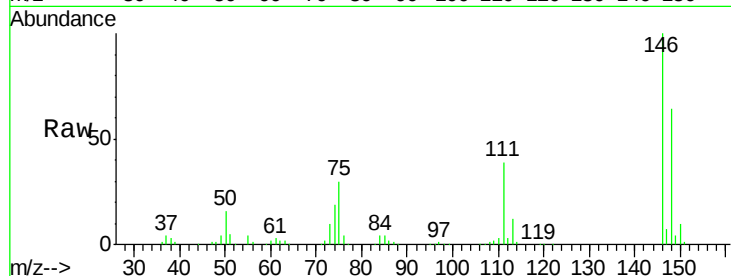
#87  
 1,3-Dichlorobenzene  
 Concen: 48.455 ug/l  
 RT: 11.41 min Scan# 3185  
 Delta R.T. 0.00 min  
 Lab File: VU029195.D  
 Acq: 16 Jan 2019 09:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.2  | 19.3  | 57.8  |
| 148     | 64.1  | 32.5  | 97.5  |

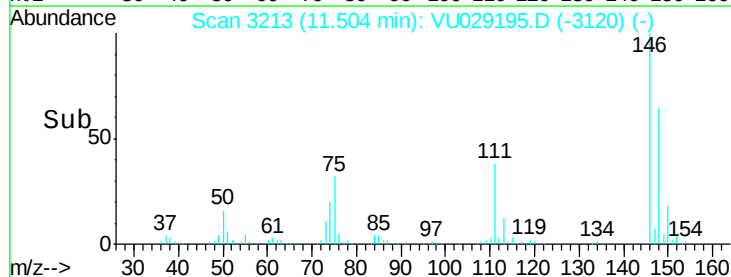
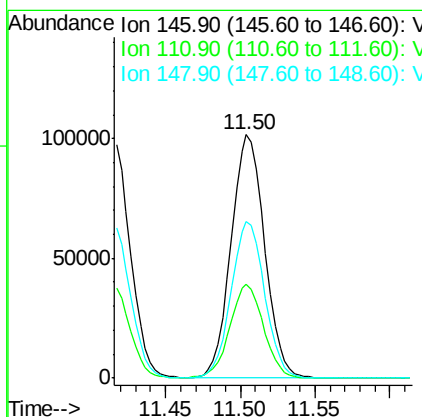
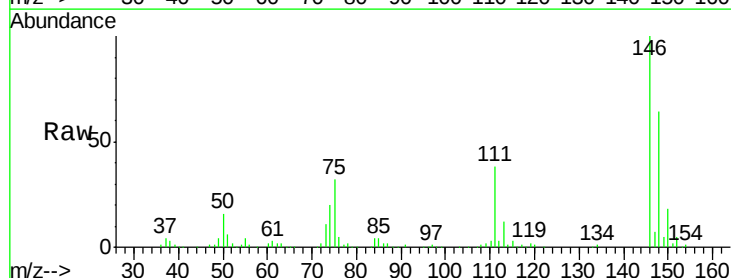
Manual Integrations  
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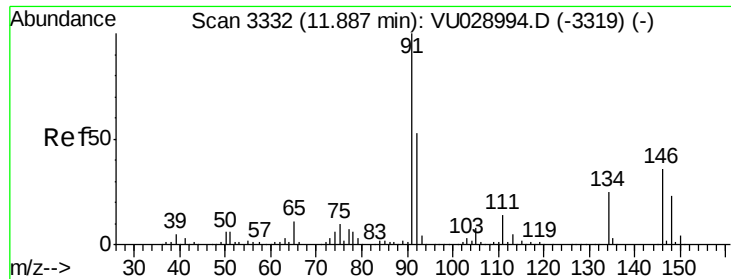
MMDadoda  
 1/17/2019 9:43:26 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 47.114 ug/l  
 RT: 11.50 min Scan# 3213  
 Delta R.T. 0.00 min  
 Lab File: VU029195.D  
 Acq: 16 Jan 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.0  | 19.1  | 57.3  |
| 148     | 64.8  | 32.6  | 98.0  |





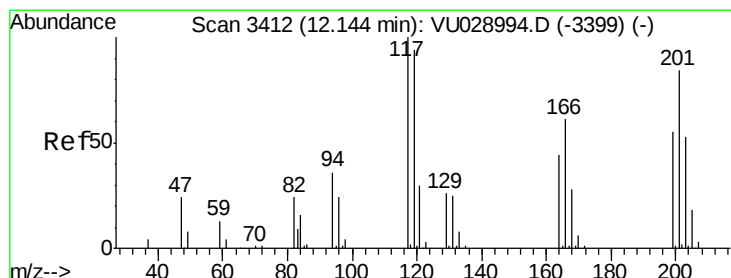
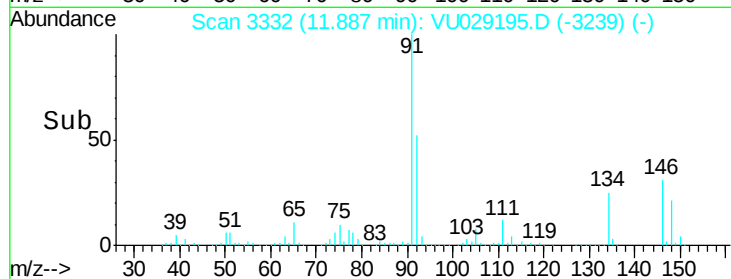
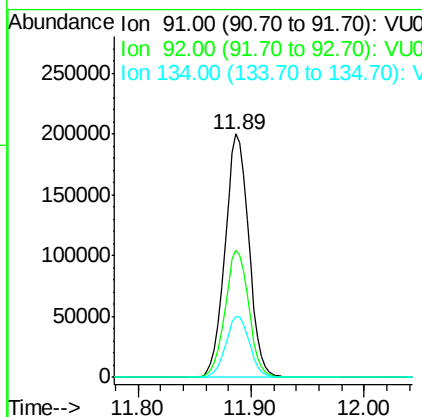
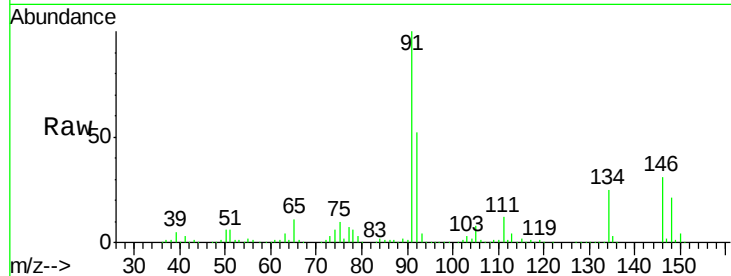
#89  
n-Butylbenzene  
Concen: 56.752 ug/l  
RT: 11.89 min Scan# 3332  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.9  | 26.2  | 78.5  |
| 134     | 25.1  | 12.6  | 37.6  |

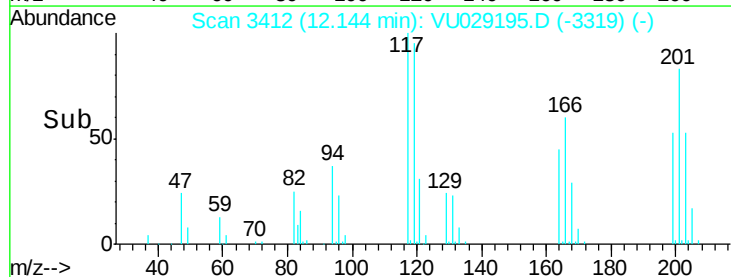
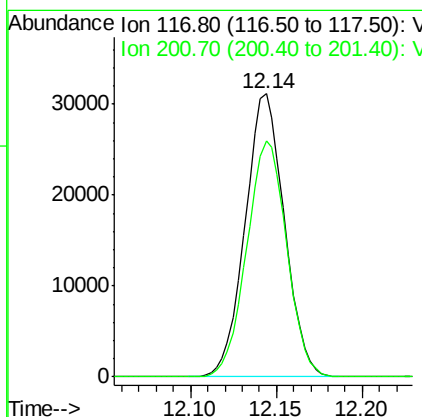
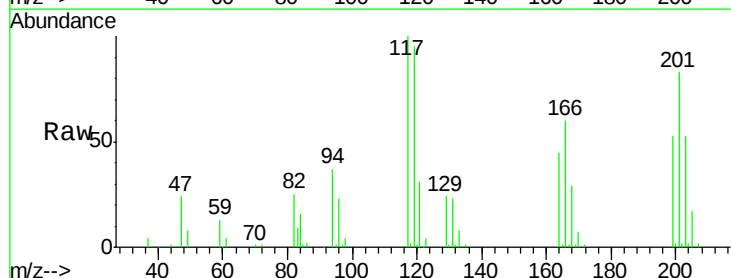
Manual Integrations  
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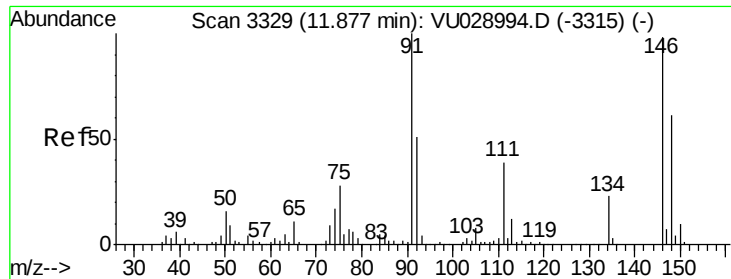
MMDadoda  
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#90  
Hexachloroethane  
Concen: 50.718 ug/l  
RT: 12.14 min Scan# 3412  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 84.6  | 42.4  | 127.3 |





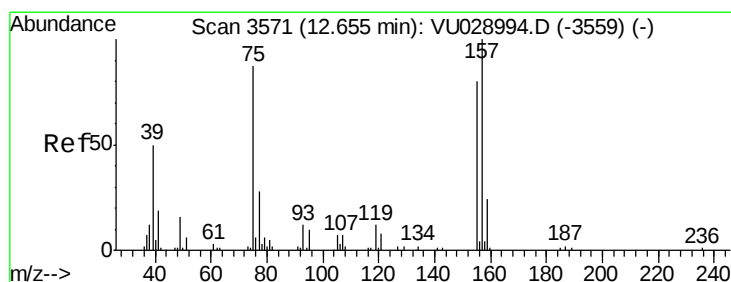
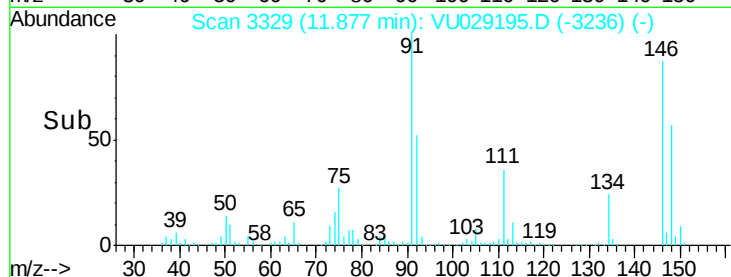
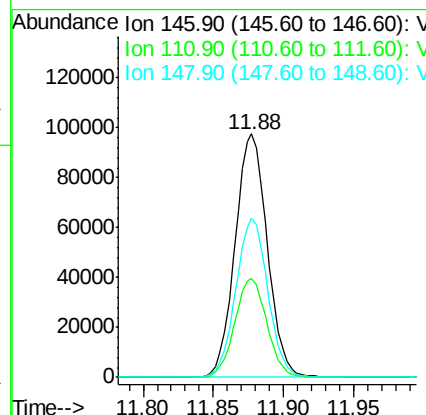
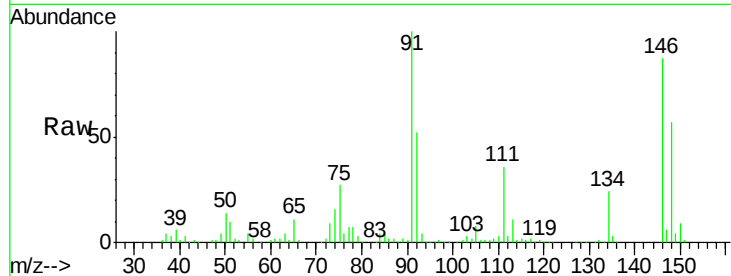
#91  
 1,2-Dichlorobenzene  
 Concen: 47.563 ug/l  
 RT: 11.88 min Scan# 3329  
 Delta R.T. 0.00 min  
 Lab File: VU029195.D  
 Acq: 16 Jan 2019 09:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.5  | 20.0  | 59.9  |
| 148     | 65.0  | 31.6  | 94.8  |

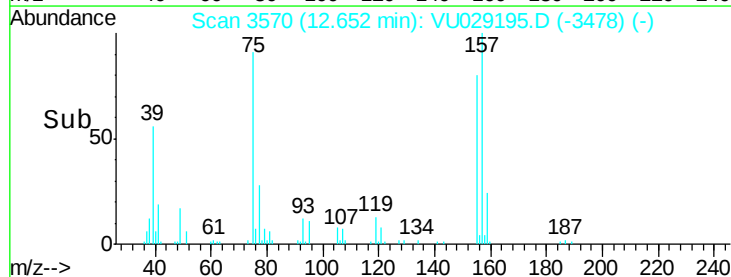
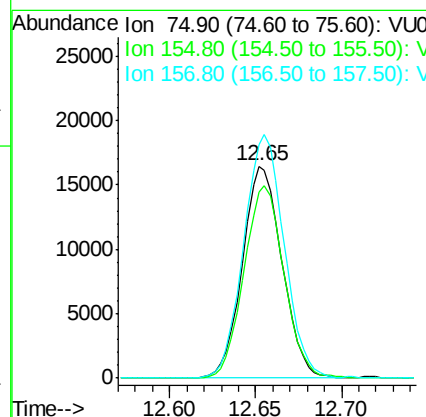
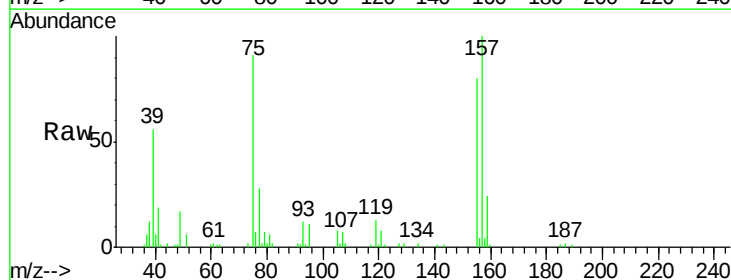
Manual Integrations  
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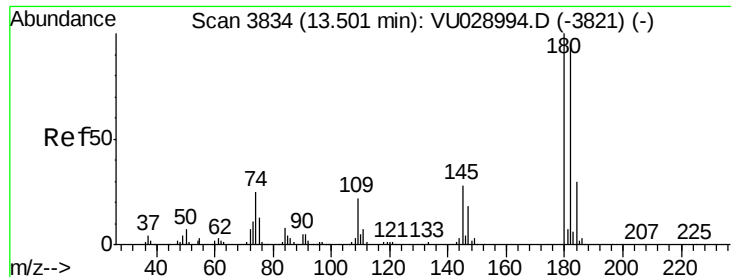
MMDadoda  
 1/17/2019 9:43:26 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 50.141 ug/l  
 RT: 12.65 min Scan# 3570  
 Delta R.T. -0.00 min  
 Lab File: VU029195.D  
 Acq: 16 Jan 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 91.4  | 46.3  | 138.8 |
| 157     | 116.9 | 57.4  | 172.0 |





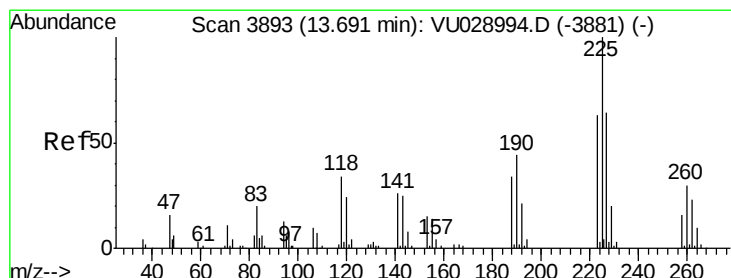
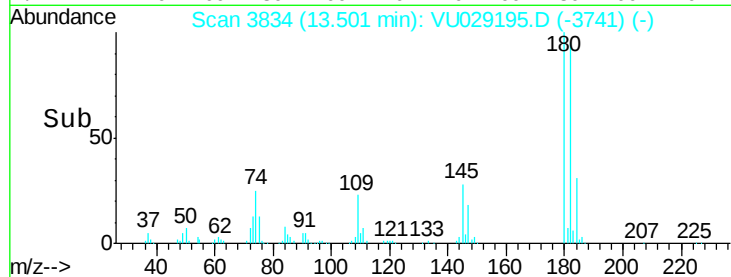
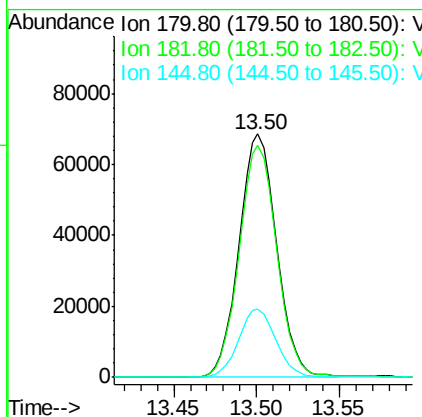
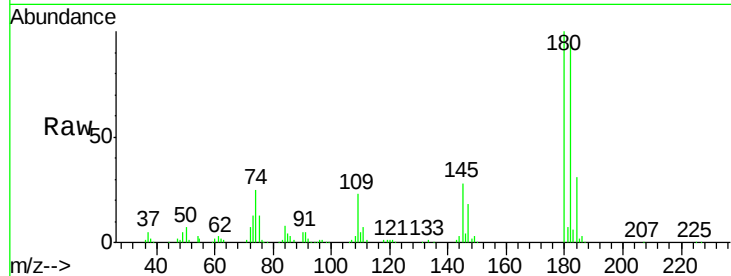
#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.672 ug/l  
 RT: 13.50 min Scan# 3834  
 Delta R.T. 0.00 min  
 Lab File: VU029195.D  
 Acq: 16 Jan 2019 09:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.2  | 47.5  | 142.6 |
| 145     | 28.0  | 14.0  | 42.0  |

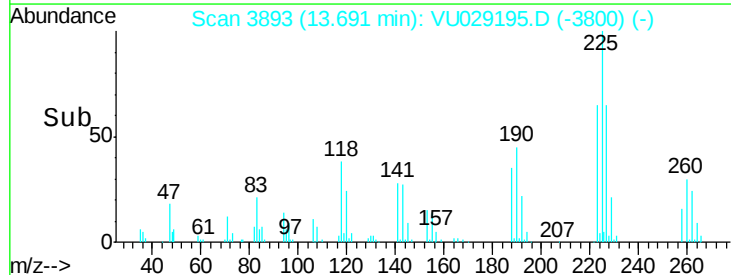
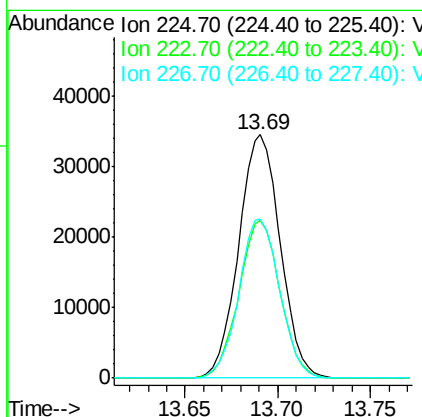
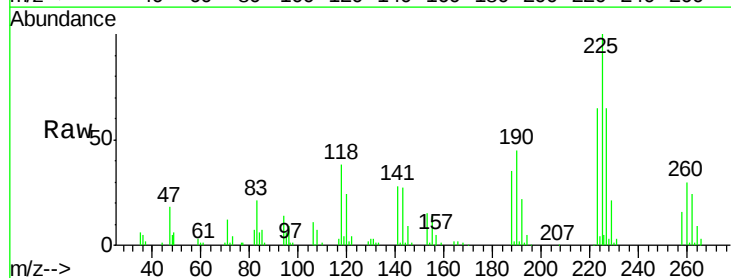
Manual Integrations  
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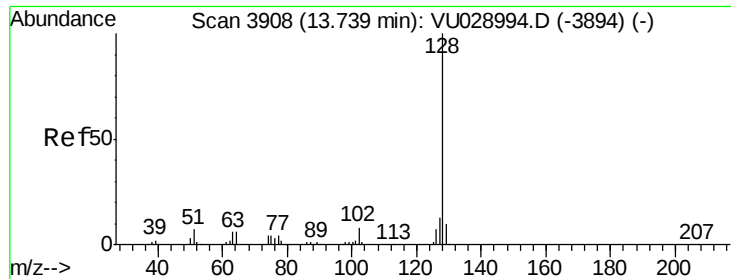
MMDadoda  
 1/17/2019 9:43:26 AM



#94  
 Hexachlorobutadiene  
 Concen: 56.078 ug/l  
 RT: 13.69 min Scan# 3893  
 Delta R.T. 0.00 min  
 Lab File: VU029195.D  
 Acq: 16 Jan 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.0  | 31.4  | 94.0  |
| 227     | 64.0  | 31.9  | 95.5  |





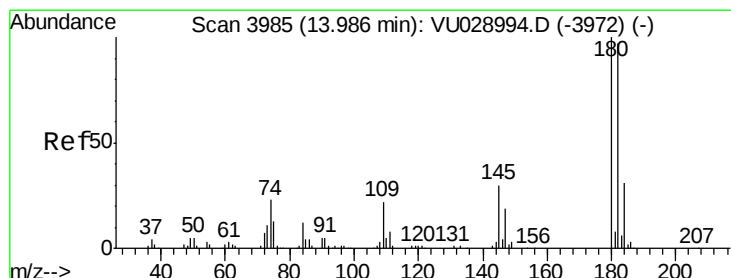
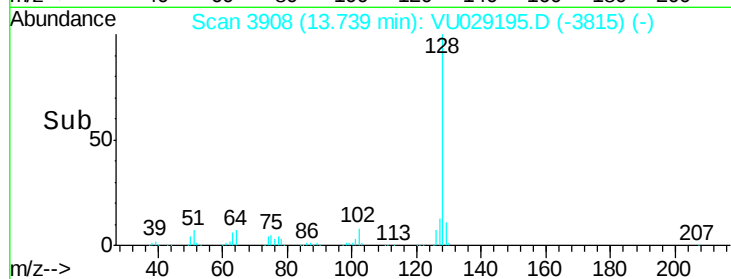
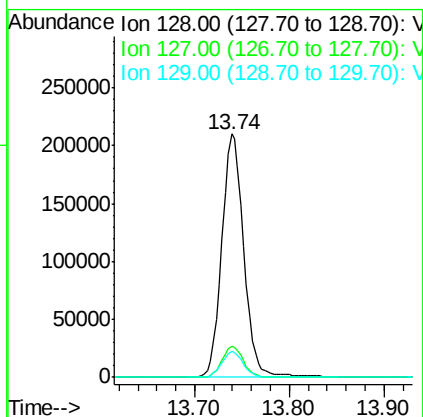
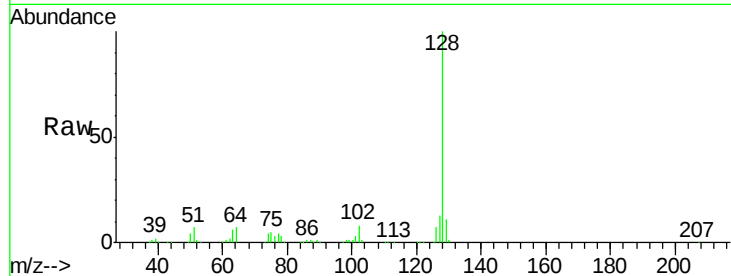
#95  
Naphthalene  
Concen: 47.645 ug/l  
RT: 13.74 min Scan# 3908  
Delta R.T. 0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.6  | 10.1  | 15.1  |
| 129     | 10.7  | 8.5   | 12.7  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 50.284 ug/l  
RT: 13.98 min Scan# 3984  
Delta R.T. -0.00 min  
Lab File: VU029195.D  
Acq: 16 Jan 2019 09:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.0  | 48.1  | 144.3 |
| 145     | 31.2  | 14.8  | 44.4  |

