

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062920\  
 Data File : VX017008.D  
 Acq On : 29 Jun 2020 14:58  
 Operator : JC/SP  
 Sample : VSTDIC020  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

Manual Integrations  
 APPROVED

MMDadoda  
 6/30/2020 10:12:50 AM

Quant Time: Jun 29 17:06:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 29 16:54:07 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 281836   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 445178   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 421520   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 215078   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.03   | 65  | 69101    | 19.89 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 39.78% |      |
| 35) Dibromofluoromethane  | 5.46   | 113 | 56626    | 20.11 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 40.22% |      |
| 50) Toluene-d8            | 8.70   | 98  | 210228   | 20.19 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 40.38% |      |
| 62) 4-Bromofluorobenzene  | 11.12  | 95  | 78771    | 19.35 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 38.70% |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.18 | 85  | 57604  | 21.127  | ug/l | 97     |
| 3) Chloromethane              | 1.32 | 50  | 63515  | 19.245  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.39 | 62  | 61784  | 20.177  | ug/l | 99     |
| 5) Bromomethane               | 1.63 | 94  | 39760  | 24.576  | ug/l | 99     |
| 6) Chloroethane               | 1.72 | 64  | 36854  | 20.378  | ug/l | 96     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 90553  | 19.995  | ug/l | 98     |
| 8) Diethyl Ether              | 2.17 | 74  | 32622  | 19.732  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 56413  | 20.783  | ug/l | 99     |
| 10) Methyl Iodide             | 2.49 | 142 | 71348  | 20.371  | ug/l | 96     |
| 11) Tert butyl alcohol        | 3.01 | 59  | 66593  | 100.468 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 57203  | 20.515  | ug/l | 97     |
| 13) Acrolein                  | 2.27 | 56  | 39168  | 98.853  | ug/l | 100    |
| 14) Allyl chloride            | 2.71 | 41  | 99274  | 19.265  | ug/l | 98     |
| 15) Acrylonitrile             | 3.12 | 53  | 158349 | 99.378  | ug/l | 99     |
| 16) Acetone                   | 2.42 | 43  | 126382 | 97.234  | ug/l | 99     |
| 17) Carbon Disulfide          | 2.55 | 76  | 164253 | 19.232  | ug/l | 99     |
| 18) Methyl Acetate            | 2.75 | 43  | 67276  | 19.828  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 3.17 | 73  | 190061 | 20.309  | ug/l | 99     |
| 20) Methylene Chloride        | 2.84 | 84  | 64520  | 19.421  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 3.14 | 96  | 61508  | 19.877  | ug/l | 94     |
| 22) Diisopropyl ether         | 3.82 | 45  | 199480 | 20.915  | ug/l | 95     |
| 23) Vinyl Acetate             | 3.79 | 43  | 860251 | 104.963 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.67 | 63  | 110281 | 20.321  | ug/l | 98     |
| 25) 2-Butanone                | 4.64 | 43  | 221225 | 102.147 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 4.56 | 77  | 96805  | 20.090  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.57 | 96  | 69298  | 19.765  | ug/l | 99     |
| 28) Bromochloromethane        | 4.98 | 49  | 53514  | 20.264  | ug/l | 100    |
| 29) Tetrahydrofuran           | 5.09 | 42  | 149148 | 104.230 | ug/l | 99     |
| 30) Chloroform                | 5.18 | 83  | 113367 | 20.379  | ug/l | 99     |
| 31) Cyclohexane               | 5.55 | 56  | 96411  | 20.553  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 5.46 | 97  | 104784 | 20.452  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.77 | 75  | 82181  | 19.532  | ug/l | 98     |
| 37) Ethyl Acetate             | 4.79 | 43  | 88008  | 20.616  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.76 | 117 | 90802  | 19.594  | ug/l | 99     |

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 Operator : JC/SP  
 Sample : VSTDIC020  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDIC020

Manual Integrations  
 APPROVED

MMDadoda  
 6/30/2020 10:12:50 AM

Quant Time: Jun 29 17:06:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 29 16:54:07 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.44  | 83   | 93483    | 19.969  | ug/l   | 98       |
| 40) Benzene                    | 6.11  | 78   | 247955   | 20.057  | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.01  | 41   | 49303    | 20.520  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.17  | 62   | 88932    | 19.916  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 6.42  | 43   | 138976   | 19.591  | ug/l   | 99       |
| 44) Trichloroethene            | 7.19  | 130  | 72869    | 19.570  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 7.49  | 63   | 63624    | 20.038  | ug/l   | 98       |
| 46) Dibromomethane             | 7.64  | 93   | 43232    | 19.943  | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.88  | 83   | 89567    | 20.049  | ug/l   | 95       |
| 48) Methyl methacrylate        | 7.74  | 41   | 66342    | 19.685  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 7.71  | 88   | 31078    | 407.041 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 441943   | 104.514 | ug/l   | 99       |
| 52) Toluene                    | 8.77  | 92   | 156654   | 20.296  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 9.02  | 75   | 96717    | 19.622  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.42  | 75   | 105384   | 19.945  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 63012    | 19.982  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.16  | 69   | 90526    | 20.169  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 9.35  | 76   | 106854   | 20.025  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 234163   | 104.825 | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.47  | 43   | 322906   | 104.559 | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.57  | 129  | 72683    | 19.844  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.65  | 107  | 67558    | 19.931  | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.32  | 164  | 68310    | 20.080  | ug/l   | 95       |
| 65) Chlorobenzene              | 10.12 | 112  | 170775   | 19.630  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 66021    | 19.691  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.23 | 91   | 290580   | 20.000  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.34 | 106  | 227758   | 40.827  | ug/l   | 99       |
| 69) o-Xylene                   | 10.68 | 106  | 106664   | 20.099  | ug/l   | 100      |
| 70) Styrene                    | 10.70 | 104  | 183775   | 20.335  | ug/l   | 99       |
| 71) Bromoform                  | 10.84 | 173  | 52380    | 19.701  | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.00 | 105  | 288850   | 20.503  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.88 | 43   | 120945   | 20.120  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 88574    | 19.988  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 87445m   | 16.509  | ug/l   |          |
| 77) Bromobenzene               | 11.24 | 156  | 76253    | 19.694  | ug/l   | 99       |
| 78) n-propylbenzene            | 11.34 | 91   | 327332   | 20.547  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.40 | 91   | 196125   | 20.341  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 240563   | 20.586  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.06 | 75   | 31309    | 19.170  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 232172   | 20.143  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 231777   | 20.205  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 249505   | 21.046  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.93 | 105  | 274135   | 20.331  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 258471   | 20.591  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 139542   | 19.844  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene        | 12.08 | 146  | 138142   | 19.533  | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.37 | 91   | 222468   | 19.849  | ug/l   | 98       |
| 90) Hexachloroethane           | 12.58 | 117  | 48192    | 19.468  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 130331   | 19.828  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 20172    | 19.082  | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062920\  
Data File : VX017008.D  
Acq On : 29 Jun 2020 14:58  
Operator : JC/SP  
Sample : VSTDICC020  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Manual Integrations  
APPROVED

MMDadoda  
6/30/2020 10:12:50 AM

Quant Time: Jun 29 17:06:26 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 29 16:54:07 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.63 | 180  | 85431    | 19.042 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.77 | 225  | 33329    | 18.367 | ug/l  | 97       |
| 95) Naphthalene            | 13.82 | 128  | 274117   | 20.097 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 82924    | 19.099 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 281836

Ion Ratio Lower Upper

168 100

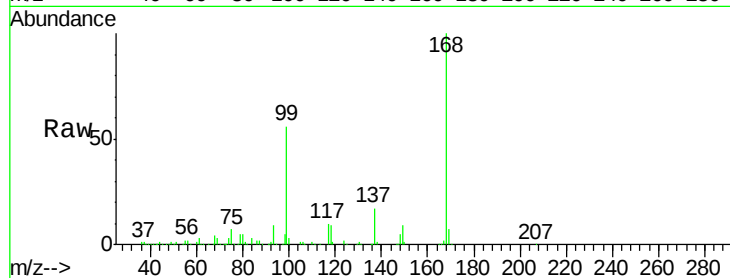
99 55.9 42.6 64.0

Manual Integrations

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6/30/2020 10:12:50 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

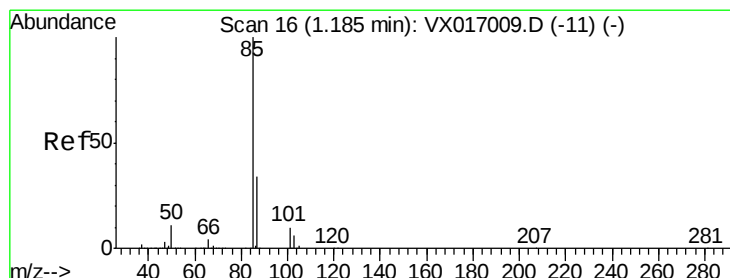
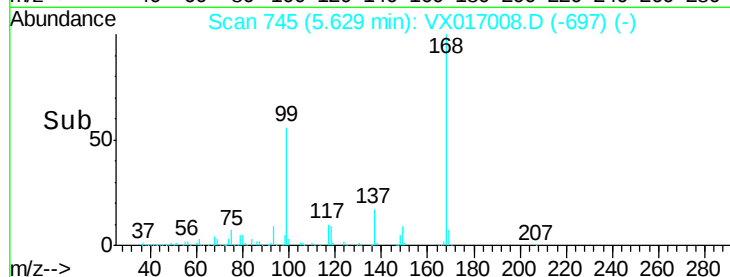
0

5.50

5.60

5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.127 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX017008.D

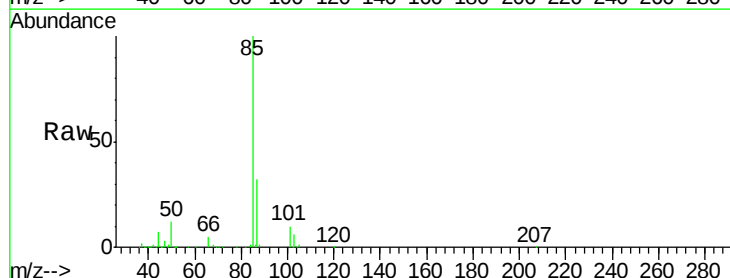
Acq: 29 Jun 2020 14:58

Tgt Ion: 85 Resp: 57604

Ion Ratio Lower Upper

85 100

87 31.9 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

40000

20000

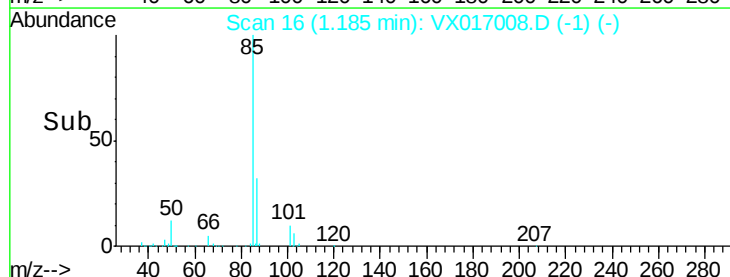
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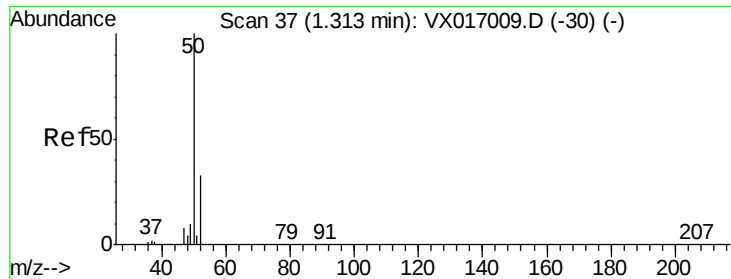
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 19.245 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 63515

Ion Ratio Lower Upper

50 100

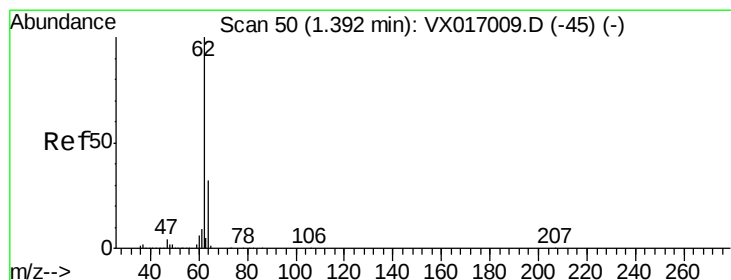
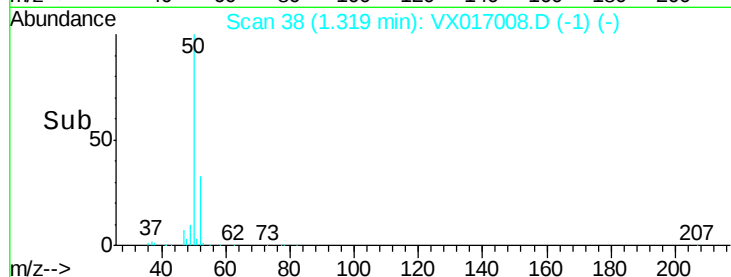
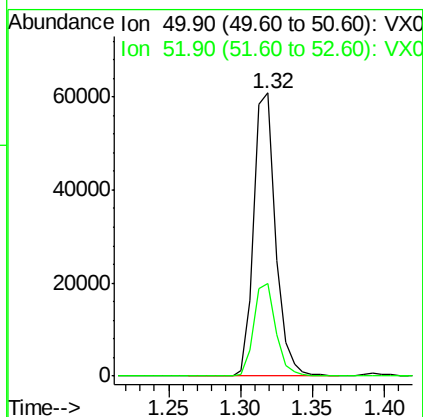
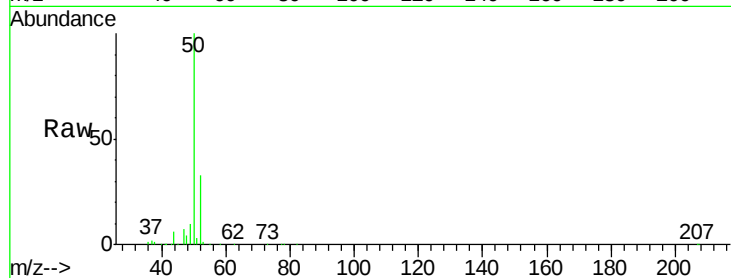
52 32.8 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

6/30/2020 10:12:50 AM



#4

Vinyl Chloride

Concen: 20.177 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017008.D

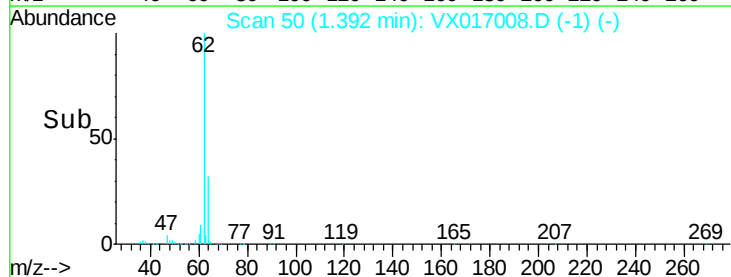
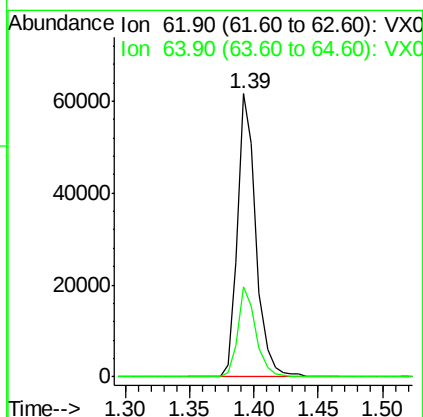
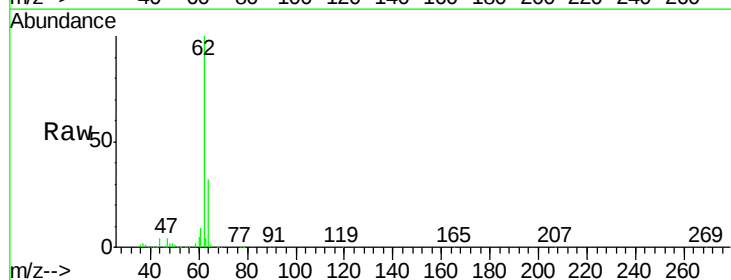
Acq: 29 Jun 2020 14:58

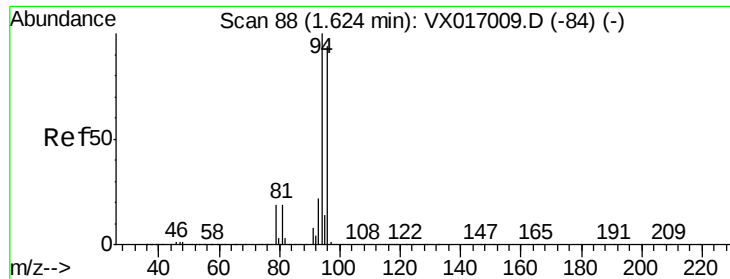
Tgt Ion: 62 Resp: 61784

Ion Ratio Lower Upper

62 100

64 32.0 25.9 38.9





#5

Bromomethane

Concen: 24.576 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 39760

Ion Ratio Lower Upper

94 100

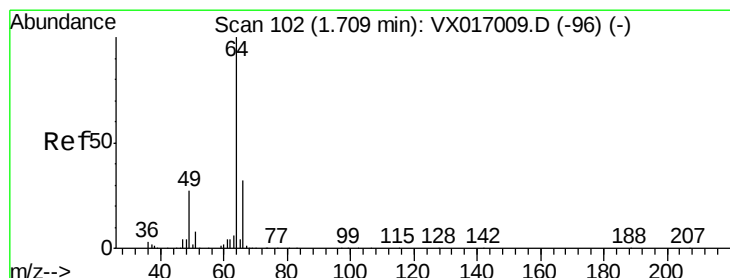
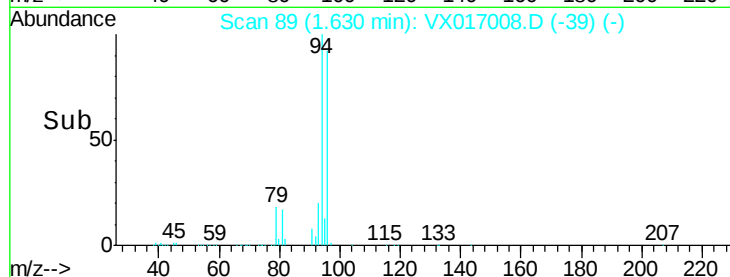
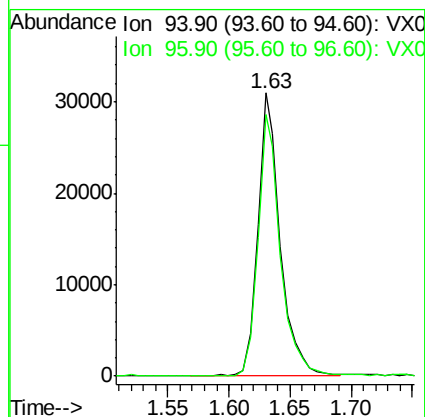
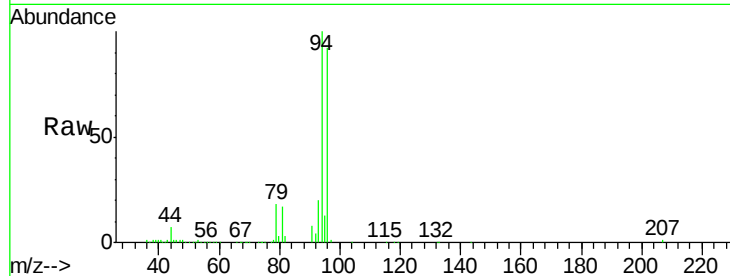
96 92.4 75.0 112.4

Manual Integrations

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6/30/2020 10:12:50 AM



#6

Chloroethane

Concen: 20.378 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017008.D

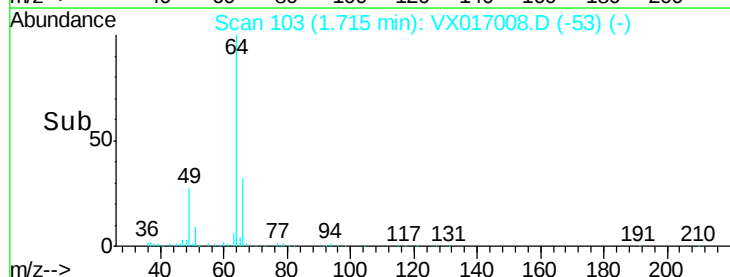
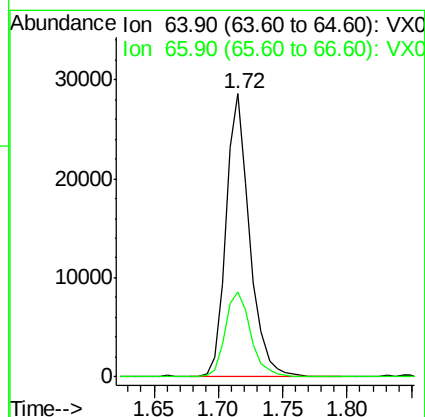
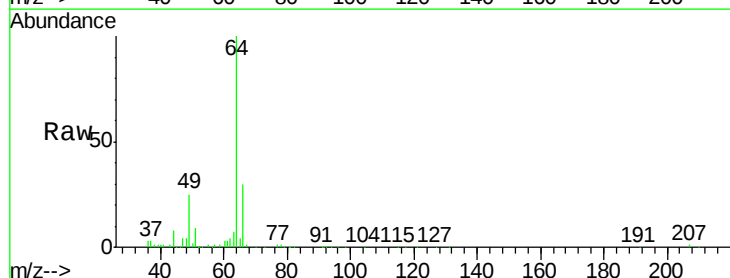
Acq: 29 Jun 2020 14:58

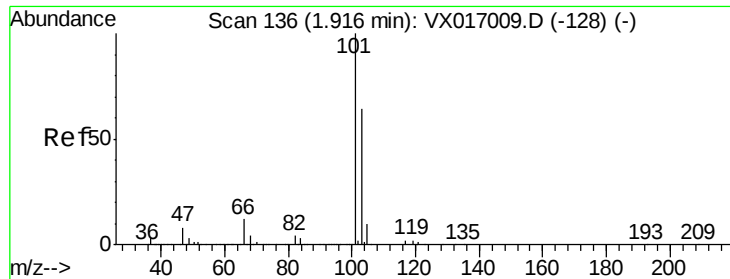
Tgt Ion: 64 Resp: 36854

Ion Ratio Lower Upper

64 100

66 29.9 25.5 38.3





#7

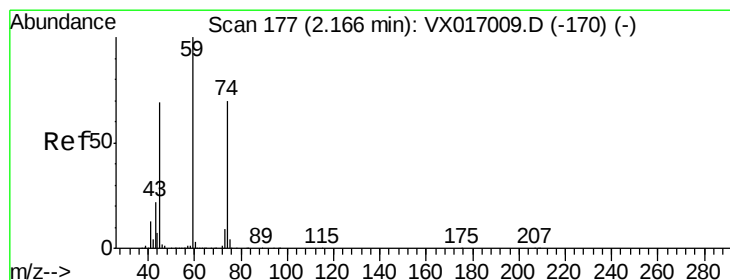
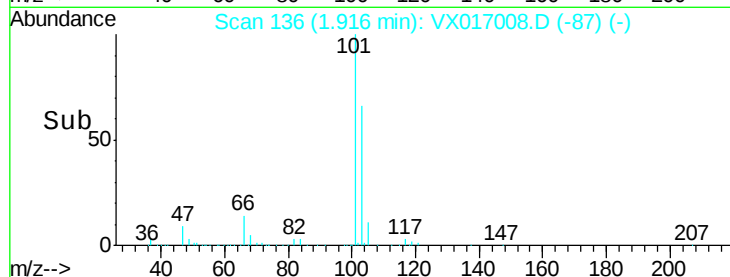
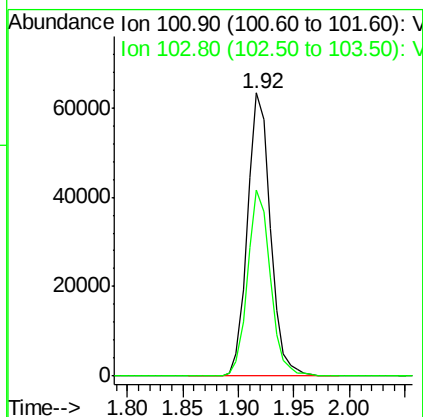
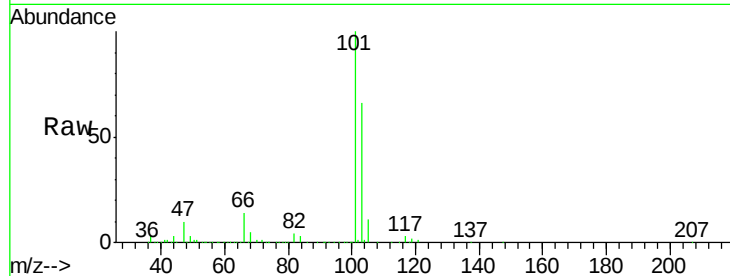
Trichlorofluoromethane  
 Concen: 19.995 ug/l  
 RT: 1.92 min Scan# 136  
 Delta R.T. -0.00 min  
 Lab File: VX017008.D  
 Acq: 29 Jun 2020 14:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.7  | 51.5  | 77.3  |

Manual Integrations  
 APPROVED

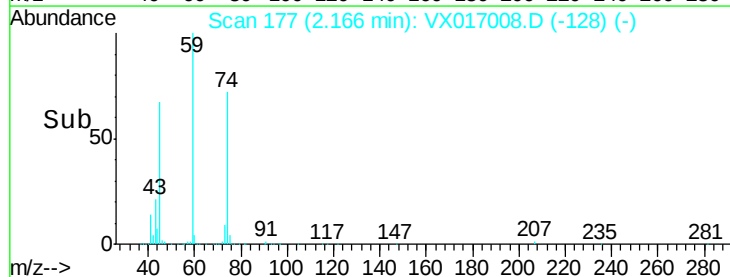
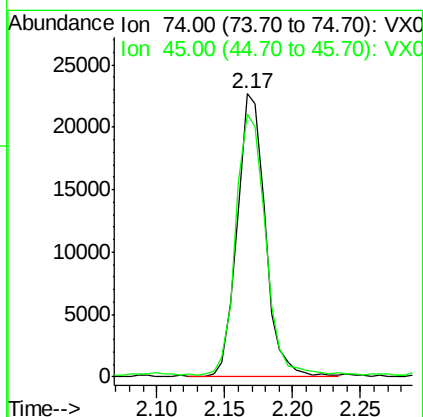
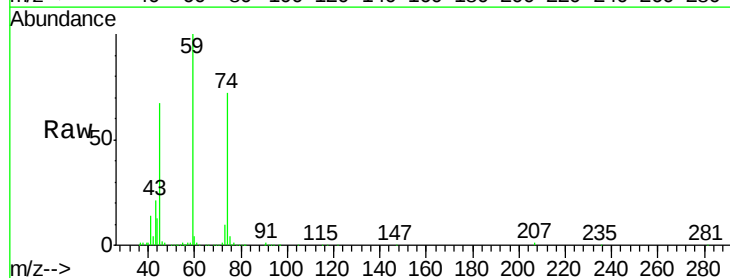
MMDadoda  
 6/30/2020 10:12:50 AM

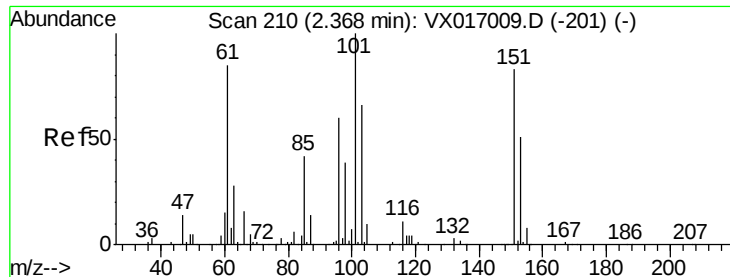


#8

Diethyl Ether  
 Concen: 19.732 ug/l  
 RT: 2.17 min Scan# 177  
 Delta R.T. 0.00 min  
 Lab File: VX017008.D  
 Acq: 29 Jun 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 97.9  | 49.8  | 149.3 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.783 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

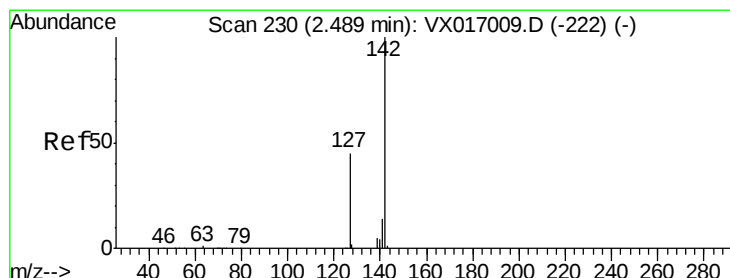
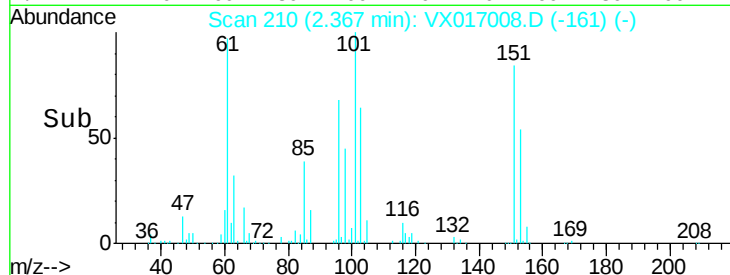
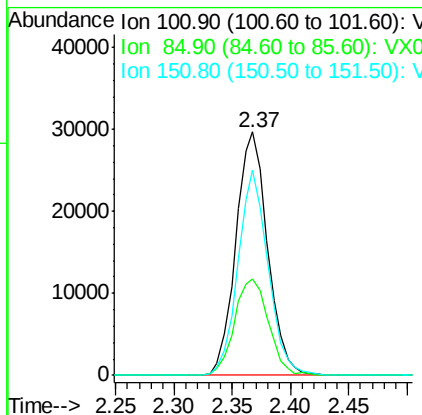
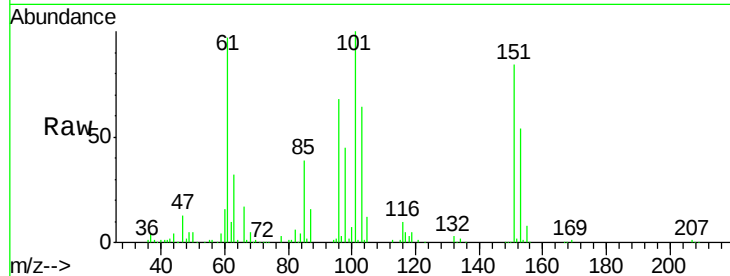
ClientSampleId :

VSTDIC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 56413 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 42.3  | 33.5  | 50.3  |
| 151       | 80.4  | 63.8  | 95.6  |

Manual Integrations  
APPROVED

MMDadoda  
6/30/2020 10:12:50 AM



#10

Methyl Iodide

Concen: 20.371 ug/l

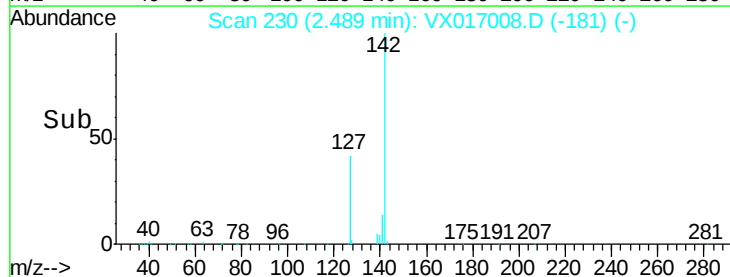
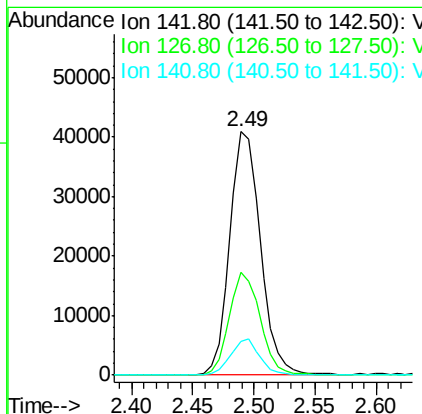
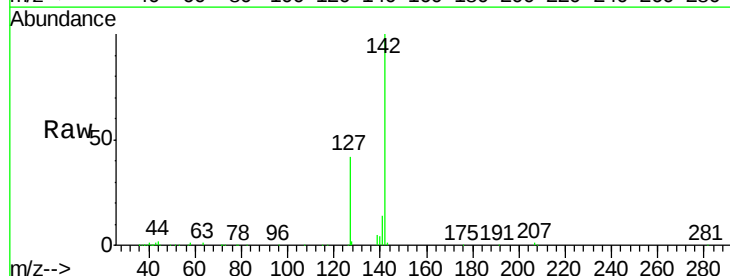
RT: 2.49 min Scan# 230

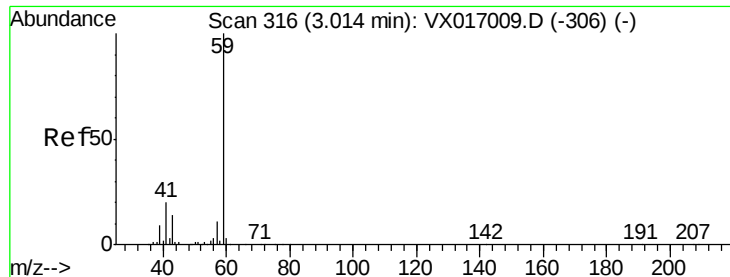
Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 71348 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.5  | 36.6  | 54.8  |
| 141       | 13.9  | 11.6  | 17.4  |





#11

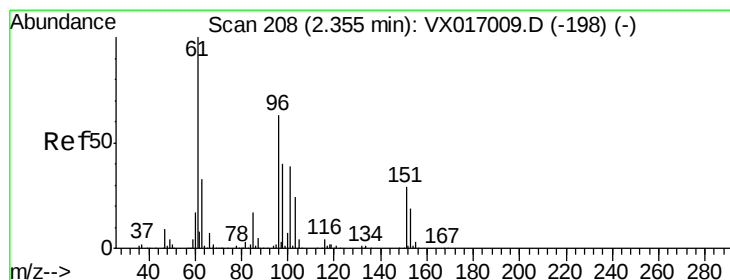
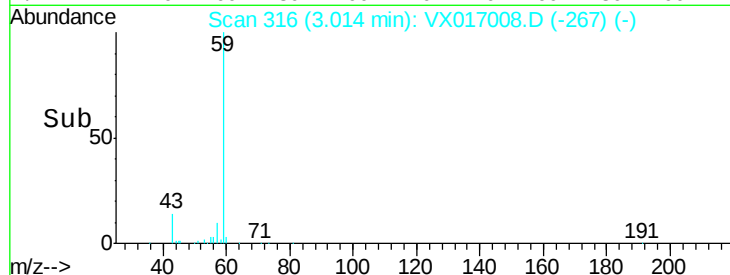
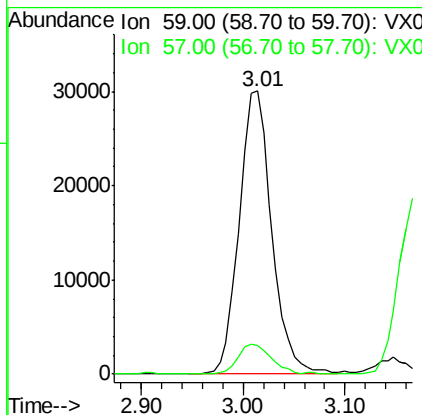
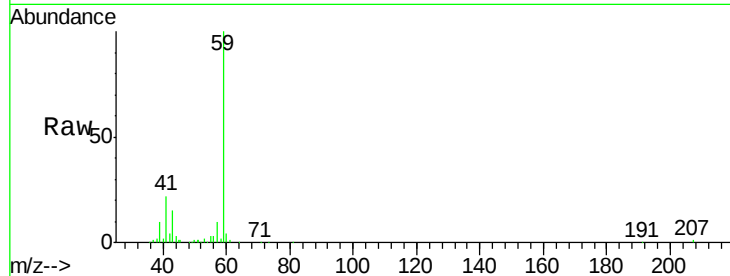
Tert butyl alcohol  
Concen: 100.468 ug/l  
RT: 3.01 min Scan# 316  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 11.1  | 8.2   | 12.2  |

Manual Integrations  
APPROVED

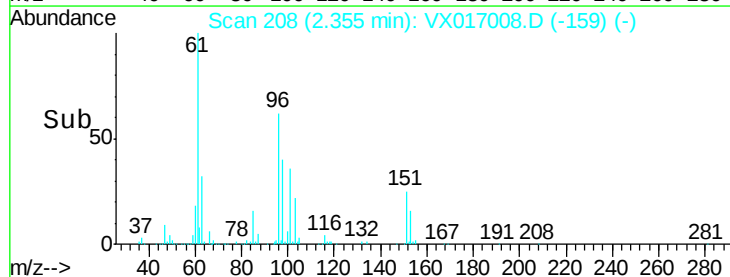
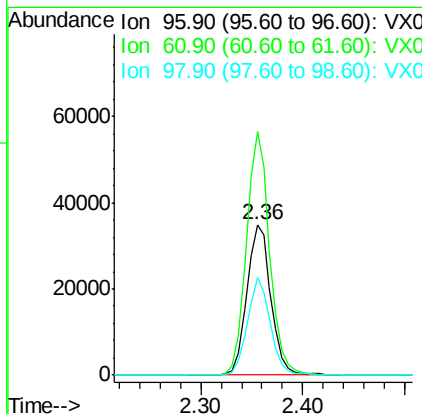
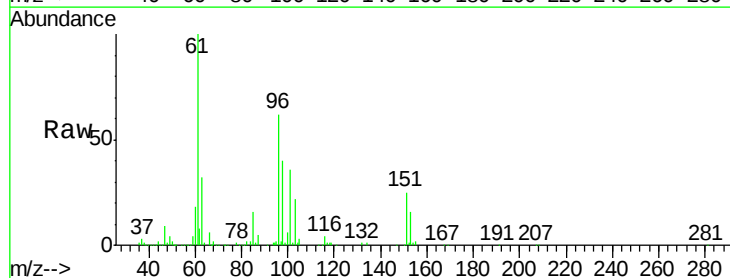
MMDadoda  
6/30/2020 10:12:50 AM

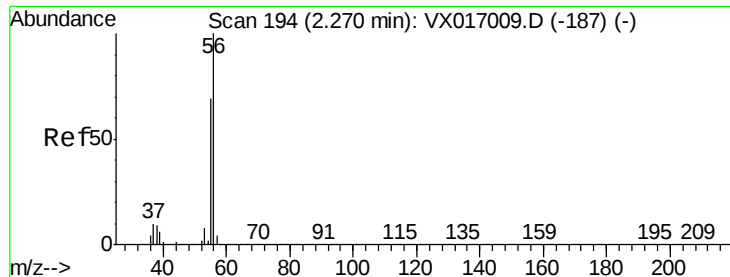


#12

1,1-Dichloroethene  
Concen: 20.515 ug/l  
RT: 2.36 min Scan# 208  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 162.0 | 126.3 | 189.5 |
| 98      | 65.3  | 51.0  | 76.6  |





#13

Acrolein

Concen: 98.853 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 39168

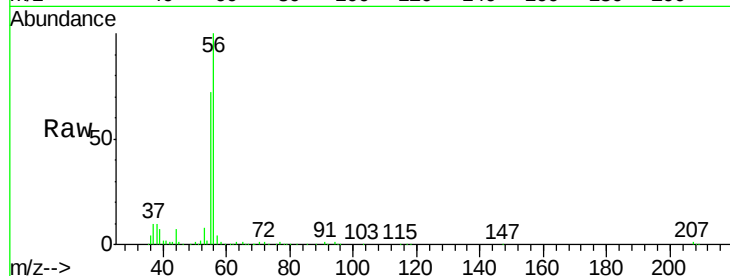
Ion Ratio Lower Upper

56 100

55 69.2 55.7 83.5

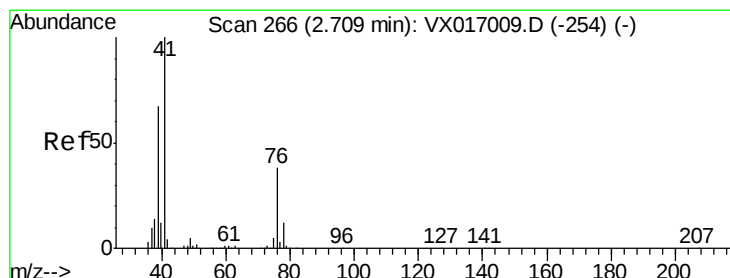
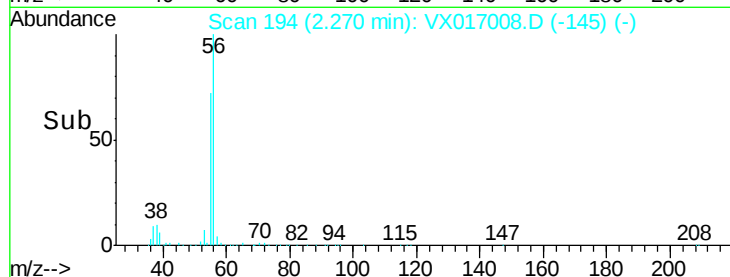
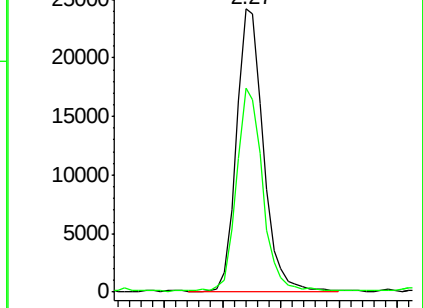
Manual Integrations  
APPROVED

MMDadoda  
6/30/2020 10:12:50 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.265 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

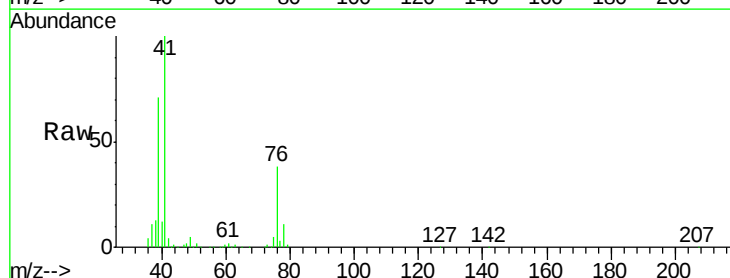
Tgt Ion: 41 Resp: 99274

Ion Ratio Lower Upper

41 100

39 63.4 49.4 74.2

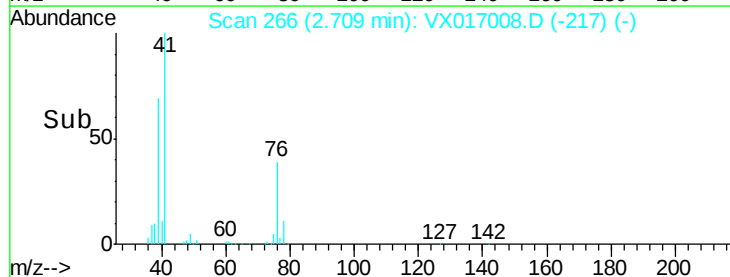
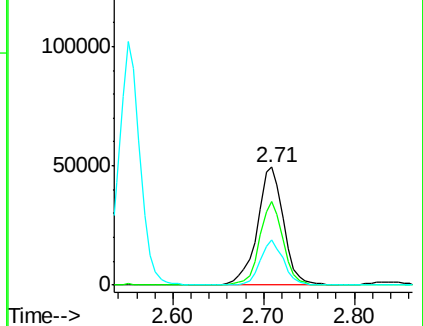
76 33.2 26.8 40.2

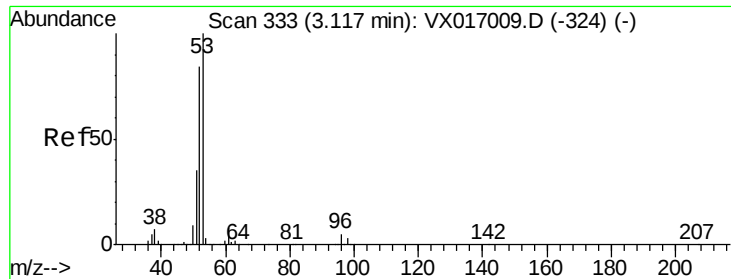


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 99.378 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

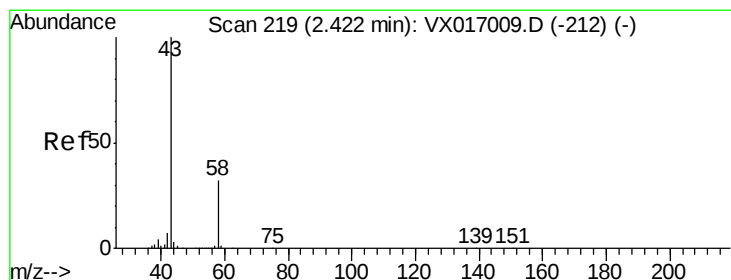
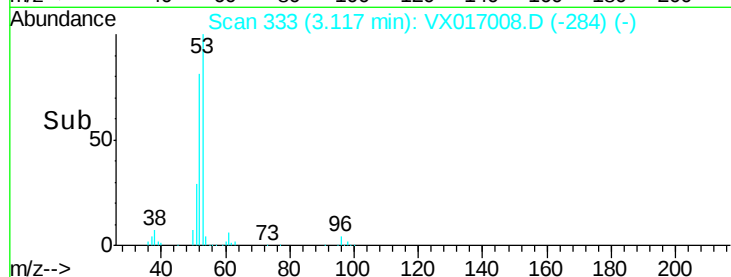
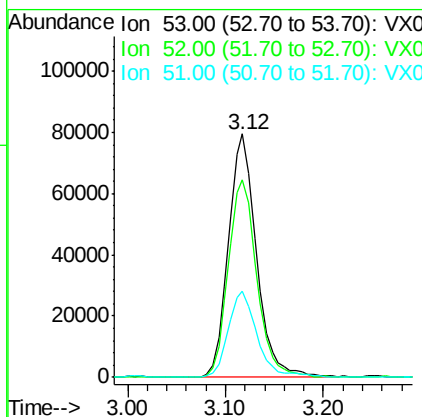
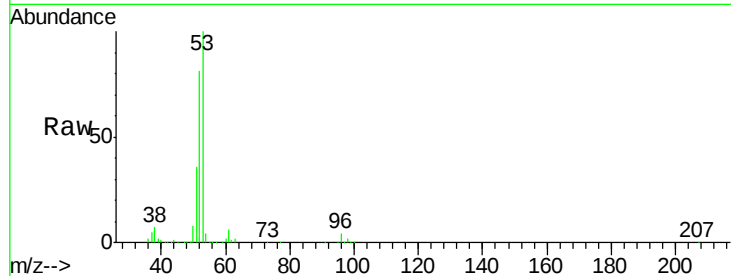
ClientSampleId :

VSTDIC020

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 158349 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.7  | 65.6  | 98.4   |
| 51       | 36.6  | 28.3  | 42.5   |

Manual Integrations  
APPROVED

MMDadoda  
6/30/2020 10:12:50 AM



#16

Acetone

Concen: 97.234 ug/l

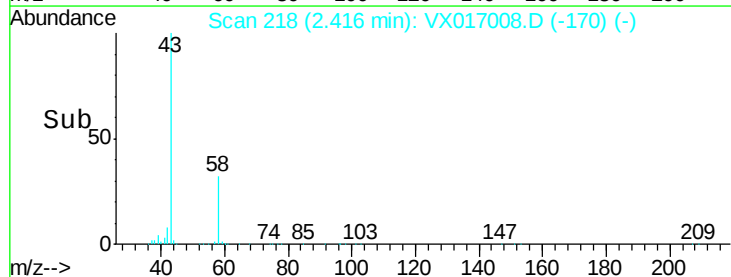
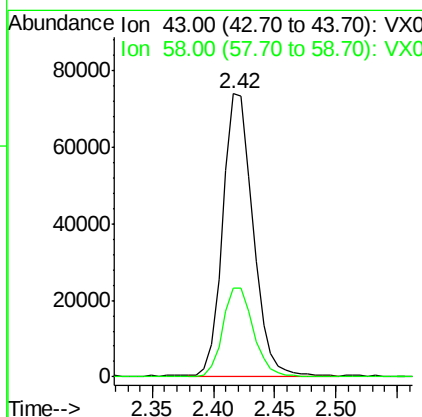
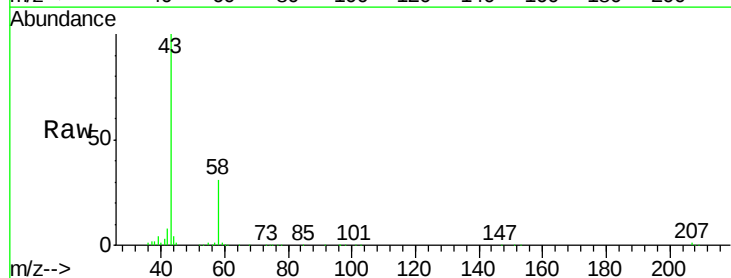
RT: 2.42 min Scan# 218

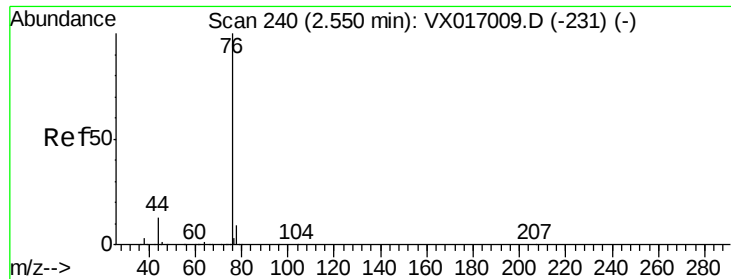
Delta R.T. -0.01 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 126382 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 31.4  | 25.7  | 38.5   |





#17

Carbon Disulfide

Concen: 19.232 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 164253

Ion Ratio Lower Upper

76 100

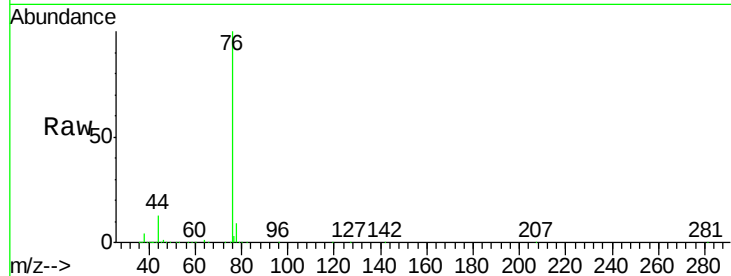
78 9.2 7.2 10.8

Manual Integrations

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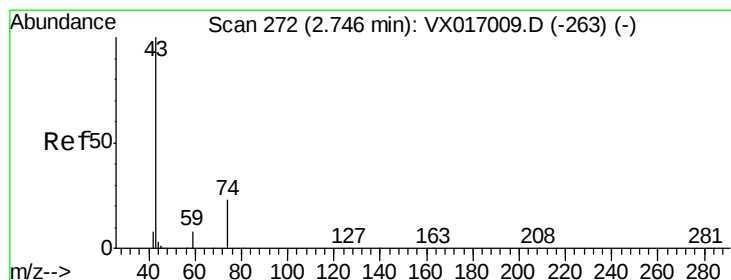
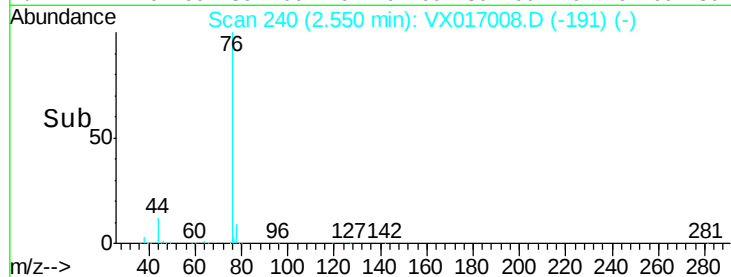
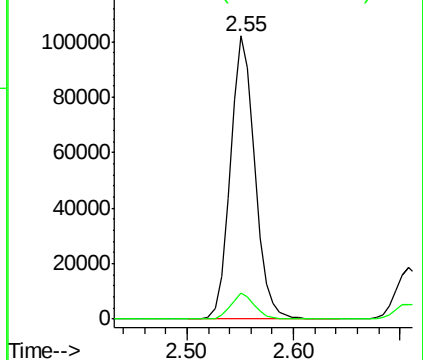
MMDadoda

6/30/2020 10:12:50 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.828 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX017008.D

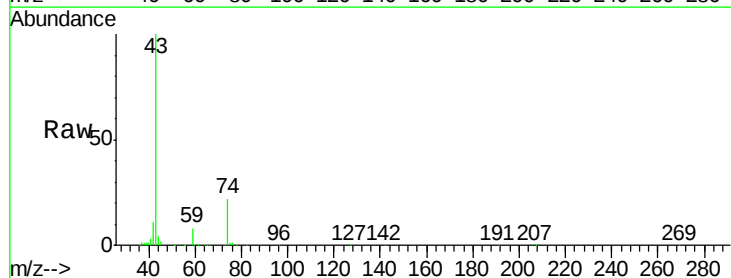
Acq: 29 Jun 2020 14:58

Tgt Ion: 43 Resp: 67276

Ion Ratio Lower Upper

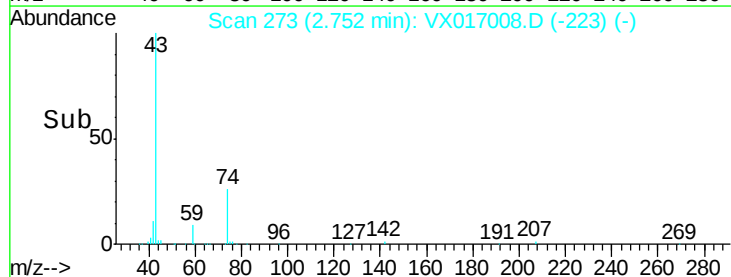
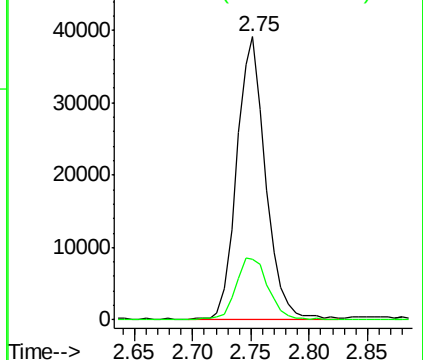
43 100

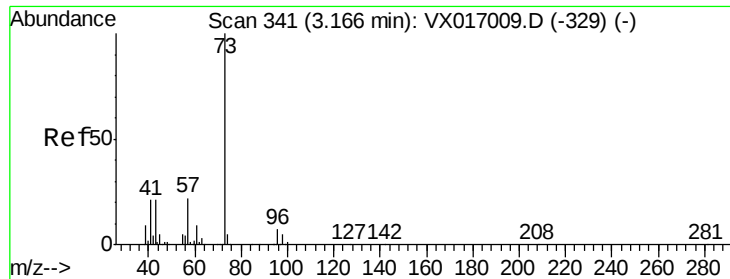
74 25.1 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





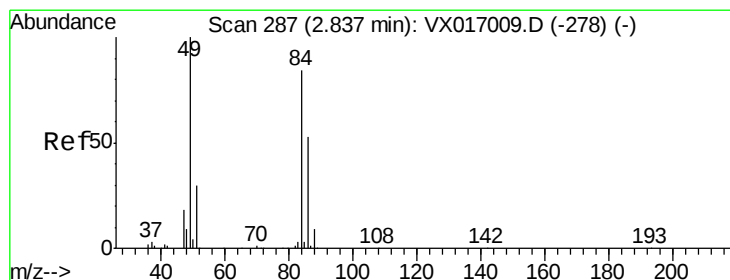
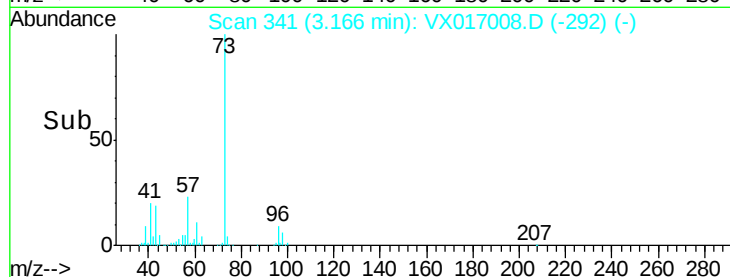
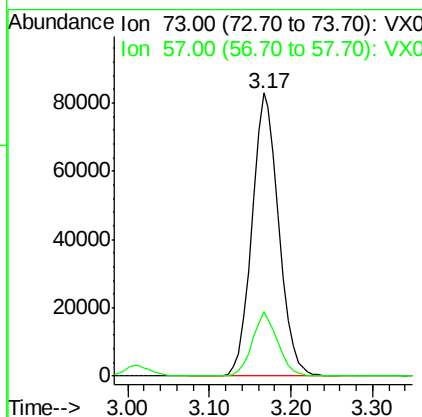
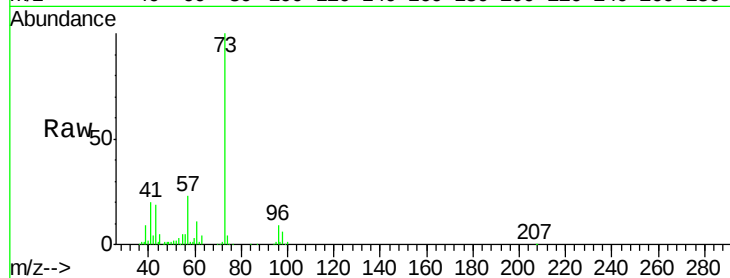
#19  
Methyl tert-butyl Ether  
Concen: 20.309 ug/l  
RT: 3.17 min Scan# 341  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.5  | 17.6  | 26.4  |

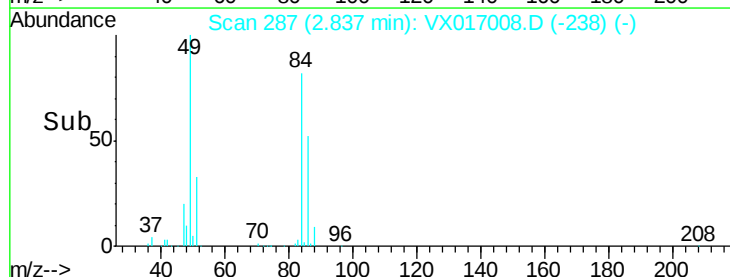
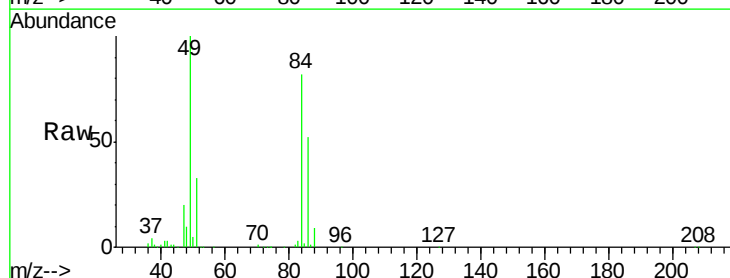
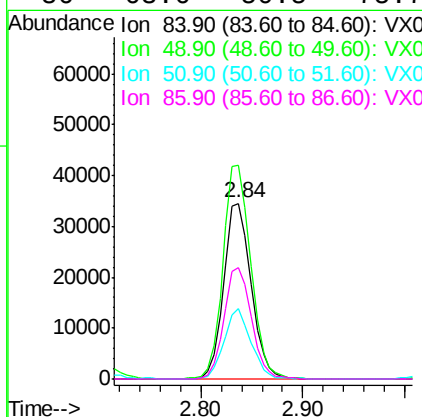
Manual Integrations  
APPROVED

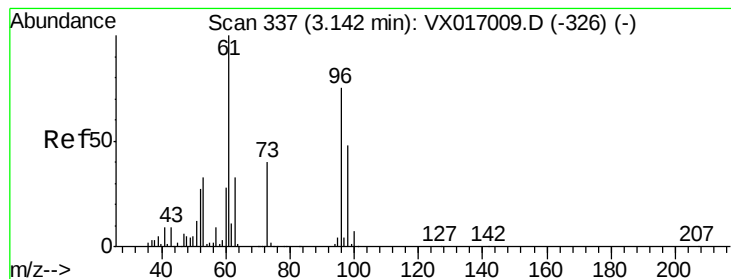
MMDadoda  
6/30/2020 10:12:50 AM



#20  
Methylene Chloride  
Concen: 19.421 ug/l  
RT: 2.84 min Scan# 287  
Delta R.T. 0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 121.2 | 94.7  | 142.1 |
| 51      | 39.7  | 28.6  | 42.8  |
| 86      | 63.6  | 50.5  | 75.7  |





#21

trans-1,2-Dichloroethene

Concen: 19.877 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

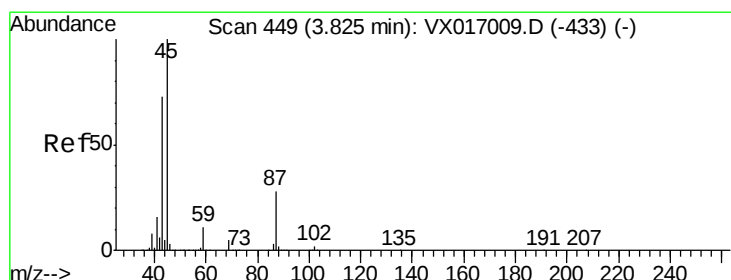
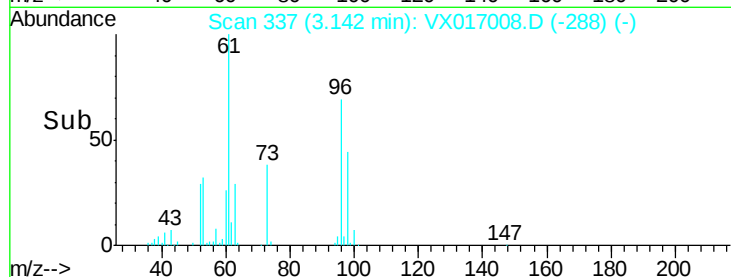
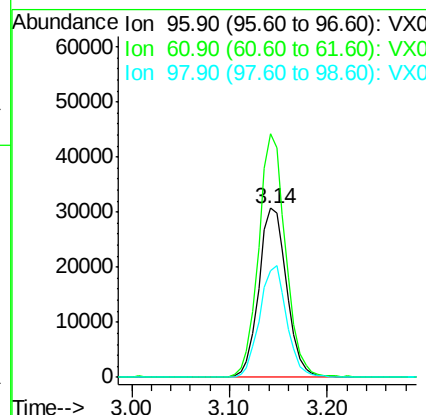
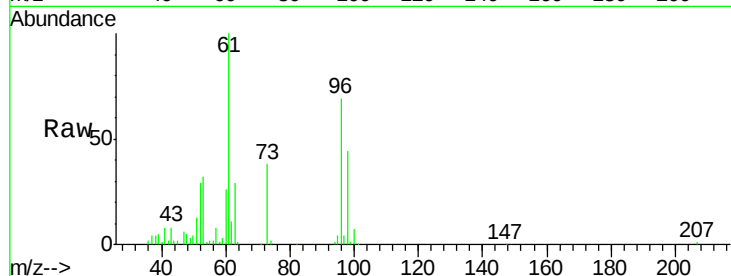
ClientSampleId :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 61508 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 144.1 | 107.0 | 160.6 |
| 98       | 63.5  | 51.6  | 77.4  |

Manual Integrations  
APPROVED

MMDadoda  
6/30/2020 10:12:50 AM



#22

Diisopropyl ether

Concen: 20.915 ug/l

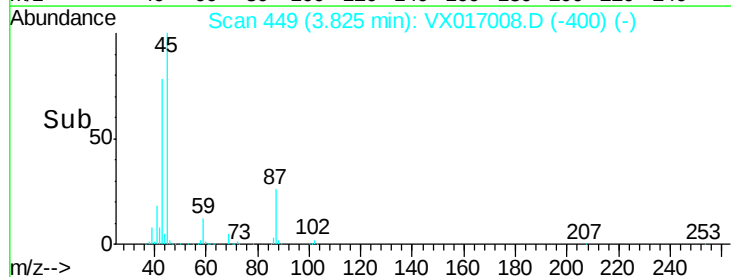
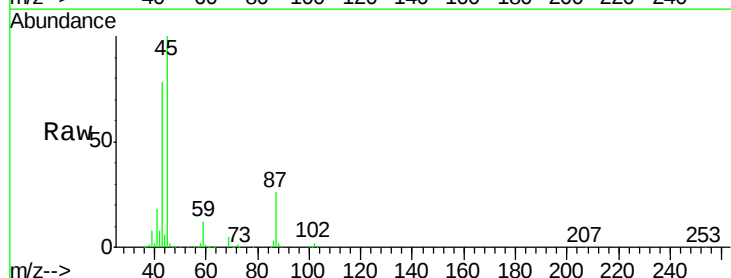
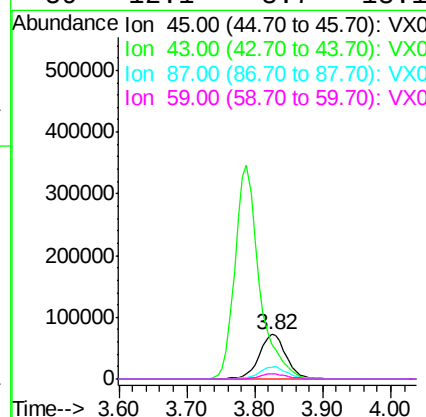
RT: 3.82 min Scan# 449

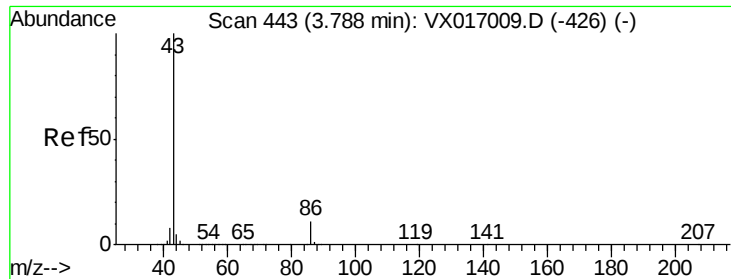
Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 199480 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 77.7  | 58.6  | 88.0   |
| 87       | 26.0  | 22.6  | 34.0   |
| 59       | 12.1  | 8.7   | 13.1   |





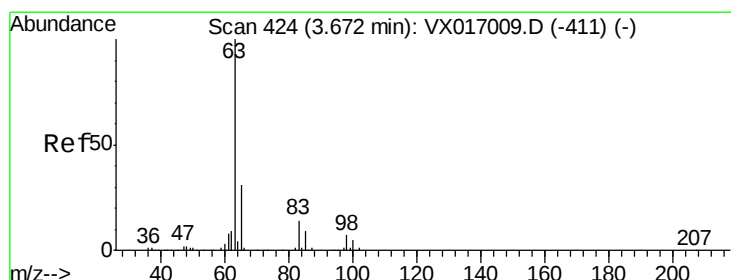
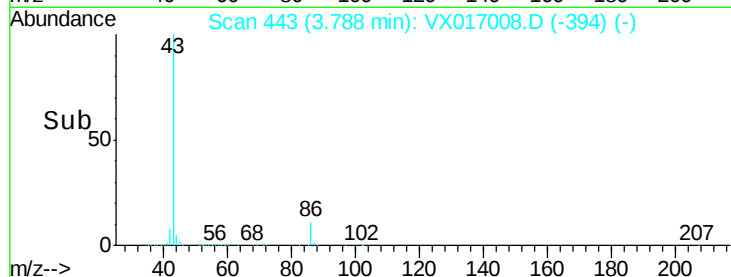
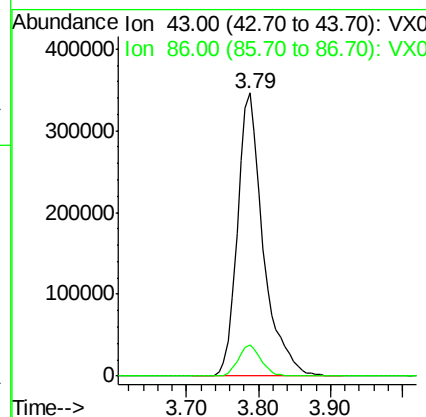
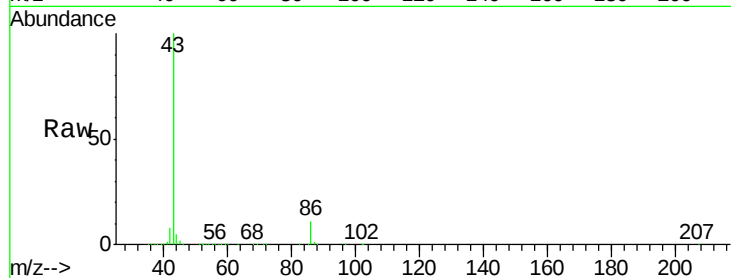
#23  
 Vinyl Acetate  
 Concen: 104.963 ug/l  
 RT: 3.79 min Scan# 443  
 Delta R.T. -0.00 min  
 Lab File: VX017008.D  
 Acq: 29 Jun 2020 14:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 86      | 11.0  | 8.6   | 13.0  |

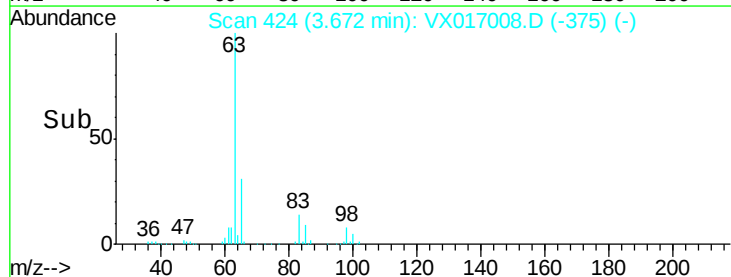
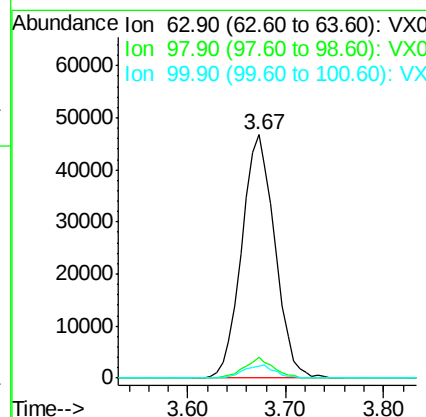
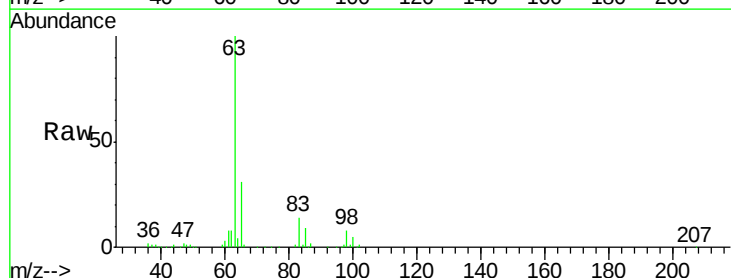
Manual Integrations  
 APPROVED

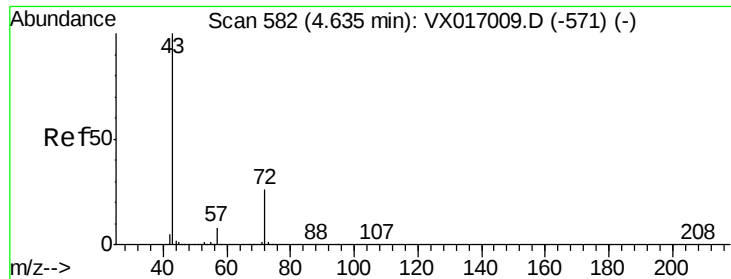
MMDadoda  
 6/30/2020 10:12:50 AM



#24  
 1,1-Dichloroethane  
 Concen: 20.321 ug/l  
 RT: 3.67 min Scan# 424  
 Delta R.T. -0.00 min  
 Lab File: VX017008.D  
 Acq: 29 Jun 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 98      | 8.4   | 3.6   | 10.8  |
| 100     | 4.8   | 2.4   | 7.1   |





#25

2-Butanone

Concen: 102.147 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 221225

Ion Ratio Lower Upper

43 100

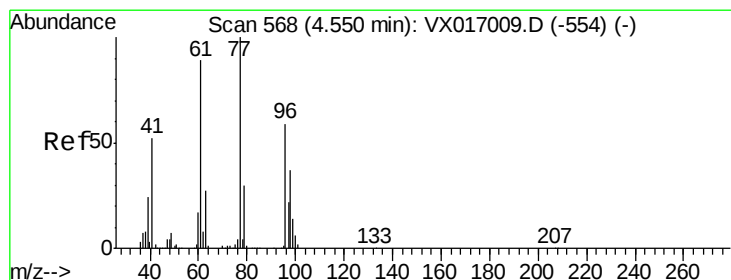
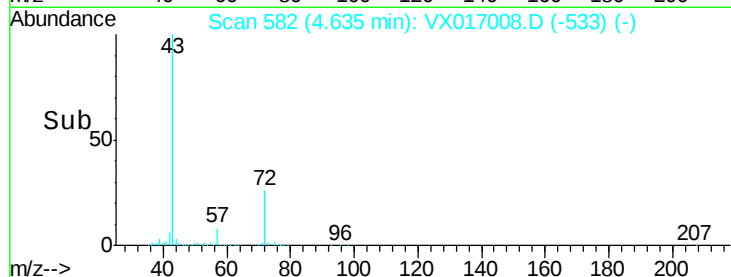
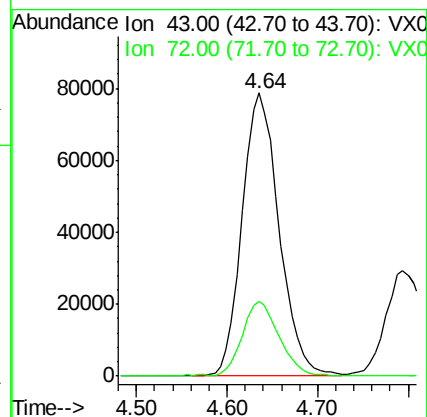
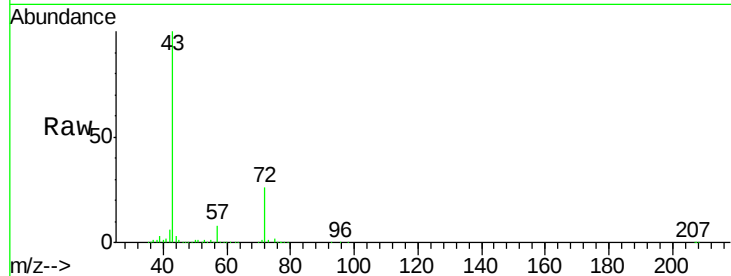
72 26.3 20.8 31.2

Manual Integrations

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6/30/2020 10:12:50 AM



#26

2,2-Dichloropropane

Concen: 20.090 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX017008.D

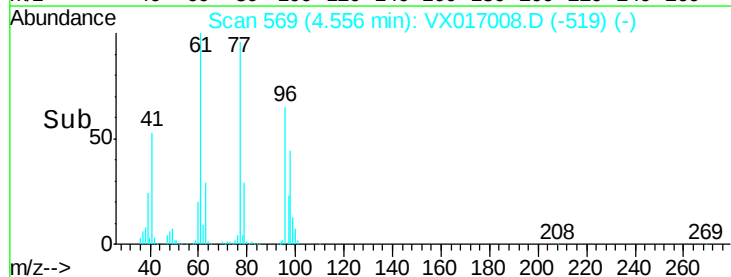
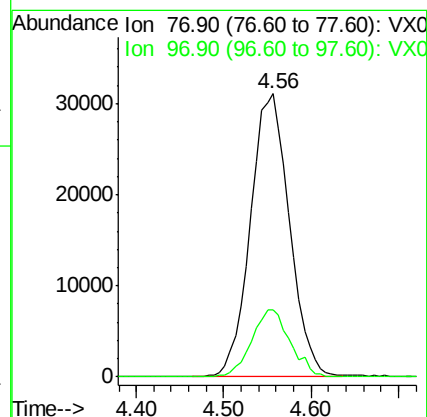
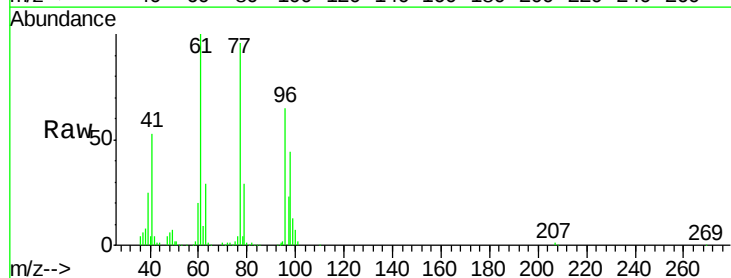
Acq: 29 Jun 2020 14:58

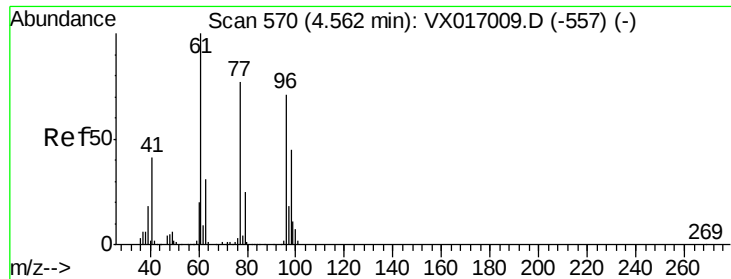
Tgt Ion: 77 Resp: 96805

Ion Ratio Lower Upper

77 100

97 23.4 11.4 34.2





#27

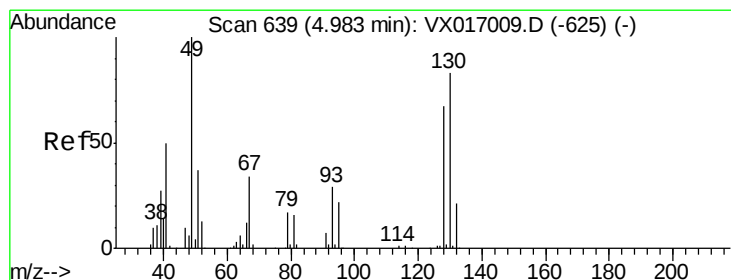
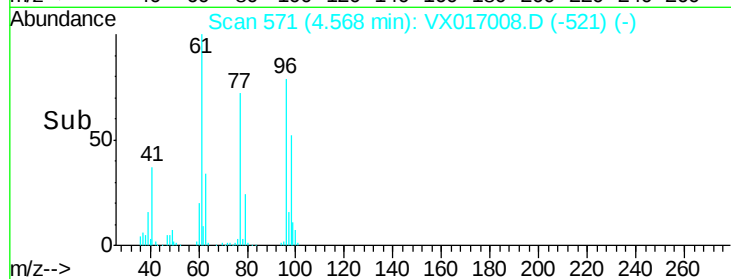
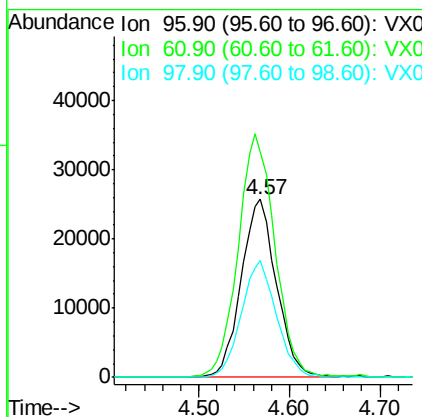
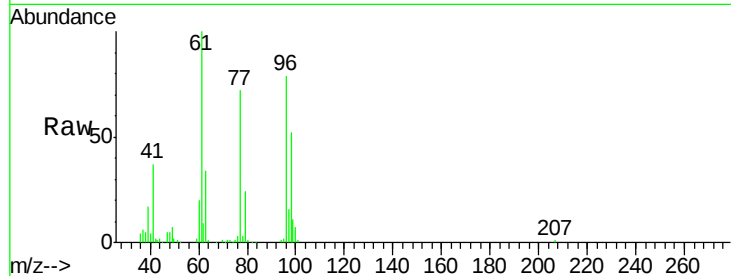
cis-1,2-Dichloroethene  
Concen: 19.765 ug/l  
RT: 4.57 min Scan# 571  
Delta R.T. 0.01 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 142.9 | 0.0   | 282.8 |
| 98      | 65.1  | 0.0   | 127.6 |

Manual Integrations  
APPROVED

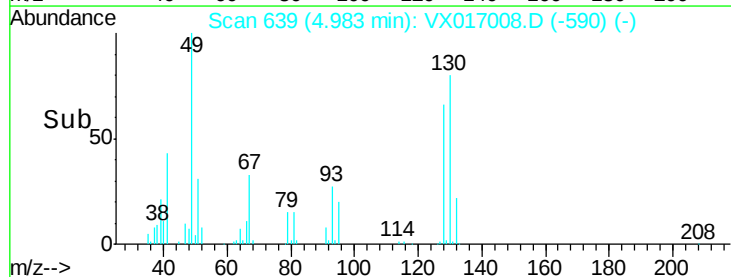
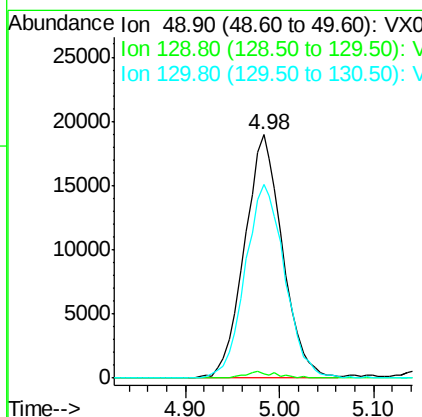
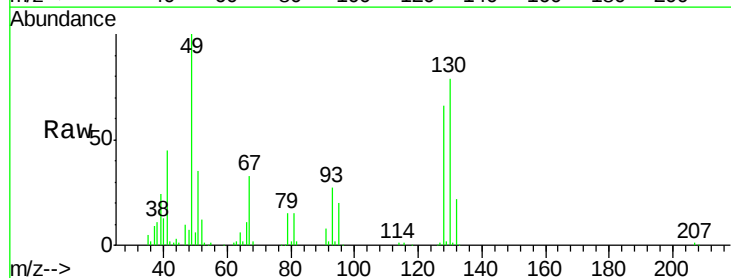
MMDadoda  
6/30/2020 10:12:50 AM

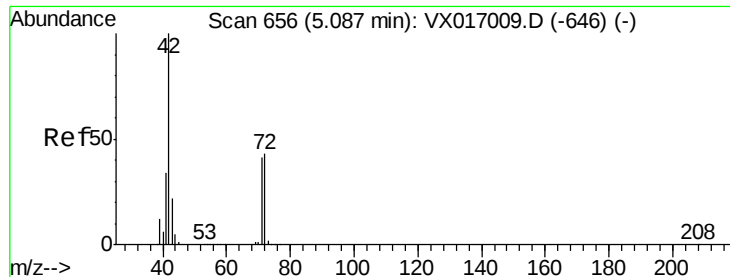


#28

Bromochloromethane  
Concen: 20.264 ug/l  
RT: 4.98 min Scan# 639  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.2   | 0.0   | 4.2   |
| 130     | 83.0  | 66.6  | 100.0 |





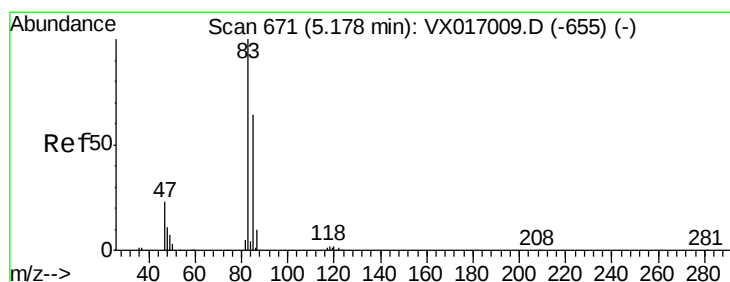
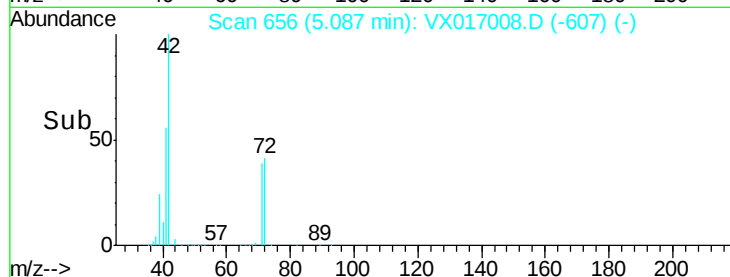
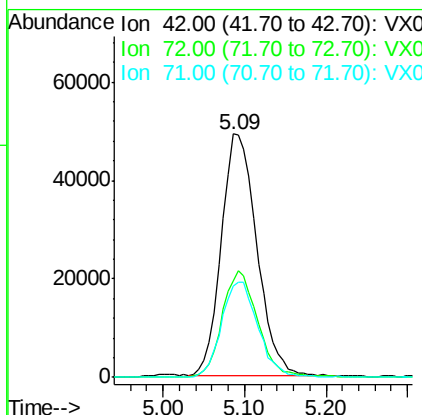
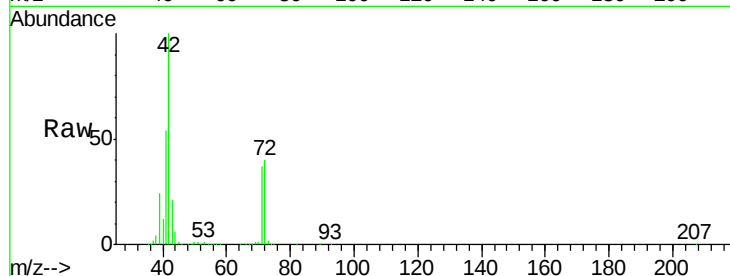
#29  
Tetrahydrofuran  
Concen: 104.230 ug/l  
RT: 5.09 min Scan# 656  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.9  | 35.3  | 52.9  |
| 71      | 40.4  | 33.1  | 49.7  |

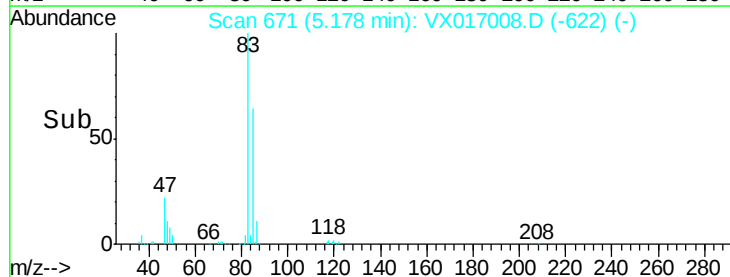
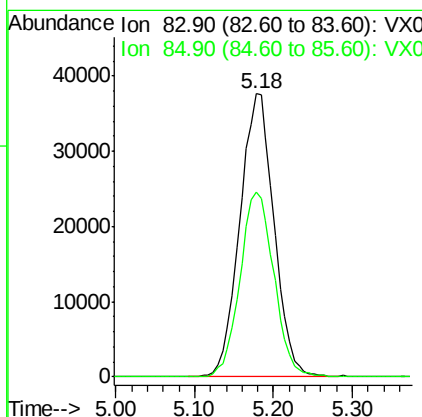
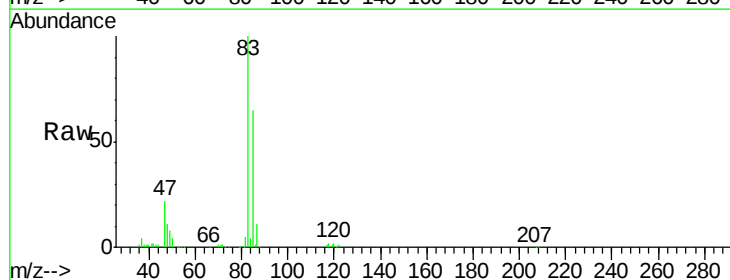
Manual Integrations  
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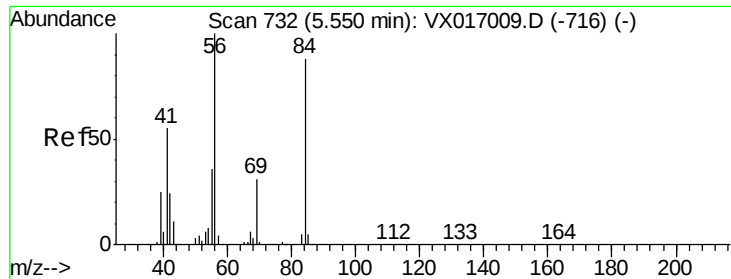
MMDadoda  
6/30/2020 10:12:50 AM



#30  
Chloroform  
Concen: 20.379 ug/l  
RT: 5.18 min Scan# 671  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.3  | 51.4  | 77.2  |





#31

Cyclohexane

Concen: 20.553 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

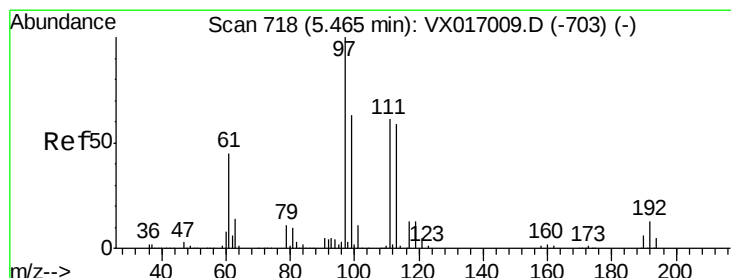
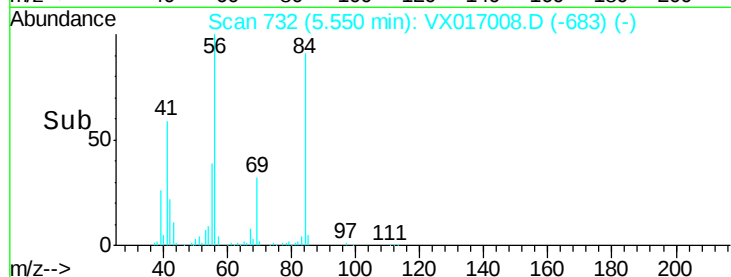
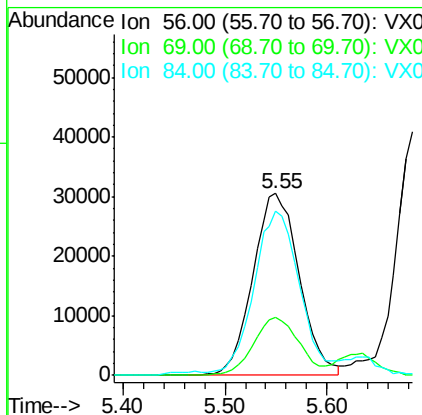
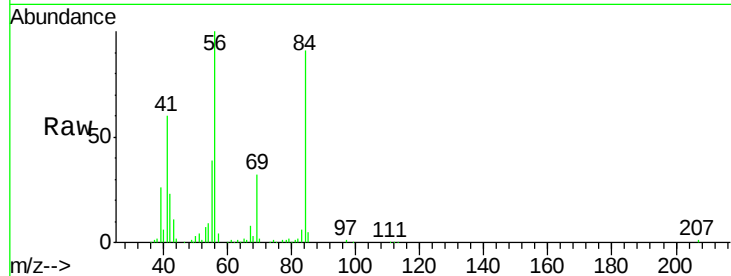
ClientSampleId :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 56    | Resp: | 96411 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 31.8  | 25.0  | 37.4  |
| 84       | 88.7  | 69.1  | 103.7 |

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#32

1,1,1-Trichloroethane

Concen: 20.452 ug/l

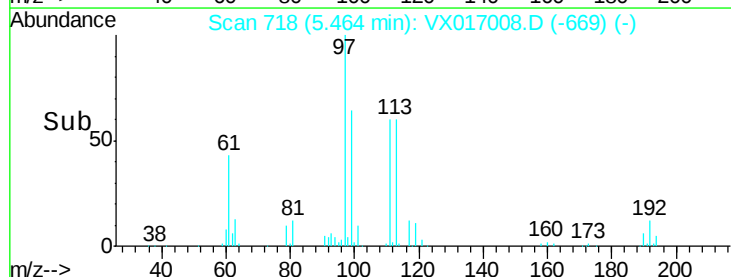
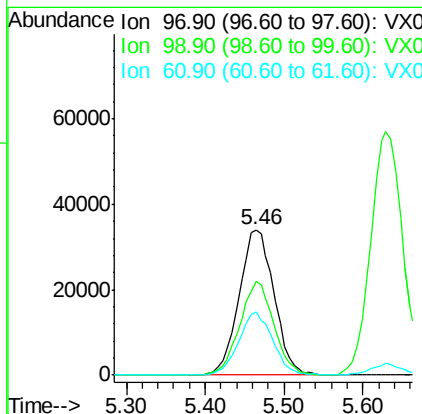
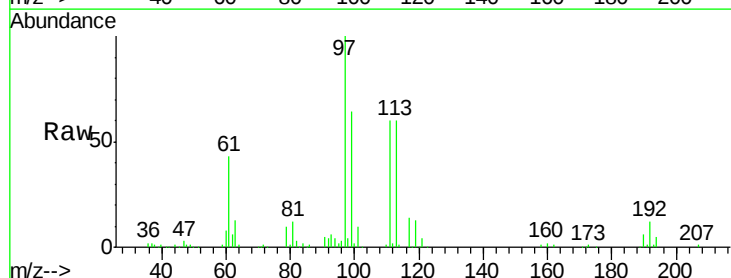
RT: 5.46 min Scan# 718

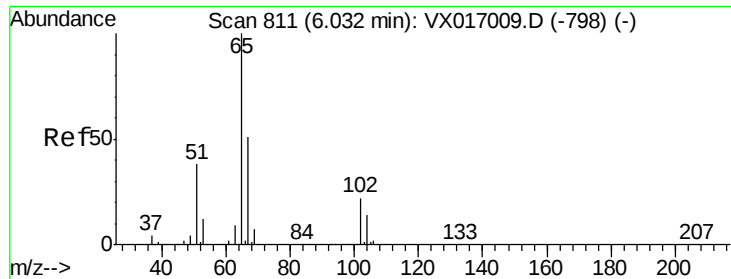
Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 104784 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 62.7  | 50.8  | 76.2   |
| 61       | 42.0  | 33.7  | 50.5   |





#33

1,2-Dichloroethane-d4

Concen: 19.888 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 69101

Ion Ratio Lower Upper

65 100

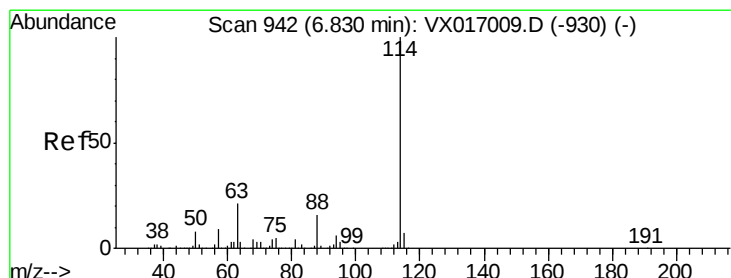
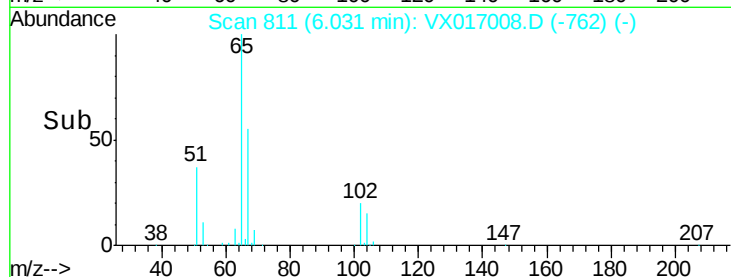
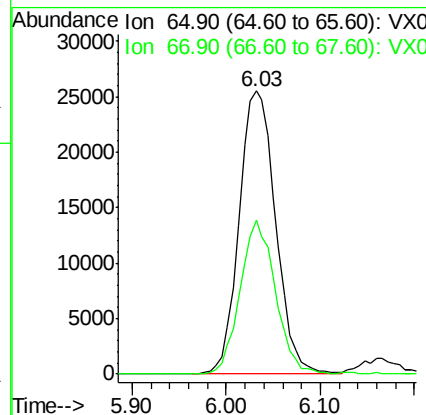
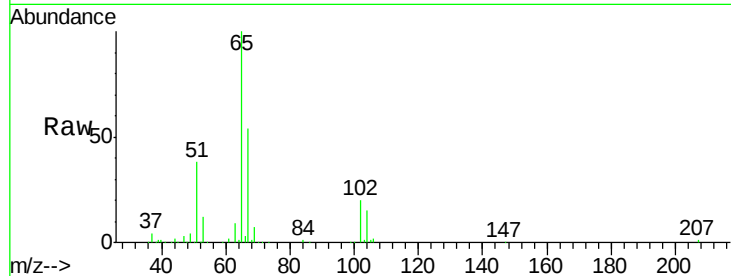
67 52.6 0.0 103.8

Manual Integrations

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6/30/2020 10:12:50 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

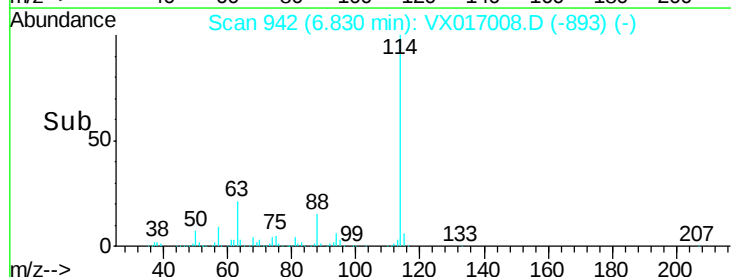
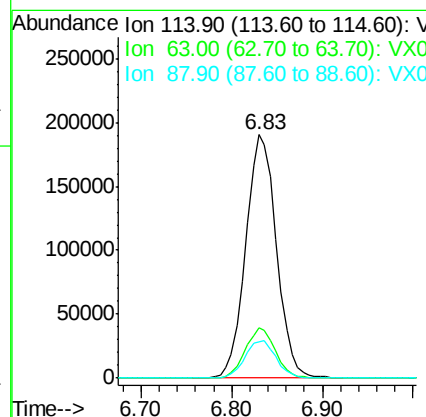
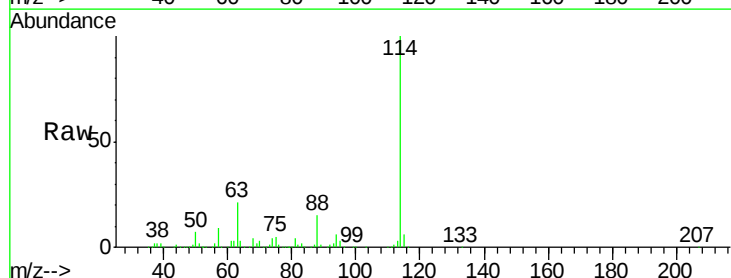
Tgt Ion: 114 Resp: 445178

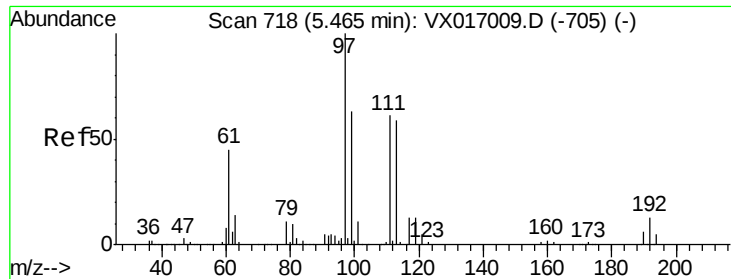
Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

88 14.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 20.108 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

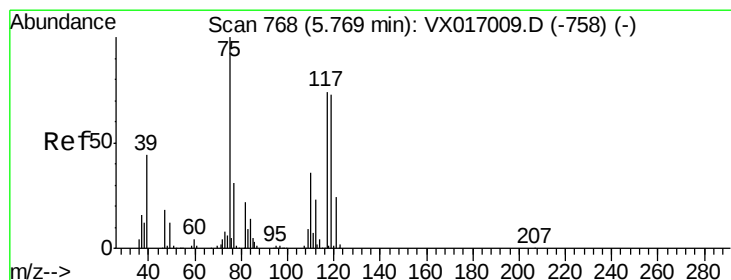
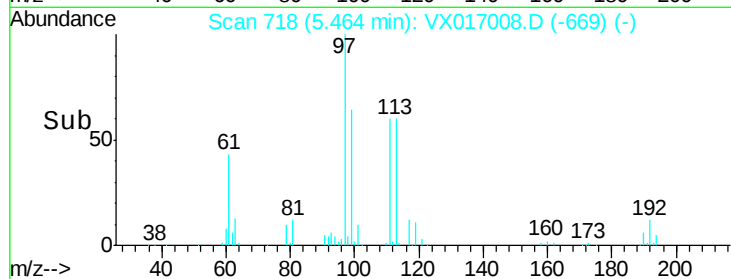
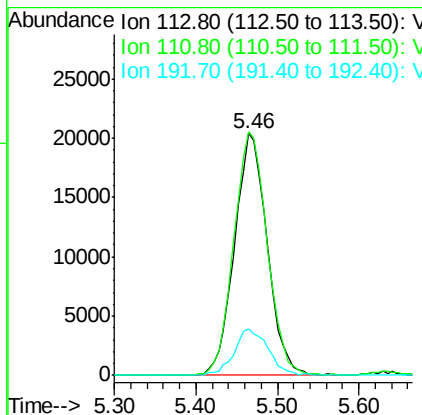
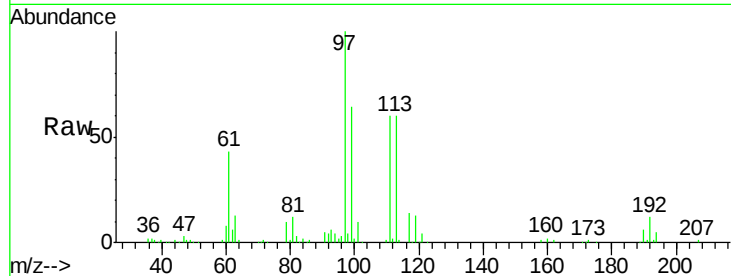
ClientSampleId :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 56626 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.6 | 81.9  | 122.9 |
| 192      | 20.1  | 16.7  | 25.1  |

Manual Integrations  
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6/30/2020 10:12:50 AM



#36

1,1-Dichloropropene

Concen: 19.532 ug/l

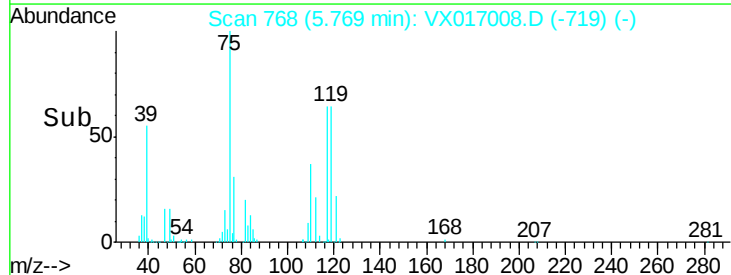
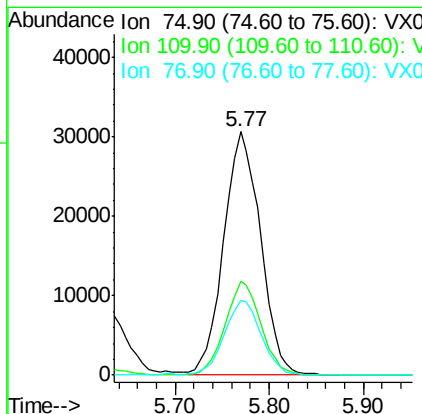
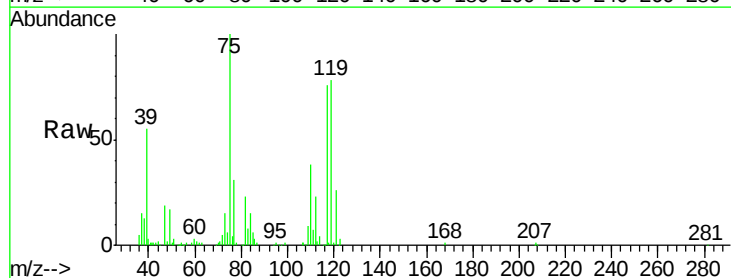
RT: 5.77 min Scan# 768

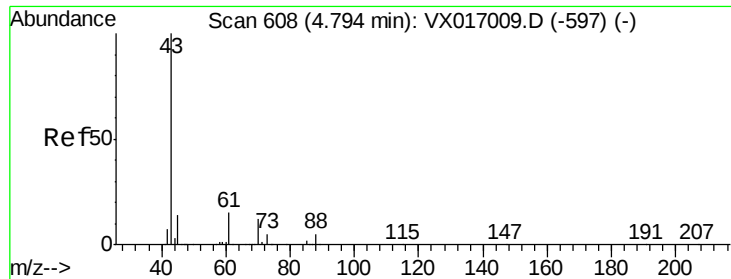
Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 82181 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 37.5  | 18.1  | 54.1  |
| 77       | 31.2  | 24.6  | 37.0  |





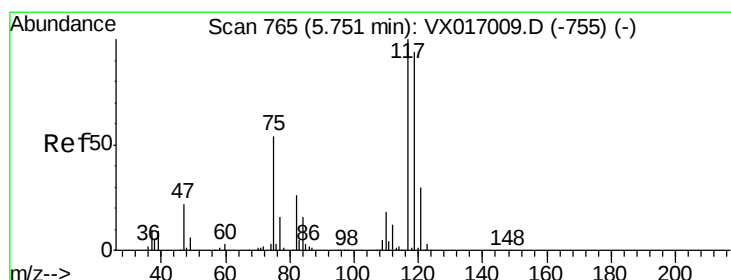
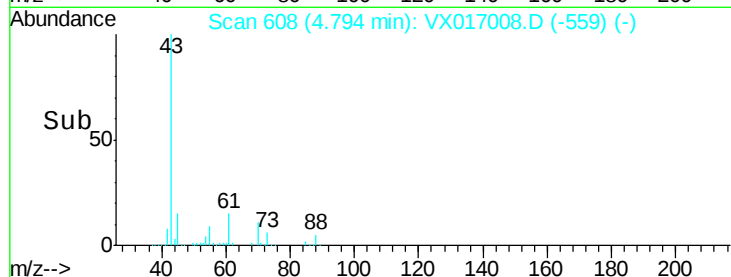
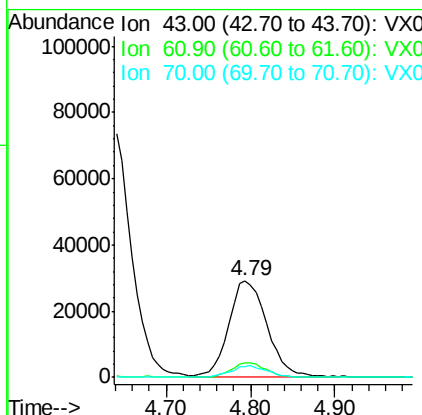
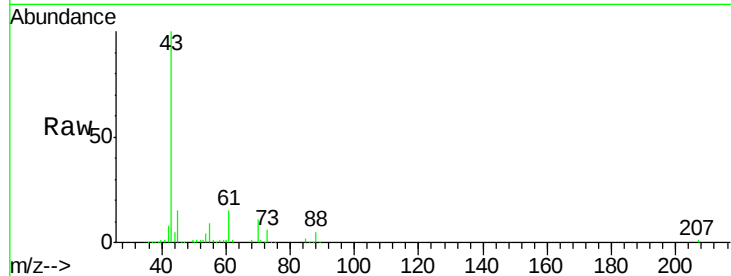
#37  
Ethyl Acetate  
Concen: 20.616 ug/l  
RT: 4.79 min Scan# 608  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.9  | 11.0  | 16.4  |
| 70      | 11.5  | 8.9   | 13.3  |

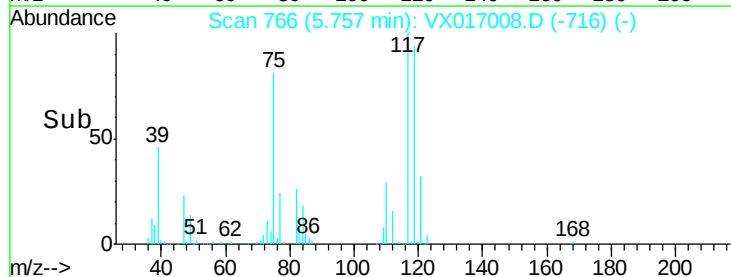
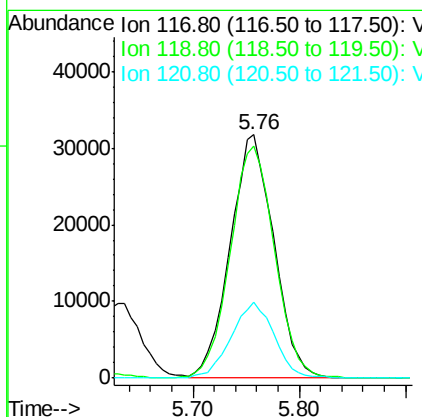
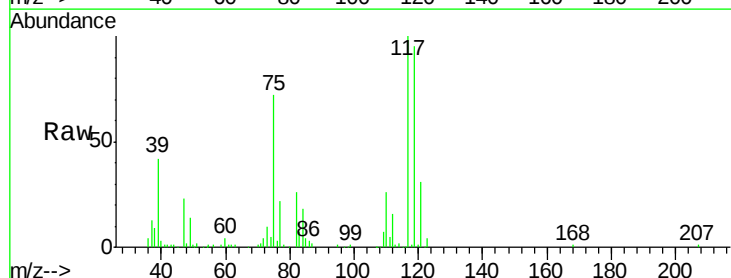
Manual Integrations  
APPROVED

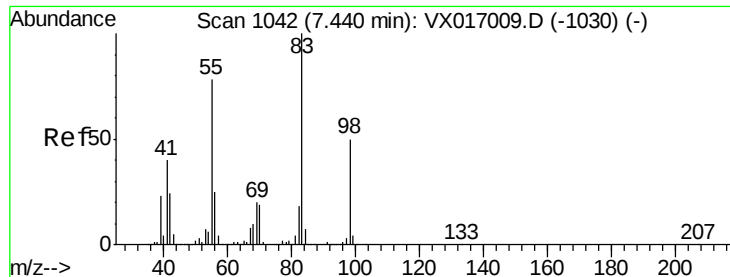
MMDadoda  
6/30/2020 10:12:50 AM



#38  
Carbon Tetrachloride  
Concen: 19.594 ug/l  
RT: 5.76 min Scan# 766  
Delta R.T. 0.01 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.8  | 75.4  | 113.0 |
| 121     | 31.3  | 23.8  | 35.6  |





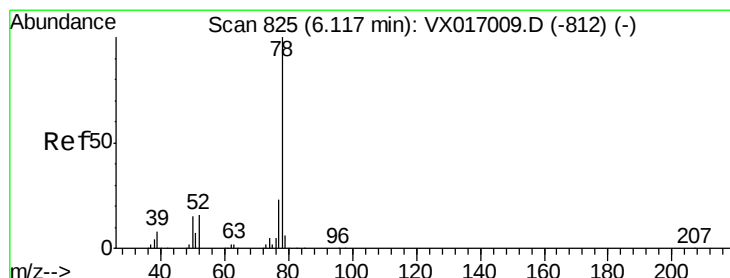
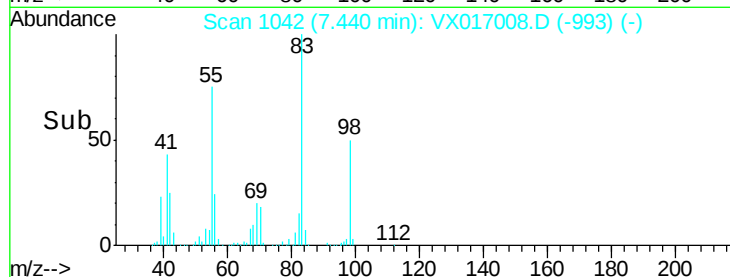
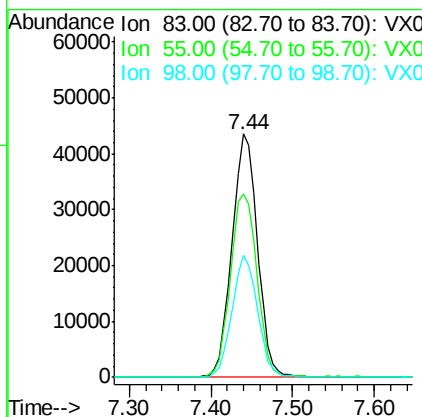
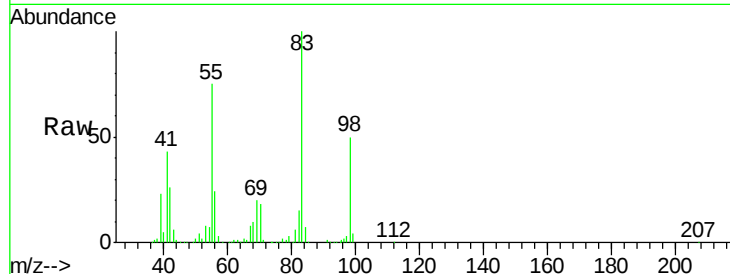
#39  
Methylvlcyclohexane  
Concen: 19.969 ug/l  
RT: 7.44 min Scan# 1042  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 75.4  | 62.5  | 93.7  |
| 98      | 50.0  | 40.1  | 60.1  |

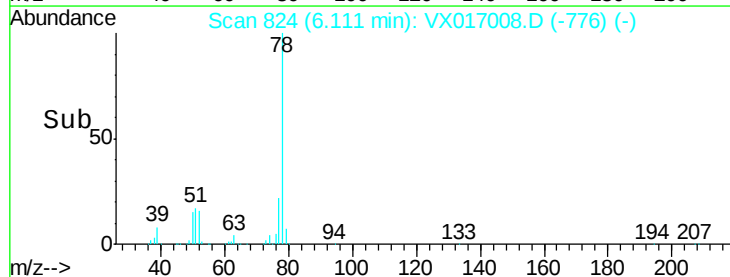
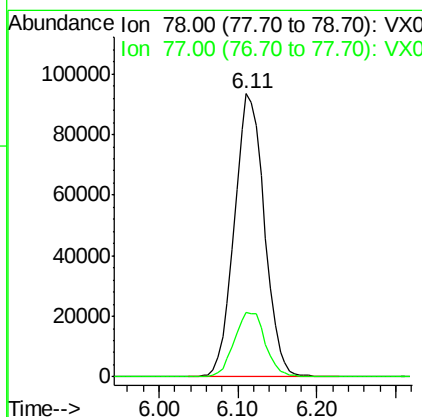
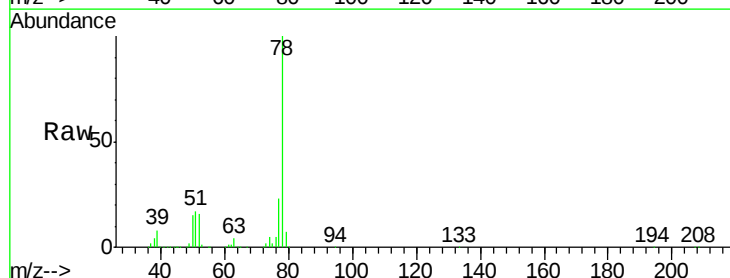
Manual Integrations  
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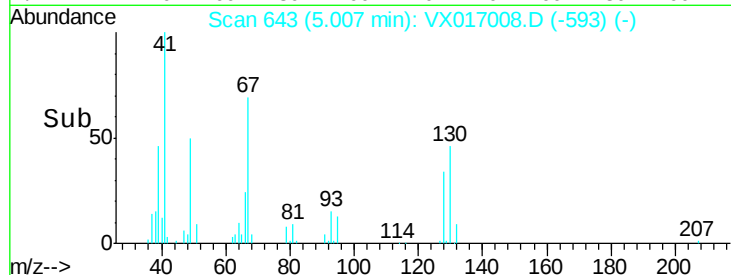
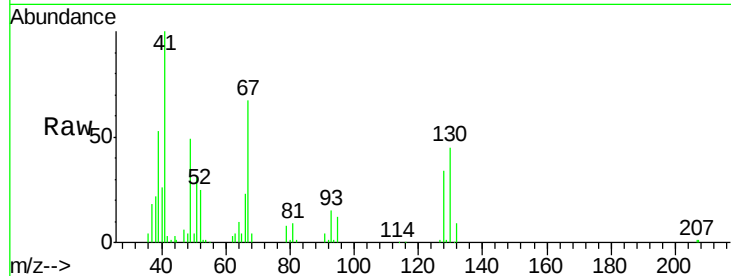
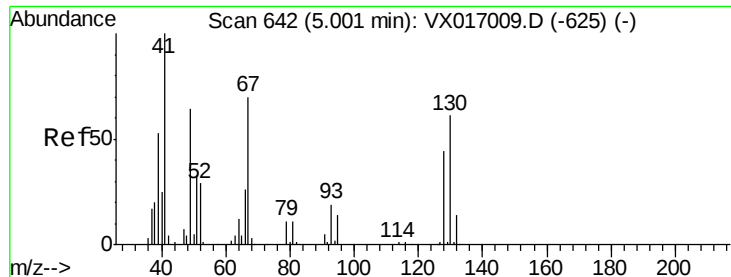
MMDadoda  
6/30/2020 10:12:50 AM



#40  
Benzene  
Concen: 20.057 ug/l  
RT: 6.11 min Scan# 824  
Delta R.T. -0.01 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 22.7  | 18.3  | 27.5  |





#41

Methacrylonitrile

Concen: 20.520 ug/l

RT: 5.01 min Scan# 643

Delta R.T. 0.01 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 52.6 | 44.4  | 66.6  |       |
| 67      | 70.3 | 57.1  | 85.7  |       |
| 52      | 30.0 | 23.2  | 34.8  |       |

Instrument :

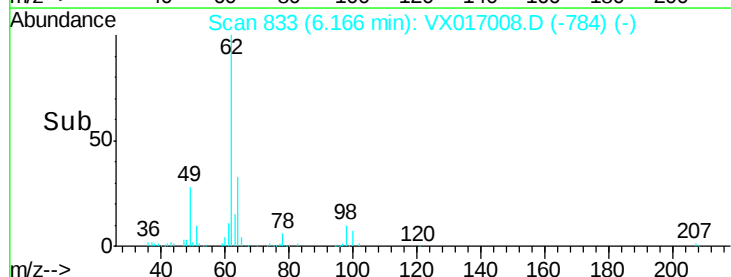
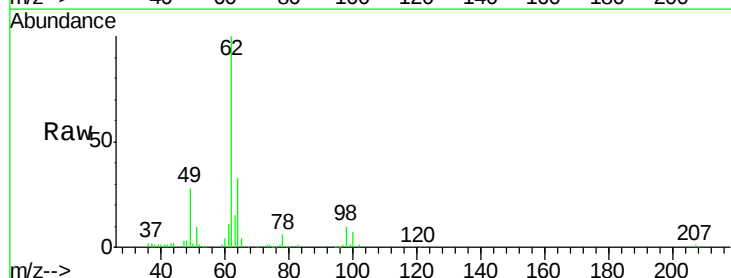
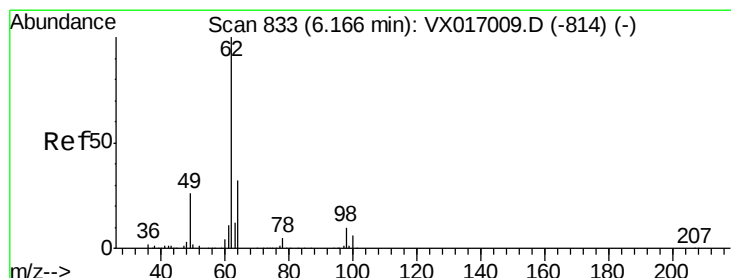
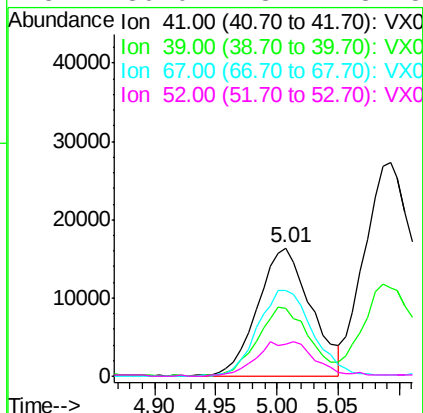
MSVOA\_X

ClientSampleId :

VSTDIC020

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MMDadoda  
6/30/2020 10:12:50 AM



#42

1,2-Dichloroethane

Concen: 19.916 ug/l

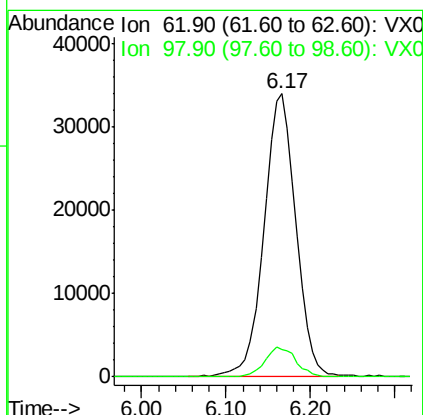
RT: 6.17 min Scan# 833

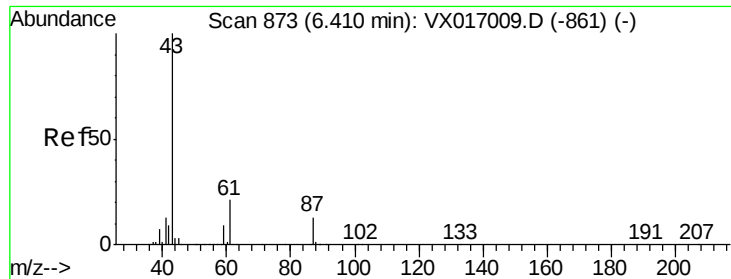
Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 62      | 100  |       |       |       |
| 98      | 10.2 | 0.0   | 19.2  |       |





#43

Isopropyl Acetate

Concen: 19.591 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.01 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

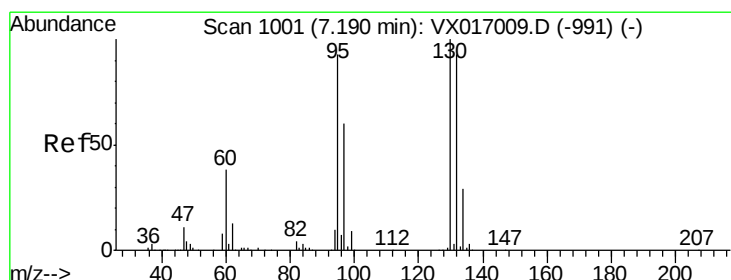
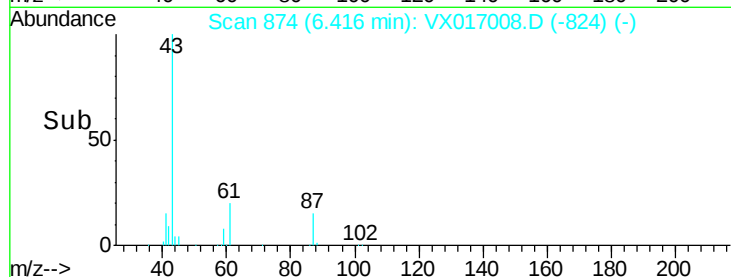
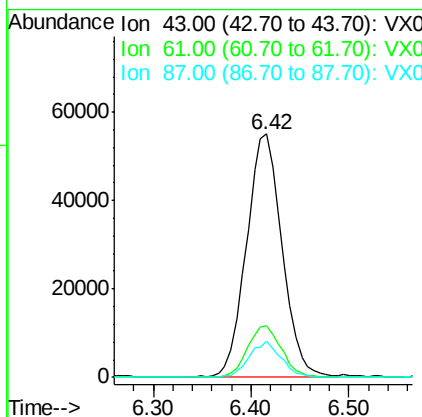
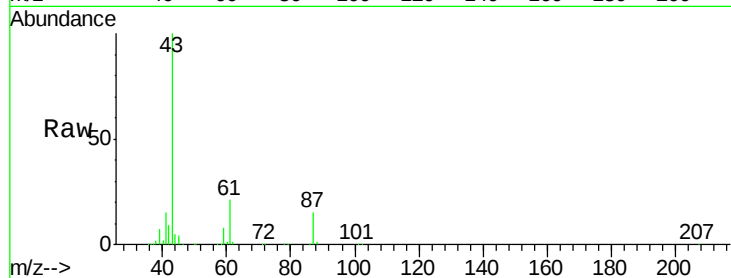
ClientSampleId :

VSTDIC020

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 138976 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 20.5  | 16.2  | 24.2   |
| 87       | 13.6  | 10.7  | 16.1   |

Manual Integrations  
APPROVED

MMDadoda  
6/30/2020 10:12:50 AM



#44

Trichloroethene

Concen: 19.570 ug/l

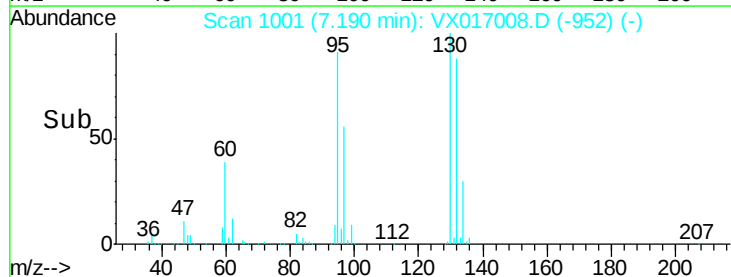
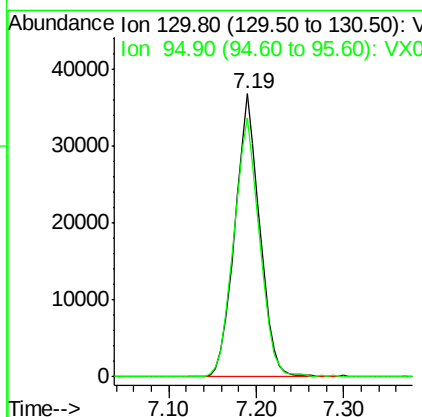
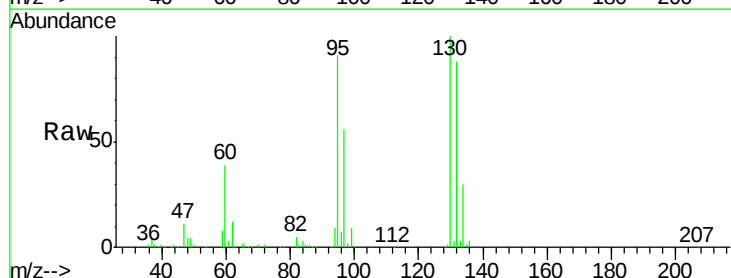
RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 72869 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 91.4  | 0.0   | 185.0 |





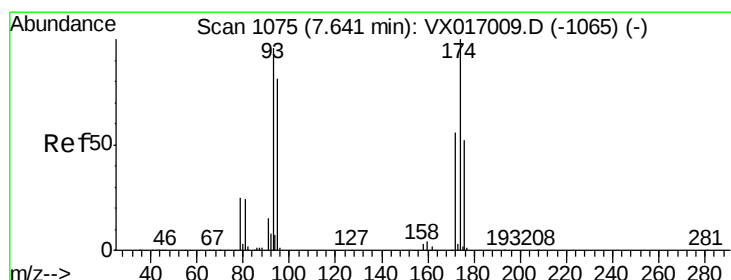
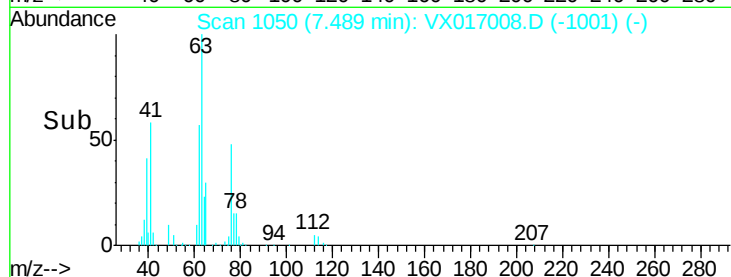
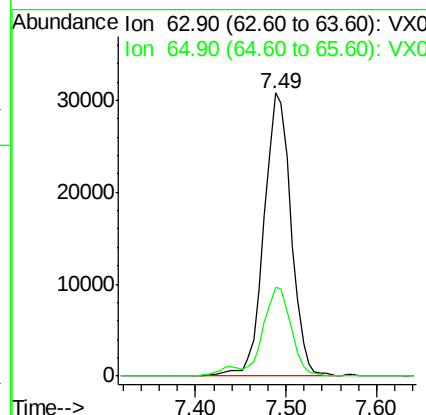
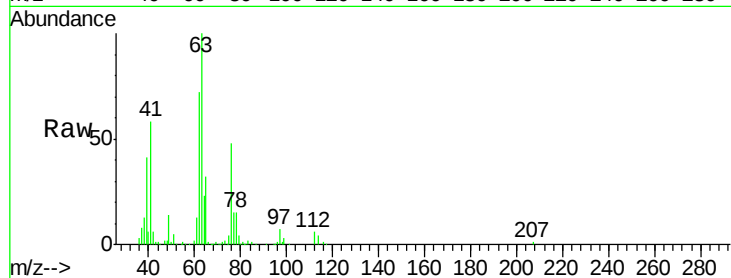
#45  
 1,2-Dichloropropane  
 Concen: 20.038 ug/l  
 RT: 7.49 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VX017008.D  
 Acq: 29 Jun 2020 14:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.6  | 24.6  | 36.8  |

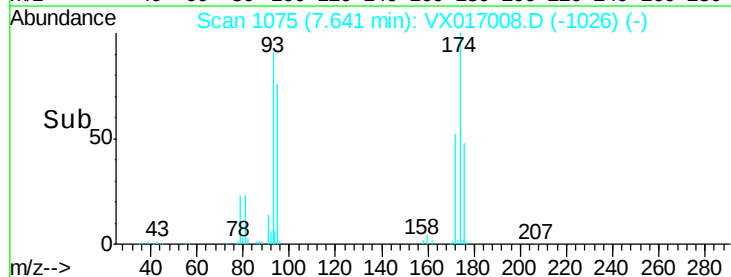
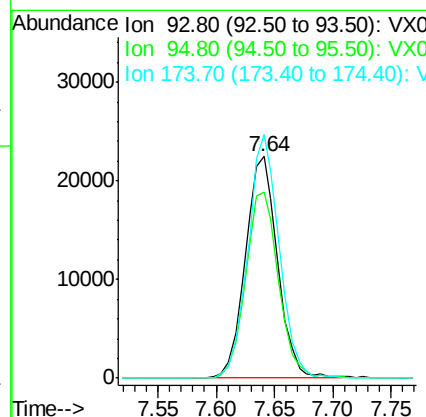
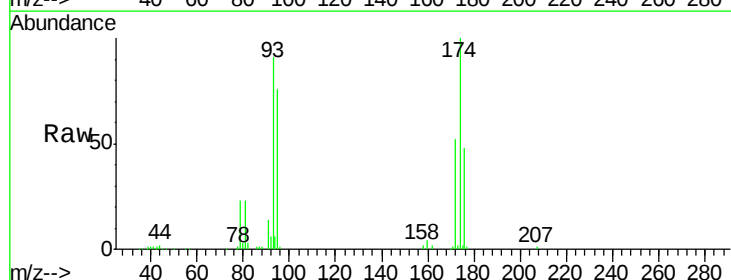
Manual Integrations  
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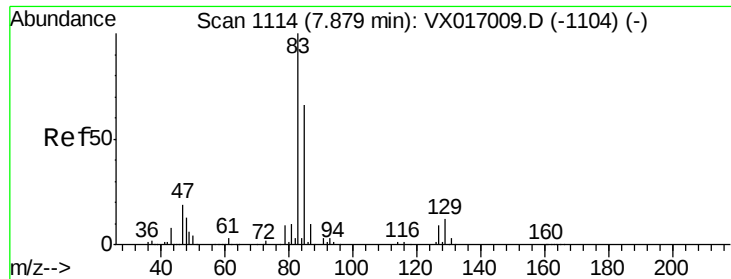
MMDadoda  
 6/30/2020 10:12:50 AM



#46  
 Dibromomethane  
 Concen: 19.943 ug/l  
 RT: 7.64 min Scan# 1075  
 Delta R.T. -0.00 min  
 Lab File: VX017008.D  
 Acq: 29 Jun 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 85.4  | 67.4  | 101.0 |
| 174     | 106.9 | 84.3  | 126.5 |





#47

Bromodichloromethane

Concen: 20.049 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

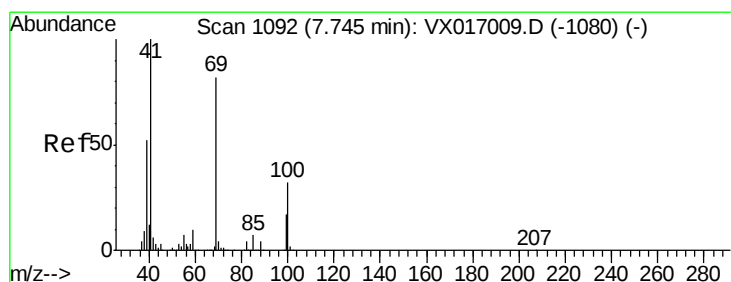
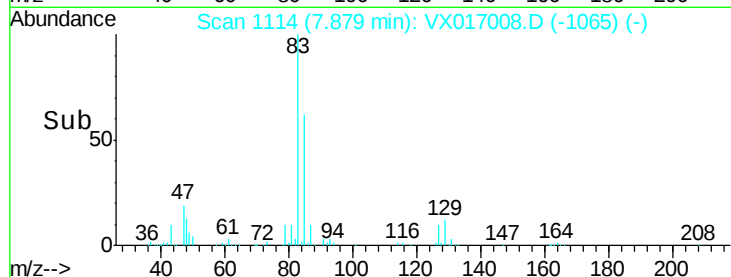
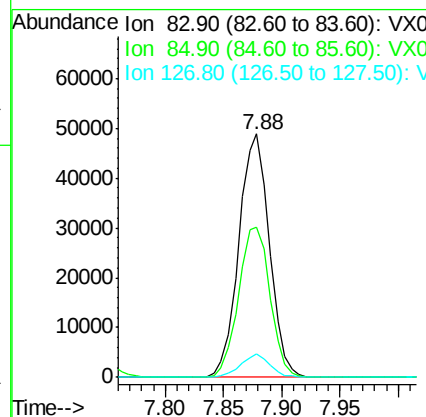
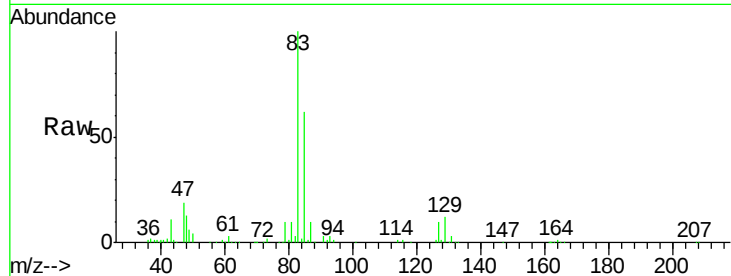
ClientSampleId :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 89567 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 61.9  | 53.0  | 79.4  |
| 127      | 9.8   | 7.5   | 11.3  |

Manual Integrations  
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MMDadoda  
6/30/2020 10:12:50 AM



#48

Methyl methacrylate

Concen: 19.685 ug/l

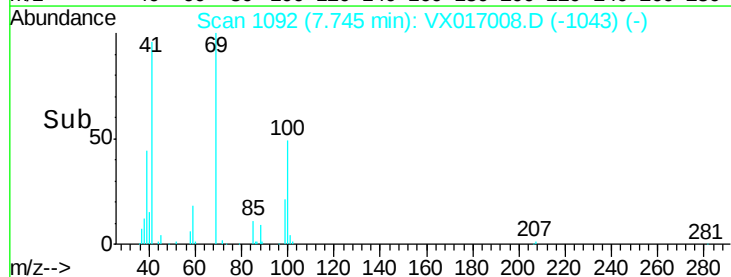
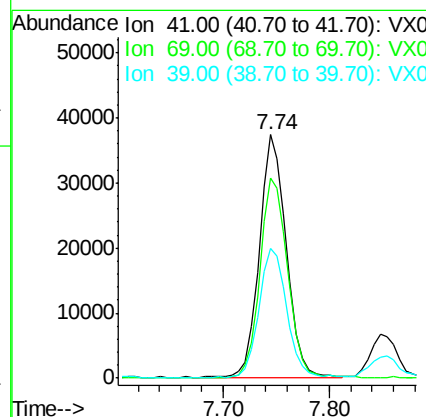
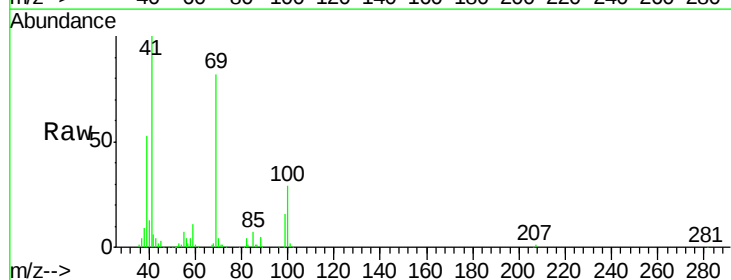
RT: 7.74 min Scan# 1092

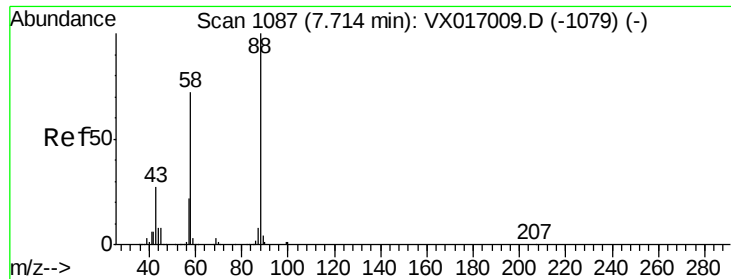
Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 66342 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 85.0  | 65.8  | 98.8  |
| 39       | 55.0  | 42.5  | 63.7  |





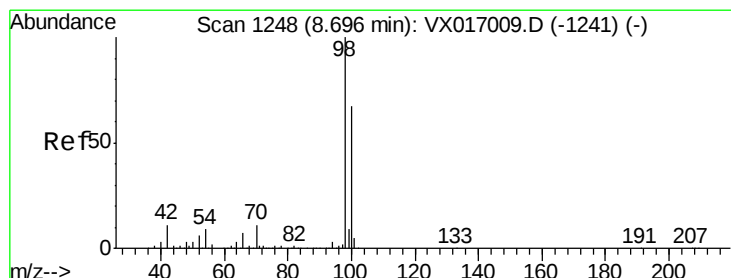
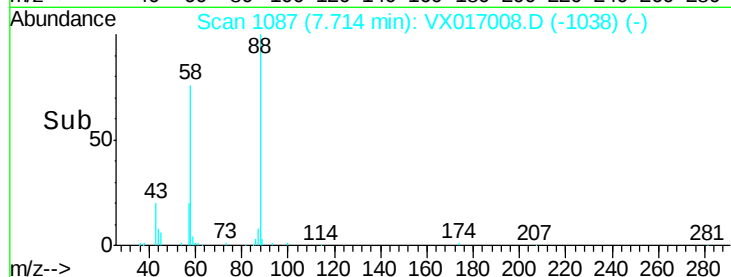
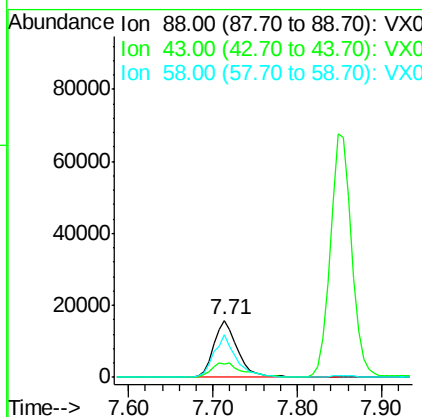
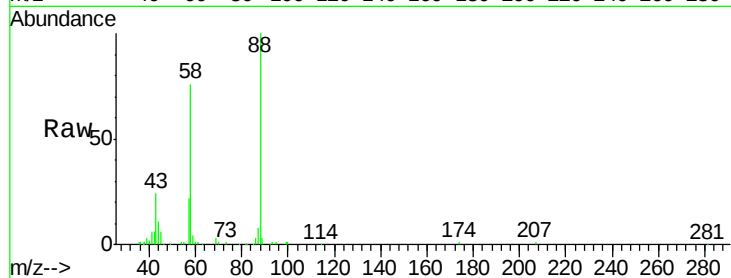
#49  
1,4-Dioxane  
Concen: 407.041 ug/l  
RT: 7.71 min Scan# 1087  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 34.6  | 25.8  | 38.8  |
| 58      | 70.1  | 54.8  | 82.2  |

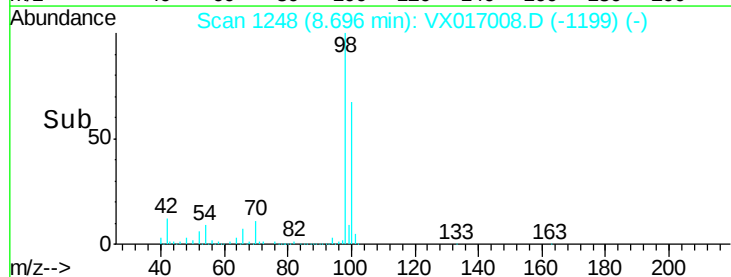
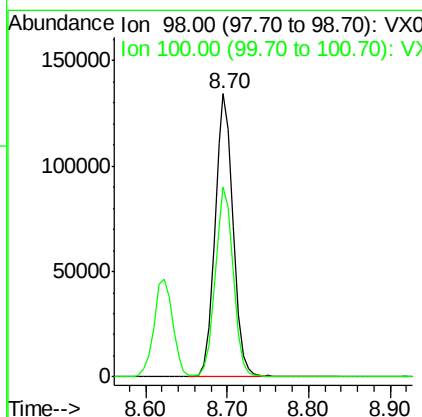
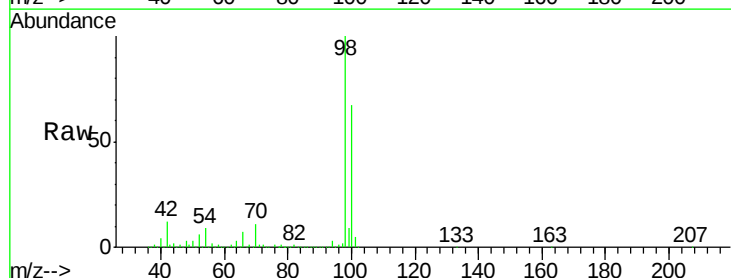
Manual Integrations  
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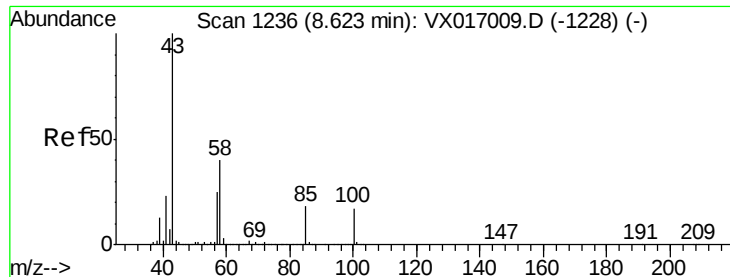
MMDadoda  
6/30/2020 10:12:50 AM



#50  
Toluene-d8  
Concen: 20.189 ug/l  
RT: 8.70 min Scan# 1248  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 67.0  | 53.8  | 80.6  |





#51

4-Methyl-2-Pentanone

Concen: 104.514 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 441943

Ion Ratio Lower Upper

43 100

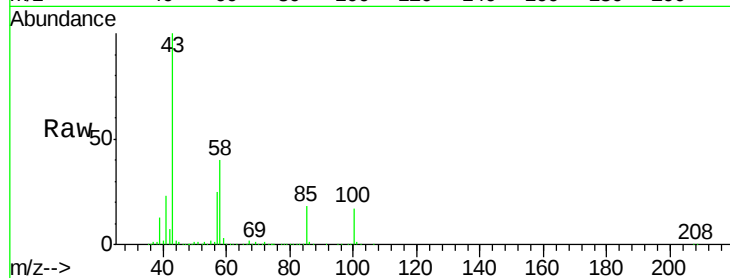
58 39.3 31.9 47.9

Manual Integrations

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6/30/2020 10:12:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

300000

250000

200000

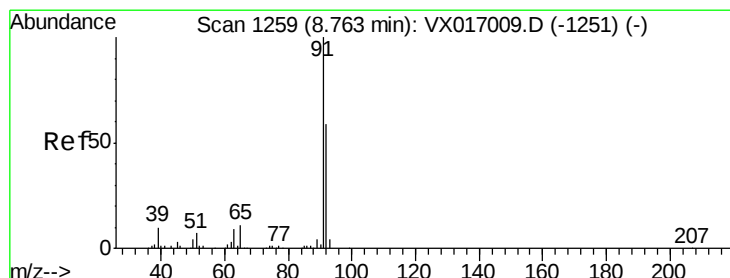
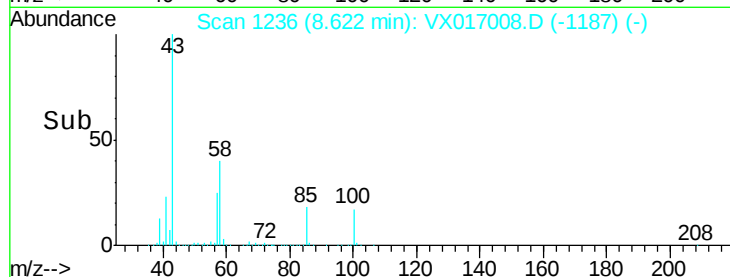
150000

100000

50000

0

Time--> 8.50 8.60 8.70



#52

Toluene

Concen: 20.296 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017008.D

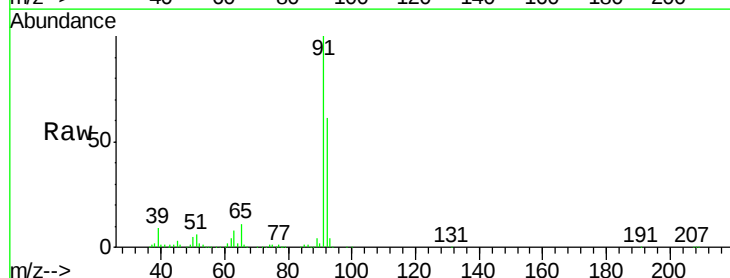
Acq: 29 Jun 2020 14:58

Tgt Ion: 92 Resp: 156654

Ion Ratio Lower Upper

92 100

91 167.6 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.77

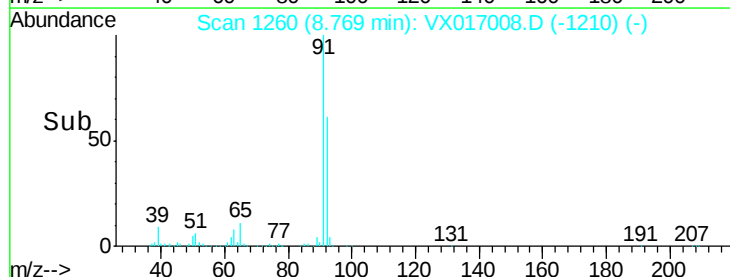
150000

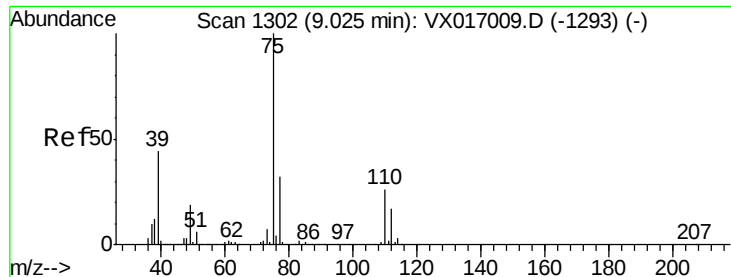
100000

50000

0

Time--> 8.70 8.75 8.80 8.85





#53

t-1,3-Dichloropropene

Concen: 19.622 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 96717

Ion Ratio Lower Upper

75 100

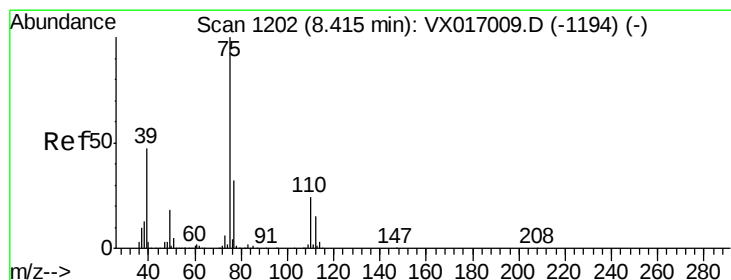
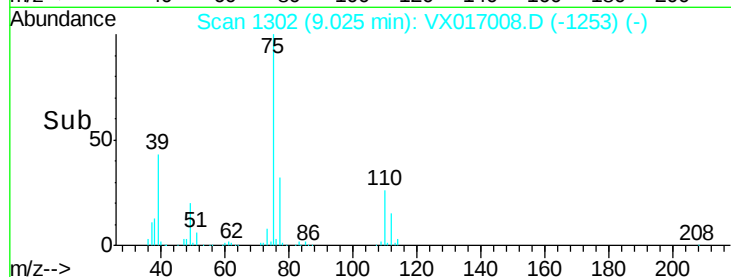
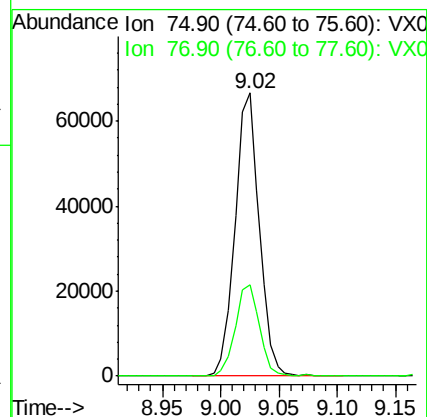
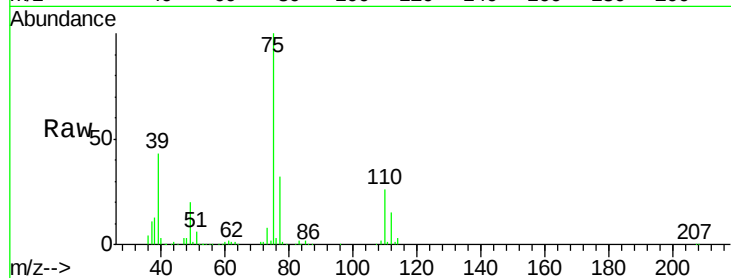
77 32.3 25.6 38.4

Manual Integrations

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MMDadoda

6/30/2020 10:12:50 AM



#54

cis-1,3-Dichloropropene

Concen: 19.945 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

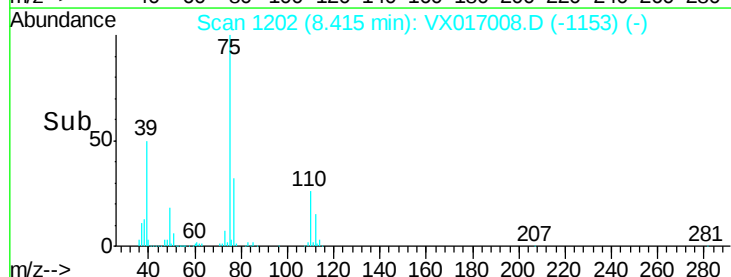
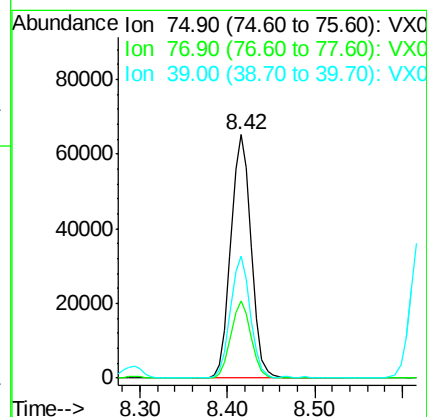
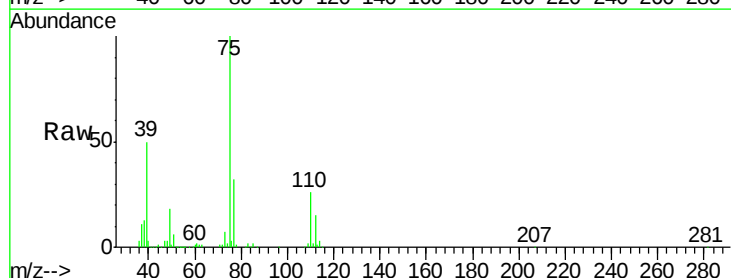
Tgt Ion: 75 Resp: 105384

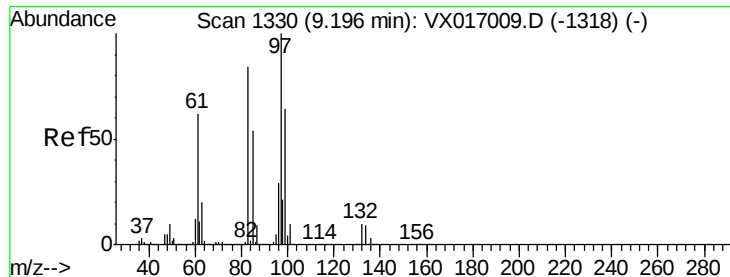
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 49.7 37.4 56.2





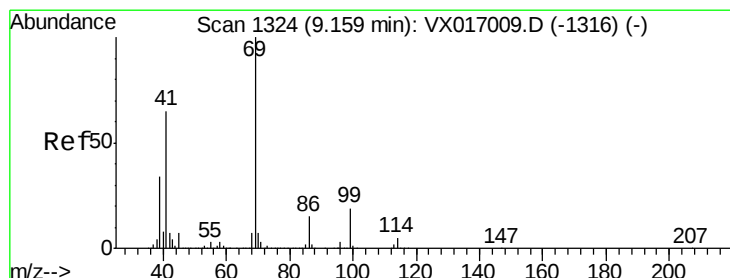
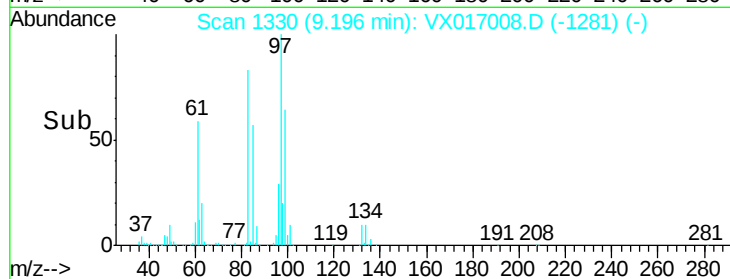
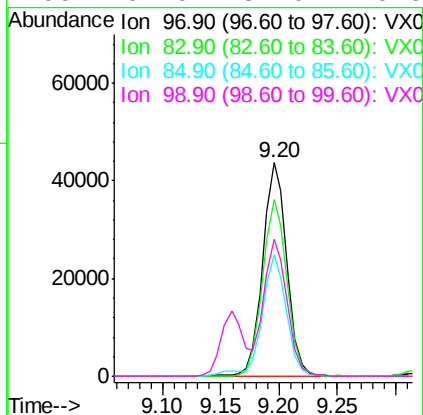
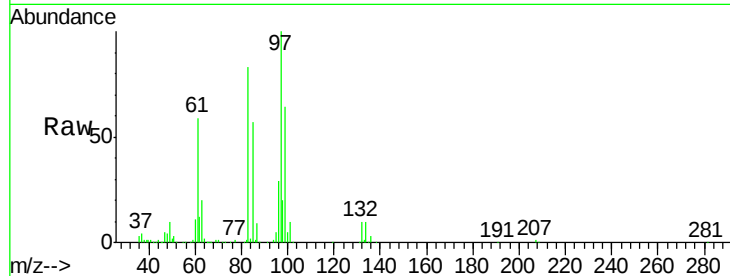
#55  
 1,1,2-Trichloroethane  
 Concen: 19.982 ug/l  
 RT: 9.20 min Scan# 1330  
 Delta R.T. -0.00 min  
 Lab File: VX017008.D  
 Acq: 29 Jun 2020 14:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 63012 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 82.6  | 67.0  | 100.6 |
| 85       | 57.2  | 43.5  | 65.3  |
| 99       | 64.0  | 51.0  | 76.6  |

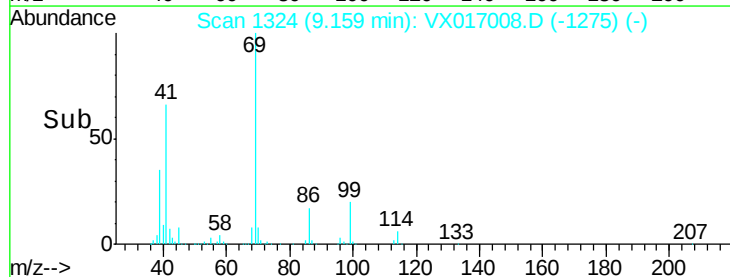
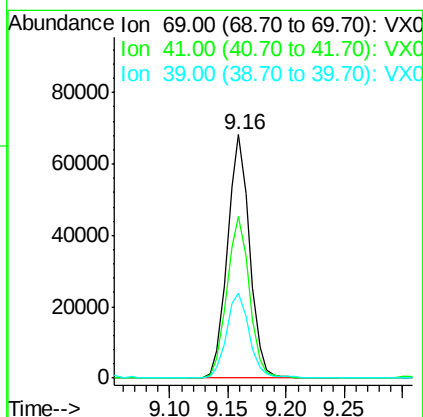
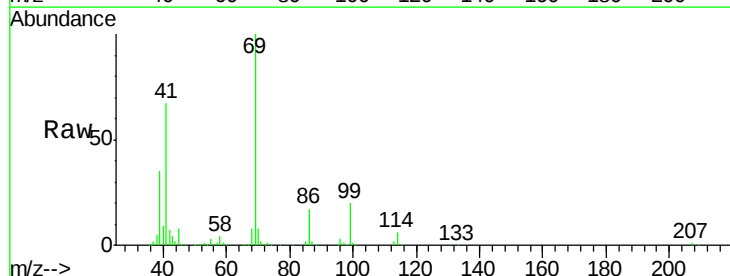
Manual Integrations  
 APPROVED

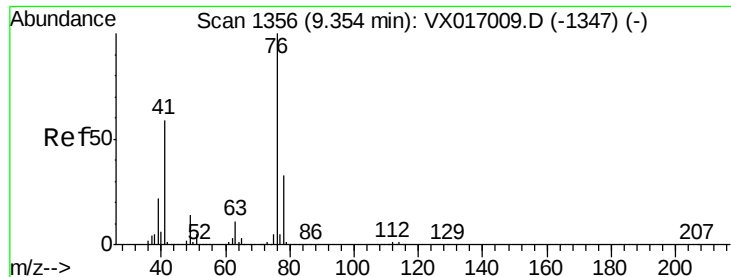
MMDadoda  
 6/30/2020 10:12:50 AM



#56  
 Ethyl methacrylate  
 Concen: 20.169 ug/l  
 RT: 9.16 min Scan# 1324  
 Delta R.T. -0.00 min  
 Lab File: VX017008.D  
 Acq: 29 Jun 2020 14:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 90526 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 67.0  | 53.6  | 80.4  |
| 39       | 35.5  | 28.2  | 42.2  |





#57

1,3-Dichloropropane

Concen: 20.025 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 106854

Ion Ratio Lower Upper

76 100

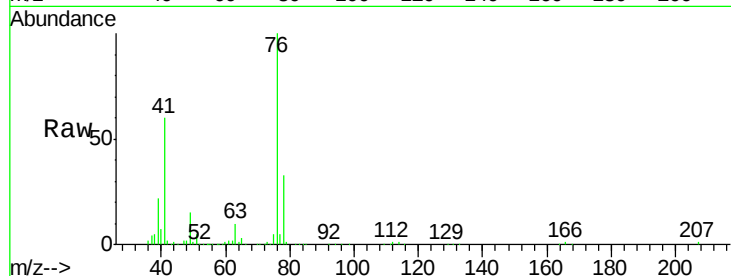
78 32.2 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

6/30/2020 10:12:50 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

80000

60000

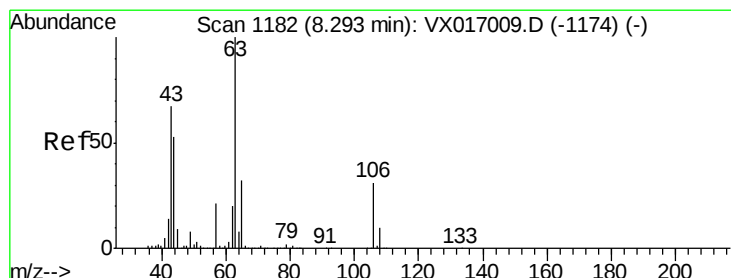
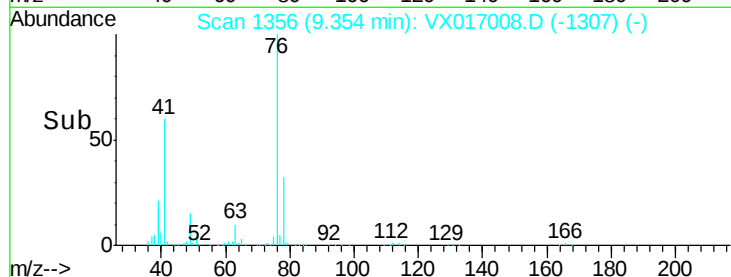
40000

20000

0

9.25 9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 104.825 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX017008.D

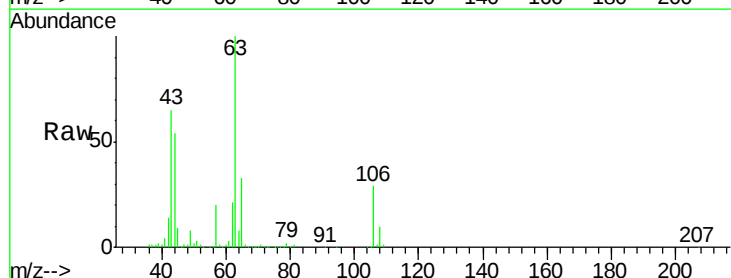
Acq: 29 Jun 2020 14:58

Tgt Ion: 63 Resp: 234163

Ion Ratio Lower Upper

63 100

106 29.6 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

150000

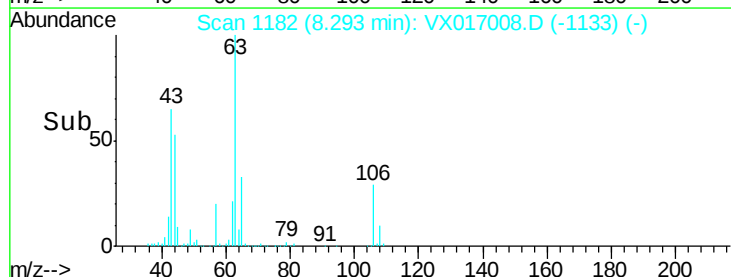
100000

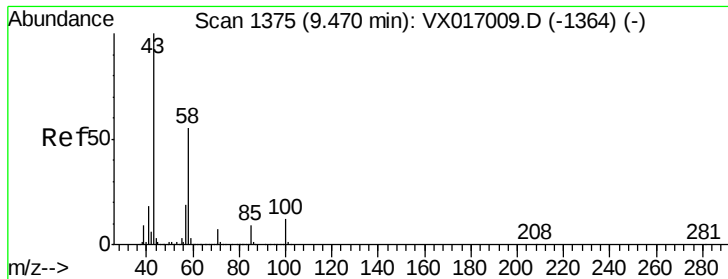
50000

0

8.20 8.30 8.40

Time-->





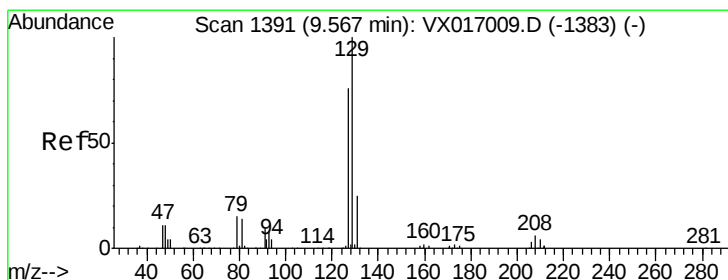
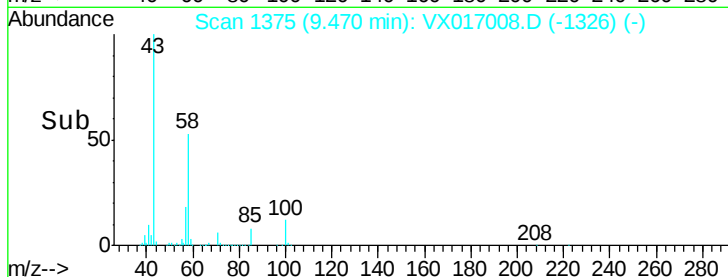
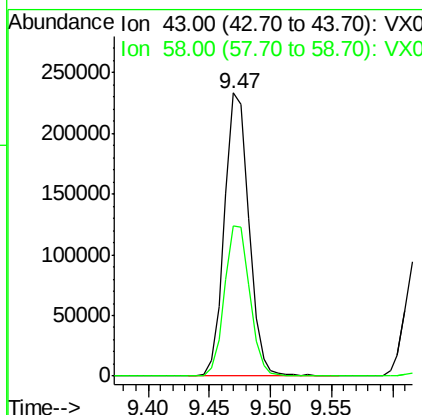
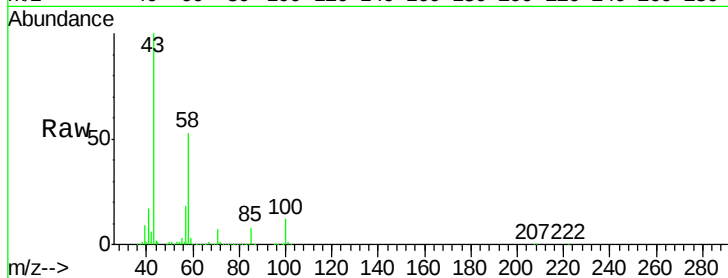
#59  
2-Hexanone  
Concen: 104.559 ug/l  
RT: 9.47 min Scan# 1375  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 54.6  | 27.9  | 83.6  |

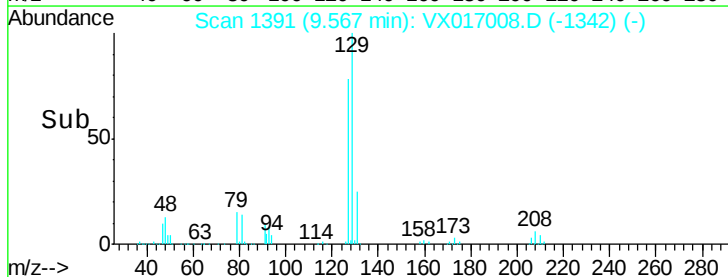
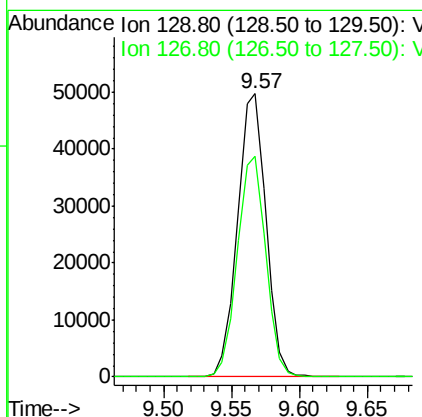
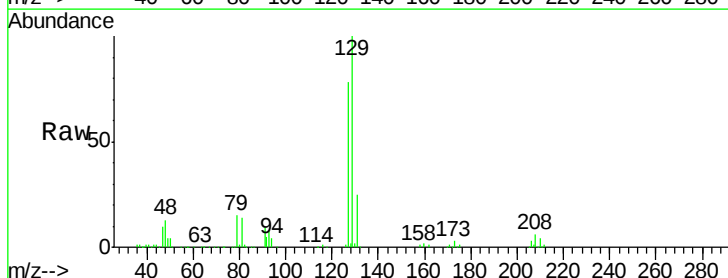
Manual Integrations  
APPROVED

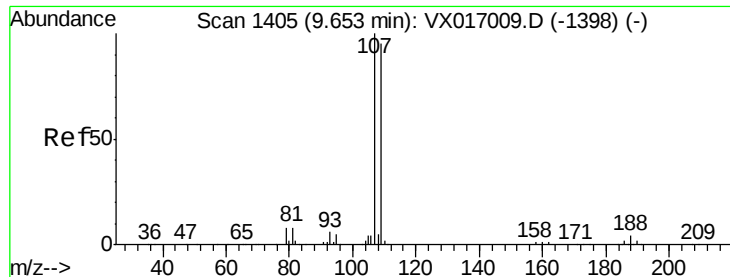
MMDadoda  
6/30/2020 10:12:50 AM



#60  
Dibromochloromethane  
Concen: 19.844 ug/l  
RT: 9.57 min Scan# 1391  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 77.8  | 38.9  | 116.7 |





#61

1,2-Dibromoethane

Concen: 19.931 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 67558

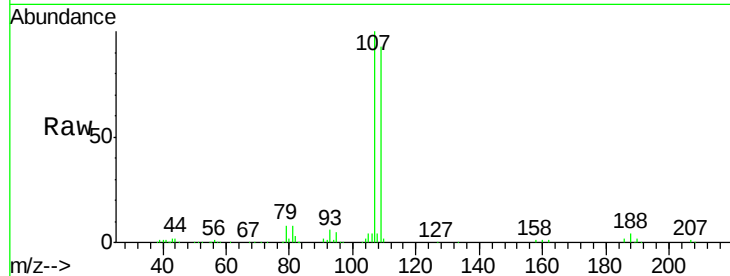
Ion Ratio Lower Upper

107 100

109 94.4 75.8 113.8

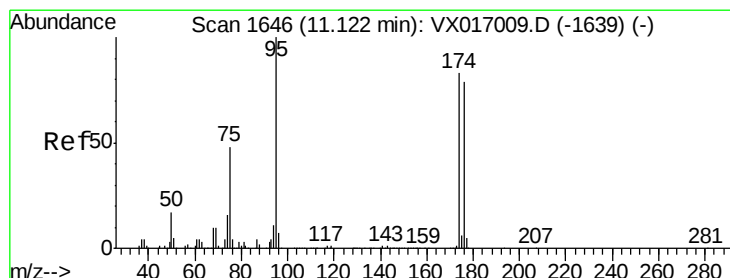
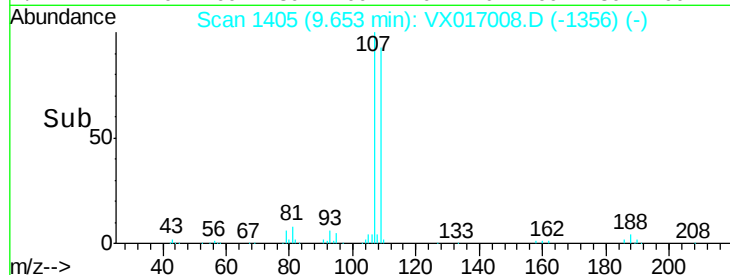
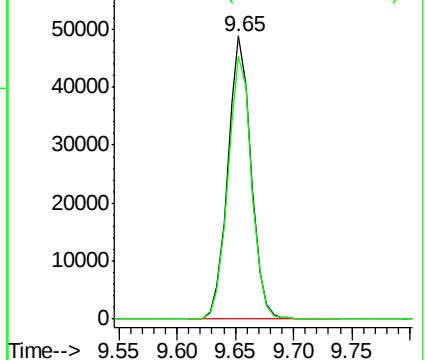
Manual Integrations  
APPROVED

MMDadoda  
6/30/2020 10:12:50 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.351 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

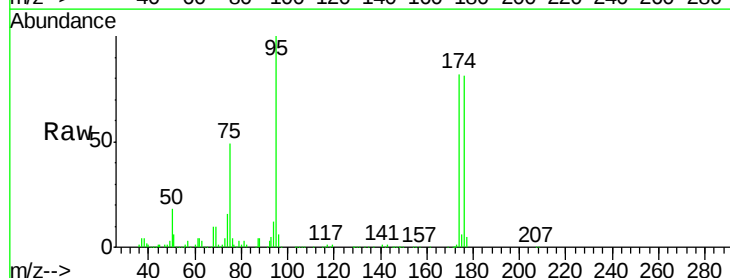
Tgt Ion: 95 Resp: 78771

Ion Ratio Lower Upper

95 100

174 80.8 0.0 164.0

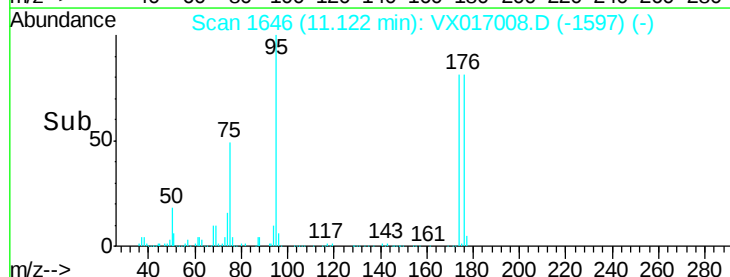
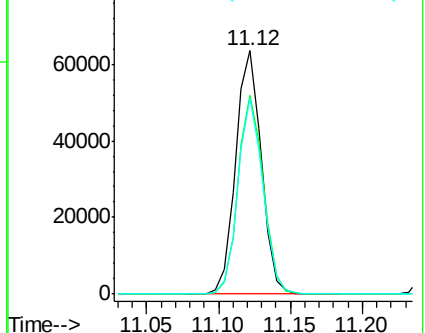
176 78.7 0.0 157.6

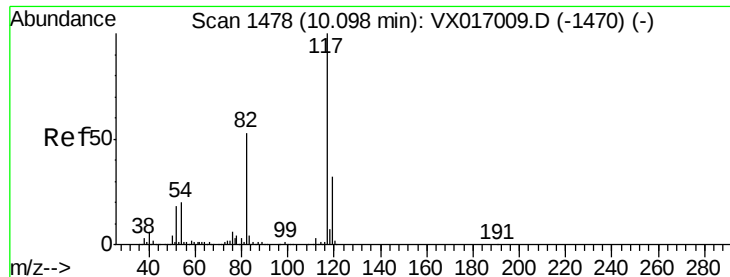


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





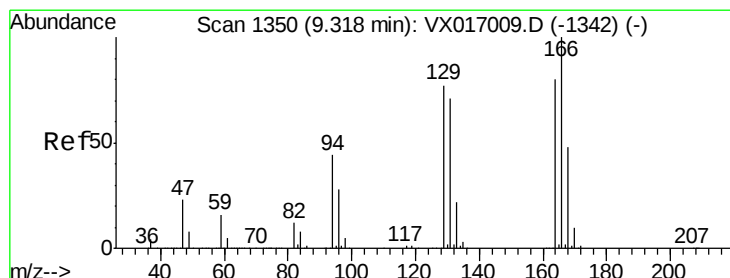
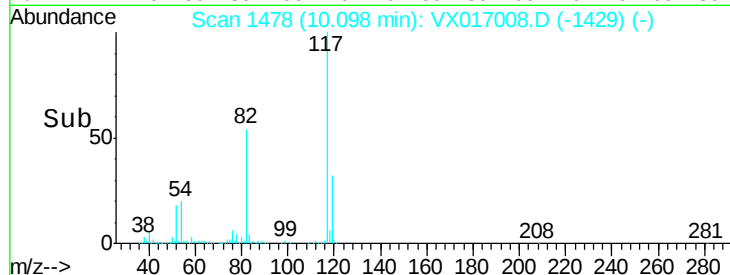
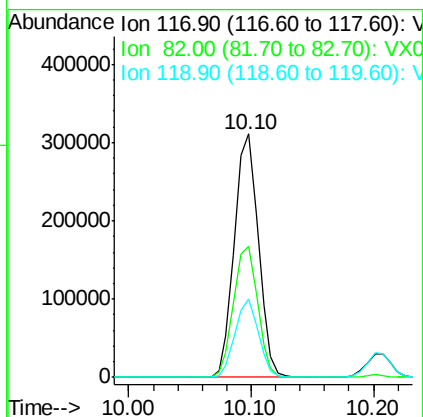
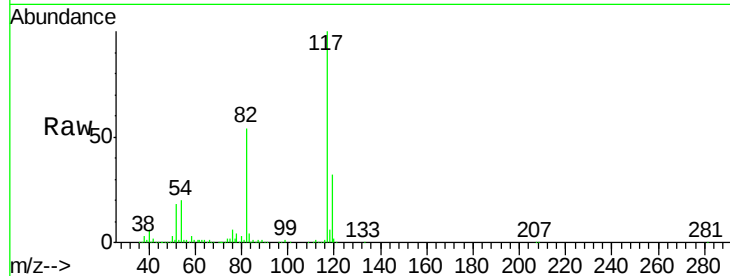
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.8  | 42.6  | 63.8  |
| 119     | 32.1  | 25.4  | 38.2  |

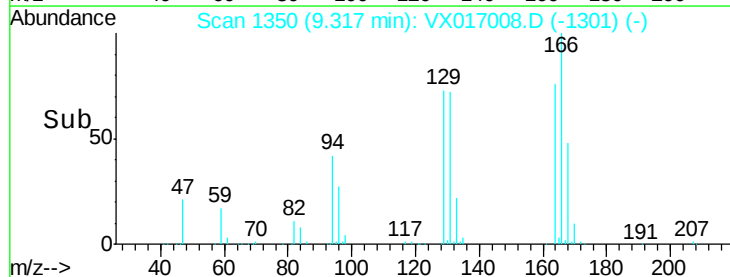
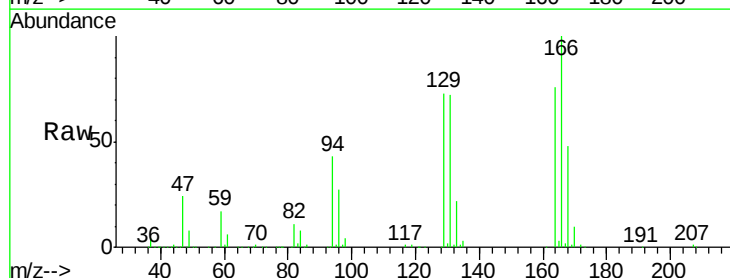
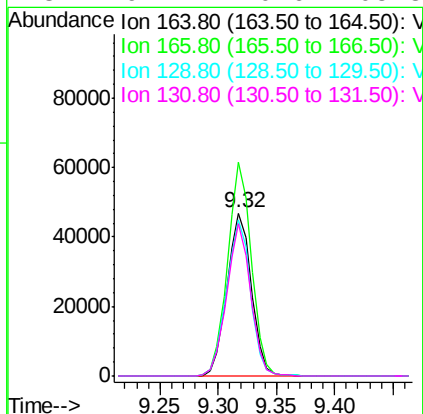
Manual Integrations  
APPROVED

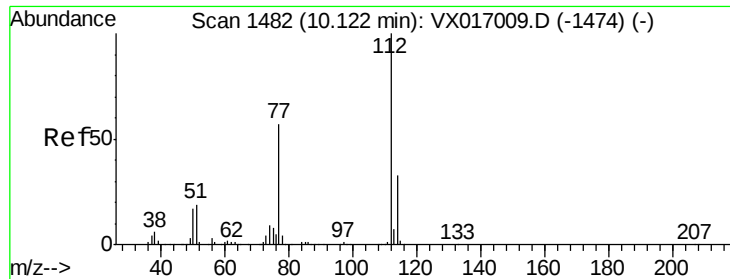
MMDadoda  
6/30/2020 10:12:50 AM



#64  
Tetrachloroethene  
Concen: 20.080 ug/l  
RT: 9.32 min Scan# 1350  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 131.4 | 99.4  | 149.0 |
| 129     | 96.4  | 76.3  | 114.5 |
| 131     | 94.1  | 70.6  | 105.8 |





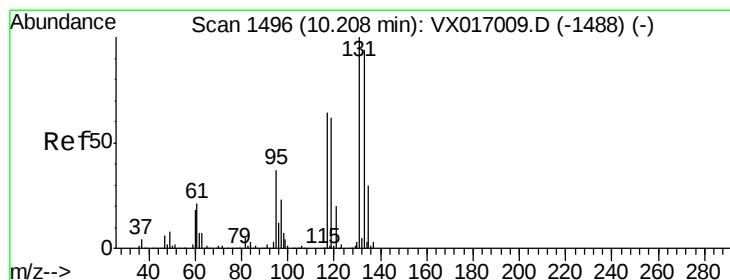
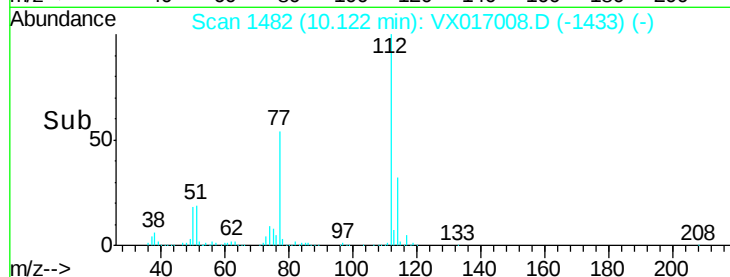
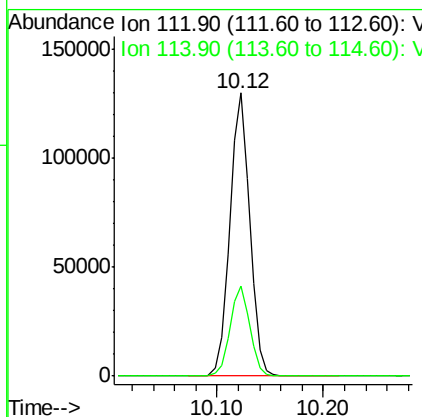
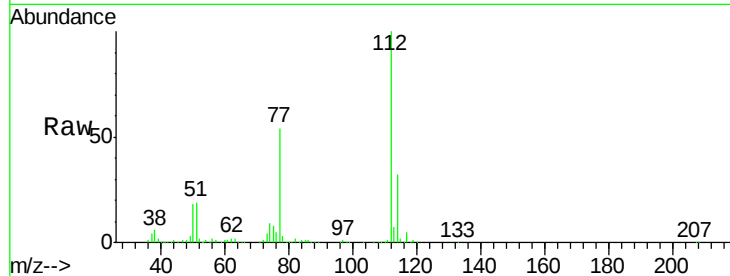
#65  
Chlorobenzene  
Concen: 19.630 ug/l  
RT: 10.12 min Scan# 1482  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

Tot Ion:112 Resp: 170775  
Ion Ratio Lower Upper  
112 100  
114 31.9 26.2 39.4

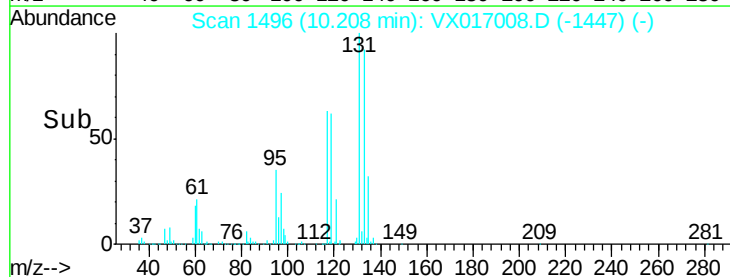
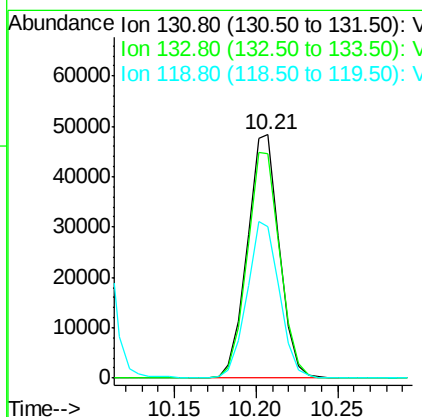
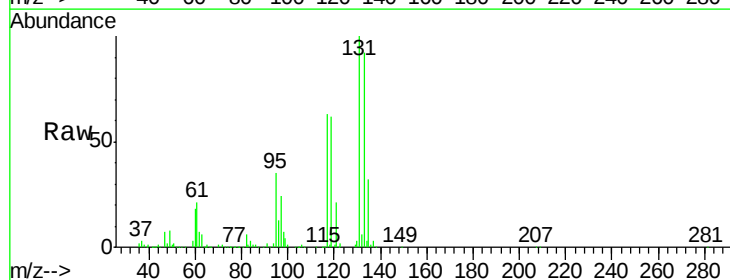
Manual Integrations  
APPROVED

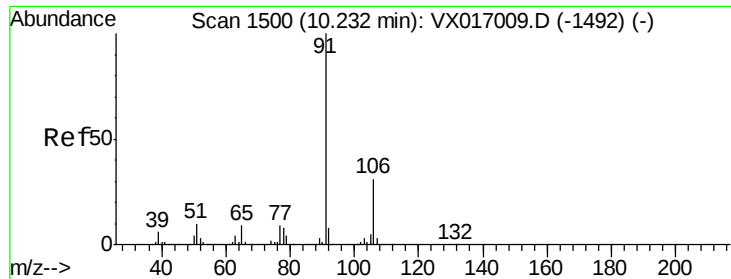
MMDadoda  
6/30/2020 10:12:50 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.691 ug/l  
RT: 10.21 min Scan# 1496  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

Tgt Ion:131 Resp: 66021  
Ion Ratio Lower Upper  
131 100  
133 95.1 47.3 141.9  
119 65.3 31.9 95.5





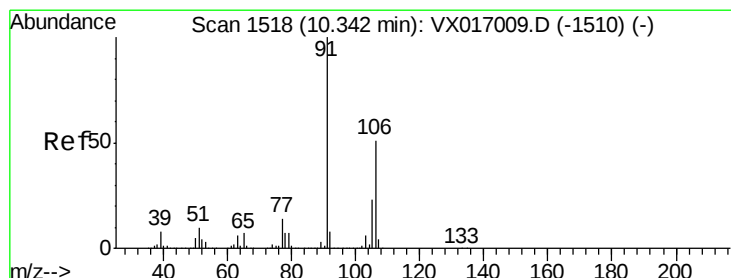
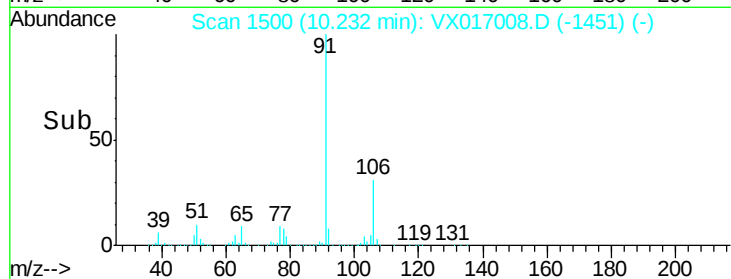
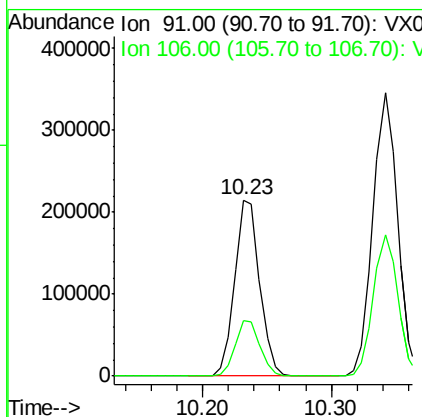
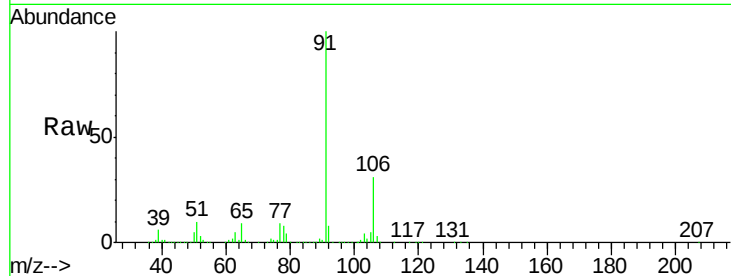
#67  
Ethyl Benzene  
Concen: 20.000 ug/l  
RT: 10.23 min Scan# 1500  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

Tot Ion: 91 Resp: 290580  
Ion Ratio Lower Upper  
91 100  
106 31.4 24.7 37.1

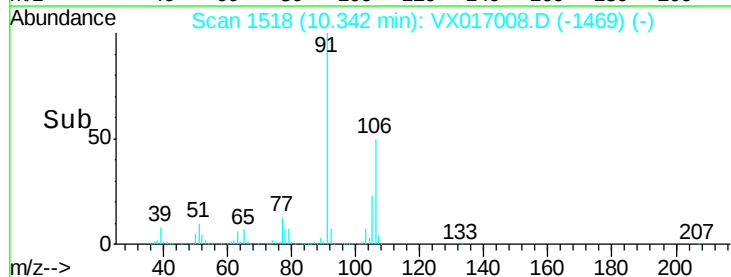
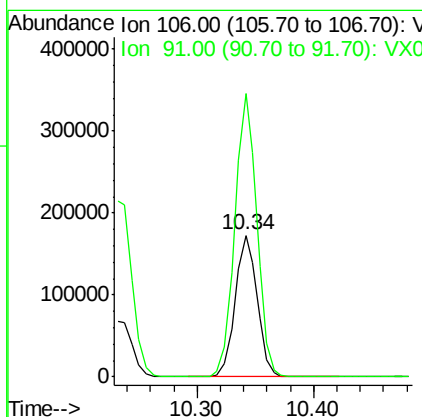
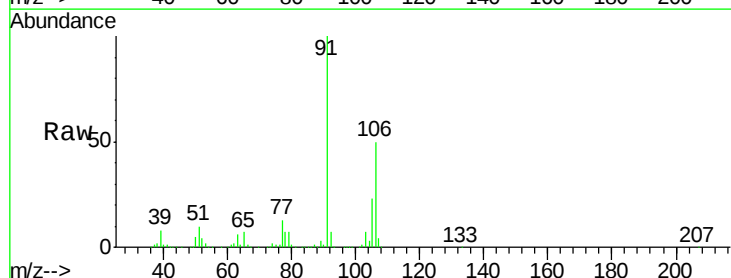
Manual Integrations  
APPROVED

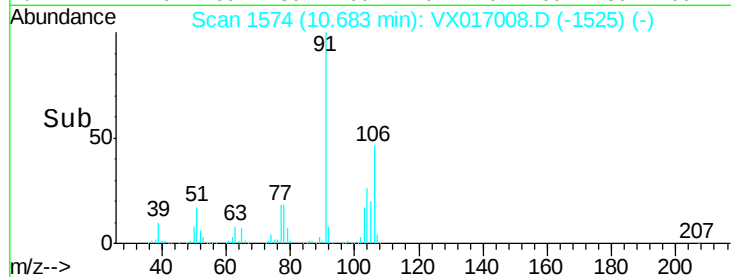
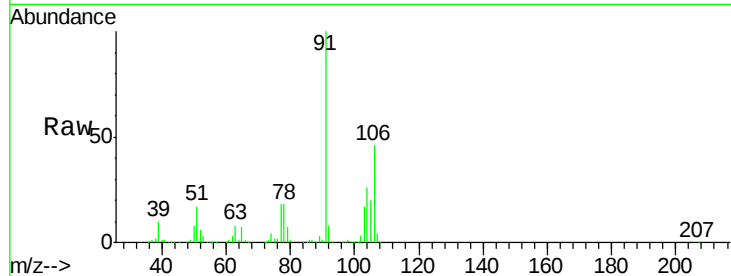
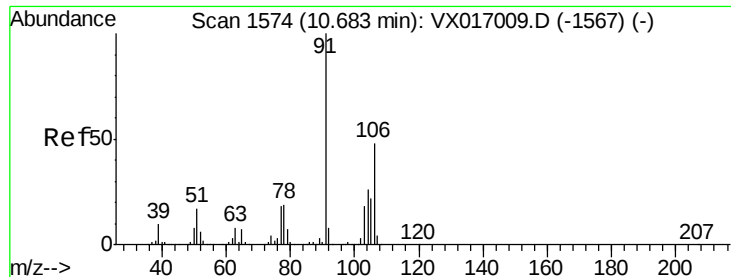
MMDadoda  
6/30/2020 10:12:50 AM



#68  
m/p-Xylenes  
Concen: 40.827 ug/l  
RT: 10.34 min Scan# 1518  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

Tgt Ion: 106 Resp: 227758  
Ion Ratio Lower Upper  
106 100  
91 199.4 158.6 238.0





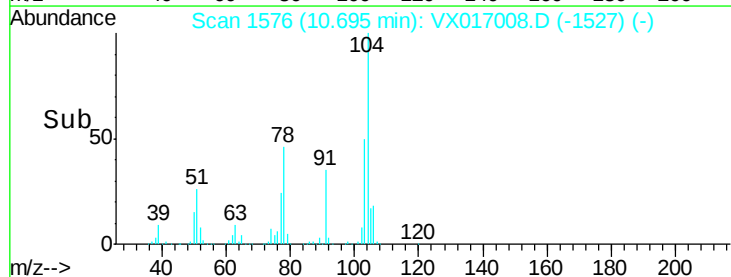
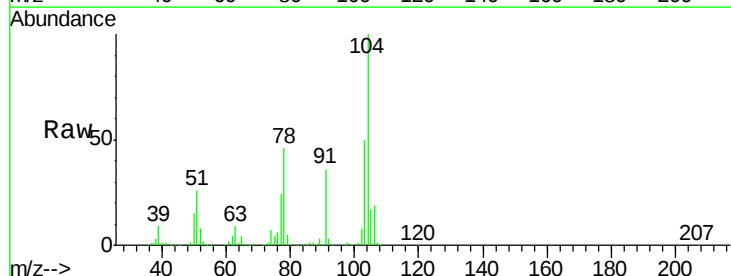
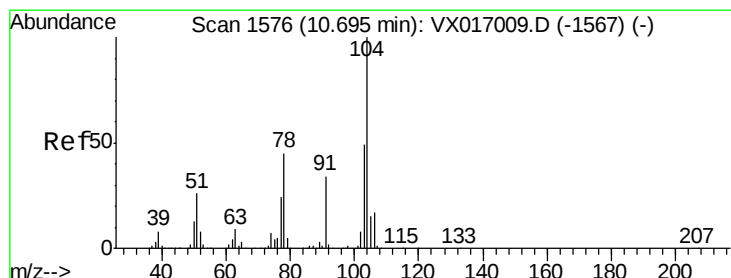
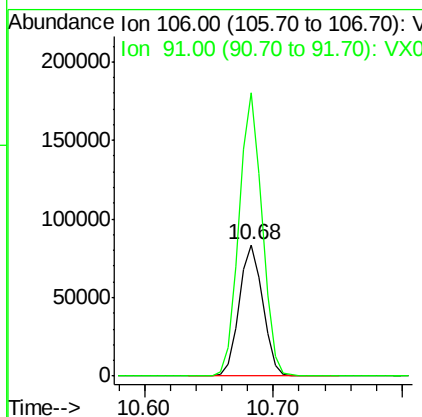
#69  
o-Xylene  
Concen: 20.099 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 106     | 100   | 106664 |       |       |
| 91      | 210.8 | 105.6  | 316.7 |       |

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDIC020

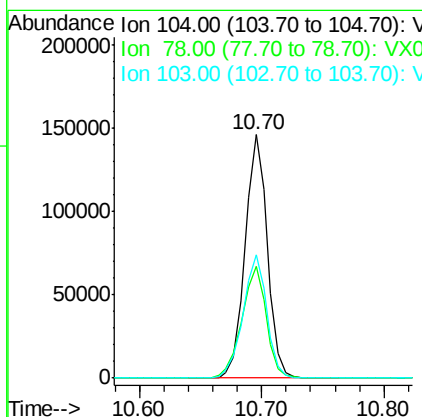
Manual Integrations  
APPROVED

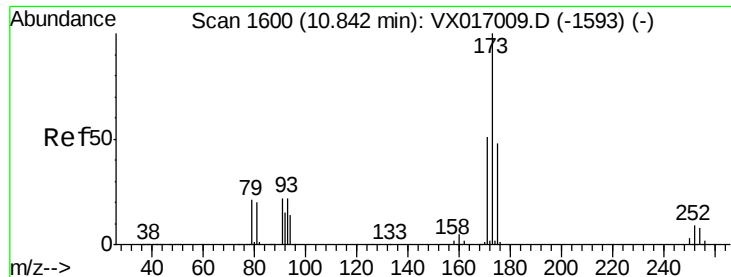
MMDadoda  
6/30/2020 10:12:50 AM



#70  
Styrene  
Concen: 20.335 ug/l  
RT: 10.70 min Scan# 1576  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 104     | 100   | 183775 |       |       |
| 78      | 50.3  | 39.5   | 59.3  |       |
| 103     | 54.2  | 43.0   | 64.6  |       |





#71

Bromoform

Concen: 19.701 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 52380

Ion Ratio Lower Upper

173 100

175 49.2 24.5 73.5

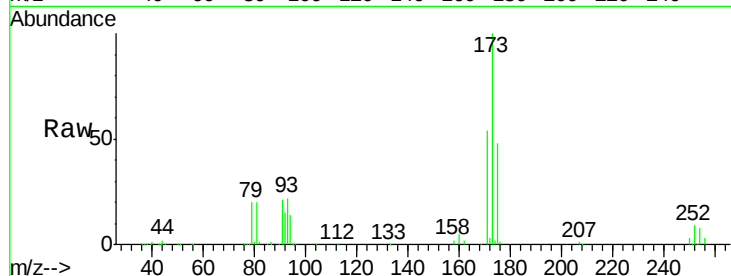
254 0.0 0.1 0.1#

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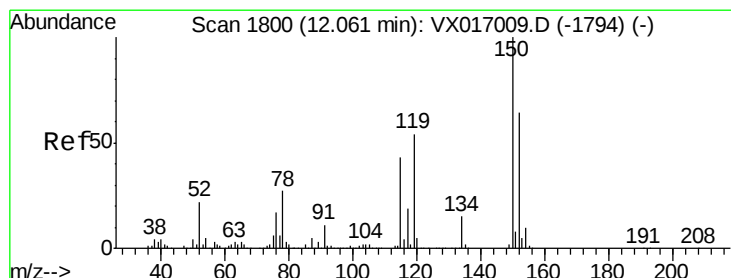
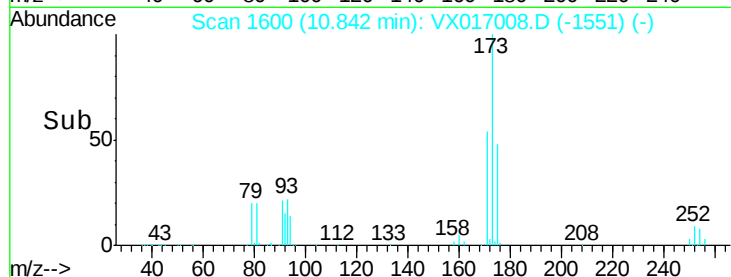
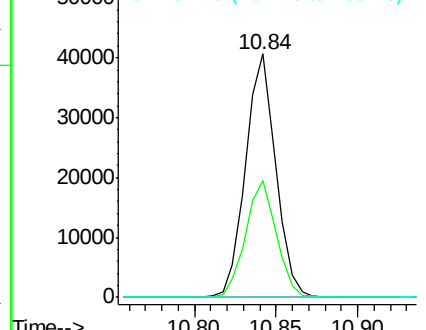
6/30/2020 10:12:50 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

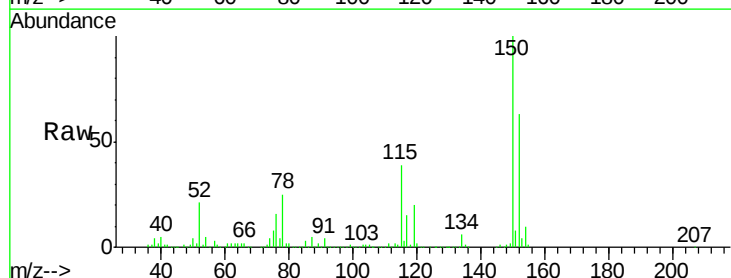
Tgt Ion:152 Resp: 215078

Ion Ratio Lower Upper

152 100

115 67.9 40.9 122.7

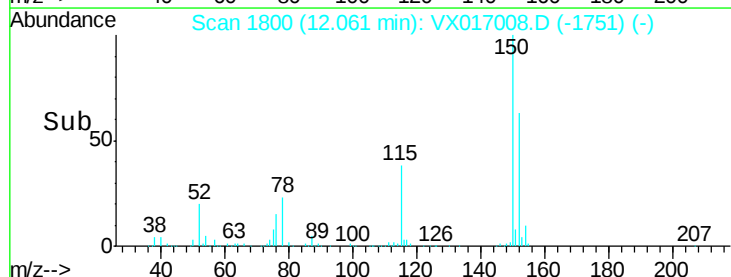
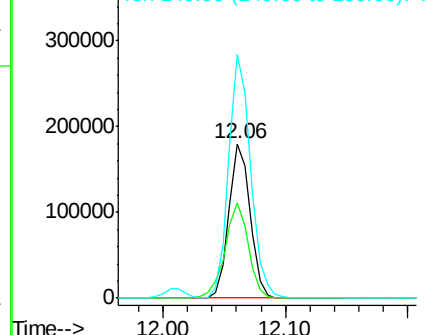
150 163.8 0.0 351.6

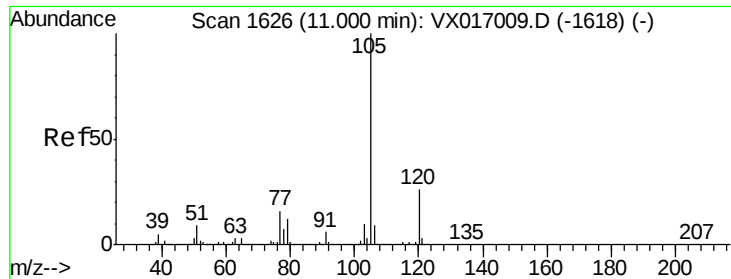


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.503 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 288850

Ion Ratio Lower Upper

105 100

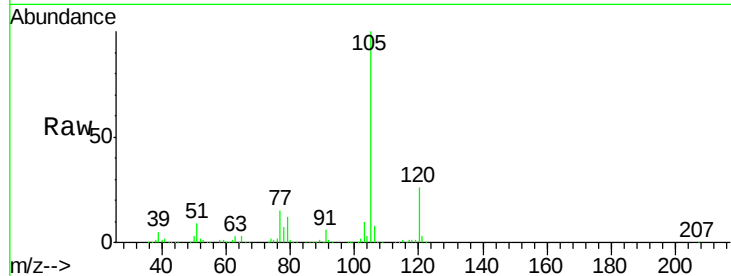
120 26.9 13.4 40.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

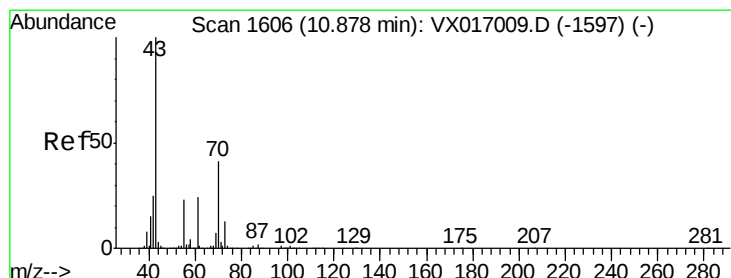
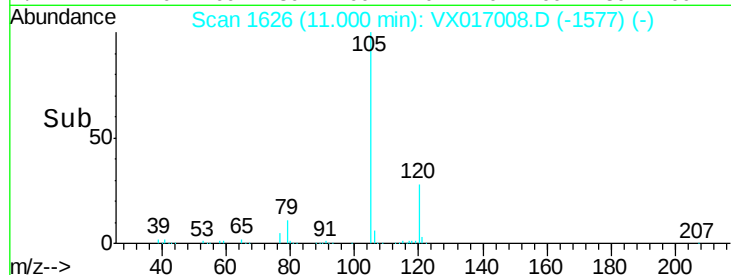
50000

0

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 20.120 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Tgt Ion: 43 Resp: 120945

Ion Ratio Lower Upper

43 100

70 43.6 34.2 51.2

55 24.4 19.2 28.8

61 23.8 19.6 29.4

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

150000

100000

50000

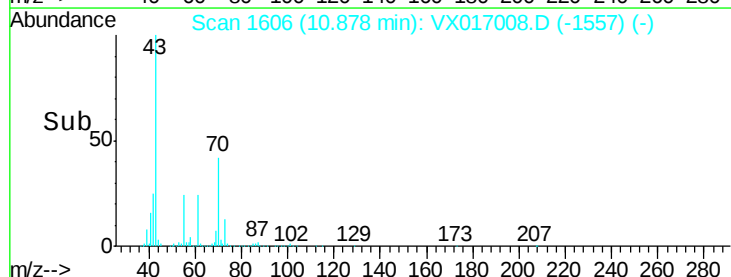
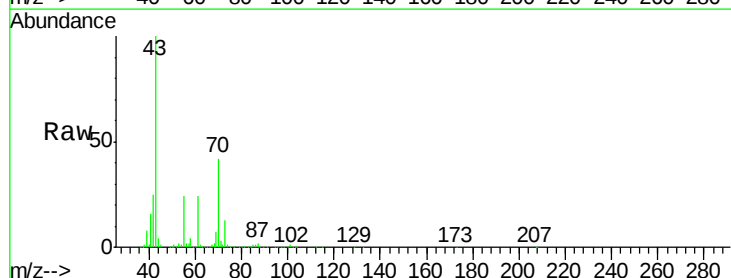
0

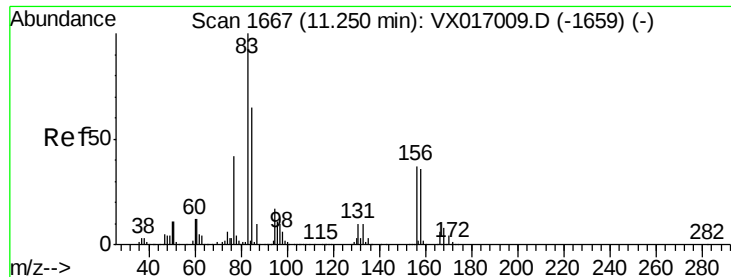
10.88

10.90

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.988 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

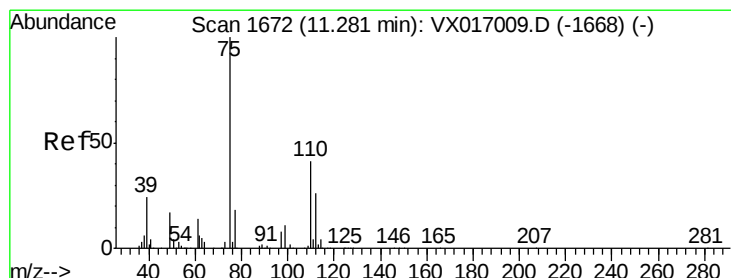
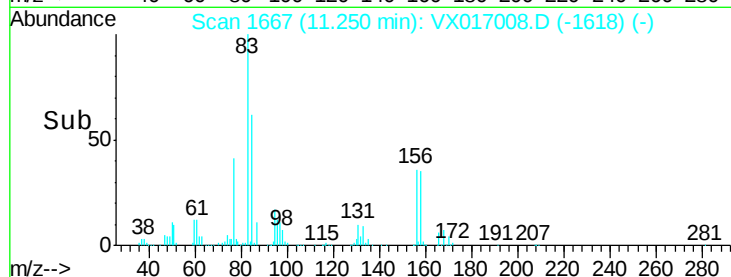
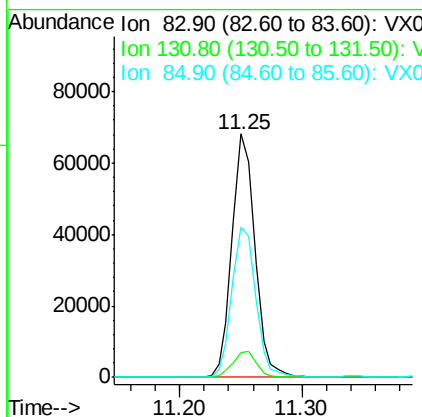
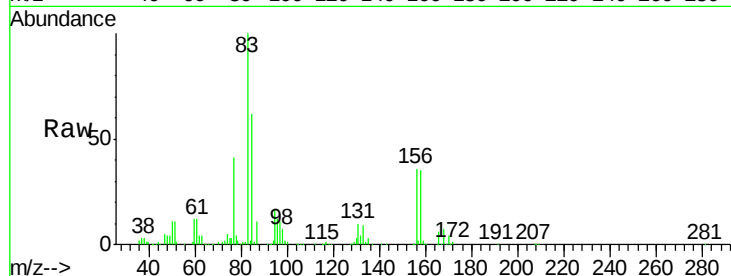
ClientSampleId :

VSTDIC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 88574 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 11.0  | 5.4   | 16.2  |
| 85        | 64.5  | 31.9  | 95.9  |

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6/30/2020 10:12:50 AM



#76

1,2,3-Trichloropropane

Concen: 16.509 ug/l m

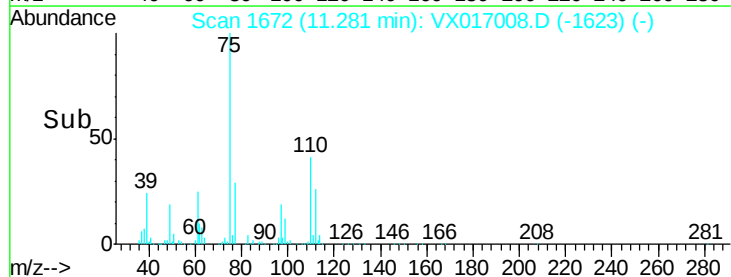
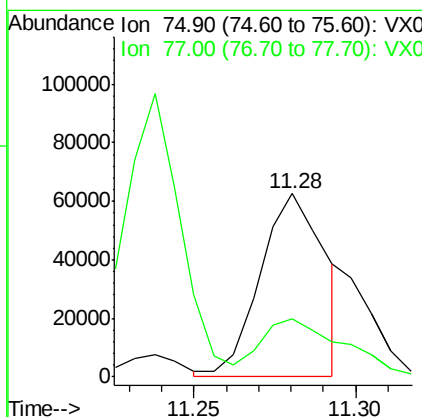
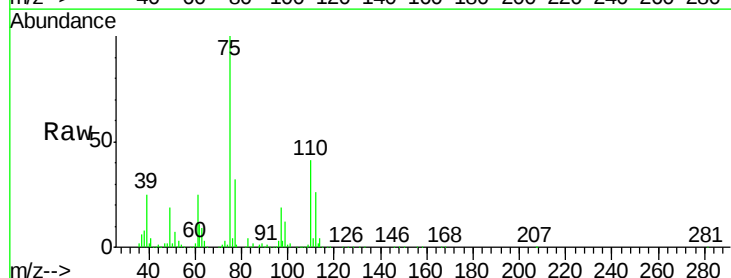
RT: 11.28 min Scan# 1672

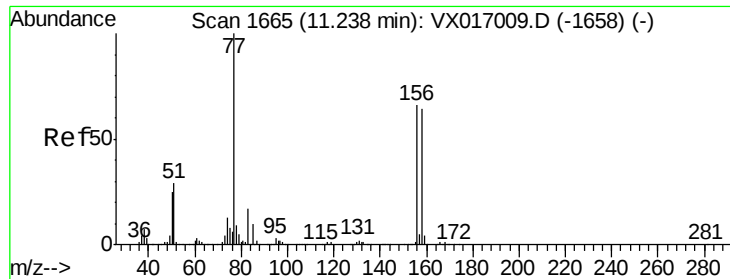
Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 87445 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 40.4  | 20.2  | 60.6  |





#77

Bromobenzene

Concen: 19.694 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 76253

Ion Ratio Lower Upper

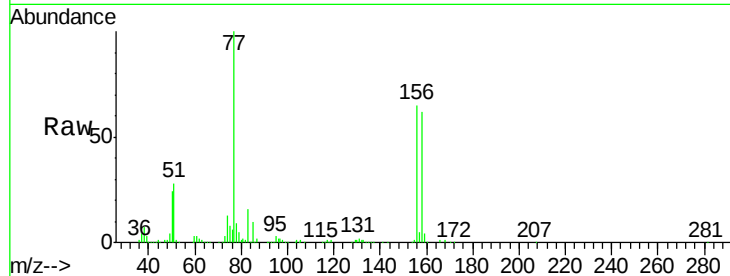
156 100

77 155.3 76.9 230.7

158 96.3 47.9 143.6

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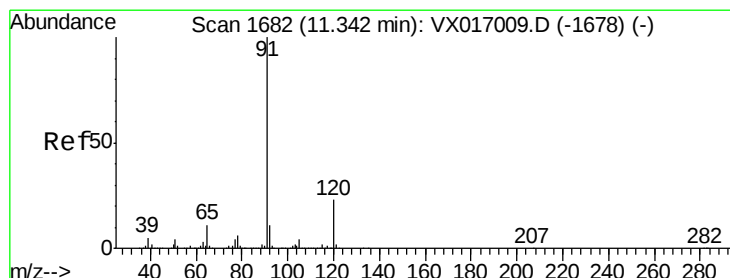
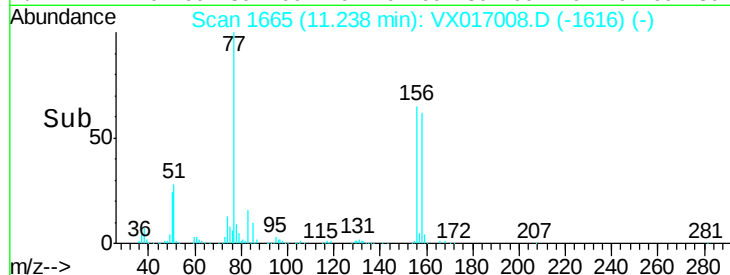
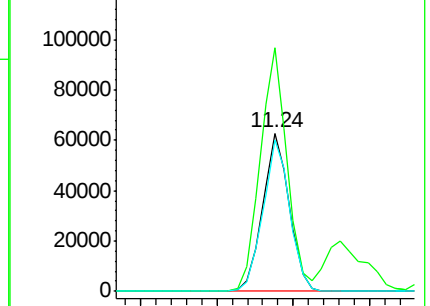
MMDadoda  
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.547 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX017008.D

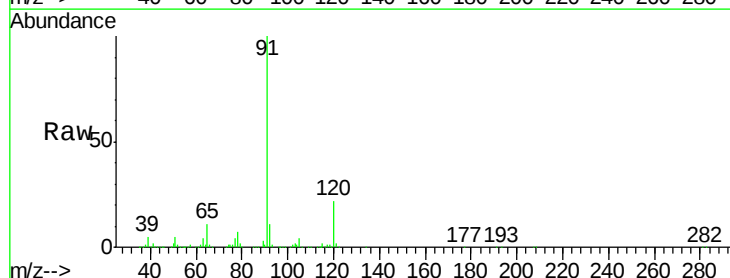
Acq: 29 Jun 2020 14:58

Tgt Ion: 91 Resp: 327332

Ion Ratio Lower Upper

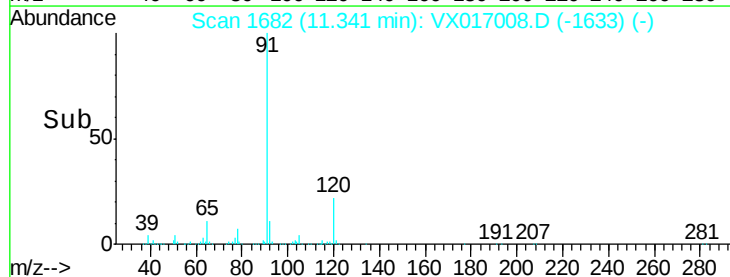
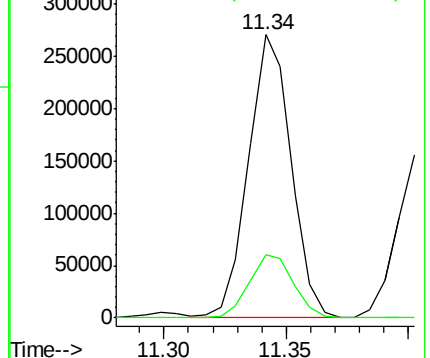
91 100

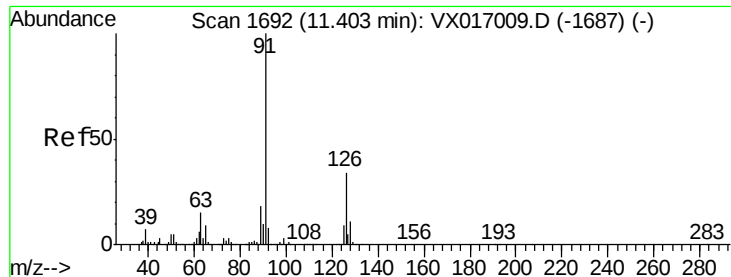
120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.341 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 196125

Ion Ratio Lower Upper

91 100

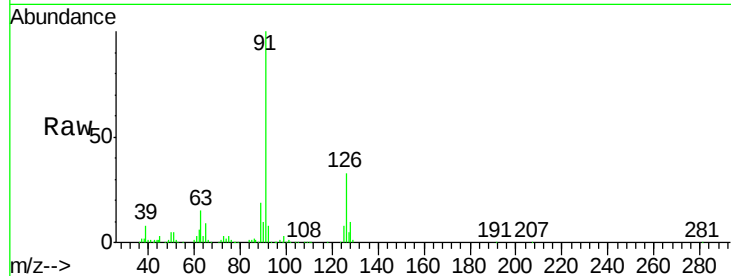
126 34.8 17.4 52.3

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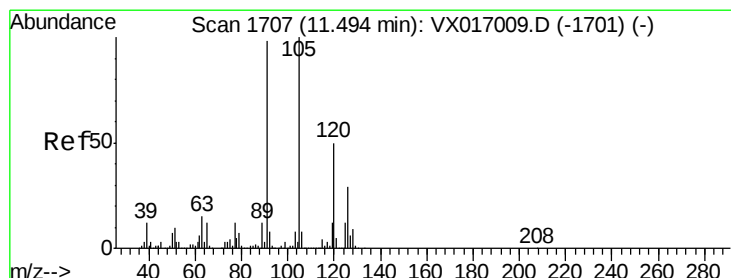
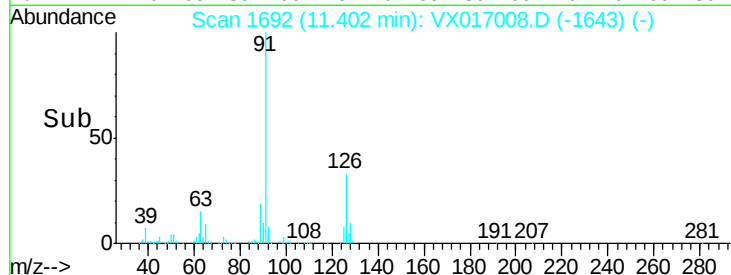
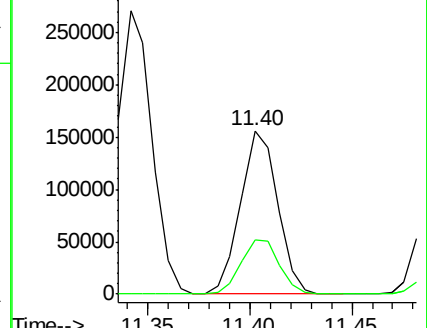
MMDadoda

6/30/2020 10:12:50 AM



Abundance Ion 91.00 (90.70 to 91.70): VX017009.D (-1687) (-)

Ion 125.90 (125.60 to 126.60): VX017009.D (-1687) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.586 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017008.D

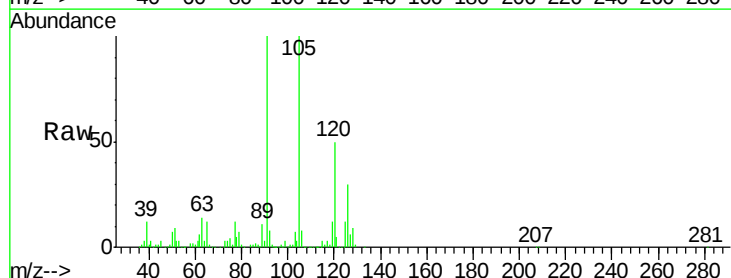
Acq: 29 Jun 2020 14:58

Tgt Ion: 105 Resp: 240563

Ion Ratio Lower Upper

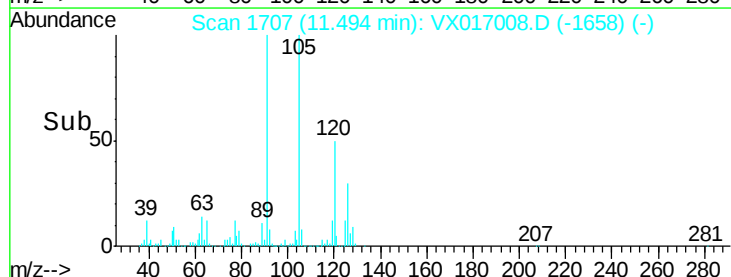
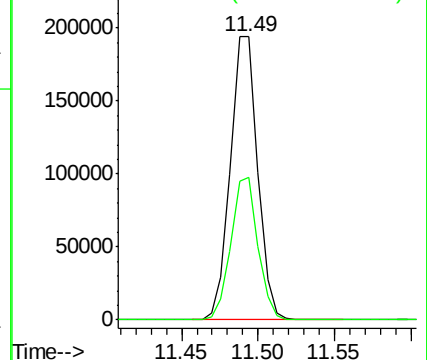
105 100

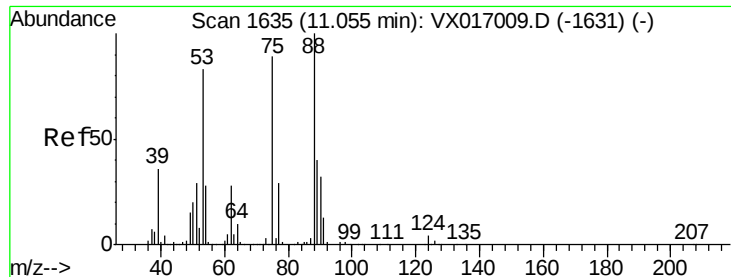
120 49.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX017009.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX017009.D (-1701) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.170 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

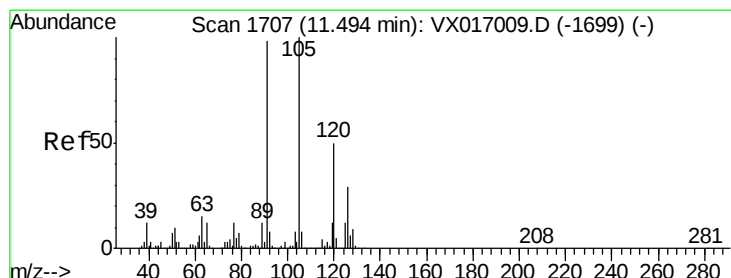
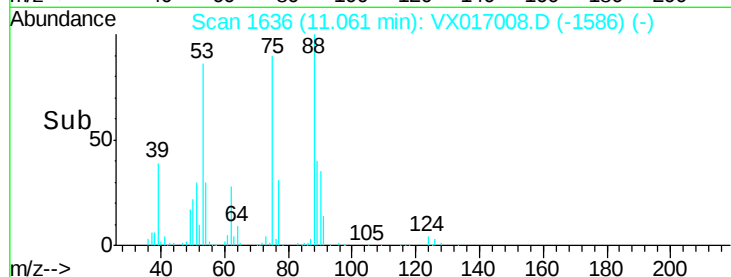
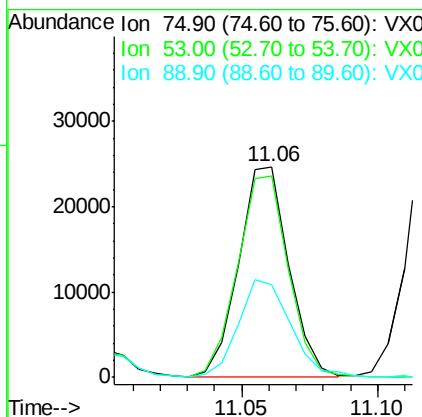
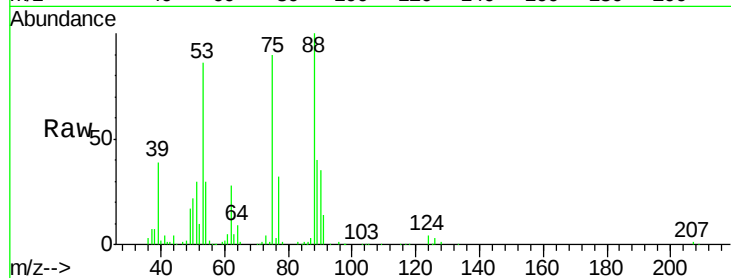
ClientSampleId :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 31309 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 97.2  | 72.4  | 108.6 |
| 89       | 48.9  | 37.0  | 55.4  |

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6/30/2020 10:12:50 AM



#82

4-Chlorotoluene

Concen: 20.143 ug/l

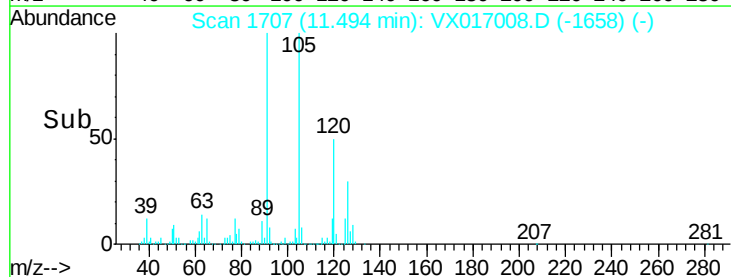
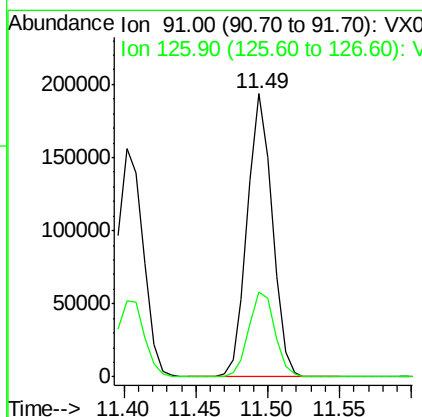
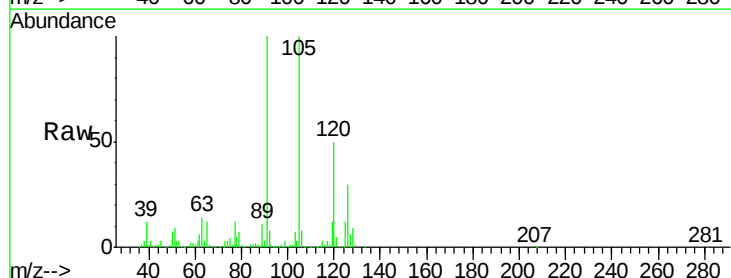
RT: 11.49 min Scan# 1707

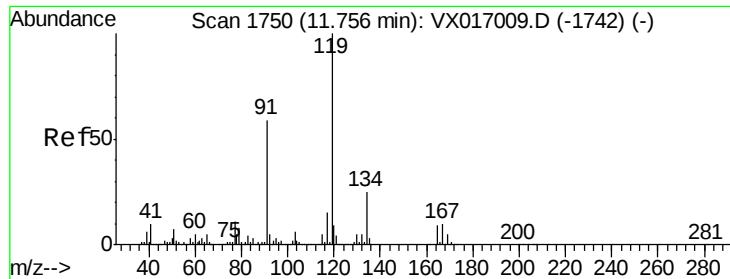
Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 232172 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 31.2  | 15.2  | 45.5   |





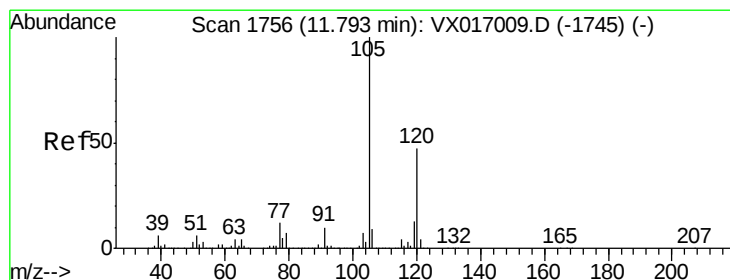
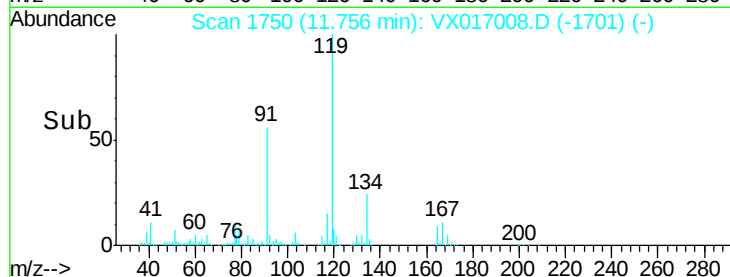
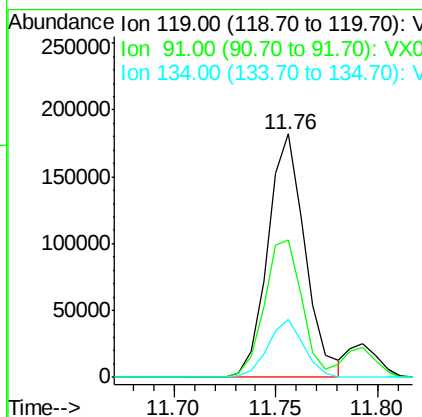
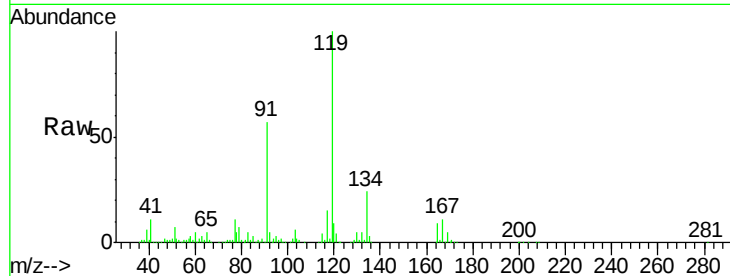
#83  
tert-Butylbenzene  
Concen: 20.205 ug/l  
RT: 11.76 min Scan# 1750  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 231777 |       |       |
| 91      | 56.6  | 28.3   | 84.9  |       |
| 134     | 22.8  | 11.7   | 35.1  |       |

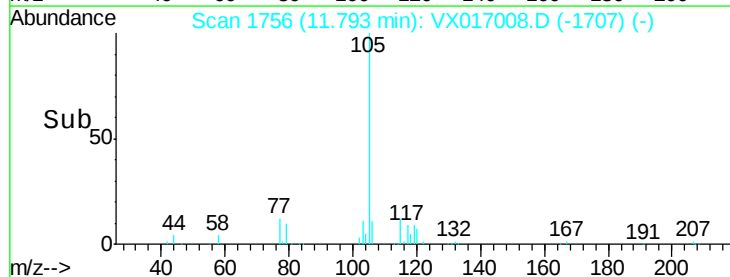
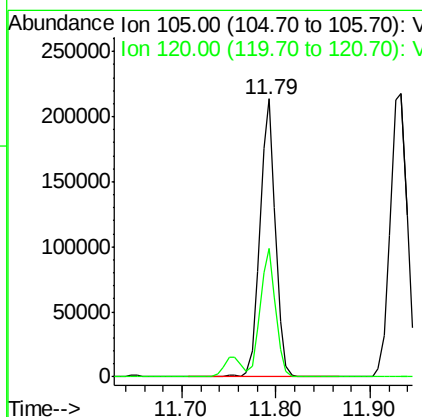
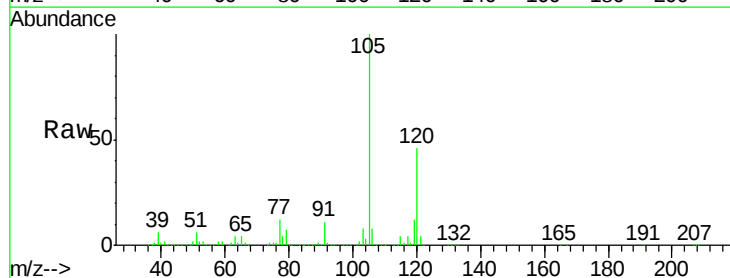
Manual Integrations  
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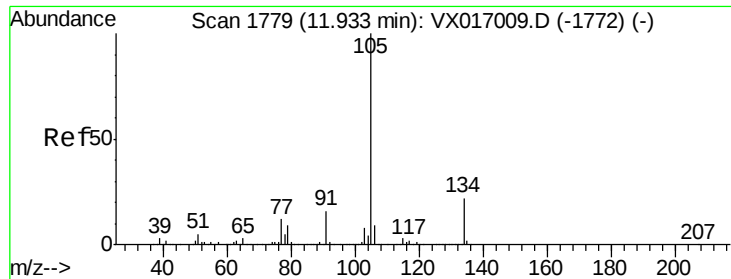
MMDadoda  
6/30/2020 10:12:50 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 21.046 ug/l  
RT: 11.79 min Scan# 1756  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 249505 |       |       |
| 120     | 45.6  | 22.9   | 68.5  |       |





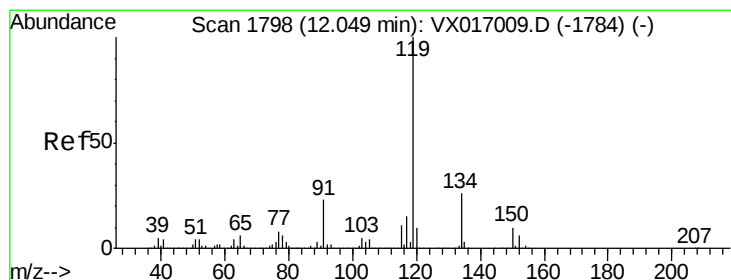
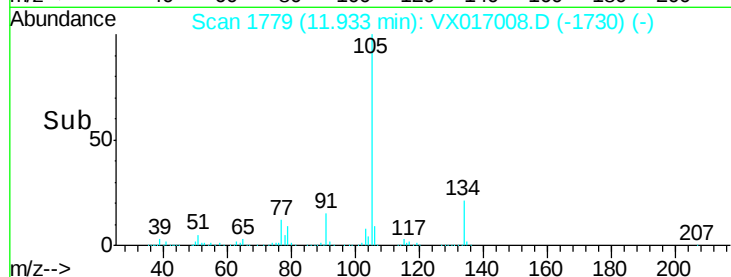
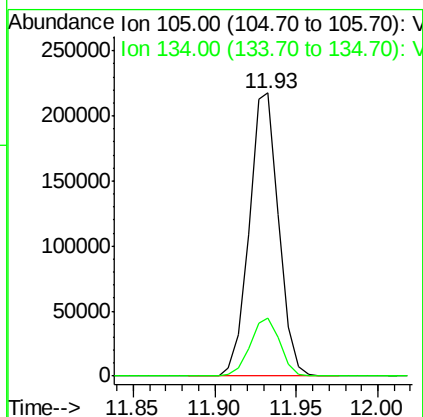
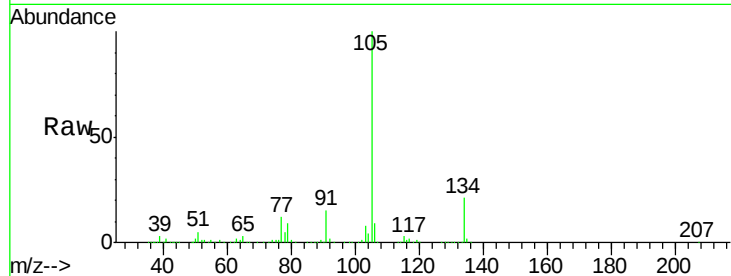
#85  
 sec-Butylbenzene  
 Concen: 20.331 ug/l  
 RT: 11.93 min Scan# 1779  
 Delta R.T. -0.00 min  
 Lab File: VX017008.D  
 Acq: 29 Jun 2020 14:58

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.8  | 10.5  | 31.6  |

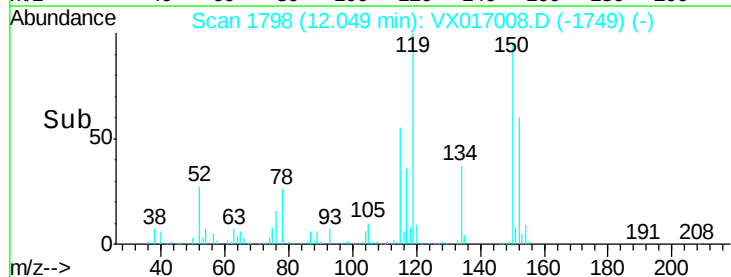
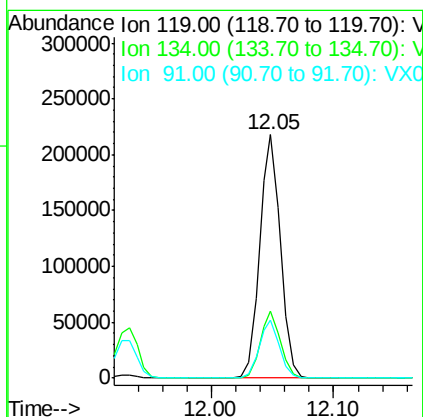
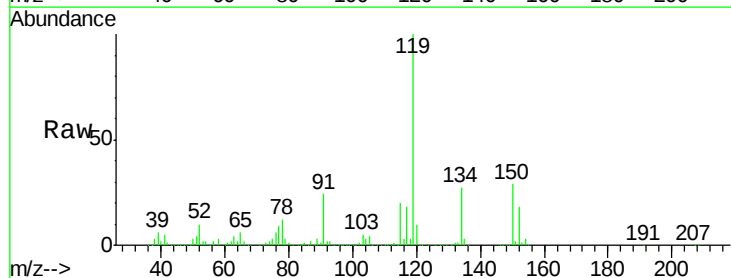
Manual Integrations  
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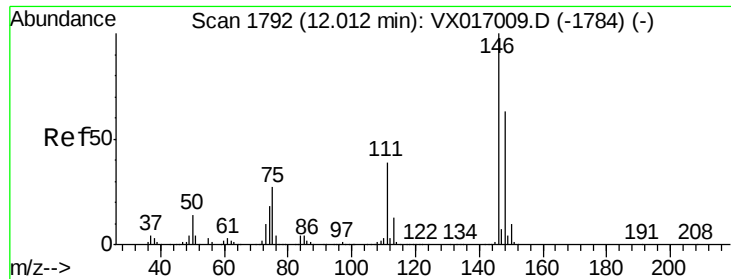
MMDadoda  
 6/30/2020 10:12:50 AM



#86  
 p-Isopropyltoluene  
 Concen: 20.591 ug/l  
 RT: 12.05 min Scan# 1798  
 Delta R.T. -0.00 min  
 Lab File: VX017008.D  
 Acq: 29 Jun 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.8  | 13.2  | 39.5  |
| 91      | 23.5  | 11.8  | 35.4  |





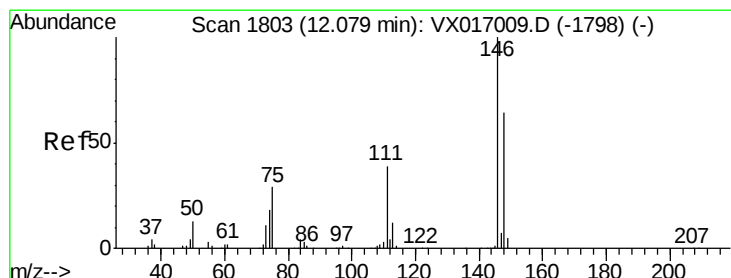
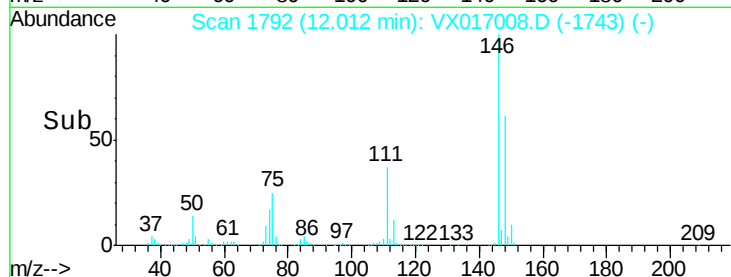
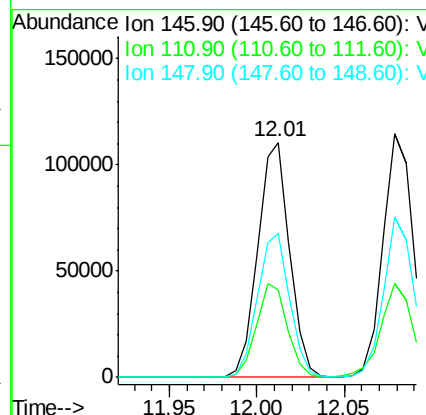
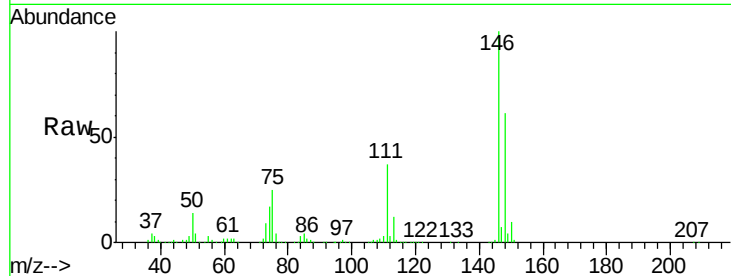
#87  
 1,3-Dichlorobenzene  
 Concen: 19.844 ug/l  
 RT: 12.01 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: VX017008.D  
 Acq: 29 Jun 2020 14:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.0  | 20.4  | 61.2  |
| 148     | 61.9  | 32.5  | 97.5  |

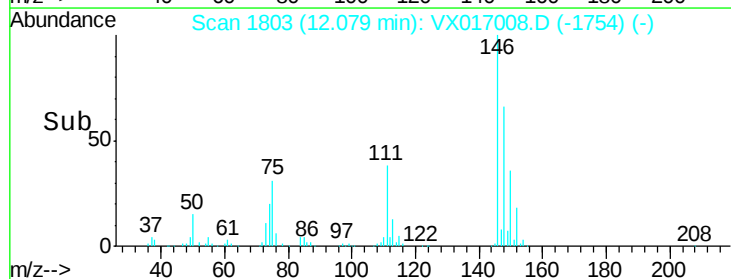
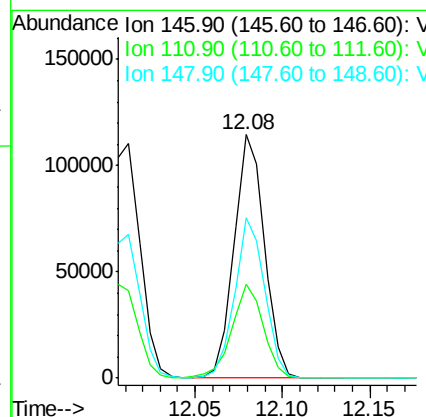
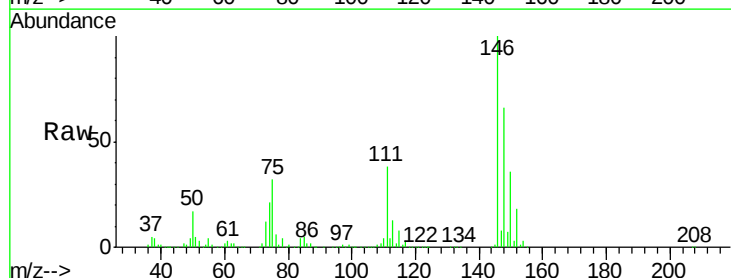
Manual Integrations  
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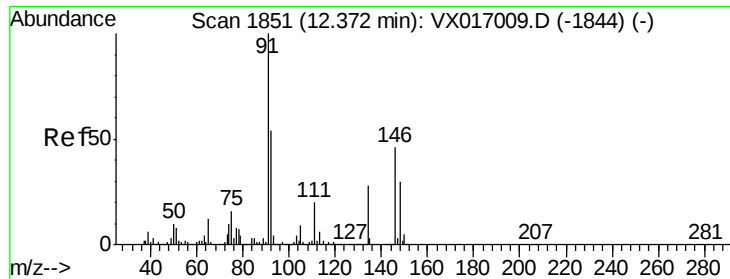
MMDadoda  
 6/30/2020 10:12:50 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.533 ug/l  
 RT: 12.08 min Scan# 1803  
 Delta R.T. -0.00 min  
 Lab File: VX017008.D  
 Acq: 29 Jun 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.3  | 19.5  | 58.5  |
| 148     | 65.2  | 31.9  | 95.7  |





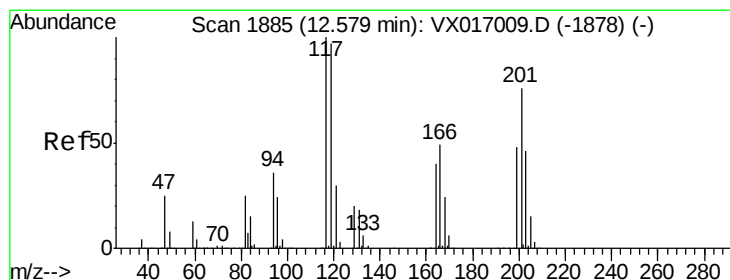
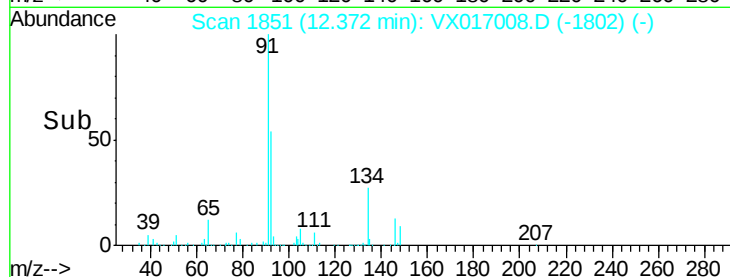
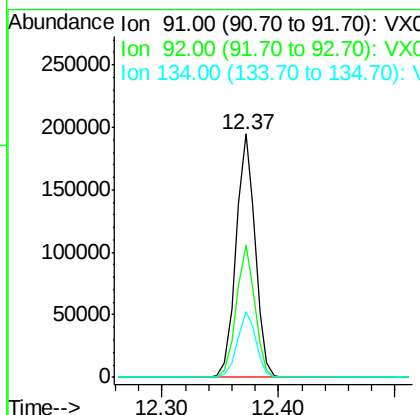
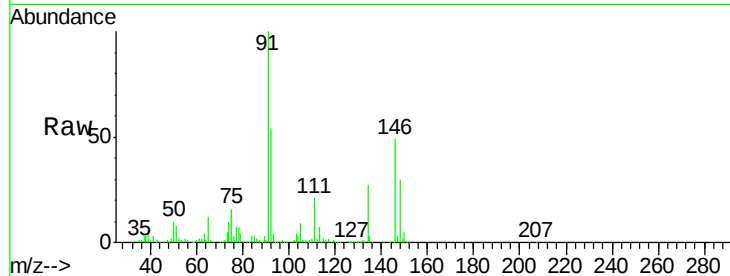
#89  
n-Butylbenzene  
Concen: 19.849 ug/l  
RT: 12.37 min Scan# 1851  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.6  | 27.2  | 81.6  |
| 134     | 26.4  | 13.6  | 40.7  |

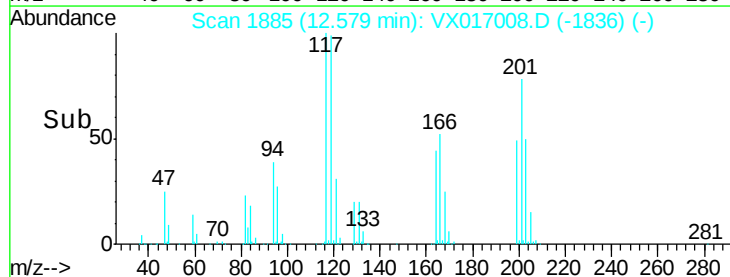
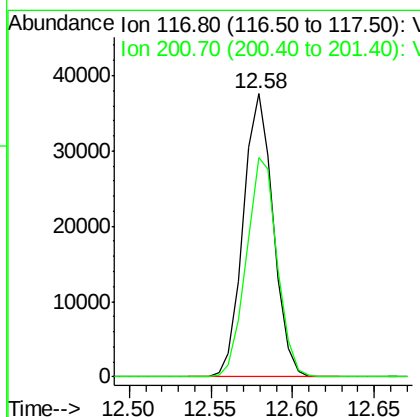
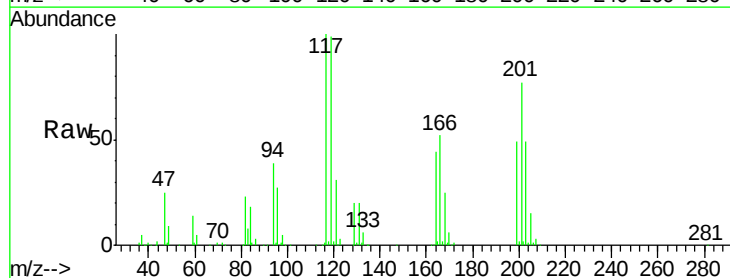
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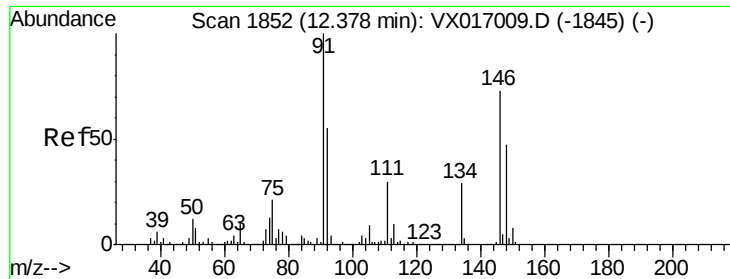
MMDadoda  
6/30/2020 10:12:50 AM



#90  
Hexachloroethane  
Concen: 19.468 ug/l  
RT: 12.58 min Scan# 1885  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 79.5  | 39.4  | 118.2 |





#91

1,2-Dichlorobenzene

Concen: 19.828 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

Instrument :

MSVOA\_X

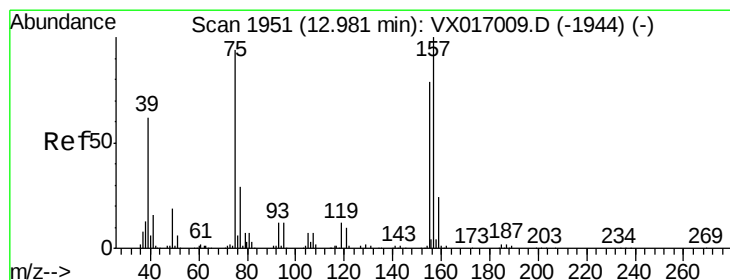
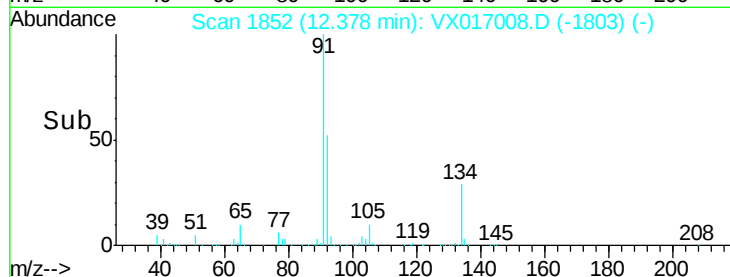
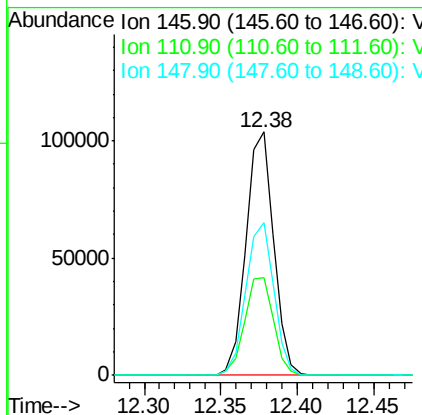
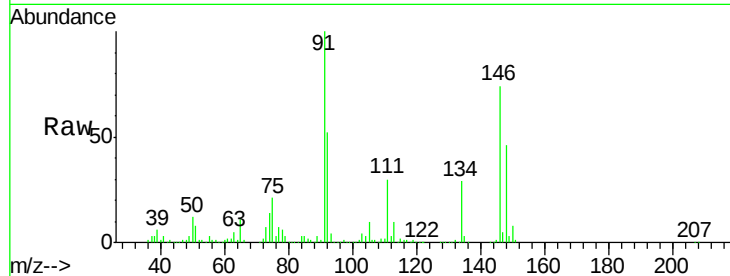
ClientSampleId :

VSTDIC020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 130331 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 41.9  | 20.6  | 61.9   |
| 148       | 63.6  | 32.4  | 97.2   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.082 ug/l

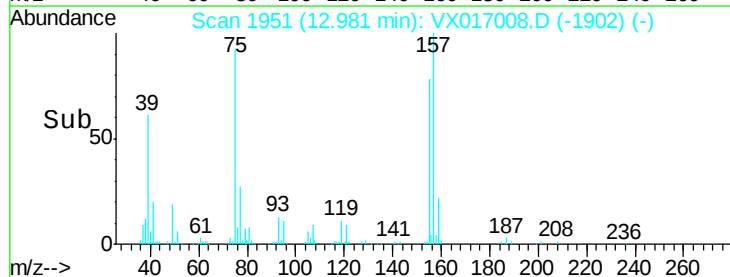
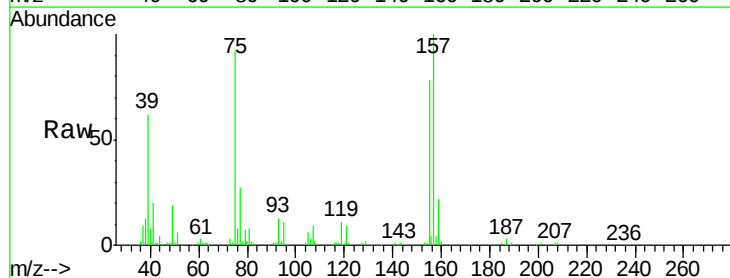
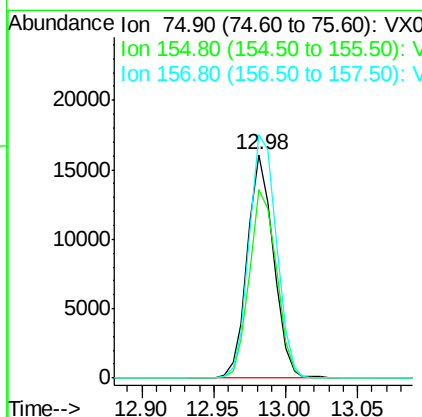
RT: 12.98 min Scan# 1951

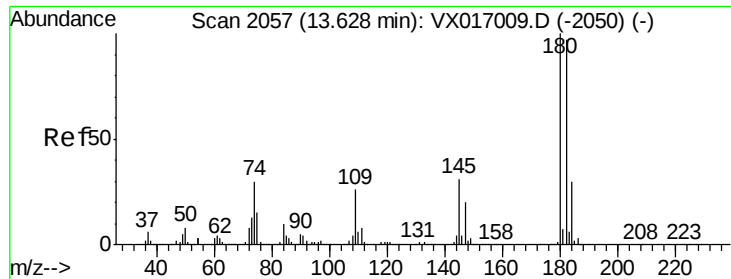
Delta R.T. -0.00 min

Lab File: VX017008.D

Acq: 29 Jun 2020 14:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 20172 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 87.2  | 45.1  | 135.2 |
| 157       | 113.7 | 56.5  | 169.3 |





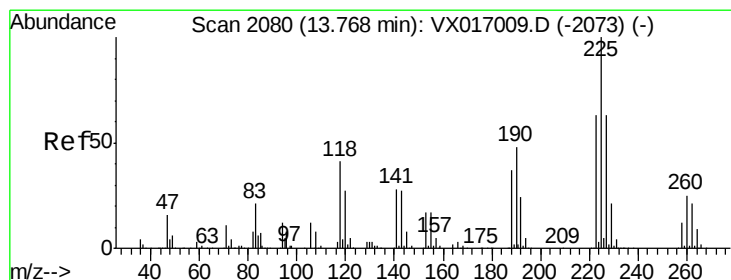
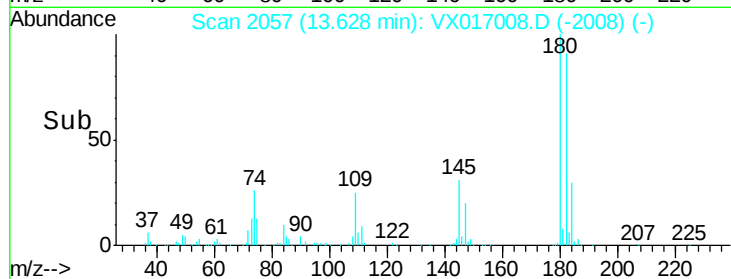
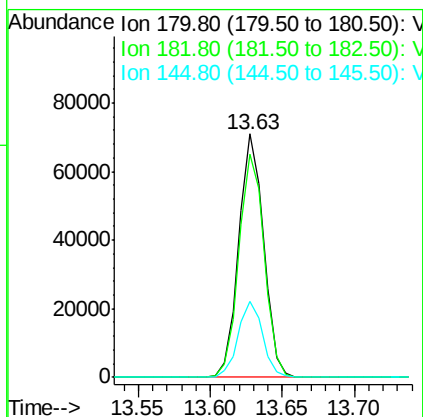
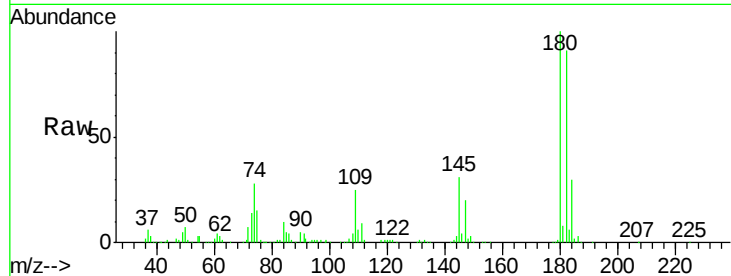
#93  
1,2,4-Trichlorobenzene  
Concen: 19.042 ug/l  
RT: 13.63 min Scan# 2057  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.8  | 47.3  | 141.9 |
| 145     | 30.7  | 15.4  | 46.2  |

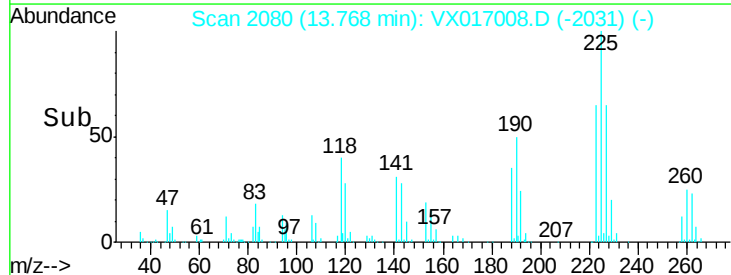
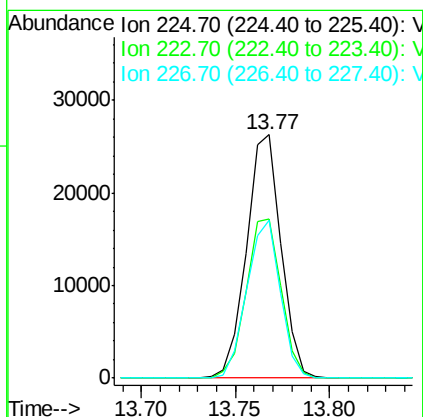
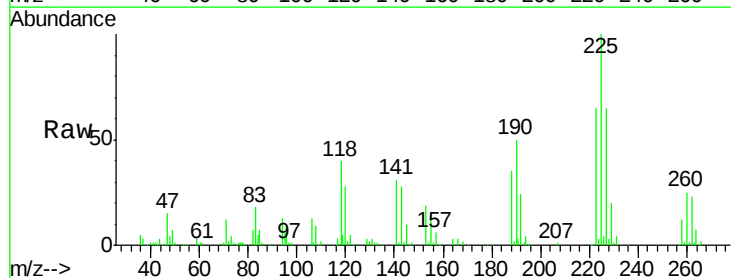
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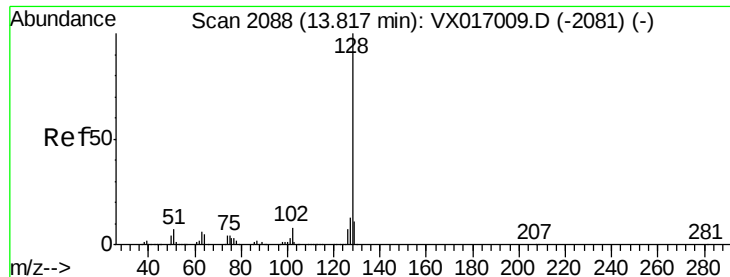
MMDadoda  
6/30/2020 10:12:50 AM



#94  
Hexachlorobutadiene  
Concen: 18.367 ug/l  
RT: 13.77 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 66.5  | 32.5  | 97.5  |
| 227     | 62.7  | 33.1  | 99.2  |





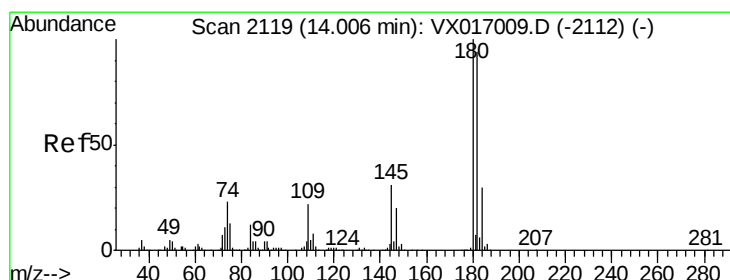
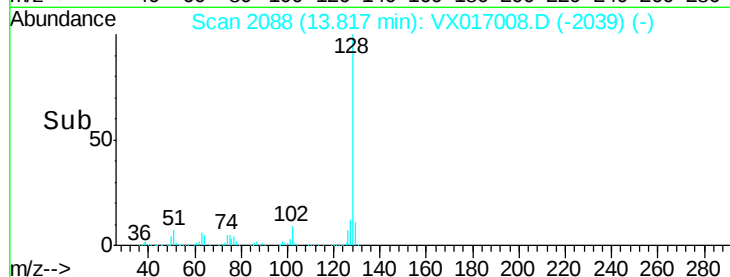
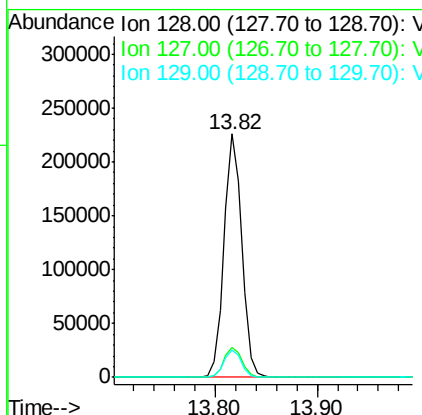
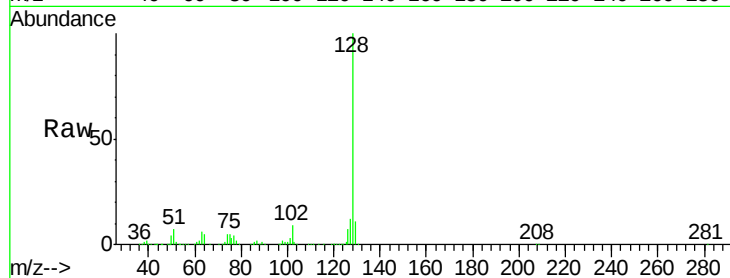
#95  
Naphthalene  
Concen: 20.097 ug/l  
RT: 13.82 min Scan# 2088  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.6  | 10.2  | 15.4  |
| 129     | 11.2  | 8.7   | 13.1  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 19.099 ug/l  
RT: 14.01 min Scan# 2119  
Delta R.T. -0.00 min  
Lab File: VX017008.D  
Acq: 29 Jun 2020 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.5  | 47.1  | 141.4 |
| 145     | 33.5  | 16.6  | 49.7  |

