

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042321\  
 Data File : VX021857.D  
 Acq On : 23 Apr 2021 20:55  
 Operator : JC/MD  
 Sample : M2138-22  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 152140-FB-042021

Quant Time: Apr 26 04:08:07 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042021W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 20 13:46:22 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 5.629  | 168  | 179846   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.830  | 114  | 302943   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.092 | 117  | 272545   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.061 | 152  | 132911   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 33) 1,2-Dichloroethane-d4   | 6.031  | 65    | 98535    | 48.30    | ug/l | 0.00   |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 96.60% |
| 35) Dibromofluoromethane    | 5.464  | 113   | 95977    | 49.54    | ug/l | 0.00   |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 99.08% |
| 50) Toluene-d8              | 8.696  | 98    | 356184   | 47.82    | ug/l | 0.00   |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 95.64% |
| 62) 4-Bromofluorobenzene    | 11.116 | 95    | 128319   | 46.13    | ug/l | 0.00   |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 92.26% |

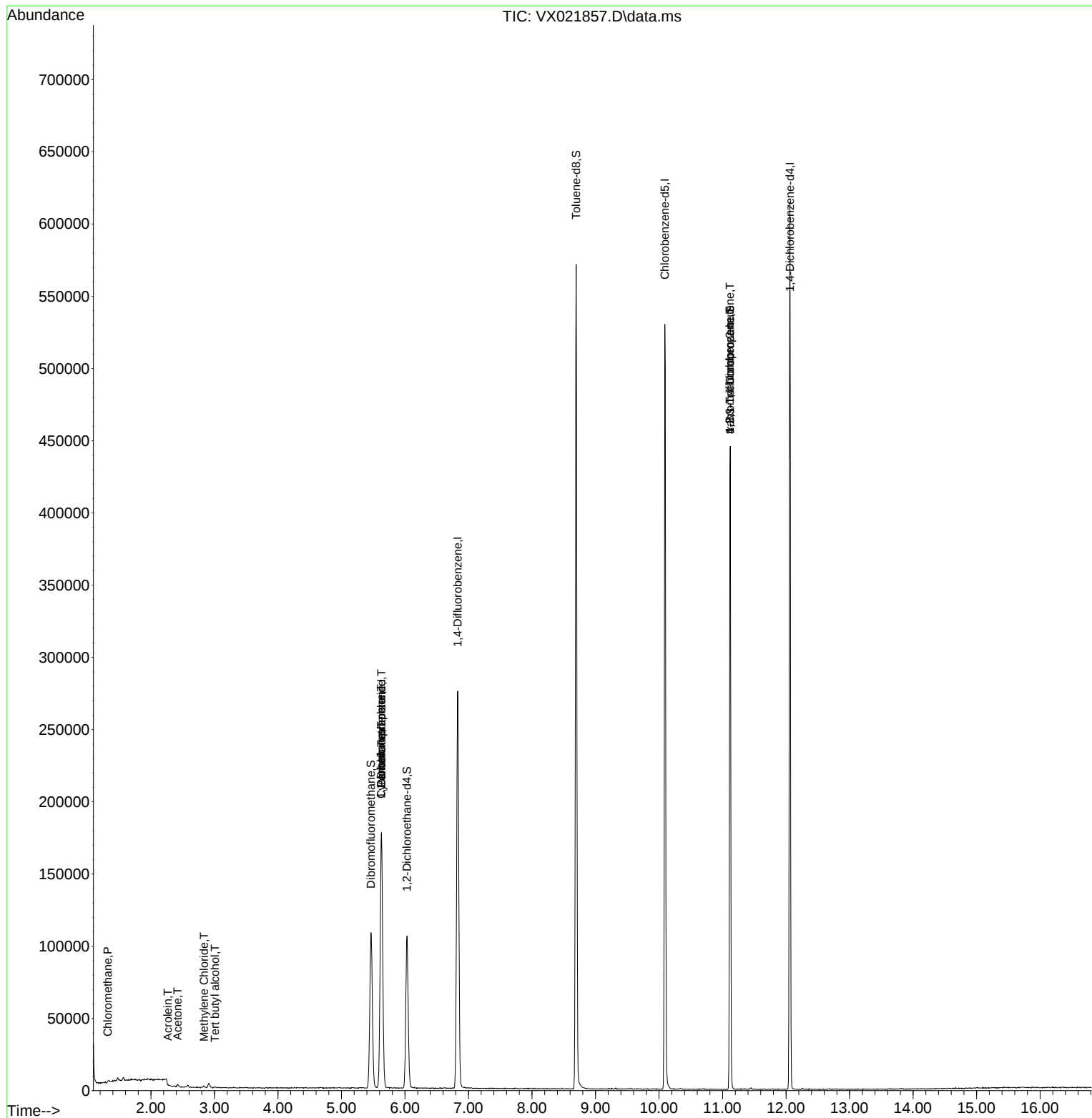
|                               |        |     |       |       |        |        |
|-------------------------------|--------|-----|-------|-------|--------|--------|
| Target Compounds              |        |     |       |       |        | Qvalue |
| 3) Chloromethane              | 1.319  | 50  | 779   | 0.64  | ug/l # | 86     |
| 11) Tert butyl alcohol        | 3.008  | 59  | 565   | 1.26  | ug/l   | 99     |
| 13) Acrolein                  | 2.264  | 56  | 158   | 0.44  | ug/l # | 14     |
| 16) Acetone                   | 2.416  | 43  | 1745  | 2.49  | ug/l   | 92     |
| 20) Methylene Chloride        | 2.837  | 84  | 554   | 0.26  | ug/l # | 86     |
| 31) Cyclohexane               | 5.623  | 56  | 2928  | 1.02  | ug/l # | 1      |
| 36) 1,1-Dichloropropene       | 5.623  | 75  | 11570 | 4.33  | ug/l # | 50     |
| 38) Carbon Tetrachloride      | 5.629  | 117 | 16332 | 5.58  | ug/l # | 17     |
| 76) 1,2,3-Trichloropropane    | 11.116 | 75  | 57435 | 21.79 | ug/l # | 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.116 | 75  | 57435 | 50.11 | ug/l # | 12     |
| -----                         |        |     |       |       |        |        |

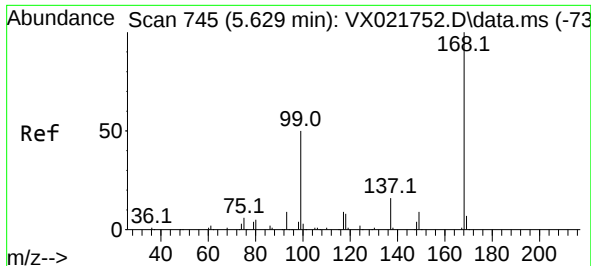
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042021W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 20 13:46:22 2021  
Response via : Initial Calibration

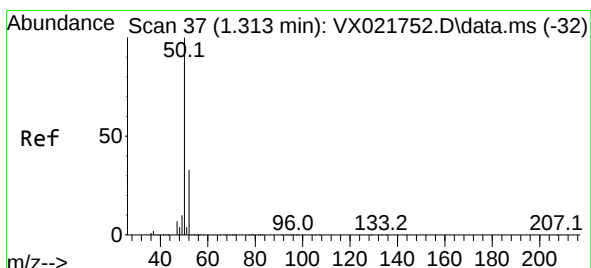
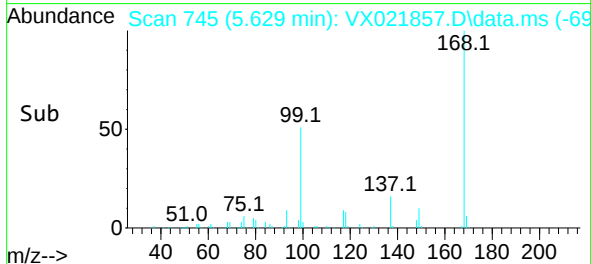
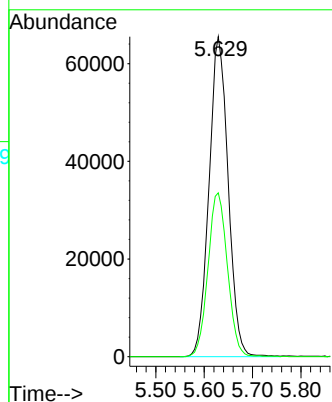
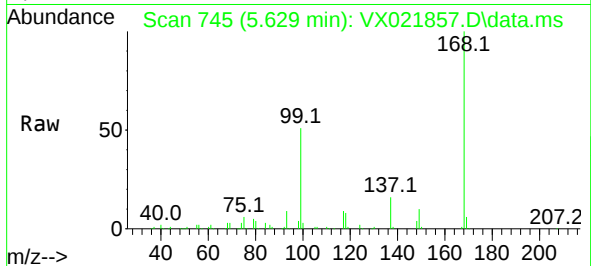




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. 0.000 min  
Lab File: VX021857.D  
Acq: 23 Apr 2021 20:55

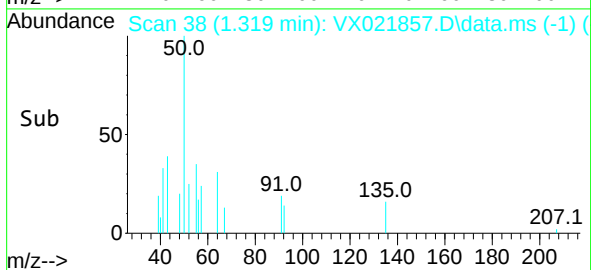
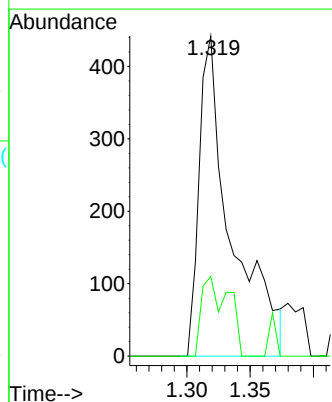
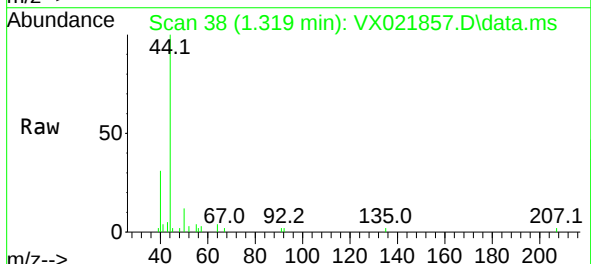
Instrument :  
MSVOA\_X  
ClientSampleId :  
152140-FB-042021

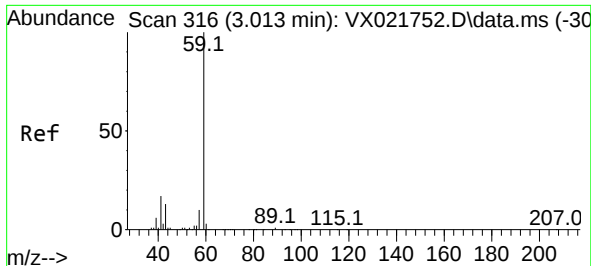
Tgt Ion:168 Resp: 179846  
Ion Ratio Lower Upper  
168 100  
99 51.2 45.8 68.6



#3  
Chloromethane  
Concen: 0.64 ug/l  
RT: 1.319 min Scan# 38  
Delta R.T. 0.006 min  
Lab File: VX021857.D  
Acq: 23 Apr 2021 20:55

Tgt Ion: 50 Resp: 779  
Ion Ratio Lower Upper  
50 100  
52 24.9 26.4 39.6#





#11

Tert butyl alcohol

Concen: 1.26 ug/l

RT: 3.008 min Scan# 315

Delta R.T. -0.005 min

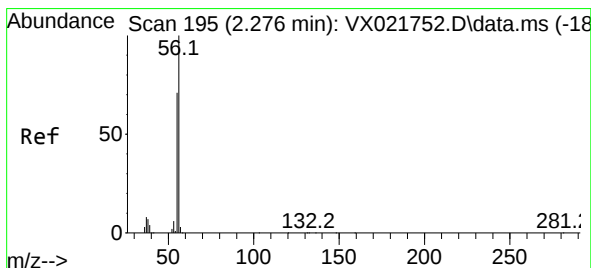
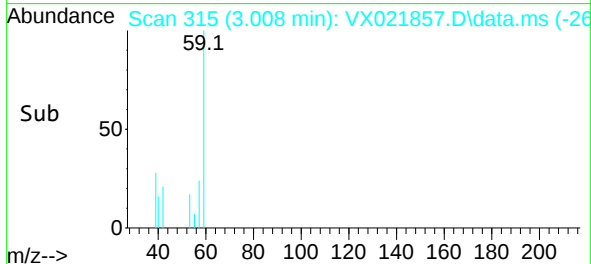
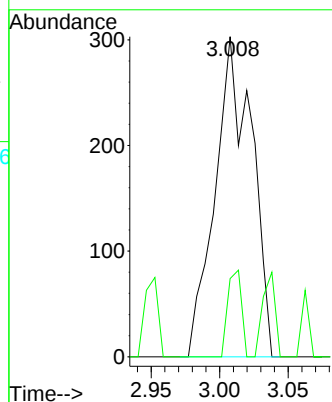
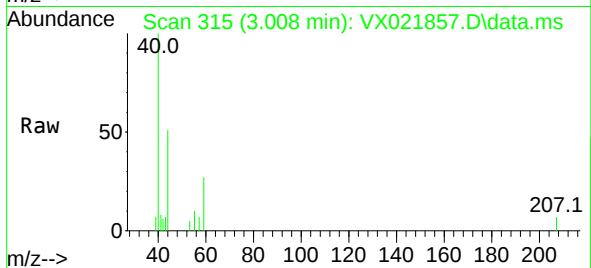
Lab File: VX021857.D

Acq: 23 Apr 2021 20:55

Tgt Ion: 59 Resp: 565

Ion Ratio Lower Upper

59 100  
57 10.1 7.8 11.8



#13

Acrolein

Concen: 0.44 ug/l

RT: 2.264 min Scan# 193

Delta R.T. -0.012 min

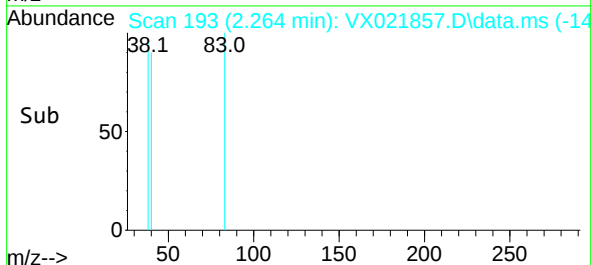
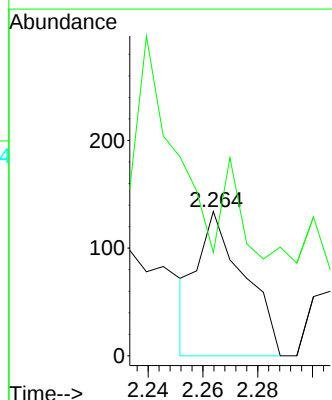
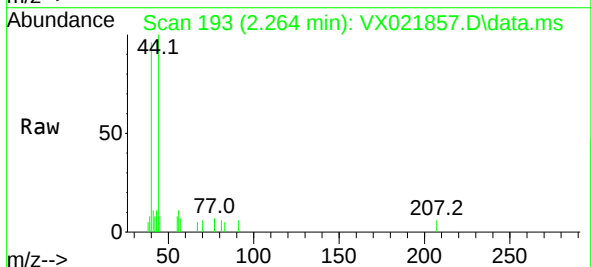
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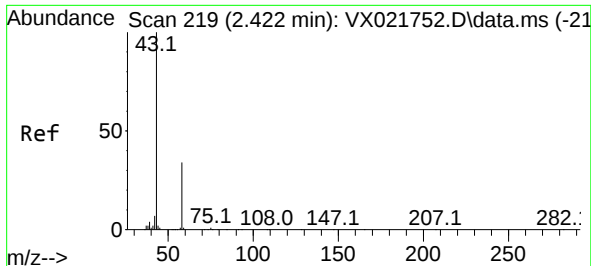
Acq: 23 Apr 2021 20:55

Tgt Ion: 56 Resp: 158

Ion Ratio Lower Upper

56 100  
55 0.0 56.4 84.6#

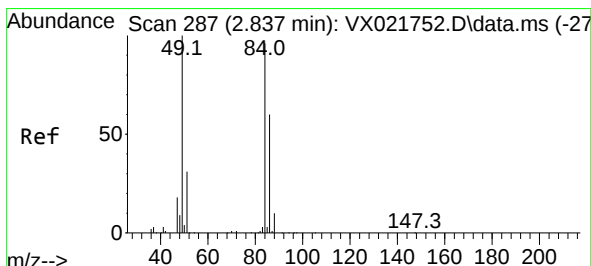
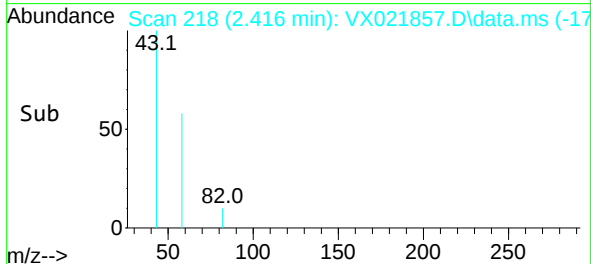
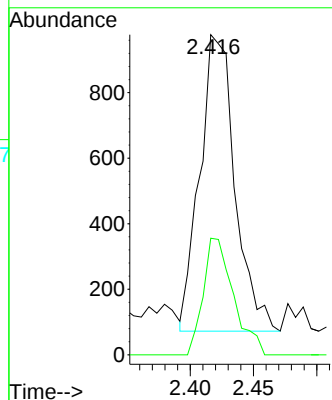
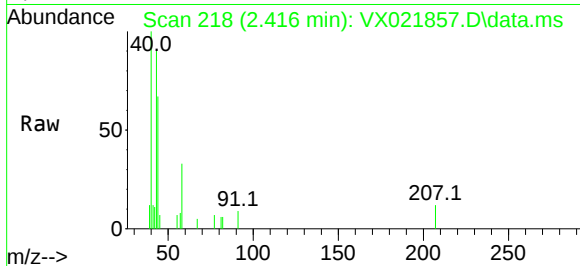




#16  
Acetone  
Concen: 2.49 ug/l  
RT: 2.416 min Scan# 218  
Delta R.T. -0.006 min  
Lab File: VX021857.D  
Acq: 23 Apr 2021 20:55

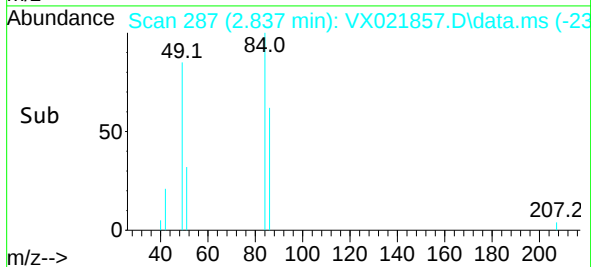
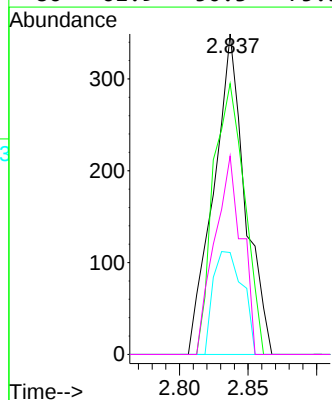
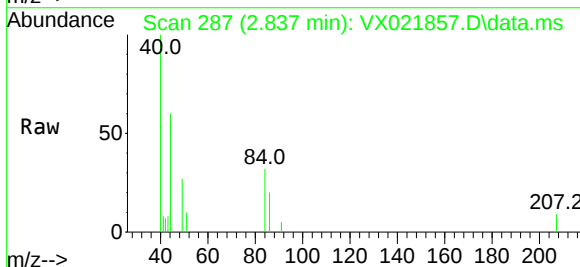
Instrument :  
MSVOA\_X  
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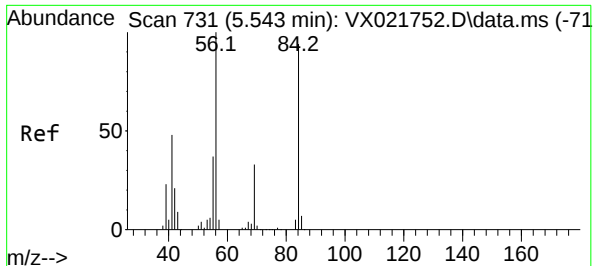
Tgt Ion: 43 Resp: 1745  
Ion Ratio Lower Upper  
43 100  
58 39.3 27.8 41.8



#20  
Methylene Chloride  
Concen: 0.26 ug/l  
RT: 2.837 min Scan# 287  
Delta R.T. -0.000 min  
Lab File: VX021857.D  
Acq: 23 Apr 2021 20:55

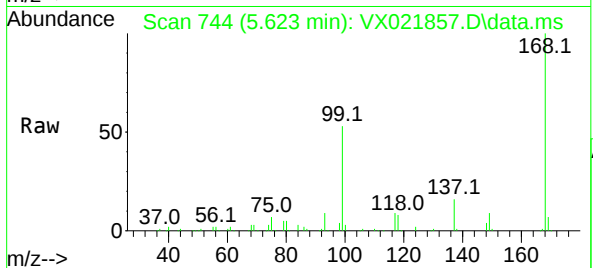
Tgt Ion: 84 Resp: 554  
Ion Ratio Lower Upper  
84 100  
49 84.5 88.6 132.8#  
51 31.8 27.0 40.6  
86 61.9 50.3 75.5



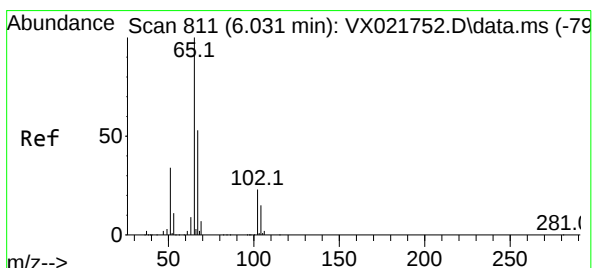
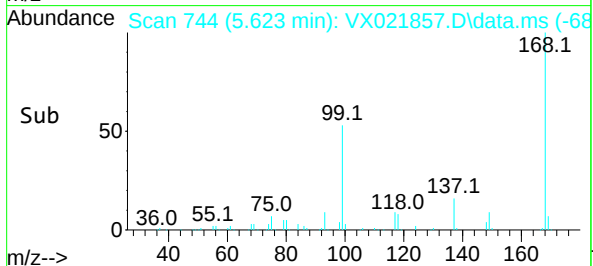
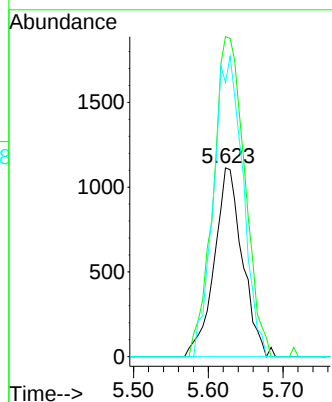


#31  
Cyclohexane  
Concen: 1.02 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. 0.080 min  
Lab File: VX021857.D  
Acq: 23 Apr 2021 20:55

Instrument :  
MSVOA\_X  
ClientSampleId :  
152140-FB-042021

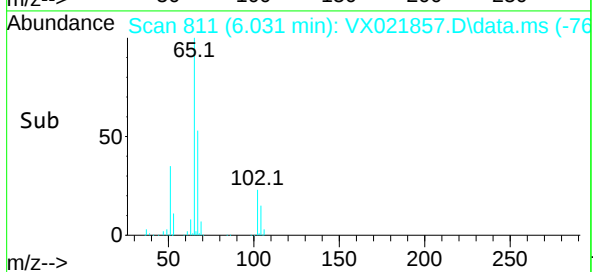
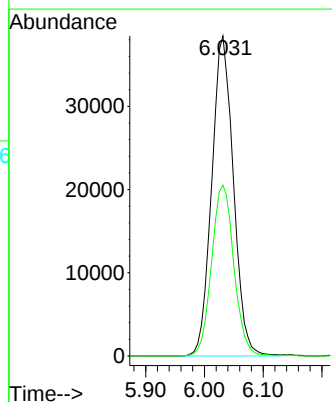
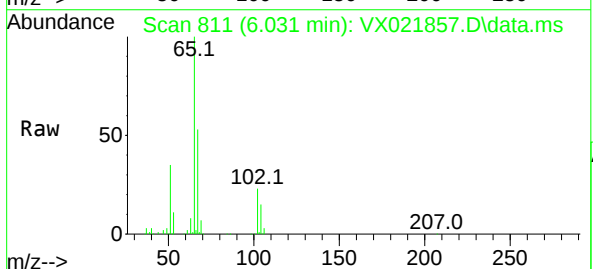


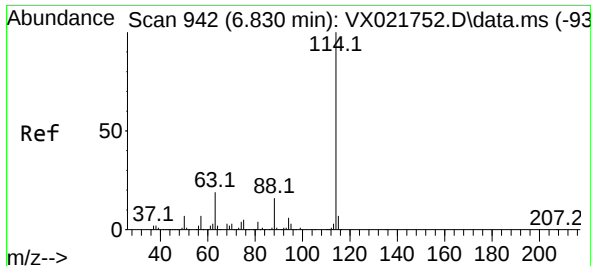
Tgt Ion: 56 Resp: 2928  
Ion Ratio Lower Upper  
56 100  
69 169.5 25.3 37.9#  
84 145.2 71.4 107.0#



#33  
1,2-Dichloroethane-d4  
Concen: 48.30 ug/l  
RT: 6.031 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: VX021857.D  
Acq: 23 Apr 2021 20:55

Tgt Ion: 65 Resp: 98535  
Ion Ratio Lower Upper  
65 100  
67 54.8 0.0 105.4

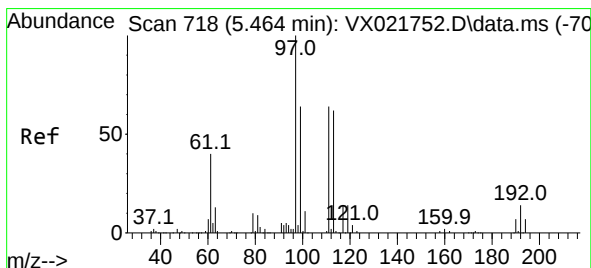
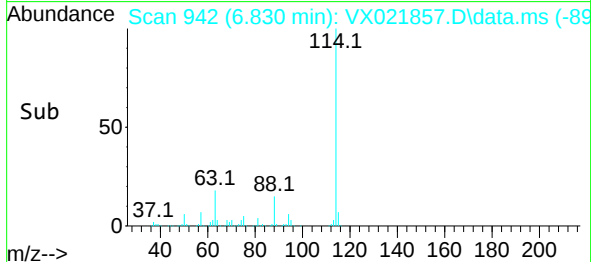
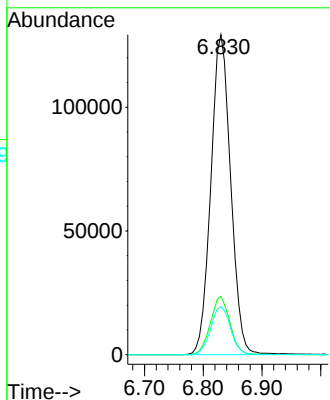
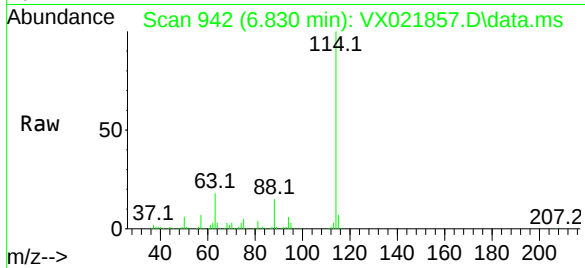




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.830 min Scan# 942  
Delta R.T. 0.000 min  
Lab File: VX021857.D  
Acq: 23 Apr 2021 20:55

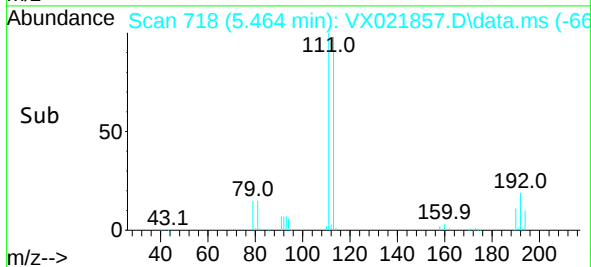
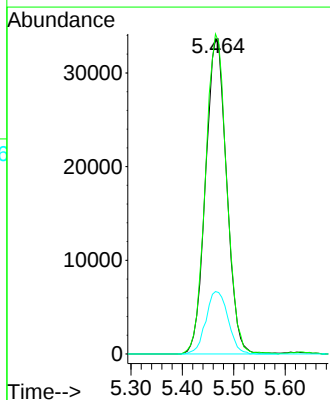
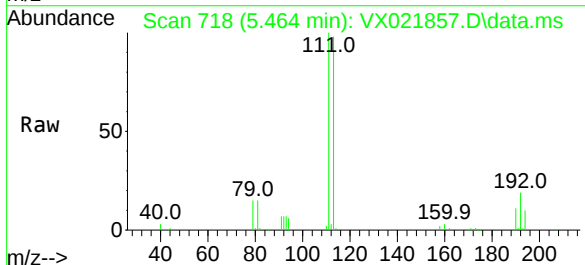
Instrument :  
MSVOA\_X  
ClientSampleId :  
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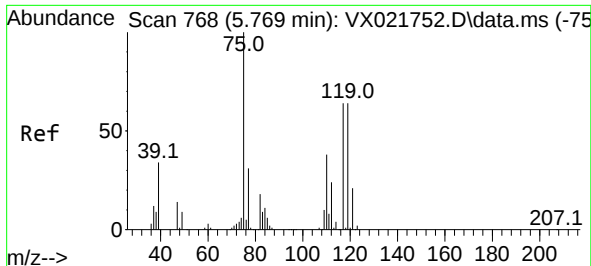
Tgt Ion:114 Resp: 302943  
Ion Ratio Lower Upper  
114 100  
63 18.2 0.0 40.8  
88 15.1 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 49.54 ug/l  
RT: 5.464 min Scan# 718  
Delta R.T. 0.000 min  
Lab File: VX021857.D  
Acq: 23 Apr 2021 20:55

Tgt Ion:113 Resp: 95977  
Ion Ratio Lower Upper  
113 100  
111 102.1 81.9 122.9  
192 20.8 16.7 25.1

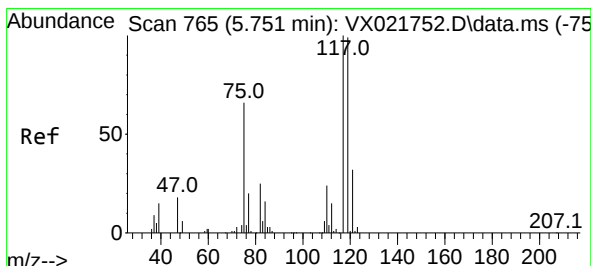
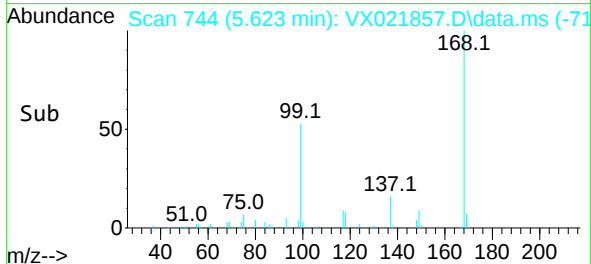
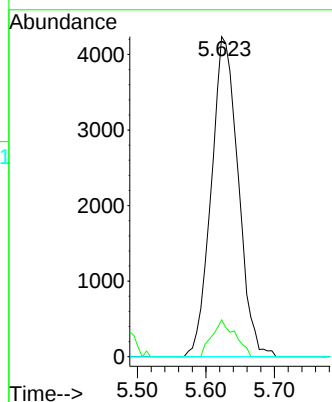
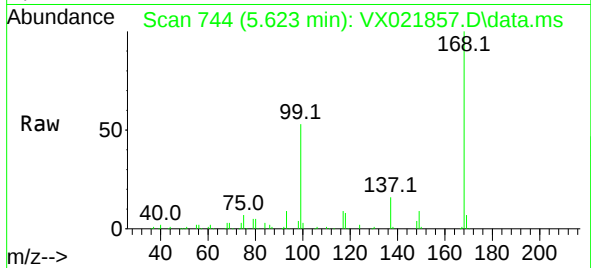




#36  
1,1-Dichloropropene  
Concen: 4.33 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. -0.146 min  
Lab File: VX021857.D  
Acq: 23 Apr 2021 20:55

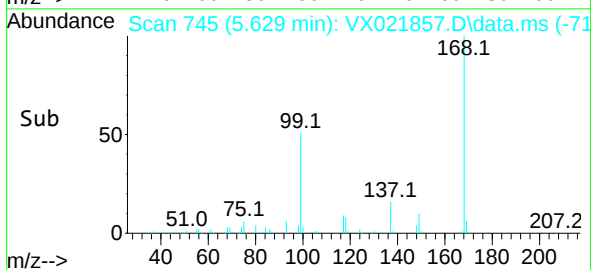
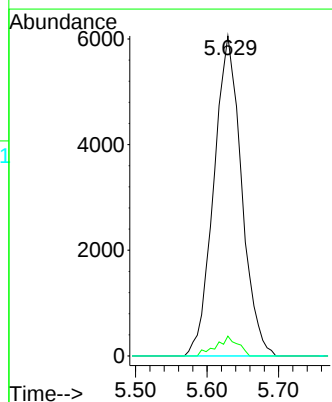
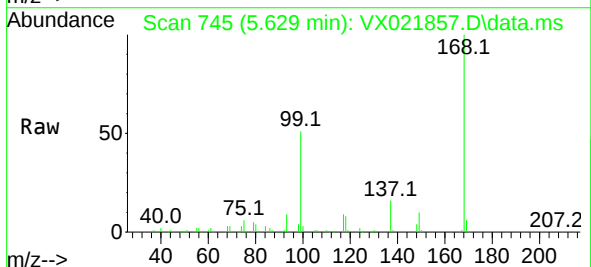
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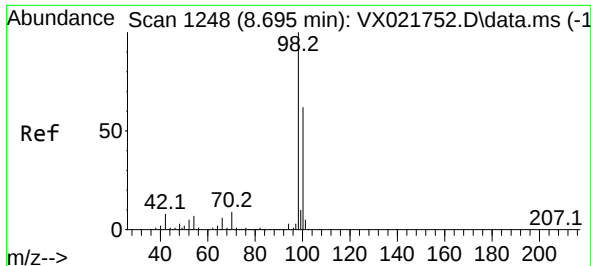
Tgt Ion: 75 Resp: 11570  
Ion Ratio Lower Upper  
75 100  
110 9.8 18.1 54.4#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 5.58 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. -0.122 min  
Lab File: VX021857.D  
Acq: 23 Apr 2021 20:55

Tgt Ion: 117 Resp: 16332  
Ion Ratio Lower Upper  
117 100  
119 6.2 76.2 114.2#  
121 0.0 24.8 37.2#

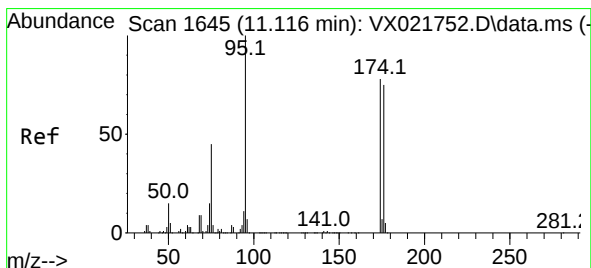
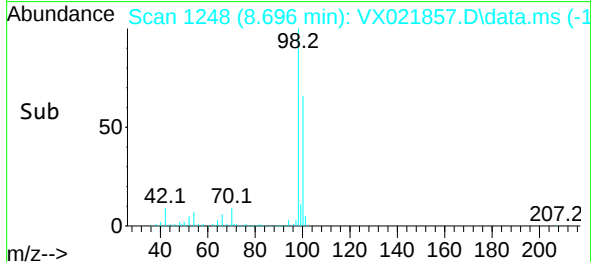
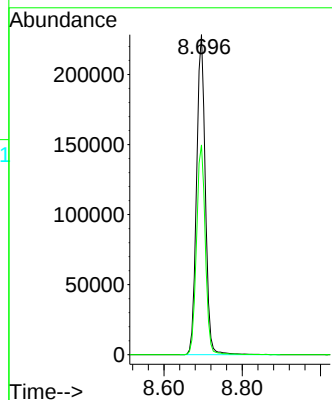
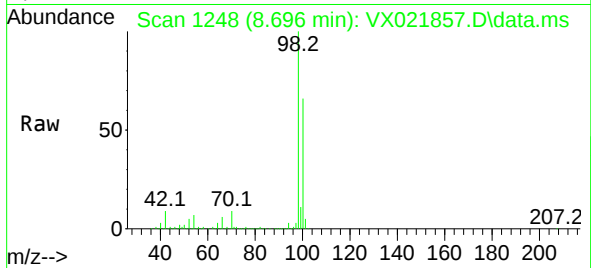




#50  
Toluene-d8  
Concen: 47.82 ug/l  
RT: 8.696 min Scan# 1248  
Delta R.T. 0.001 min  
Lab File: VX021857.D  
Acq: 23 Apr 2021 20:55

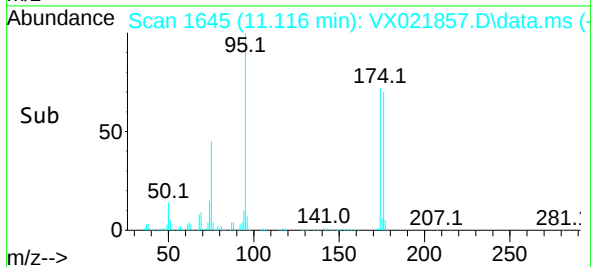
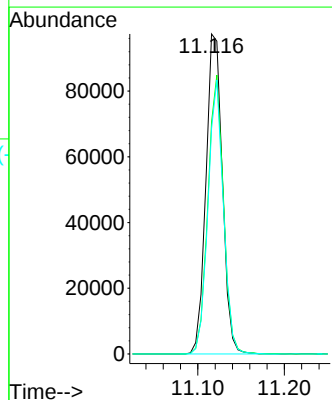
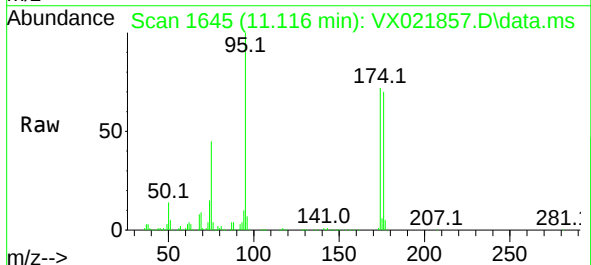
Instrument :  
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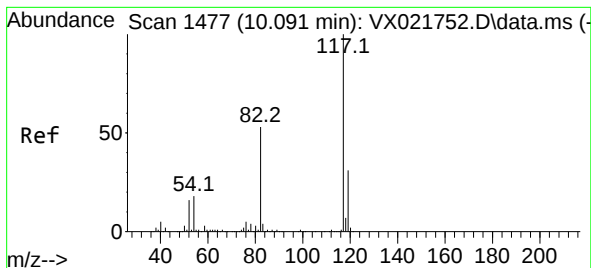
Tgt Ion: 98 Resp: 356184  
Ion Ratio Lower Upper  
98 100  
100 66.0 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 46.13 ug/l  
RT: 11.116 min Scan# 1645  
Delta R.T. -0.000 min  
Lab File: VX021857.D  
Acq: 23 Apr 2021 20:55

Tgt Ion: 95 Resp: 128319  
Ion Ratio Lower Upper  
95 100  
174 82.7 0.0 154.6  
176 80.1 0.0 155.8

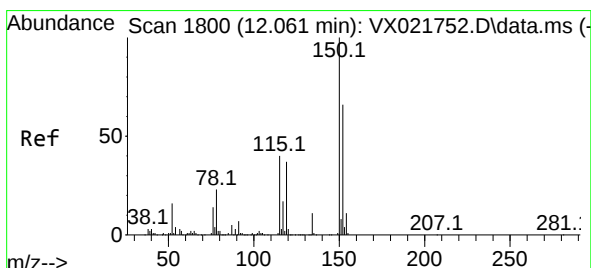
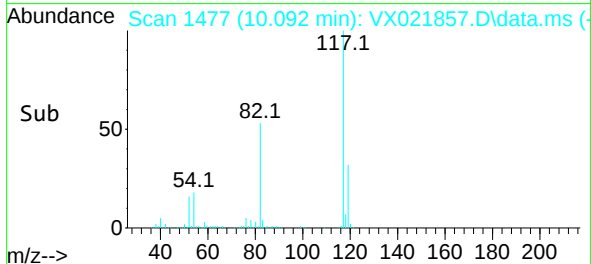
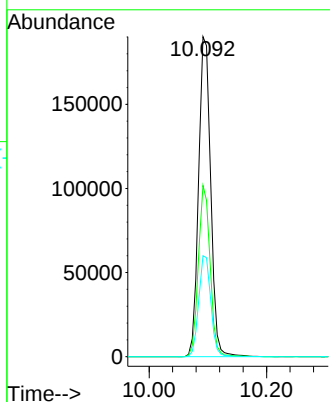
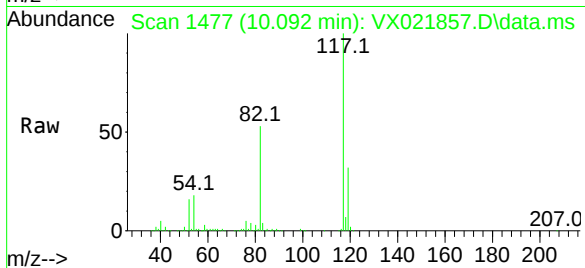




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.092 min Scan# 1477  
Delta R.T. 0.001 min  
Lab File: VX021857.D  
Acq: 23 Apr 2021 20:55

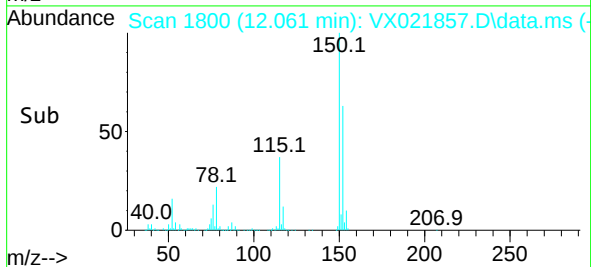
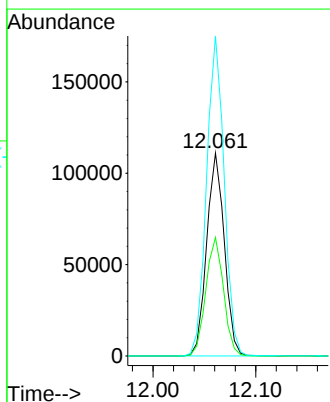
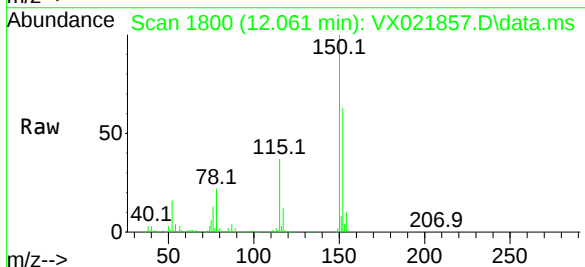
Instrument :  
MSVOA\_X  
ClientSampleId :  
152140-FB-042021

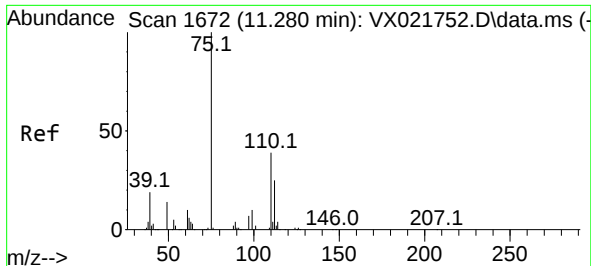
Tgt Ion:117 Resp: 272545  
Ion Ratio Lower Upper  
117 100  
82 53.5 47.4 71.2  
119 31.6 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.061 min Scan# 1800  
Delta R.T. -0.000 min  
Lab File: VX021857.D  
Acq: 23 Apr 2021 20:55

Tgt Ion:152 Resp: 132911  
Ion Ratio Lower Upper  
152 100  
115 58.5 41.1 123.3  
150 157.2 0.0 349.0

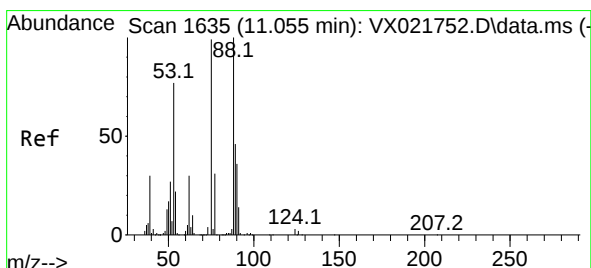
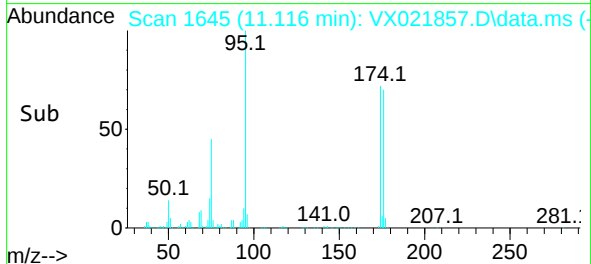
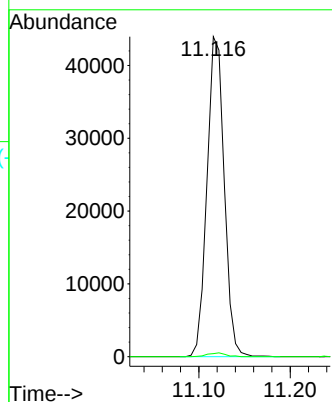
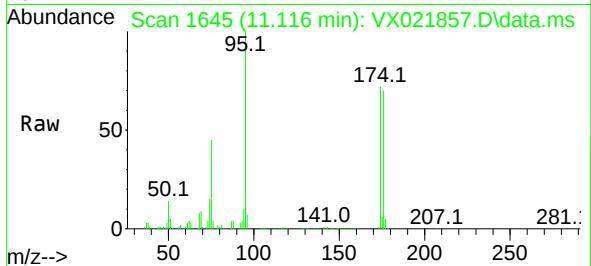




#76  
1,2,3-Trichloropropane  
Concen: 21.79 ug/l  
RT: 11.116 min Scan# 1645  
Delta R.T. -0.164 min  
Lab File: VX021857.D  
Acq: 23 Apr 2021 20:55

Instrument :  
MSVOA\_X  
ClientSampleId :  
152140-FB-042021

Tgt Ion: 75 Resp: 57435  
Ion Ratio Lower Upper  
75 100  
77 1.3 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 50.11 ug/l  
RT: 11.116 min Scan# 1645  
Delta R.T. 0.061 min  
Lab File: VX021857.D  
Acq: 23 Apr 2021 20:55

Tgt Ion: 75 Resp: 57435  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.1 37.9 56.9#

