

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020321\  
 Data File : VX020838.D  
 Acq On : 03 Feb 2021 14:20  
 Operator : JC/SP  
 Sample : M1289-08  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 152140-MW-3D(OFFSITE)

Quant Time: Feb 04 02:22:21 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X012521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 25 13:38:15 2021  
 Response via : Initial Calibration

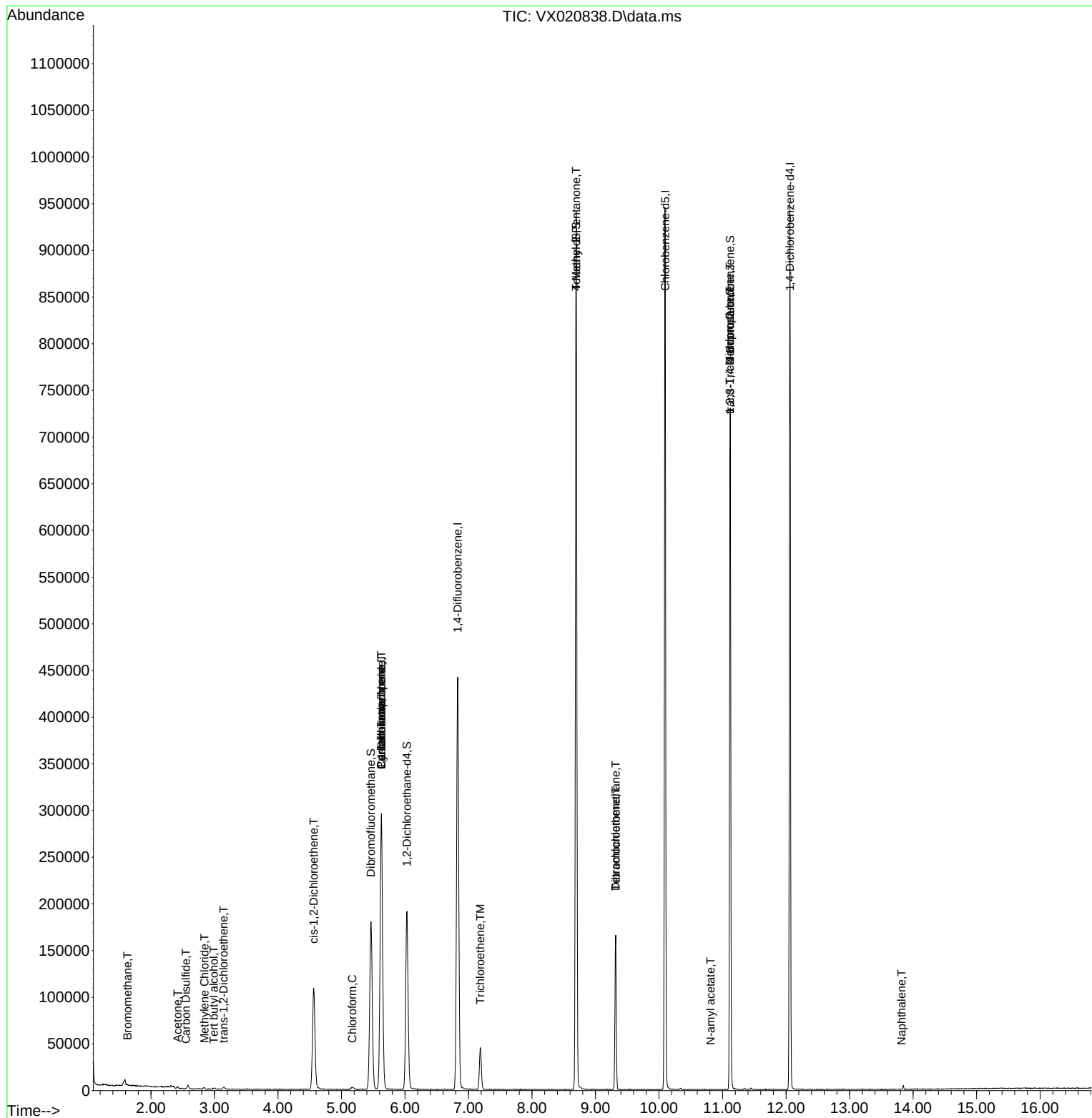
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.629  | 168   | 268428   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.830  | 114   | 455163   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.098 | 117   | 444302   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.061 | 152   | 192639   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.031  | 65    | 182630   | 49.88    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery | =      | 99.76%   |
| 35) Dibromofluoromethane      | 5.464  | 113   | 156535   | 50.21    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery | =      | 100.42%  |
| 50) Toluene-d8                | 8.696  | 98    | 562865   | 49.24    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery | =      | 98.48%   |
| 62) 4-Bromofluorobenzene      | 11.122 | 95    | 200851   | 45.25    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery | =      | 90.50%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Bromomethane               | 1.630  | 94    | 393      | 0.22     | ug/l # | 26       |
| 11) Tert butyl alcohol        | 2.989  | 59    | 987      | 1.44     | ug/l # | 73       |
| 16) Acetone                   | 2.416  | 43    | 1490     | 1.07     | ug/l   | 94       |
| 17) Carbon Disulfide          | 2.550  | 76    | 342      | 0.94     | ug/l # | 75       |
| 20) Methylene Chloride        | 2.843  | 84    | 851      | 0.24     | ug/l # | 84       |
| 21) trans-1,2-Dichloroethene  | 3.142  | 96    | 719      | 0.22     | ug/l   | 82       |
| 27) cis-1,2-Dichloroethene    | 4.562  | 96    | 73601    | 20.84    | ug/l   | 88       |
| 30) Chloroform                | 5.172  | 83    | 2840     | 0.48     | ug/l   | 95       |
| 31) Cyclohexane               | 5.629  | 56    | 5081     | 1.03     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.629  | 75    | 19964    | 4.37     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.629  | 117   | 27568    | 5.74     | ug/l # | 17       |
| 44) Trichloroethene           | 7.184  | 130   | 17949    | 5.01     | ug/l   | 89       |
| 51) 4-Methyl-2-Pentanone      | 8.696  | 43    | 2081     | 0.48     | ug/l # | 1        |
| 60) Dibromochloromethane      | 9.317  | 129   | 30348    | 7.82     | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.317  | 164   | 31850    | 9.35     | ug/l   | 95       |
| 74) N-amyl acetate            | 10.811 | 43    | 50       | 2.02     | ug/l # | 38       |
| 76) 1,2,3-Trichloropropane    | 11.116 | 75    | 97851    | 21.90    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.116 | 75    | 97851    | 61.37    | ug/l # | 12       |
| 95) Naphthalene               | 13.817 | 128   | 199      | 2.89     | ug/l # | 69       |

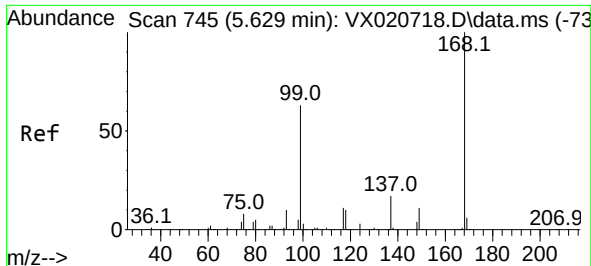
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :  
152140-MW-3D(OFFSITE)

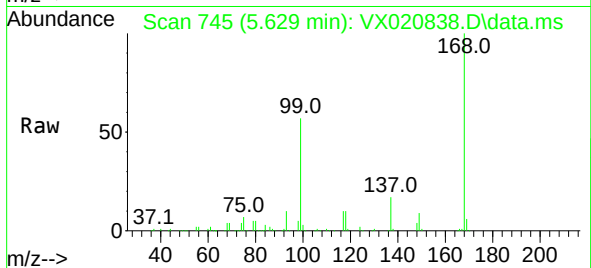
Quant Time: Feb 04 02:22:21 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X012521W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jan 25 13:38:15 2021  
Response via : Initial Calibration



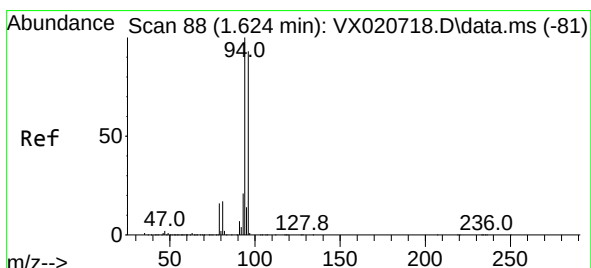
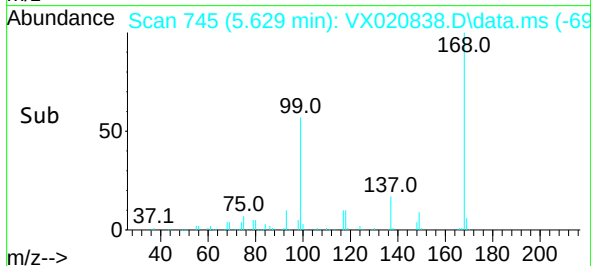
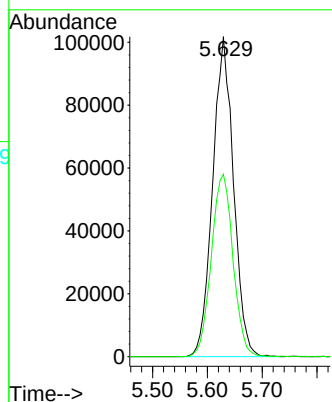


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. 0.000 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
152140-MW-3D(OFFSITE)

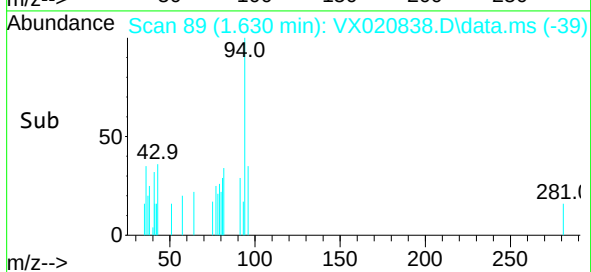
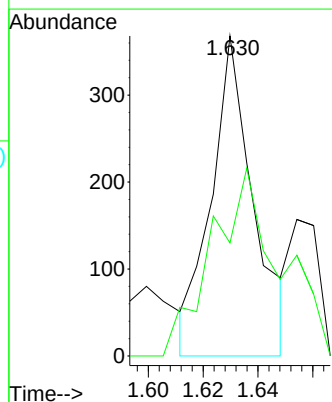
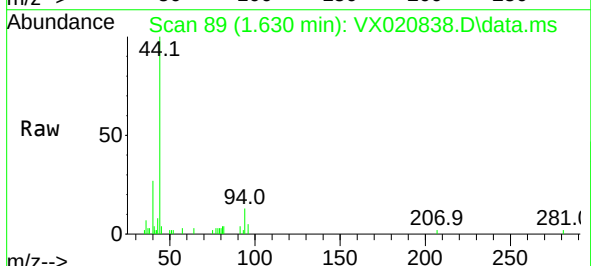


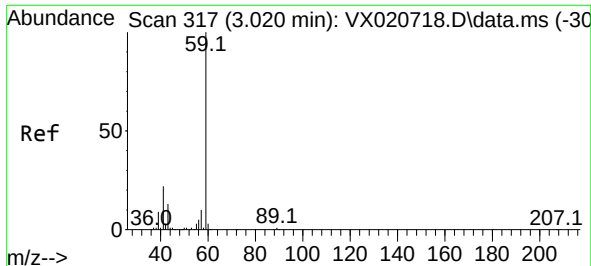
Tgt Ion:168 Resp: 268428  
Ion Ratio Lower Upper  
168 100  
99 57.0 45.8 68.6



#5  
Bromomethane  
Concen: 0.22 ug/l  
RT: 1.630 min Scan# 89  
Delta R.T. 0.006 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

Tgt Ion: 94 Resp: 393  
Ion Ratio Lower Upper  
94 100  
96 23.3 76.4 114.6#



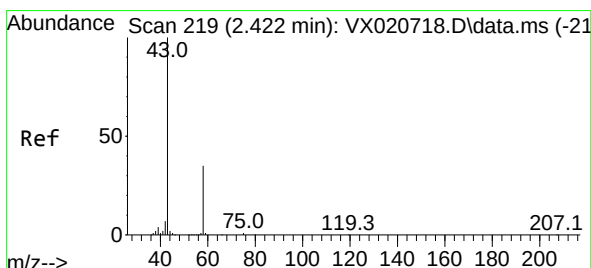
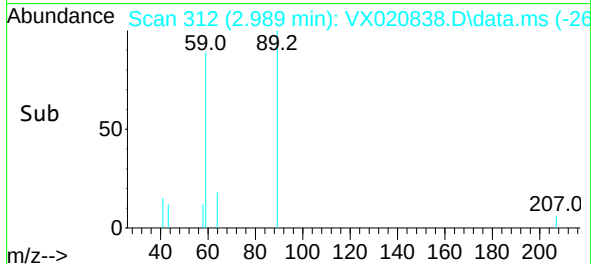
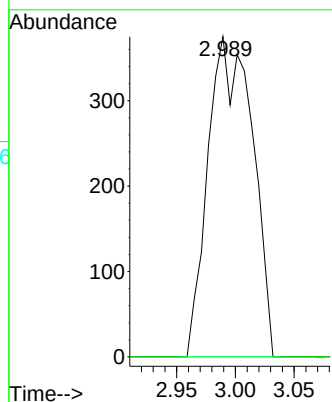
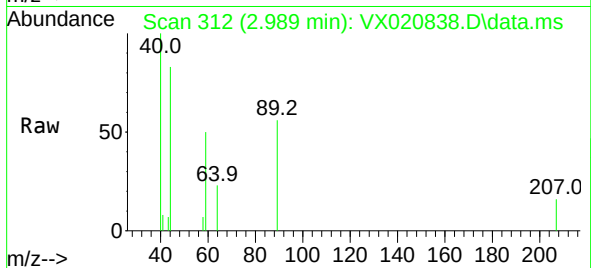


#11

Tert butyl alcohol  
Concen: 1.44 ug/l  
RT: 2.989 min Scan# 312  
Delta R.T. -0.031 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
152140-MW-3D(OFFSITE)

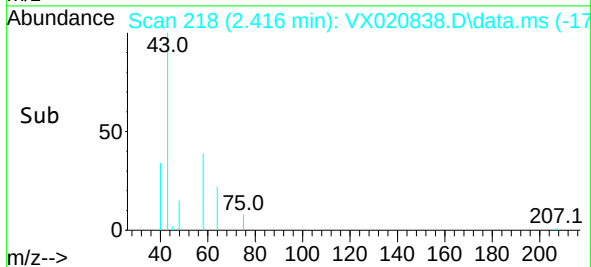
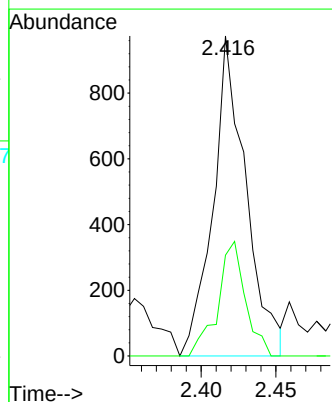
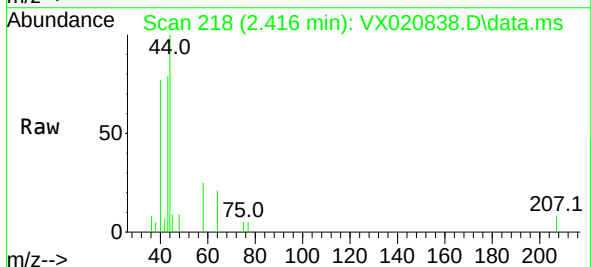
Tgt Ion: 59 Resp: 987  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

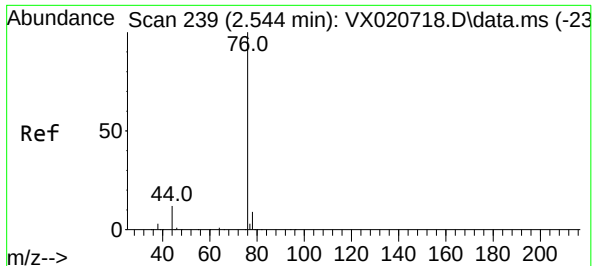


#16

Acetone  
Concen: 1.07 ug/l  
RT: 2.416 min Scan# 218  
Delta R.T. -0.006 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

Tgt Ion: 43 Resp: 1490  
Ion Ratio Lower Upper  
43 100  
58 31.5 27.8 41.8

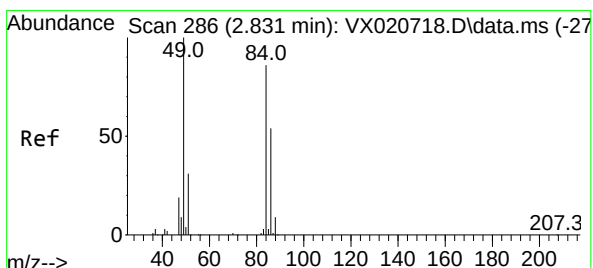
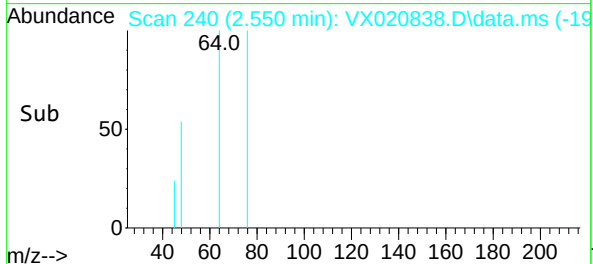
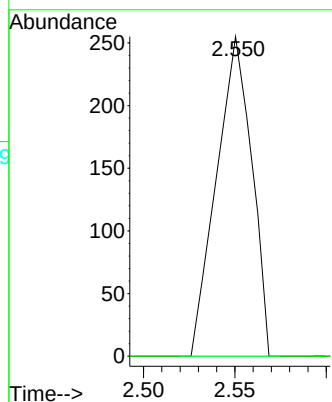
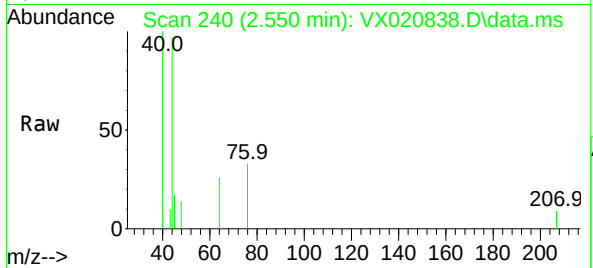




#17  
Carbon Disulfide  
Concen: 0.94 ug/l  
RT: 2.550 min Scan# 240  
Delta R.T. 0.006 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

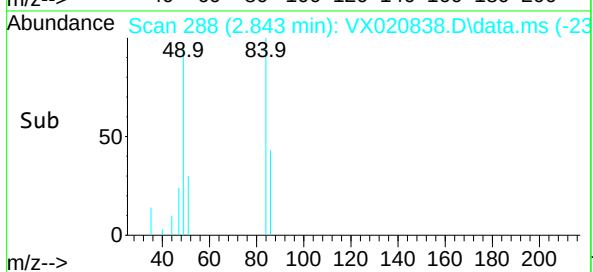
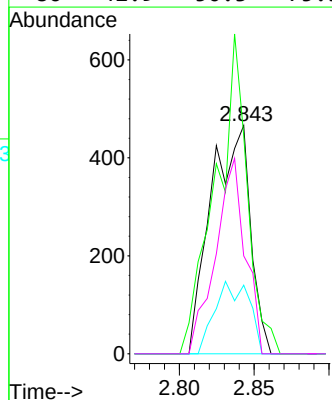
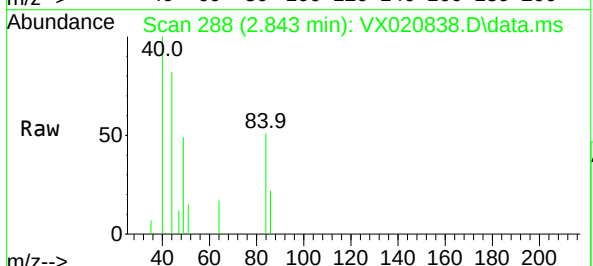
Instrument :  
MSVOA\_X  
ClientSampleId :  
152140-MW-3D(OFFSITE)

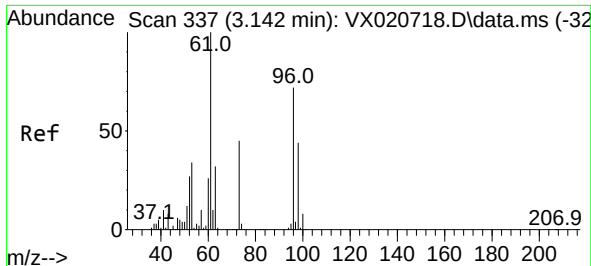
Tgt Ion: 76 Resp: 342  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#



#20  
Methylene Chloride  
Concen: 0.24 ug/l  
RT: 2.843 min Scan# 288  
Delta R.T. 0.012 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

Tgt Ion: 84 Resp: 851  
Ion Ratio Lower Upper  
84 100  
49 95.7 88.6 132.8  
51 30.0 27.0 40.6  
86 42.9 50.3 75.5#

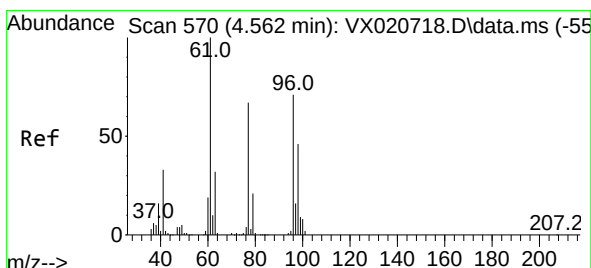
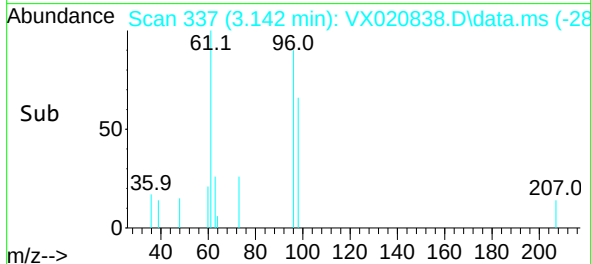
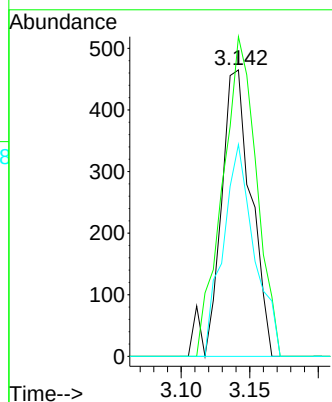
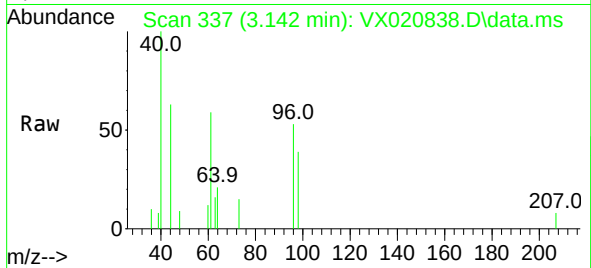




#21  
trans-1,2-Dichloroethene  
Concen: 0.22 ug/l  
RT: 3.142 min Scan# 337  
Delta R.T. -0.000 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

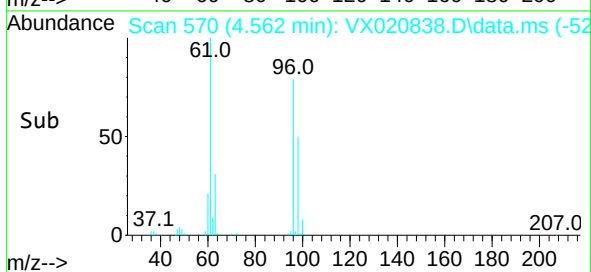
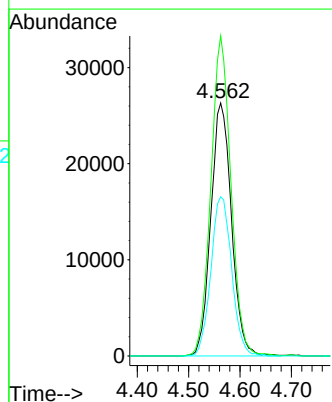
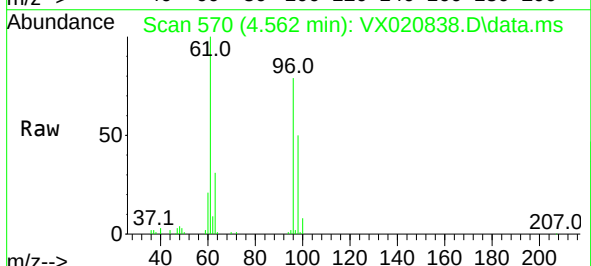
Instrument :  
MSVOA\_X  
ClientSampleId :  
152140-MW-3D(OFFSITE)

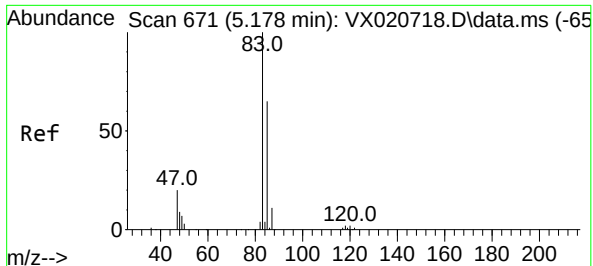
Tgt Ion: 96 Resp: 719  
Ion Ratio Lower Upper  
96 100  
61 111.6 107.7 161.5  
98 74.0 50.4 75.6



#27  
cis-1,2-Dichloroethene  
Concen: 20.84 ug/l  
RT: 4.562 min Scan# 570  
Delta R.T. 0.000 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

Tgt Ion: 96 Resp: 73601  
Ion Ratio Lower Upper  
96 100  
61 122.7 0.0 285.6  
98 63.1 0.0 129.6





#30

Chloroform

Concen: 0.48 ug/l

RT: 5.172 min Scan# 670

Delta R.T. -0.006 min

Lab File: VX020838.D

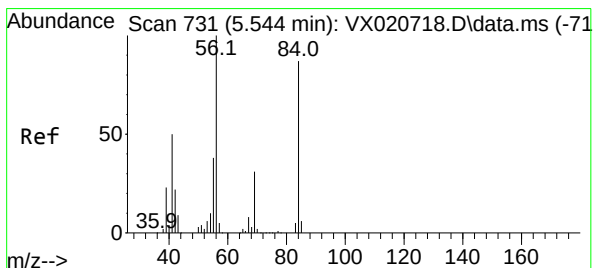
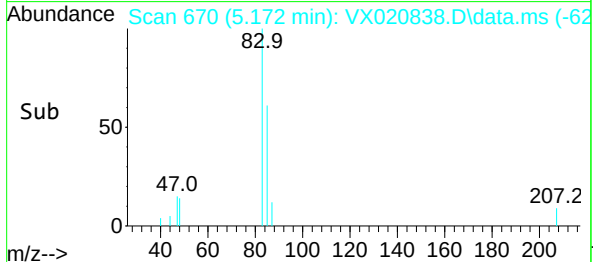
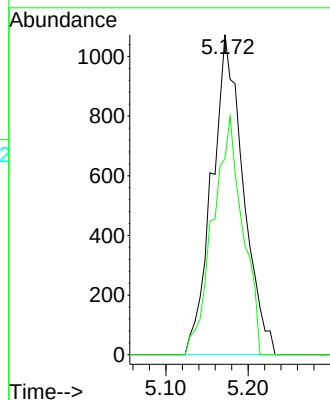
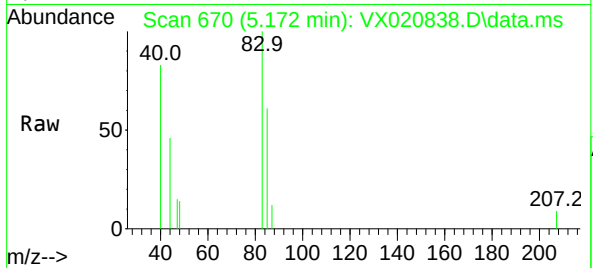
Acq: 03 Feb 2021 14:20

Tgt Ion: 83 Resp: 2840

Ion Ratio Lower Upper

83 100

85 61.2 52.0 78.0



#31

Cyclohexane

Concen: 1.03 ug/l

RT: 5.629 min Scan# 745

Delta R.T. 0.085 min

Lab File: VX020838.D

Acq: 03 Feb 2021 14:20

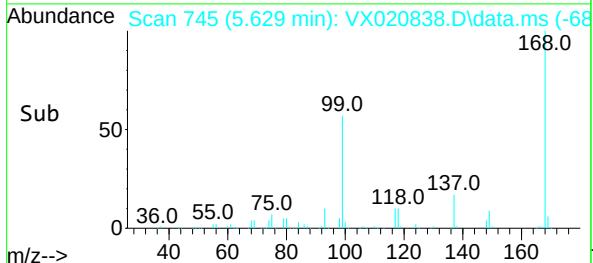
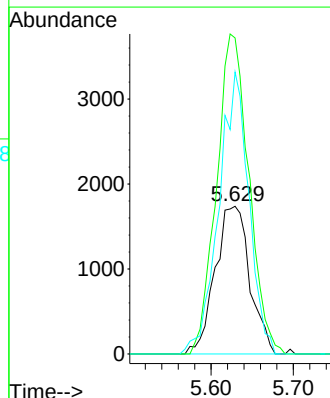
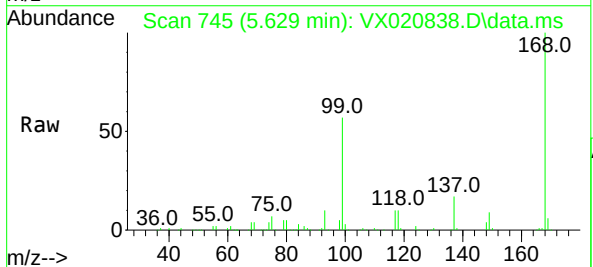
Tgt Ion: 56 Resp: 5081

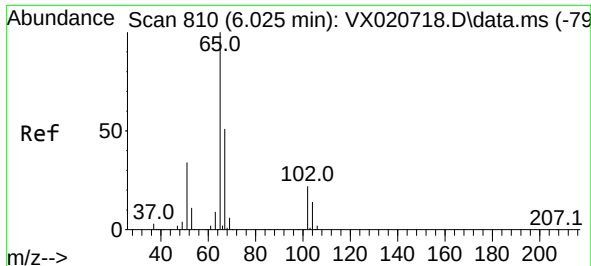
Ion Ratio Lower Upper

56 100

69 214.0 25.3 37.9#

84 190.9 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 49.88 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020838.D

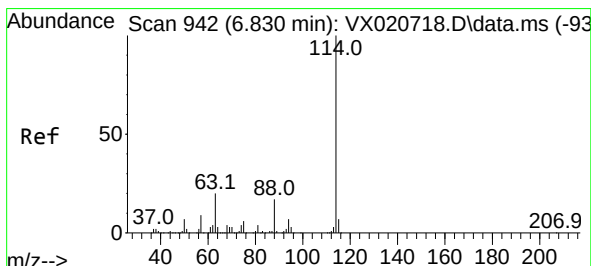
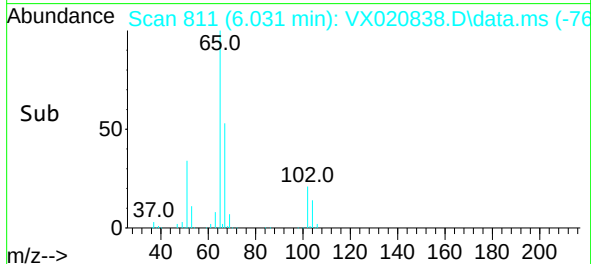
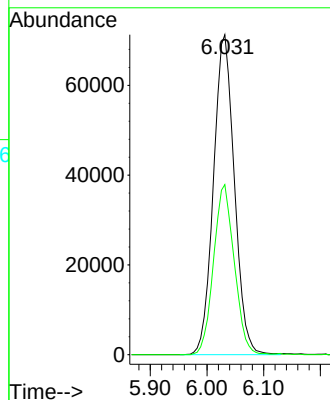
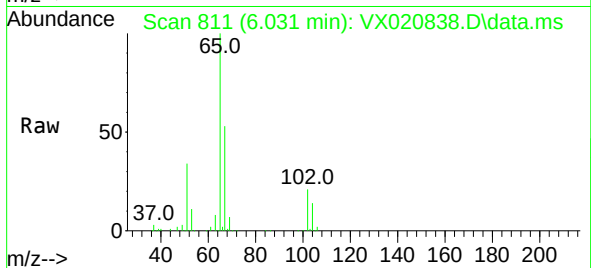
Acq: 03 Feb 2021 14:20

Tgt Ion: 65 Resp: 182630

Ion Ratio Lower Upper

65 100

67 52.6 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: VX020838.D

Acq: 03 Feb 2021 14:20

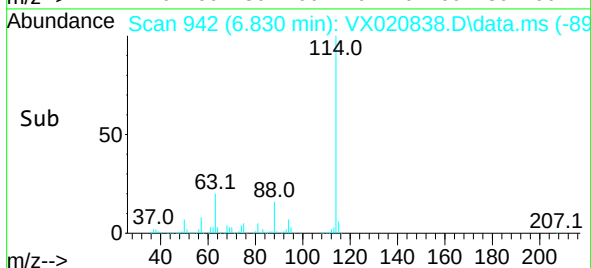
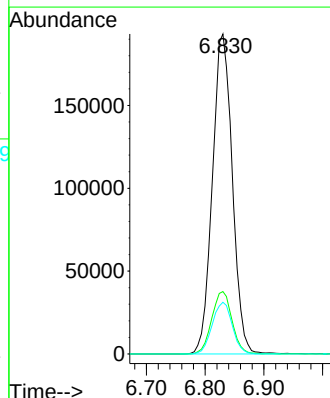
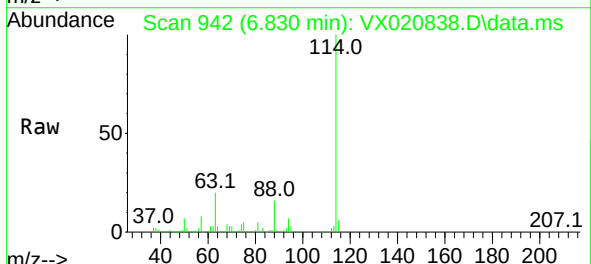
Tgt Ion: 114 Resp: 455163

Ion Ratio Lower Upper

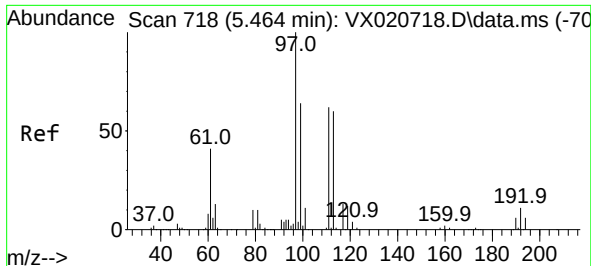
114 100

63 19.5 0.0 40.8

88 16.2 0.0 32.8

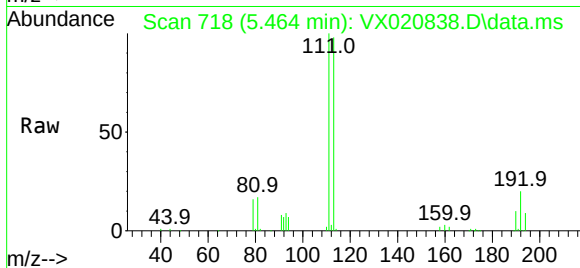




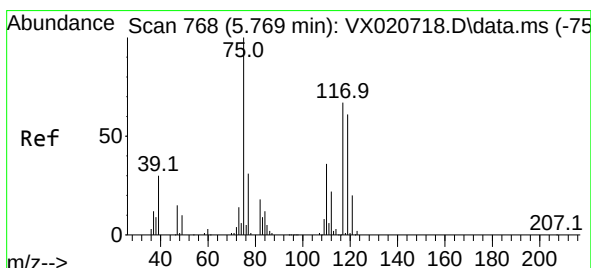
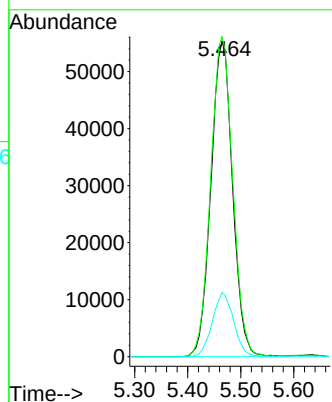
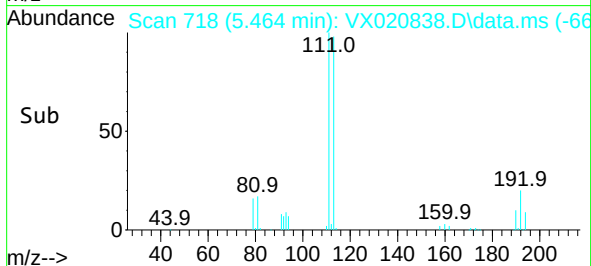


#35  
Dibromofluoromethane  
Concen: 50.21 ug/l  
RT: 5.464 min Scan# 718  
Delta R.T. 0.000 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

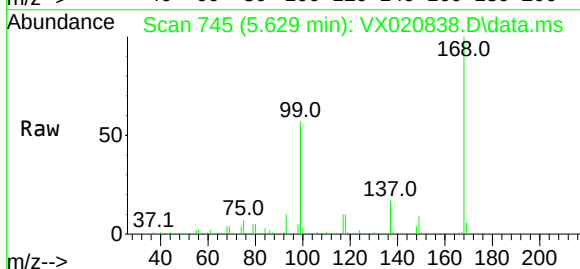
Instrument :  
MSVOA\_X  
ClientSampleId :  
152140-MW-3D(OFFSITE)



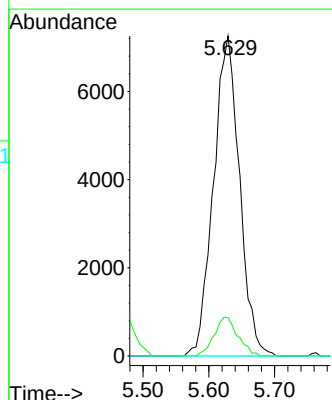
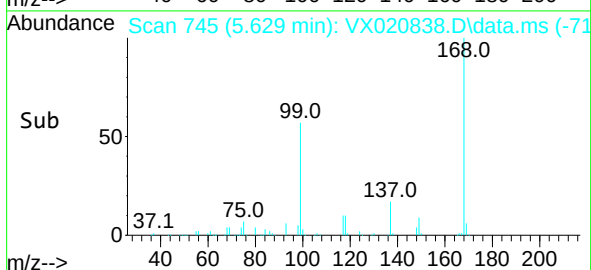
Tgt Ion:113 Resp: 156535  
Ion Ratio Lower Upper  
113 100  
111 103.7 81.9 122.9  
192 20.0 16.7 25.1

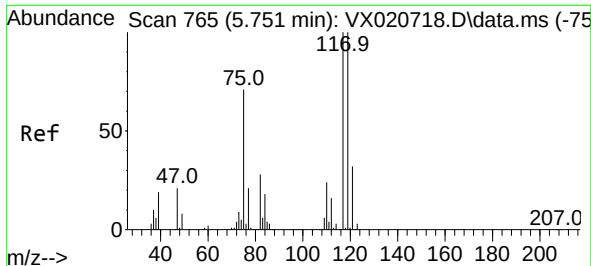


#36  
1,1-Dichloropropene  
Concen: 4.37 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. -0.140 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20



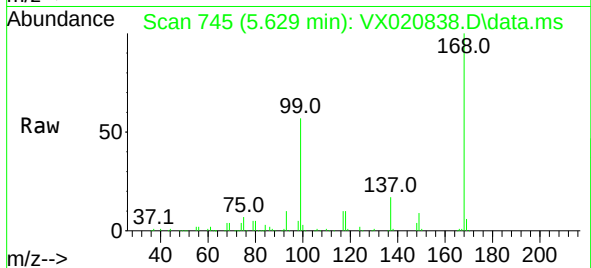
Tgt Ion: 75 Resp: 19964  
Ion Ratio Lower Upper  
75 100  
110 11.0 18.1 54.4#  
77 0.0 25.3 37.9#



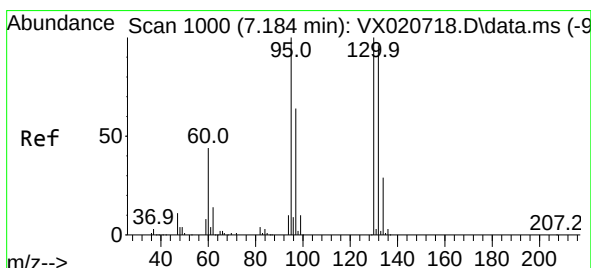
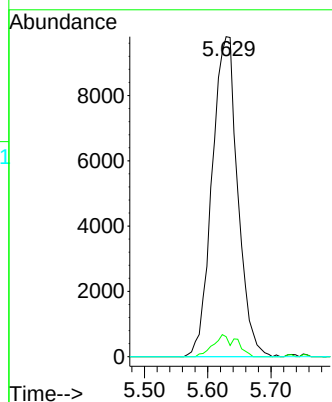
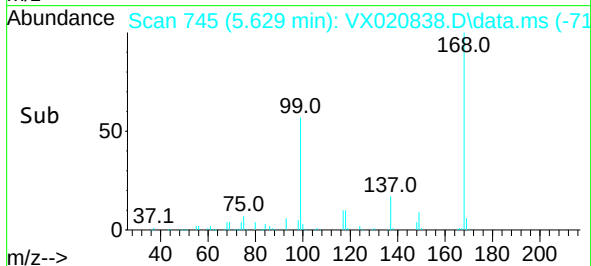


#38  
Carbon Tetrachloride  
Concen: 5.74 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. -0.122 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

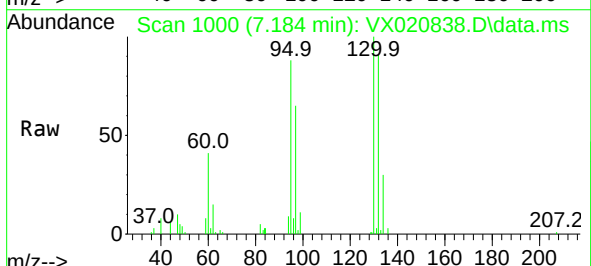
Instrument :  
MSVOA\_X  
ClientSampleId :  
152140-MW-3D(OFFSITE)



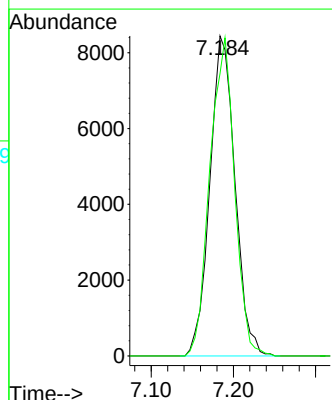
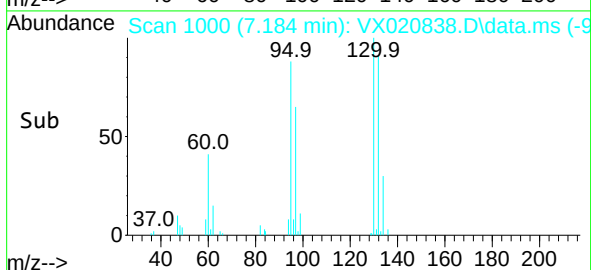
Tgt Ion:117 Resp: 27568  
Ion Ratio Lower Upper  
117 100  
119 6.3 76.2 114.2#  
121 0.0 24.8 37.2#

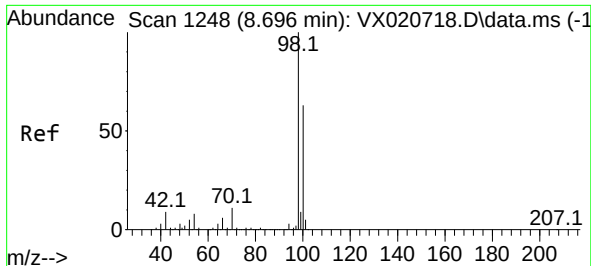


#44  
Trichloroethene  
Concen: 5.01 ug/l  
RT: 7.184 min Scan# 1000  
Delta R.T. -0.000 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20



Tgt Ion:130 Resp: 17949  
Ion Ratio Lower Upper  
130 100  
95 88.3 0.0 198.0

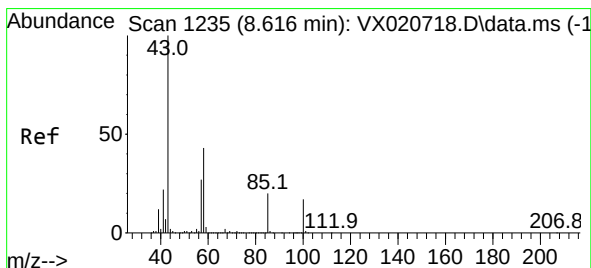
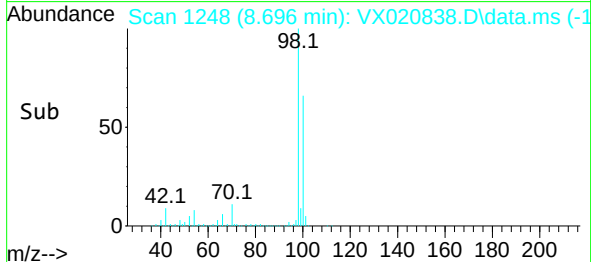
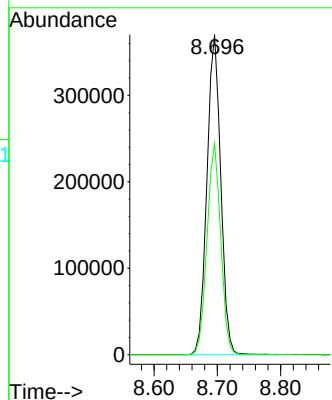
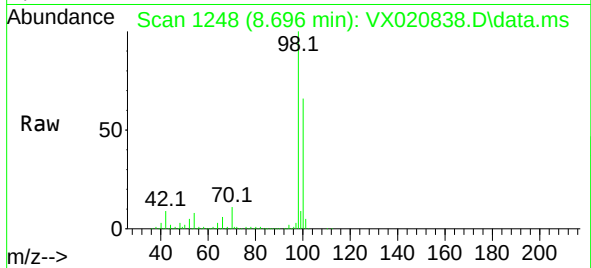




#50  
Toluene-d8  
Concen: 49.24 ug/l  
RT: 8.696 min Scan# 1248  
Delta R.T. -0.000 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

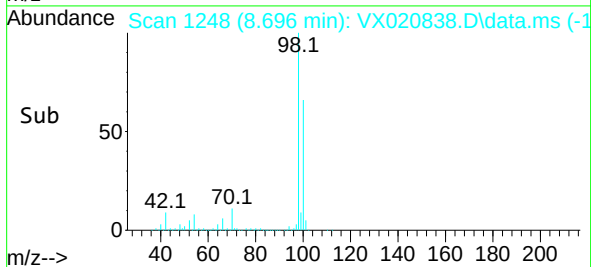
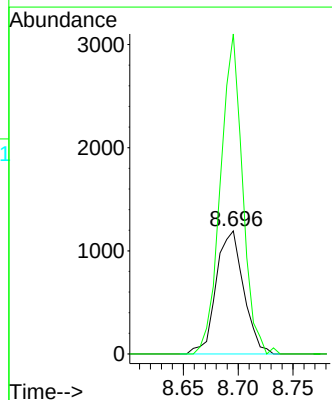
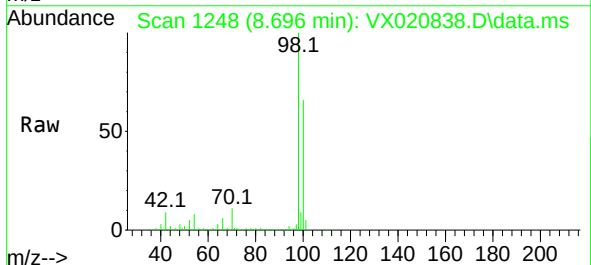
Instrument :  
MSVOA\_X  
ClientSampleId :  
152140-MW-3D(OFFSITE)

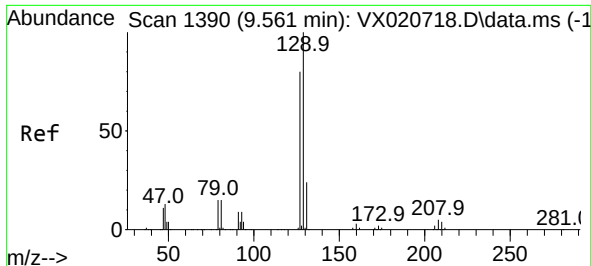
Tgt Ion: 98 Resp: 562865  
Ion Ratio Lower Upper  
98 100  
100 65.8 51.9 77.9



#51  
4-Methyl-2-Pentanone  
Concen: 0.48 ug/l  
RT: 8.696 min Scan# 1248  
Delta R.T. 0.080 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

Tgt Ion: 43 Resp: 2081  
Ion Ratio Lower Upper  
43 100  
58 209.1 35.4 53.0#

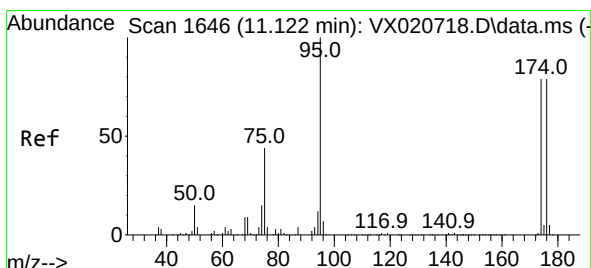
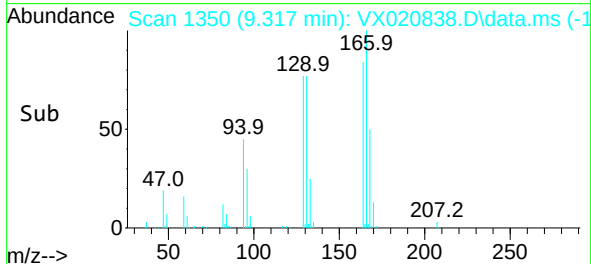
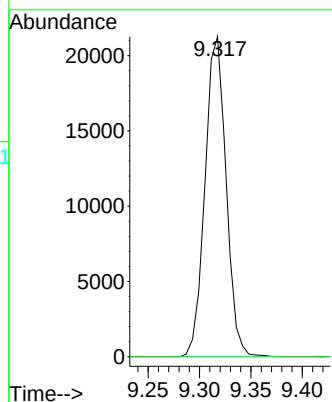
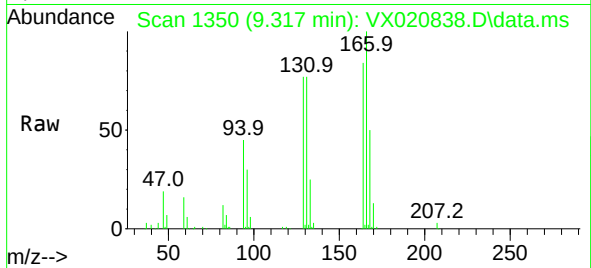




#60  
Dibromochloromethane  
Concen: 7.82 ug/l  
RT: 9.317 min Scan# 1350  
Delta R.T. -0.244 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

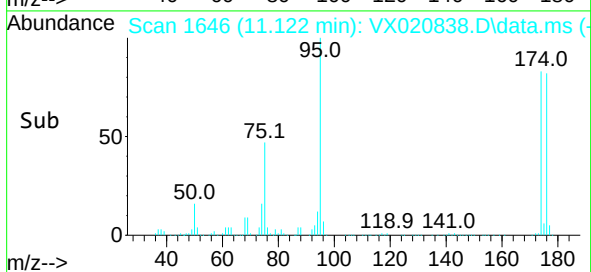
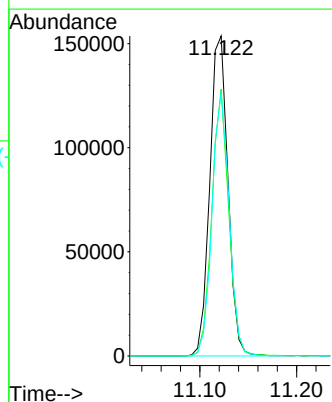
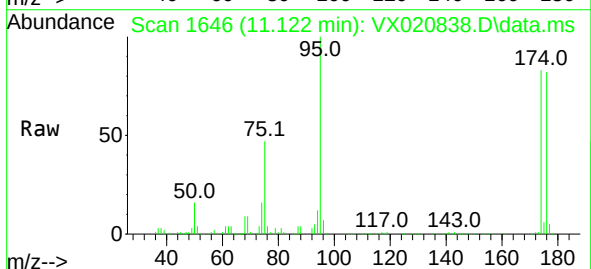
Instrument :  
MSVOA\_X  
ClientSampleId :  
152140-MW-3D(OFFSITE)

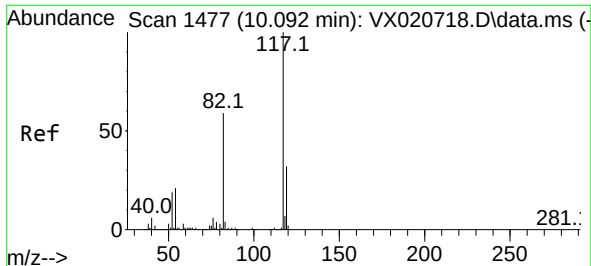
Tgt Ion:129 Resp: 30348  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.4 115.2#



#62  
4-Bromofluorobenzene  
Concen: 45.25 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. 0.000 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

Tgt Ion: 95 Resp: 200851  
Ion Ratio Lower Upper  
95 100  
174 77.8 0.0 154.6  
176 77.8 0.0 155.8

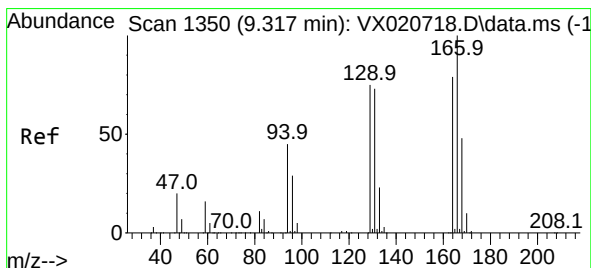
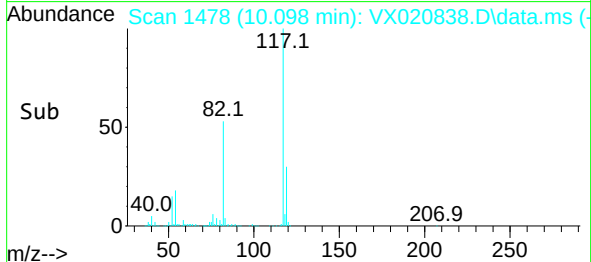
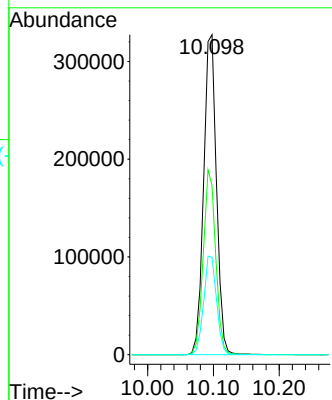
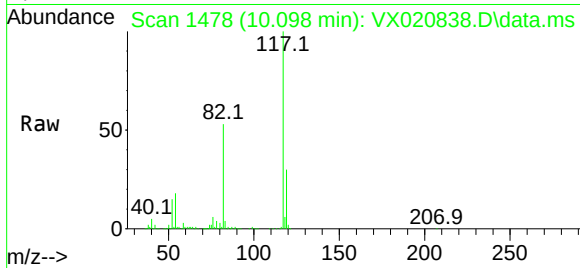




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.098 min Scan# 1478  
Delta R.T. 0.006 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

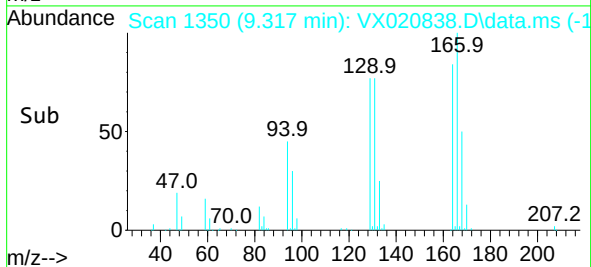
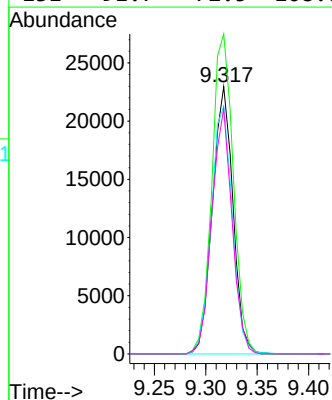
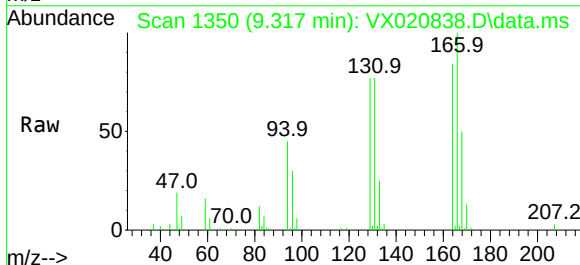
Instrument :  
MSVOA\_X  
ClientSampleId :  
152140-MW-3D(OFFSITE)

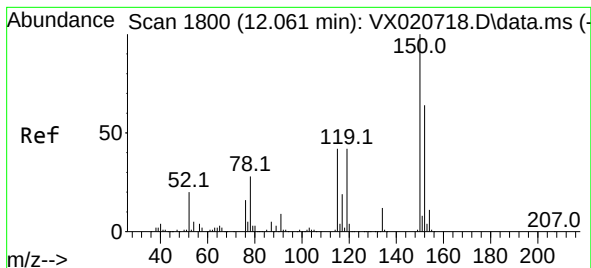
Tgt Ion:117 Resp: 444302  
Ion Ratio Lower Upper  
117 100  
82 52.9 47.4 71.2  
119 30.5 26.6 39.8



#64  
Tetrachloroethene  
Concen: 9.35 ug/l  
RT: 9.317 min Scan# 1350  
Delta R.T. 0.000 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

Tgt Ion:164 Resp: 31850  
Ion Ratio Lower Upper  
164 100  
166 119.7 103.4 155.2  
129 92.6 70.8 106.2  
131 91.7 72.5 108.7

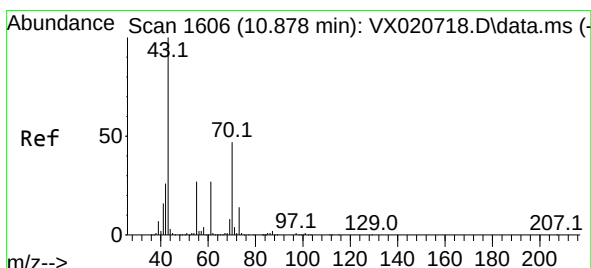
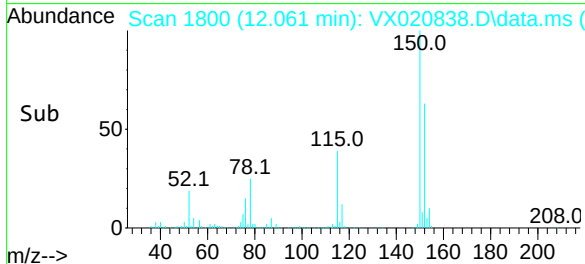
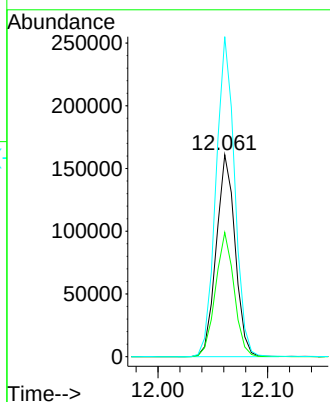
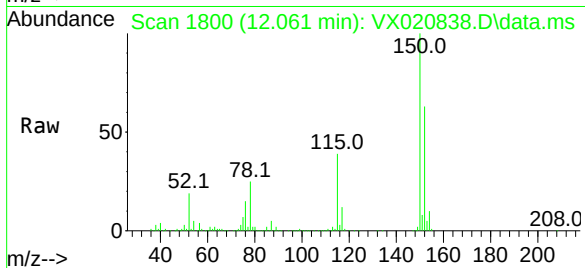




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.061 min Scan# 1800  
Delta R.T. -0.000 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

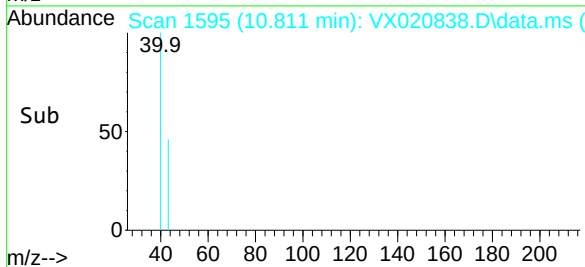
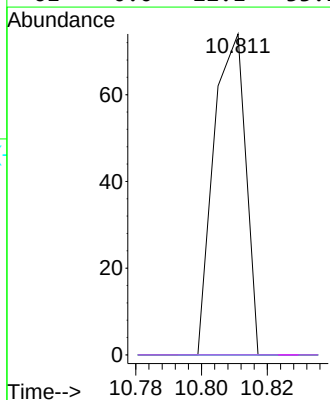
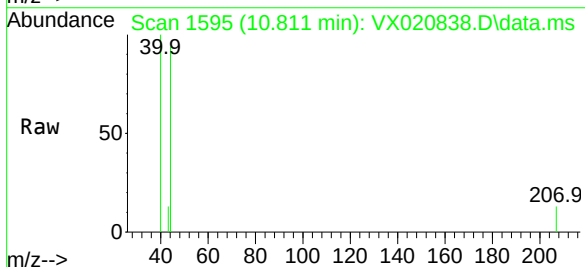
Instrument :  
MSVOA\_X  
ClientSampleId :  
152140-MW-3D(OFFSITE)

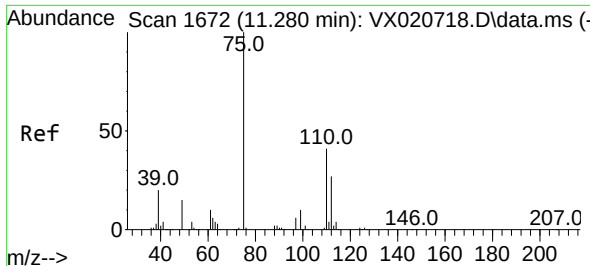
Tgt Ion:152 Resp: 192639  
Ion Ratio Lower Upper  
152 100  
115 60.6 41.1 123.3  
150 157.4 0.0 349.0



#74  
N-ethyl acetate  
Concen: 2.02 ug/l  
RT: 10.811 min Scan# 1595  
Delta R.T. -0.067 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

Tgt Ion: 43 Resp: 50  
Ion Ratio Lower Upper  
43 100  
70 0.0 39.0 58.6#  
55 0.0 21.5 32.3#  
61 0.0 22.1 33.1#

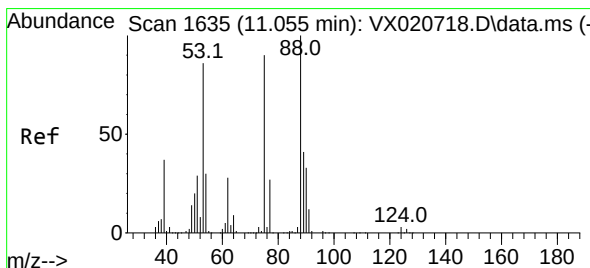
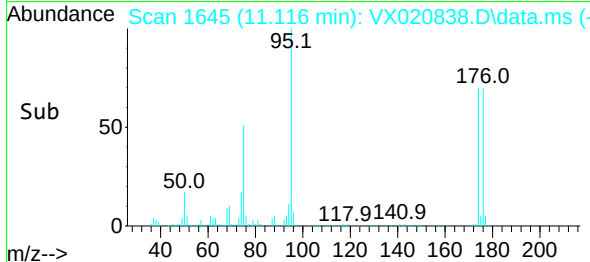
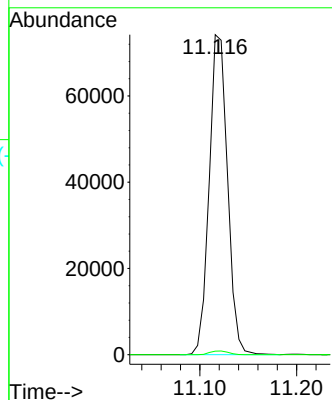
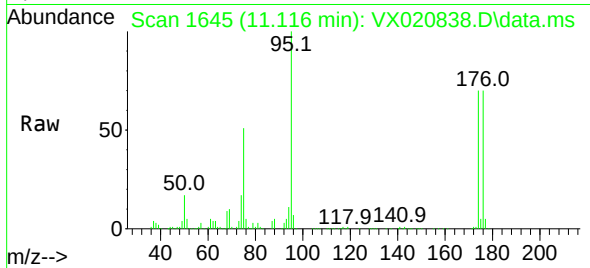




#76  
1,2,3-Trichloropropane  
Concen: 21.90 ug/l  
RT: 11.116 min Scan# 1645  
Delta R.T. -0.164 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

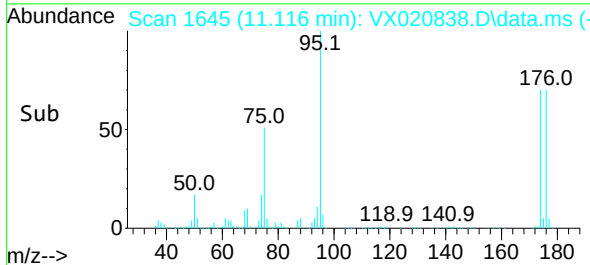
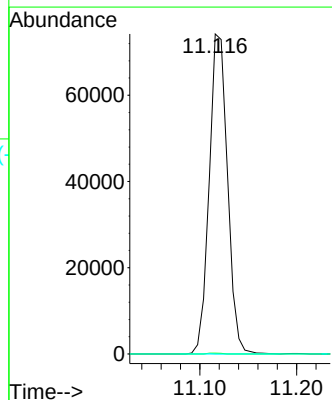
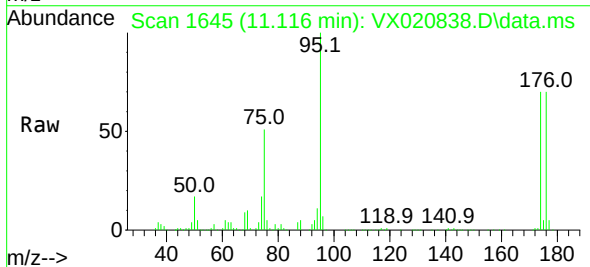
Instrument :  
MSVOA\_X  
ClientSampleId :  
152140-MW-3D(OFFSITE)

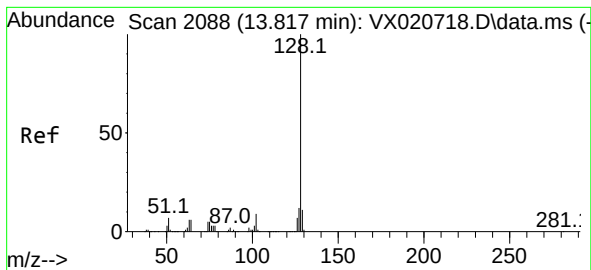
Tgt Ion: 75 Resp: 97851  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 61.37 ug/l  
RT: 11.116 min Scan# 1645  
Delta R.T. 0.061 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

Tgt Ion: 75 Resp: 97851  
Ion Ratio Lower Upper  
75 100  
53 0.2 74.5 111.7#  
89 0.0 37.9 56.9#





#95  
Naphthalene  
Concen: 2.89 ug/l  
RT: 13.817 min Scan# 2088  
Delta R.T. -0.000 min  
Lab File: VX020838.D  
Acq: 03 Feb 2021 14:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
152140-MW-3D(OFFSITE)

Tgt Ion:128 Resp: 199  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

