

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012621\  
 Data File : VX020763.D  
 Acq On : 26 Jan 2021 19:01  
 Operator : JC/SP  
 Sample : M1217-19 50X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jan 27 00:59:10 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

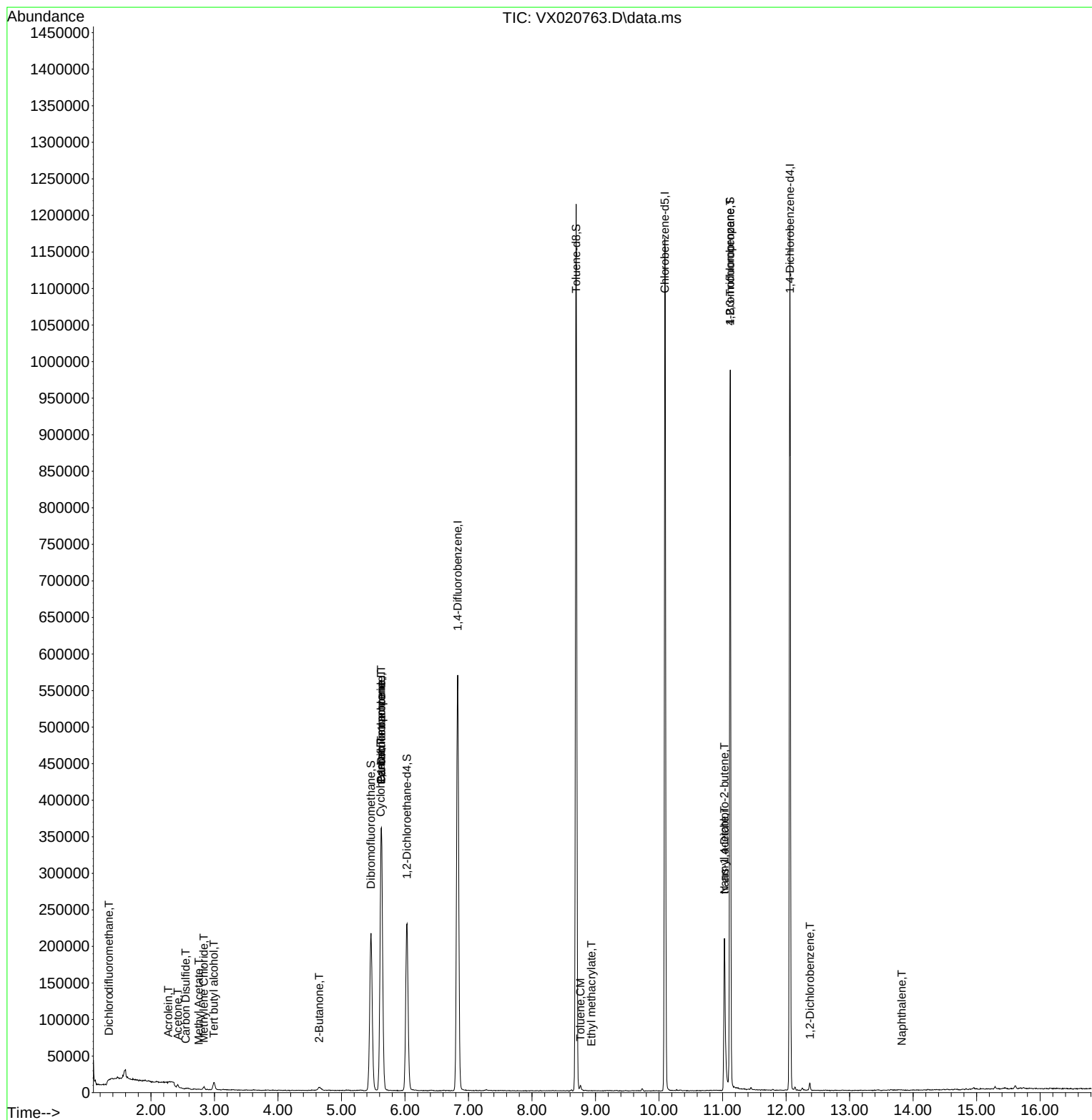
| Compound                      | R.T.           | QIon | Response   | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|--------|--------|----------|
| -----                         |                |      |            |        |        |          |
| Internal Standards            |                |      |            |        |        |          |
| 1) Pentafluorobenzene         | 5.623          | 168  | 341792     | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.830          | 114  | 583092     | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.092         | 117  | 544648     | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.061         | 152  | 244276     | 50.00  | ug/l   | 0.00     |
|                               |                |      |            |        |        |          |
| System Monitoring Compounds   |                |      |            |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.031          | 65   | 219686     | 47.12  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 94.24% |        |          |
| 35) Dibromofluoromethane      | 5.464          | 113  | 185751     | 46.51  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 93.02% |        |          |
| 50) Toluene-d8                | 8.695          | 98   | 719807     | 49.16  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 98.32% |        |          |
| 62) 4-Bromofluorobenzene      | 11.122         | 95   | 275375     | 48.43  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 96.86% |        |          |
|                               |                |      |            |        |        |          |
| Target Compounds              |                |      |            |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.337          | 85   | 96         | 1.22   | ug/l # | 1        |
| 11) Tert butyl alcohol        | 2.989          | 59   | 6022       | 6.92   | ug/l # | 81       |
| 13) Acrolein                  | 2.270          | 56   | 279        | 0.43   | ug/l   | 90       |
| 16) Acetone                   | 2.422          | 43   | 3625       | 2.05   | ug/l # | 87       |
| 17) Carbon Disulfide          | 2.544          | 76   | 459        | 0.94   | ug/l # | 58       |
| 18) Methyl Acetate            | 2.751          | 43   | 1245       | 0.28   | ug/l # | 69       |
| 20) Methylene Chloride        | 2.831          | 84   | 1691       | 0.38   | ug/l # | 86       |
| 25) 2-Butanone                | 4.647          | 43   | 839        | 0.30   | ug/l   | 93       |
| 31) Cyclohexane               | 5.617          | 56   | 7496       | 1.20   | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.623          | 75   | 26172      | 4.47   | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.623          | 117  | 35583      | 5.78   | ug/l # | 16       |
| 52) Toluene                   | 8.762          | 92   | 2189       | 0.20   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 8.933          | 69   | 19         | 2.79   | ug/l # | 1        |
| 74) N-amyl acetate            | 11.030         | 43   | 10165      | 3.33   | ug/l # | 27       |
| 76) 1,2,3-Trichloropropane    | 11.122         | 75   | 132262     | 23.35  | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.030         | 75   | 10899      | 5.39   | ug/l # | 27       |
| 91) 1,2-Dichlorobenzene       | 12.378         | 146  | 3230       | 0.41   | ug/l   | 99       |
| 95) Naphthalene               | 13.823         | 128  | 491        | 2.90   | ug/l # | 69       |
| -----                         |                |      |            |        |        |          |

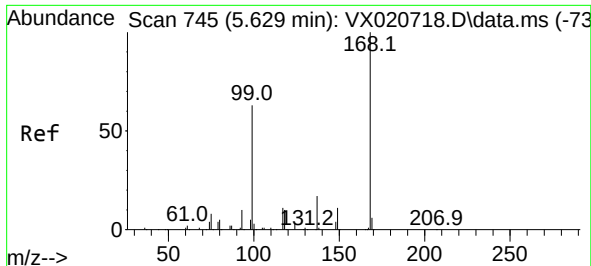
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012621\  
Data File : VX020763.D  
Acq On : 26 Jan 2021 19:01  
Operator : JC/SP  
Sample : M1217-19 50X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jan 27 00:59:10 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

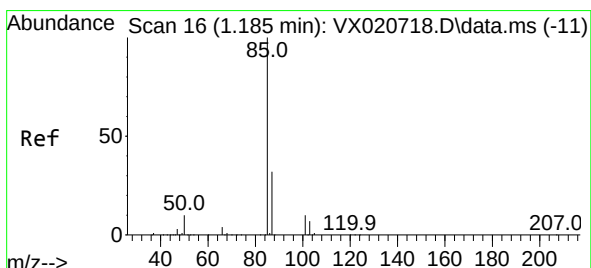
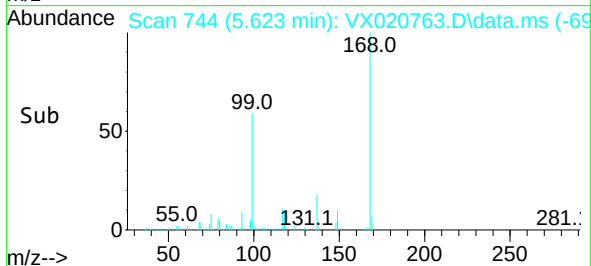
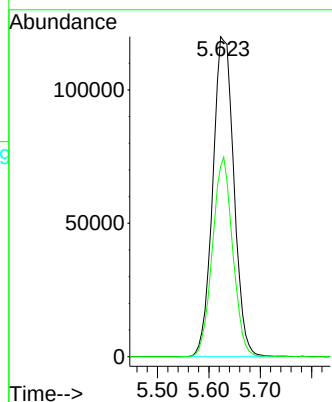
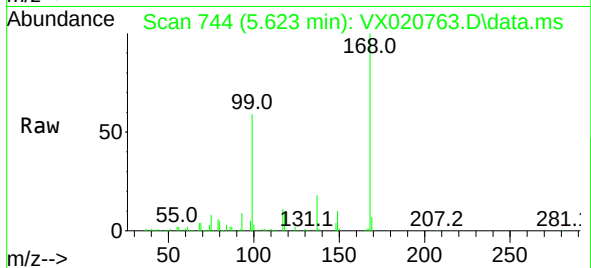




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. -0.006 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

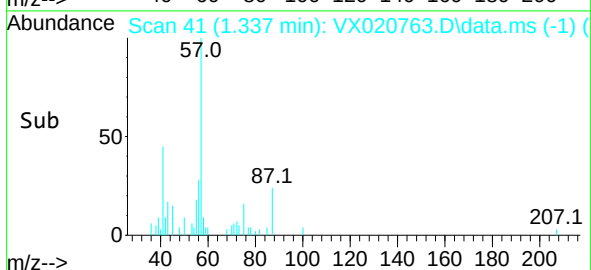
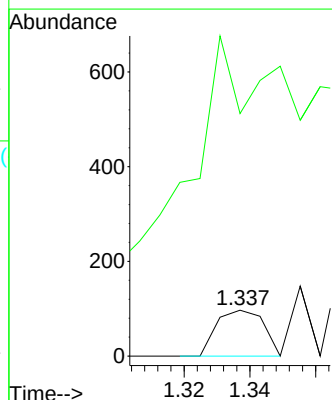
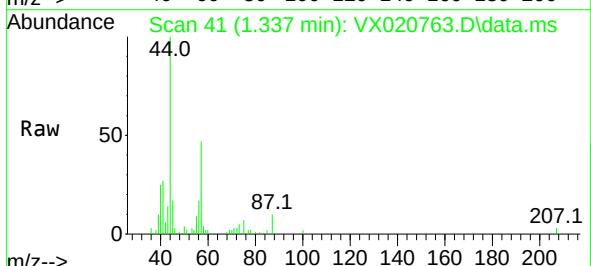
Instrument :  
MSVOA\_X  
ClientSampleId :

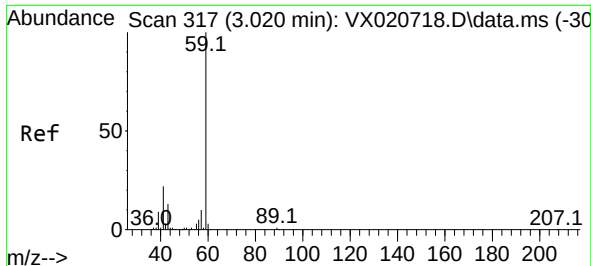
Tgt Ion:168 Resp: 341792  
Ion Ratio Lower Upper  
168 100  
99 59.5 45.8 68.6



#2  
Dichlorodifluoromethane  
Concen: 1.22 ug/l  
RT: 1.337 min Scan# 41  
Delta R.T. 0.152 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

Tgt Ion: 85 Resp: 96  
Ion Ratio Lower Upper  
85 100  
87 149.5 16.4 49.2#



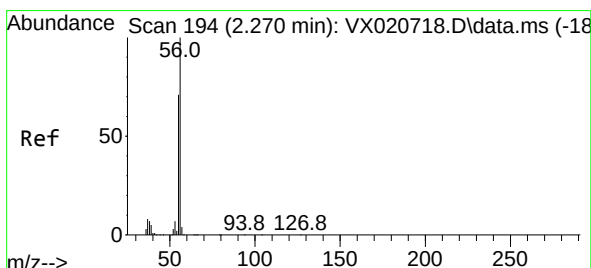
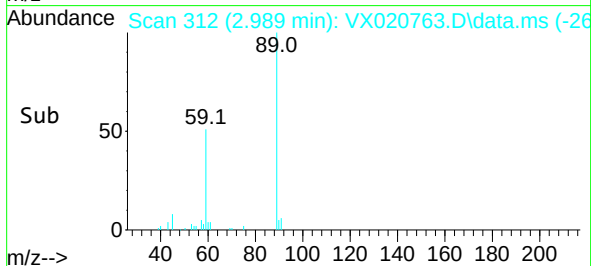
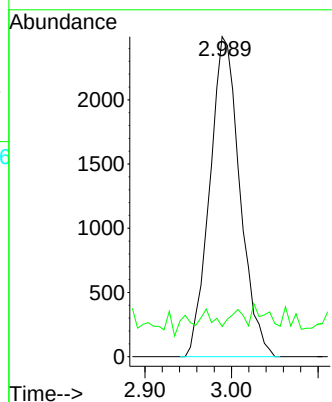
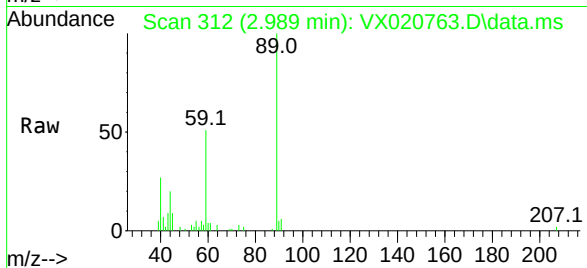


#11

Tert butyl alcohol  
Concen: 6.92 ug/l  
RT: 2.989 min Scan# 312  
Delta R.T. -0.031 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

Instrument :  
MSVOA\_X  
ClientSampled :

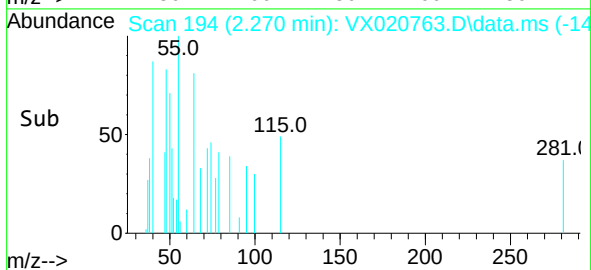
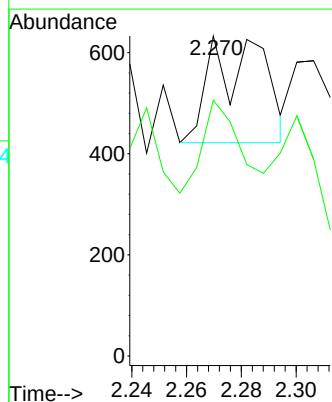
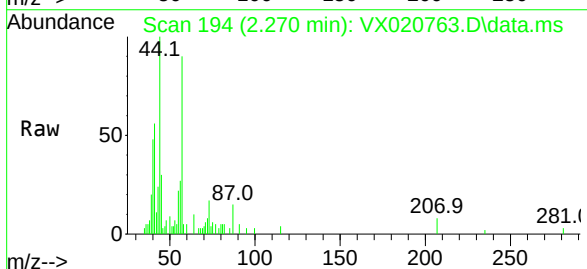
Tgt Ion: 59 Resp: 6022  
Ion Ratio Lower Upper  
59 100  
57 2.9 7.8 11.8#

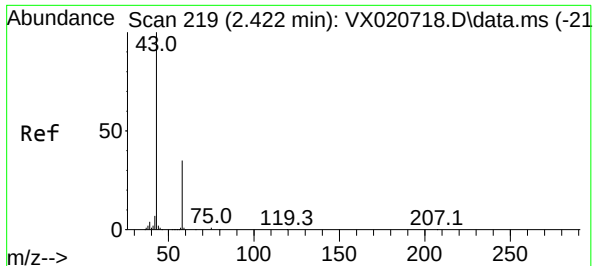


#13

Acrolein  
Concen: 0.43 ug/l  
RT: 2.270 min Scan# 194  
Delta R.T. -0.000 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

Tgt Ion: 56 Resp: 279  
Ion Ratio Lower Upper  
56 100  
55 62.0 56.4 84.6

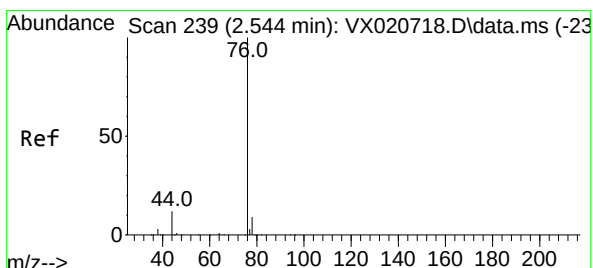
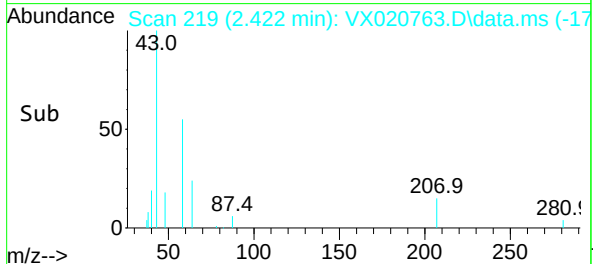
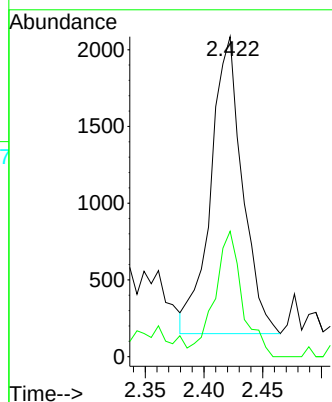
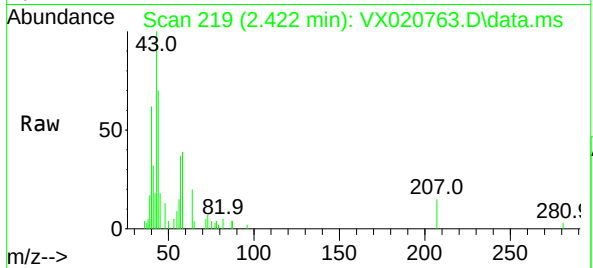




#16  
Acetone  
Concen: 2.05 ug/l  
RT: 2.422 min Scan# 219  
Delta R.T. 0.000 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

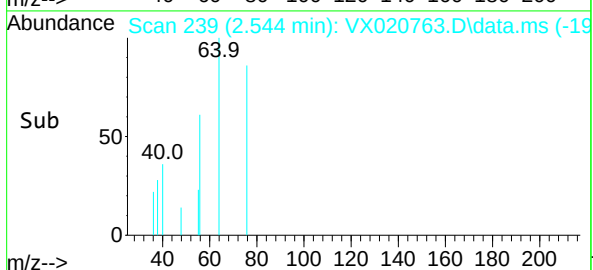
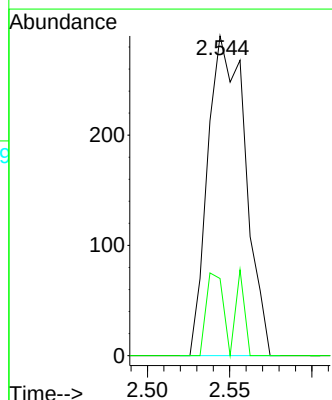
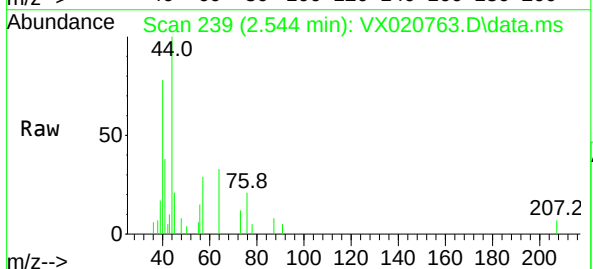
Instrument :  
MSVOA\_X  
ClientSampled :

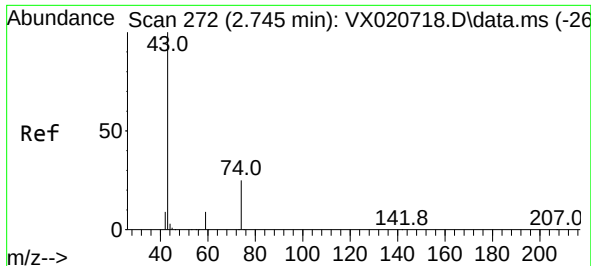
Tgt Ion: 43 Resp: 3625  
Ion Ratio Lower Upper  
43 100  
58 42.2 27.8 41.8#



#17  
Carbon Disulfide  
Concen: 0.94 ug/l  
RT: 2.544 min Scan# 239  
Delta R.T. 0.000 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

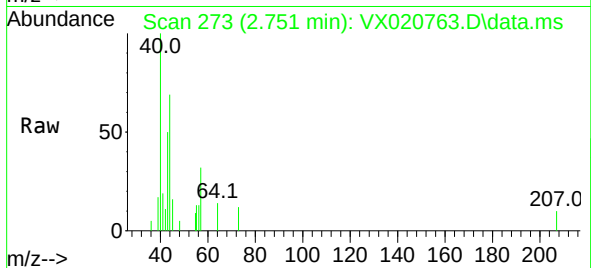
Tgt Ion: 76 Resp: 459  
Ion Ratio Lower Upper  
76 100  
78 24.1 7.2 10.8#



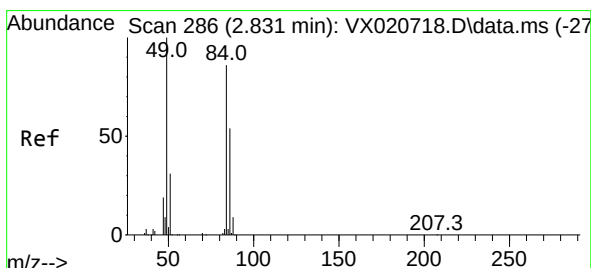
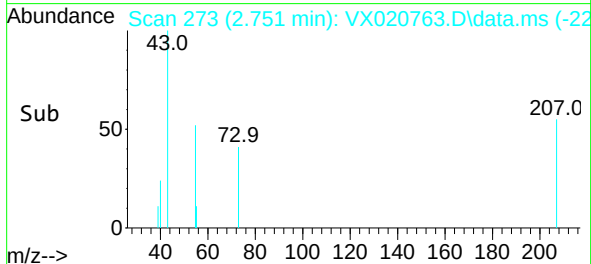
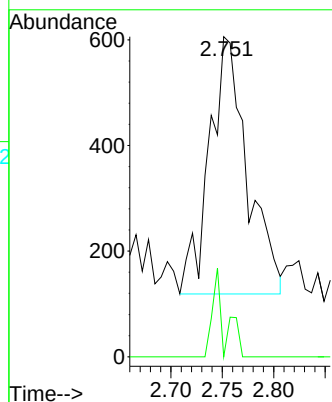


#18  
Methyl Acetate  
Concen: 0.28 ug/l  
RT: 2.751 min Scan# 273  
Delta R.T. 0.006 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

Instrument :  
MSVOA\_X  
ClientSampled :

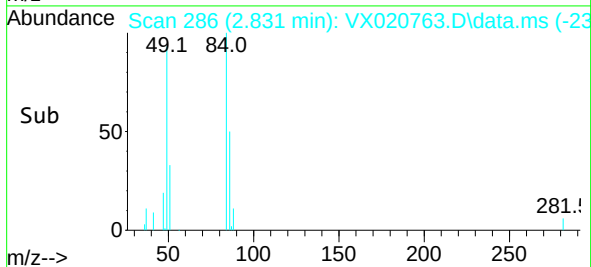
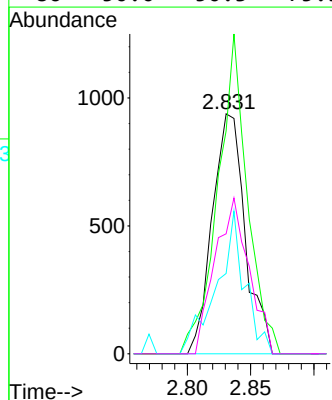
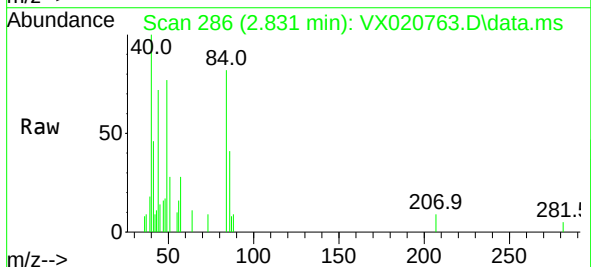


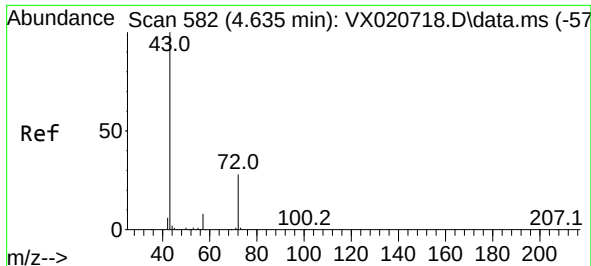
Tgt Ion: 43 Resp: 1245  
Ion Ratio Lower Upper  
43 100  
74 11.4 21.9 32.9#



#20  
Methylene Chloride  
Concen: 0.38 ug/l  
RT: 2.831 min Scan# 286  
Delta R.T. -0.000 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

Tgt Ion: 84 Resp: 1691  
Ion Ratio Lower Upper  
84 100  
49 92.9 88.6 132.8  
51 33.5 27.0 40.6  
86 50.0 50.3 75.5#

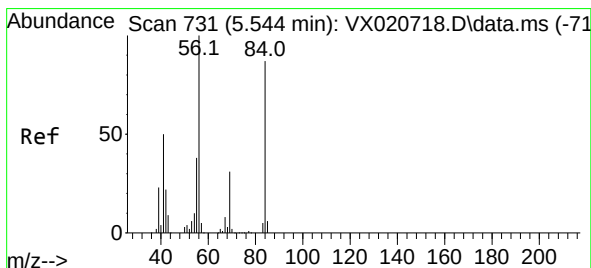
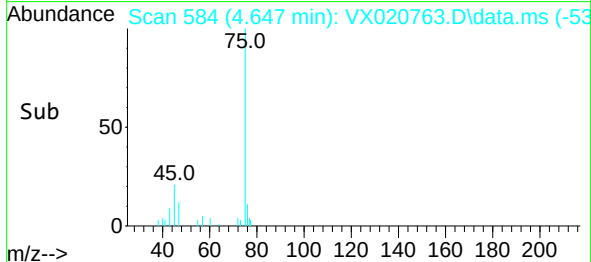
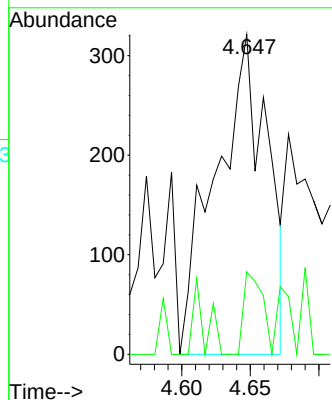
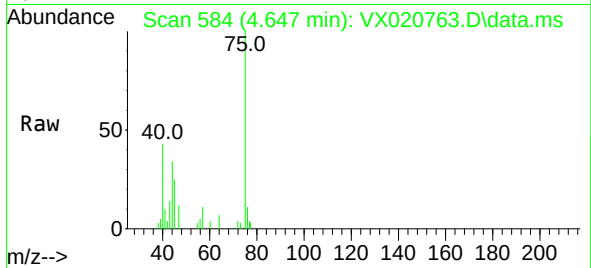




#25  
2-Butanone  
Concen: 0.30 ug/l  
RT: 4.647 min Scan# 584  
Delta R.T. 0.012 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

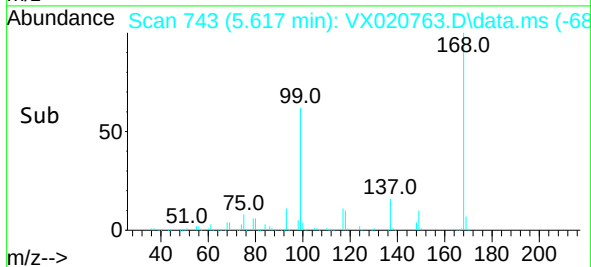
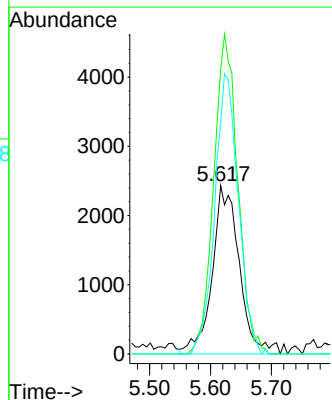
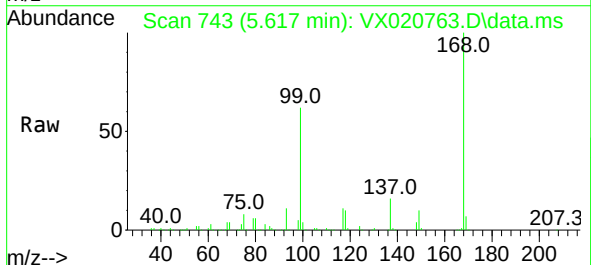
Instrument :  
MSVOA\_X  
ClientSampled :

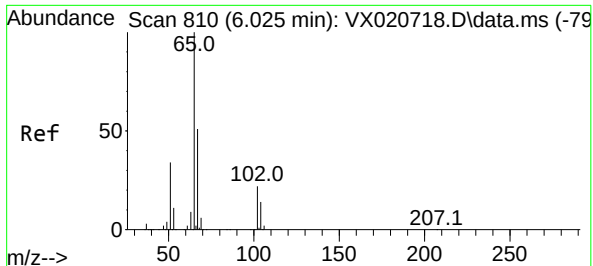
Tgt Ion: 43 Resp: 839  
Ion Ratio Lower Upper  
43 100  
72 25.9 23.7 35.5



#31  
Cyclohexane  
Concen: 1.20 ug/l  
RT: 5.617 min Scan# 743  
Delta R.T. 0.073 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

Tgt Ion: 56 Resp: 7496  
Ion Ratio Lower Upper  
56 100  
69 169.3 25.3 37.9#  
84 137.4 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 47.12 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020763.D

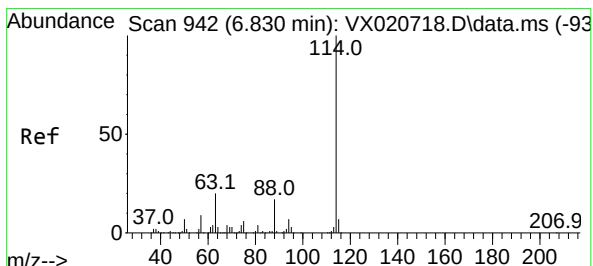
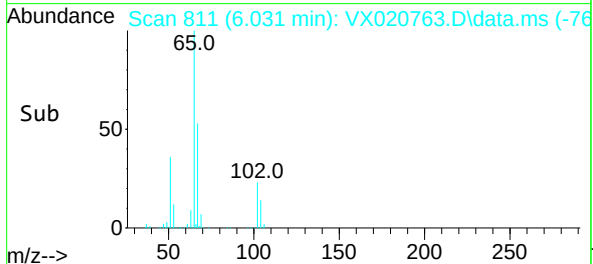
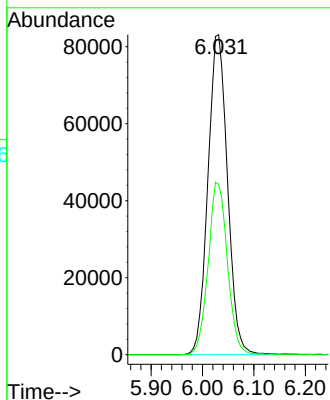
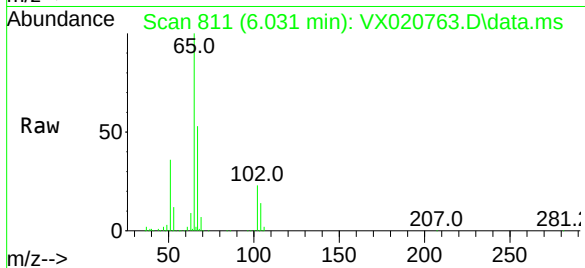
Acq: 26 Jan 2021 19:01

Tgt Ion: 65 Resp: 219686

Ion Ratio Lower Upper

65 100

67 53.0 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: VX020763.D

Acq: 26 Jan 2021 19:01

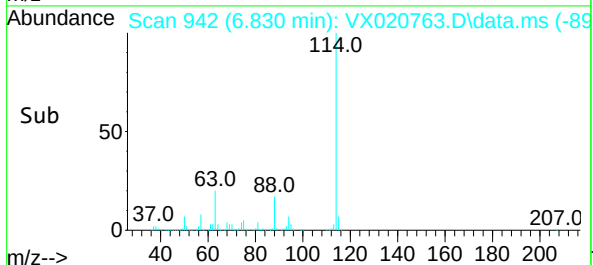
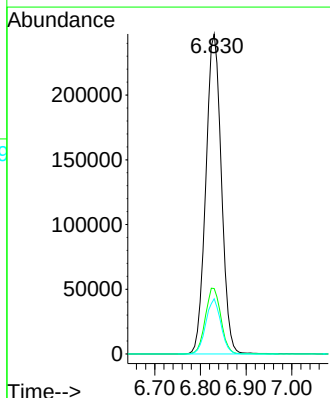
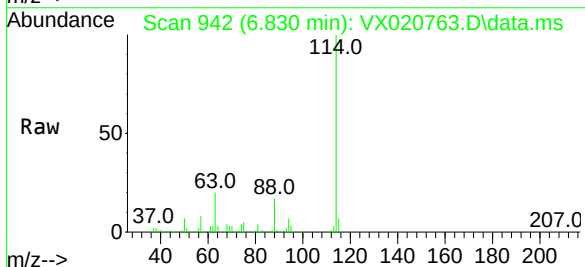
Tgt Ion: 114 Resp: 583092

Ion Ratio Lower Upper

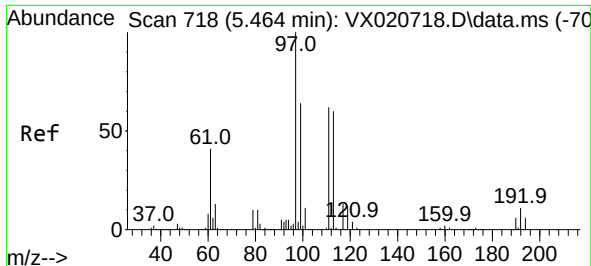
114 100

63 20.4 0.0 40.8

88 17.2 0.0 32.8

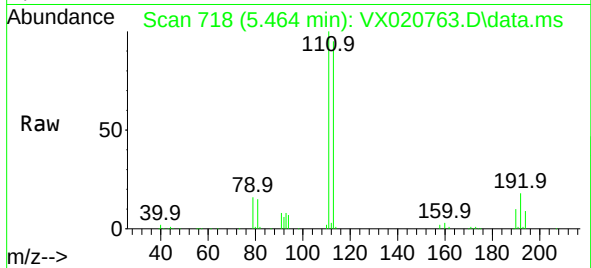




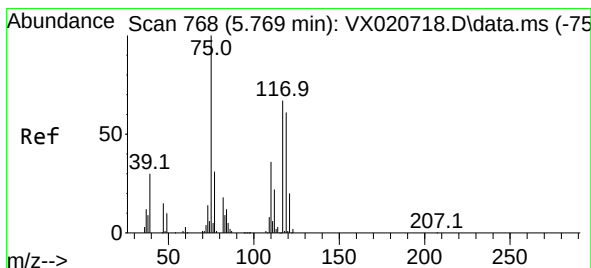
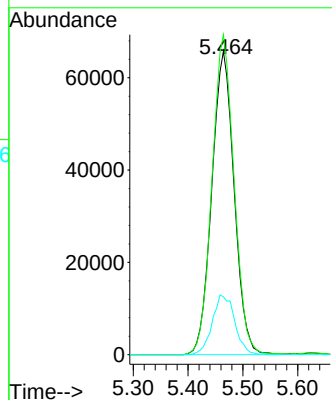
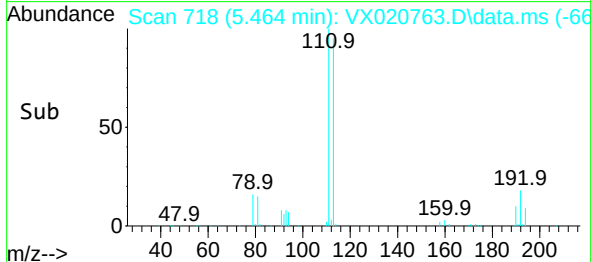


#35  
Dibromofluoromethane  
Concen: 46.51 ug/l  
RT: 5.464 min Scan# 718  
Delta R.T. 0.000 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

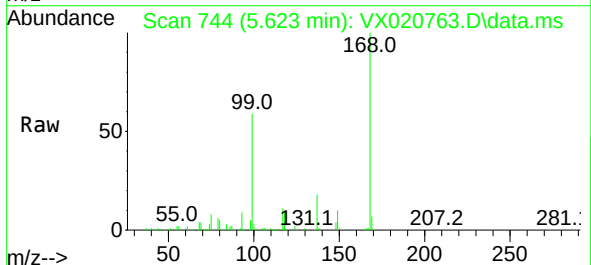
Instrument :  
MSVOA\_X  
ClientSampled :



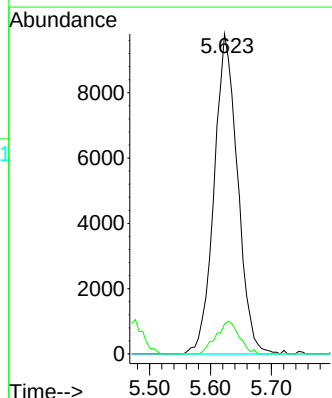
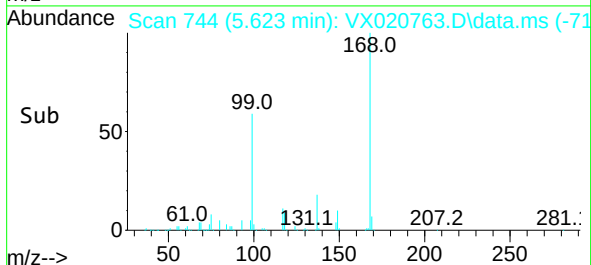
Tgt Ion:113 Resp: 185751  
Ion Ratio Lower Upper  
113 100  
111 104.2 81.9 122.9  
192 19.8 16.7 25.1

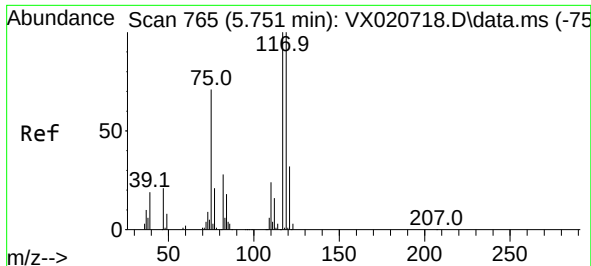


#36  
1,1-Dichloropropene  
Concen: 4.47 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. -0.146 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01



Tgt Ion: 75 Resp: 26172  
Ion Ratio Lower Upper  
75 100  
110 10.1 18.1 54.4#  
77 0.0 25.3 37.9#

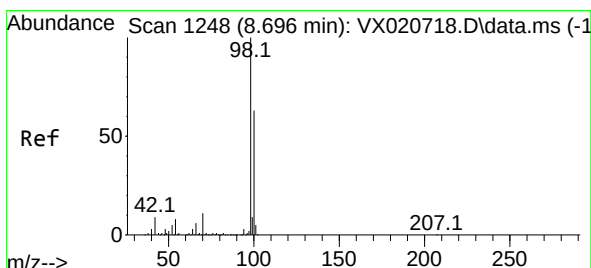
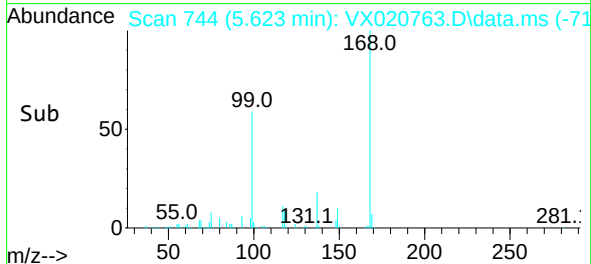
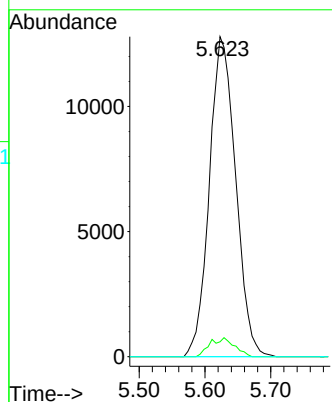
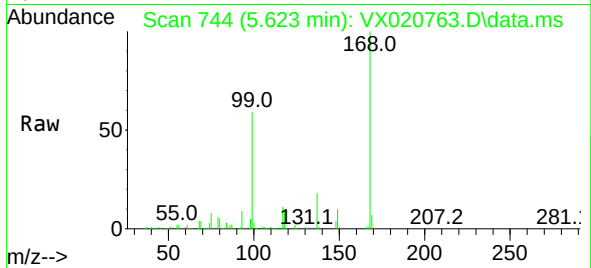




#38  
Carbon Tetrachloride  
Concen: 5.78 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. -0.128 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

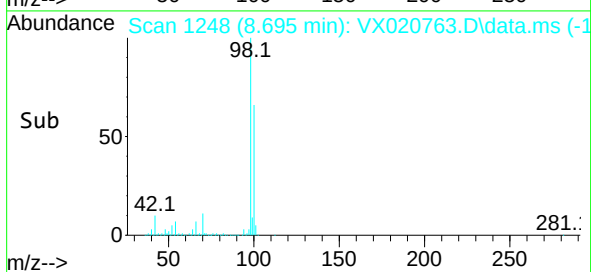
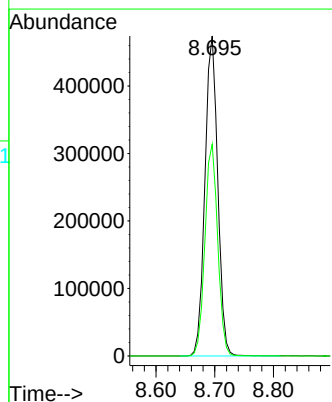
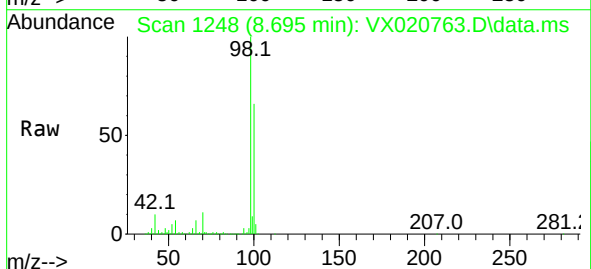
Instrument :  
MSVOA\_X  
ClientSampled :

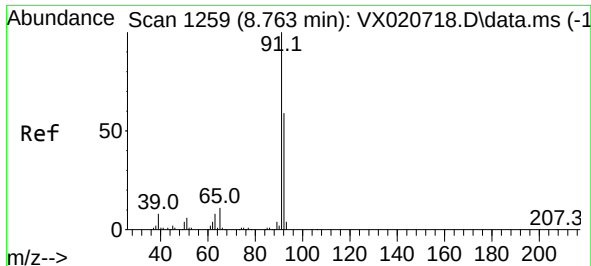
Tgt Ion:117 Resp: 35583  
Ion Ratio Lower Upper  
117 100  
119 4.7 76.2 114.2#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 49.16 ug/l  
RT: 8.695 min Scan# 1248  
Delta R.T. -0.001 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

Tgt Ion: 98 Resp: 719807  
Ion Ratio Lower Upper  
98 100  
100 66.0 51.9 77.9

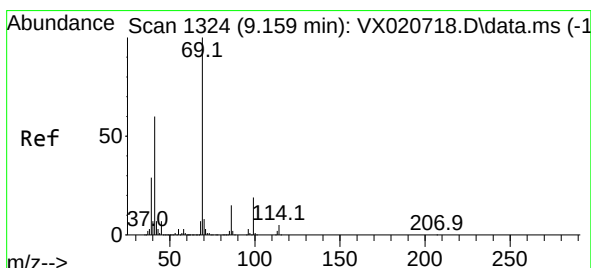
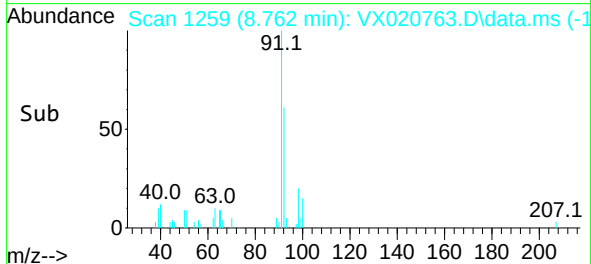
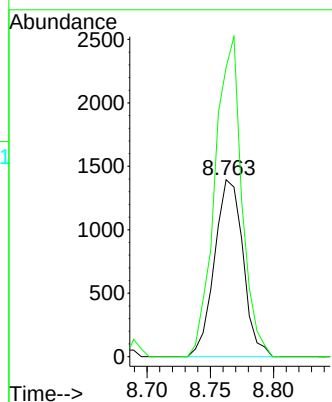
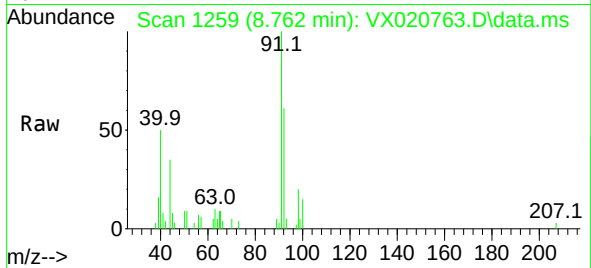




#52  
Toluene  
Concen: 0.20 ug/l  
RT: 8.762 min Scan# 1259  
Delta R.T. -0.001 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

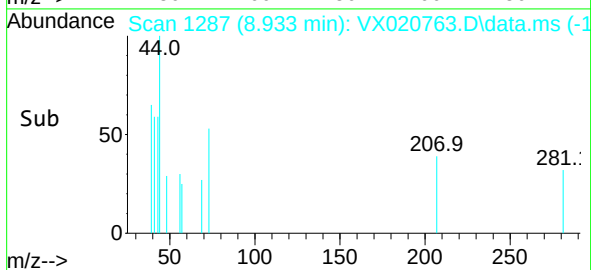
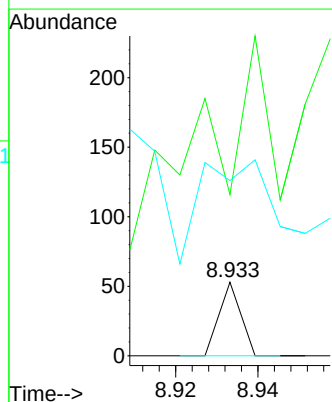
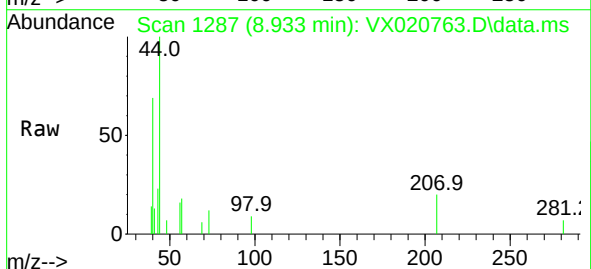
Instrument :  
MSVOA\_X  
ClientSampled :

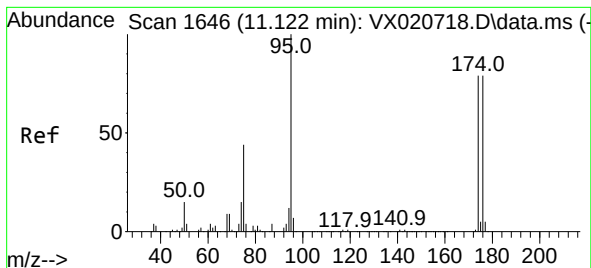
Tgt Ion: 92 Resp: 2189  
Ion Ratio Lower Upper  
92 100  
91 169.9 137.1 205.7



#56  
Ethyl methacrylate  
Concen: 2.79 ug/l  
RT: 8.933 min Scan# 1287  
Delta R.T. -0.226 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

Tgt Ion: 69 Resp: 19  
Ion Ratio Lower Upper  
69 100  
41 226.3 46.8 70.2#  
39 568.4 24.7 37.1#

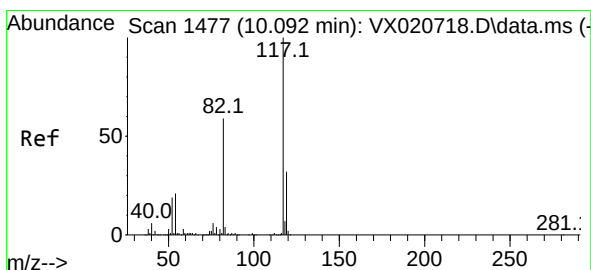
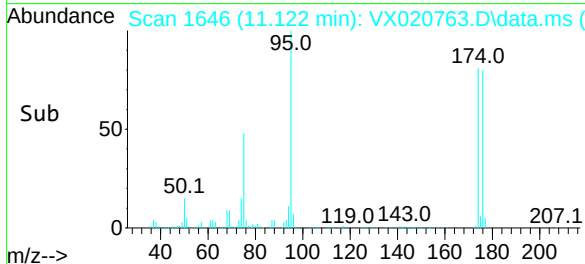
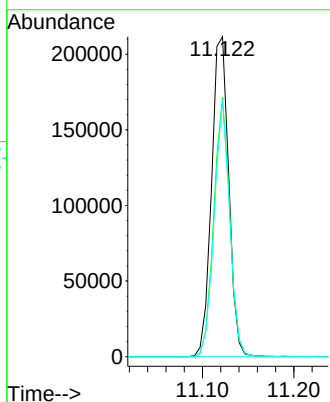
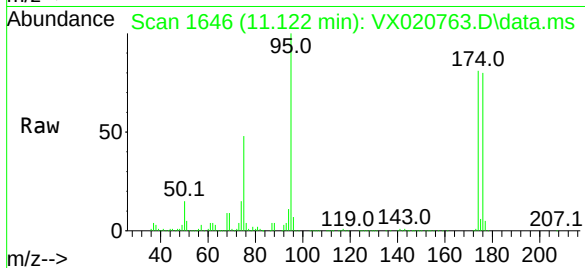




#62  
4-Bromofluorobenzene  
Concen: 48.43 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. -0.000 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

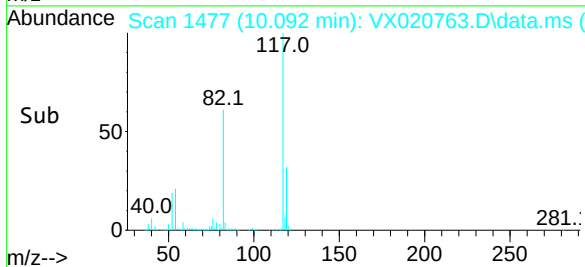
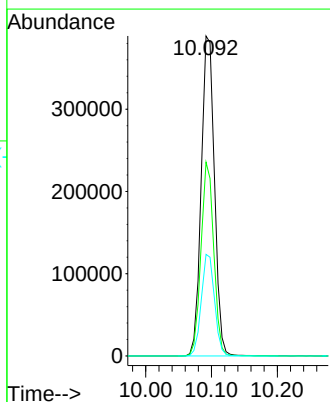
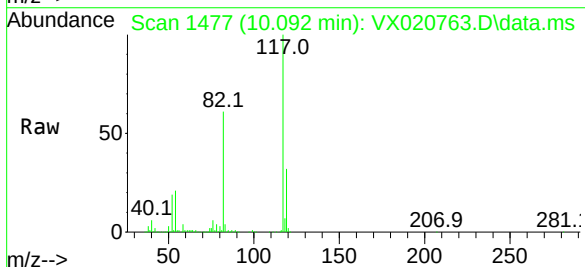
Instrument :  
MSVOA\_X  
ClientSampleId :

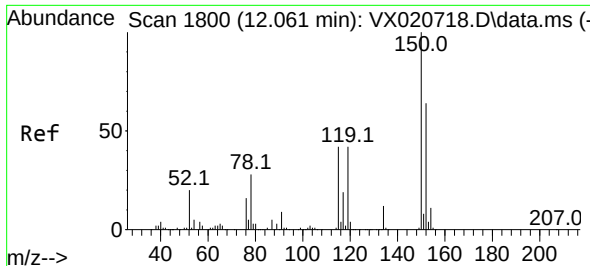
Tgt Ion: 95 Resp: 275375  
Ion Ratio Lower Upper  
95 100  
174 75.3 0.0 154.6  
176 73.0 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.092 min Scan# 1477  
Delta R.T. -0.000 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

Tgt Ion: 117 Resp: 544648  
Ion Ratio Lower Upper  
117 100  
82 60.5 47.4 71.2  
119 31.7 26.6 39.8

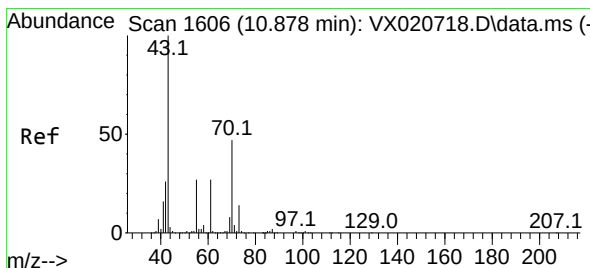
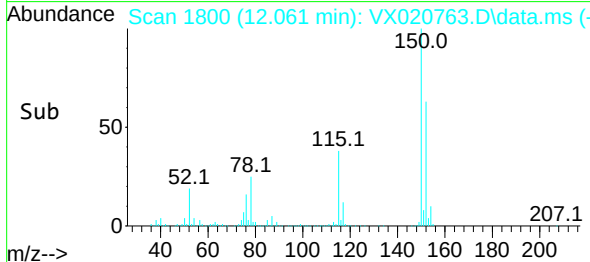
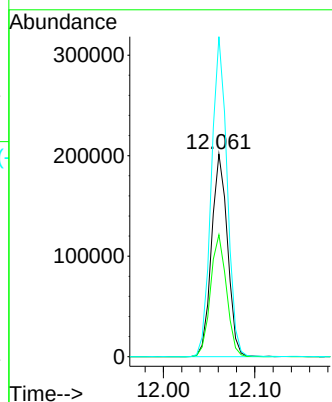
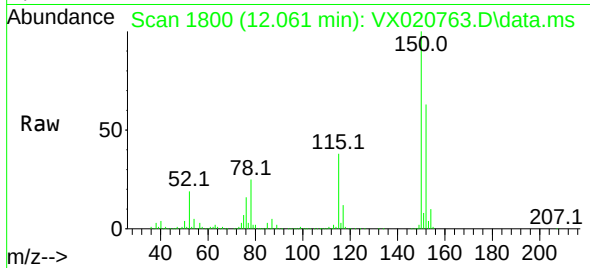




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.061 min Scan# 1800  
Delta R.T. -0.000 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

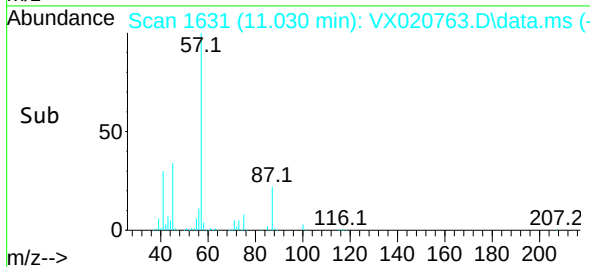
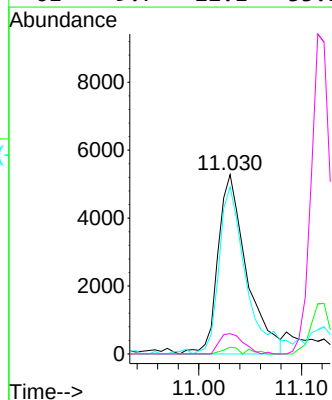
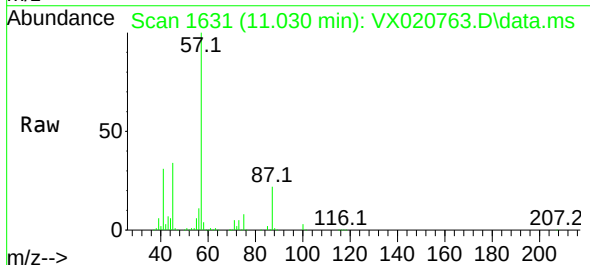
Instrument :  
MSVOA\_X  
ClientSampleId :

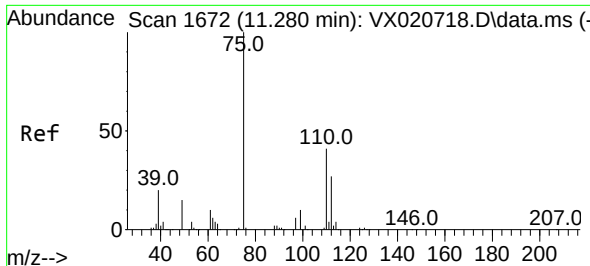
Tgt Ion:152 Resp: 244276  
Ion Ratio Lower Upper  
152 100  
115 60.1 41.1 123.3  
150 155.8 0.0 349.0



#74  
N-ethyl acetate  
Concen: 3.33 ug/l  
RT: 11.030 min Scan# 1631  
Delta R.T. 0.152 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

Tgt Ion: 43 Resp: 10165  
Ion Ratio Lower Upper  
43 100  
70 1.9 39.0 58.6#  
55 89.0 21.5 32.3#  
61 9.7 22.1 33.1#

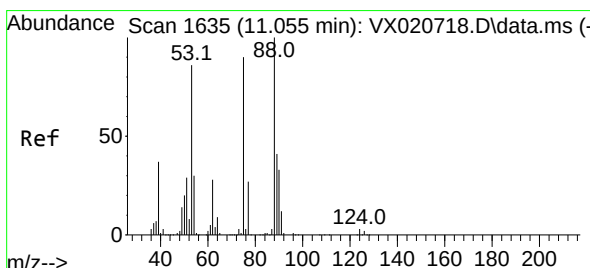
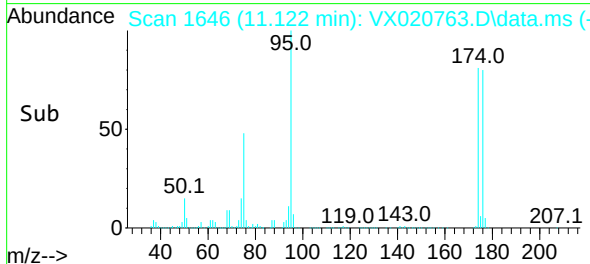
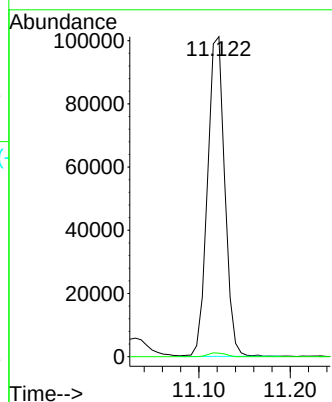
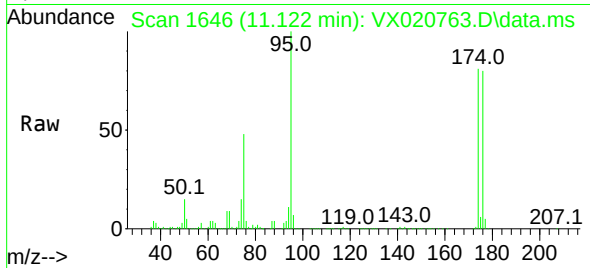




#76  
1,2,3-Trichloropropane  
Concen: 23.35 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. -0.158 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

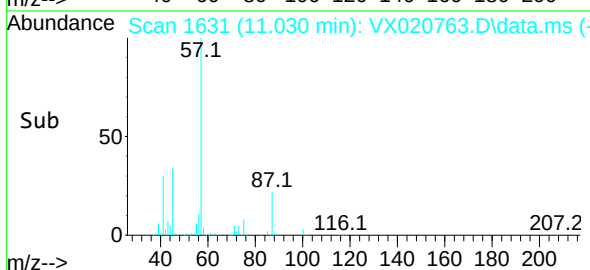
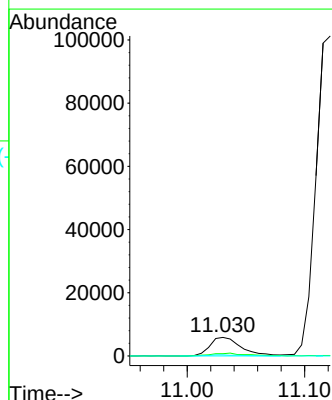
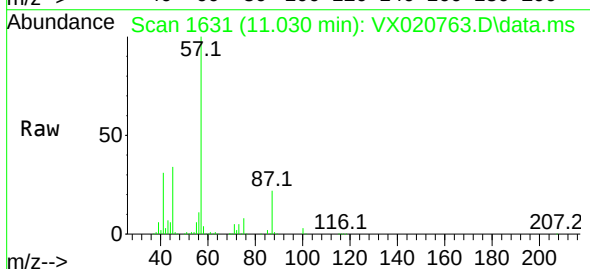
Instrument :  
MSVOA\_X  
ClientSampled :

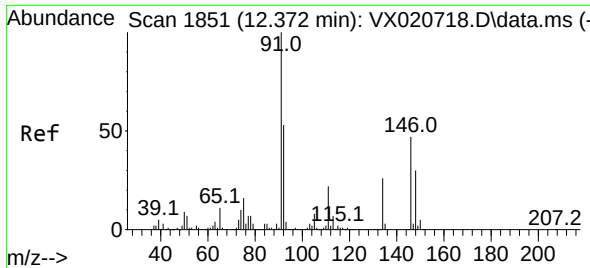
Tgt Ion: 75 Resp: 132262  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 5.39 ug/l  
RT: 11.030 min Scan# 1631  
Delta R.T. -0.025 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

Tgt Ion: 75 Resp: 10899  
Ion Ratio Lower Upper  
75 100  
53 17.0 74.5 111.7#  
89 6.1 37.9 56.9#

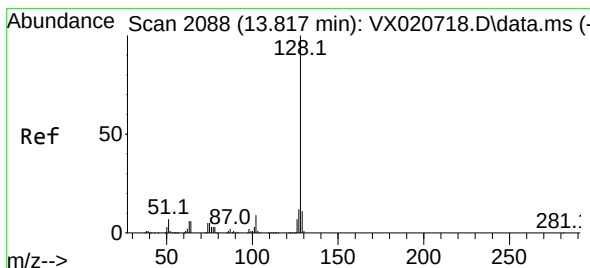
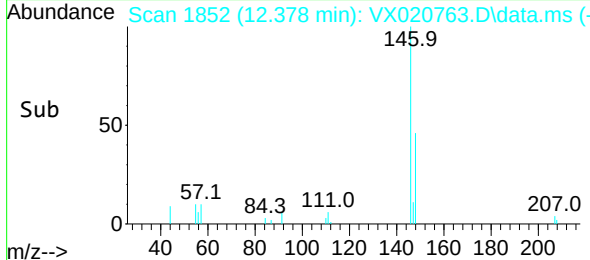
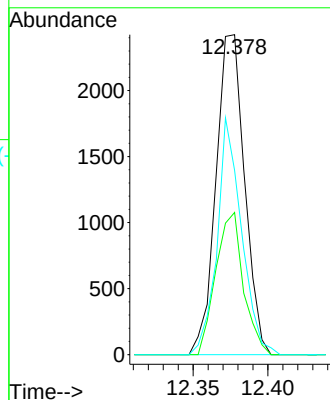
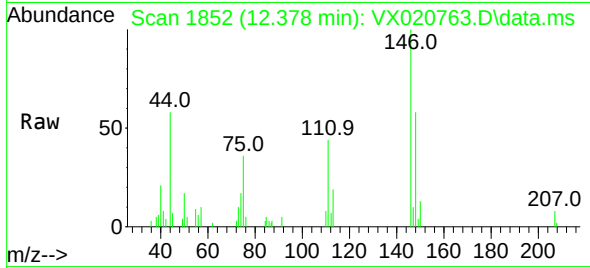




#91  
1,2-Dichlorobenzene  
Concen: 0.41 ug/l  
RT: 12.378 min Scan# 1852  
Delta R.T. 0.006 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion:146 Resp: 3230  
Ion Ratio Lower Upper  
146 100  
111 42.8 20.8 62.2  
148 62.9 31.9 95.5



#95  
Naphthalene  
Concen: 2.90 ug/l  
RT: 13.823 min Scan# 2089  
Delta R.T. 0.006 min  
Lab File: VX020763.D  
Acq: 26 Jan 2021 19:01

Tgt Ion:128 Resp: 491  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

