

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051821\  
 Data File : VX022045.D  
 Acq On : 17 May 2021 20:31  
 Operator : JC/MD  
 Sample : M2411-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB-RW8-GW-743-745

Quant Time: May 18 02:23:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050721W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat May 08 05:38:18 2021  
 Response via : Initial Calibration

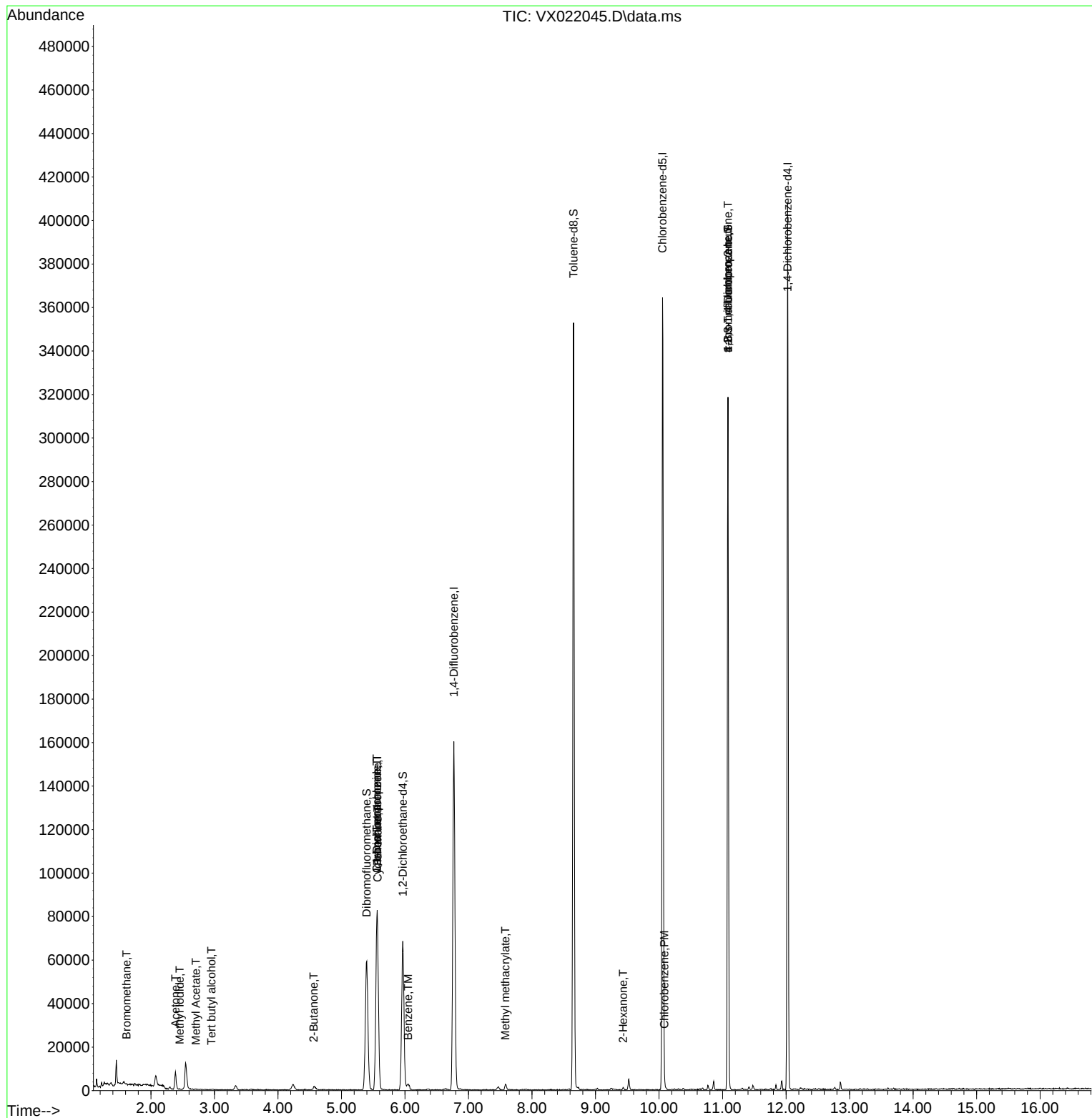
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 5.562          | 168  | 70754      | 50.00     | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 159245     | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 164843     | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 75845      | 50.00     | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964          | 65   | 58914      | 50.59     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 101.18%   |        |          |
| 35) Dibromofluoromethane      | 5.397          | 113  | 50213      | 46.01     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 92.02%    |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 201543     | 48.39     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 96.78%    |        |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 88146      | 53.63     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 107.26%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
| 5) Bromomethane               | 1.618          | 94   | 111        | 0.24      | ug/l   | 96       |
| 10) Methyl Iodide             | 2.453          | 142  | 264        | 0.25      | ug/l # | 52       |
| 11) Tert butyl alcohol        | 2.953          | 59   | 332        | 1.07      | ug/l # | 73       |
| 13) Acrolein                  | 2.178          | 56   | 23         | Below Cal | #      | 1        |
| 16) Acetone                   | 2.386          | 43   | 7966       | 15.25     | ug/l   | 93       |
| 18) Methyl Acetate            | 2.709          | 43   | 399        | 0.28      | ug/l # | 47       |
| 25) 2-Butanone                | 4.562          | 43   | 2305       | 2.56      | ug/l # | 89       |
| 31) Cyclohexane               | 5.568          | 56   | 2110       | 1.37      | ug/l # | 64       |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 6433       | 3.81      | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 8543       | 5.06      | ug/l # | 14       |
| 40) Benzene                   | 6.050          | 78   | 3622       | 0.71      | ug/l # | 84       |
| 48) Methyl methacrylate       | 7.580          | 41   | 844        | 0.53      | ug/l # | 38       |
| 59) 2-Hexanone                | 9.433          | 43   | 750        | 0.45      | ug/l   | 77       |
| 65) Chlorobenzene             | 10.086         | 112  | 1388       | 0.36      | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 44929      | 20.84     | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 44929      | 48.33     | ug/l # | 12       |
| -----                         |                |      |            |           |        |          |

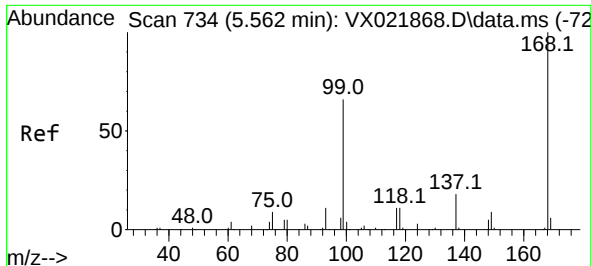
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051821\  
Data File : VX022045.D  
Acq On : 17 May 2021 20:31  
Operator : JC/MD  
Sample : M2411-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW8-GW-743-745

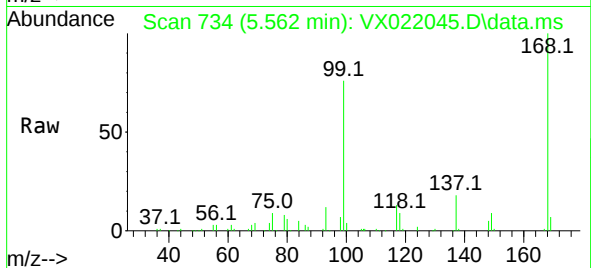
Quant Time: May 18 02:23:09 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050721W.M  
Quant Title : SW846 8260  
QLast Update : Sat May 08 05:38:18 2021  
Response via : Initial Calibration



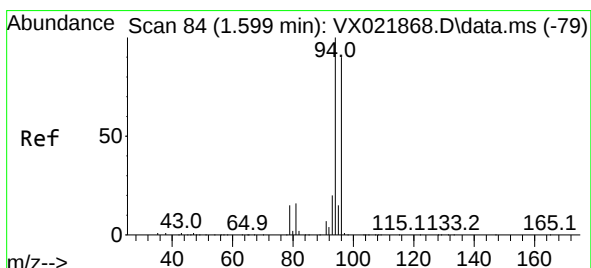
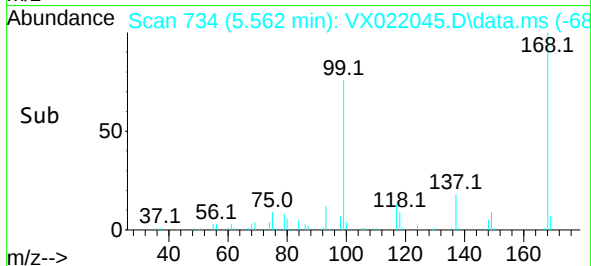
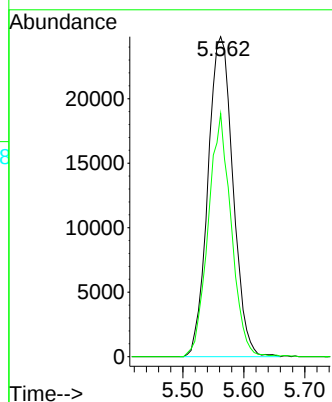


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.000 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW8-GW-743-745

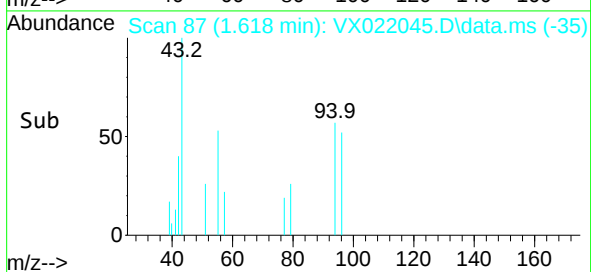
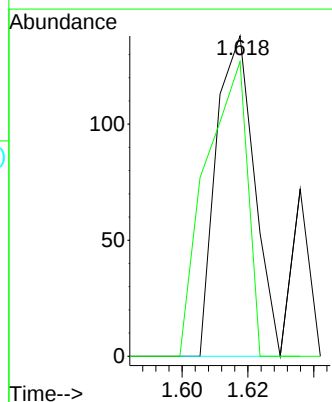
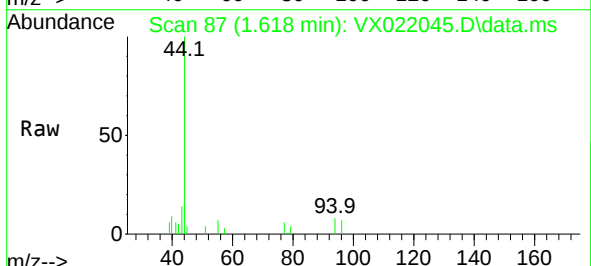


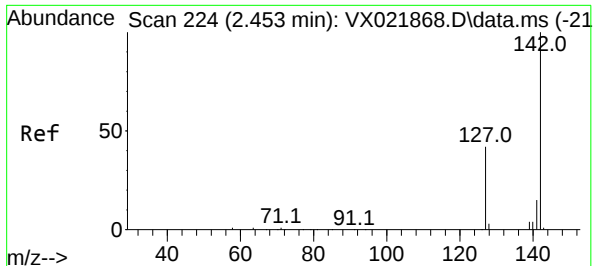
Tgt Ion: 168 Resp: 70754  
Ion Ratio Lower Upper  
168 100  
99 76.0 45.8 68.6#



#5  
Bromomethane  
Concen: 0.24 ug/l  
RT: 1.618 min Scan# 87  
Delta R.T. 0.019 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

Tgt Ion: 94 Resp: 111  
Ion Ratio Lower Upper  
94 100  
96 92.0 76.4 114.6

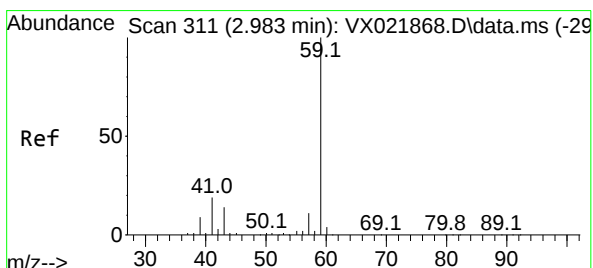
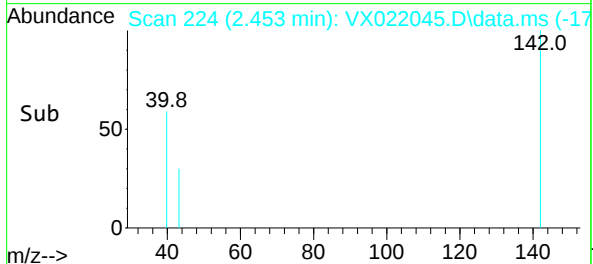
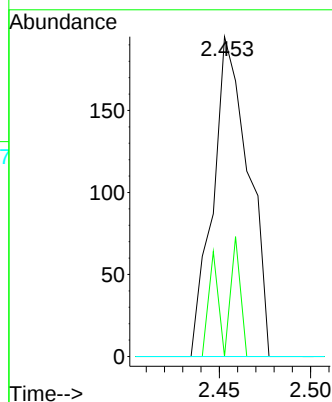
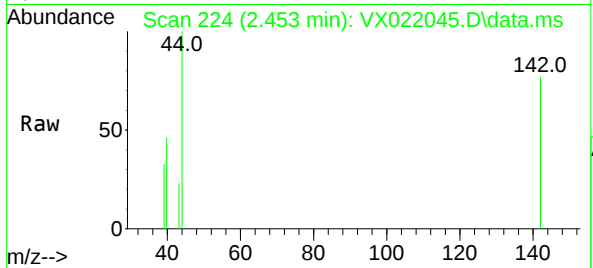




#10  
Methyl Iodide  
Concen: 0.25 ug/l  
RT: 2.453 min Scan# 224  
Delta R.T. -0.000 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

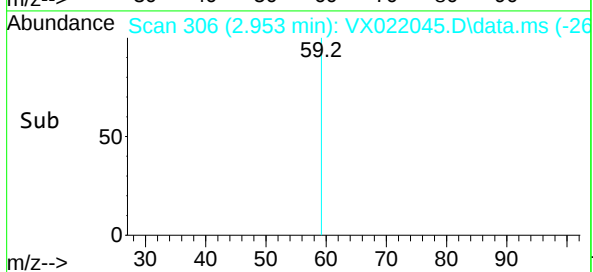
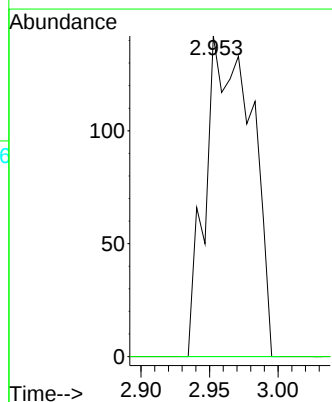
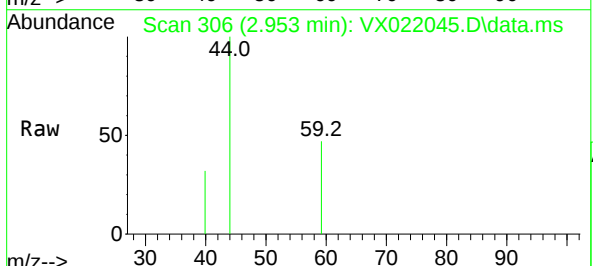
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW8-GW-743-745

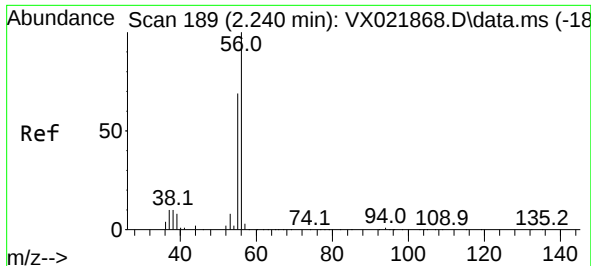
Tgt Ion:142 Resp: 264  
Ion Ratio Lower Upper  
142 100  
127 8.7 33.3 49.9#  
141 0.0 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: 1.07 ug/l  
RT: 2.953 min Scan# 306  
Delta R.T. -0.030 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

Tgt Ion: 59 Resp: 332  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

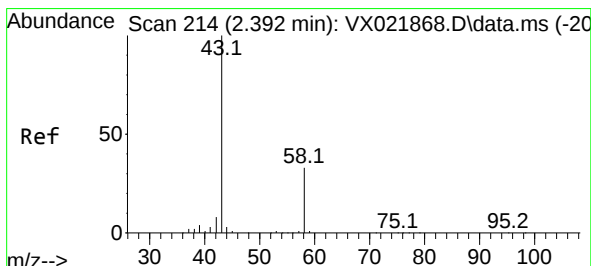
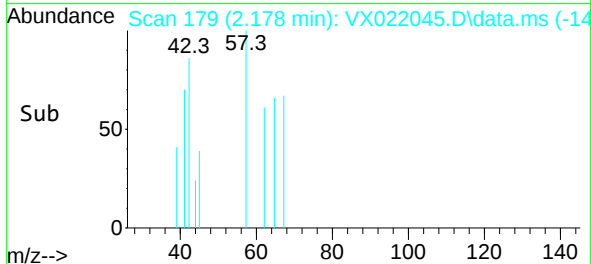
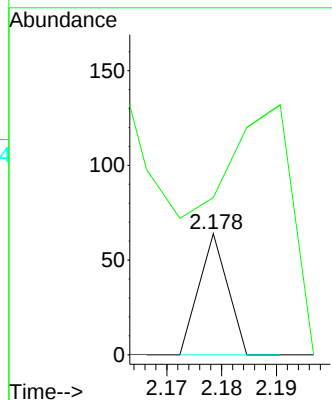
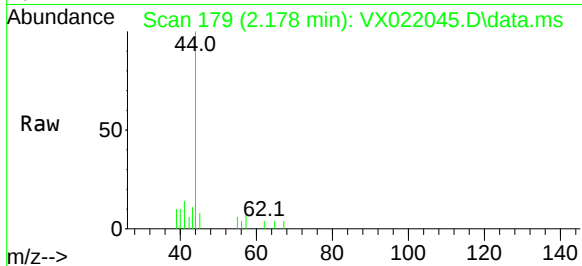




#13  
Acrolein  
Concen: Below Cal  
RT: 2.178 min Scan# 179  
Delta R.T. -0.062 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

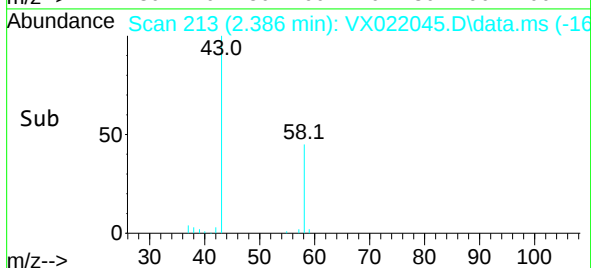
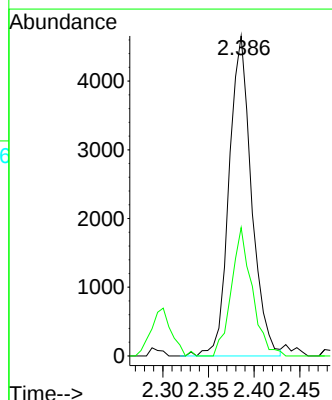
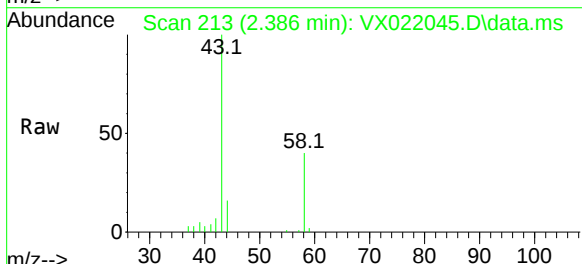
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW8-GW-743-745

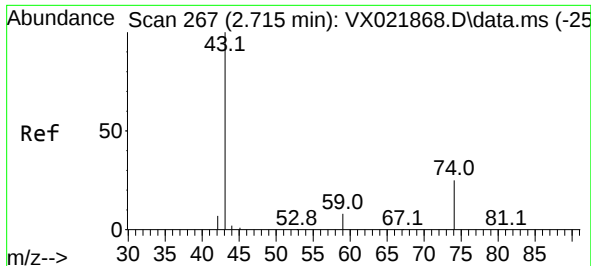
Tgt Ion: 56 Resp: 23  
Ion Ratio Lower Upper  
56 100  
55 534.8 56.4 84.6#



#16  
Acetone  
Concen: 15.25 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

Tgt Ion: 43 Resp: 7966  
Ion Ratio Lower Upper  
43 100  
58 38.6 27.8 41.8

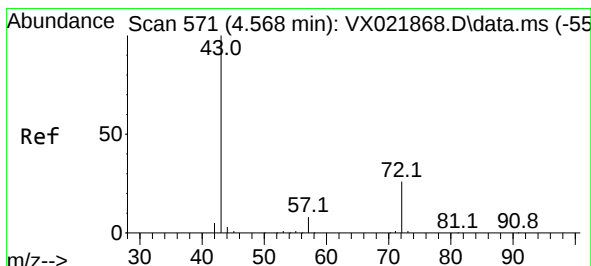
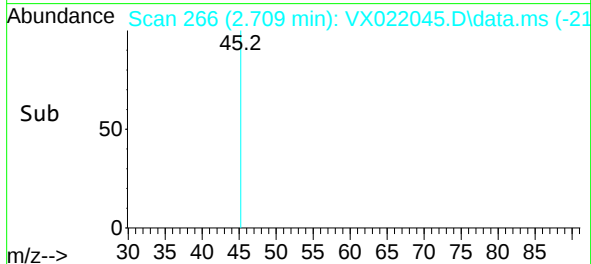
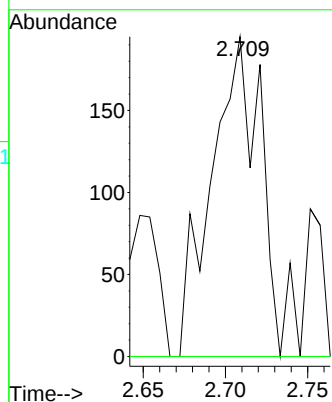
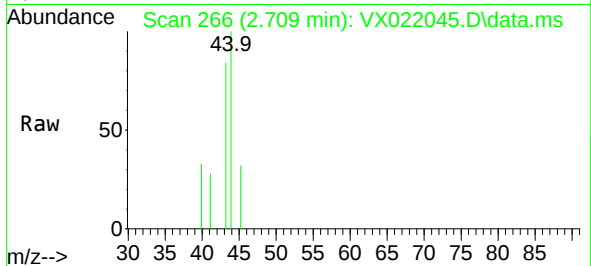




#18  
Methyl Acetate  
Concen: 0.28 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. -0.006 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

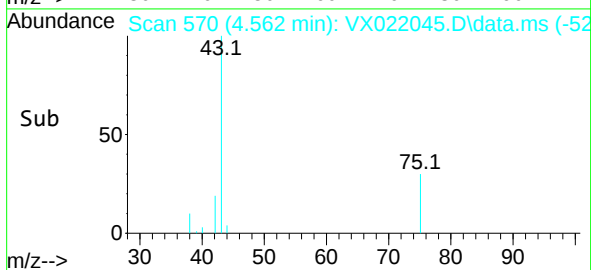
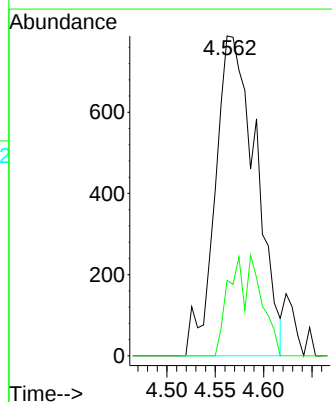
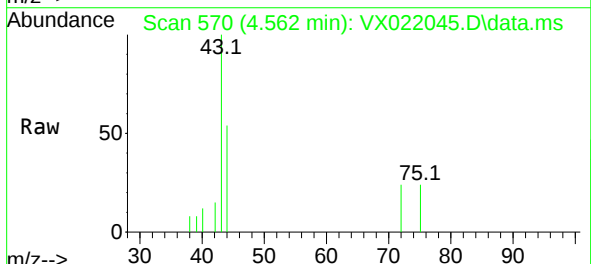
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW8-GW-743-745

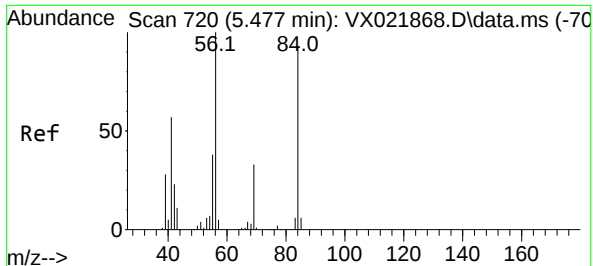
Tgt Ion: 43 Resp: 399  
Ion Ratio Lower Upper  
43 100  
74 0.0 21.9 32.9#



#25  
2-Butanone  
Concen: 2.56 ug/l  
RT: 4.562 min Scan# 570  
Delta R.T. -0.006 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

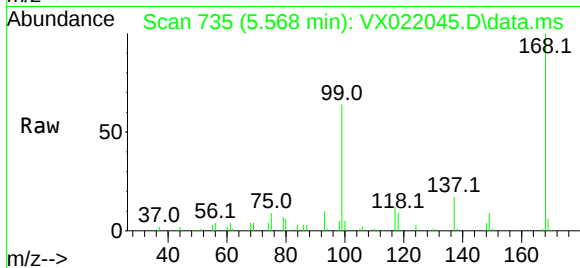
Tgt Ion: 43 Resp: 2305  
Ion Ratio Lower Upper  
43 100  
72 23.6 23.7 35.5#



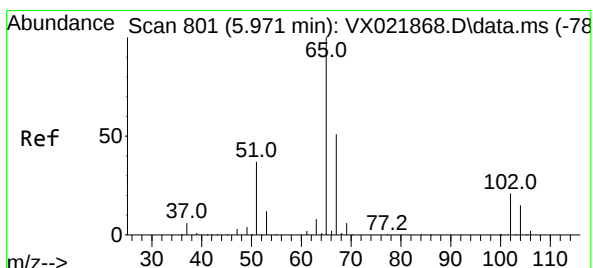
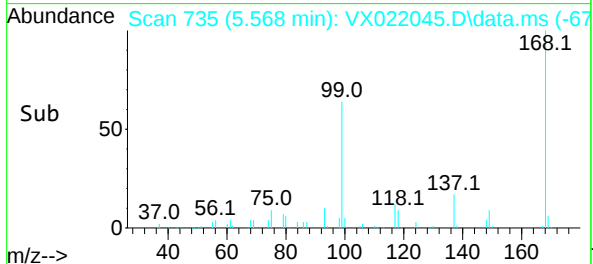
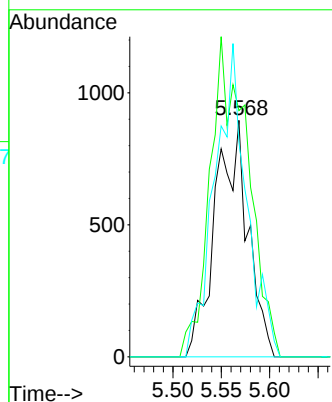


#31  
Cyclohexane  
Concen: 1.37 ug/l  
RT: 5.568 min Scan# 735  
Delta R.T. 0.091 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW8-GW-743-745

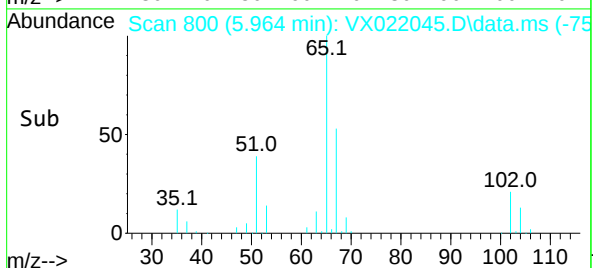
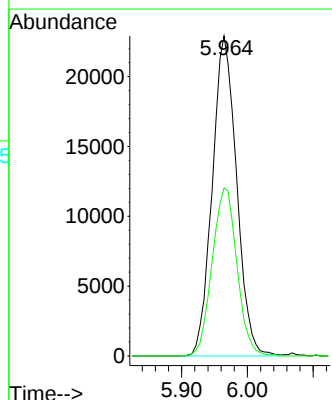
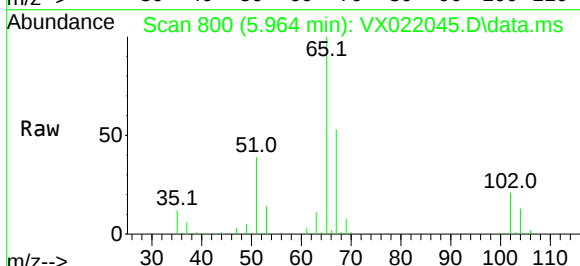


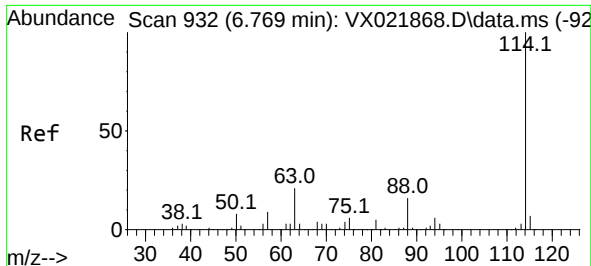
Tgt Ion: 56 Resp: 2110  
Ion Ratio Lower Upper  
56 100  
69 104.1 25.3 37.9#  
84 90.8 71.4 107.0



#33  
1,2-Dichloroethane-d4  
Concen: 50.59 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. -0.007 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

Tgt Ion: 65 Resp: 58914  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 105.4

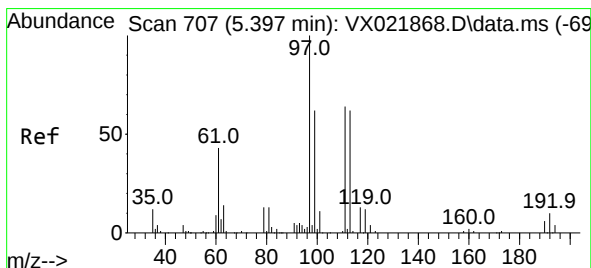
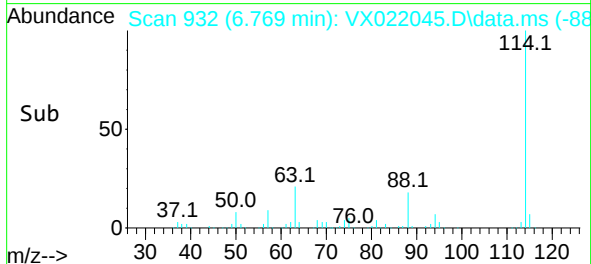
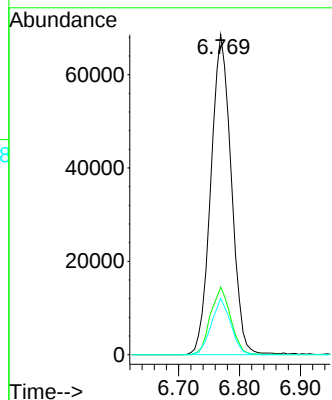
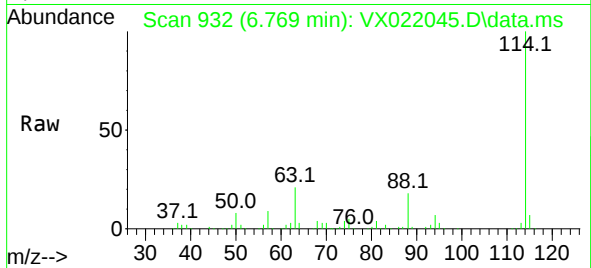




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

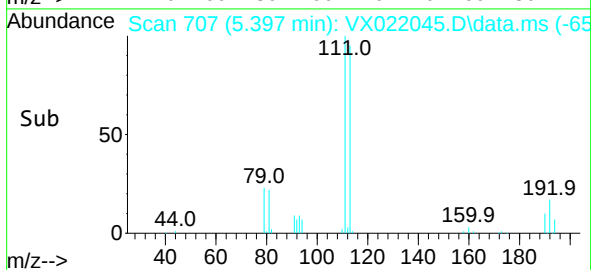
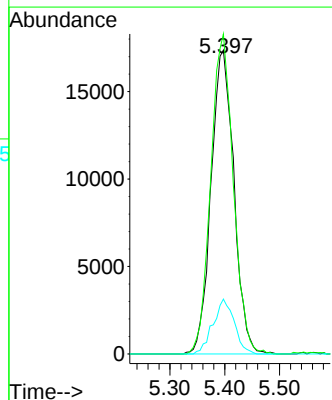
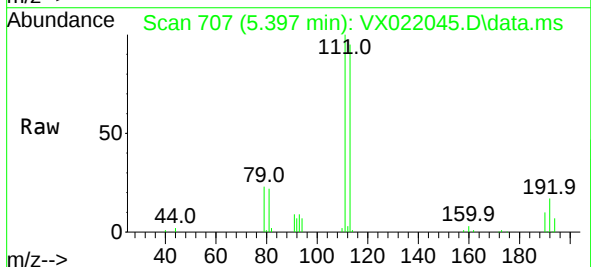
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW8-GW-743-745

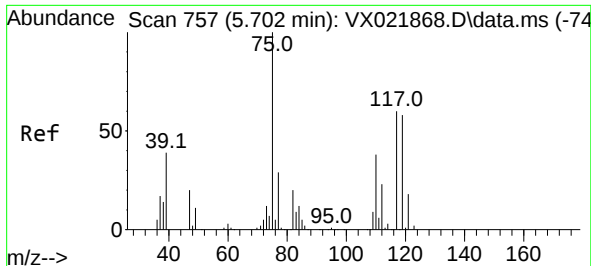
Tgt Ion:114 Resp: 159245  
Ion Ratio Lower Upper  
114 100  
63 21.1 0.0 40.8  
88 17.6 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 46.01 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

Tgt Ion:113 Resp: 50213  
Ion Ratio Lower Upper  
113 100  
111 104.1 81.9 122.9  
192 16.9 16.7 25.1





#36

1,1-Dichloropropene

Concen: 3.81 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX022045.D

Acq: 17 May 2021 20:31

Tgt Ion: 75 Resp: 6433

Ion Ratio Lower Upper

75 100

110 8.1 18.1 54.4#

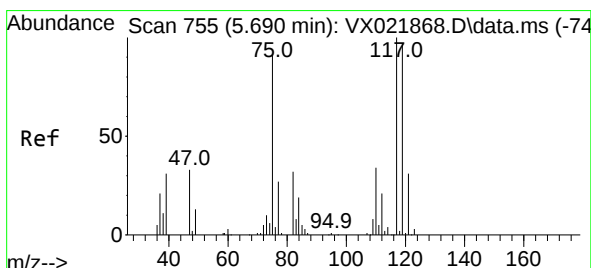
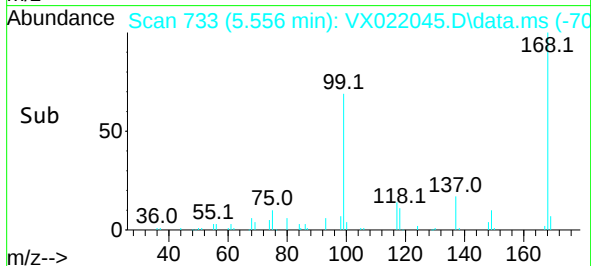
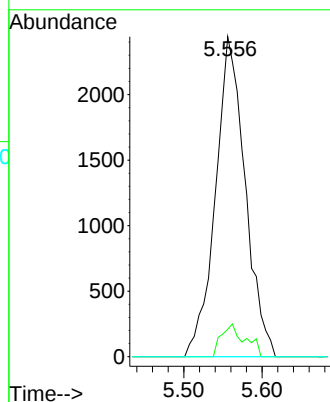
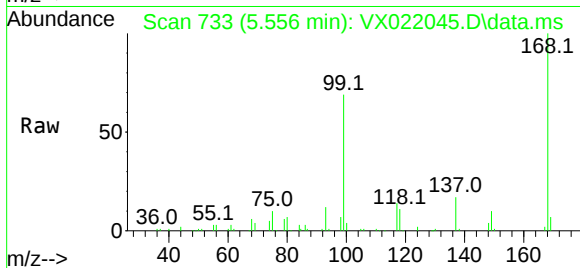
77 0.0 25.3 37.9#

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB-RW8-GW-743-745



#38

Carbon Tetrachloride

Concen: 5.06 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX022045.D

Acq: 17 May 2021 20:31

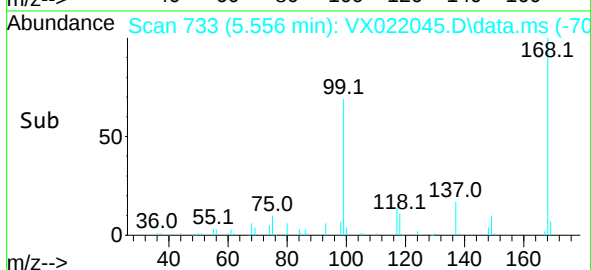
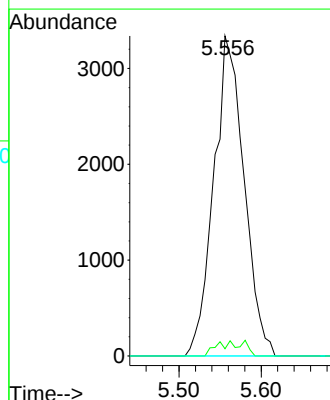
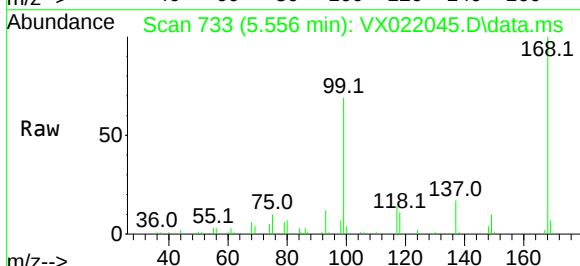
Tgt Ion: 117 Resp: 8543

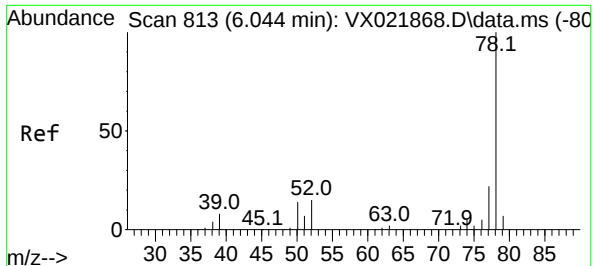
Ion Ratio Lower Upper

117 100

119 2.2 76.2 114.2#

121 0.0 24.8 37.2#

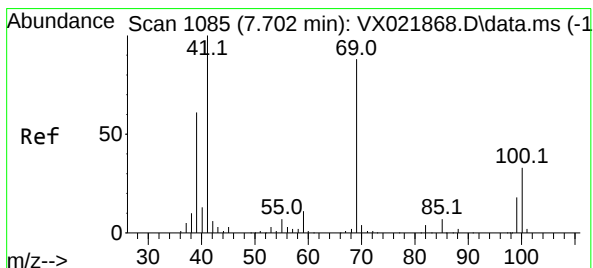
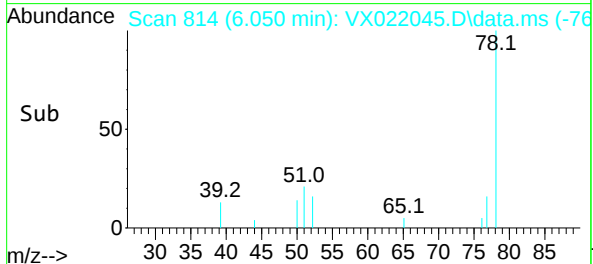
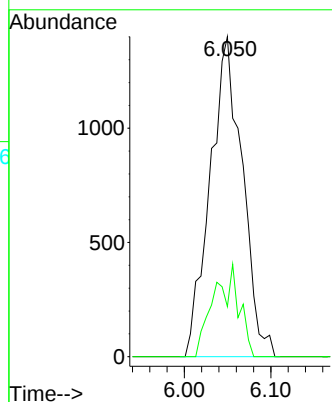
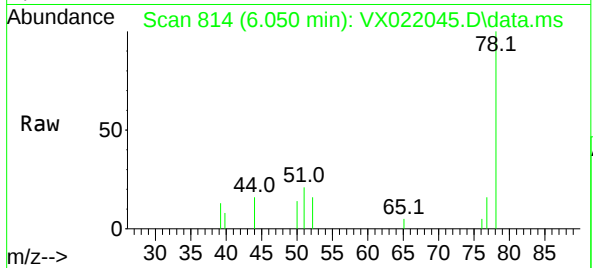




#40  
Benzene  
Concen: 0.71 ug/l  
RT: 6.050 min Scan# 814  
Delta R.T. 0.006 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

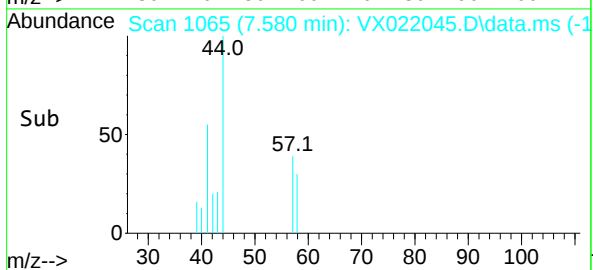
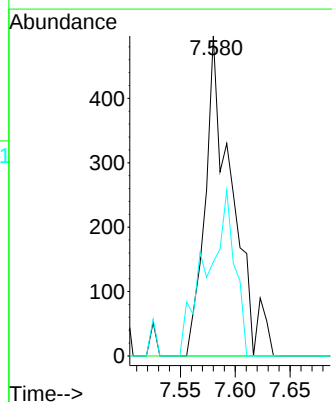
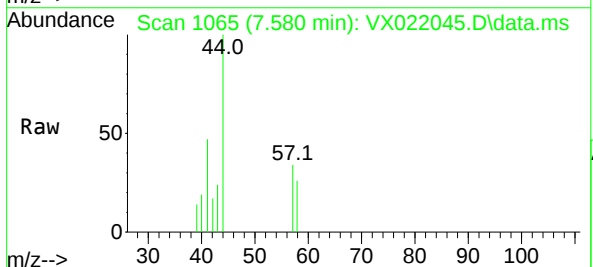
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW8-GW-743-745

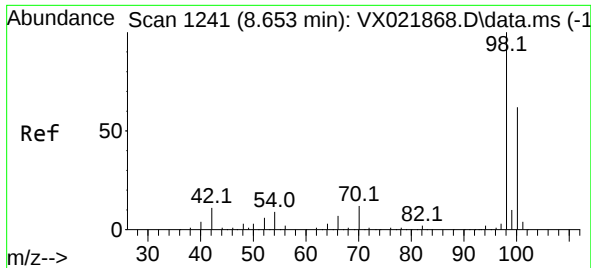
Tgt Ion: 78 Resp: 3622  
Ion Ratio Lower Upper  
78 100  
77 15.6 18.9 28.3#



#48  
Methyl methacrylate  
Concen: 0.53 ug/l  
RT: 7.580 min Scan# 1065  
Delta R.T. -0.122 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

Tgt Ion: 41 Resp: 844  
Ion Ratio Lower Upper  
41 100  
69 0.0 76.0 114.0#  
39 54.6 44.6 67.0

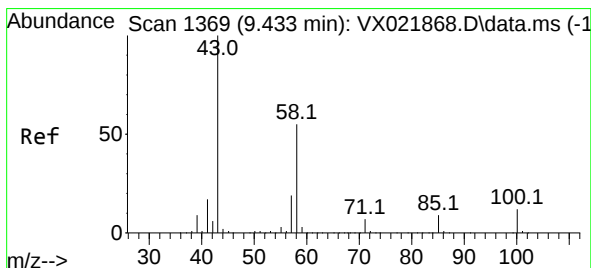
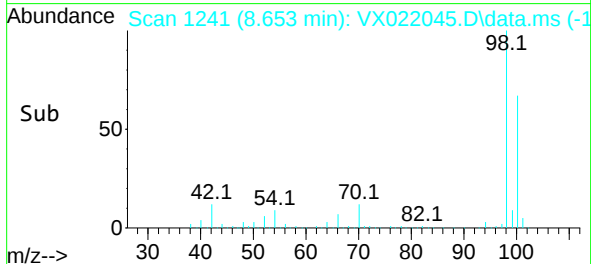
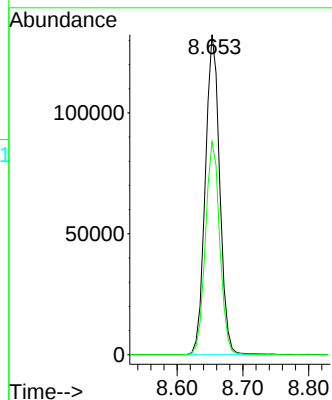
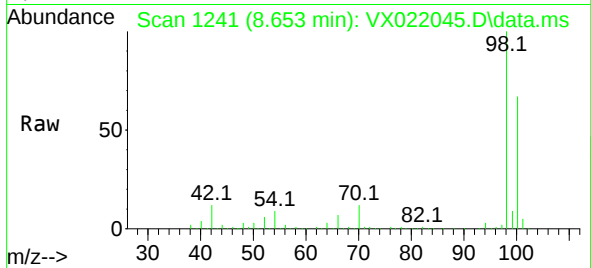




#50  
Toluene-d8  
Concen: 48.39 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

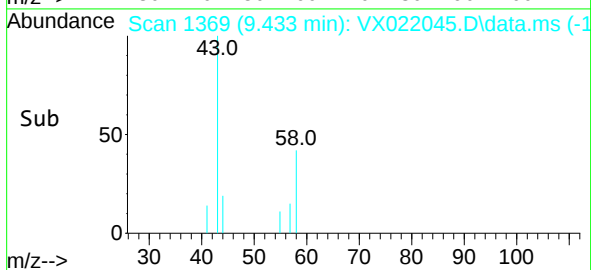
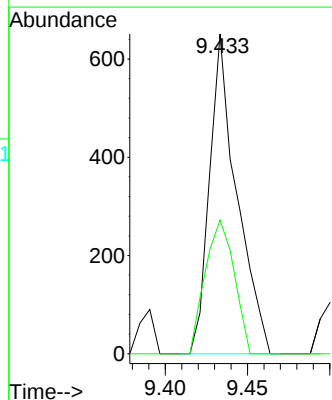
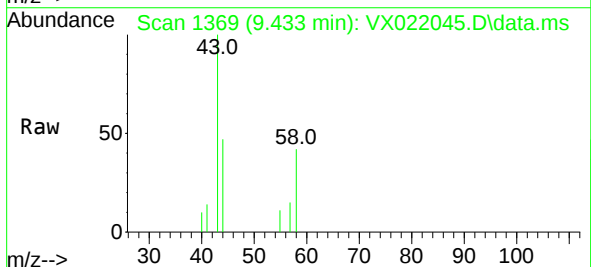
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW8-GW-743-745

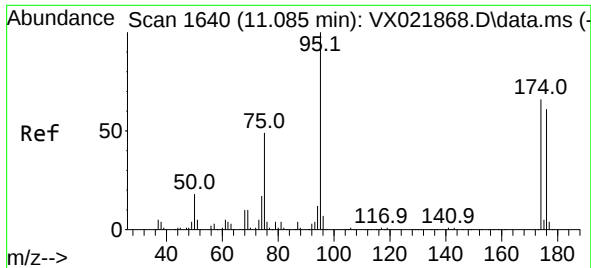
Tgt Ion: 98 Resp: 201543  
Ion Ratio Lower Upper  
98 100  
100 66.4 51.9 77.9



#59  
2-Hexanone  
Concen: 0.45 ug/l  
RT: 9.433 min Scan# 1369  
Delta R.T. 0.000 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

Tgt Ion: 43 Resp: 750  
Ion Ratio Lower Upper  
43 100  
58 44.4 30.9 92.8

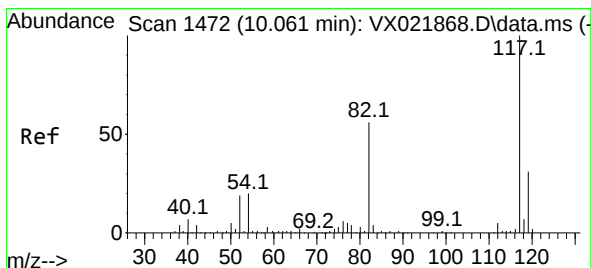
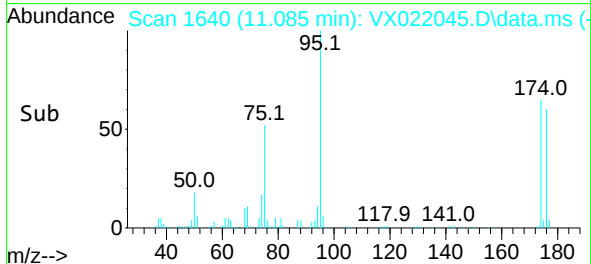
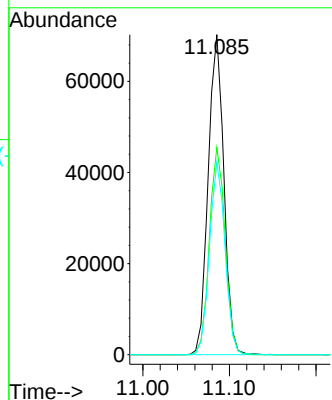
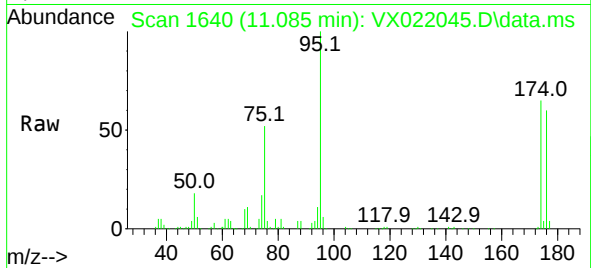




#62  
4-Bromofluorobenzene  
Concen: 53.63 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

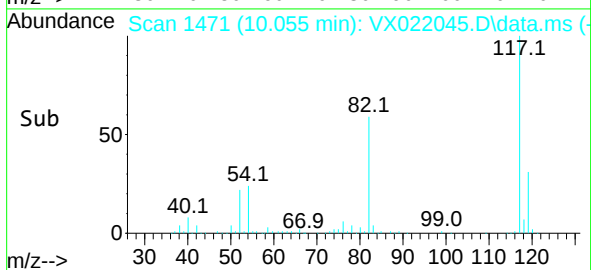
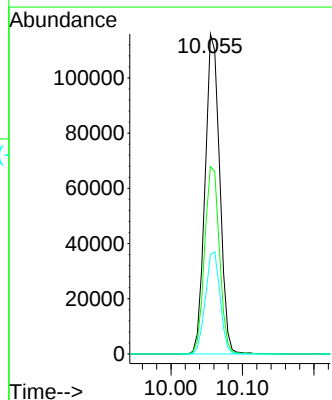
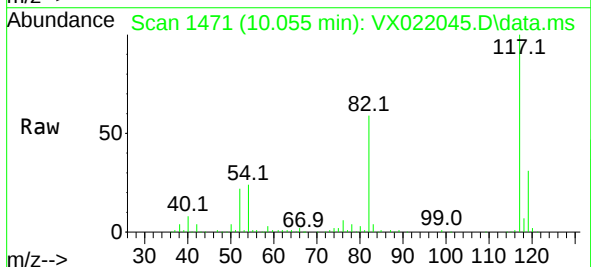
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW8-GW-743-745

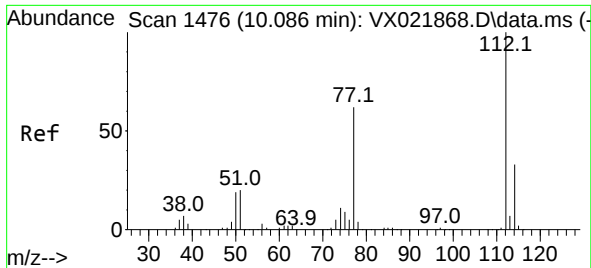
Tgt Ion: 95 Resp: 88146  
Ion Ratio Lower Upper  
95 100  
174 65.3 0.0 154.6  
176 59.8 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

Tgt Ion: 117 Resp: 164843  
Ion Ratio Lower Upper  
117 100  
82 58.5 47.4 71.2  
119 31.0 26.6 39.8

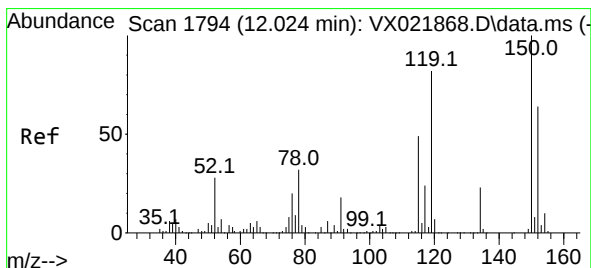
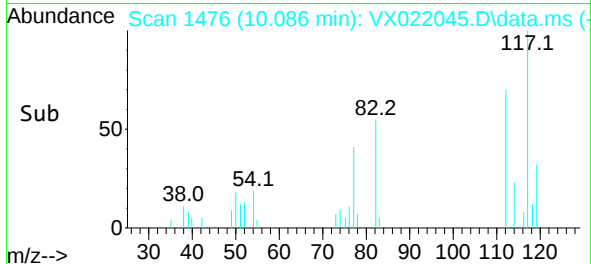
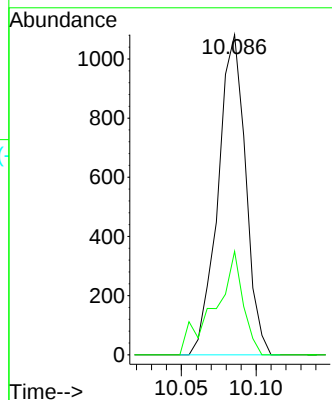
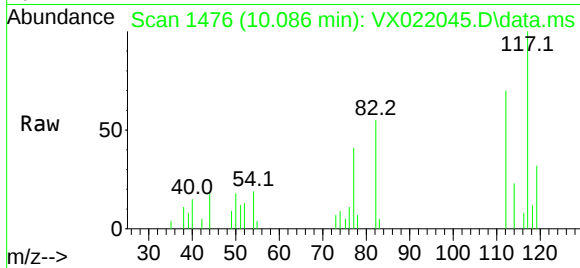




#65  
Chlorobenzene  
Concen: 0.36 ug/l  
RT: 10.086 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

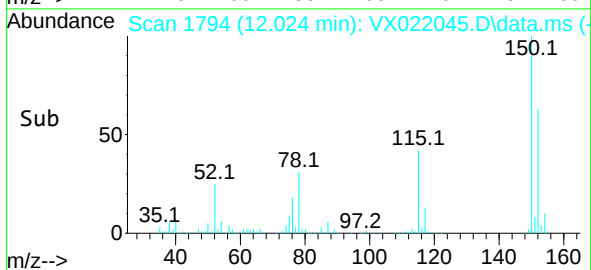
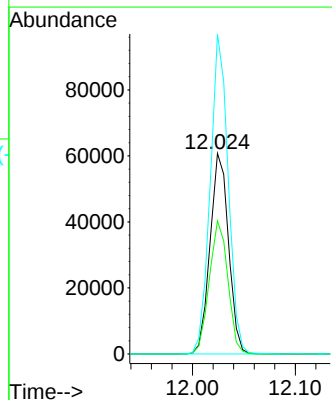
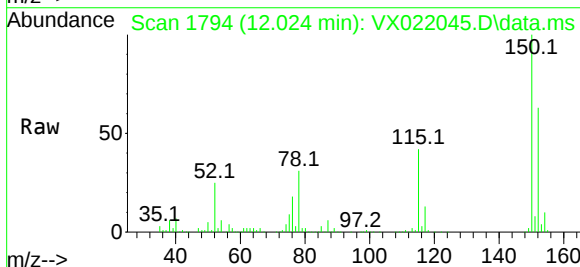
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW8-GW-743-745

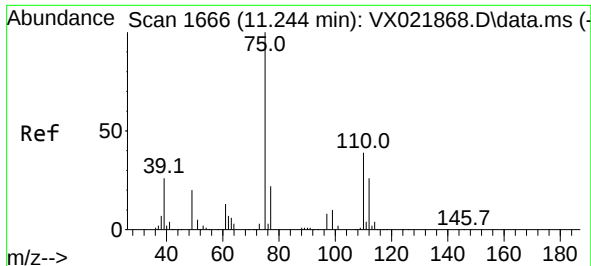
Tgt Ion:112 Resp: 1388  
Ion Ratio Lower Upper  
112 100  
114 32.3 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

Tgt Ion:152 Resp: 75845  
Ion Ratio Lower Upper  
152 100  
115 66.4 41.1 123.3  
150 154.6 0.0 349.0

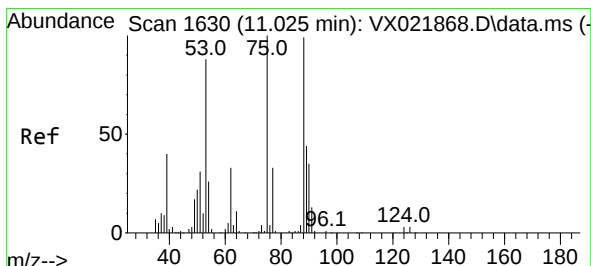
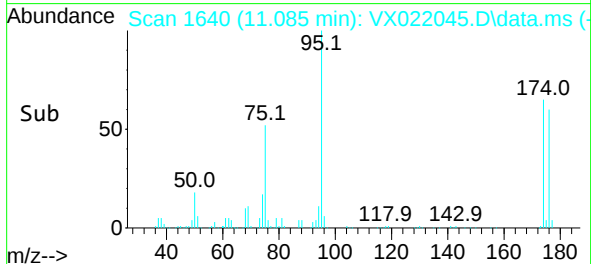
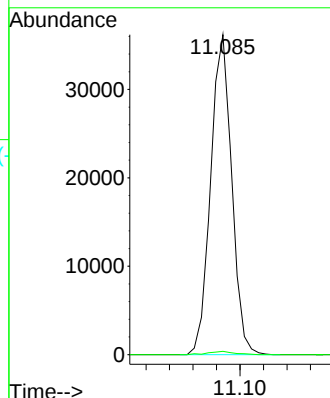
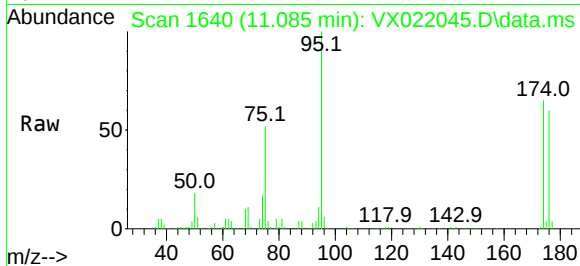




#76  
1,2,3-Trichloropropane  
Concen: 20.84 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW8-GW-743-745

Tgt Ion: 75 Resp: 44929  
Ion Ratio Lower Upper  
75 100  
77 1.3 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.33 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.060 min  
Lab File: VX022045.D  
Acq: 17 May 2021 20:31

Tgt Ion: 75 Resp: 44929  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

