

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012224\  
 Data File : VX039886.D  
 Acq On : 22 Jan 2024 16:08  
 Operator : JC/MD  
 Sample : P1186-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB-191-GW-298-300

Quant Time: Jan 23 00:18:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 11 03:51:26 2024  
 Response via : Initial Calibration

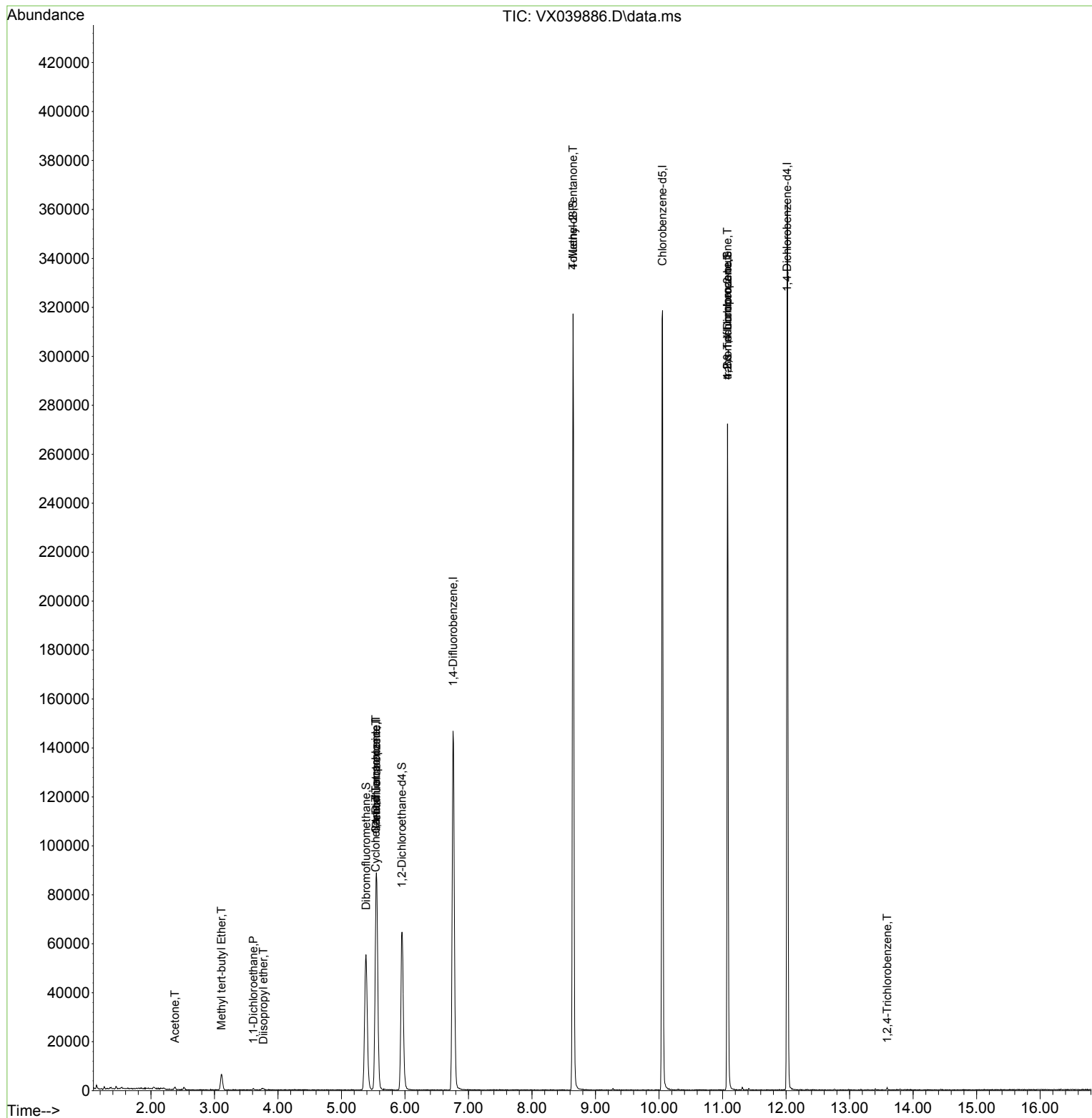
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 79110    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 144643   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 140318   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 68412    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 62684    | 47.301   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 94.600%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 48516    | 49.799   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 99.600%  |
| 50) Toluene-d8                | 8.647  | 98    | 181244   | 49.326   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 98.660%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 69996    | 48.715   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 97.420%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Acetone                   | 2.380  | 43    | 1182     | 1.586    | ug/l # | 89       |
| 19) Methyl tert-butyl Ether   | 3.111  | 73    | 7059     | 2.088    | ug/l   | 96       |
| 22) Diisopropyl ether         | 3.770  | 45    | 800      | 0.224    | ug/l # | 55       |
| 24) 1,1-Dichloroethane        | 3.611  | 63    | 687      | 0.349    | ug/l # | 83       |
| 31) Cyclohexane               | 5.538  | 56    | 2123     | 1.214    | ug/l # | 11       |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 7184     | 4.737    | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 8834     | 6.360    | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 965      | 0.472    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 39033    | 22.007   | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 39033    | 63.864   | ug/l # | 5        |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180   | 328      | 0.234    | ug/l # | 74       |
| -----                         |        |       |          |          |        |          |

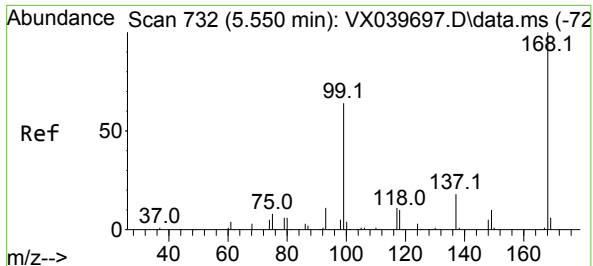
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012224\  
Data File : VX039886.D  
Acq On : 22 Jan 2024 16:08  
Operator : JC/MD  
Sample : P1186-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-191-GW-298-300

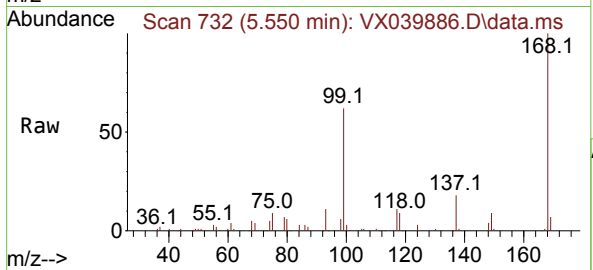
Quant Time: Jan 23 00:18:40 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 11 03:51:26 2024  
Response via : Initial Calibration



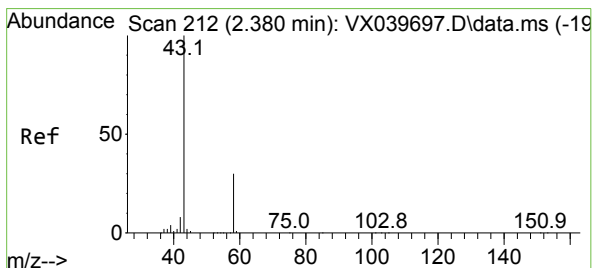
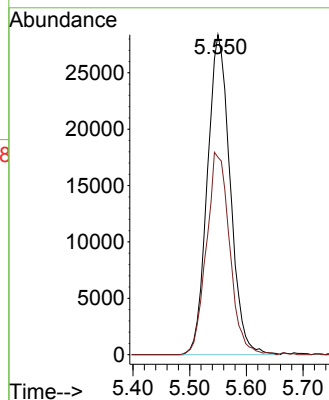
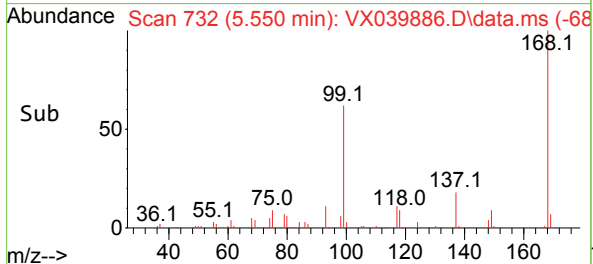


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.000 min  
Lab File: VX039886.D  
Acq: 22 Jan 2024 16:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-191-GW-298-300

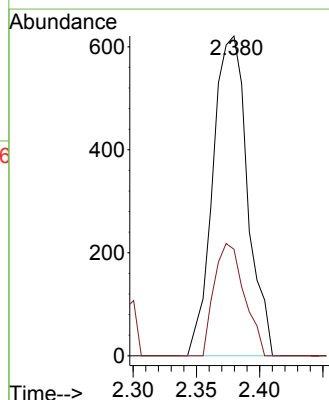
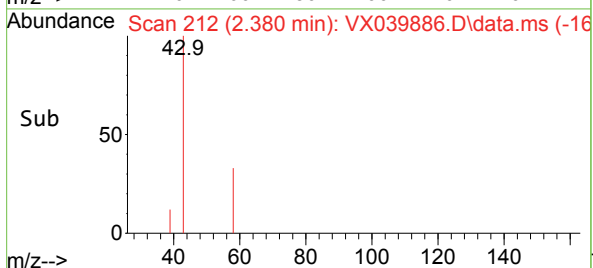
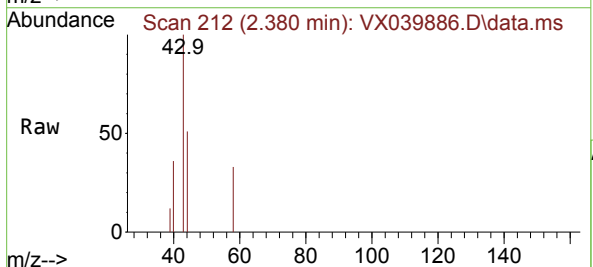


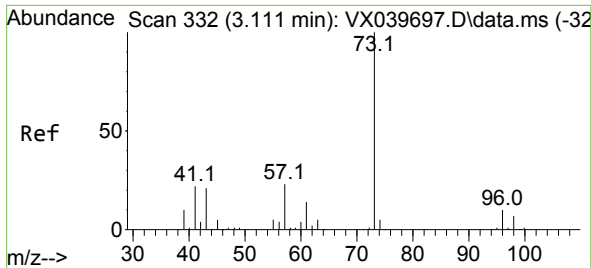
Tgt Ion:168 Resp: 79110  
Ion Ratio Lower Upper  
168 100  
99 61.7 56.6 85.0



#16  
Acetone  
Concen: 1.586 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.000 min  
Lab File: VX039886.D  
Acq: 22 Jan 2024 16:08

Tgt Ion: 43 Resp: 1182  
Ion Ratio Lower Upper  
43 100  
58 33.3 21.9 32.9#

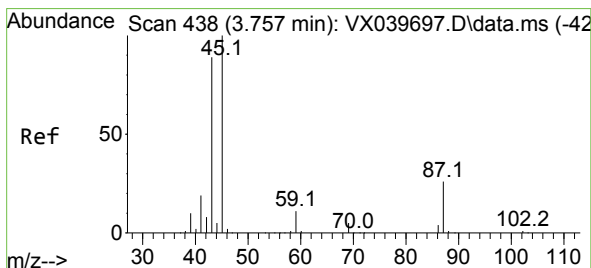
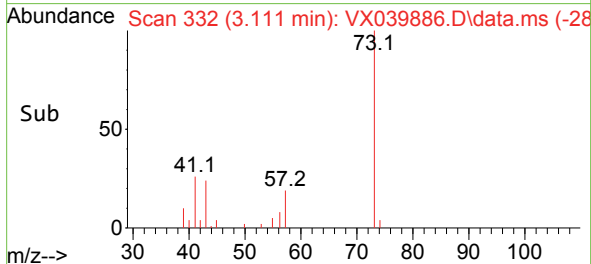
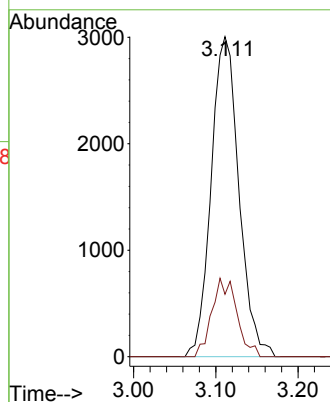
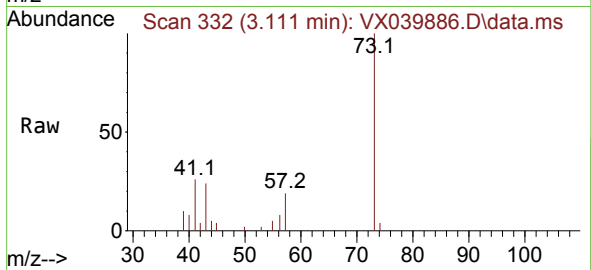




#19  
Methyl tert-butyl Ether  
Concen: 2.088 ug/l  
RT: 3.111 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX039886.D  
Acq: 22 Jan 2024 16:08

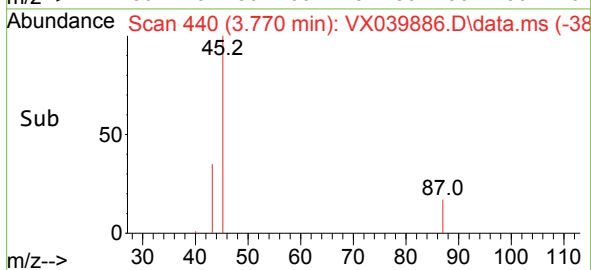
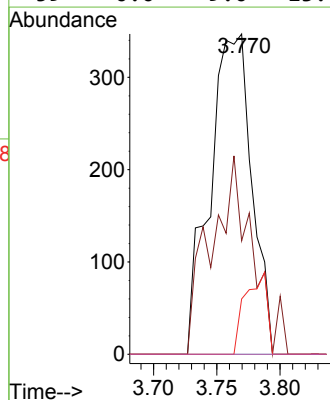
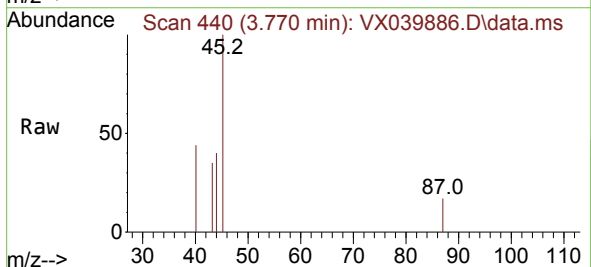
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-191-GW-298-300

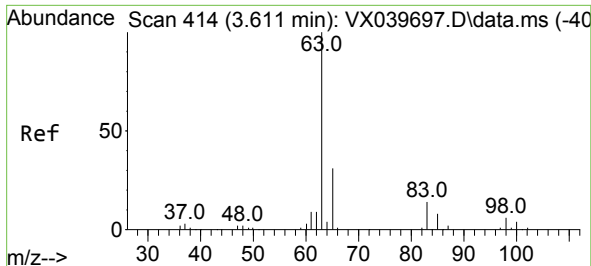
Tgt Ion: 73 Resp: 7059  
Ion Ratio Lower Upper  
73 100  
57 19.5 17.3 25.9



#22  
Diisopropyl ether  
Concen: 0.224 ug/l  
RT: 3.770 min Scan# 440  
Delta R.T. 0.012 min  
Lab File: VX039886.D  
Acq: 22 Jan 2024 16:08

Tgt Ion: 45 Resp: 800  
Ion Ratio Lower Upper  
45 100  
43 35.4 69.7 104.5#  
87 17.3 20.8 31.2#  
59 0.0 9.0 13.4#

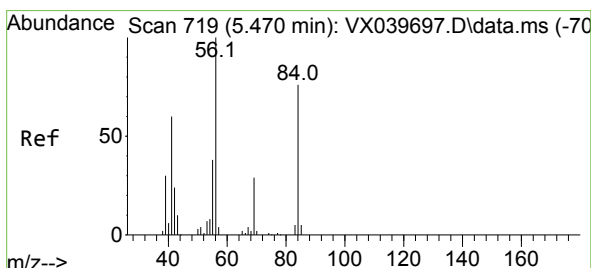
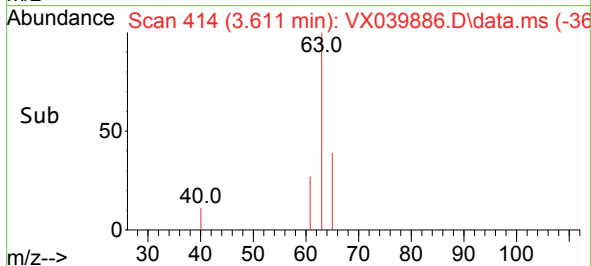
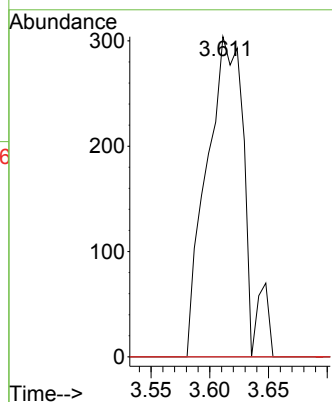
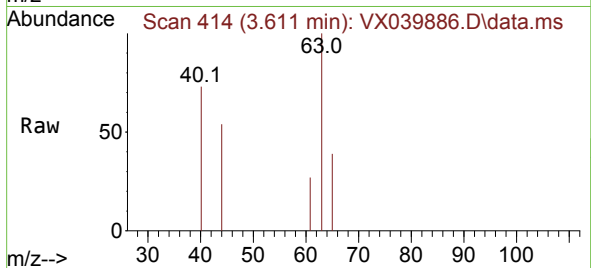




#24  
1,1-Dichloroethane  
Concen: 0.349 ug/l  
RT: 3.611 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VX039886.D  
Acq: 22 Jan 2024 16:08

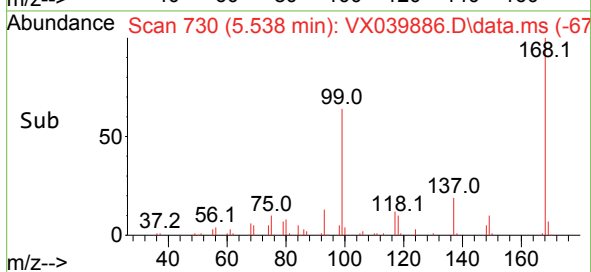
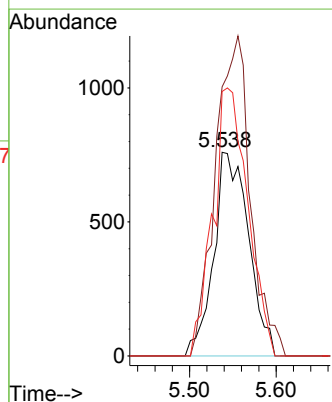
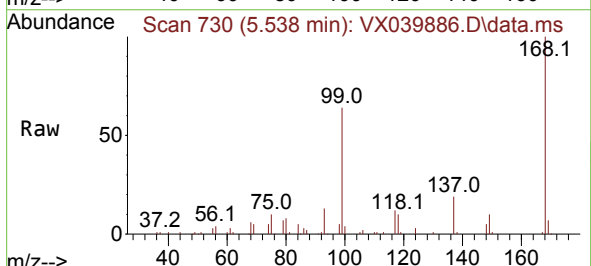
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-191-GW-298-300

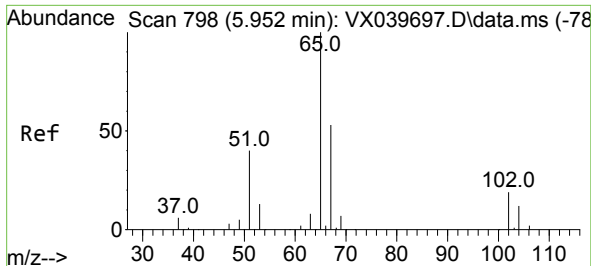
Tgt Ion: 63 Resp: 687  
Ion Ratio Lower Upper  
63 100  
98 0.0 3.3 9.8#  
100 0.0 2.1 6.5#



#31  
Cyclohexane  
Concen: 1.214 ug/l  
RT: 5.538 min Scan# 730  
Delta R.T. 0.067 min  
Lab File: VX039886.D  
Acq: 22 Jan 2024 16:08

Tgt Ion: 56 Resp: 2123  
Ion Ratio Lower Upper  
56 100  
69 132.1 23.4 35.2#  
84 129.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.301 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039886.D

Acq: 22 Jan 2024 16:08

Instrument :

MSVOA\_X

ClientSampleId :

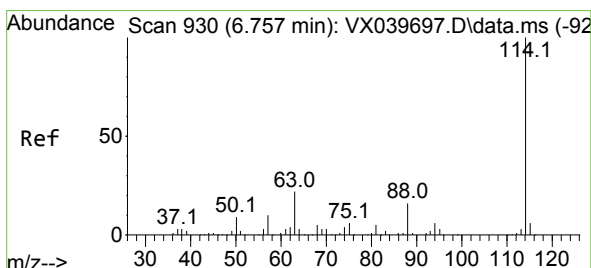
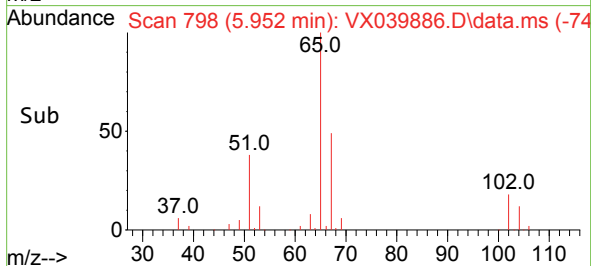
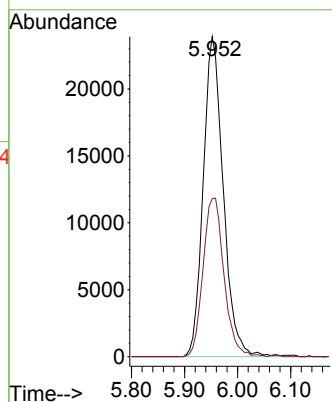
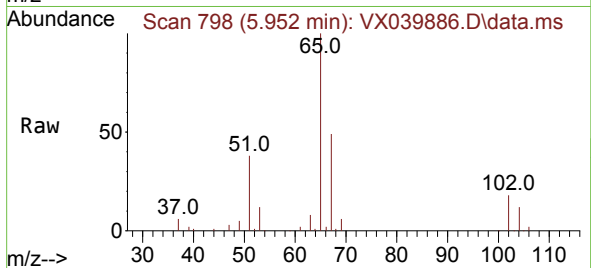
BP-VPB-191-GW-298-300

Tgt Ion: 65 Resp: 62684

Ion Ratio Lower Upper

65 100

67 51.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX039886.D

Acq: 22 Jan 2024 16:08

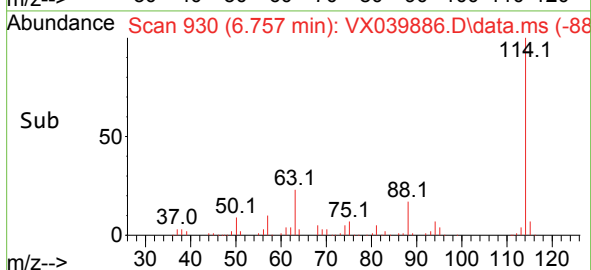
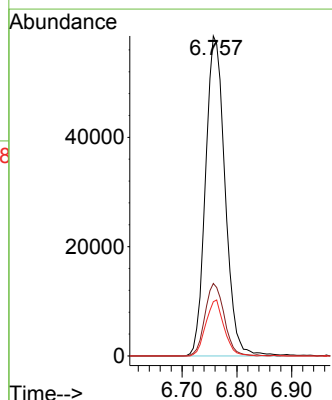
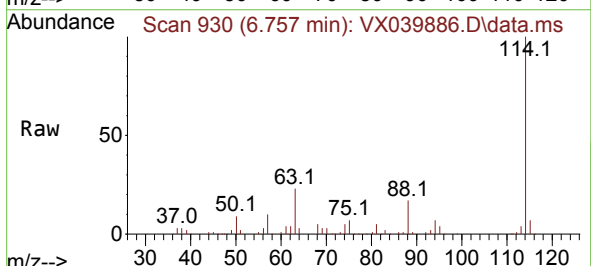
Tgt Ion: 114 Resp: 144643

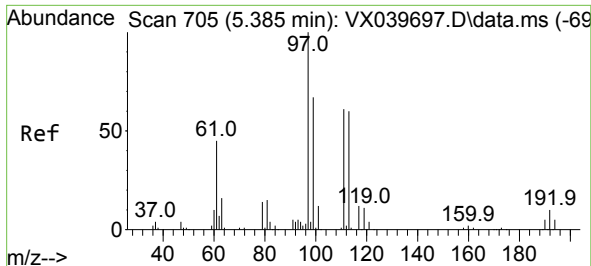
Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.0

88 17.0 0.0 36.6

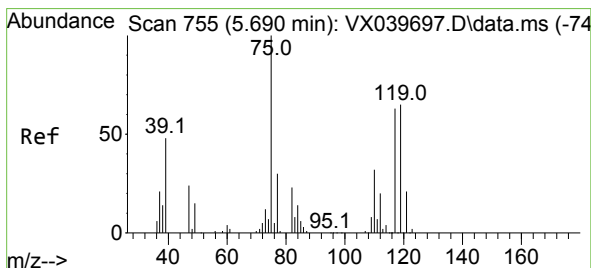
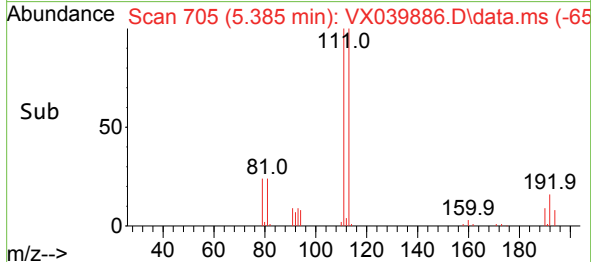
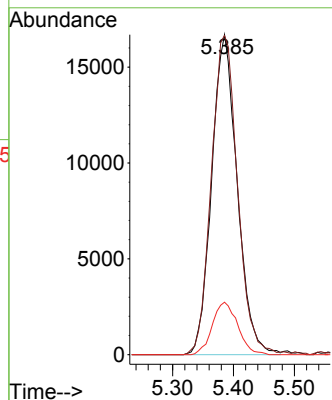
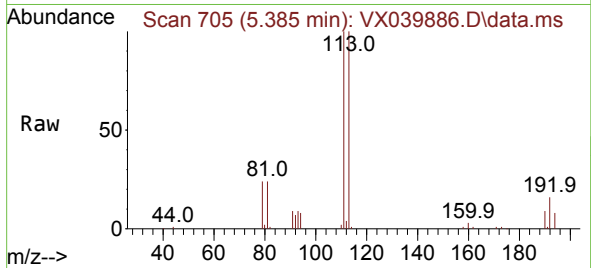




#35  
Dibromofluoromethane  
Concen: 49.799 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX039886.D  
Acq: 22 Jan 2024 16:08

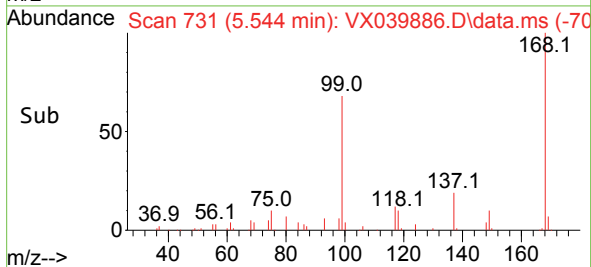
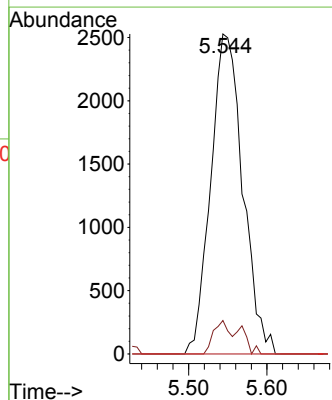
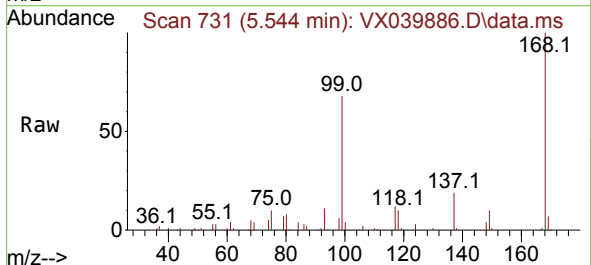
Instrument :  
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ClientSampleId :  
BP-VPB-191-GW-298-300

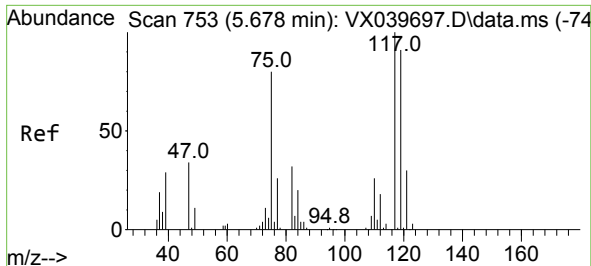
Tgt Ion:113 Resp: 48516  
Ion Ratio Lower Upper  
113 100  
111 102.6 82.9 124.3  
192 16.3 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 4.737 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.146 min  
Lab File: VX039886.D  
Acq: 22 Jan 2024 16:08

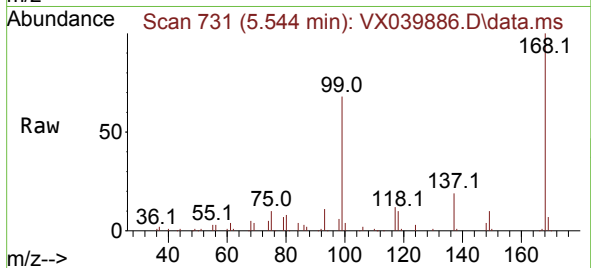
Tgt Ion: 75 Resp: 7184  
Ion Ratio Lower Upper  
75 100  
110 5.3 17.0 50.9#  
77 0.0 24.7 37.1#



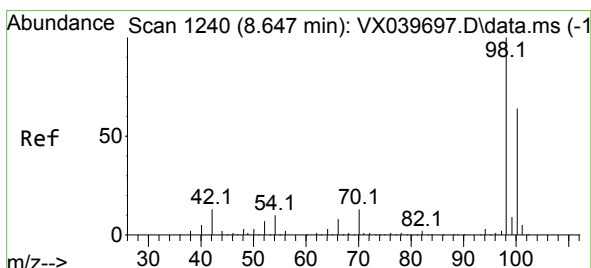
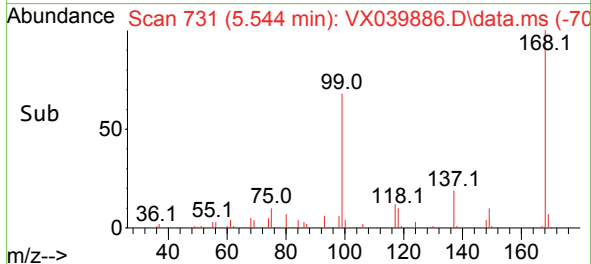
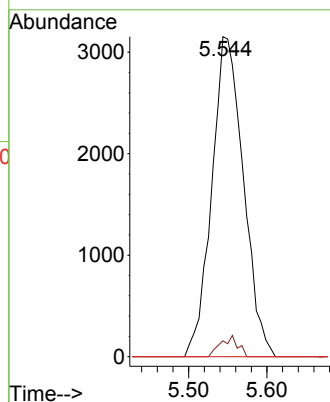


#38  
Carbon Tetrachloride  
Concen: 6.360 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX039886.D  
Acq: 22 Jan 2024 16:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-191-GW-298-300

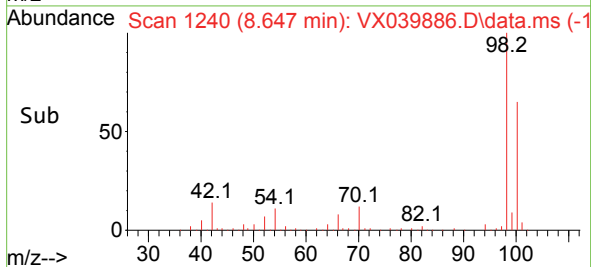
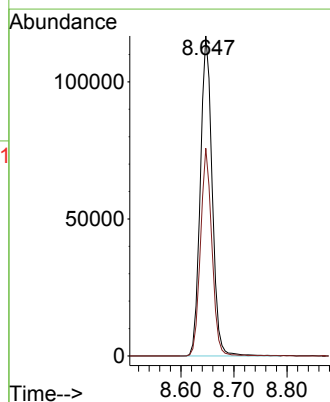
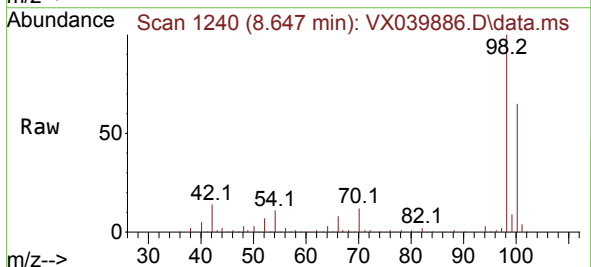


Tgt Ion:117 Resp: 8834  
Ion Ratio Lower Upper  
117 100  
119 4.9 78.2 117.2#  
121 0.0 24.4 36.6#

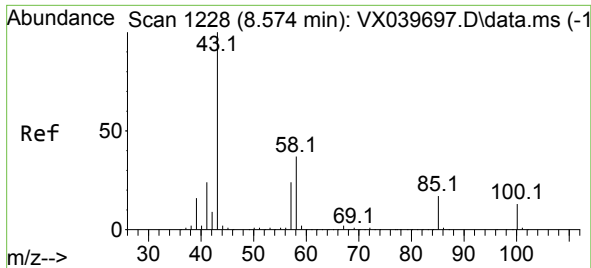


#50  
Toluene-d8  
Concen: 49.326 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX039886.D  
Acq: 22 Jan 2024 16:08

Tgt Ion: 98 Resp: 181244  
Ion Ratio Lower Upper  
98 100  
100 62.6 53.1 79.7



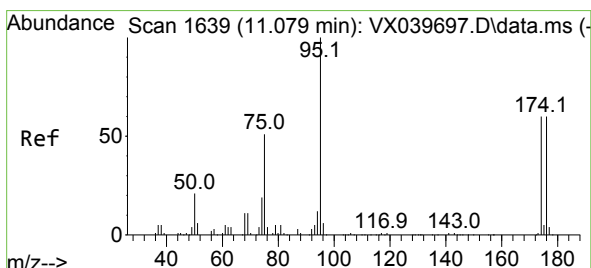
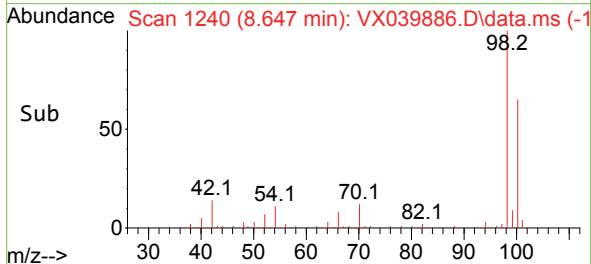
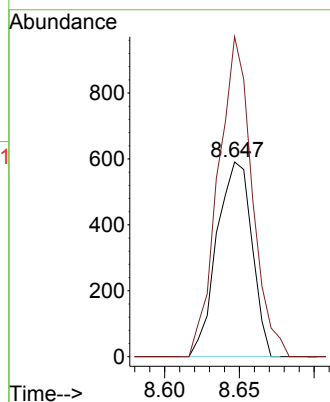
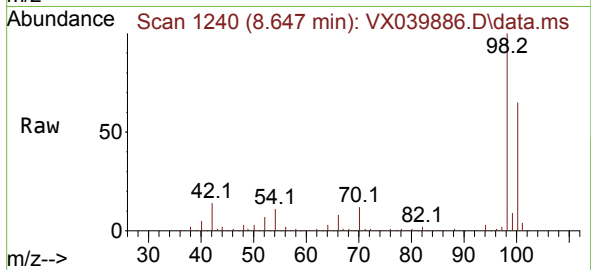




#51  
4-Methyl-2-Pentanone  
Concen: 0.472 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX039886.D  
Acq: 22 Jan 2024 16:08

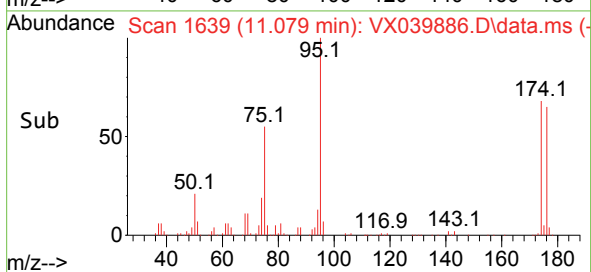
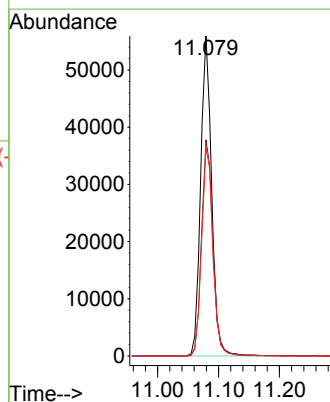
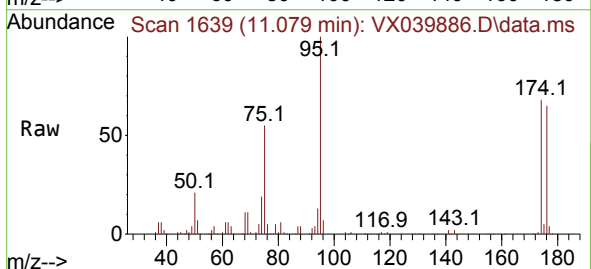
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-191-GW-298-300

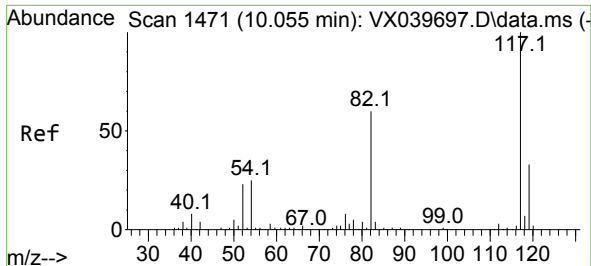
Tgt Ion: 43 Resp: 965  
Ion Ratio Lower Upper  
43 100  
58 158.8 30.4 45.6#



#62  
4-Bromofluorobenzene  
Concen: 48.715 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX039886.D  
Acq: 22 Jan 2024 16:08

Tgt Ion: 95 Resp: 69996  
Ion Ratio Lower Upper  
95 100  
174 69.7 0.0 135.6  
176 66.5 0.0 131.0

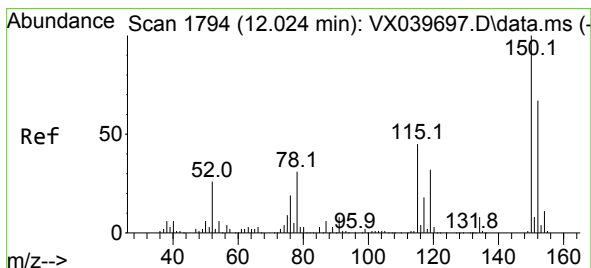
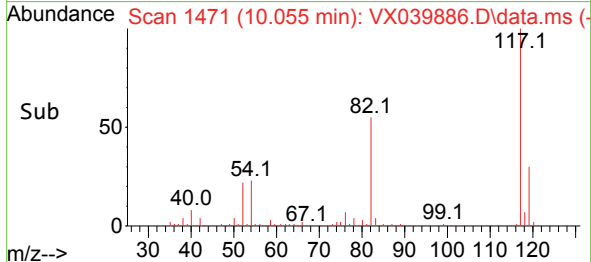
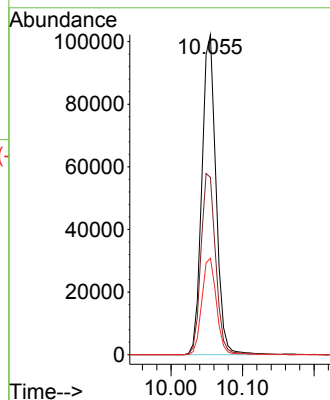
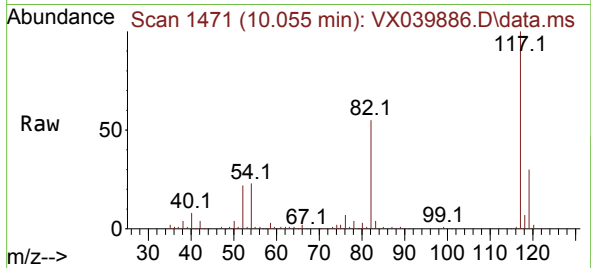




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX039886.D  
Acq: 22 Jan 2024 16:08

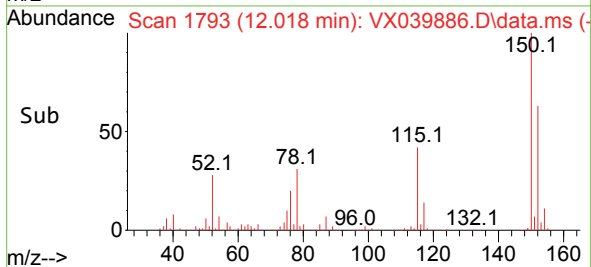
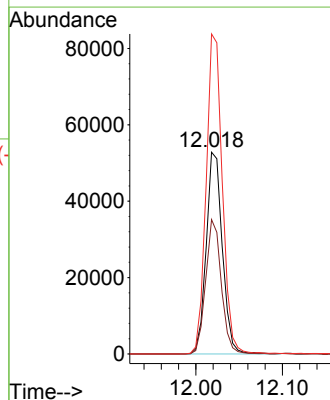
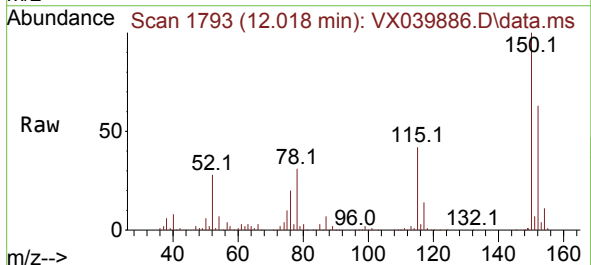
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-191-GW-298-300

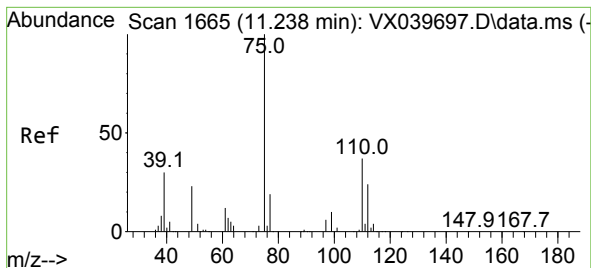
Tgt Ion:117 Resp: 140318  
Ion Ratio Lower Upper  
117 100  
82 55.4 46.2 69.4  
119 30.2 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.006 min  
Lab File: VX039886.D  
Acq: 22 Jan 2024 16:08

Tgt Ion:152 Resp: 68412  
Ion Ratio Lower Upper  
152 100  
115 64.6 43.3 129.9  
150 159.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.007 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX039886.D

Acq: 22 Jan 2024 16:08

Instrument :

MSVOA\_X

ClientSampleId :

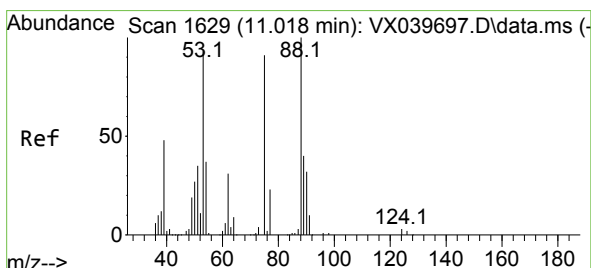
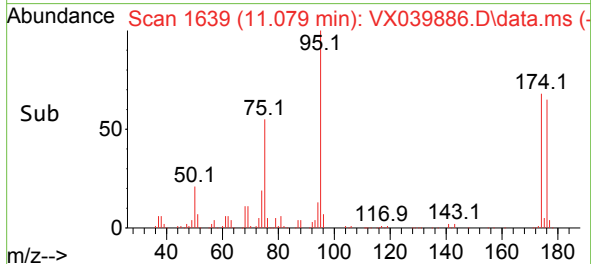
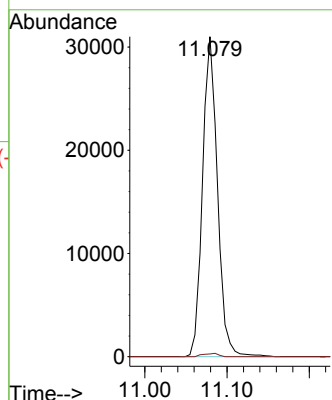
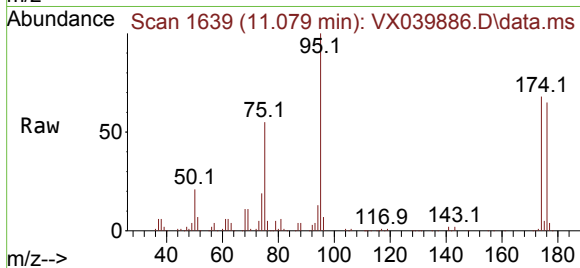
BP-VPB-191-GW-298-300

Tgt Ion: 75 Resp: 39033

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.864 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039886.D

Acq: 22 Jan 2024 16:08

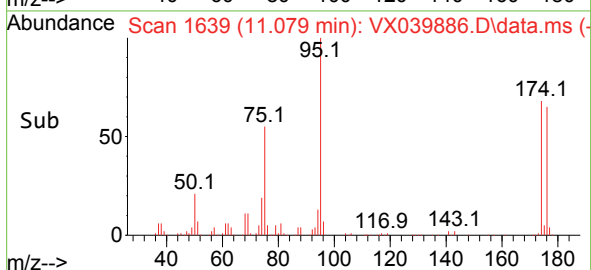
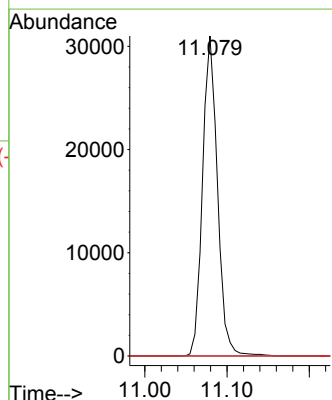
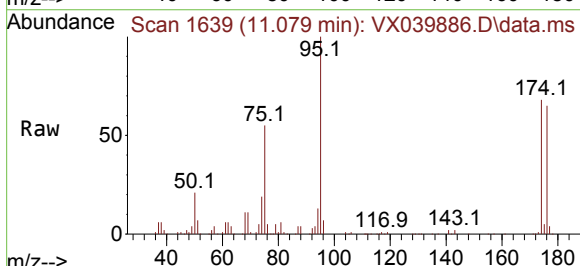
Tgt Ion: 75 Resp: 39033

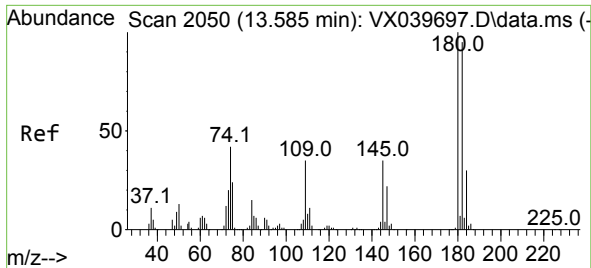
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.234 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX039886.D

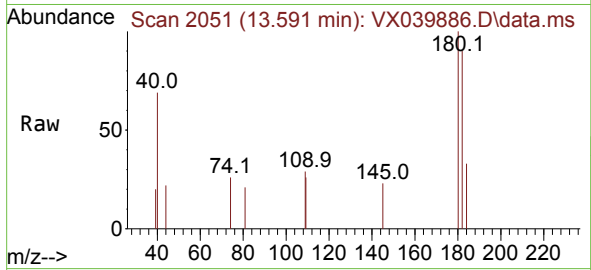
Acq: 22 Jan 2024 16:08

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB-191-GW-298-300



Tgt Ion:180 Resp: 328

Ion Ratio Lower Upper

180 100

182 80.2 48.3 144.8

145 7.0 18.0 54.0#

