

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100923\  
 Data File : VX038172.D  
 Acq On : 09 Oct 2023 15:23  
 Operator : JC/MD  
 Sample : 04810-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB-RW10A-GW-658-660

Quant Time: Oct 10 00:57:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 05 15:27:13 2023  
 Response via : Initial Calibration

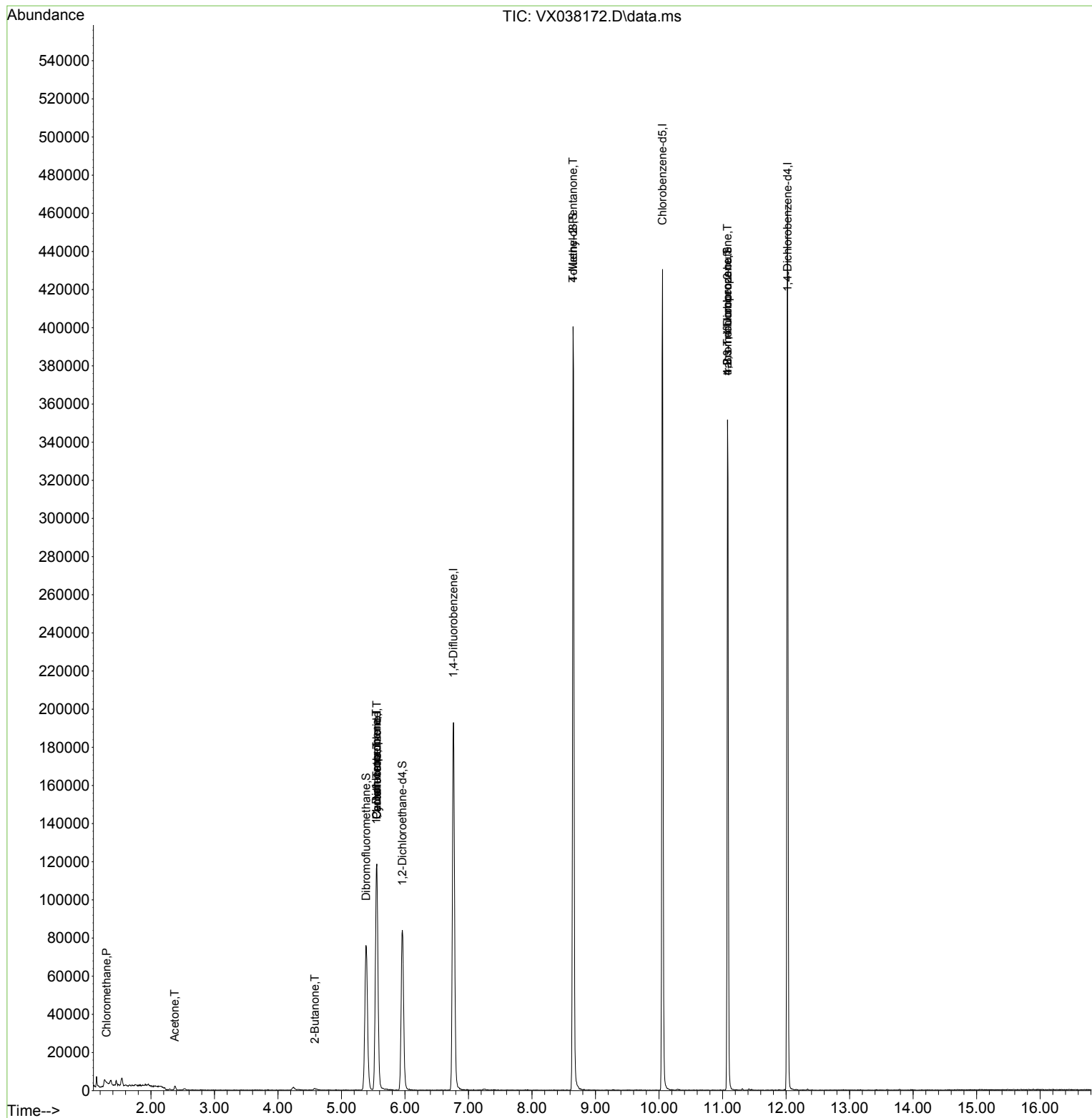
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 110232     | 50.000    | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 197033     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 188040     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 94784      | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 81895      | 46.190    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 92.380%   |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 65922      | 46.432    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 92.860%   |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 242742     | 44.743    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 89.480%#  |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 88398      | 42.979    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 85.960%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
|                               |                |      |            |           | Qvalue |          |
| 3) Chloromethane              | 1.301          | 50   | 342        | 0.315     | ug/l # | 43       |
| 5) Bromomethane               | 1.544          | 94   | 23         | Below Cal | #      | 3        |
| 6) Chloroethane               | 1.691          | 64   | 131        | Below Cal | #      | 43       |
| 11) Tert butyl alcohol        | 2.953          | 59   | 43         | Below Cal | #      | 78       |
| 16) Acetone                   | 2.374          | 43   | 2064       | 2.789     | ug/l # | 89       |
| 25) 2-Butanone                | 4.580          | 43   | 1528       | 1.280     | ug/l   | 95       |
| 31) Cyclohexane               | 5.556          | 56   | 2942       | 1.532     | ug/l # | 23       |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 9214       | 4.706     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 11613      | 6.030     | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.647          | 43   | 1160       | 0.485     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 48522      | 22.518    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 48522      | 64.481    | ug/l # | 5        |
| -----                         |                |      |            |           |        |          |

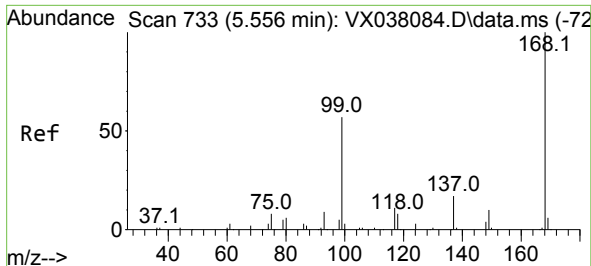
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100923\  
Data File : VX038172.D  
Acq On : 09 Oct 2023 15:23  
Operator : JC/MD  
Sample : 04810-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10A-GW-658-660

Quant Time: Oct 10 00:57:26 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 05 15:27:13 2023  
Response via : Initial Calibration

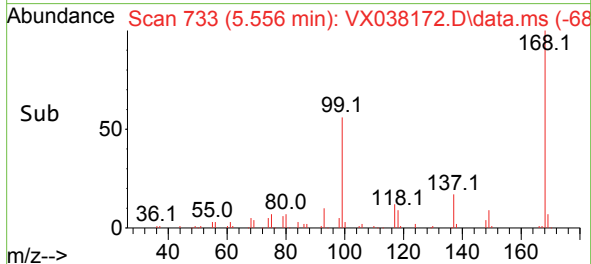
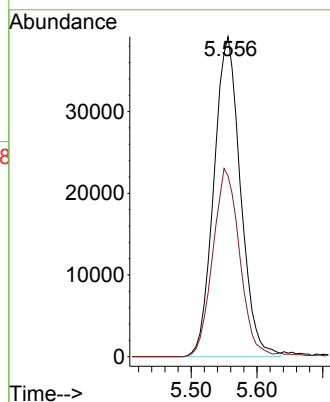
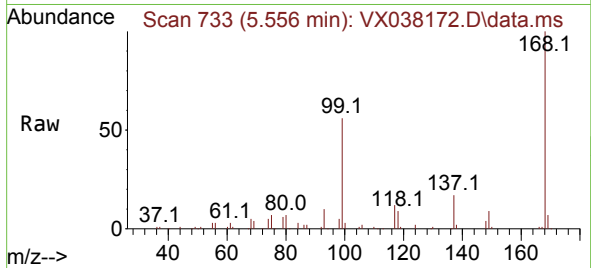




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX038172.D  
Acq: 09 Oct 2023 15:23

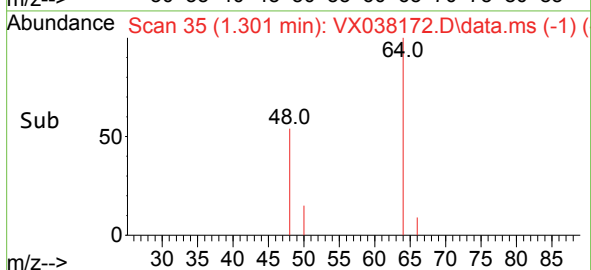
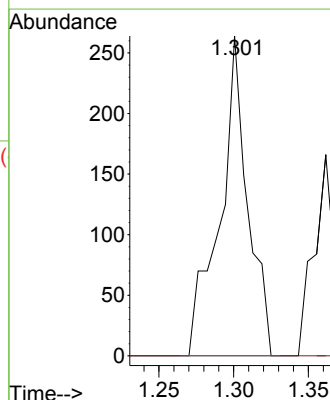
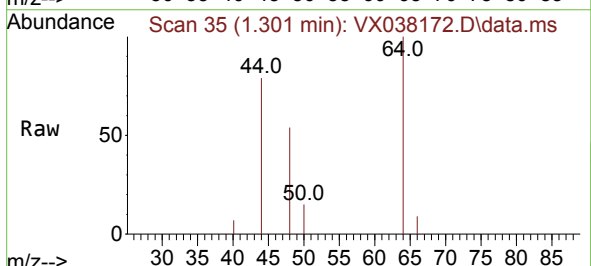
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10A-GW-658-660

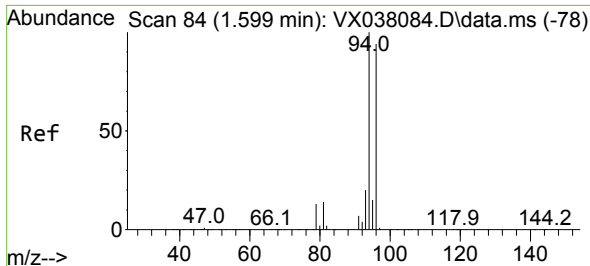
Tgt Ion:168 Resp: 110232  
Ion Ratio Lower Upper  
168 100  
99 56.5 56.6 85.0#



#3  
Chloromethane  
Concen: 0.315 ug/l  
RT: 1.301 min Scan# 35  
Delta R.T. -0.000 min  
Lab File: VX038172.D  
Acq: 09 Oct 2023 15:23

Tgt Ion: 50 Resp: 342  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.5 38.3#

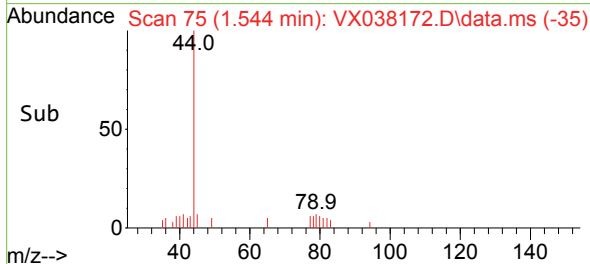
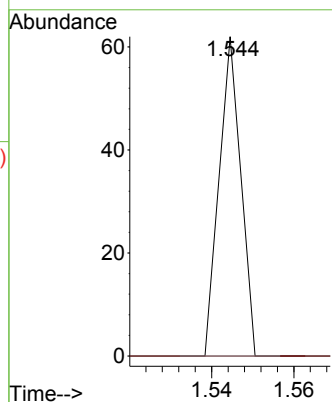
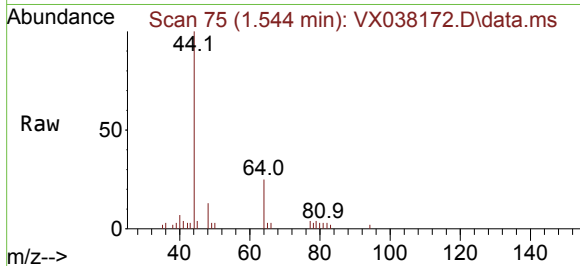




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.544 min Scan# 71  
Delta R.T. -0.055 min  
Lab File: VX038172.D  
Acq: 09 Oct 2023 15:23

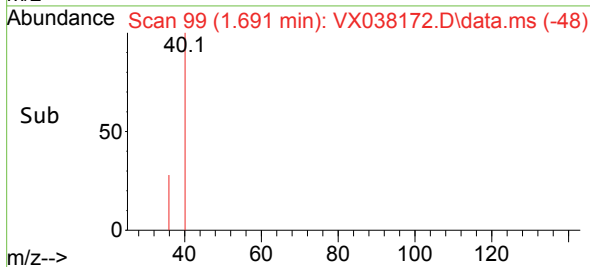
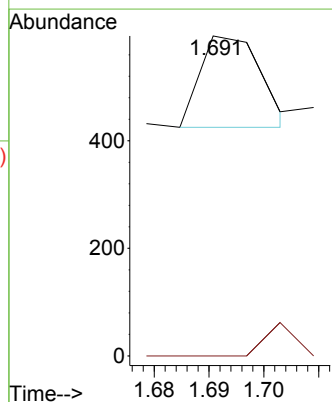
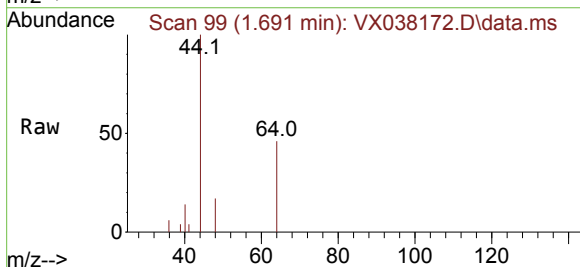
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10A-GW-658-660

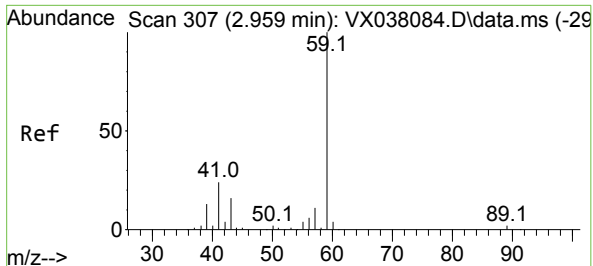
Tgt Ion: 94 Resp: 23  
Ion Ratio Lower Upper  
94 100  
96 0.0 74.6 111.8#



#6  
Chloroethane  
Concen: Below Cal  
RT: 1.691 min Scan# 99  
Delta R.T. 0.012 min  
Lab File: VX038172.D  
Acq: 09 Oct 2023 15:23

Tgt Ion: 64 Resp: 131  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 307

Delta R.T. -0.006 min

Lab File: VX038172.D

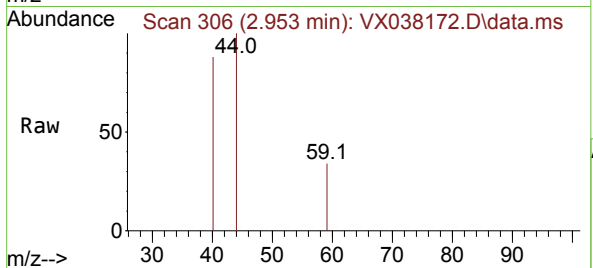
Acq: 09 Oct 2023 15:23

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB-RW10A-GW-658-660

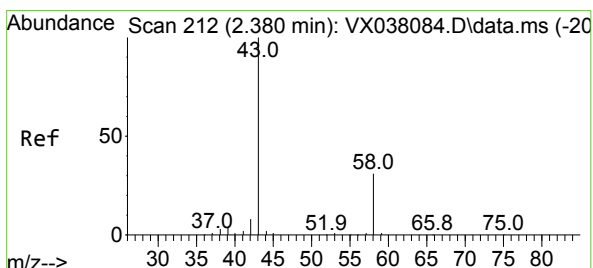
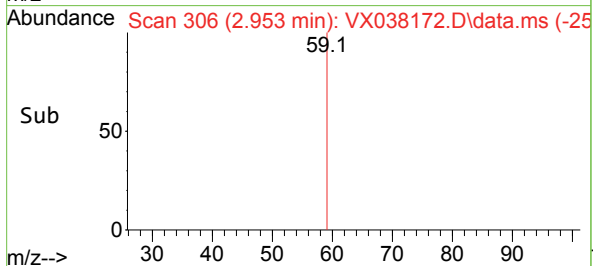
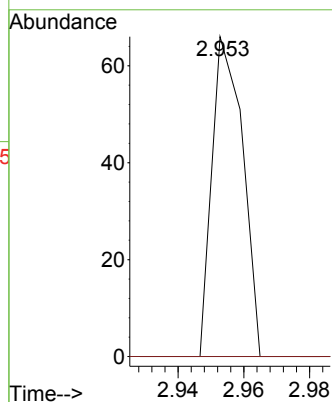


Tgt Ion: 59 Resp: 43

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 2.789 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX038172.D

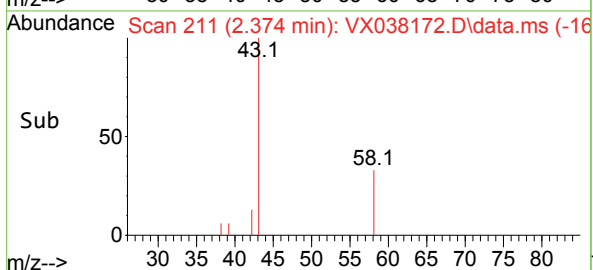
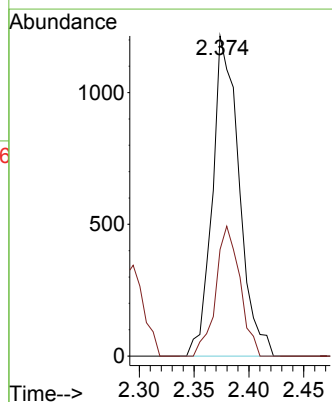
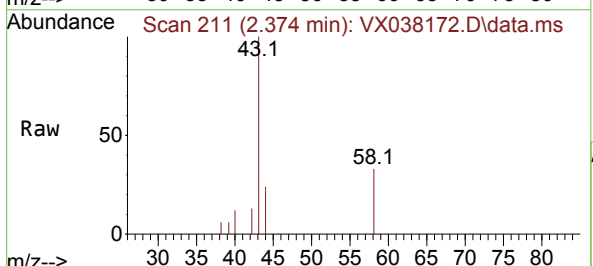
Acq: 09 Oct 2023 15:23

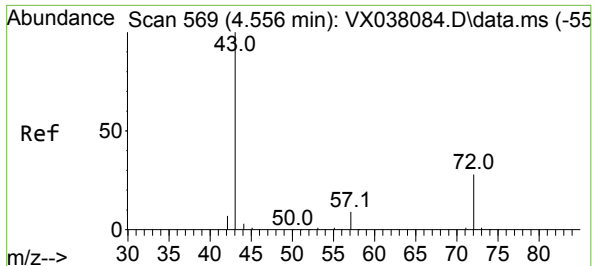
Tgt Ion: 43 Resp: 2064

Ion Ratio Lower Upper

43 100

58 33.3 21.9 32.9#

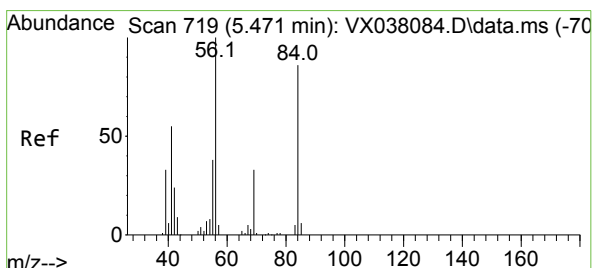
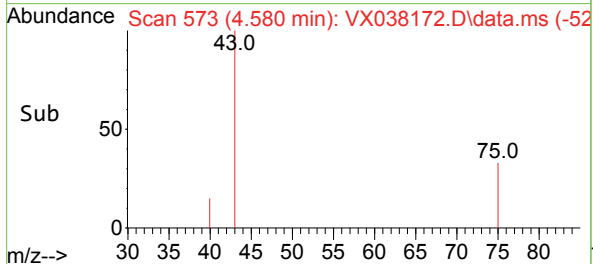
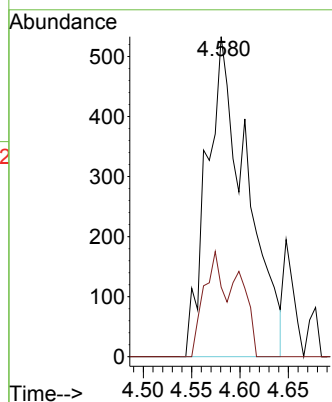
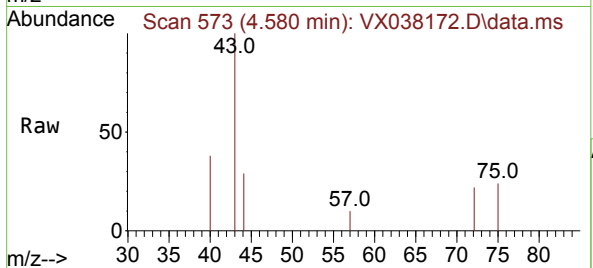




#25  
2-Butanone  
Concen: 1.280 ug/l  
RT: 4.580 min Scan# 51  
Delta R.T. 0.024 min  
Lab File: VX038172.D  
Acq: 09 Oct 2023 15:23

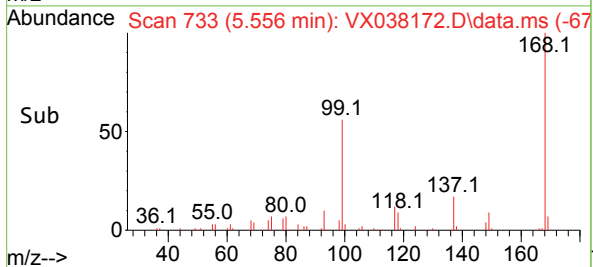
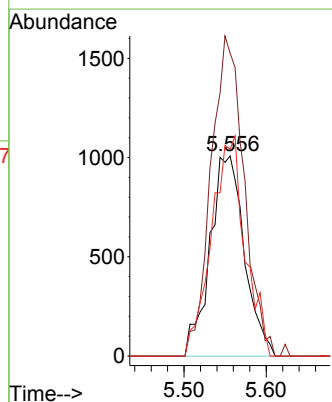
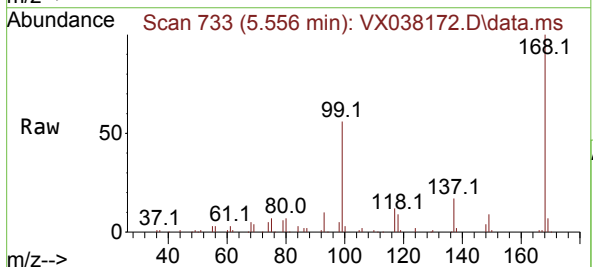
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10A-GW-658-660

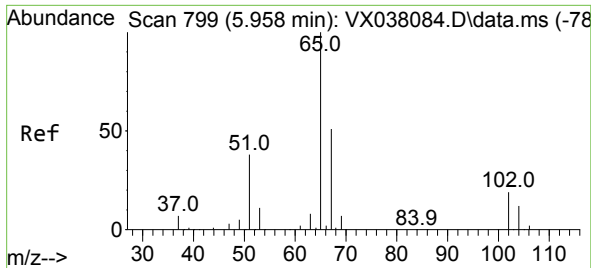
Tgt Ion: 43 Resp: 1528  
Ion Ratio Lower Upper  
43 100  
72 21.8 19.4 29.2



#31  
Cyclohexane  
Concen: 1.532 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.085 min  
Lab File: VX038172.D  
Acq: 09 Oct 2023 15:23

Tgt Ion: 56 Resp: 2942  
Ion Ratio Lower Upper  
56 100  
69 151.4 23.4 35.2#  
84 103.4 65.9 98.9#

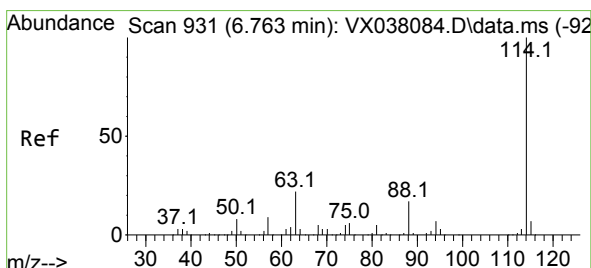
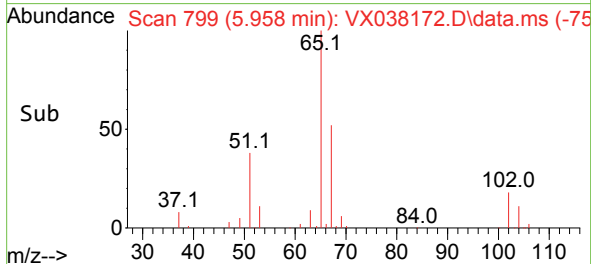
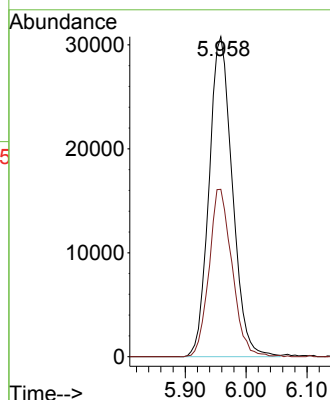
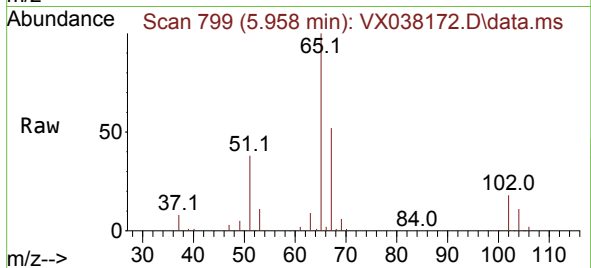




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.190 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX038172.D  
 Acq: 09 Oct 2023 15:23

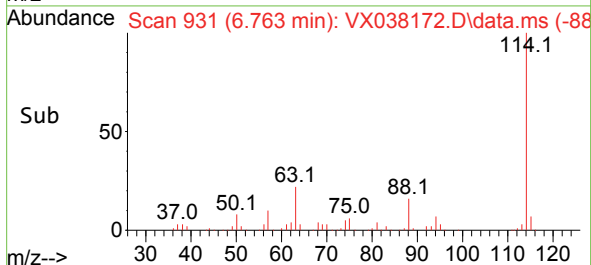
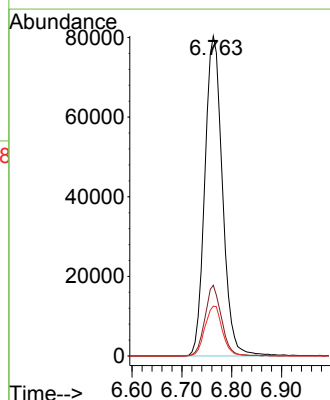
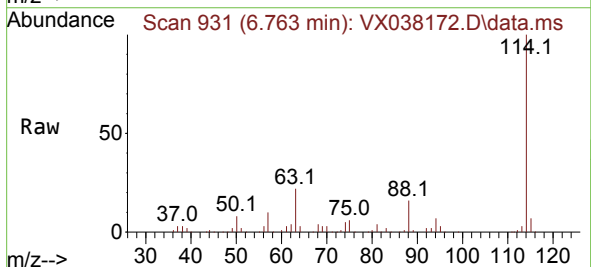
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB-RW10A-GW-658-660

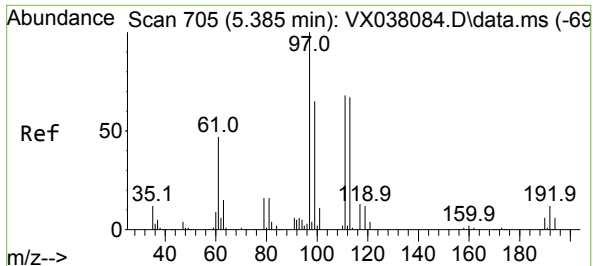
Tgt Ion: 65 Resp: 81895  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 100.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. 0.000 min  
 Lab File: VX038172.D  
 Acq: 09 Oct 2023 15:23

Tgt Ion: 114 Resp: 197033  
 Ion Ratio Lower Upper  
 114 100  
 63 22.1 0.0 45.0  
 88 15.6 0.0 36.6

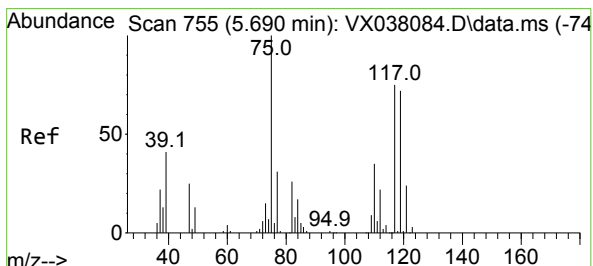
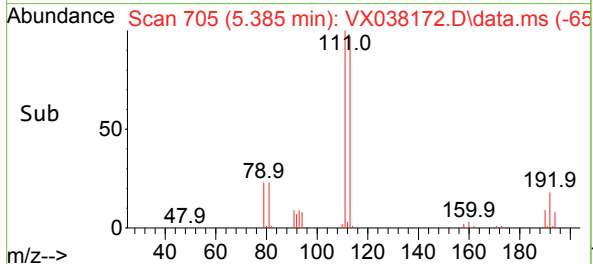
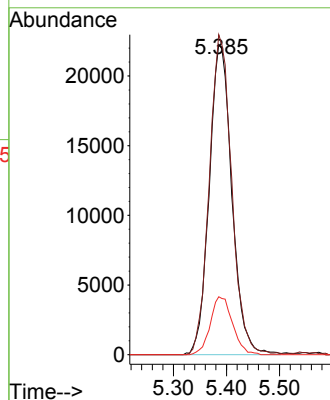
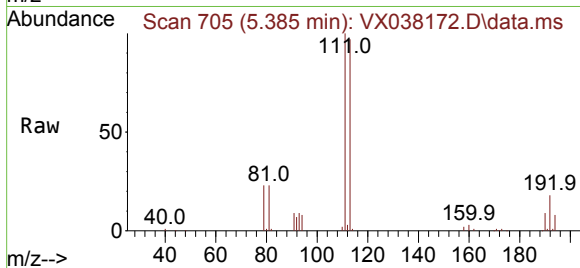




#35  
Dibromofluoromethane  
Concen: 46.432 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX038172.D  
Acq: 09 Oct 2023 15:23

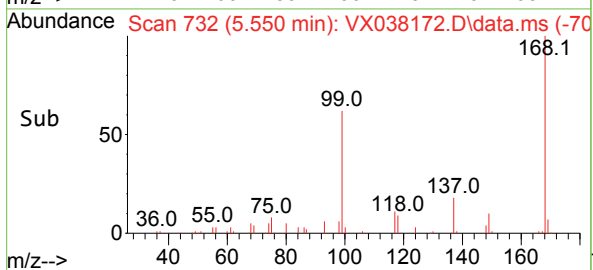
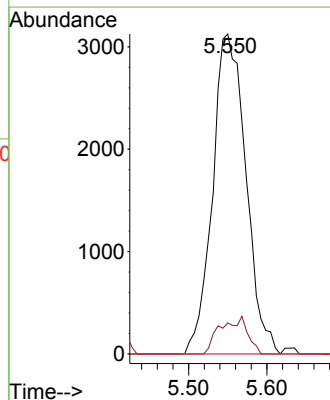
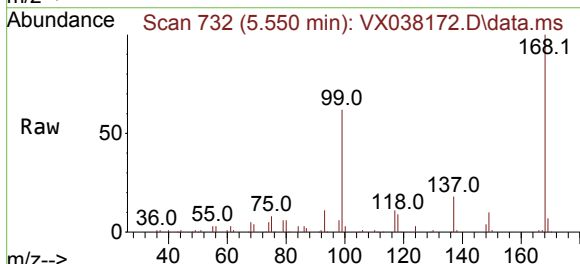
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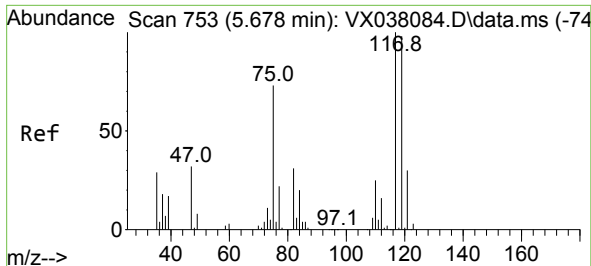
Tgt Ion:113 Resp: 65922  
Ion Ratio Lower Upper  
113 100  
111 102.2 82.9 124.3  
192 18.4 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 4.706 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX038172.D  
Acq: 09 Oct 2023 15:23

Tgt Ion: 75 Resp: 9214  
Ion Ratio Lower Upper  
75 100  
110 9.6 17.0 50.9#  
77 0.0 24.7 37.1#

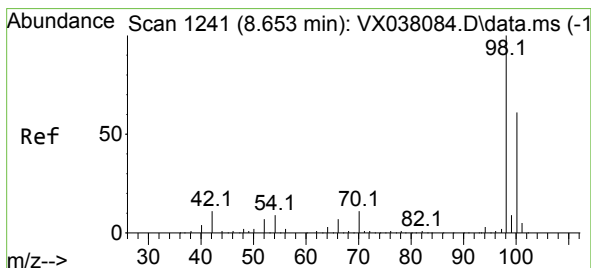
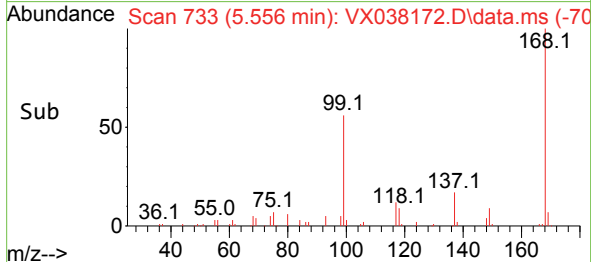
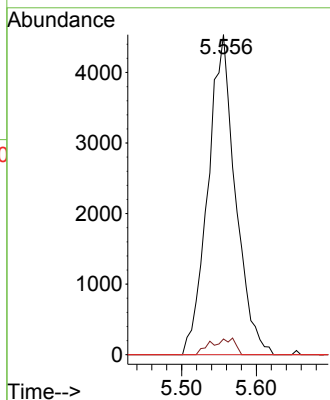
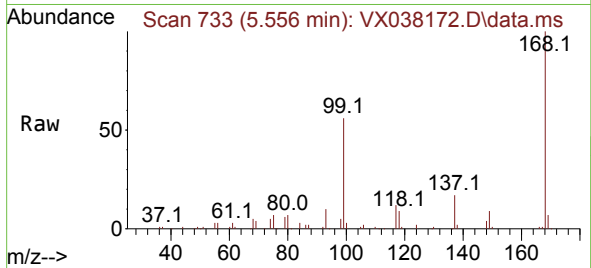




#38  
Carbon Tetrachloride  
Concen: 6.030 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX038172.D  
Acq: 09 Oct 2023 15:23

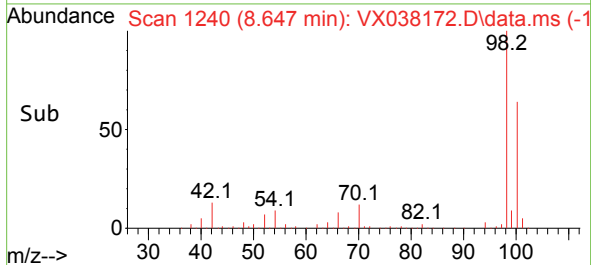
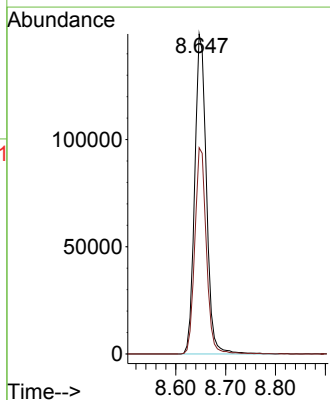
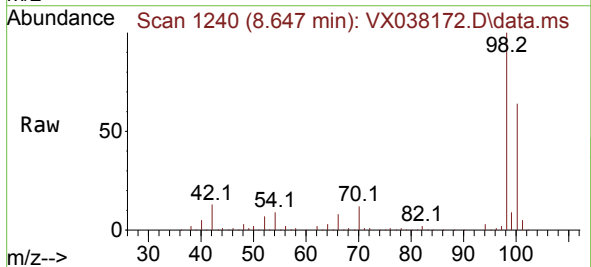
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10A-GW-658-660

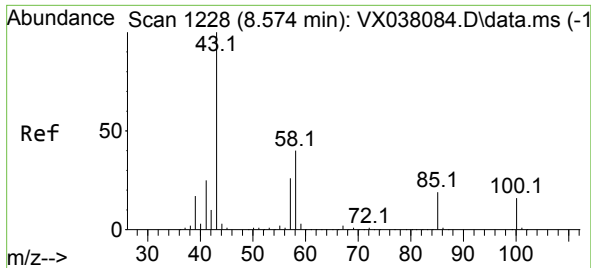
Tgt Ion:117 Resp: 11613  
Ion Ratio Lower Upper  
117 100  
119 4.9 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 44.743 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.006 min  
Lab File: VX038172.D  
Acq: 09 Oct 2023 15:23

Tgt Ion: 98 Resp: 242742  
Ion Ratio Lower Upper  
98 100  
100 63.8 53.1 79.7

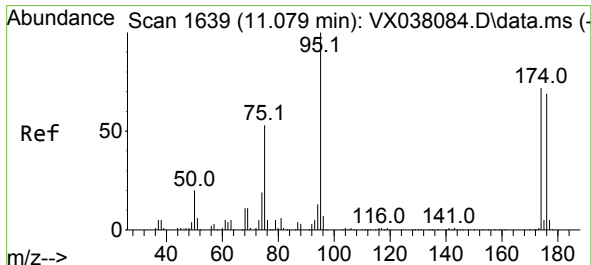
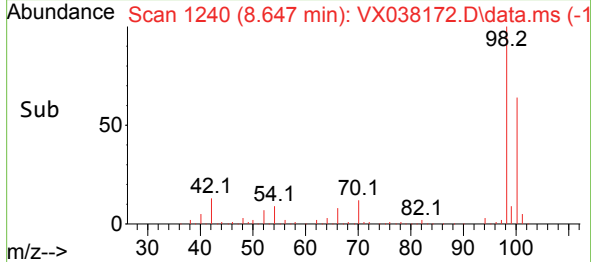
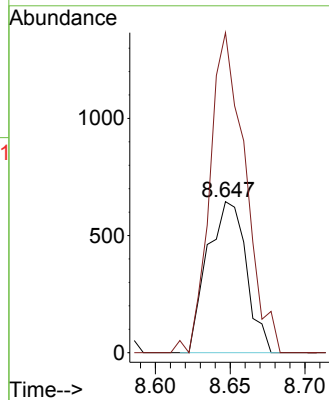
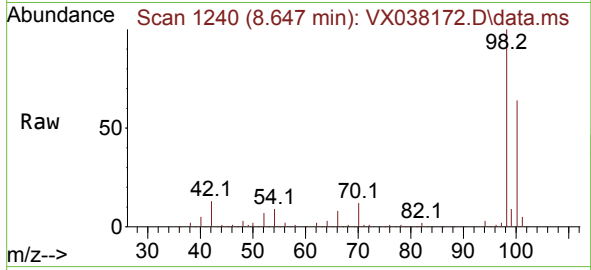




#51  
4-Methyl-2-Pentanone  
Concen: 0.485 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX038172.D  
Acq: 09 Oct 2023 15:23

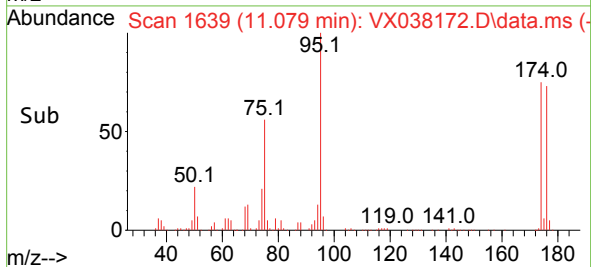
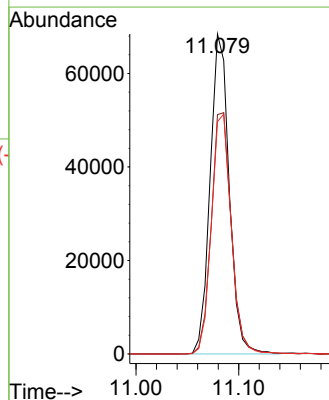
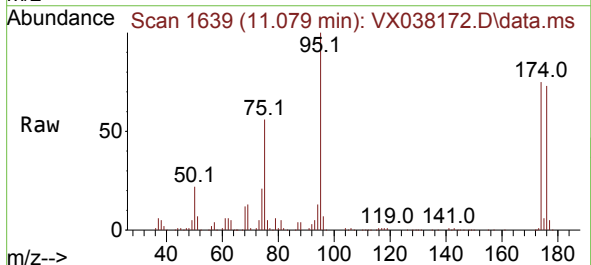
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10A-GW-658-660

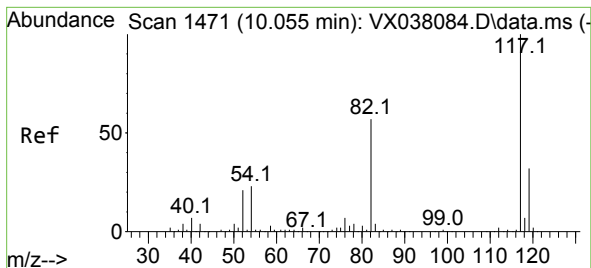
Tgt Ion: 43 Resp: 1160  
Ion Ratio Lower Upper  
43 100  
58 193.4 30.4 45.6#



#62  
4-Bromofluorobenzene  
Concen: 42.979 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX038172.D  
Acq: 09 Oct 2023 15:23

Tgt Ion: 95 Resp: 88398  
Ion Ratio Lower Upper  
95 100  
174 79.5 0.0 135.6  
176 78.0 0.0 131.0

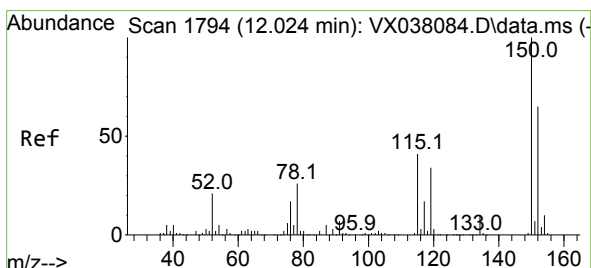
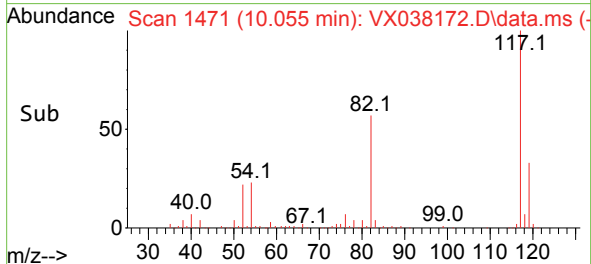
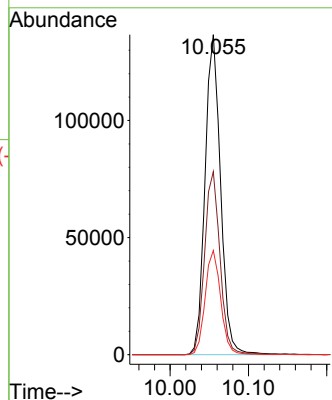
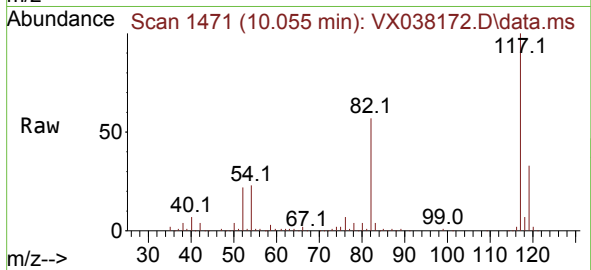




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX038172.D  
Acq: 09 Oct 2023 15:23

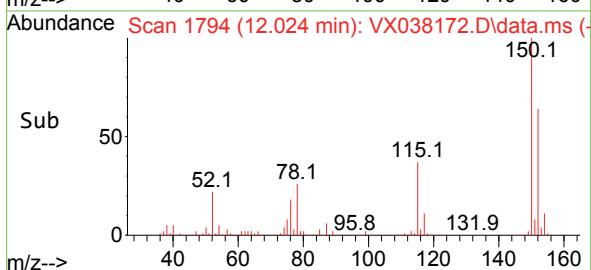
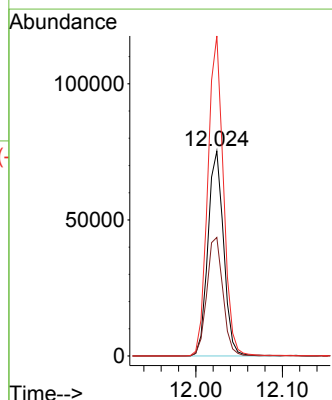
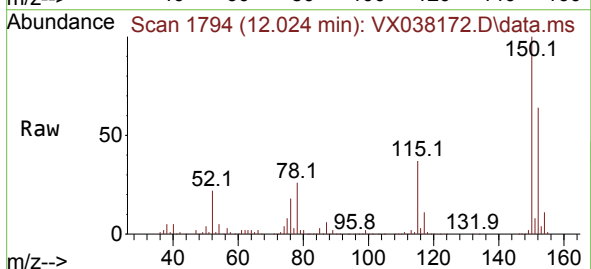
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10A-GW-658-660

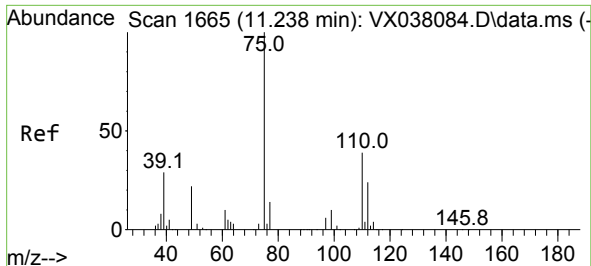
Tgt Ion:117 Resp: 188040  
Ion Ratio Lower Upper  
117 100  
82 57.2 46.2 69.4  
119 32.5 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX038172.D  
Acq: 09 Oct 2023 15:23

Tgt Ion:152 Resp: 94784  
Ion Ratio Lower Upper  
152 100  
115 59.5 43.3 129.9  
150 156.2 0.0 345.0

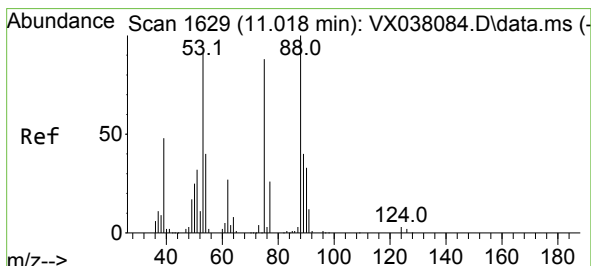
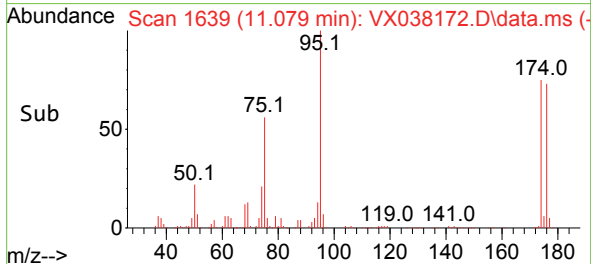
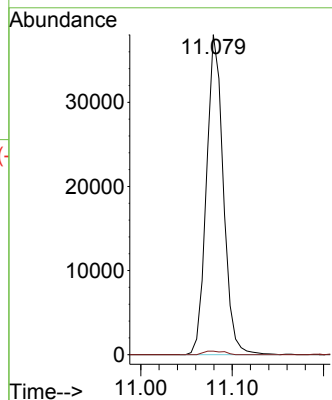
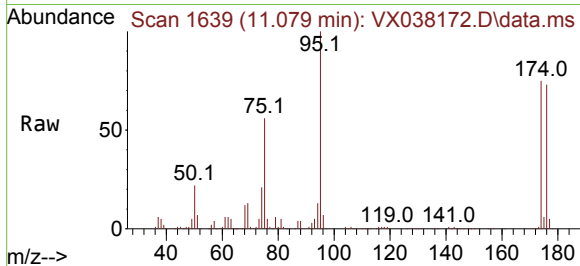




#76  
1,2,3-Trichloropropane  
Concen: 22.518 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX038172.D  
Acq: 09 Oct 2023 15:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10A-GW-658-660

Tgt Ion: 75 Resp: 48522  
Ion Ratio Lower Upper  
75 100  
77 1.4 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 64.481 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX038172.D  
Acq: 09 Oct 2023 15:23

Tgt Ion: 75 Resp: 48522  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#

