

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021225\  
 Data File : VX044928.D  
 Acq On : 12 Feb 2025 13:17  
 Operator : JC/MD  
 Sample : Q1347-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB-192-GW-640-642

Quant Time: Feb 13 00:50:24 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

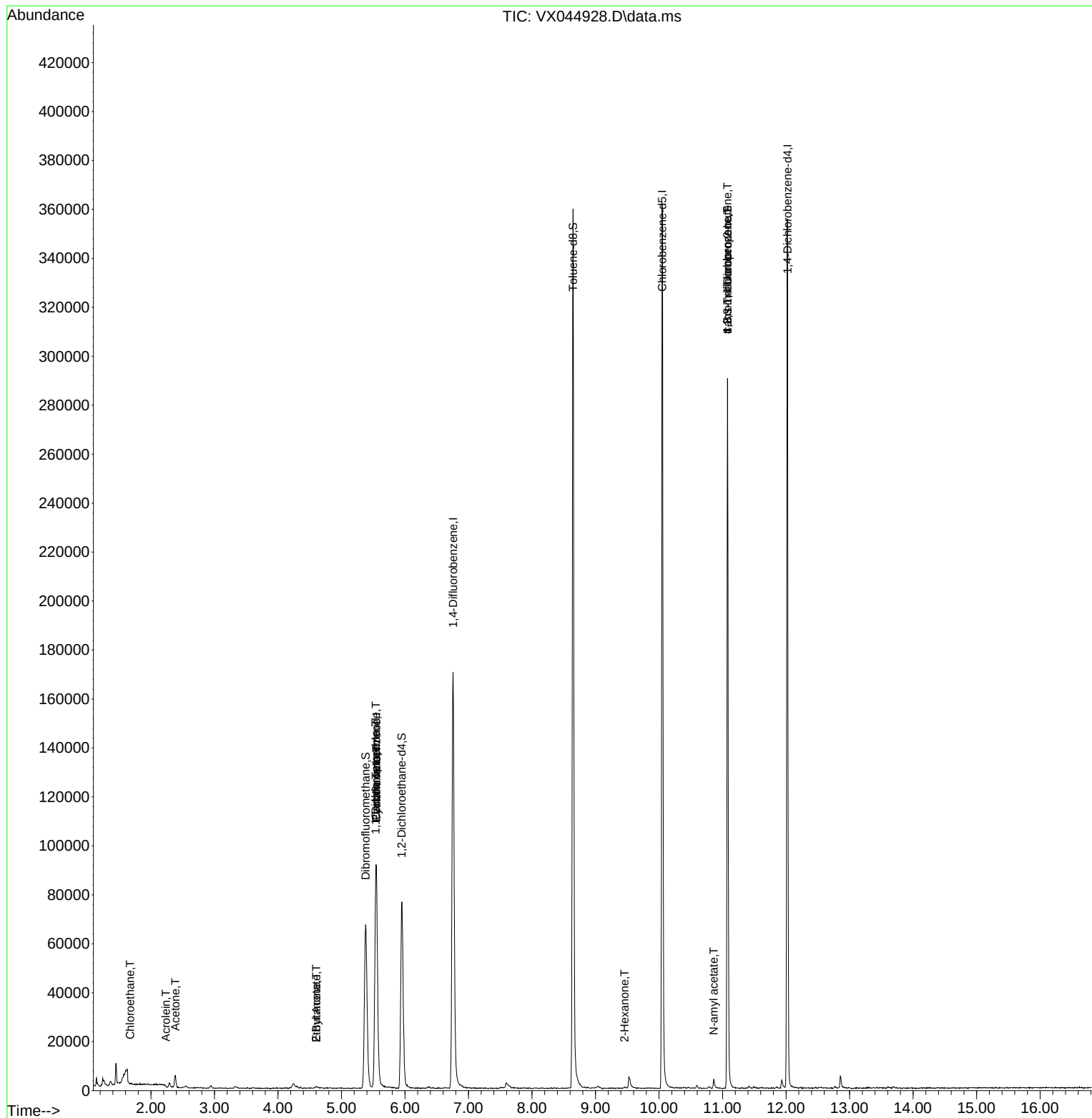
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.549     | 168   | 87862    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.756     | 114   | 179992   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.049    | 117   | 164982   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 70282    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.946     | 65    | 71223    | 55.377   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 74 - 125 | Recovery | = 110.760% |          |
| 35) Dibromofluoromethane      | 5.379     | 113   | 60220    | 51.459   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | = 102.920% |          |
| 50) Toluene-d8                | 8.646     | 98    | 221052   | 49.953   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 86 - 113 | Recovery | = 99.900%  |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 77408    | 51.888   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 77 - 121 | Recovery | = 103.780% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 6) Chloroethane               | 1.672     | 64    | 88       | 1.466    | ug/l #     | 42       |
| 13) Acrolein                  | 2.233     | 56    | 142      | 0.577    | ug/l       | 91       |
| 16) Acetone                   | 2.385     | 43    | 5620     | 10.870   | ug/l #     | 85       |
| 25) 2-Butanone                | 4.604     | 43    | 1848     | 2.201    | ug/l       | 96       |
| 31) Cyclohexane               | 5.549     | 56    | 2427     | 1.215    | ug/l #     | 9        |
| 36) 1,1-Dichloropropene       | 5.537     | 75    | 7955     | 4.712    | ug/l #     | 50       |
| 37) Ethyl Acetate             | 4.604     | 43    | 1848     | 0.984    | ug/l #     | 69       |
| 38) Carbon Tetrachloride      | 5.543     | 117   | 9147     | 5.529    | ug/l #     | 18       |
| 59) 2-Hexanone                | 9.457     | 43    | 596      | 0.449    | ug/l #     | 54       |
| 74) N-amyl acetate            | 10.859    | 43    | 795      | 0.310    | ug/l #     | 32       |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 40506    | 25.994   | ug/l #     | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 40506    | 66.868   | ug/l #     | 11       |
| -----                         |           |       |          |          |            |          |

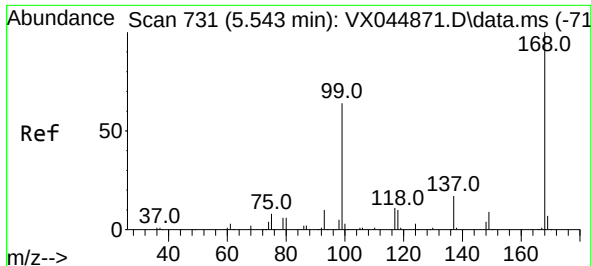
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021225\  
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MSVOA\_X  
ClientSampleId :  
BP-VPB-192-GW-640-642

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

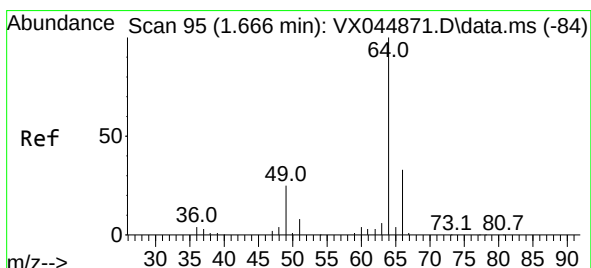
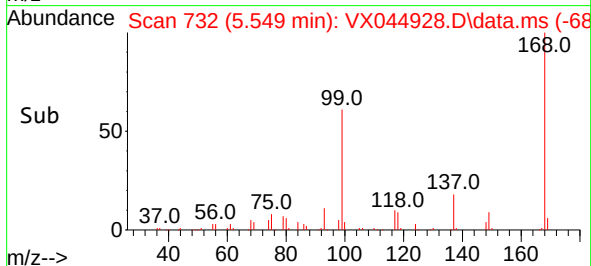
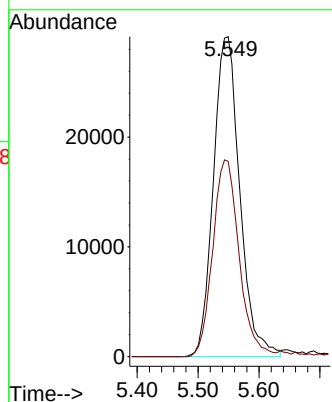
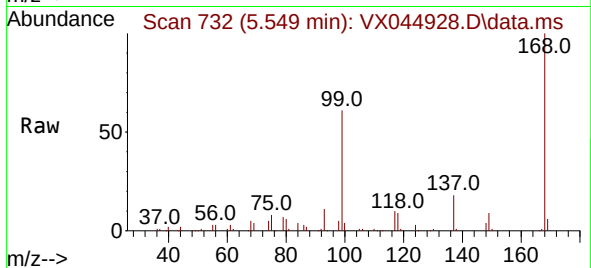




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.549 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX044928.D  
Acq: 12 Feb 2025 13:17

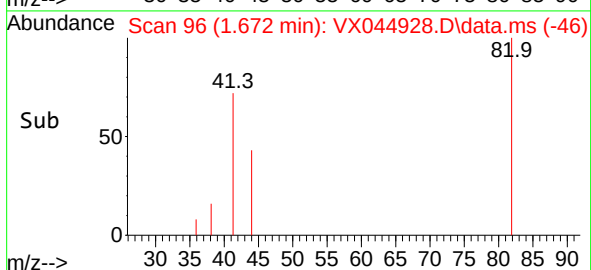
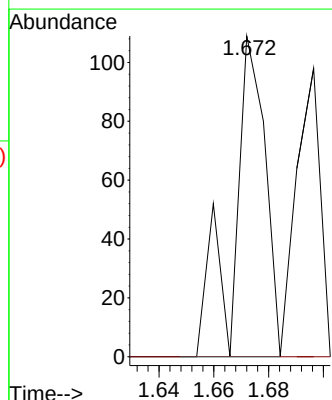
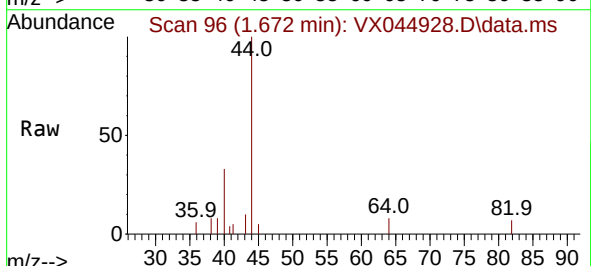
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-192-GW-640-642

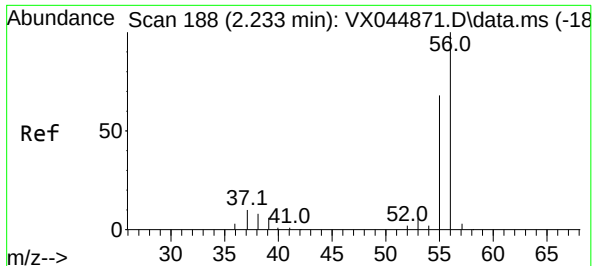
Tgt Ion:168 Resp: 87862  
Ion Ratio Lower Upper  
168 100  
99 61.0 51.2 76.8



#6  
Chloroethane  
Concen: 1.466 ug/l  
RT: 1.672 min Scan# 96  
Delta R.T. 0.006 min  
Lab File: VX044928.D  
Acq: 12 Feb 2025 13:17

Tgt Ion: 64 Resp: 88  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.9 38.9#

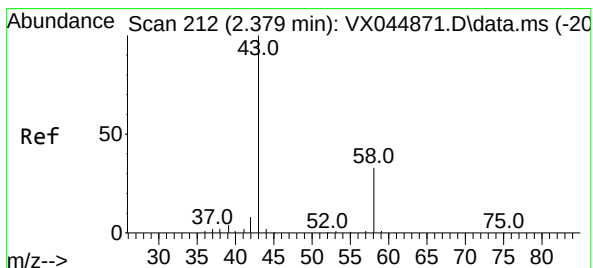
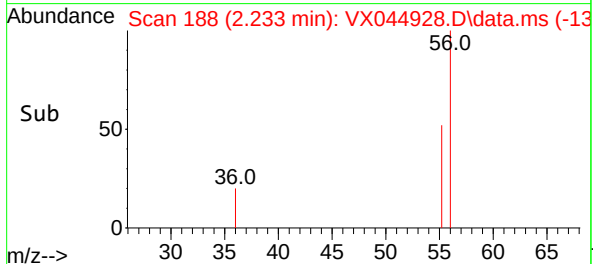
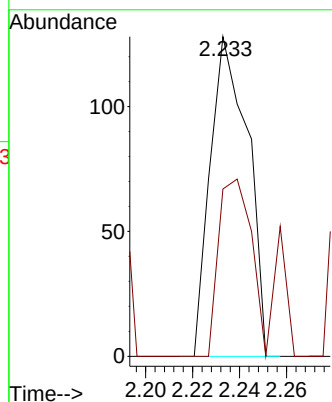
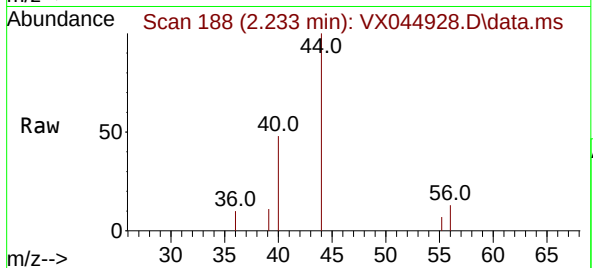




#13  
Acrolein  
Concen: 0.577 ug/l  
RT: 2.233 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX044928.D  
Acq: 12 Feb 2025 13:17

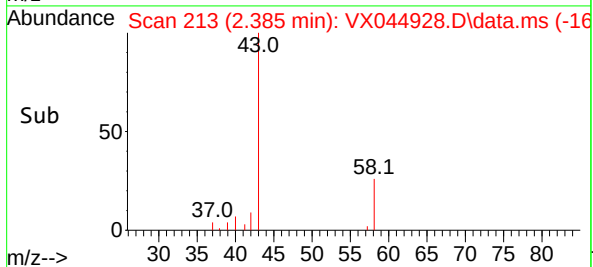
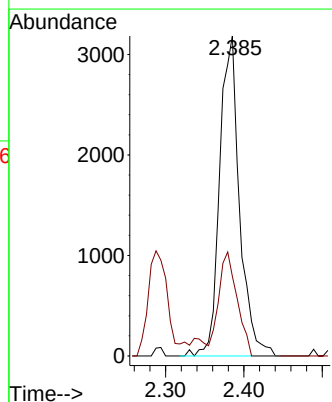
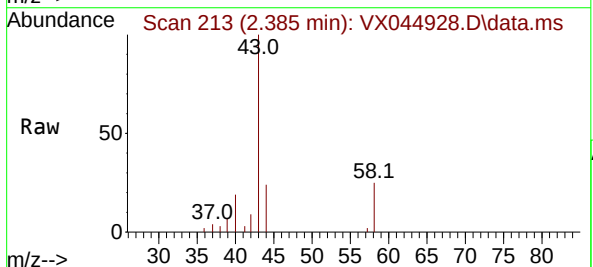
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-192-GW-640-642

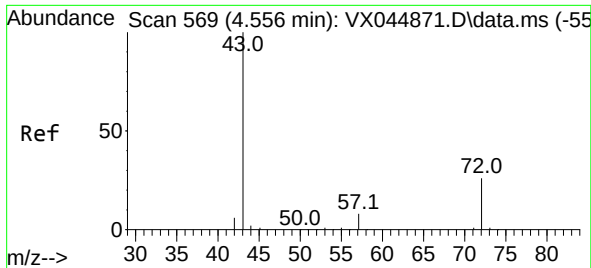
Tgt Ion: 56 Resp: 142  
Ion Ratio Lower Upper  
56 100  
55 62.0 55.7 83.5



#16  
Acetone  
Concen: 10.870 ug/l  
RT: 2.385 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX044928.D  
Acq: 12 Feb 2025 13:17

Tgt Ion: 43 Resp: 5620  
Ion Ratio Lower Upper  
43 100  
58 24.9 26.5 39.7#

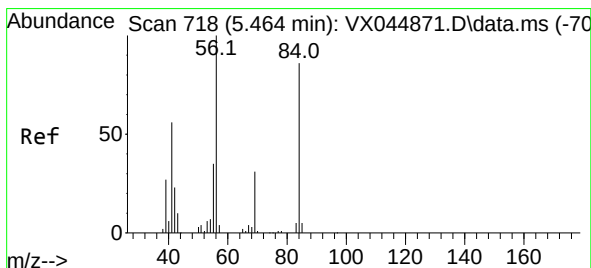
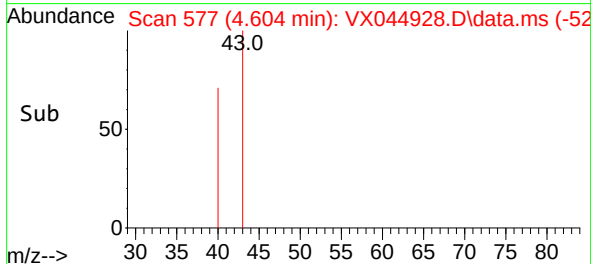
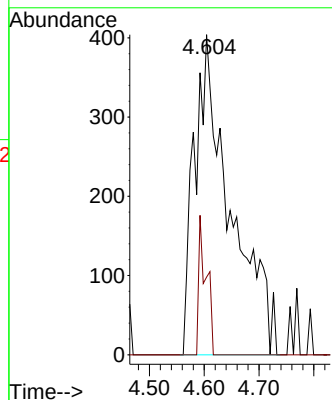
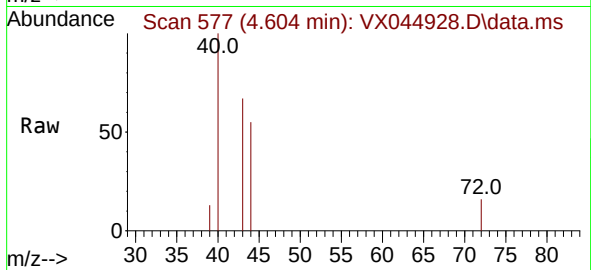




#25  
2-Butanone  
Concen: 2.201 ug/l  
RT: 4.604 min Scan# 51  
Delta R.T. 0.049 min  
Lab File: VX044928.D  
Acq: 12 Feb 2025 13:17

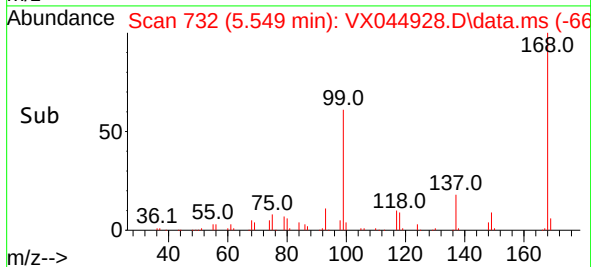
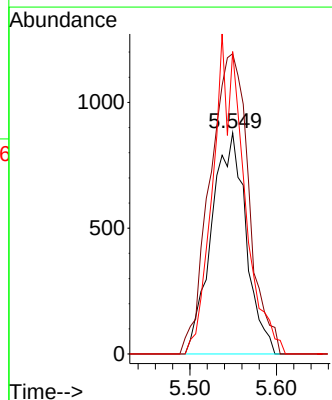
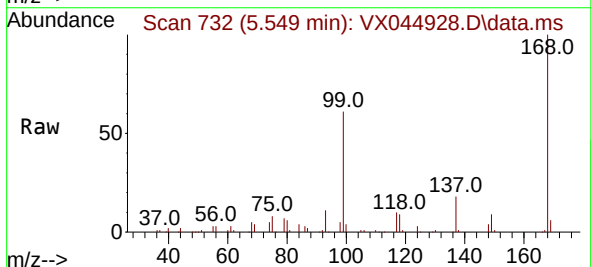
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-192-GW-640-642

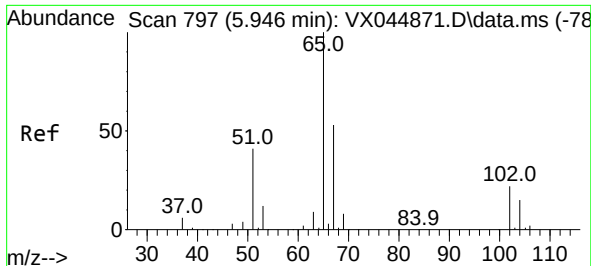
Tgt Ion: 43 Resp: 1848  
Ion Ratio Lower Upper  
43 100  
72 24.3 21.2 31.8



#31  
Cyclohexane  
Concen: 1.215 ug/l  
RT: 5.549 min Scan# 732  
Delta R.T. 0.085 min  
Lab File: VX044928.D  
Acq: 12 Feb 2025 13:17

Tgt Ion: 56 Resp: 2427  
Ion Ratio Lower Upper  
56 100  
69 135.8 24.4 36.6#  
84 136.7 69.0 103.6#

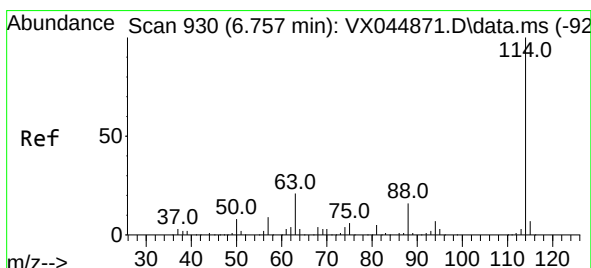
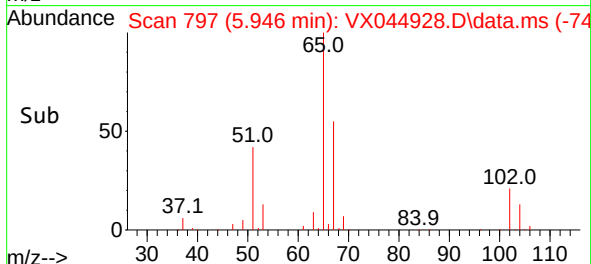
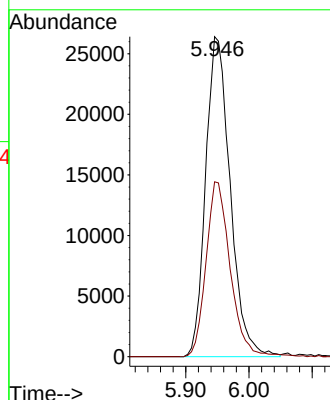
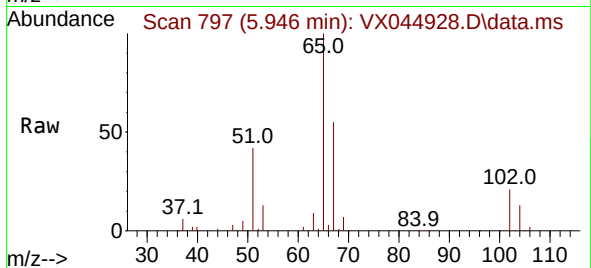




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.377 ug/l  
 RT: 5.946 min Scan# 797  
 Delta R.T. -0.000 min  
 Lab File: VX044928.D  
 Acq: 12 Feb 2025 13:17

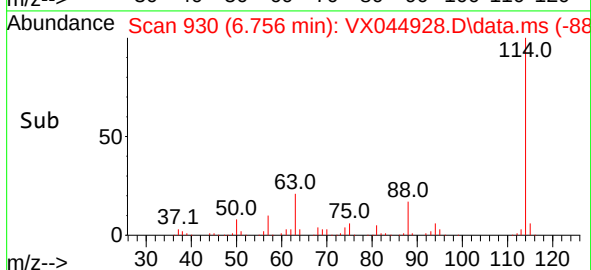
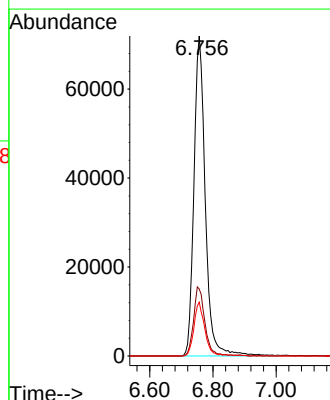
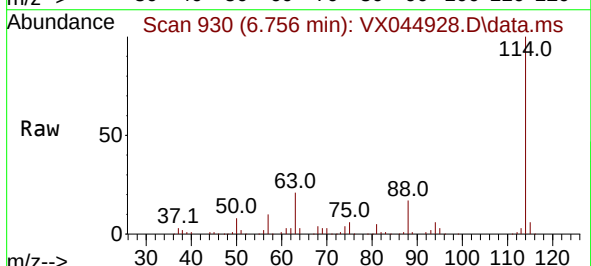
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB-192-GW-640-642

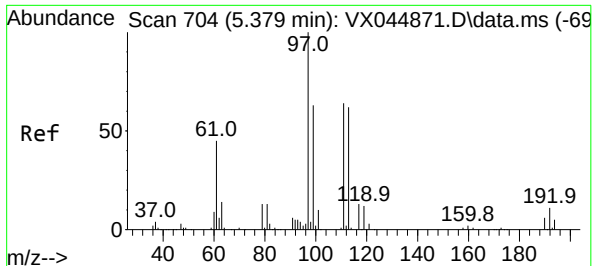
Tgt Ion: 65 Resp: 71223  
 Ion Ratio Lower Upper  
 65 100  
 67 53.9 0.0 108.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.756 min Scan# 930  
 Delta R.T. -0.000 min  
 Lab File: VX044928.D  
 Acq: 12 Feb 2025 13:17

Tgt Ion: 114 Resp: 179992  
 Ion Ratio Lower Upper  
 114 100  
 63 20.9 0.0 42.4  
 88 16.8 0.0 31.4

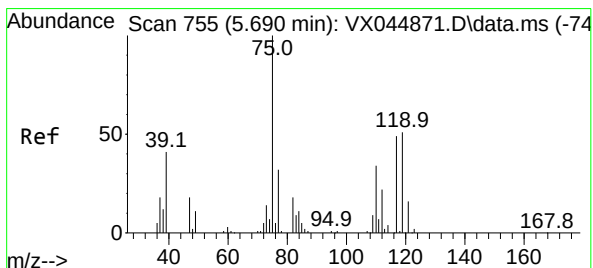
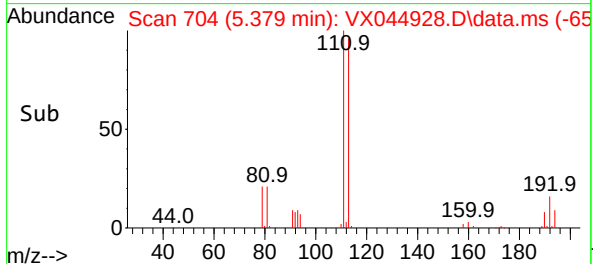
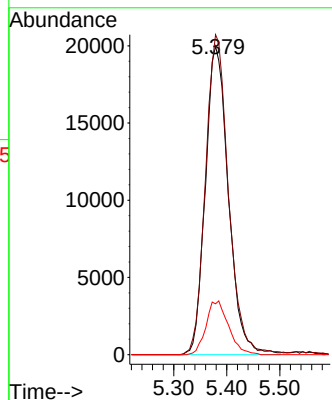
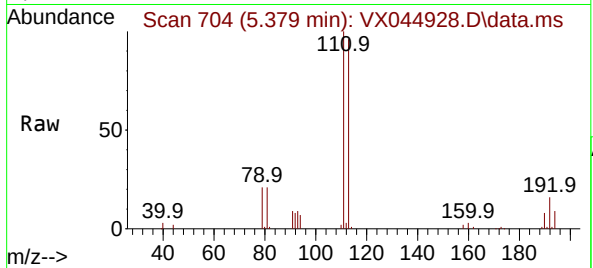




#35  
Dibromofluoromethane  
Concen: 51.459 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.000 min  
Lab File: VX044928.D  
Acq: 12 Feb 2025 13:17

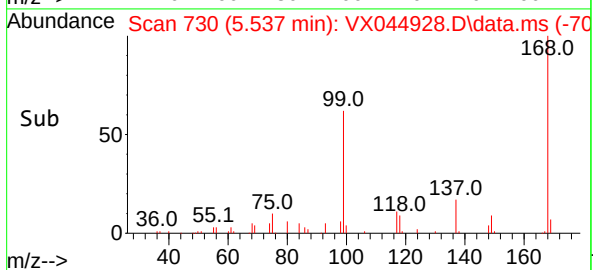
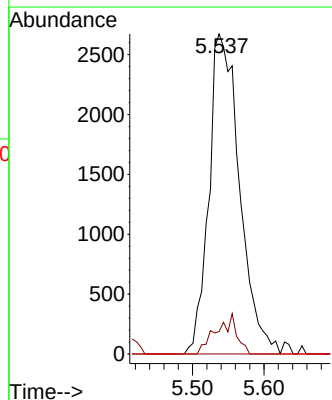
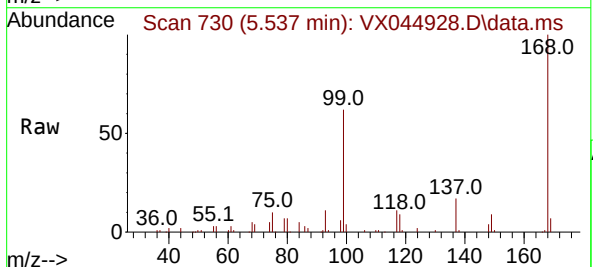
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MSVOA\_X  
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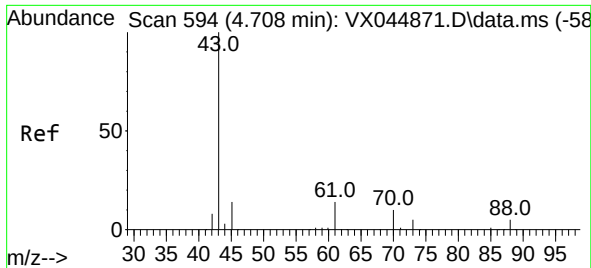
Tgt Ion:113 Resp: 60220  
Ion Ratio Lower Upper  
113 100  
111 103.7 83.5 125.3  
192 17.1 14.4 21.6



#36  
1,1-Dichloropropene  
Concen: 4.712 ug/l  
RT: 5.537 min Scan# 730  
Delta R.T. -0.152 min  
Lab File: VX044928.D  
Acq: 12 Feb 2025 13:17

Tgt Ion: 75 Resp: 7955  
Ion Ratio Lower Upper  
75 100  
110 8.3 17.2 51.6#  
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 0.984 ug/l

RT: 4.604 min Scan# 51

Delta R.T. -0.104 min

Lab File: VX044928.D

Acq: 12 Feb 2025 13:17

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB-192-GW-640-642

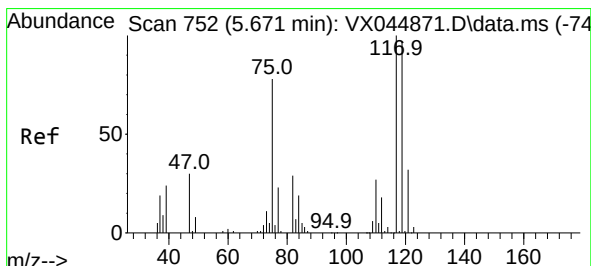
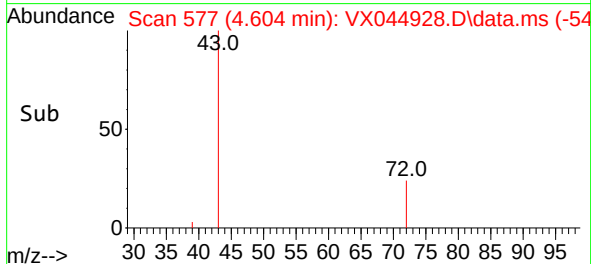
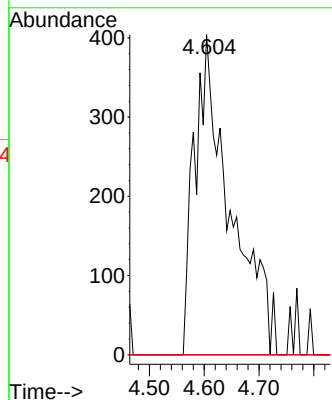
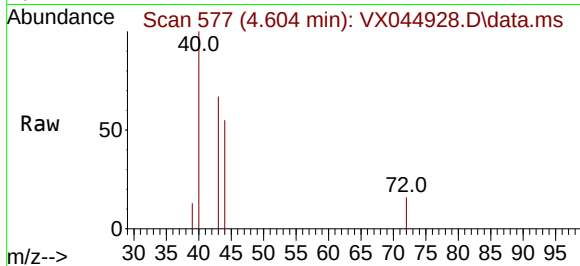
Tgt Ion: 43 Resp: 1848

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

70 0.0 8.2 12.2#



#38

Carbon Tetrachloride

Concen: 5.529 ug/l

RT: 5.543 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX044928.D

Acq: 12 Feb 2025 13:17

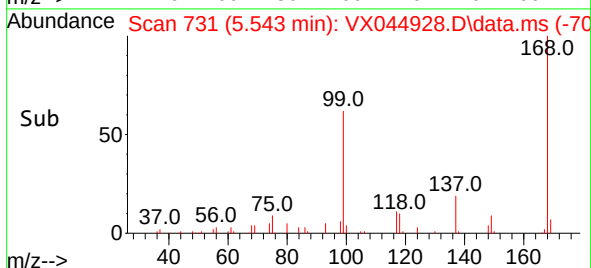
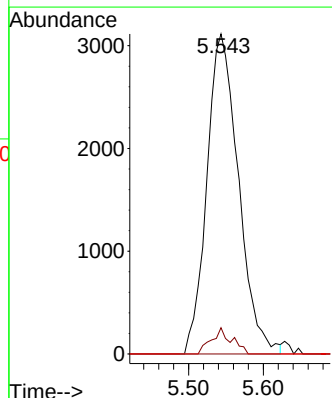
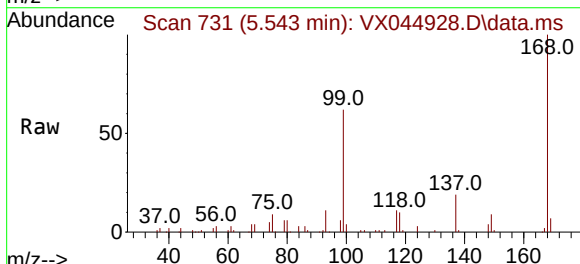
Tgt Ion: 117 Resp: 9147

Ion Ratio Lower Upper

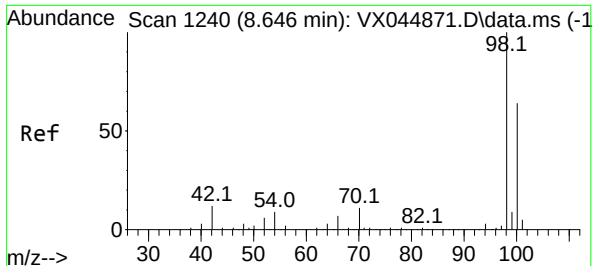
117 100

119 8.2 77.5 116.3#

121 0.0 25.6 38.4#



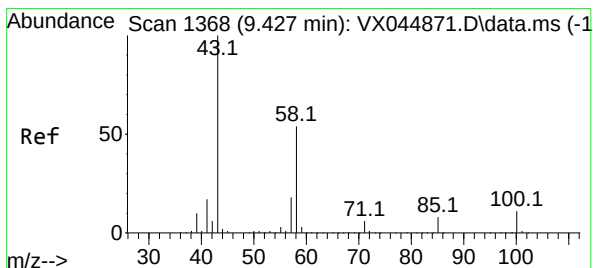
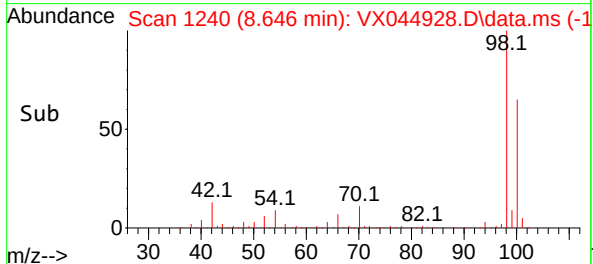
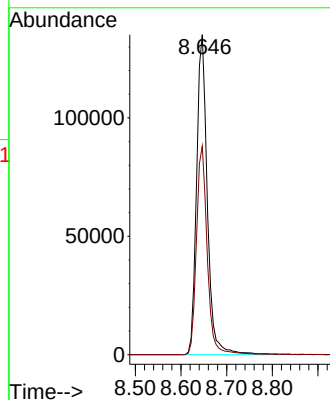
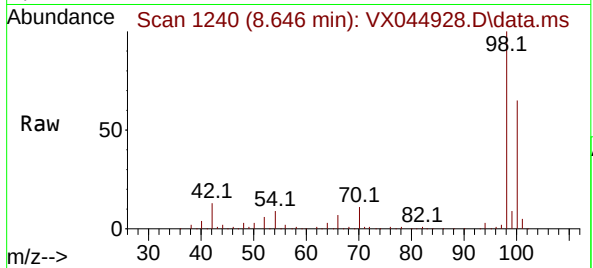




#50  
Toluene-d8  
Concen: 49.953 ug/l  
RT: 8.646 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX044928.D  
Acq: 12 Feb 2025 13:17

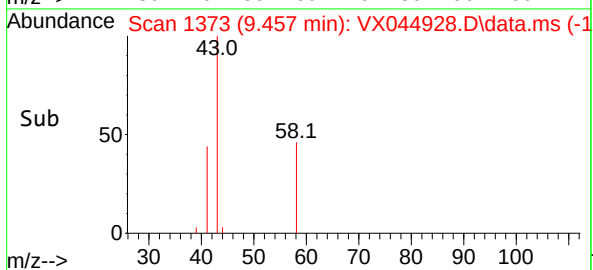
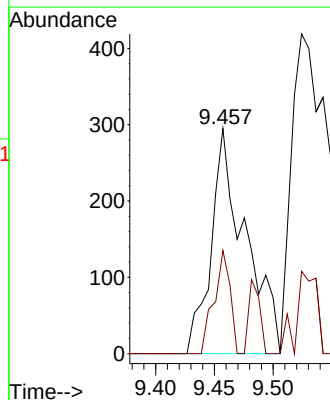
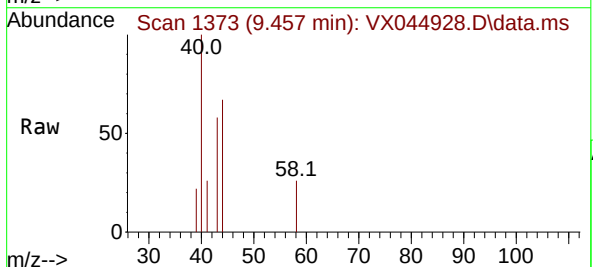
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-192-GW-640-642

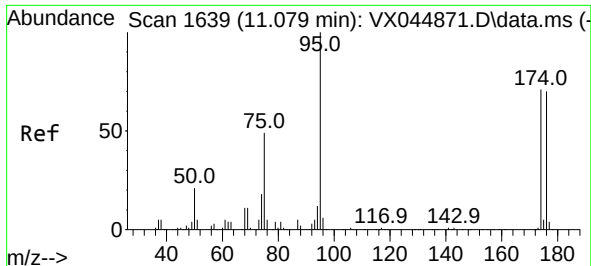
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Ion Ratio Lower Upper  
98 100  
100 65.4 52.7 79.1



#59  
2-Hexanone  
Concen: 0.449 ug/l  
RT: 9.457 min Scan# 1373  
Delta R.T. 0.030 min  
Lab File: VX044928.D  
Acq: 12 Feb 2025 13:17

Tgt Ion: 43 Resp: 596  
Ion Ratio Lower Upper  
43 100  
58 21.5 27.5 82.4#

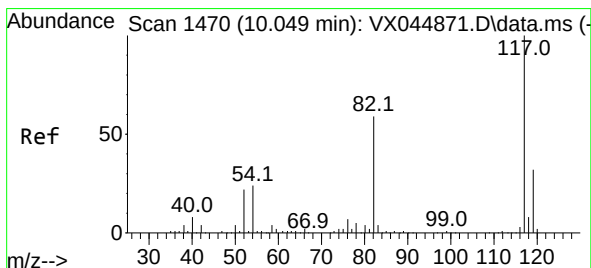
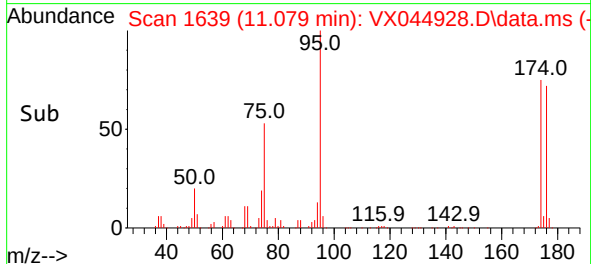
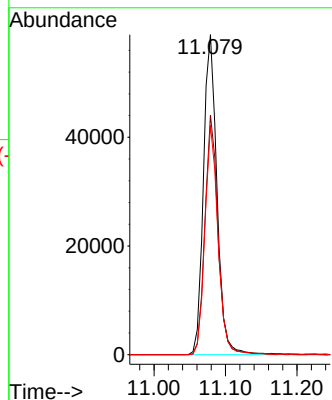
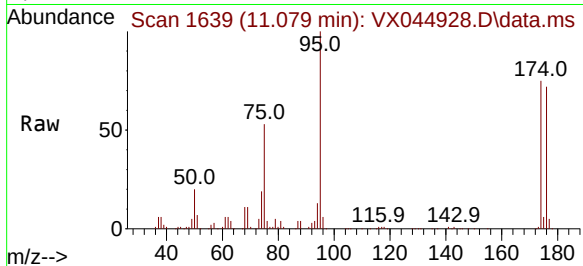




#62  
4-Bromofluorobenzene  
Concen: 51.888 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX044928.D  
Acq: 12 Feb 2025 13:17

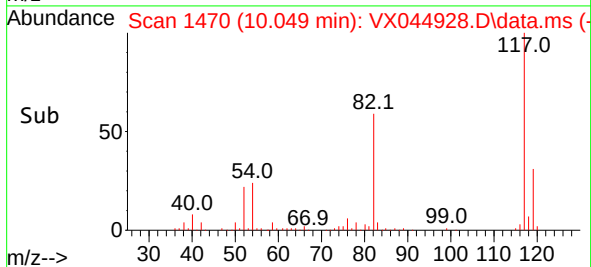
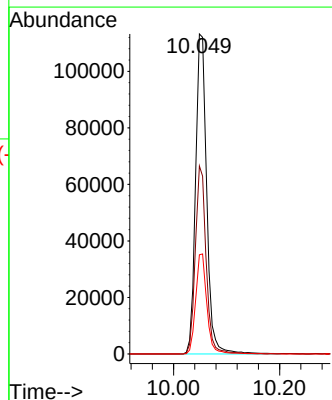
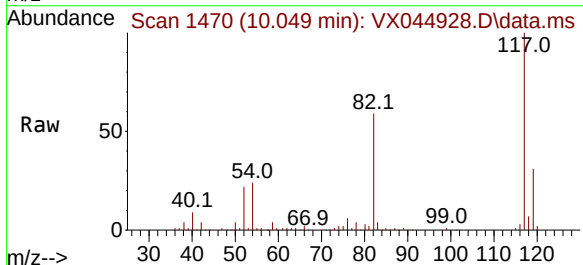
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-192-GW-640-642

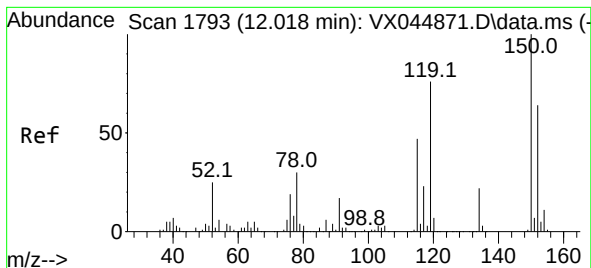
Tgt Ion: 95 Resp: 77408  
Ion Ratio Lower Upper  
95 100  
174 73.0 0.0 142.6  
176 69.7 0.0 141.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX044928.D  
Acq: 12 Feb 2025 13:17

Tgt Ion: 117 Resp: 164982  
Ion Ratio Lower Upper  
117 100  
82 58.7 47.5 71.3  
119 31.0 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX044928.D

Acq: 12 Feb 2025 13:17

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB-192-GW-640-642

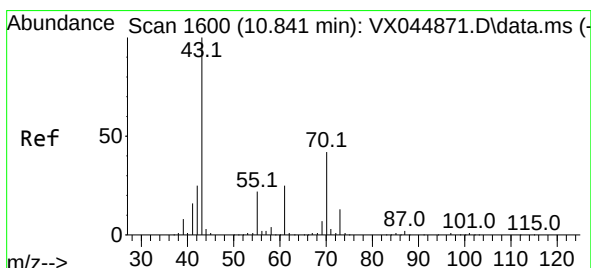
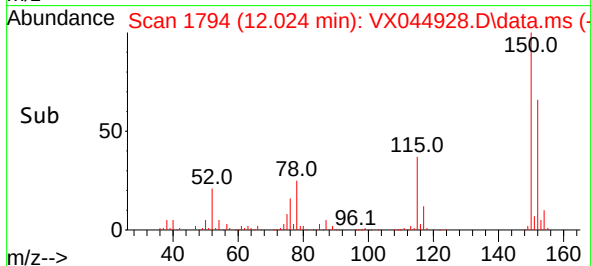
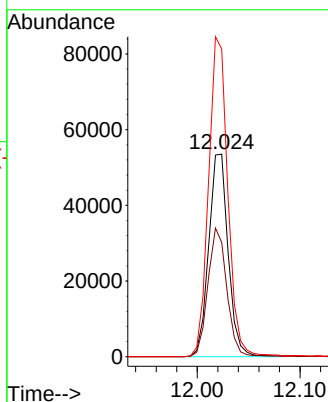
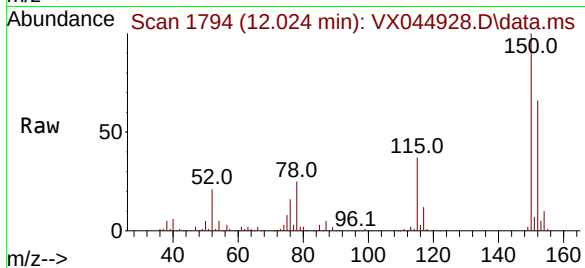
Tgt Ion:152 Resp: 70282

Ion Ratio Lower Upper

152 100

115 62.1 43.4 130.1

150 157.0 0.0 350.4



#74

N-ethyl acetate

Concen: 0.310 ug/l

RT: 10.859 min Scan# 1603

Delta R.T. 0.018 min

Lab File: VX044928.D

Acq: 12 Feb 2025 13:17

Tgt Ion: 43 Resp: 795

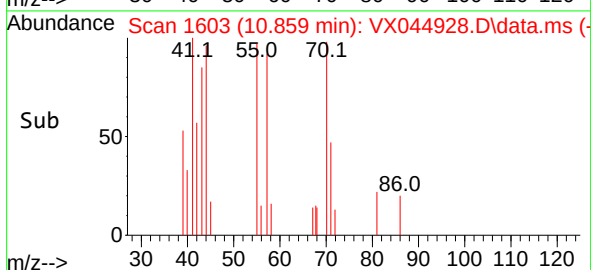
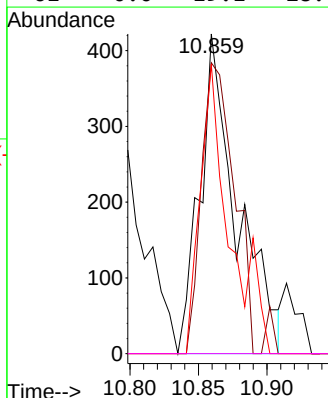
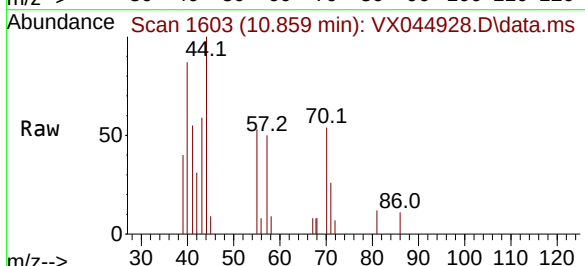
Ion Ratio Lower Upper

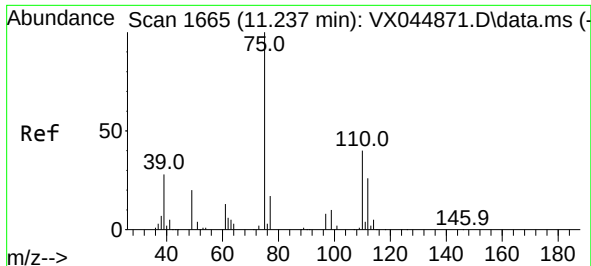
43 100

70 81.3 33.7 50.5#

55 71.4 18.6 27.8#

61 0.0 19.1 28.7#

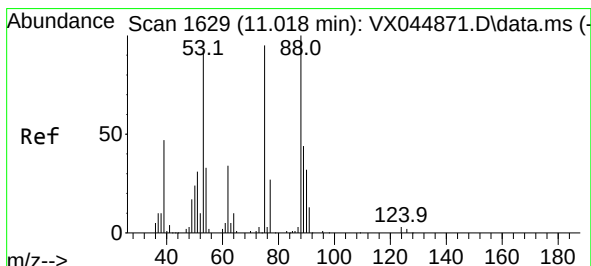
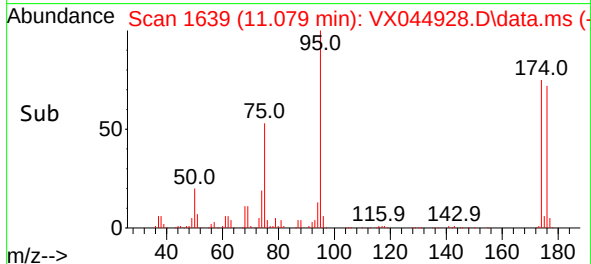
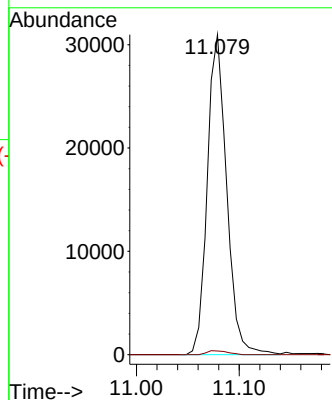
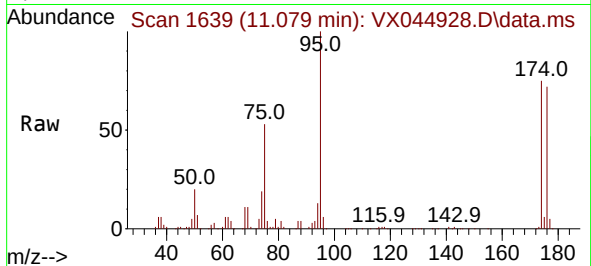




#76  
1,2,3-Trichloropropane  
Concen: 25.994 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX044928.D  
Acq: 12 Feb 2025 13:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-192-GW-640-642

Tgt Ion: 75 Resp: 40506  
Ion Ratio Lower Upper  
75 100  
77 1.3 21.9 65.7#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 66.868 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX044928.D  
Acq: 12 Feb 2025 13:17

Tgt Ion: 75 Resp: 40506  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 36.6 54.8#

