

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092624\  
 Data File : VX043177.D  
 Acq On : 26 Sep 2024 14:48  
 Operator : JC/MD  
 Sample : P4180-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 5602-75-001-NEUTRALIZATION-OUTFALL

Quant Time: Sep 27 01:42:02 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092324W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 24 03:13:52 2024  
 Response via : Initial Calibration

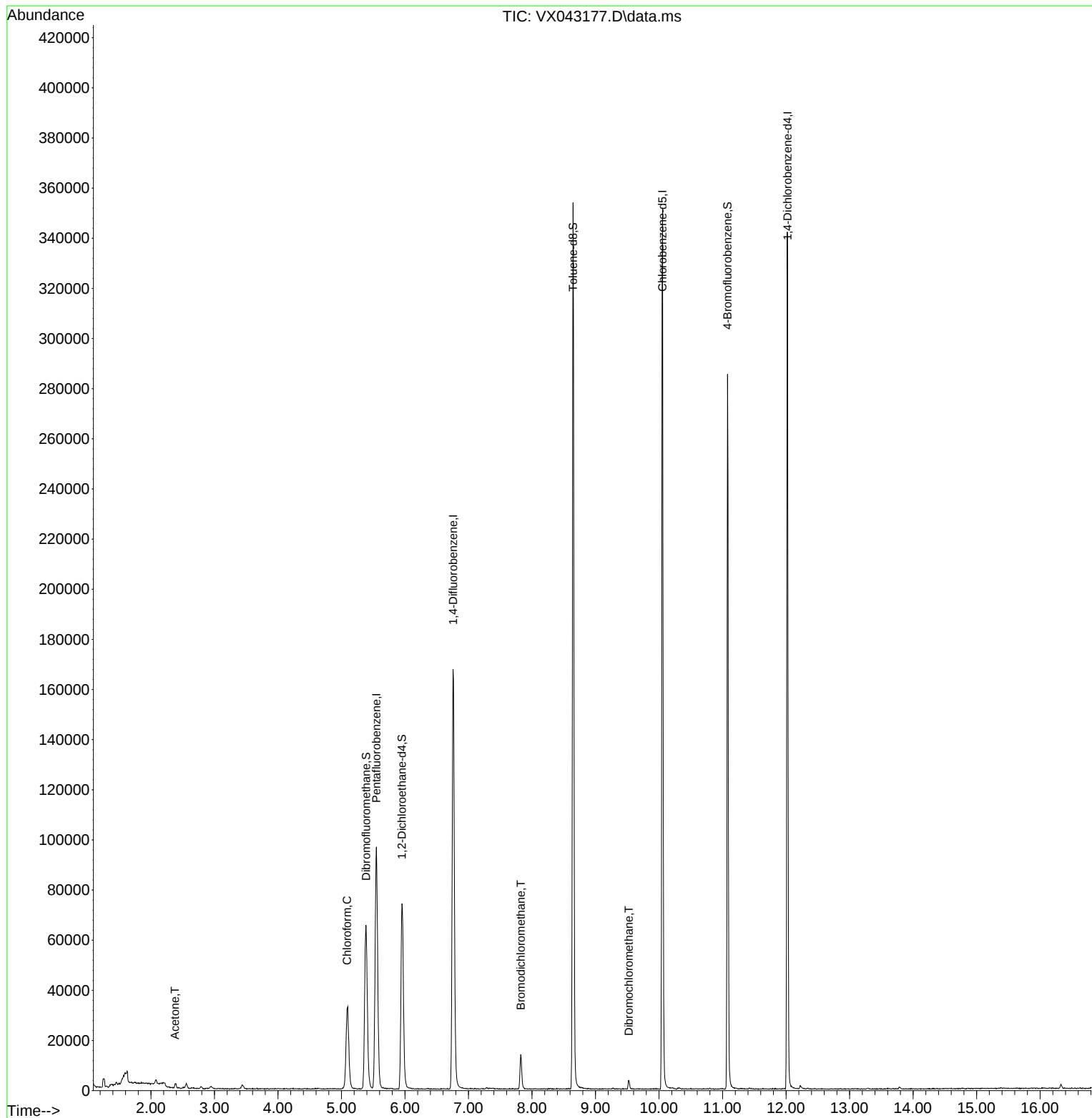
| Compound                    | R.T. QIon |       | Response | Conc     | Units | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|-------|----------|
| -----                       |           |       |          |          |       |          |
| Internal Standards          |           |       |          |          |       |          |
| 1) Pentafluorobenzene       | 5.550     | 168   | 85373    | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757     | 114   | 170067   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 10.055    | 117   | 152996   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024    | 152   | 67676    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |           |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 5.952     | 65    | 76712    | 54.095   | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | =     | 108.200% |
| 35) Dibromofluoromethane    | 5.385     | 113   | 57732    | 48.122   | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =     | 96.240%  |
| 50) Toluene-d8              | 8.647     | 98    | 207347   | 51.085   | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | =     | 102.160% |
| 62) 4-Bromofluorobenzene    | 11.079    | 95    | 75968    | 46.476   | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range | 77 - 121 | Recovery | =     | 92.960%  |
| Target Compounds            |           |       |          |          |       |          |
|                             |           |       |          |          |       | Qvalue   |
| 16) Acetone                 | 2.380     | 43    | 2316     | 3.492    | ug/l  | 98       |
| 30) Chloroform              | 5.086     | 83    | 38990    | 19.442   | ug/l  | 98       |
| 47) Bromodichloromethane    | 7.824     | 83    | 9383     | 4.946    | ug/l  | 94       |
| 60) Dibromochloromethane    | 9.525     | 129   | 1821     | 1.209    | ug/l  | 99       |
| -----                       |           |       |          |          |       |          |

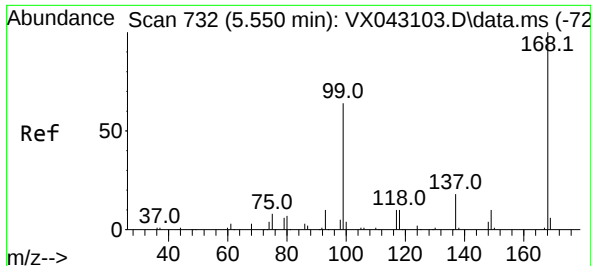
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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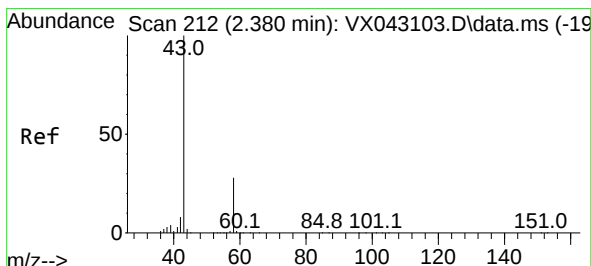
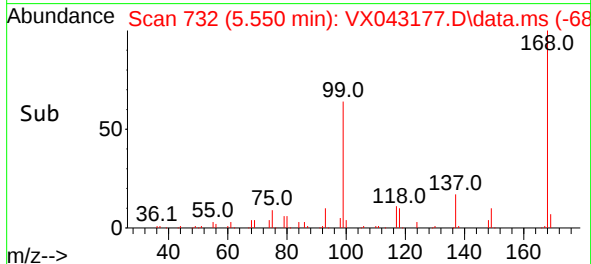
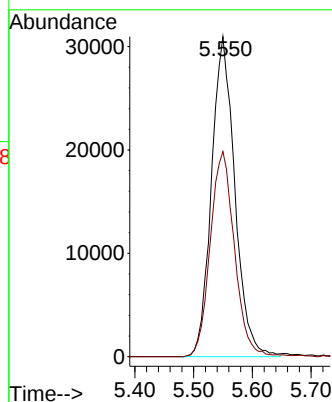
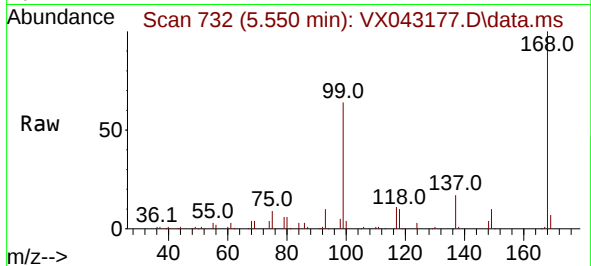




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.000 min  
Lab File: VX043177.D  
Acq: 26 Sep 2024 14:48

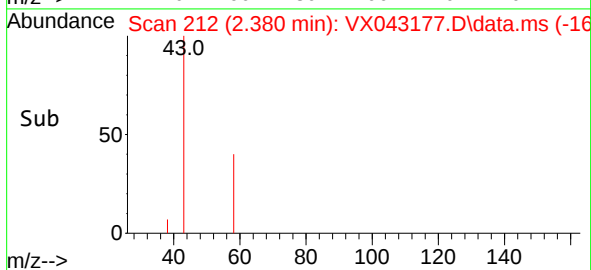
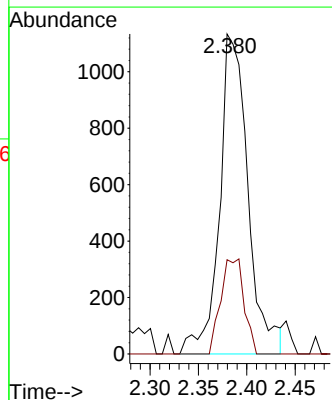
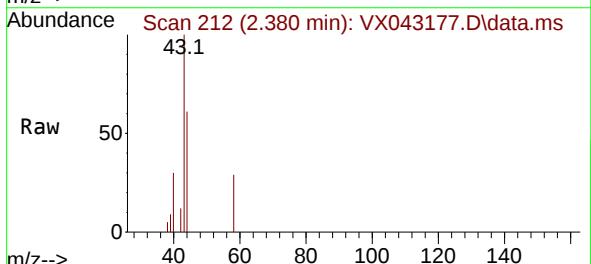
Instrument :  
MSVOA\_X  
ClientSampleId :  
5602-75-001-NEUTRALIZATION-OUTFALL

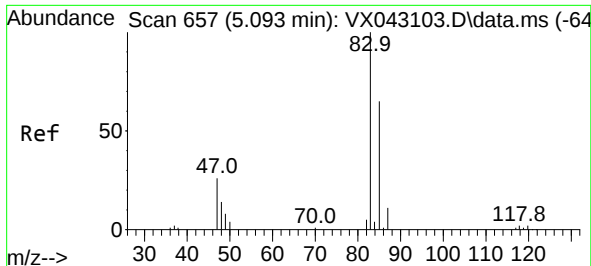
Tgt Ion:168 Resp: 85373  
Ion Ratio Lower Upper  
168 100  
99 64.1 50.8 76.2



#16  
Acetone  
Concen: 3.492 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX043177.D  
Acq: 26 Sep 2024 14:48

Tgt Ion: 43 Resp: 2316  
Ion Ratio Lower Upper  
43 100  
58 29.5 22.6 34.0





#30

Chloroform

Concen: 19.442 ug/l

RT: 5.086 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX043177.D

Acq: 26 Sep 2024 14:48

Instrument :

MSVOA\_X

ClientSampleId :

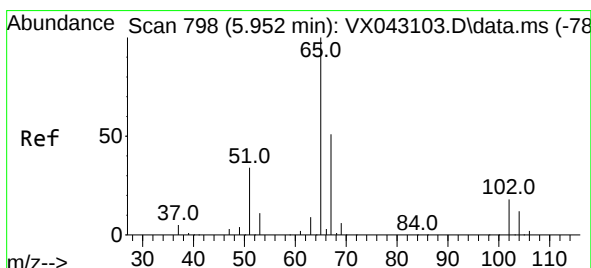
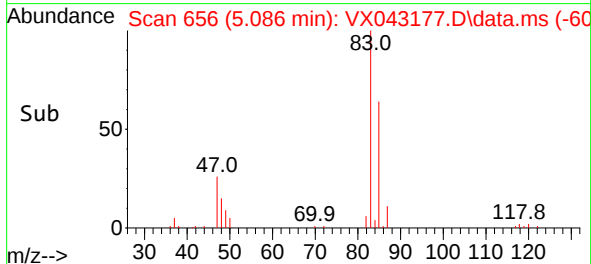
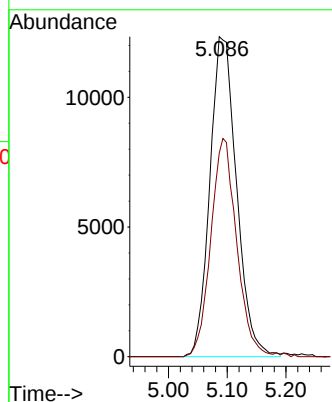
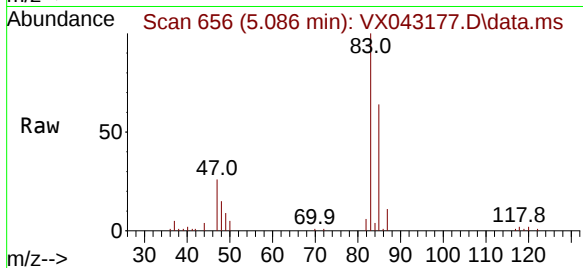
5602-75-001-NEUTRALIZATION-OUTFALL

Tgt Ion: 83 Resp: 38990

Ion Ratio Lower Upper

83 100

85 63.6 52.4 78.6



#33

1,2-Dichloroethane-d4

Concen: 54.095 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX043177.D

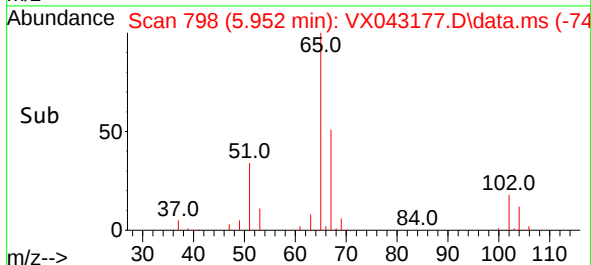
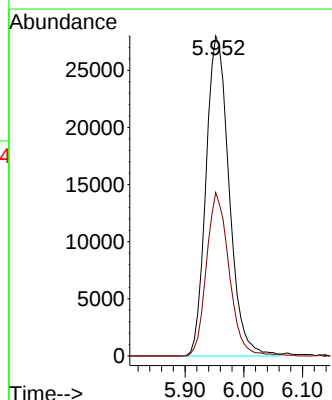
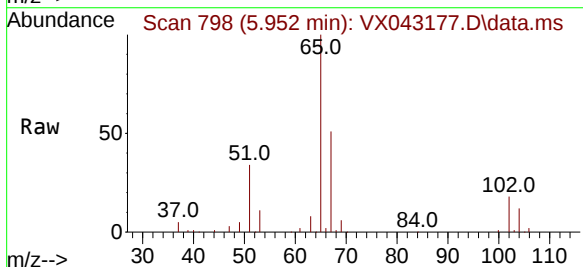
Acq: 26 Sep 2024 14:48

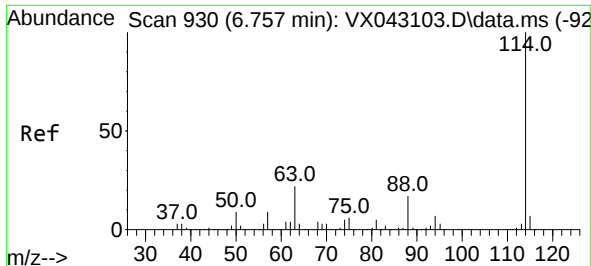
Tgt Ion: 65 Resp: 76712

Ion Ratio Lower Upper

65 100

67 49.9 0.0 99.0

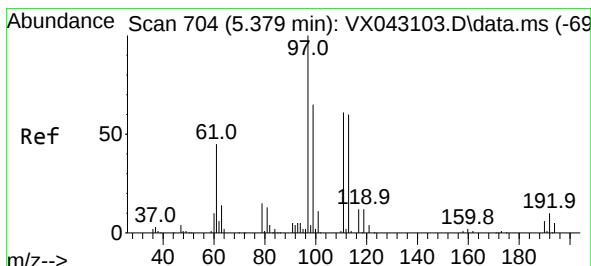
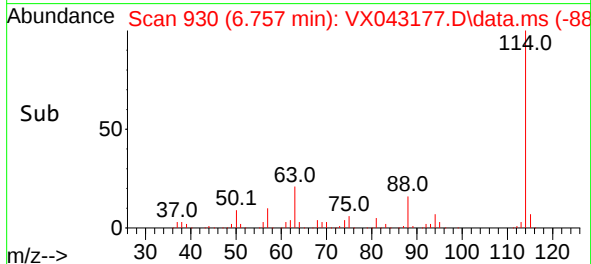
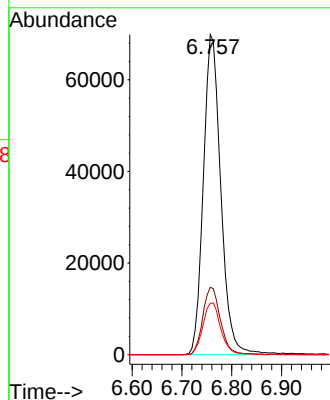
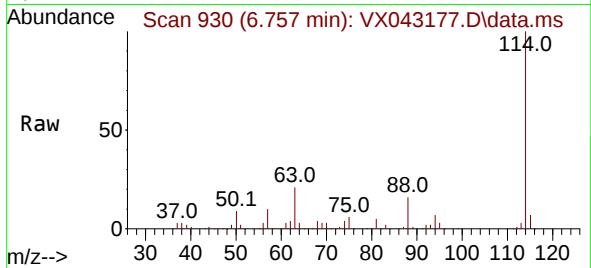




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX043177.D  
Acq: 26 Sep 2024 14:48

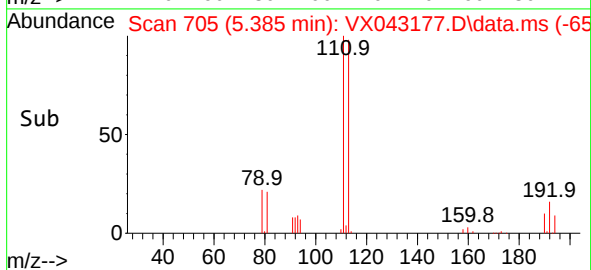
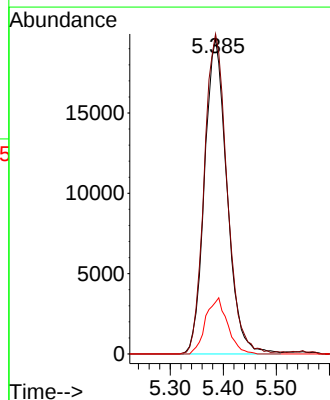
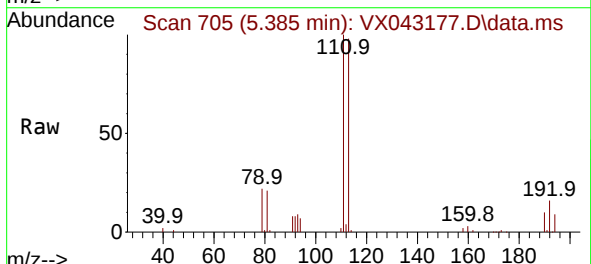
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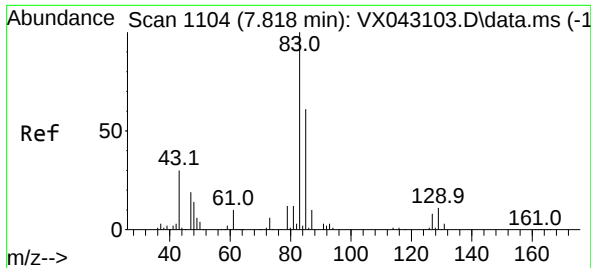
Tgt Ion:114 Resp: 170067  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 43.2  
88 16.0 0.0 33.4



#35  
Dibromofluoromethane  
Concen: 48.122 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX043177.D  
Acq: 26 Sep 2024 14:48

Tgt Ion:113 Resp: 57732  
Ion Ratio Lower Upper  
113 100  
111 103.4 82.6 124.0  
192 17.3 14.6 22.0

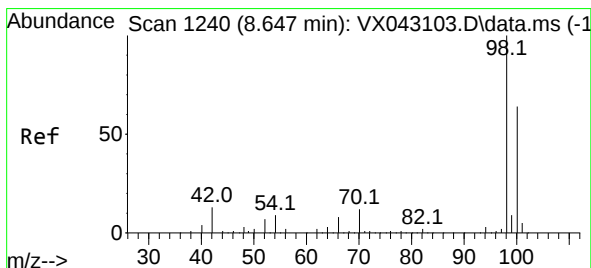
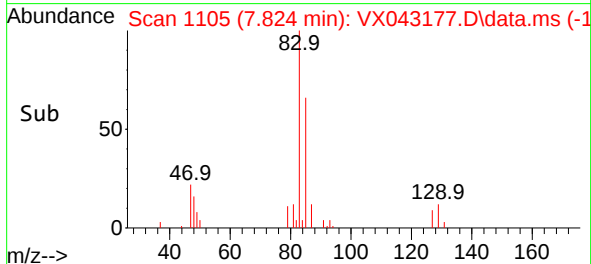
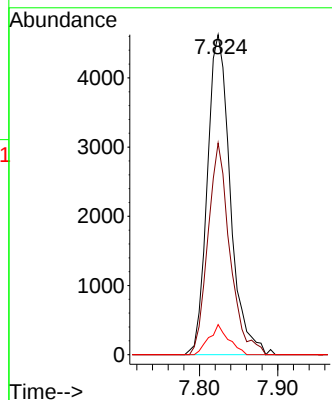
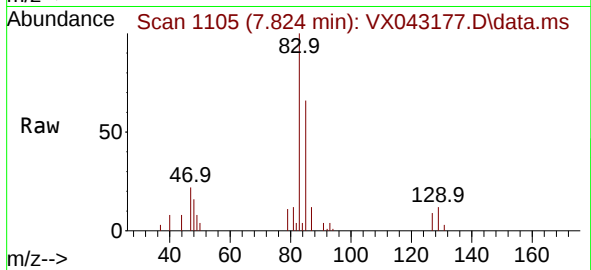




#47  
Bromodichloromethane  
Concen: 4.946 ug/l  
RT: 7.824 min Scan# 1105  
Delta R.T. 0.006 min  
Lab File: VX043177.D  
Acq: 26 Sep 2024 14:48

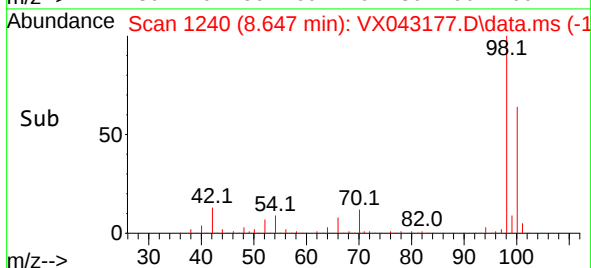
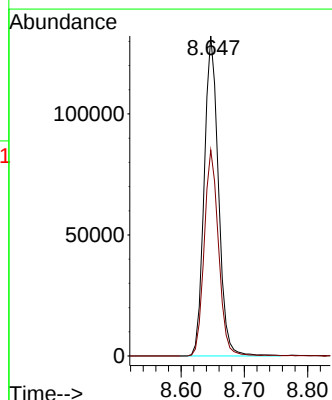
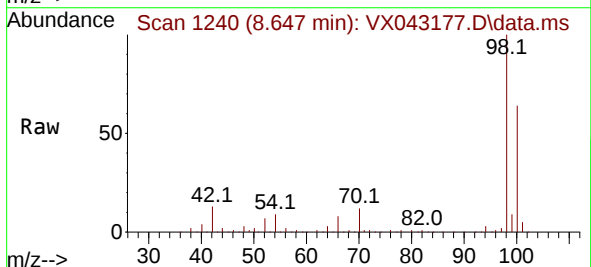
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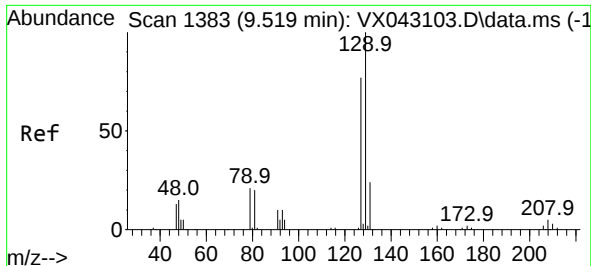
Tgt Ion: 83 Resp: 9383  
Ion Ratio Lower Upper  
83 100  
85 66.2 49.1 73.7  
127 9.4 6.6 9.8



#50  
Toluene-d8  
Concen: 51.085 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX043177.D  
Acq: 26 Sep 2024 14:48

Tgt Ion: 98 Resp: 207347  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.2 78.4

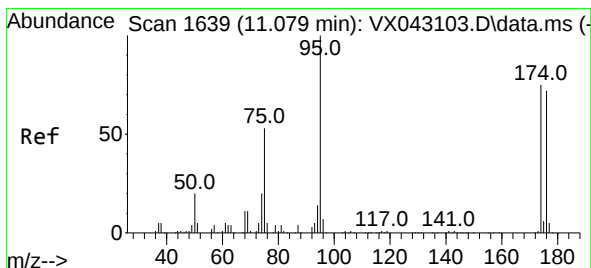
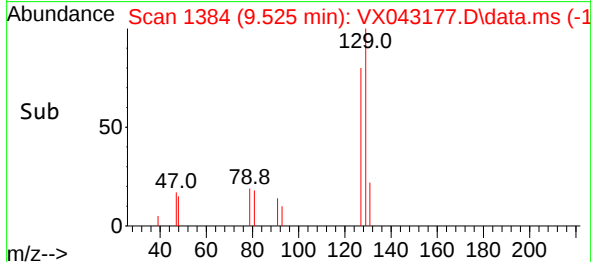
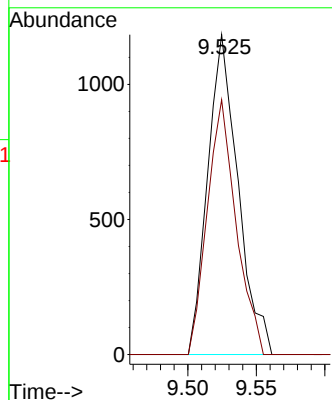
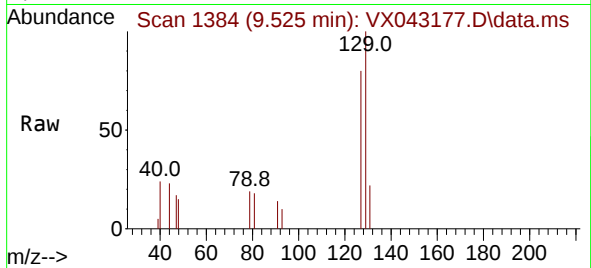




#60  
Dibromochloromethane  
Concen: 1.209 ug/l  
RT: 9.525 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX043177.D  
Acq: 26 Sep 2024 14:48

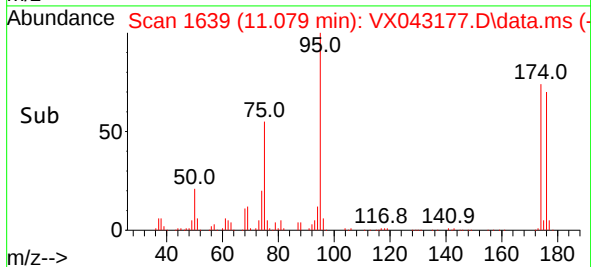
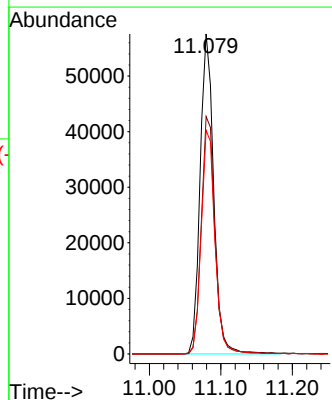
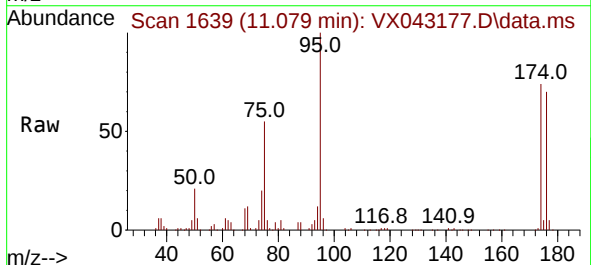
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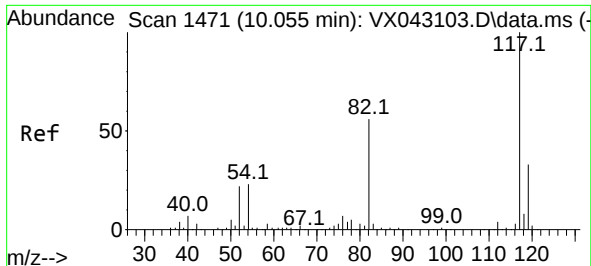
Tgt Ion:129 Resp: 1821  
Ion Ratio Lower Upper  
129 100  
127 75.8 38.4 115.1



#62  
4-Bromofluorobenzene  
Concen: 46.476 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX043177.D  
Acq: 26 Sep 2024 14:48

Tgt Ion: 95 Resp: 75968  
Ion Ratio Lower Upper  
95 100  
174 74.8 0.0 146.0  
176 71.0 0.0 142.6





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX043177.D  
Acq: 26 Sep 2024 14:48

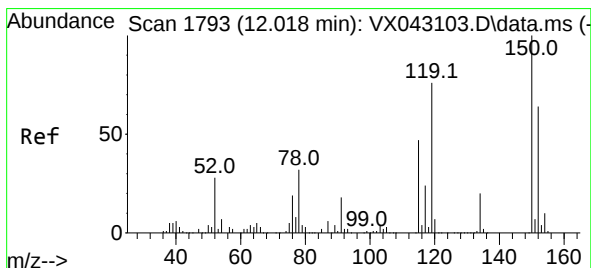
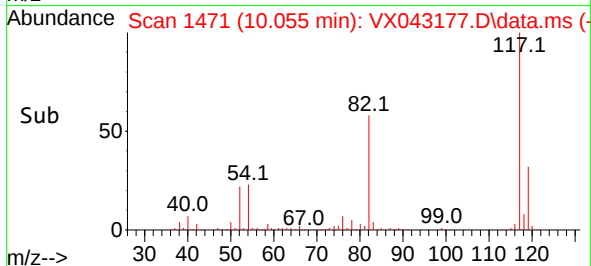
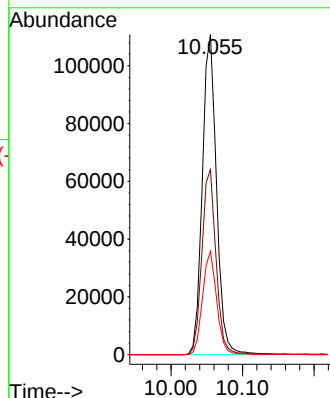
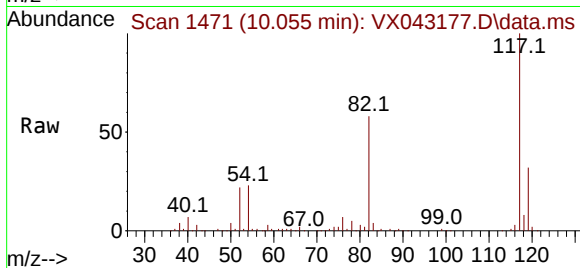
Instrument :

MSVOA\_X

ClientSampleId :

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Tgt Ion:117 Resp: 152996  
Ion Ratio Lower Upper  
117 100  
82 57.9 44.7 67.1  
119 32.4 26.3 39.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VX043177.D  
Acq: 26 Sep 2024 14:48

Tgt Ion:152 Resp: 67676  
Ion Ratio Lower Upper  
152 100  
115 64.4 43.7 131.1  
150 161.0 0.0 344.6

