

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100925\  
 Data File : VX048082.D  
 Acq On : 09 Oct 2025 13:39  
 Operator : JC/MD  
 Sample : Q3311-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-1S

Quant Time: Oct 10 01:23:24 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 17 06:39:58 2025  
 Response via : Initial Calibration

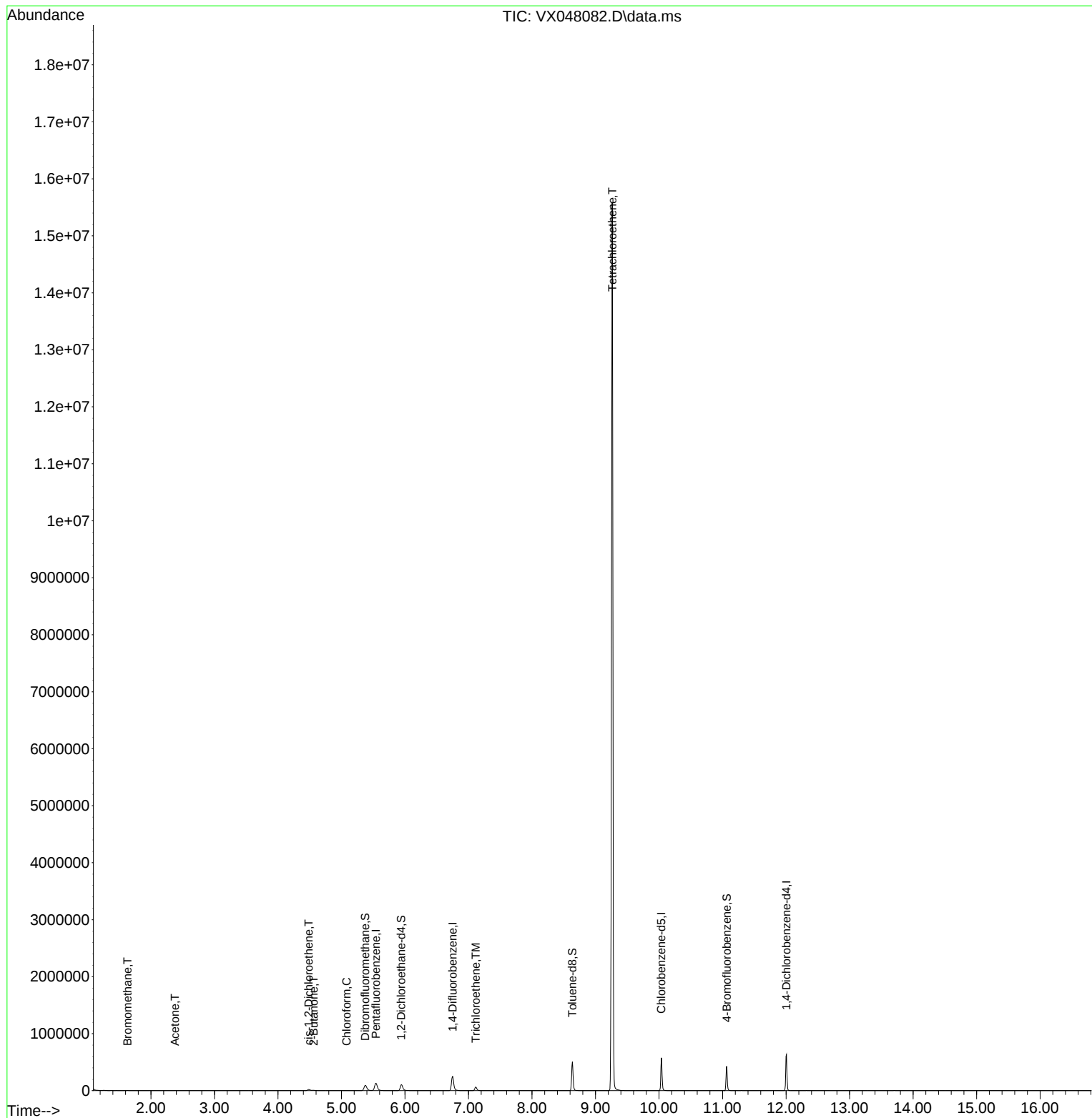
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 5.544     | 168   | 131146   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.751     | 114   | 272486   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 10.037    | 117   | 257011   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.006    | 152   | 132444   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 5.940     | 65    | 112939   | 54.102   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 78 - 117 | Recovery | = 108.200% |          |
| 35) Dibromofluoromethane    | 5.373     | 113   | 91039    | 49.818   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | = 99.640%  |          |
| 50) Toluene-d8              | 8.635     | 98    | 309824   | 48.997   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 92 - 112 | Recovery | = 98.000%  |          |
| 62) 4-Bromofluorobenzene    | 11.067    | 95    | 123862   | 51.613   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | = 103.220% |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 5) Bromomethane             | 1.630     | 94    | 535      | 0.483    | ug/l #     | 72       |
| 16) Acetone                 | 2.380     | 43    | 1874     | 2.065    | ug/l #     | 84       |
| 25) 2-Butanone              | 4.562     | 43    | 10546    | 9.315    | ug/l #     | 87       |
| 27) cis-1,2-Dichloroethene  | 4.483     | 96    | 13327    | 6.487    | ug/l       | 87       |
| 30) Chloroform              | 5.080     | 83    | 908      | 0.271    | ug/l       | 90       |
| 44) Trichloroethene         | 7.117     | 130   | 26022    | 13.271   | ug/l       | 95       |
| 64) Tetrachloroethene       | 9.263     | 164   | 2927961  | 1747.576 | ug/l       | 100      |
| -----                       |           |       |          |          |            |          |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 17 06:39:58 2025  
Response via : Initial Calibration

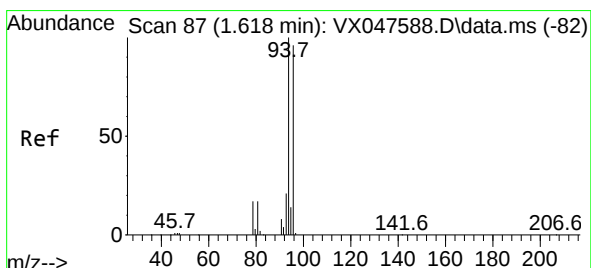
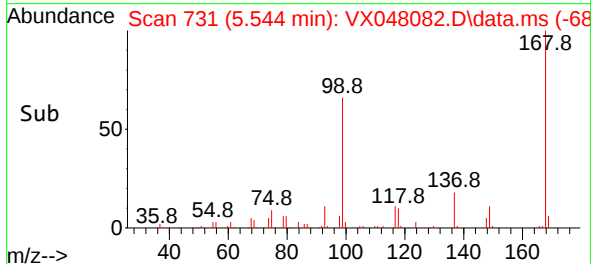
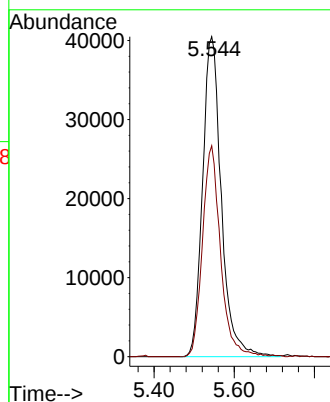
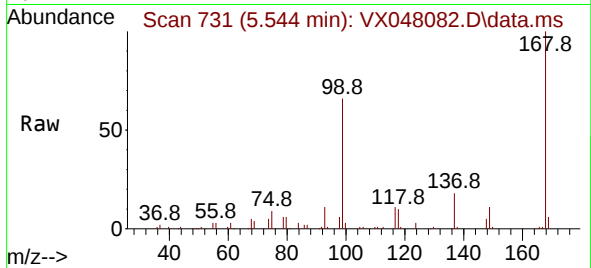




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX048082.D  
Acq: 09 Oct 2025 13:39

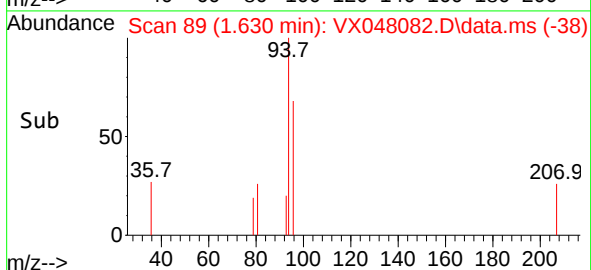
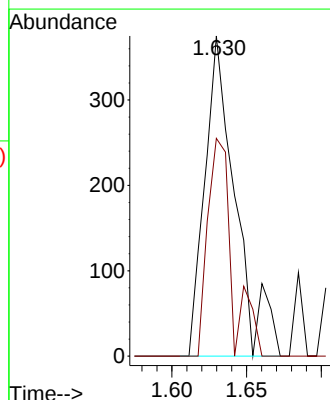
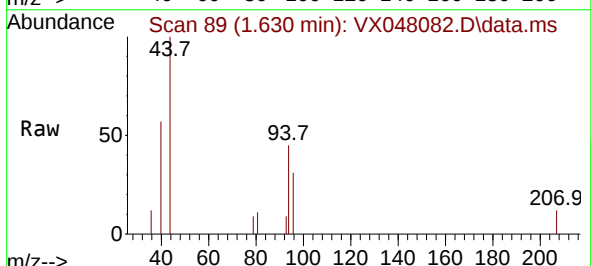
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-1S

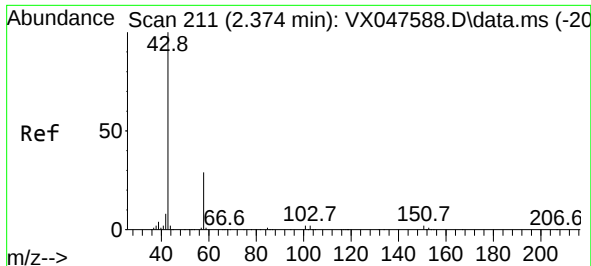
Tgt Ion:168 Resp: 131146  
Ion Ratio Lower Upper  
168 100  
99 65.9 48.8 73.2



#5  
Bromomethane  
Concen: 0.483 ug/l  
RT: 1.630 min Scan# 89  
Delta R.T. 0.012 min  
Lab File: VX048082.D  
Acq: 09 Oct 2025 13:39

Tgt Ion: 94 Resp: 535  
Ion Ratio Lower Upper  
94 100  
96 68.0 76.6 115.0#

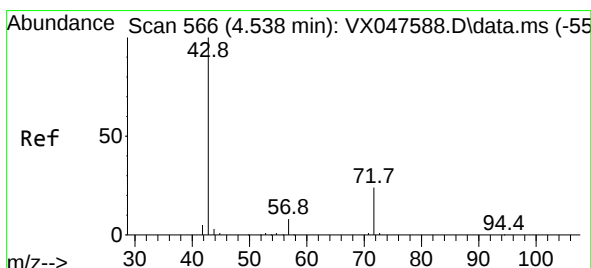
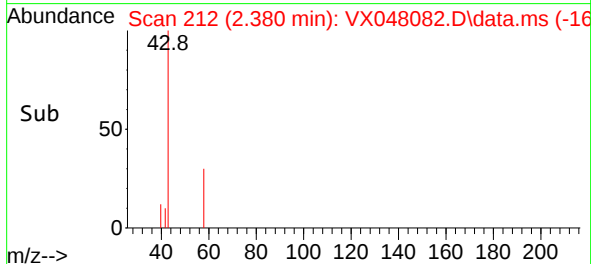
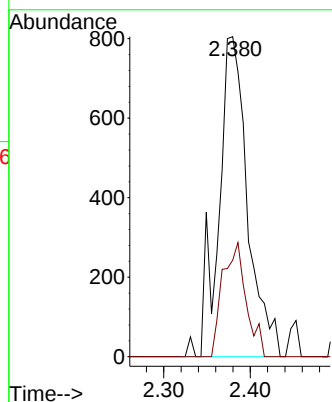
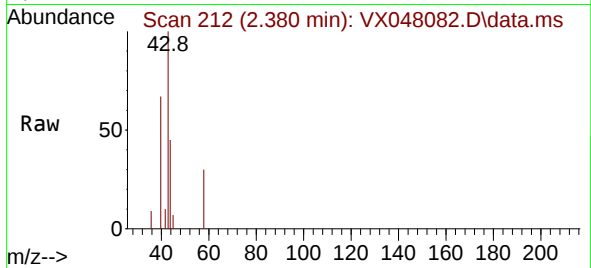




#16  
Acetone  
Concen: 2.065 ug/l  
RT: 2.380 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VX048082.D  
Acq: 09 Oct 2025 13:39

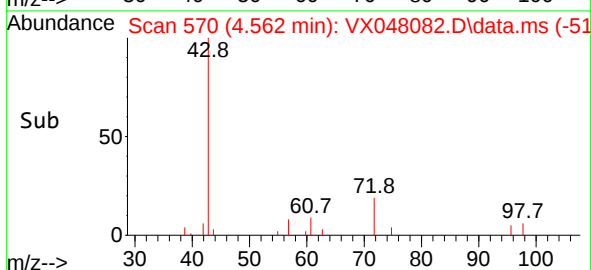
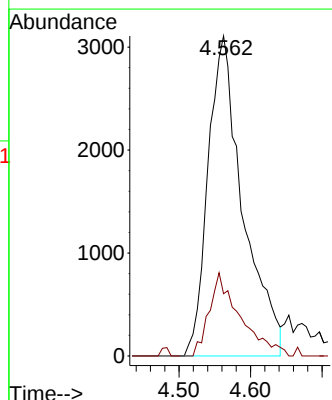
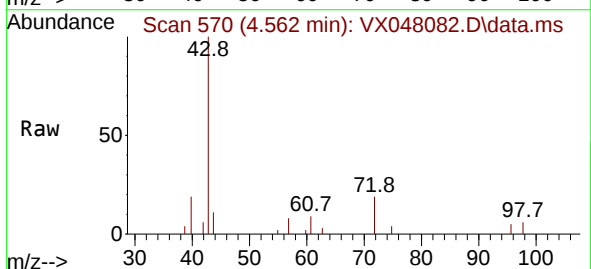
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-1S

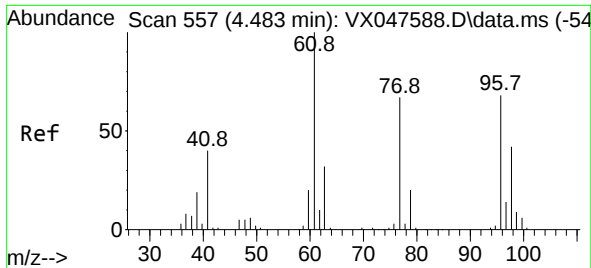
Tgt Ion: 43 Resp: 1874  
Ion Ratio Lower Upper  
43 100  
58 20.8 23.4 35.0#



#25  
2-Butanone  
Concen: 9.315 ug/l  
RT: 4.562 min Scan# 570  
Delta R.T. 0.024 min  
Lab File: VX048082.D  
Acq: 09 Oct 2025 13:39

Tgt Ion: 43 Resp: 10546  
Ion Ratio Lower Upper  
43 100  
72 18.5 20.1 30.1#



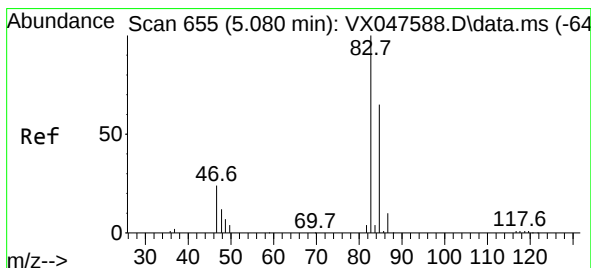
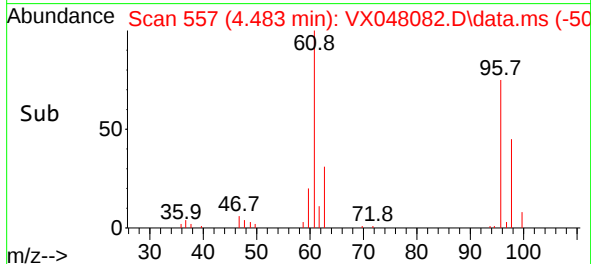
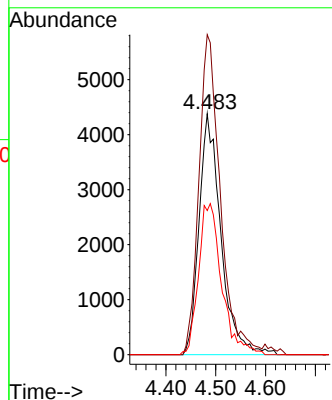
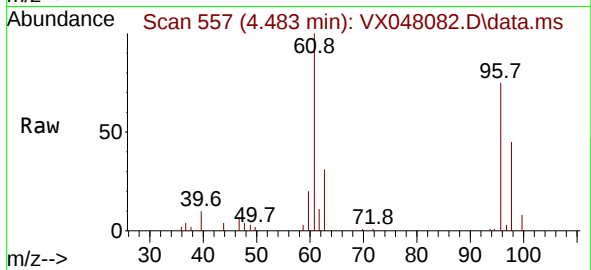


#27  
 cis-1,2-Dichloroethene  
 Concen: 6.487 ug/l  
 RT: 4.483 min Scan# 51  
 Delta R.T. -0.000 min  
 Lab File: VX048082.D  
 Acq: 09 Oct 2025 13:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-1S

Tgt Ion: 96 Resp: 13327  

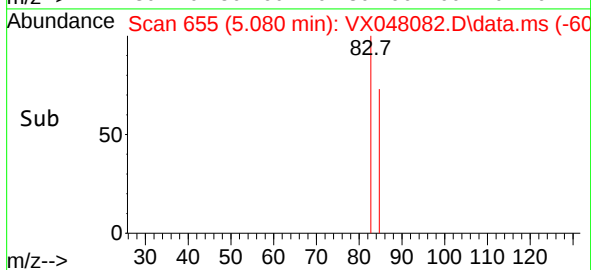
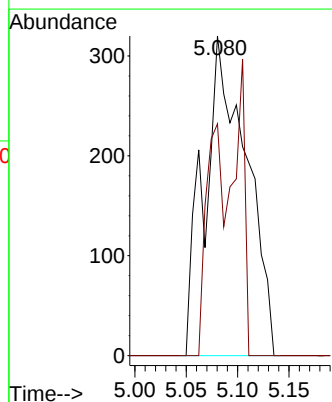
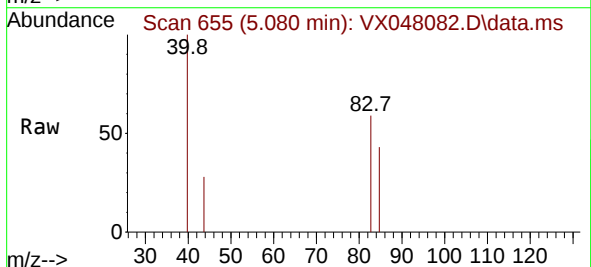
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 130.6 | 0.0   | 303.2 |
| 98  | 66.4  | 0.0   | 127.8 |

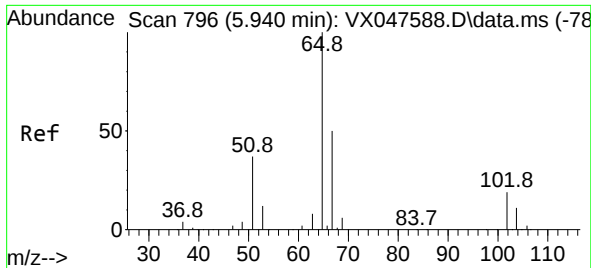


#30  
 Chloroform  
 Concen: 0.271 ug/l  
 RT: 5.080 min Scan# 655  
 Delta R.T. -0.000 min  
 Lab File: VX048082.D  
 Acq: 09 Oct 2025 13:39

Tgt Ion: 83 Resp: 908  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 72.5  | 51.8  | 77.6  |

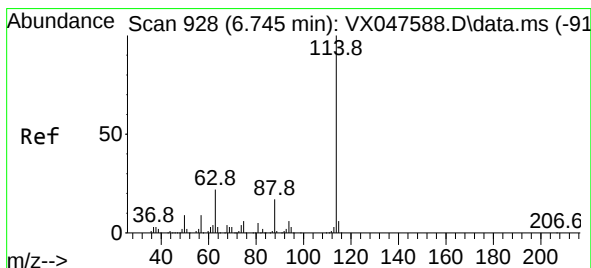
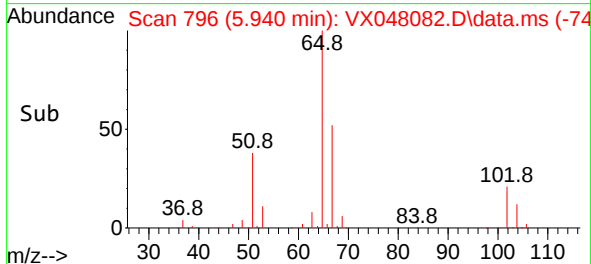
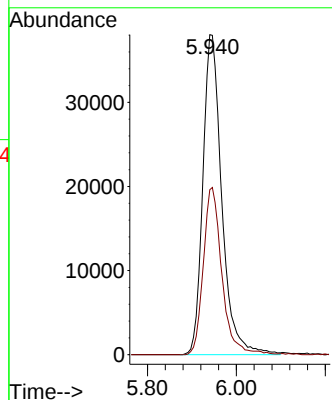
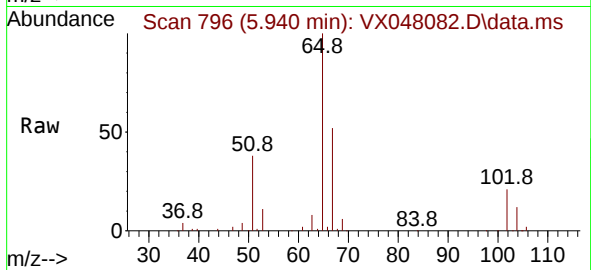




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.102 ug/l  
 RT: 5.940 min Scan# 796  
 Delta R.T. -0.000 min  
 Lab File: VX048082.D  
 Acq: 09 Oct 2025 13:39

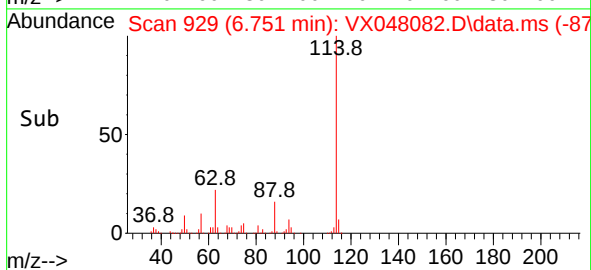
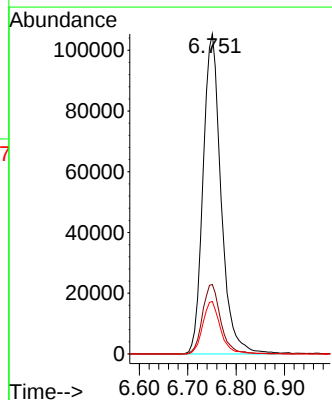
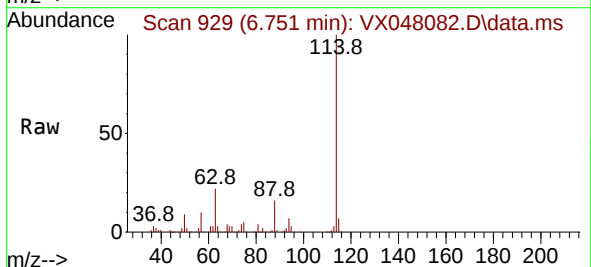
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-1S

Tgt Ion: 65 Resp: 112939  
 Ion Ratio Lower Upper  
 65 100  
 67 51.2 0.0 103.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.751 min Scan# 929  
 Delta R.T. 0.006 min  
 Lab File: VX048082.D  
 Acq: 09 Oct 2025 13:39

Tgt Ion: 114 Resp: 272486  
 Ion Ratio Lower Upper  
 114 100  
 63 21.7 0.0 44.0  
 88 16.4 0.0 34.2

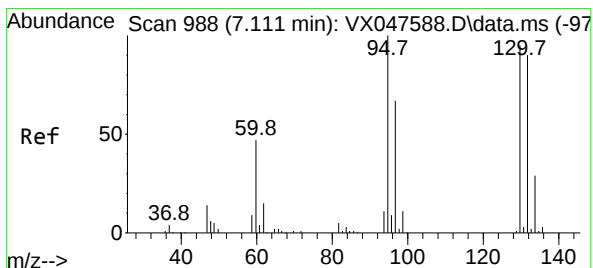
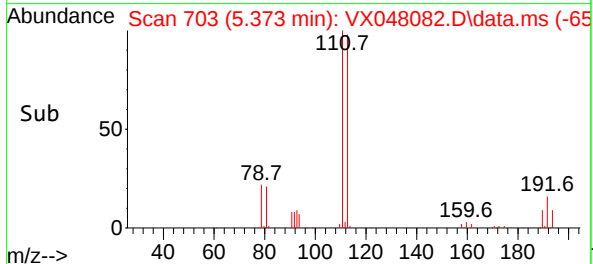
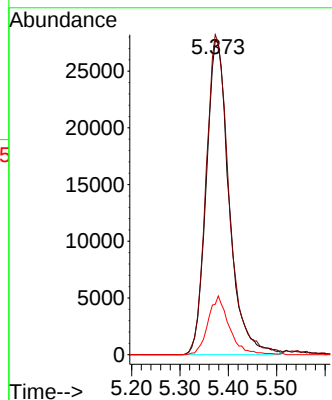
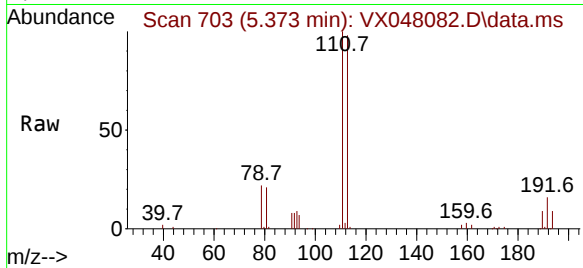




#35  
Dibromofluoromethane  
Concen: 49.818 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX048082.D  
Acq: 09 Oct 2025 13:39

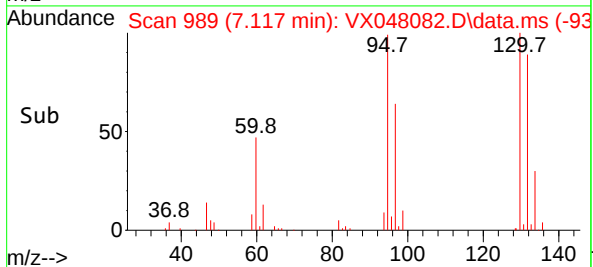
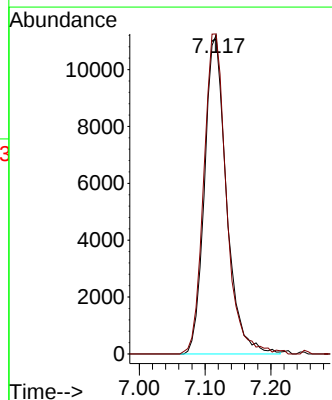
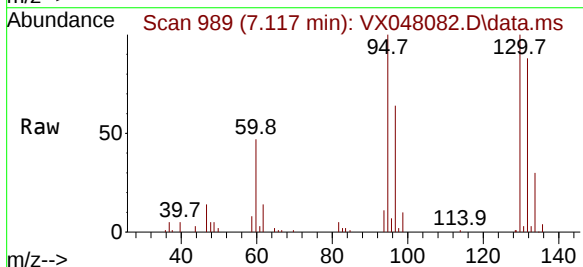
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-1S

Tgt Ion:113 Resp: 91039  
Ion Ratio Lower Upper  
113 100  
111 102.4 80.9 121.3  
192 17.4 14.2 21.4



#44  
Trichloroethene  
Concen: 13.271 ug/l  
RT: 7.117 min Scan# 989  
Delta R.T. 0.006 min  
Lab File: VX048082.D  
Acq: 09 Oct 2025 13:39

Tgt Ion:130 Resp: 26022  
Ion Ratio Lower Upper  
130 100  
95 100.4 0.0 210.8

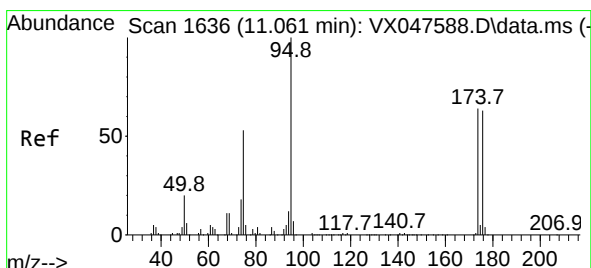
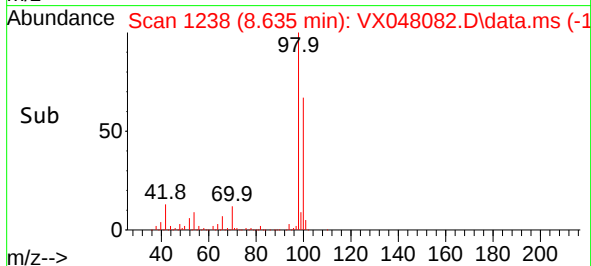
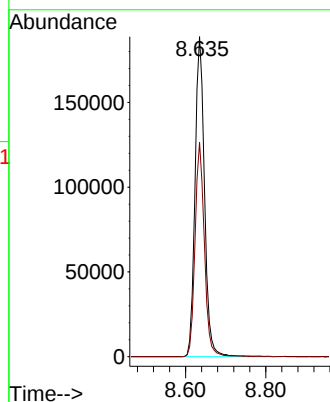
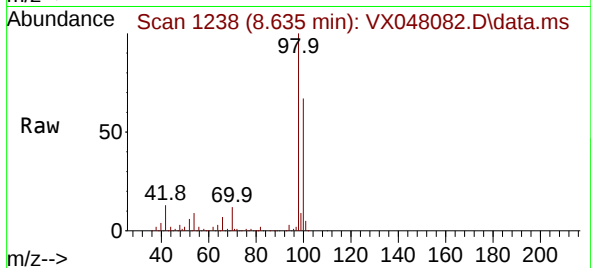




#50  
Toluene-d8  
Concen: 48.997 ug/l  
RT: 8.635 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX048082.D  
Acq: 09 Oct 2025 13:39

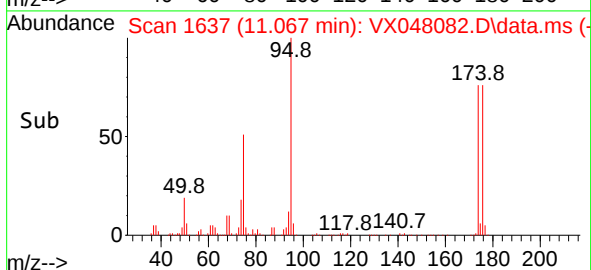
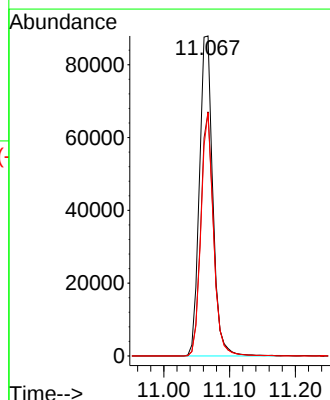
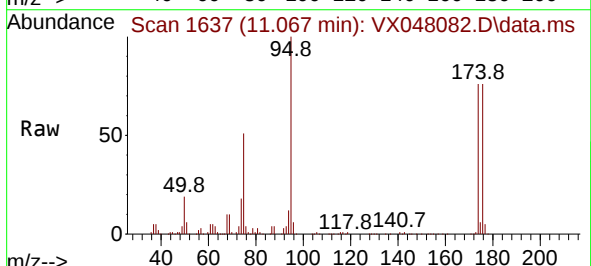
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MW-1S

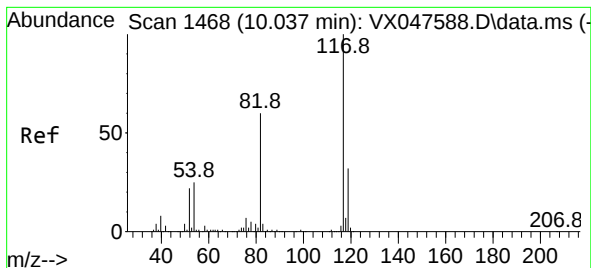
Tgt Ion: 98 Resp: 309824  
Ion Ratio Lower Upper  
98 100  
100 66.0 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 51.613 ug/l  
RT: 11.067 min Scan# 1637  
Delta R.T. 0.006 min  
Lab File: VX048082.D  
Acq: 09 Oct 2025 13:39

Tgt Ion: 95 Resp: 123862  
Ion Ratio Lower Upper  
95 100  
174 72.8 0.0 141.6  
176 71.2 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048082.D

Acq: 09 Oct 2025 13:39

Instrument :

MSVOA\_X

ClientSampleId :

MW-1S

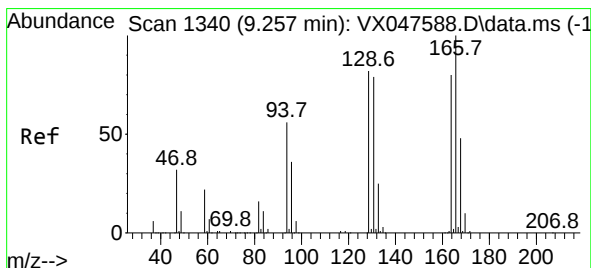
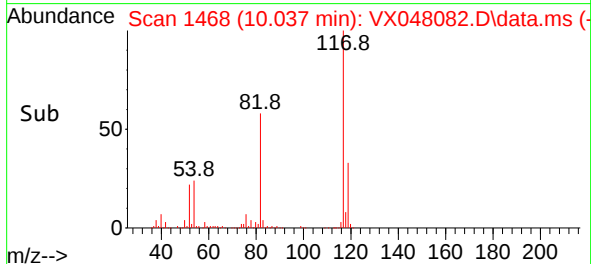
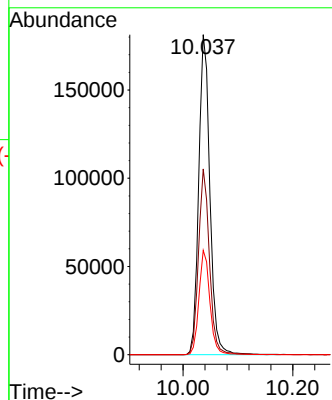
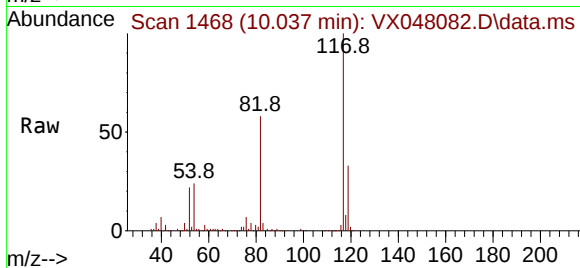
Tgt Ion:117 Resp: 257011

Ion Ratio Lower Upper

117 100

82 58.1 47.8 71.6

119 32.6 25.2 37.8



#64

Tetrachloroethene

Concen: 1747.576 ug/l

RT: 9.263 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX048082.D

Acq: 09 Oct 2025 13:39

Tgt Ion:164 Resp: 2927961

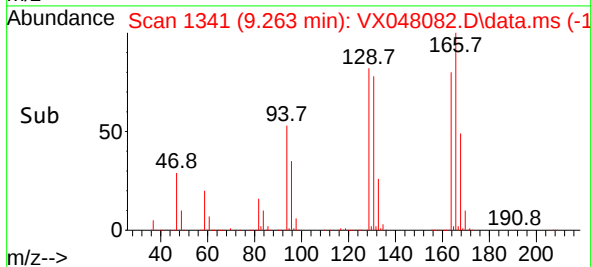
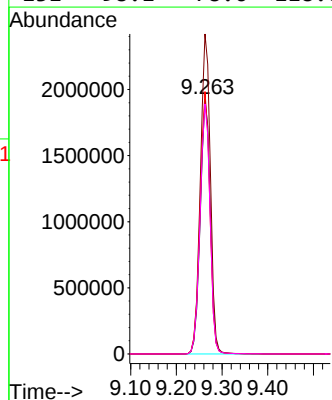
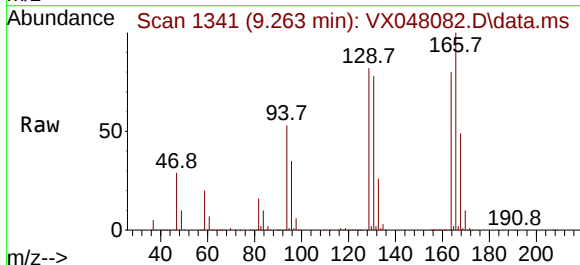
Ion Ratio Lower Upper

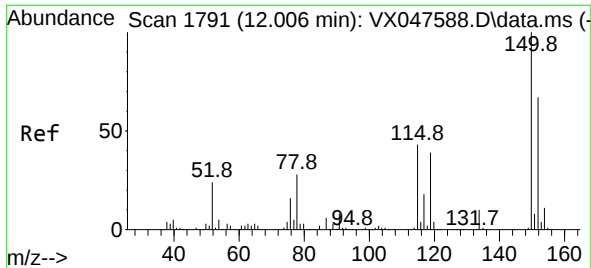
164 100

166 125.5 100.2 150.2

129 102.9 81.8 122.6

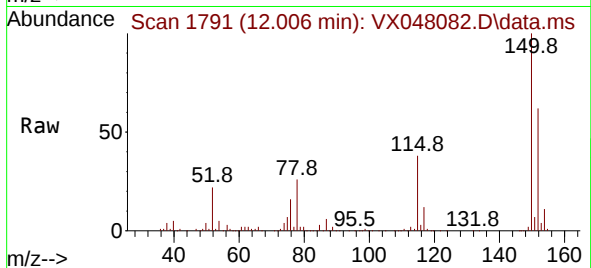
131 98.1 78.6 118.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.006 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX048082.D  
 Acq: 09 Oct 2025 13:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-1S



Tgt Ion:152 Resp: 132444  
 Ion Ratio Lower Upper  
 152 100  
 115 62.8 44.9 134.5  
 150 158.0 0.0 352.0

