

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081325\  
 Data File : VX047332.D  
 Acq On : 13 Aug 2025 18:45  
 Operator : JC/MD  
 Sample : Q2815-09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TW-88H-W

Quant Time: Aug 14 03:33:45 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072125W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 22 03:59:51 2025  
 Response via : Initial Calibration

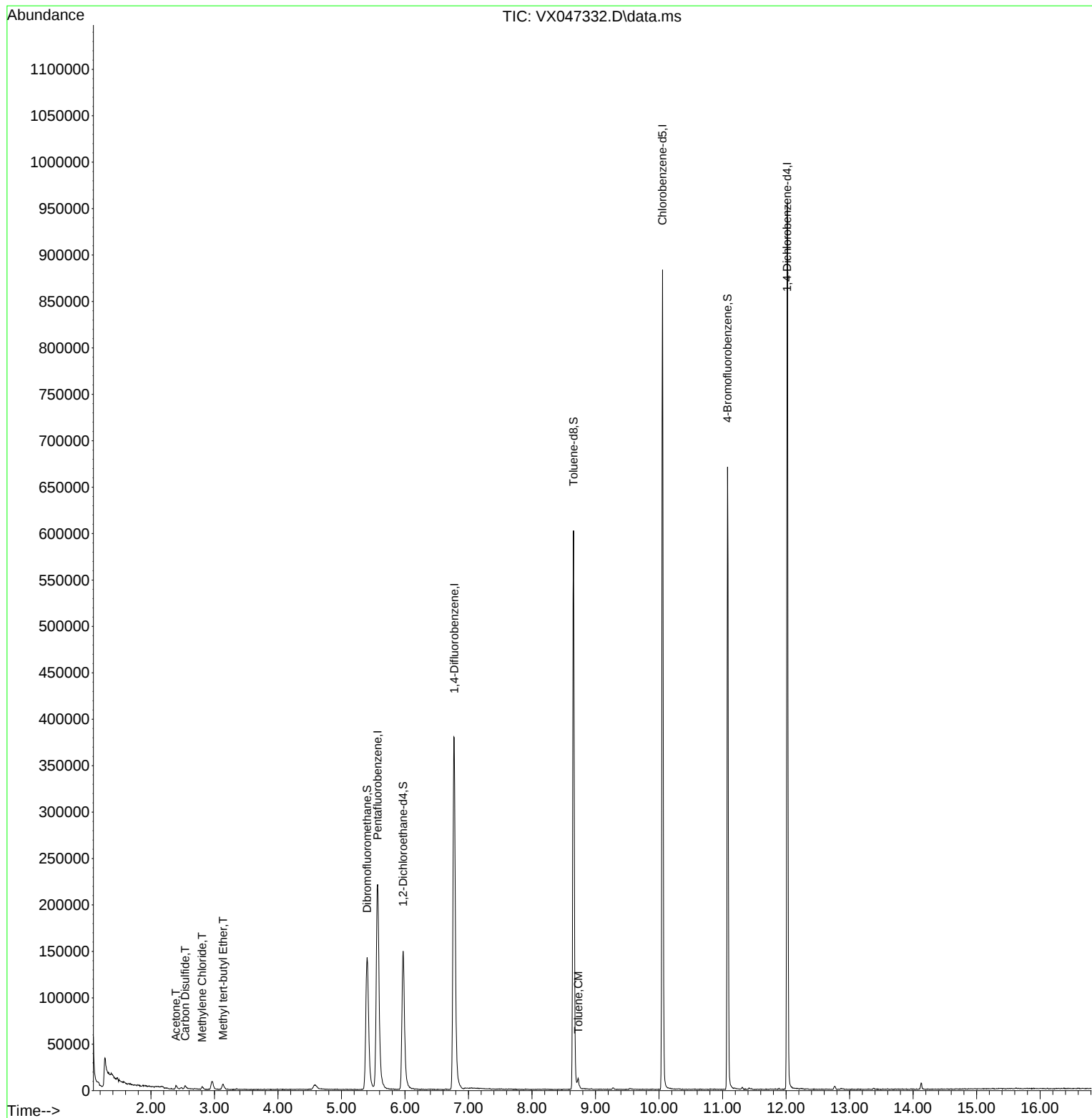
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.568     | 168   | 224594   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.775     | 114   | 415771   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055    | 117   | 385690   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018    | 152   | 191376   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.970     | 65    | 158847   | 56.777   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 78 - 117 | Recovery | =      | 113.560% |
| 35) Dibromofluoromethane    | 5.403     | 113   | 137776   | 53.670   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =      | 107.340% |
| 50) Toluene-d8              | 8.653     | 98    | 367053   | 44.151   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 92 - 112 | Recovery | =      | 88.300%# |
| 62) 4-Bromofluorobenzene    | 11.079    | 95    | 179361   | 50.064   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | =      | 100.120% |
| Target Compounds            |           |       |          |          |        |          |
|                             |           |       |          |          | Qvalue |          |
| 16) Acetone                 | 2.392     | 43    | 5426     | 4.841    | ug/l # | 86       |
| 17) Carbon Disulfide        | 2.538     | 76    | 3137     | 0.384    | ug/l # | 91       |
| 19) Methyl tert-butyl Ether | 3.136     | 73    | 6159     | 0.717    | ug/l # | 90       |
| 20) Methylene Chloride      | 2.806     | 84    | 1106     | 0.359    | ug/l # | 66       |
| 52) Toluene                 | 8.726     | 92    | 4287     | 0.551    | ug/l   | 100      |
| -----                       |           |       |          |          |        |          |

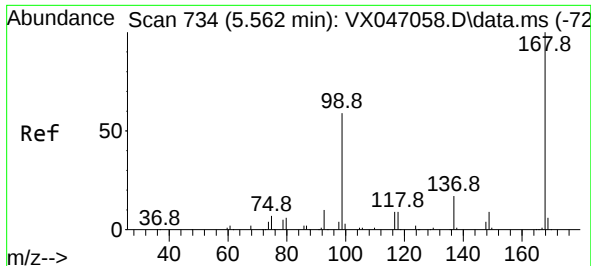
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072125W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 22 03:59:51 2025  
Response via : Initial Calibration

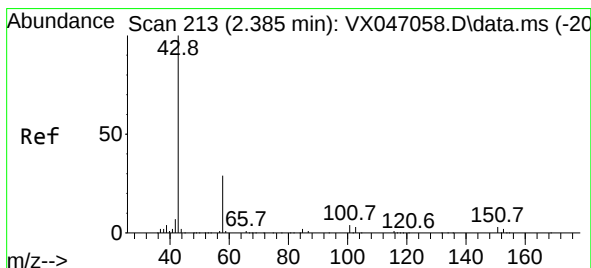
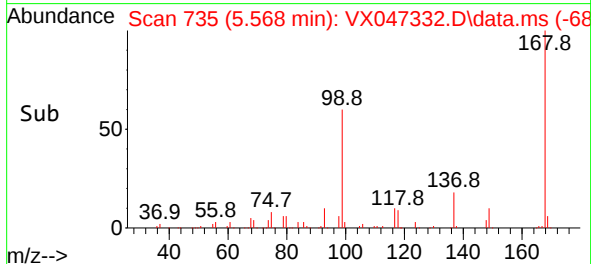
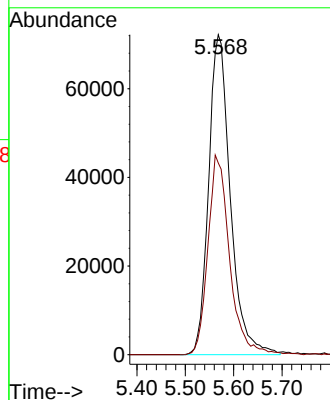
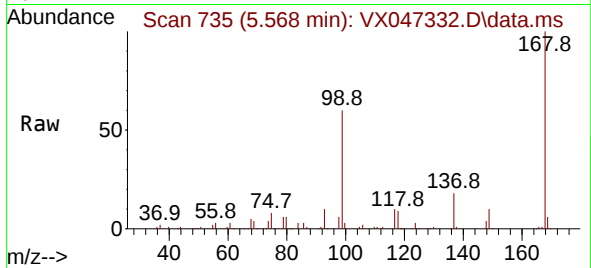




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.568 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX047332.D  
Acq: 13 Aug 2025 18:45

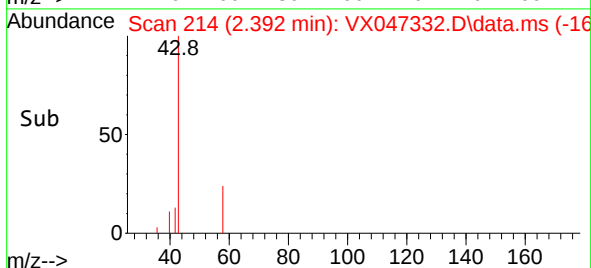
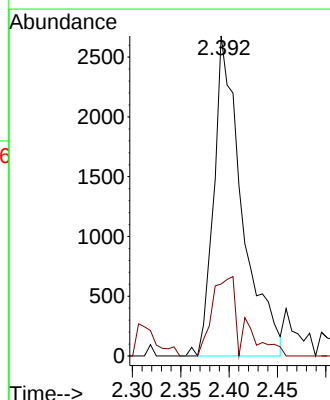
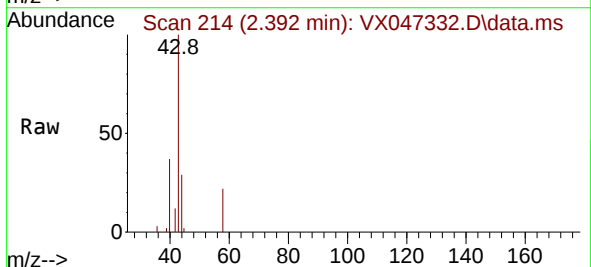
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-88H-W

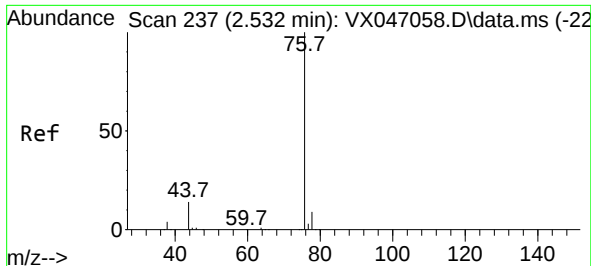
Tgt Ion:168 Resp: 224594  
Ion Ratio Lower Upper  
168 100  
99 59.9 48.0 72.0



#16  
Acetone  
Concen: 4.841 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. 0.006 min  
Lab File: VX047332.D  
Acq: 13 Aug 2025 18:45

Tgt Ion: 43 Resp: 5426  
Ion Ratio Lower Upper  
43 100  
58 22.5 24.0 36.0#





#17

Carbon Disulfide

Concen: 0.384 ug/l

RT: 2.538 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX047332.D

Acq: 13 Aug 2025 18:45

Instrument :

MSVOA\_X

ClientSampleId :

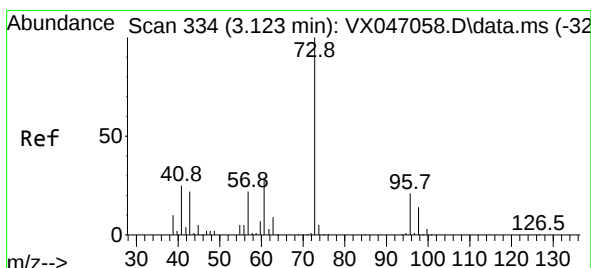
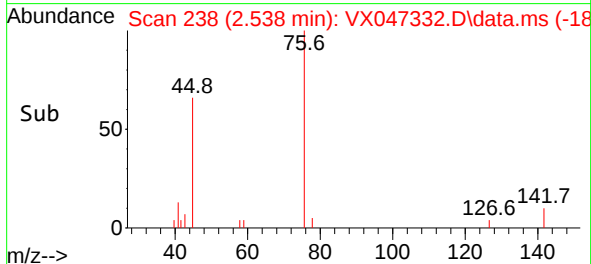
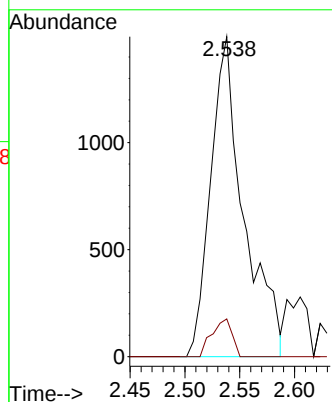
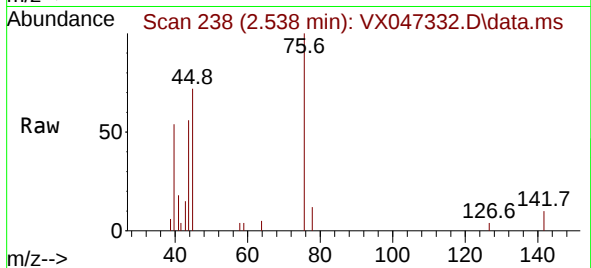
TW-88H-W

Tgt Ion: 76 Resp: 3137

Ion Ratio Lower Upper

76 100

78 11.8 7.0 10.4#



#19

Methyl tert-butyl Ether

Concen: 0.717 ug/l

RT: 3.136 min Scan# 336

Delta R.T. 0.013 min

Lab File: VX047332.D

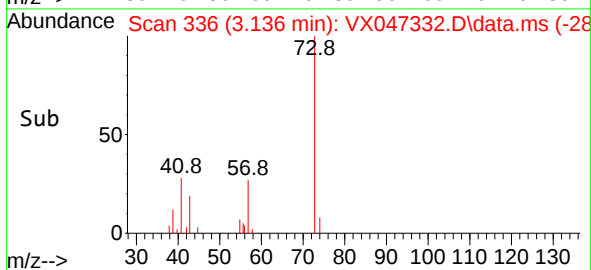
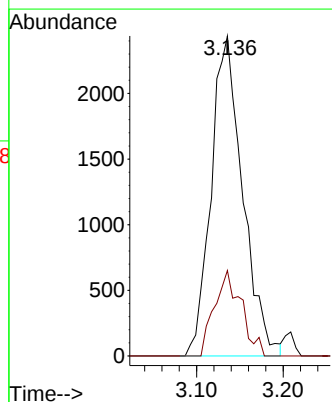
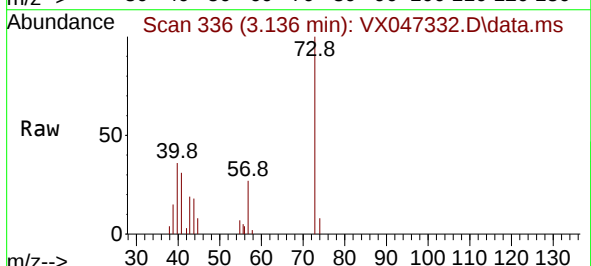
Acq: 13 Aug 2025 18:45

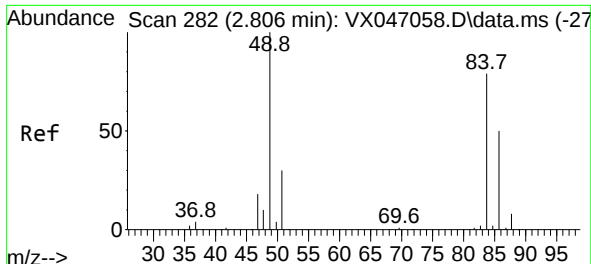
Tgt Ion: 73 Resp: 6159

Ion Ratio Lower Upper

73 100

57 26.7 17.7 26.5#

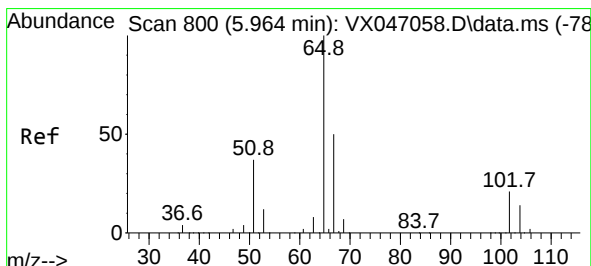
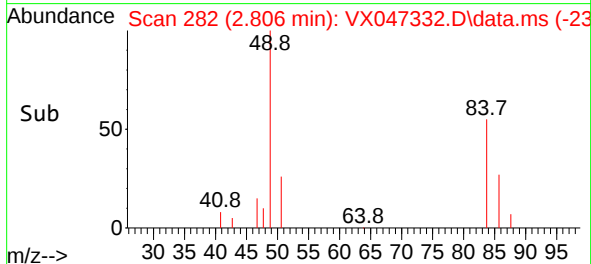
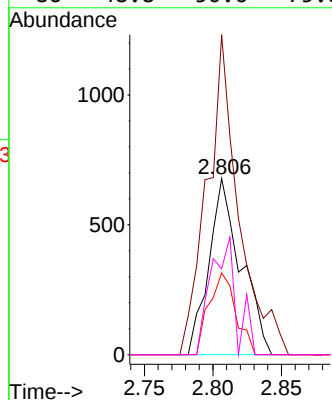
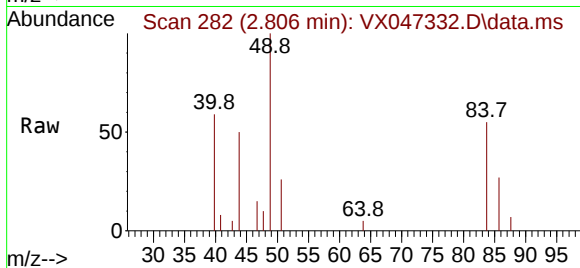




#20  
Methylene Chloride  
Concen: 0.359 ug/l  
RT: 2.806 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX047332.D  
Acq: 13 Aug 2025 18:45

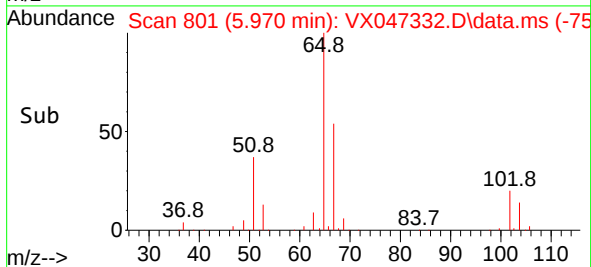
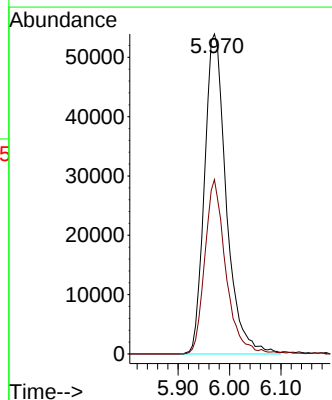
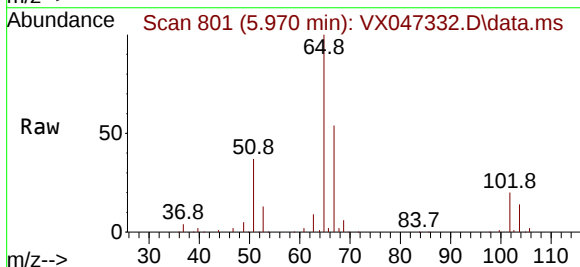
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-88H-W

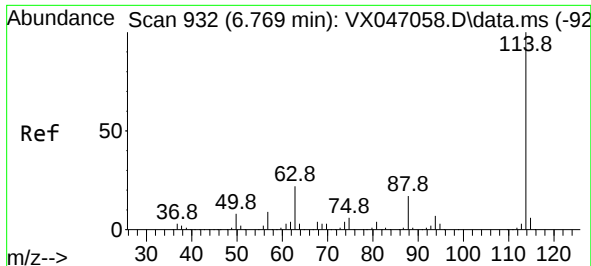
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 1106   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 181.7 | 101.6 | 152.4# |
| 51       | 46.5  | 30.3  | 45.5#  |
| 86       | 48.8  | 50.6  | 75.8#  |



#33  
1,2-Dichloroethane-d4  
Concen: 56.777 ug/l  
RT: 5.970 min Scan# 801  
Delta R.T. 0.006 min  
Lab File: VX047332.D  
Acq: 13 Aug 2025 18:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 158847 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 52.8  | 0.0   | 104.8  |

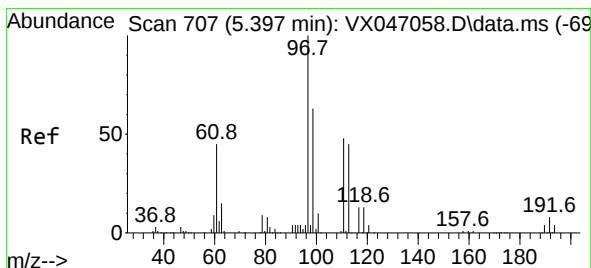
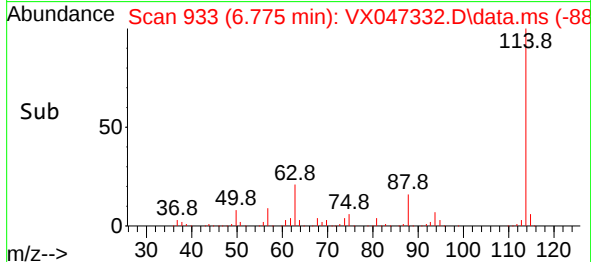
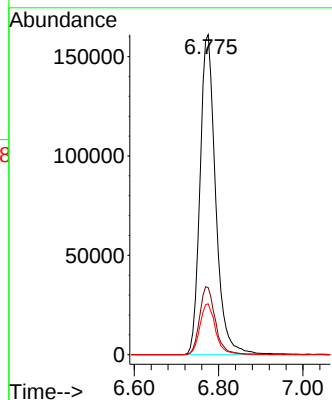
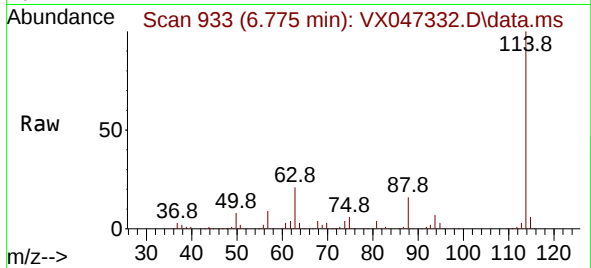




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.775 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX047332.D  
Acq: 13 Aug 2025 18:45

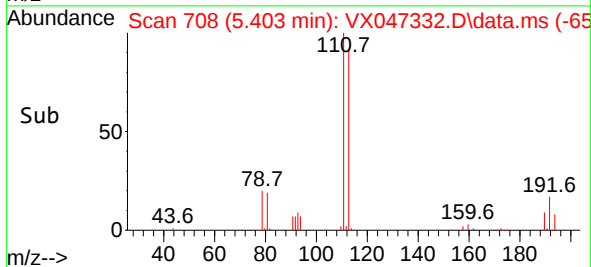
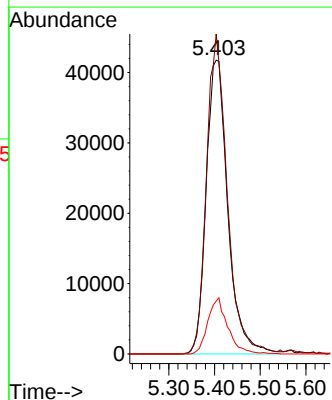
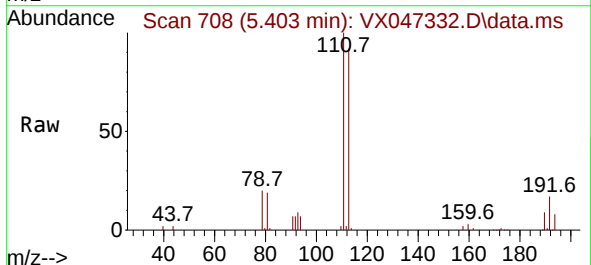
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-88H-W

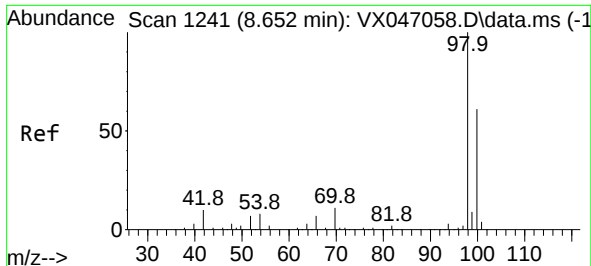
Tgt Ion:114 Resp: 415771  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 43.2  
88 15.9 0.0 33.8



#35  
Dibromofluoromethane  
Concen: 53.670 ug/l  
RT: 5.403 min Scan# 708  
Delta R.T. 0.006 min  
Lab File: VX047332.D  
Acq: 13 Aug 2025 18:45

Tgt Ion:113 Resp: 137776  
Ion Ratio Lower Upper  
113 100  
111 103.9 82.6 124.0  
192 17.6 14.9 22.3

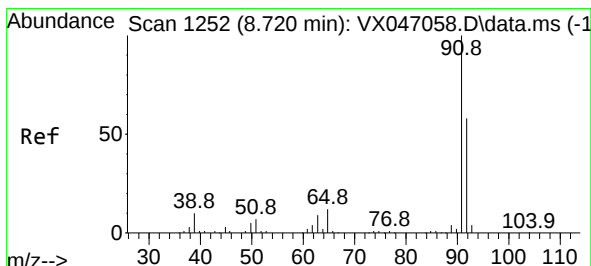
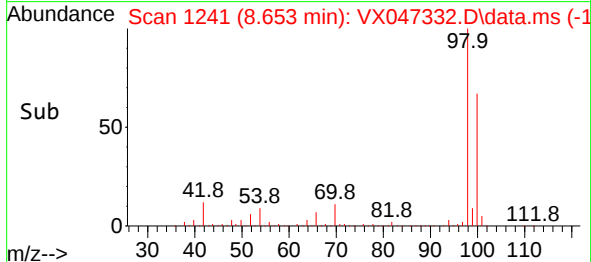
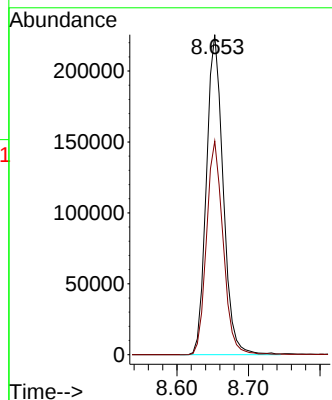
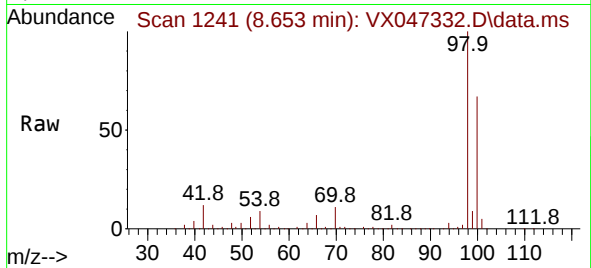




#50  
Toluene-d8  
Concen: 44.151 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX047332.D  
Acq: 13 Aug 2025 18:45

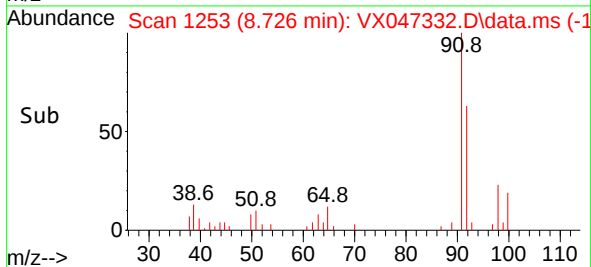
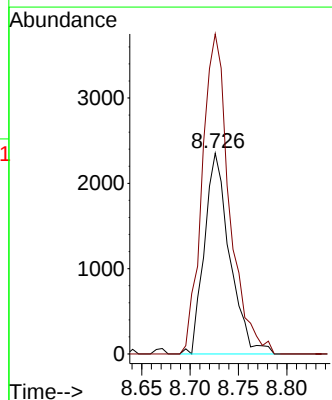
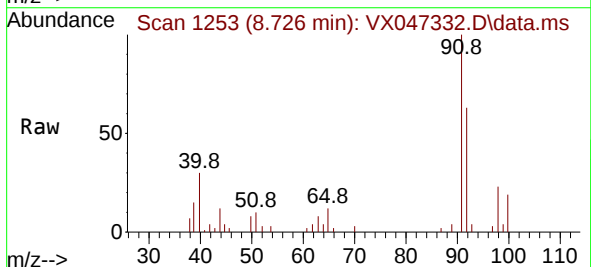
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-88H-W

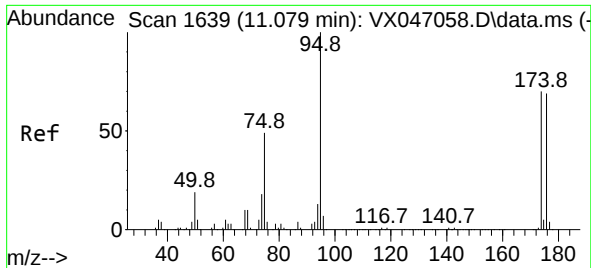
Tgt Ion: 98 Resp: 367053  
Ion Ratio Lower Upper  
98 100  
100 66.4 53.3 79.9



#52  
Toluene  
Concen: 0.551 ug/l  
RT: 8.726 min Scan# 1253  
Delta R.T. 0.006 min  
Lab File: VX047332.D  
Acq: 13 Aug 2025 18:45

Tgt Ion: 92 Resp: 4287  
Ion Ratio Lower Upper  
92 100  
91 171.9 137.9 206.9

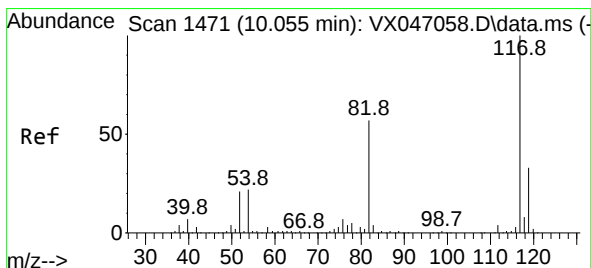
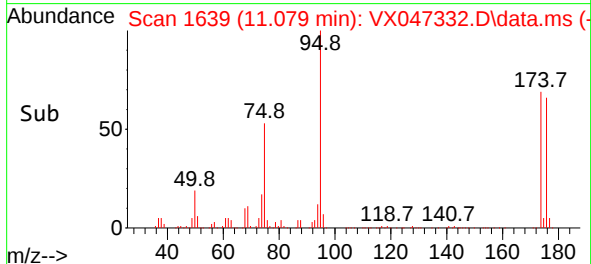
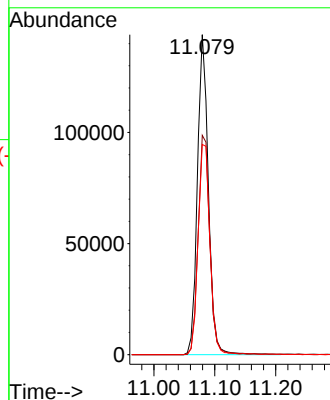
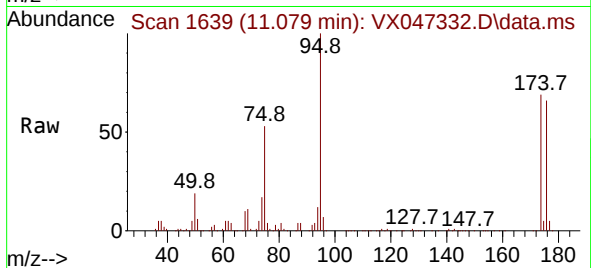




#62  
4-Bromofluorobenzene  
Concen: 50.064 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX047332.D  
Acq: 13 Aug 2025 18:45

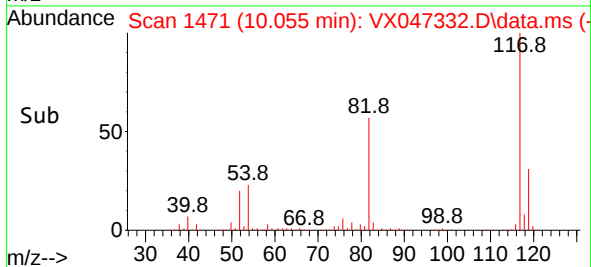
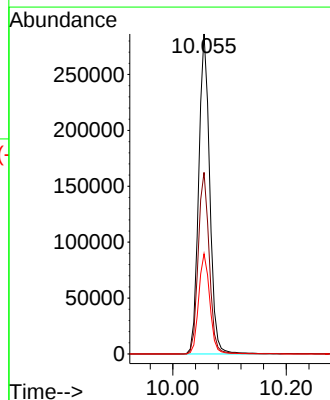
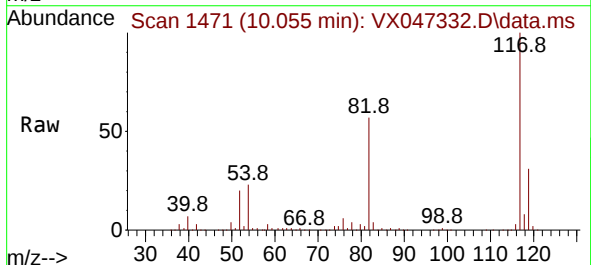
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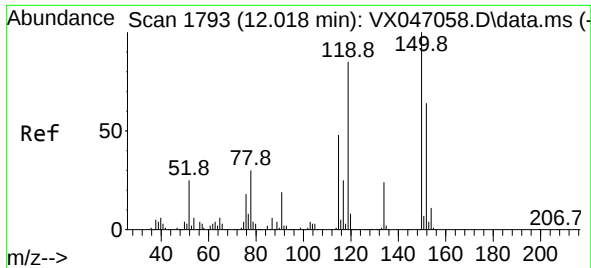
Tgt Ion: 95 Resp: 179361  
Ion Ratio Lower Upper  
95 100  
174 73.4 0.0 144.6  
176 71.3 0.0 139.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX047332.D  
Acq: 13 Aug 2025 18:45

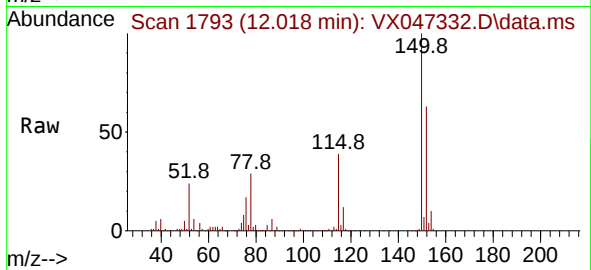
Tgt Ion: 117 Resp: 385690  
Ion Ratio Lower Upper  
117 100  
82 56.7 45.4 68.2  
119 31.3 26.1 39.1





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.018 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX047332.D  
 Acq: 13 Aug 2025 18:45

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TW-88H-W



Tgt Ion:152 Resp: 191376  
 Ion Ratio Lower Upper  
 152 100  
 115 62.1 45.6 136.7  
 150 157.9 0.0 354.6

