

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081125\  
 Data File : VW032060.D  
 Acq On : 11 Aug 2025 12:18  
 Operator : SY/MD  
 Sample : VW0811SBL01  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0811SBL01

Quant Time: Aug 12 04:22:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W081125S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 12 04:04:48 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.959  | 168  | 176404   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.849  | 114  | 391811   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.635 | 117  | 359327   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.556 | 152  | 169733   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.319  | 65    | 134172   | 52.590   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 63 - 155 | Recovery | =    | 105.180% |
| 35) Dibromofluoromethane    | 7.898  | 113   | 121027   | 47.813   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 70 - 134 | Recovery | =    | 95.620%  |
| 50) Toluene-d8              | 10.325 | 98    | 459644   | 49.095   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 123 | Recovery | =    | 98.180%  |
| 62) 4-Bromofluorobenzene    | 12.617 | 95    | 163583   | 47.413   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 17 - 146 | Recovery | =    | 94.820%  |

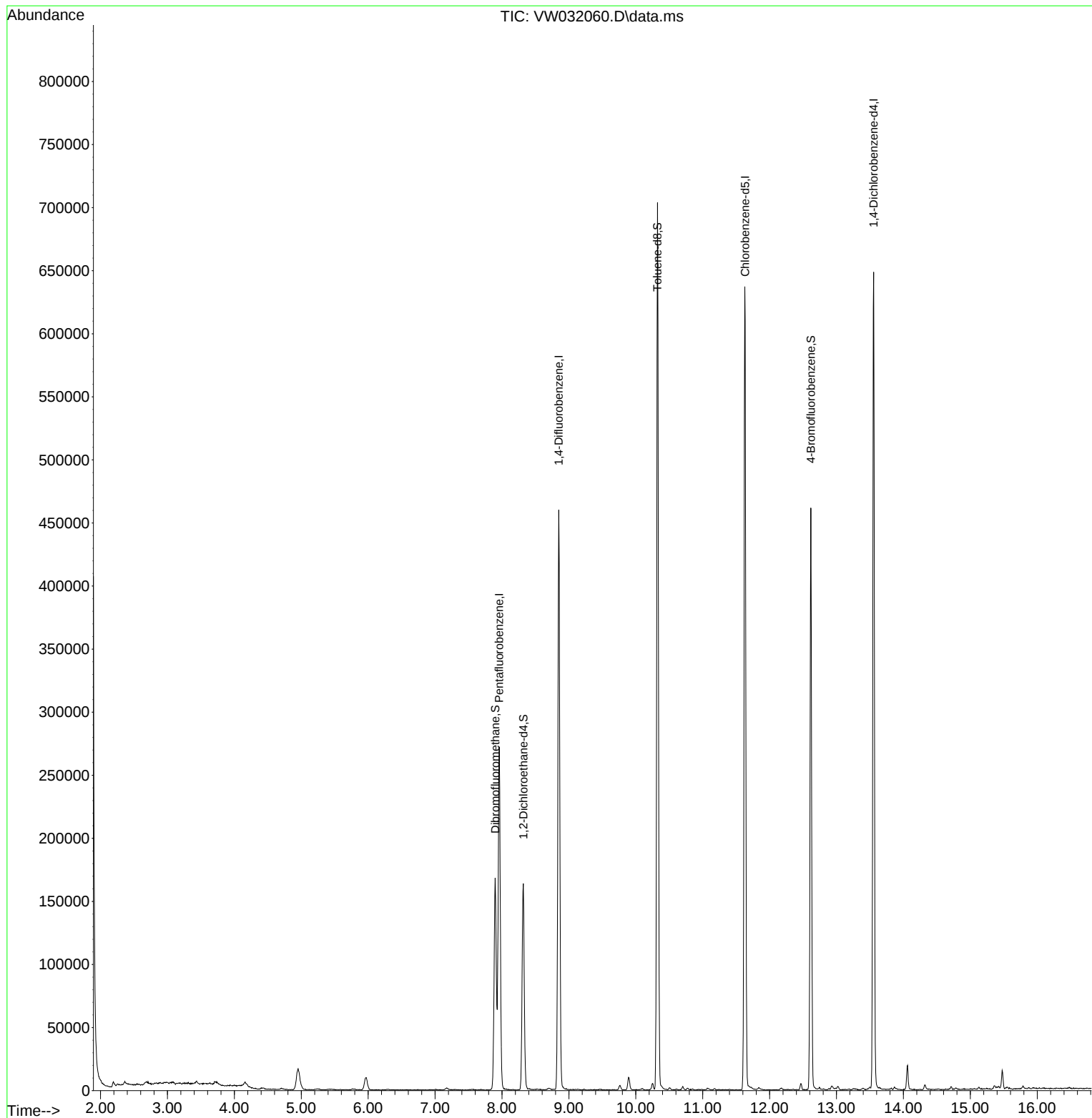
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

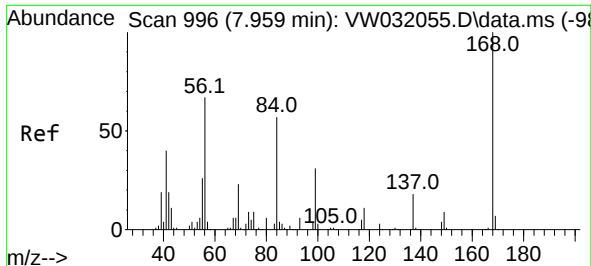
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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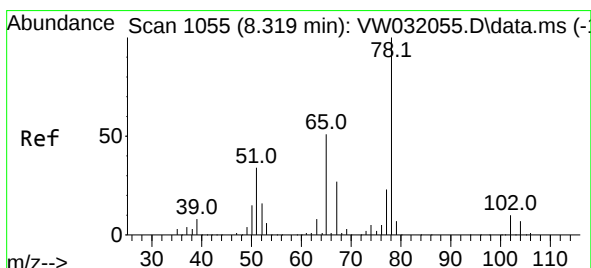
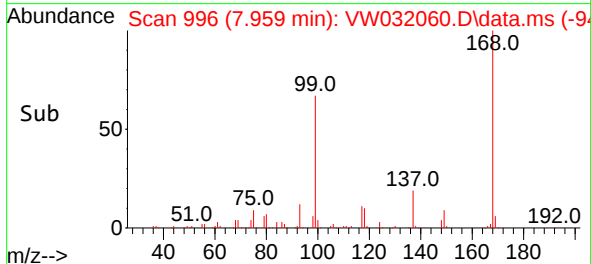
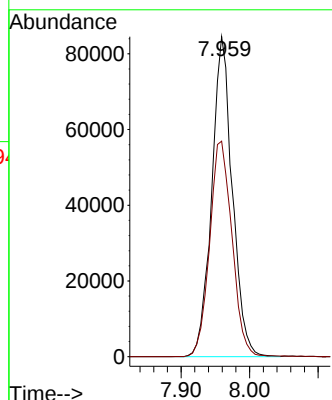
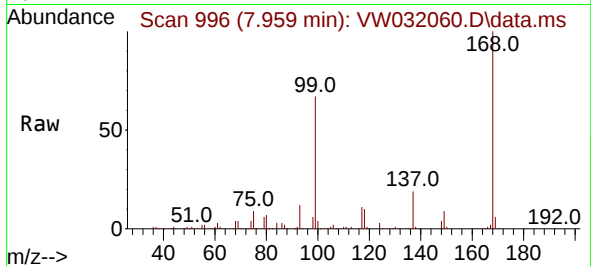




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.959 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VW032060.D  
Acq: 11 Aug 2025 12:18

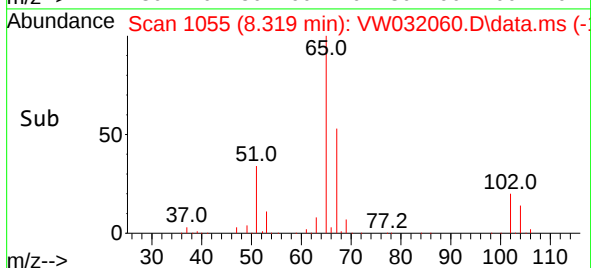
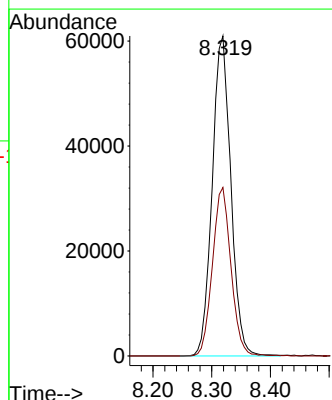
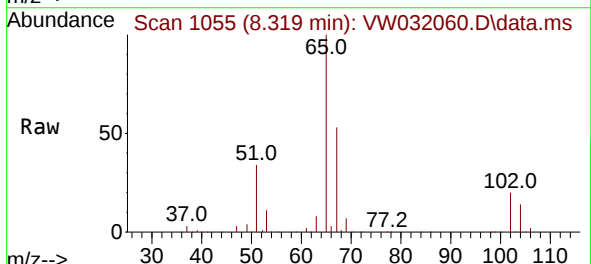
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0811SBL01

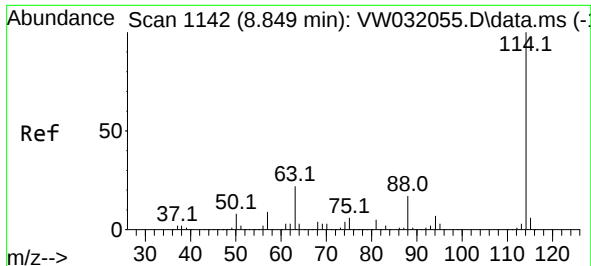
Tgt Ion:168 Resp: 176404  
Ion Ratio Lower Upper  
168 100  
99 67.3 56.0 84.0



#33  
1,2-Dichloroethane-d4  
Concen: 52.590 ug/l  
RT: 8.319 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: VW032060.D  
Acq: 11 Aug 2025 12:18

Tgt Ion: 65 Resp: 134172  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VW032060.D

Acq: 11 Aug 2025 12:18

Instrument :

MSVOA\_W

ClientSampleId :

VW0811SBL01

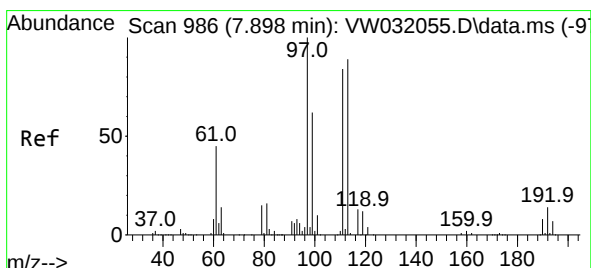
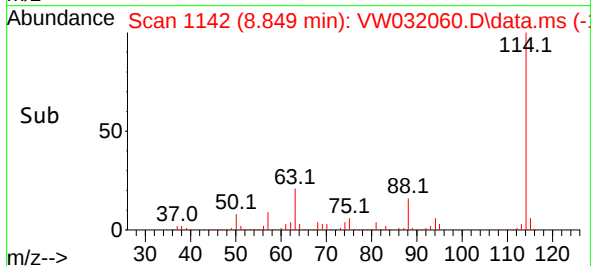
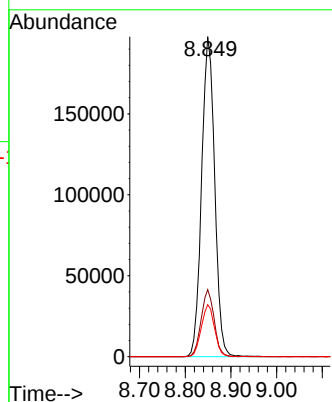
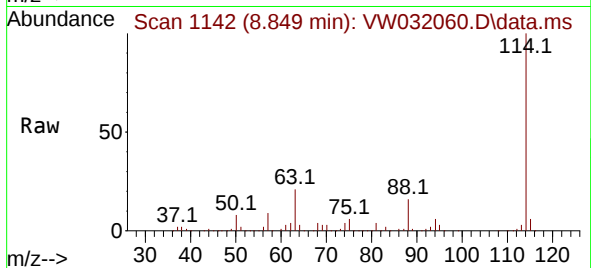
Tgt Ion:114 Resp: 391811

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.0

88 16.3 0.0 33.8



#35

Dibromofluoromethane

Concen: 47.813 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.000 min

Lab File: VW032060.D

Acq: 11 Aug 2025 12:18

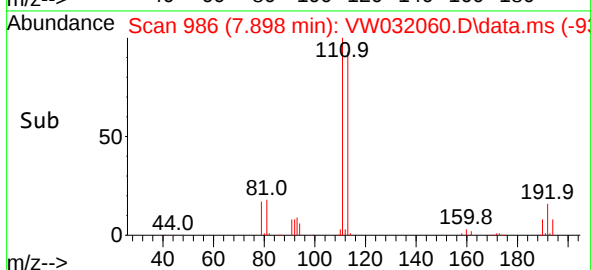
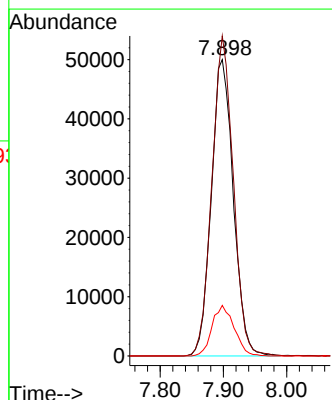
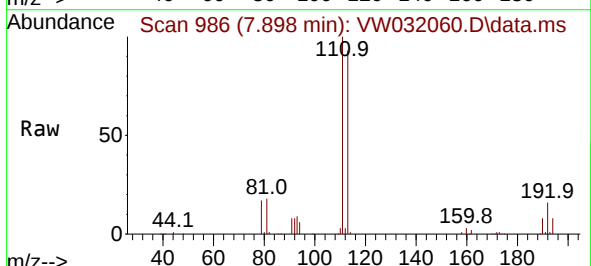
Tgt Ion:113 Resp: 121027

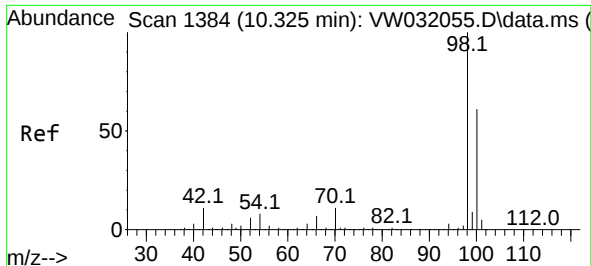
Ion Ratio Lower Upper

113 100

111 104.5 80.1 120.1

192 17.1 13.1 19.7

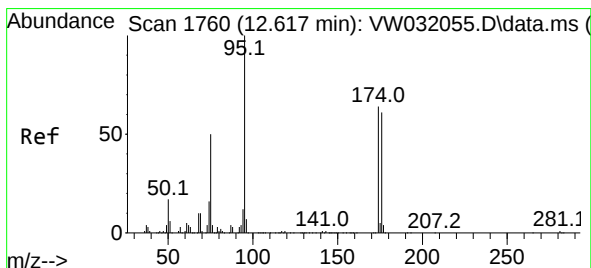
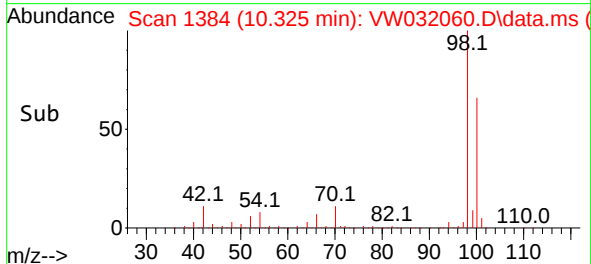
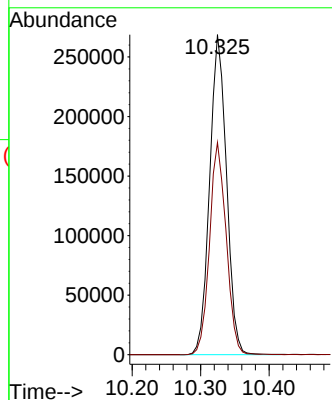
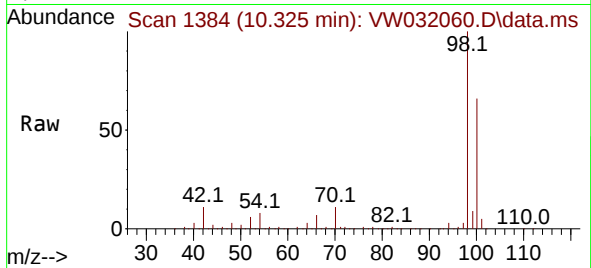




#50  
Toluene-d8  
Concen: 49.095 ug/l  
RT: 10.325 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW032060.D  
Acq: 11 Aug 2025 12:18

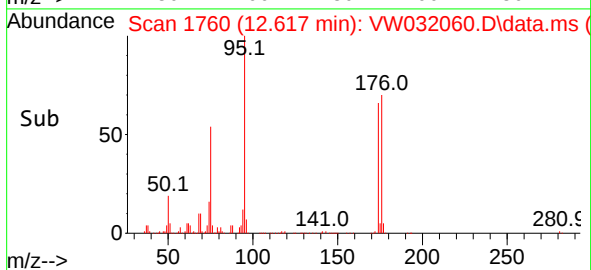
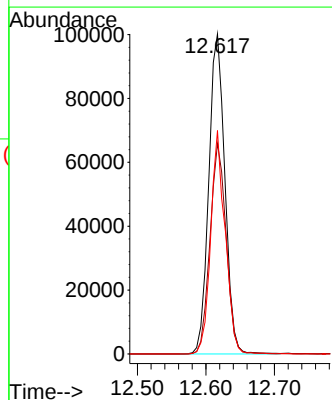
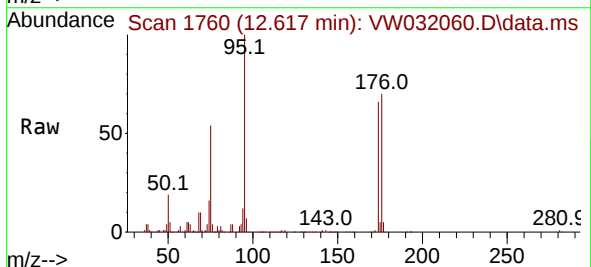
Instrument :  
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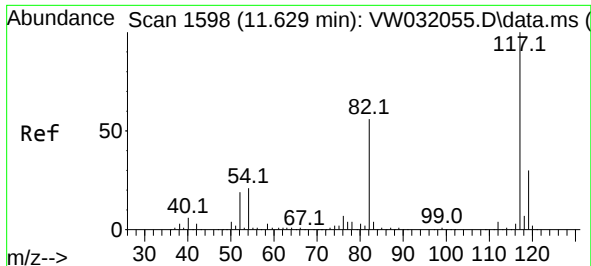
Tgt Ion: 98 Resp: 459644  
Ion Ratio Lower Upper  
98 100  
100 65.4 51.1 76.7



#62  
4-Bromofluorobenzene  
Concen: 47.413 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. -0.000 min  
Lab File: VW032060.D  
Acq: 11 Aug 2025 12:18

Tgt Ion: 95 Resp: 163583  
Ion Ratio Lower Upper  
95 100  
174 66.1 0.0 129.0  
176 62.9 0.0 124.6

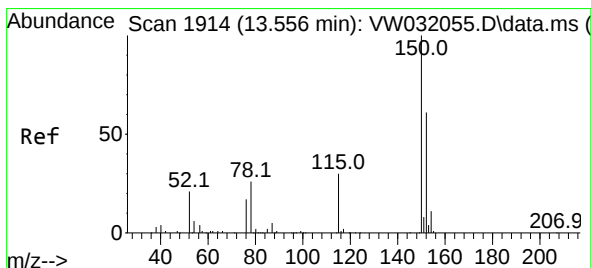
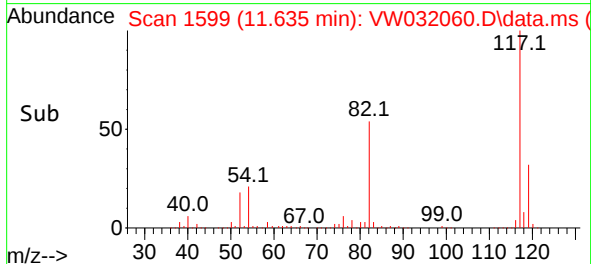
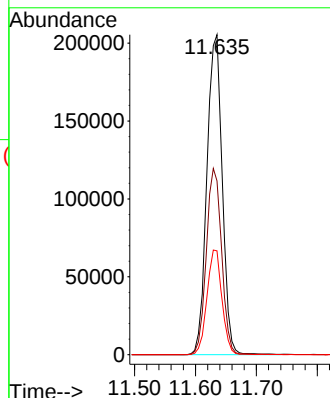
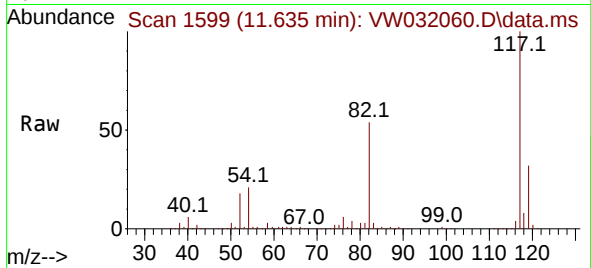




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.635 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW032060.D  
Acq: 11 Aug 2025 12:18

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0811SBL01

Tgt Ion:117 Resp: 359327  
Ion Ratio Lower Upper  
117 100  
82 54.3 45.0 67.4  
119 32.5 24.2 36.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.556 min Scan# 1914  
Delta R.T. -0.000 min  
Lab File: VW032060.D  
Acq: 11 Aug 2025 12:18

Tgt Ion:152 Resp: 169733  
Ion Ratio Lower Upper  
152 100  
115 64.8 32.6 97.8  
150 154.1 0.0 359.4

