

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW112625\  
 Data File : VW032542.D  
 Acq On : 26 Nov 2025 14:36  
 Operator : SY/MD  
 Sample : Q3604-04  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL/B  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S-1

Quant Time: Nov 26 15:20:31 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111025S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 11 03:48:21 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.959  | 168  | 202457   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.849  | 114  | 487508   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.629 | 117  | 546383   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.556 | 152  | 253441   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.319  | 65    | 177410   | 67.969   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 63 - 155 | Recovery | =    | 135.940% |
| 35) Dibromofluoromethane    | 7.898  | 113   | 155527   | 53.284   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 70 - 134 | Recovery | =    | 106.560% |
| 50) Toluene-d8              | 10.325 | 98    | 518125   | 46.271   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 123 | Recovery | =    | 92.540%  |
| 62) 4-Bromofluorobenzene    | 12.617 | 95    | 227760   | 53.844   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 17 - 146 | Recovery | =    | 107.680% |

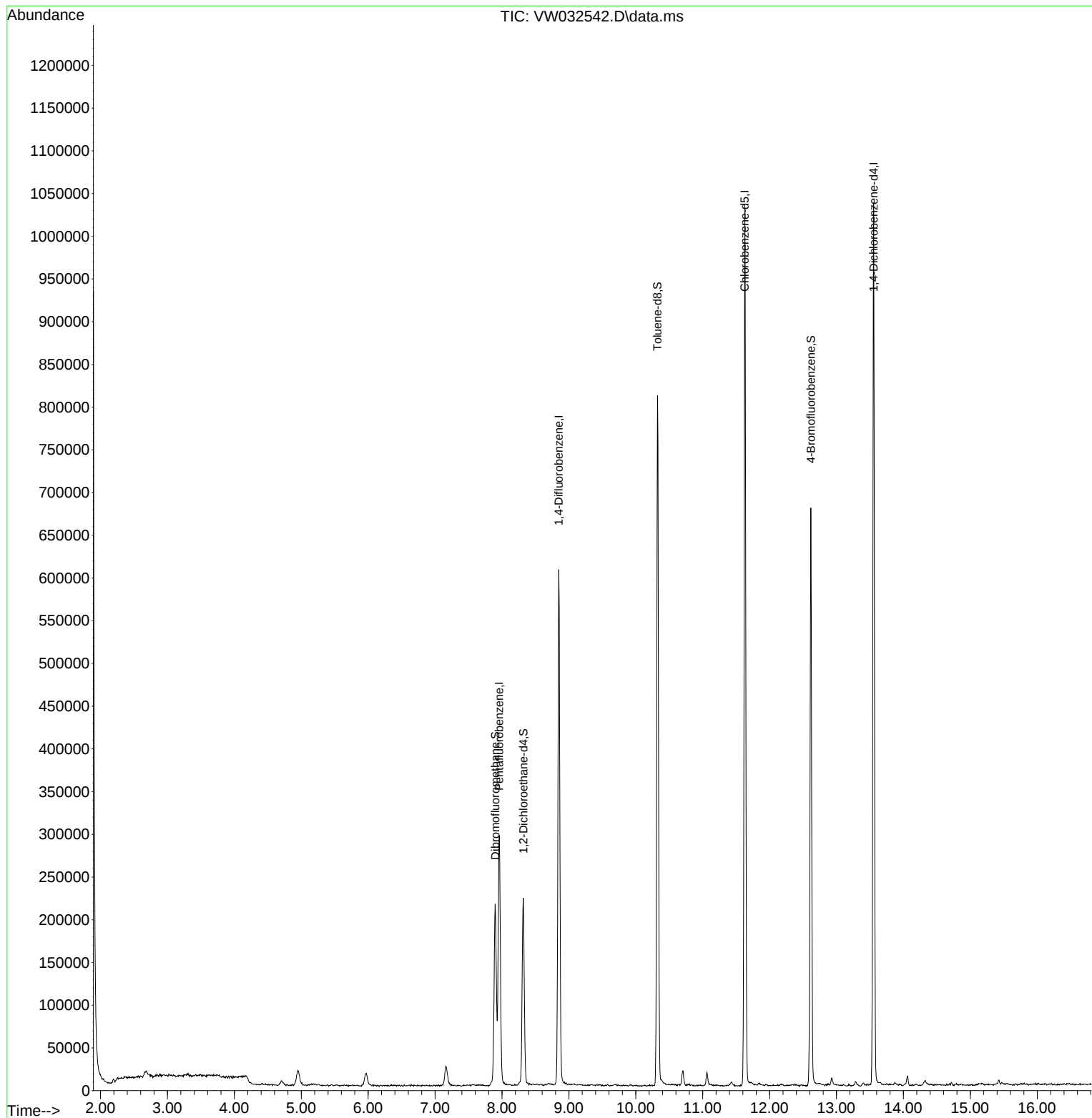
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

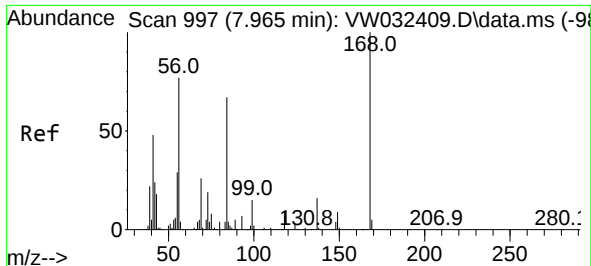
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Tue Nov 11 03:48:21 2025  
Response via : Initial Calibration

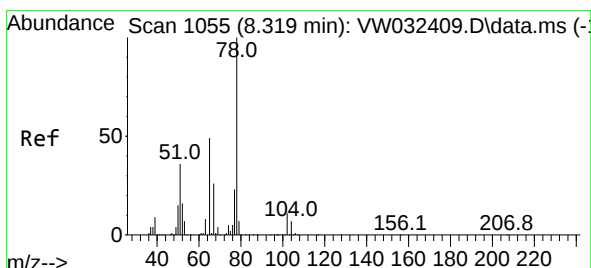
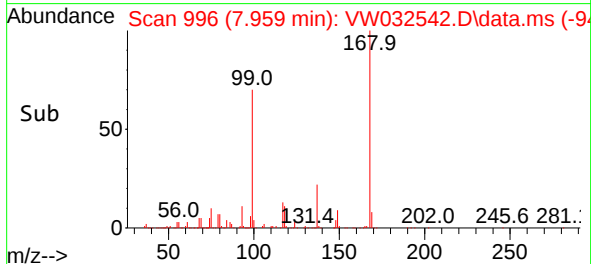
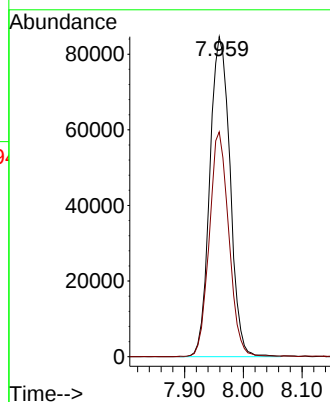
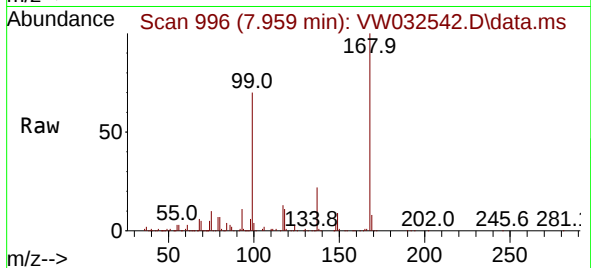




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.959 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: VW032542.D  
Acq: 26 Nov 2025 14:36

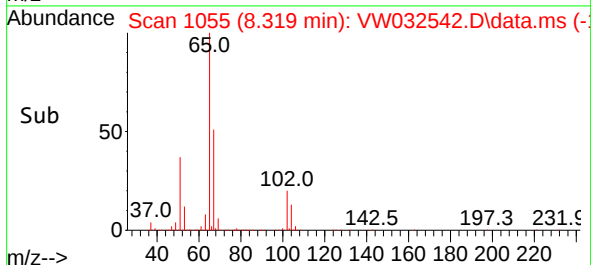
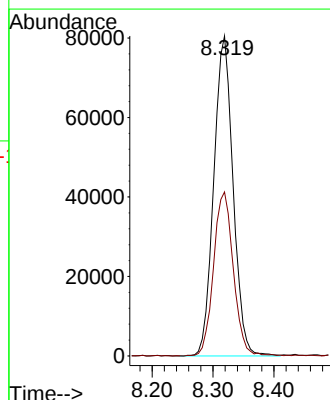
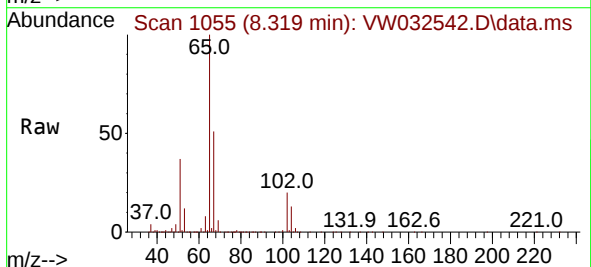
Instrument :  
MSVOA\_W  
ClientSampleId :  
S-1

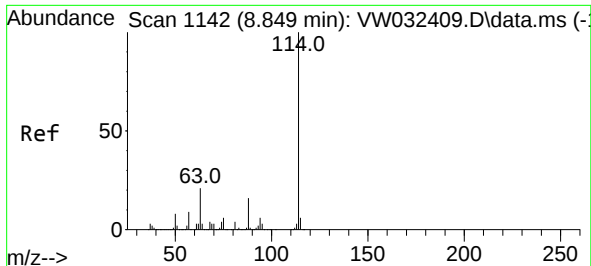
Tgt Ion:168 Resp: 202457  
Ion Ratio Lower Upper  
168 100  
99 70.1 45.4 68.2#



#33  
1,2-Dichloroethane-d4  
Concen: 67.969 ug/l  
RT: 8.319 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: VW032542.D  
Acq: 26 Nov 2025 14:36

Tgt Ion: 65 Resp: 177410  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 106.8

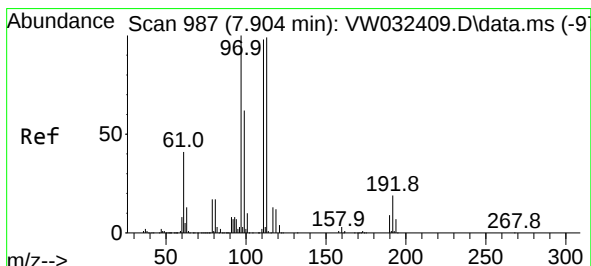
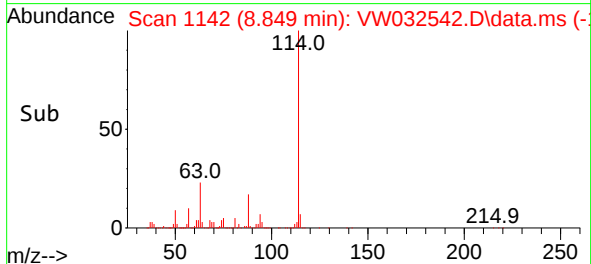
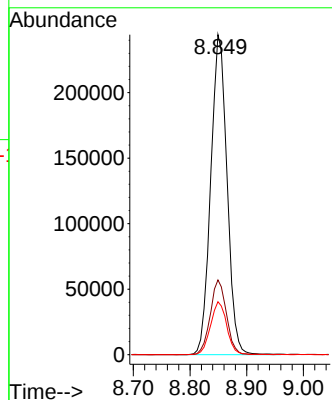
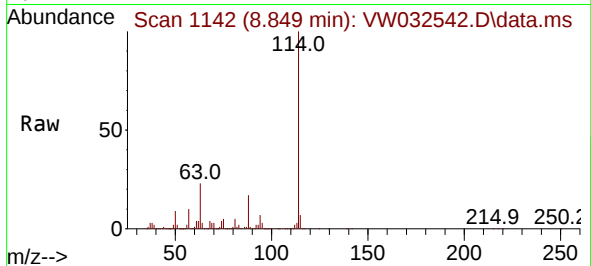




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.849 min Scan# 1142  
Delta R.T. -0.000 min  
Lab File: VW032542.D  
Acq: 26 Nov 2025 14:36

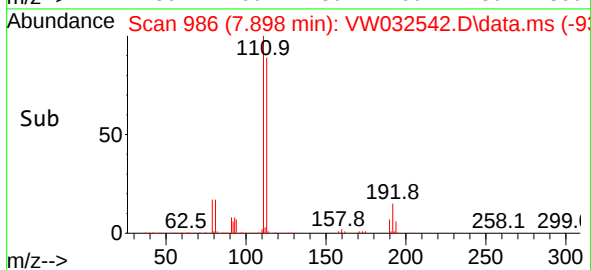
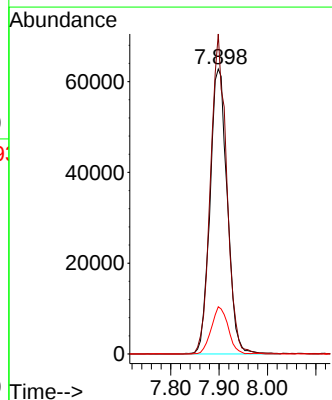
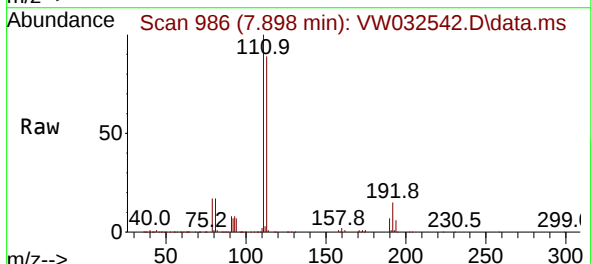
Instrument :  
MSVOA\_W  
ClientSampleId :  
S-1

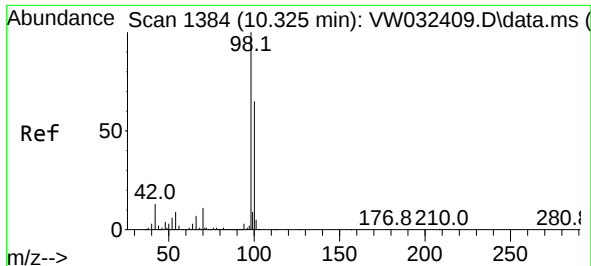
Tgt Ion:114 Resp: 487508  
Ion Ratio Lower Upper  
114 100  
63 23.3 0.0 41.8  
88 16.5 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 53.284 ug/l  
RT: 7.898 min Scan# 986  
Delta R.T. -0.006 min  
Lab File: VW032542.D  
Acq: 26 Nov 2025 14:36

Tgt Ion:113 Resp: 155527  
Ion Ratio Lower Upper  
113 100  
111 105.1 83.1 124.7  
192 16.1 13.4 20.2

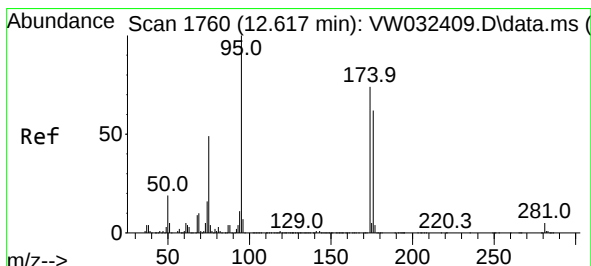
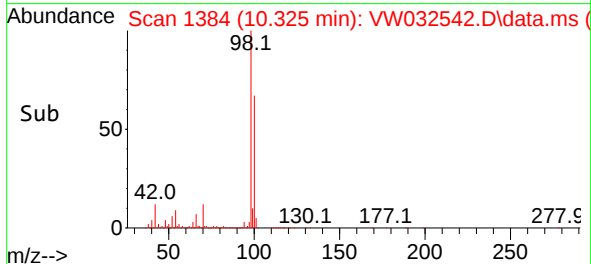
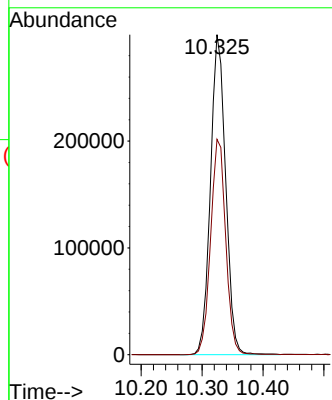
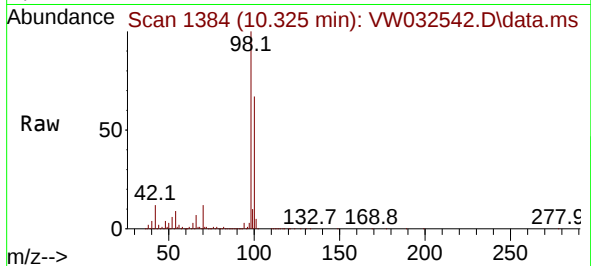




#50  
Toluene-d8  
Concen: 46.271 ug/l  
RT: 10.325 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW032542.D  
Acq: 26 Nov 2025 14:36

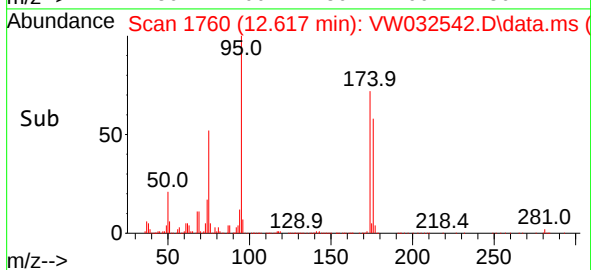
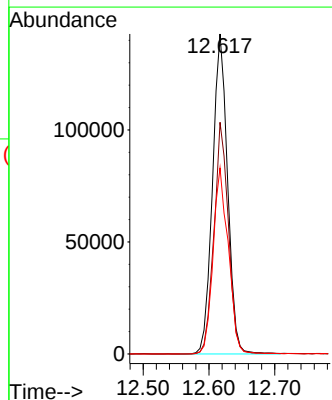
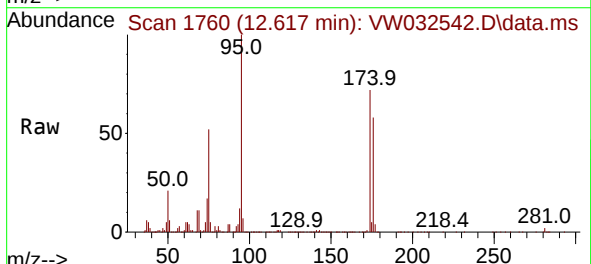
Instrument :  
MSVOA\_W  
ClientSampleId :  
S-1

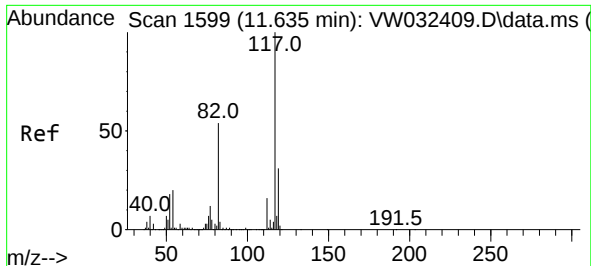
Tgt Ion: 98 Resp: 518125  
Ion Ratio Lower Upper  
98 100  
100 67.0 53.3 79.9



#62  
4-Bromofluorobenzene  
Concen: 53.844 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. -0.000 min  
Lab File: VW032542.D  
Acq: 26 Nov 2025 14:36

Tgt Ion: 95 Resp: 227760  
Ion Ratio Lower Upper  
95 100  
174 69.4 0.0 135.4  
176 58.9 0.0 131.8

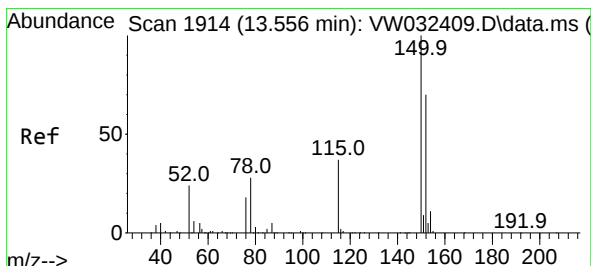
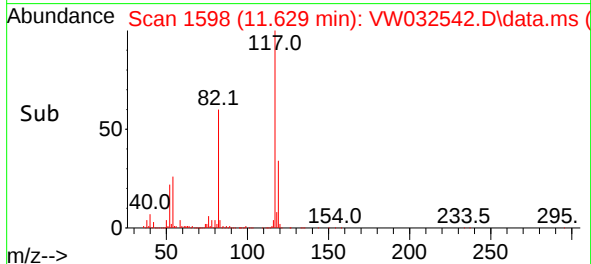
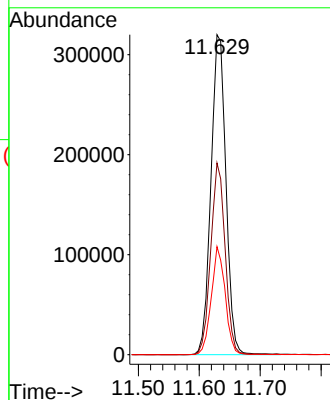
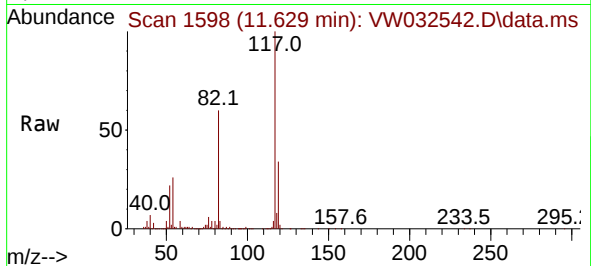




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.629 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW032542.D  
Acq: 26 Nov 2025 14:36

Instrument :  
MSVOA\_W  
ClientSampleId :  
S-1

Tgt Ion:117 Resp: 546383  
Ion Ratio Lower Upper  
117 100  
82 59.9 43.0 64.4  
119 33.8 25.0 37.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.556 min Scan# 1914  
Delta R.T. -0.000 min  
Lab File: VW032542.D  
Acq: 26 Nov 2025 14:36

Tgt Ion:152 Resp: 253441  
Ion Ratio Lower Upper  
152 100  
115 65.6 32.8 98.3  
150 157.0 0.0 356.6

