

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW080125\  
 Data File : VW031976.D  
 Acq On : 01 Aug 2025 11:34  
 Operator : SY/MD  
 Sample : Q2740-01  
 Misc : 5.03g/5mL/MSVOA\_W/SOIL/A  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 OR-02-07312025

Quant Time: Aug 01 23:10:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W072225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 23 08:18:46 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.959  | 168  | 141439   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.849  | 114  | 301033   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.635 | 117  | 289272   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.556 | 152  | 143366   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.319  | 65    | 116211   | 54.314   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 63 - 155 | Recovery | =    | 108.620% |
| 35) Dibromofluoromethane    | 7.904  | 113   | 101034   | 49.392   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 70 - 134 | Recovery | =    | 98.780%  |
| 50) Toluene-d8              | 10.325 | 98    | 376471   | 48.628   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 123 | Recovery | =    | 97.260%  |
| 62) 4-Bromofluorobenzene    | 12.617 | 95    | 131240   | 44.148   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 17 - 146 | Recovery | =    | 88.300%  |

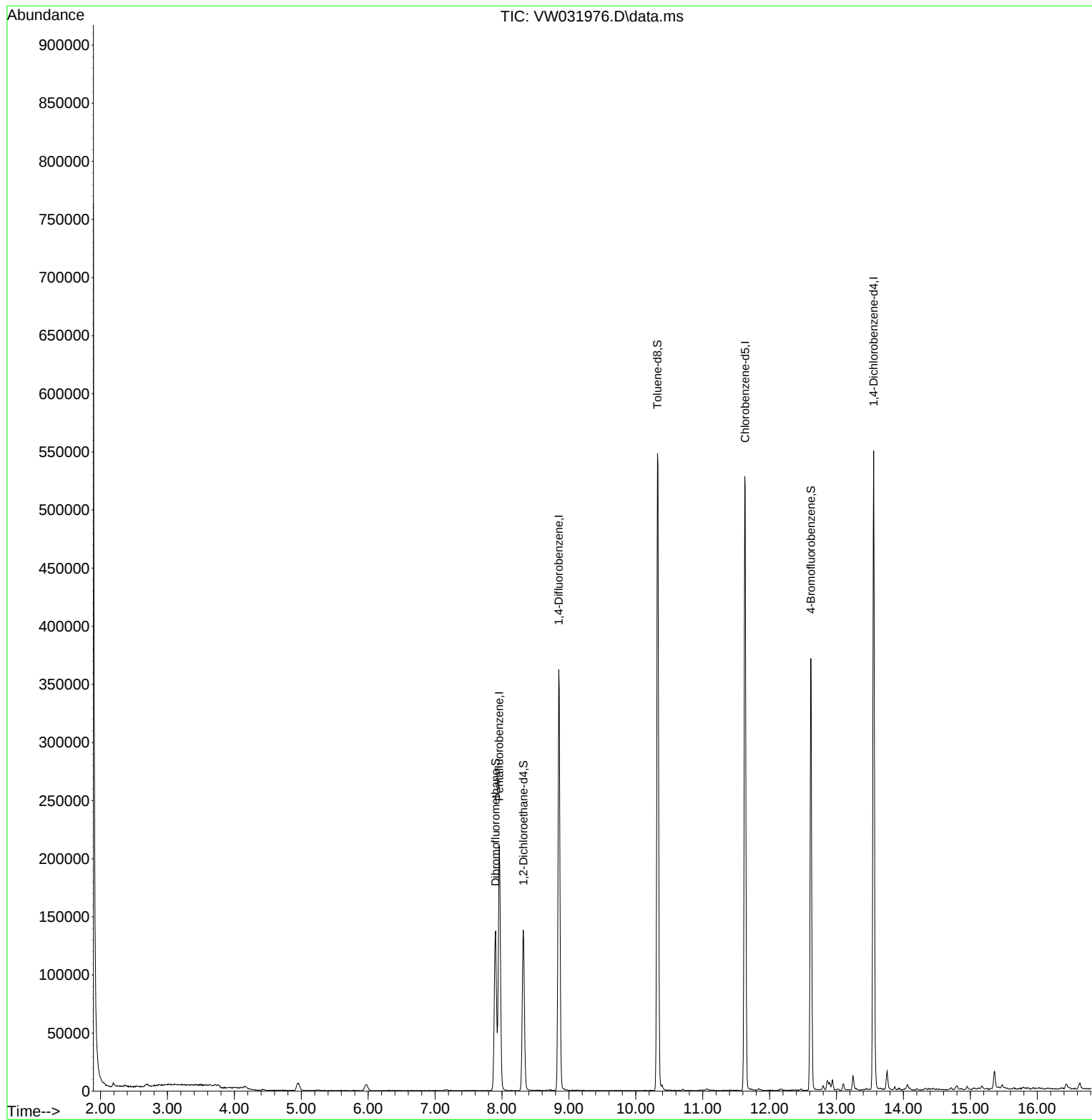
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

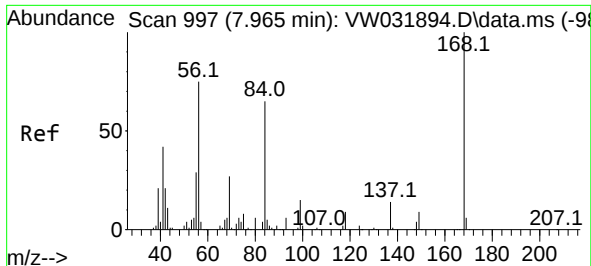
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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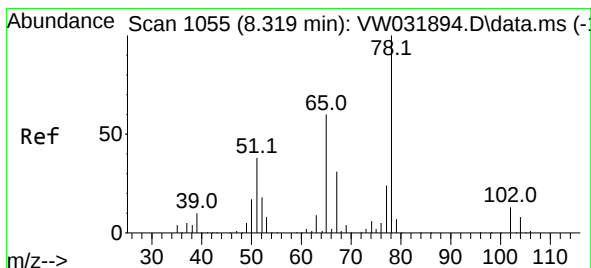
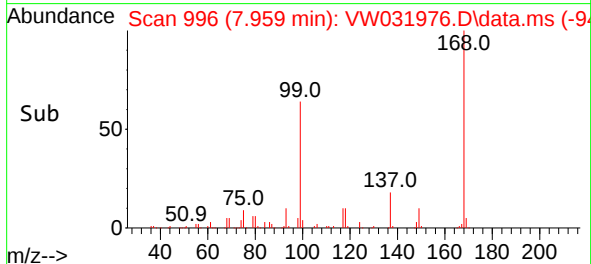
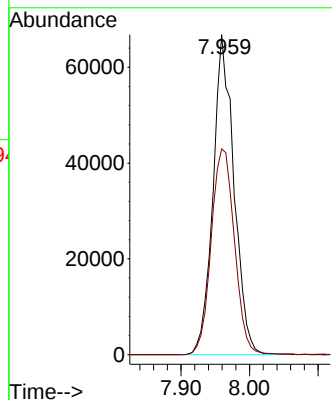
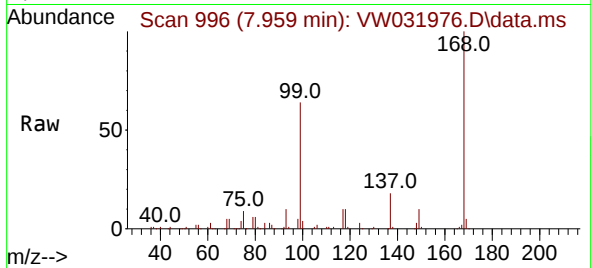




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.959 min Scan# 997  
Delta R.T. -0.006 min  
Lab File: VW031976.D  
Acq: 01 Aug 2025 11:34

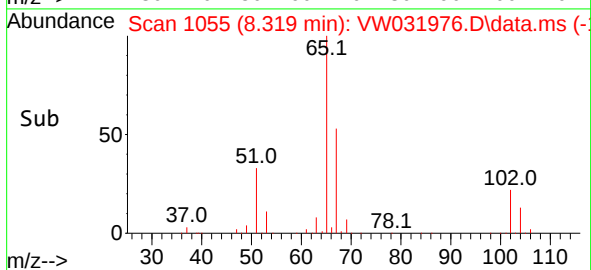
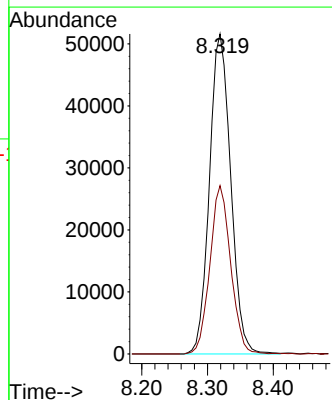
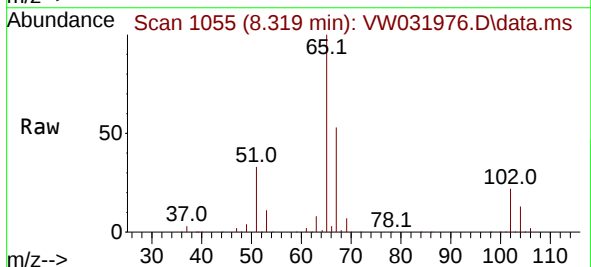
Instrument :  
MSVOA\_W  
ClientSampleId :  
OR-02-07312025

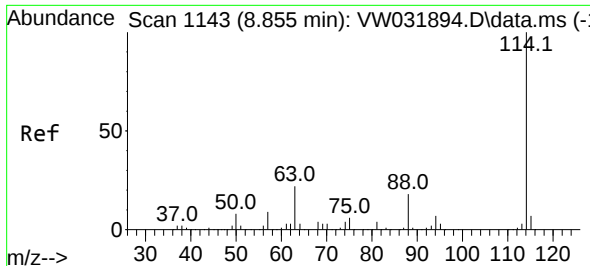
Tgt Ion:168 Resp: 141439  
Ion Ratio Lower Upper  
168 100  
99 64.3 48.2 72.2



#33  
1,2-Dichloroethane-d4  
Concen: 54.314 ug/l  
RT: 8.319 min Scan# 1055  
Delta R.T. 0.000 min  
Lab File: VW031976.D  
Acq: 01 Aug 2025 11:34

Tgt Ion: 65 Resp: 116211  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW031976.D

Acq: 01 Aug 2025 11:34

Instrument :

MSVOA\_W

ClientSampleId :

OR-02-07312025

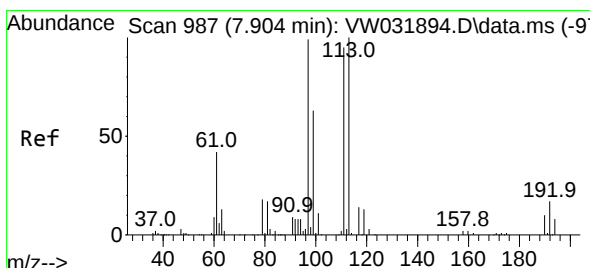
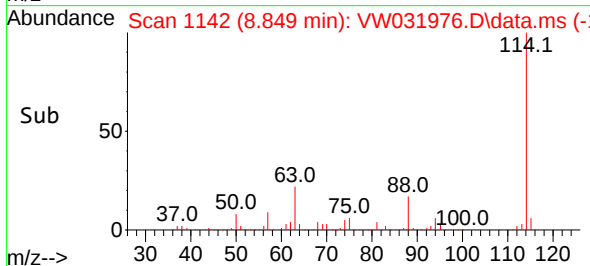
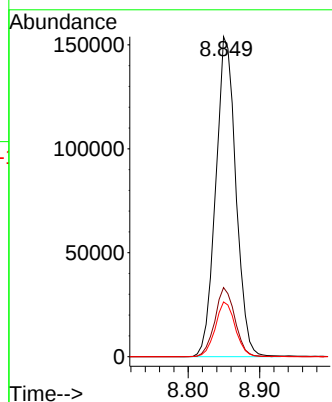
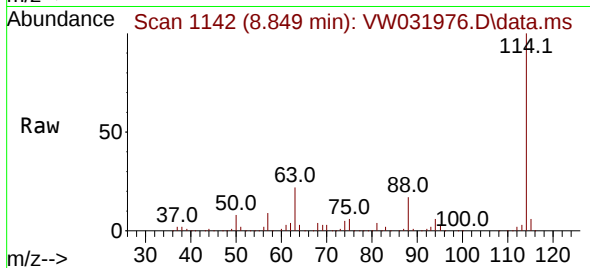
Tgt Ion:114 Resp: 301033

Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.2

88 17.1 0.0 35.6



#35

Dibromofluoromethane

Concen: 49.392 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW031976.D

Acq: 01 Aug 2025 11:34

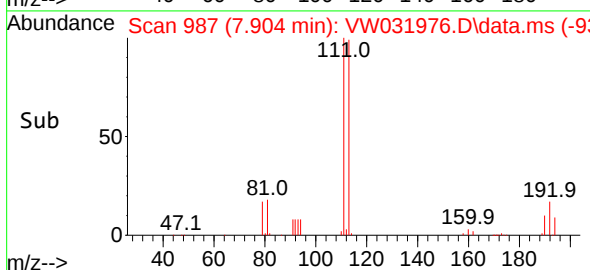
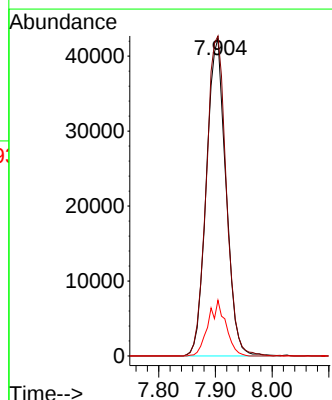
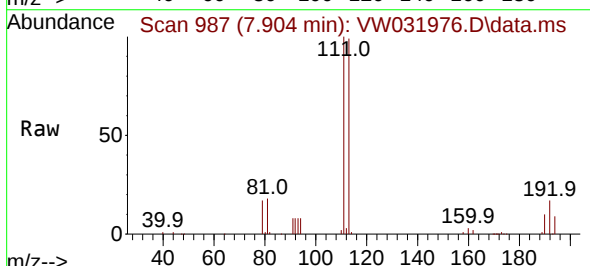
Tgt Ion:113 Resp: 101034

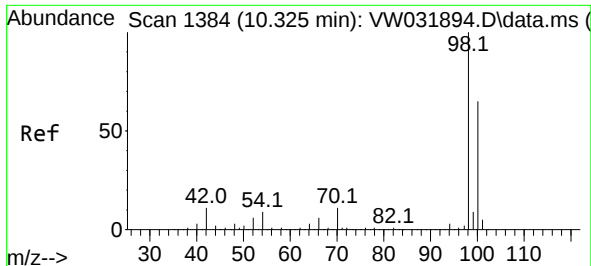
Ion Ratio Lower Upper

113 100

111 103.1 79.9 119.9

192 16.0 12.6 19.0

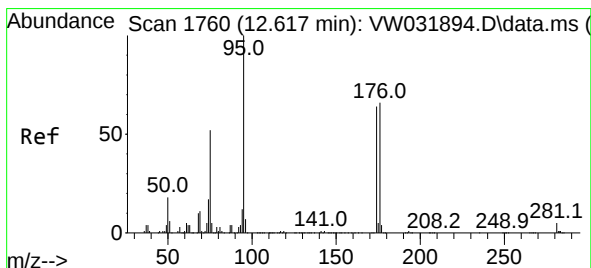
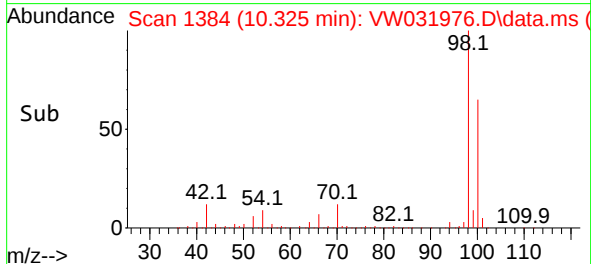
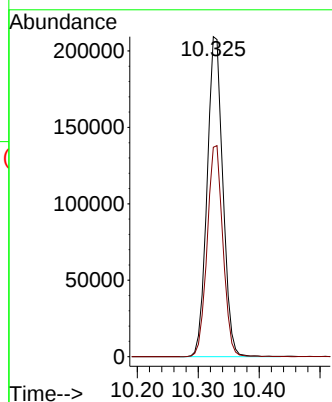
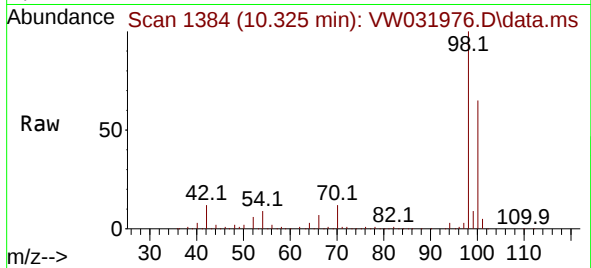




#50  
Toluene-d8  
Concen: 48.628 ug/l  
RT: 10.325 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW031976.D  
Acq: 01 Aug 2025 11:34

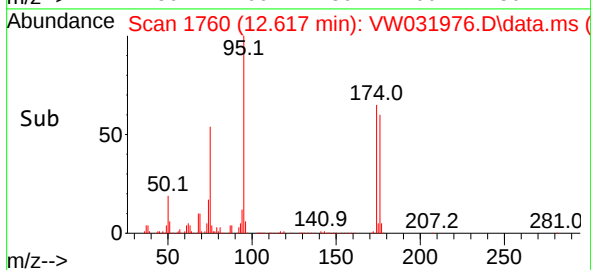
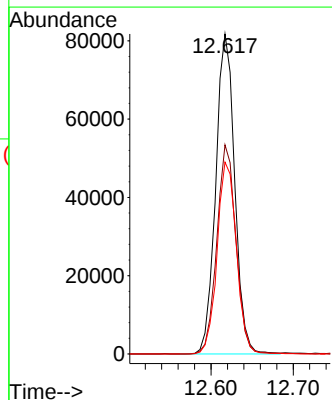
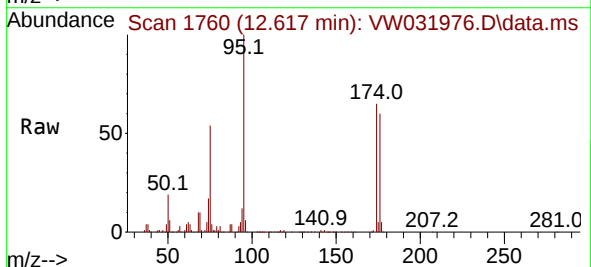
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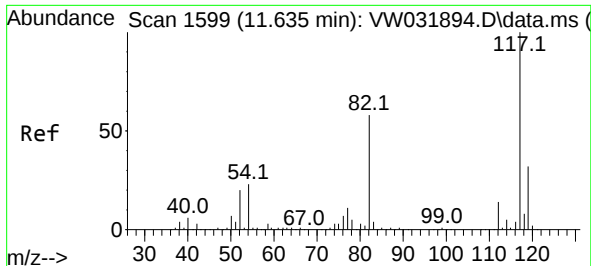
Tgt Ion: 98 Resp: 376471  
Ion Ratio Lower Upper  
98 100  
100 65.9 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 44.148 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. 0.000 min  
Lab File: VW031976.D  
Acq: 01 Aug 2025 11:34

Tgt Ion: 95 Resp: 131240  
Ion Ratio Lower Upper  
95 100  
174 66.1 0.0 129.8  
176 61.2 0.0 130.4

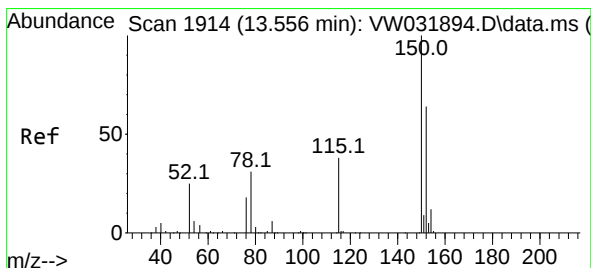
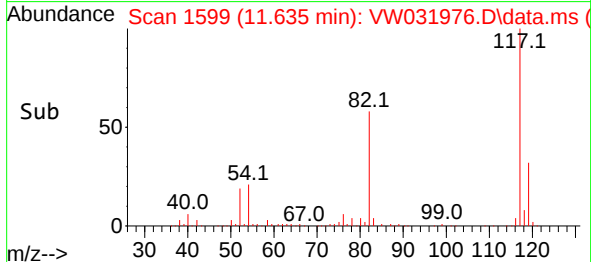
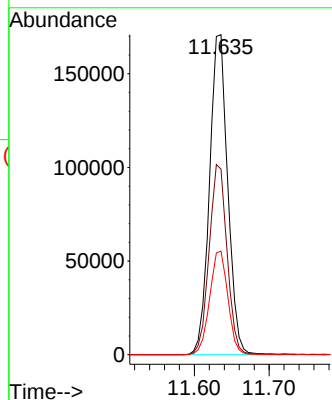
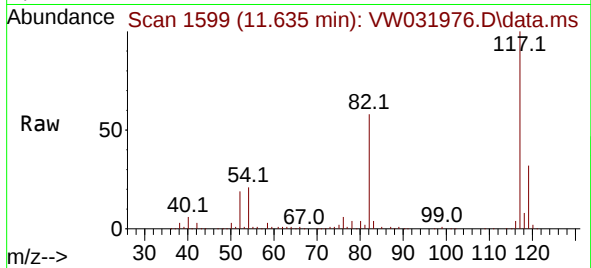




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.635 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW031976.D  
Acq: 01 Aug 2025 11:34

Instrument :  
MSVOA\_W  
ClientSampleId :  
OR-02-07312025

Tgt Ion:117 Resp: 289272  
Ion Ratio Lower Upper  
117 100  
82 58.0 46.5 69.7  
119 32.3 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.556 min Scan# 1914  
Delta R.T. 0.000 min  
Lab File: VW031976.D  
Acq: 01 Aug 2025 11:34

Tgt Ion:152 Resp: 143366  
Ion Ratio Lower Upper  
152 100  
115 63.1 33.4 100.1  
150 154.5 0.0 352.2

