

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072825\  
 Data File : VW031940.D  
 Acq On : 28 Jul 2025 11:31  
 Operator : SY/MD  
 Sample : VW0728SBL01  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0728SBL01

Quant Time: Jul 29 01:17:57 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      | 7.953  | 168  | 169272   | 50.000 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.849  | 114  | 366083   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.629 | 117  | 340455   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.556 | 152  | 157307   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.319  | 65    | 136023   | 53.120   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 63 - 155 | Recovery | =    | 106.240% |
| 35) Dibromofluoromethane    | 7.898  | 113   | 119470   | 48.027   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 70 - 134 | Recovery | =    | 96.060%  |
| 50) Toluene-d8              | 10.325 | 98    | 431990   | 45.885   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 123 | Recovery | =    | 91.760%  |
| 62) 4-Bromofluorobenzene    | 12.617 | 95    | 157628   | 43.603   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 17 - 146 | Recovery | =    | 87.200%  |

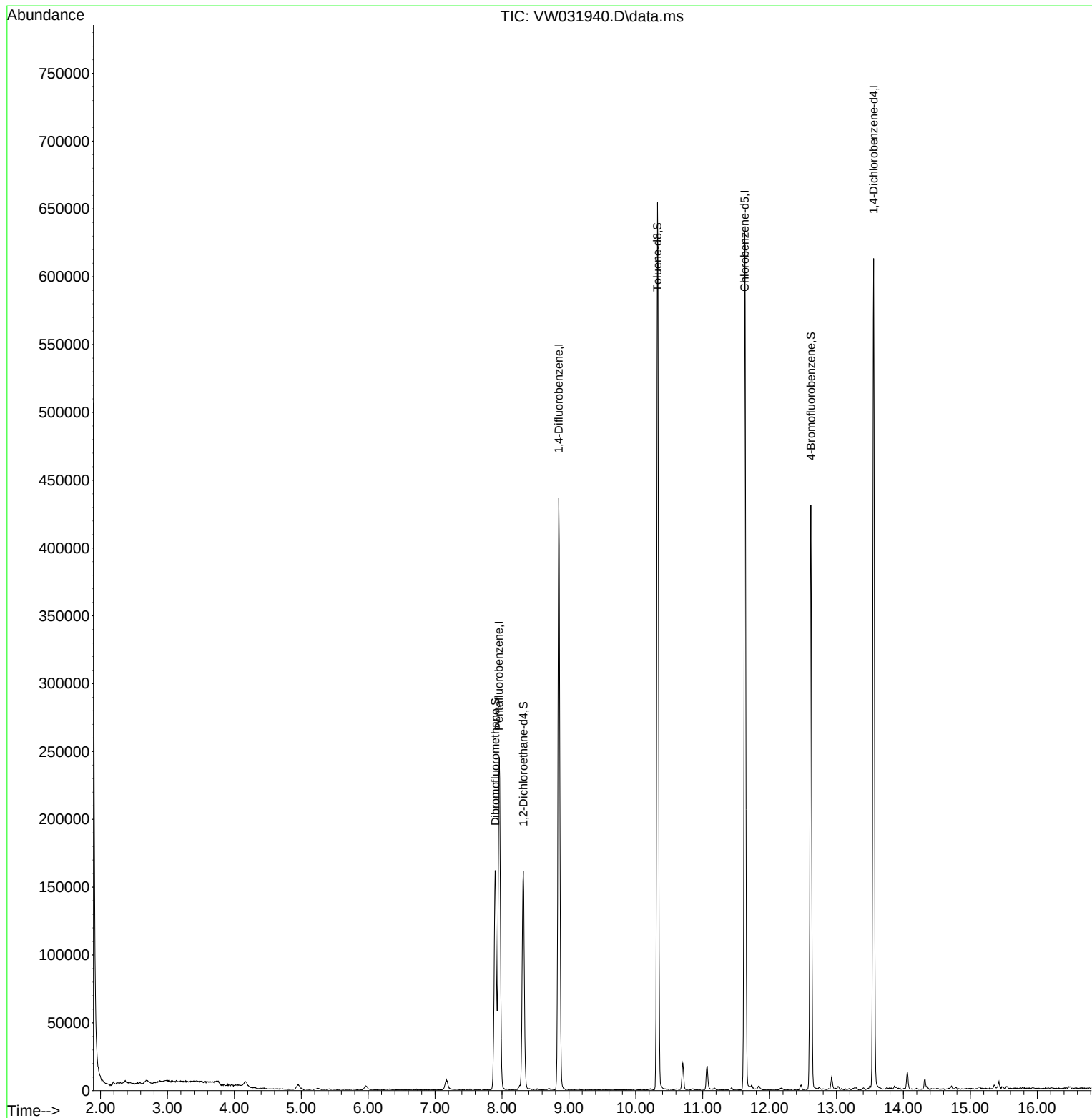
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

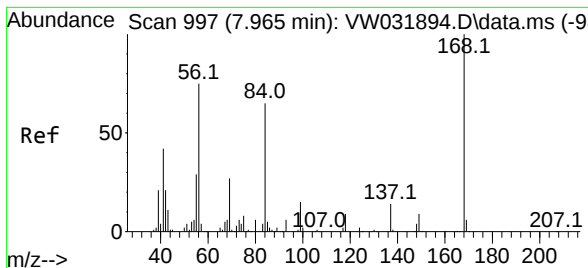
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Jul 23 08:18:46 2025  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.953 min Scan# 995

Delta R.T. -0.012 min

Lab File: VW031940.D

Acq: 28 Jul 2025 11:31

Instrument :

MSVOA\_W

ClientSampleId :

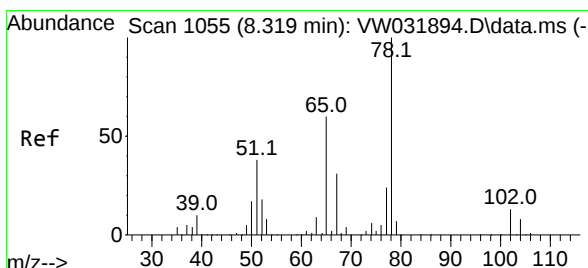
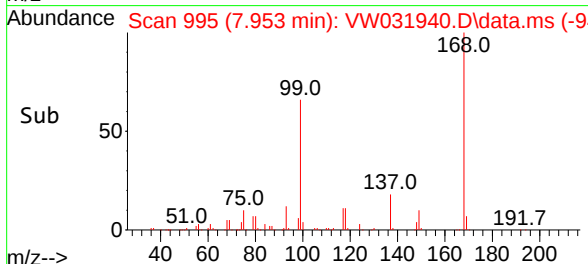
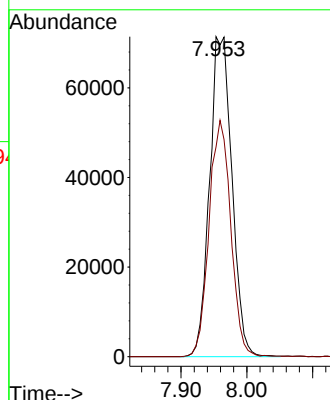
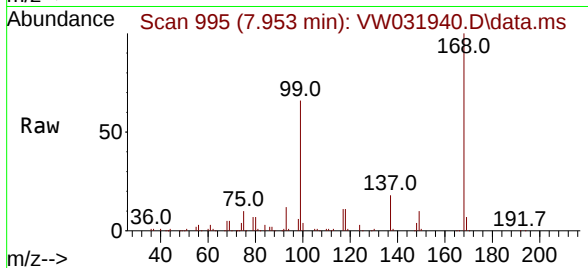
VW0728SBL01

Tgt Ion:168 Resp: 169272

Ion Ratio Lower Upper

168 100

99 65.6 48.2 72.2



#33

1,2-Dichloroethane-d4

Concen: 53.120 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031940.D

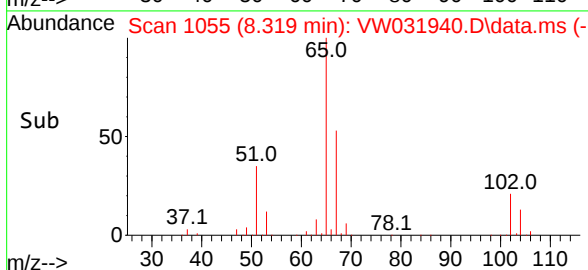
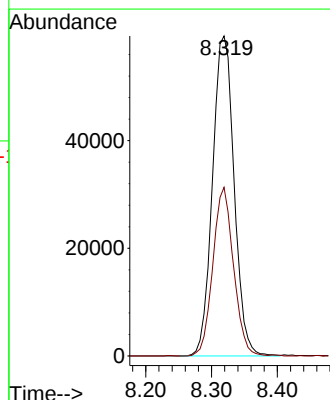
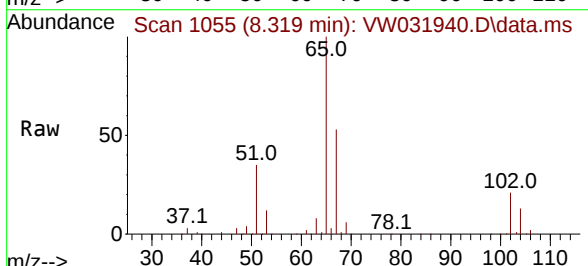
Acq: 28 Jul 2025 11:31

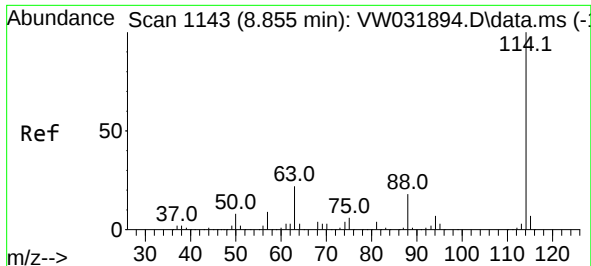
Tgt Ion: 65 Resp: 136023

Ion Ratio Lower Upper

65 100

67 50.3 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: VW031940.D

Acq: 28 Jul 2025 11:31

Instrument :

MSVOA\_W

ClientSampleId :

VW0728SBL01

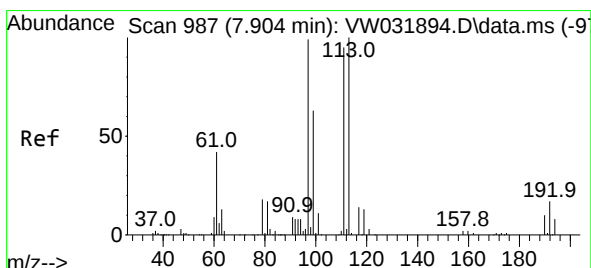
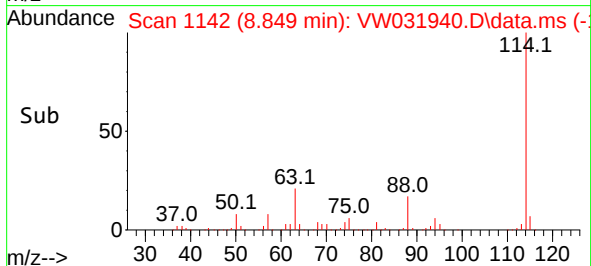
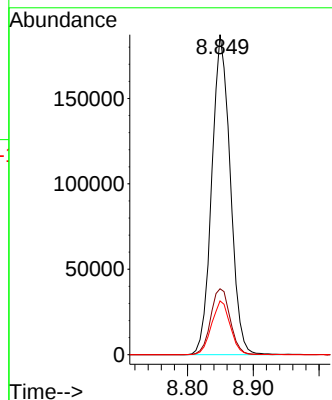
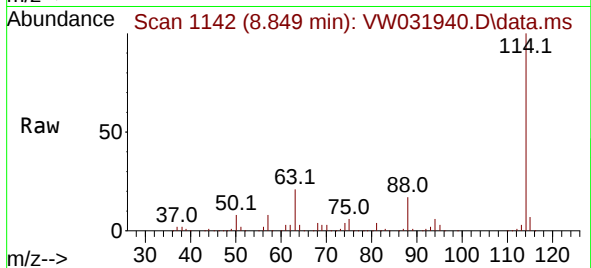
Tgt Ion:114 Resp: 366083

Ion Ratio Lower Upper

114 100

63 20.6 0.0 44.2

88 16.8 0.0 35.6



#35

Dibromofluoromethane

Concen: 48.027 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031940.D

Acq: 28 Jul 2025 11:31

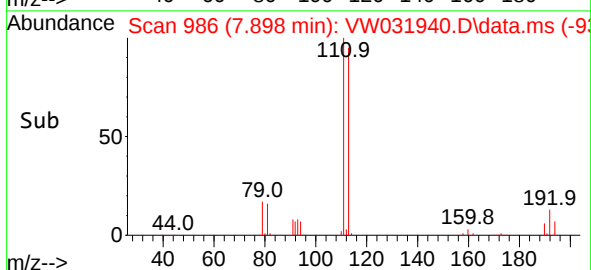
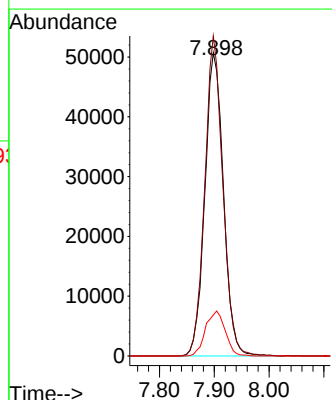
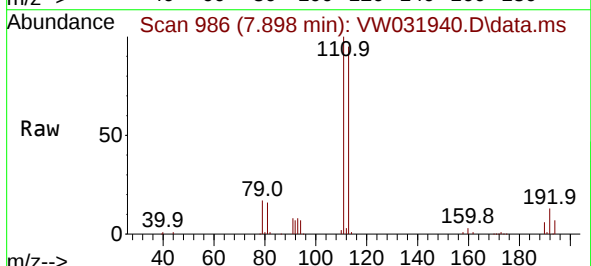
Tgt Ion:113 Resp: 119470

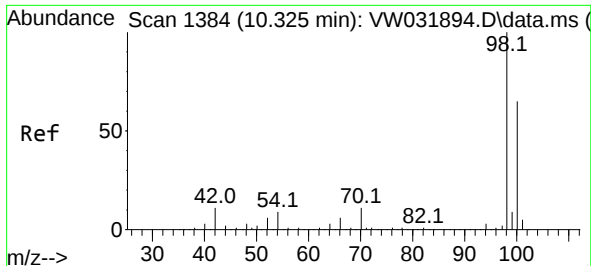
Ion Ratio Lower Upper

113 100

111 102.3 79.9 119.9

192 15.6 12.6 19.0

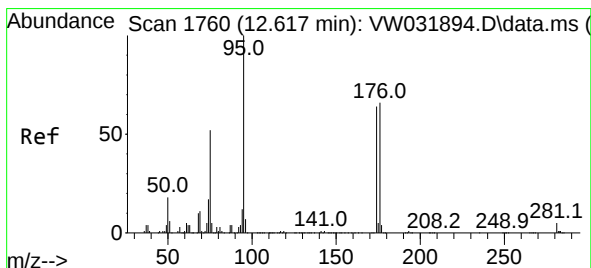
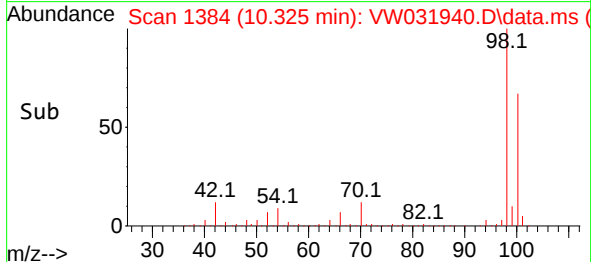
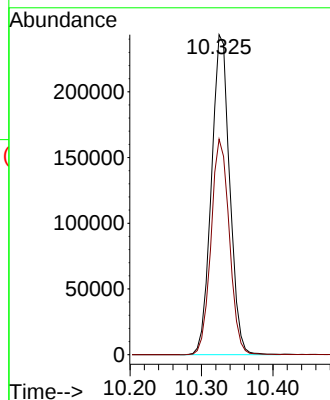
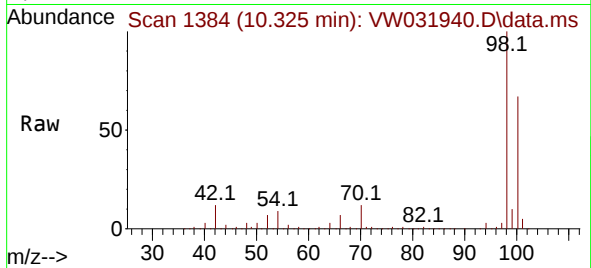




#50  
Toluene-d8  
Concen: 45.885 ug/l  
RT: 10.325 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VW031940.D  
Acq: 28 Jul 2025 11:31

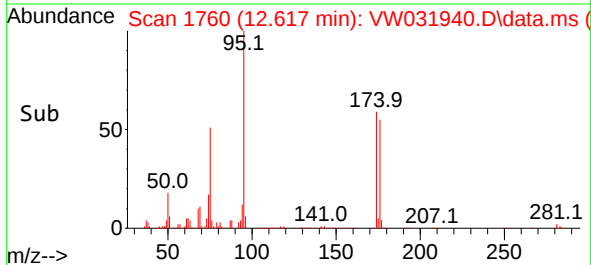
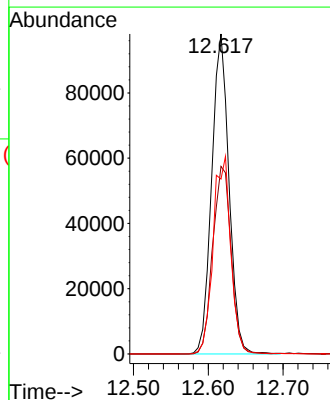
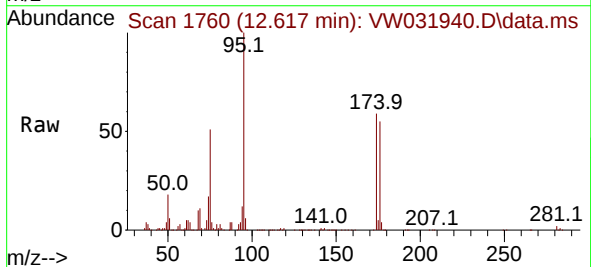
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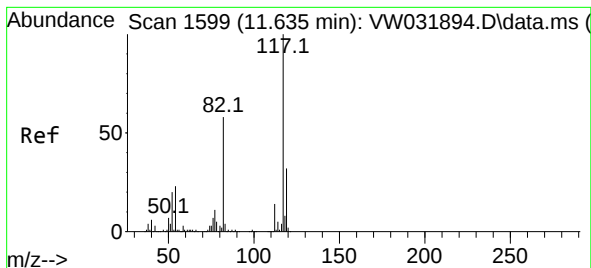
Tgt Ion: 98 Resp: 431990  
Ion Ratio Lower Upper  
98 100  
100 67.4 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 43.603 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. 0.000 min  
Lab File: VW031940.D  
Acq: 28 Jul 2025 11:31

Tgt Ion: 95 Resp: 157628  
Ion Ratio Lower Upper  
95 100  
174 62.1 0.0 129.8  
176 62.9 0.0 130.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW031940.D

Acq: 28 Jul 2025 11:31

Instrument :

MSVOA\_W

ClientSampleId :

VW0728SBL01

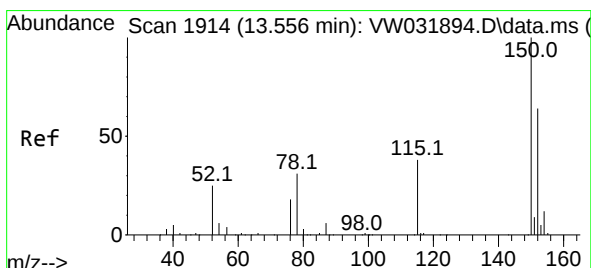
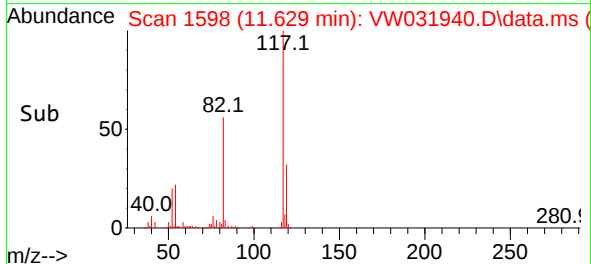
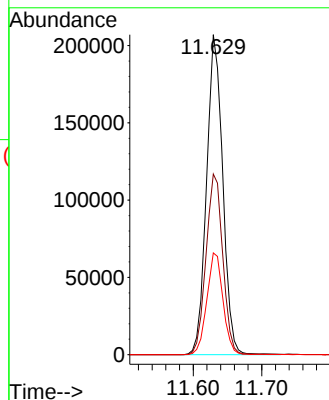
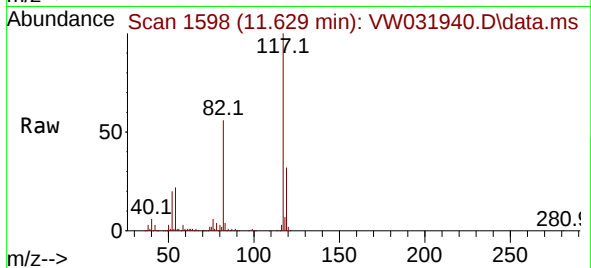
Tgt Ion:117 Resp: 340455

Ion Ratio Lower Upper

117 100

82 56.4 46.5 69.7

119 31.8 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: VW031940.D

Acq: 28 Jul 2025 11:31

Tgt Ion:152 Resp: 157307

Ion Ratio Lower Upper

152 100

115 65.7 33.4 100.1

150 158.6 0.0 352.2

