

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW073025\  
 Data File : VW031962.D  
 Acq On : 30 Jul 2025 15:06  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK

Quant Time: Jul 31 02:32:37 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      | 7.965  | 168  | 182310   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.855  | 114  | 387020   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.635 | 117  | 370418   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.556 | 152  | 174427   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.319  | 65    | 135887   | 49.272   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 63 - 155 | Recovery | =    | 98.540% |
| 35) Dibromofluoromethane    | 7.898  | 113   | 119191   | 45.322   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 70 - 134 | Recovery | =    | 90.640% |
| 50) Toluene-d8              | 10.325 | 98    | 428575   | 43.059   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 123 | Recovery | =    | 86.120% |
| 62) 4-Bromofluorobenzene    | 12.617 | 95    | 158012   | 41.345   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 17 - 146 | Recovery | =    | 82.680% |

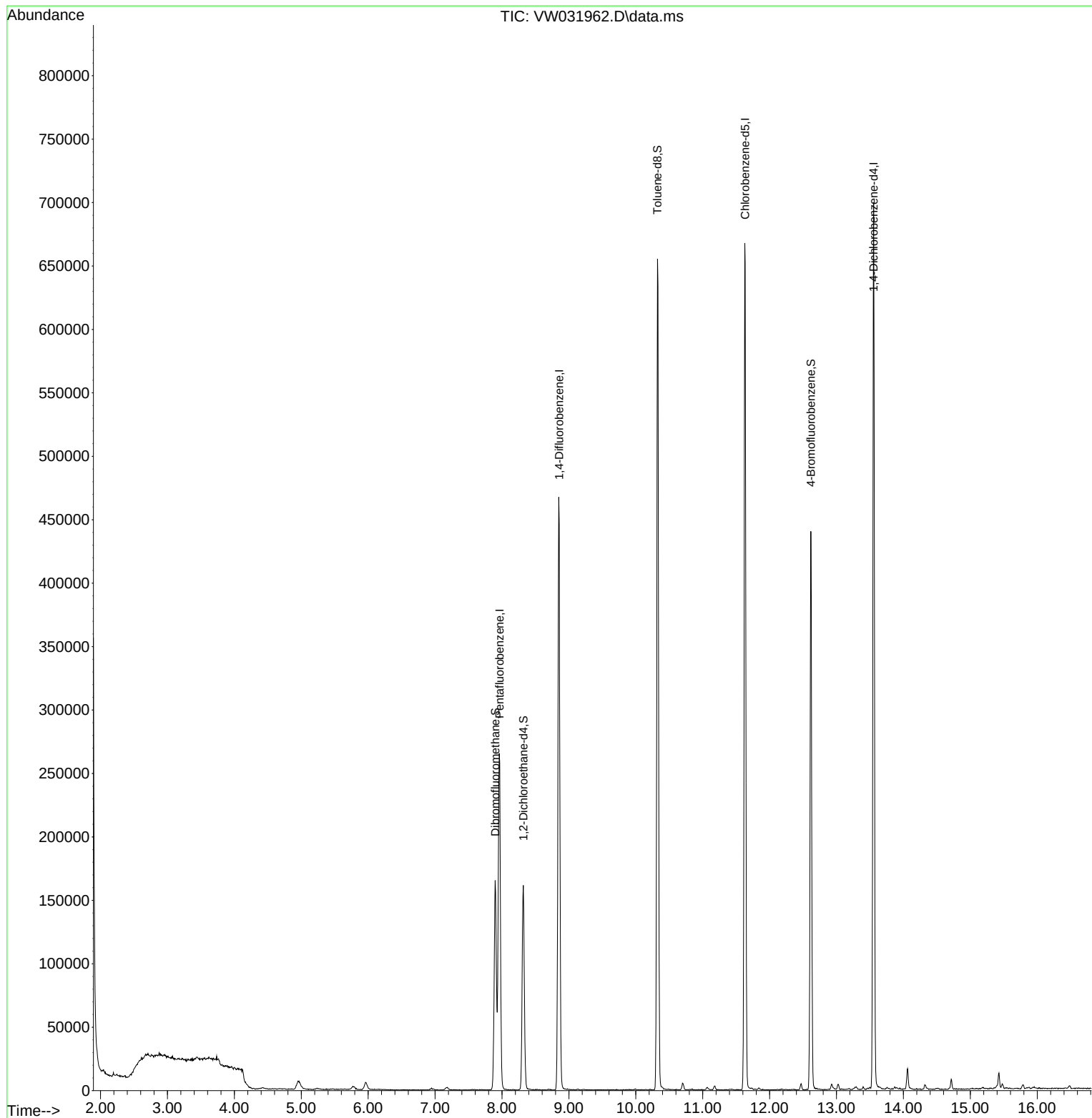
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

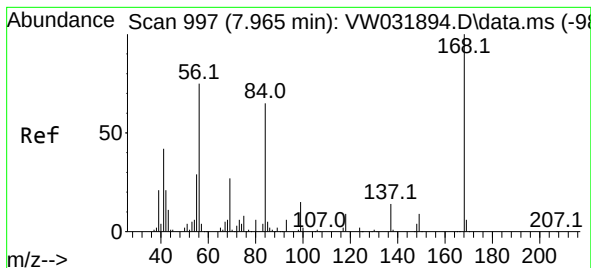
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.965 min Scan# 99

Delta R.T. 0.000 min

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Instrument :

MSVOA\_W

ClientSampleId :

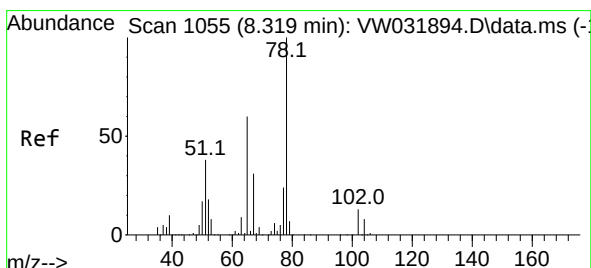
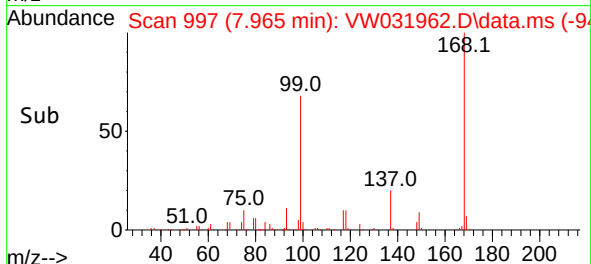
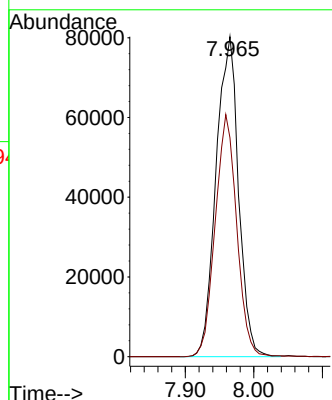
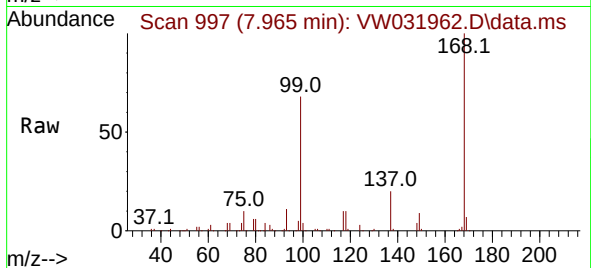
VIBLK

Tgt Ion:168 Resp: 182310

Ion Ratio Lower Upper

168 100

99 68.4 48.2 72.2



#33

1,2-Dichloroethane-d4

Concen: 49.272 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW031962.D

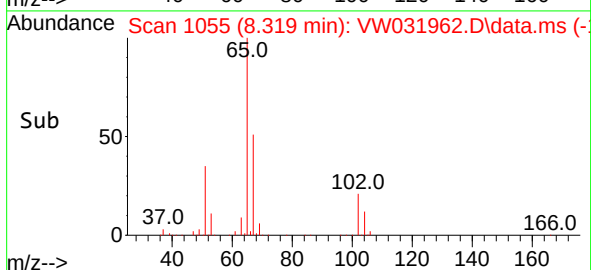
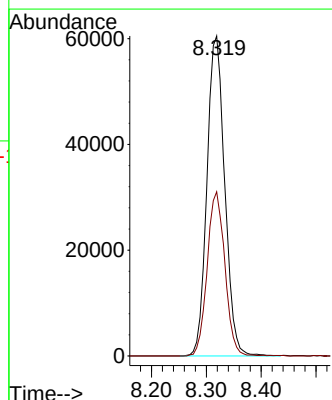
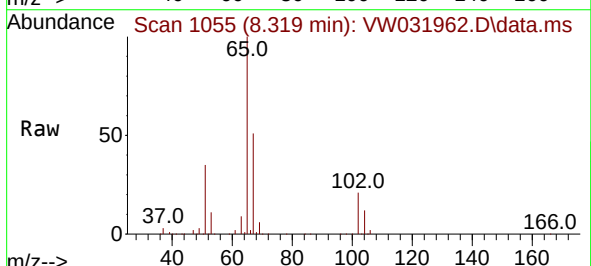
Acq: 30 Jul 2025 15:06

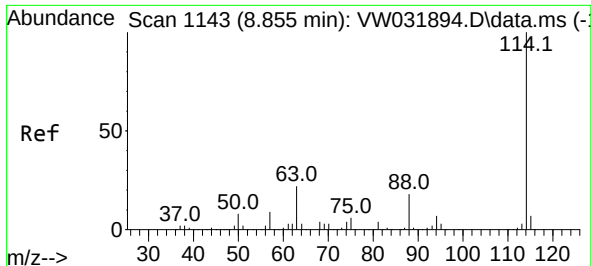
Tgt Ion: 65 Resp: 135887

Ion Ratio Lower Upper

65 100

67 51.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW031962.D

Acq: 30 Jul 2025 15:06

Instrument :

MSVOA\_W

ClientSampleId :

VIBLK

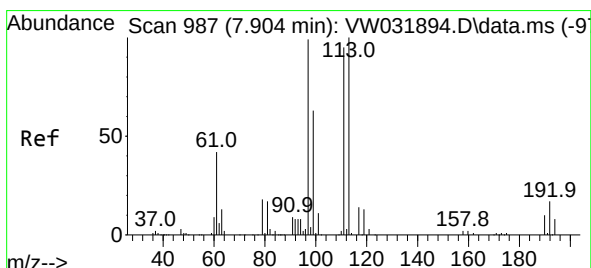
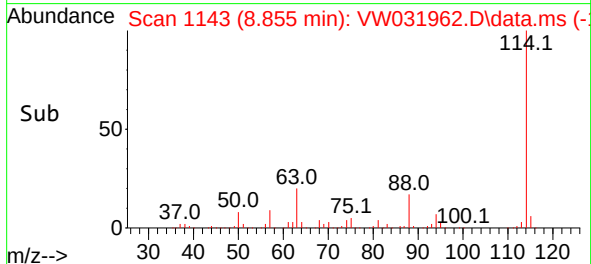
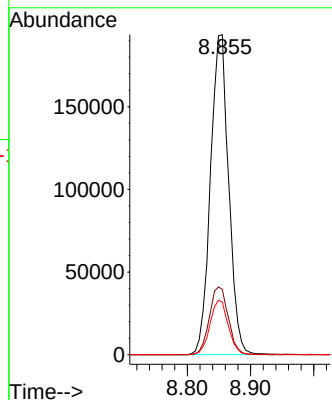
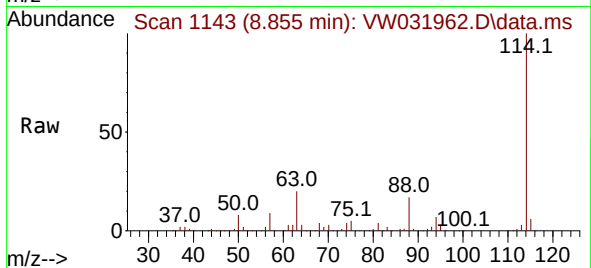
Tgt Ion:114 Resp: 387020

Ion Ratio Lower Upper

114 100

63 20.5 0.0 44.2

88 16.5 0.0 35.6



#35

Dibromofluoromethane

Concen: 45.322 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031962.D

Acq: 30 Jul 2025 15:06

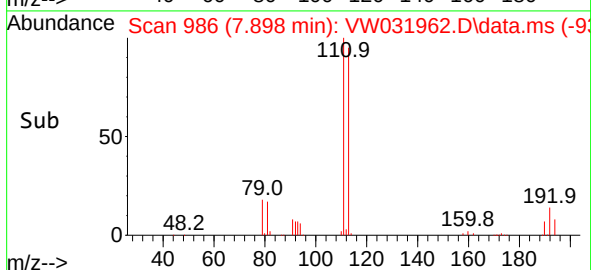
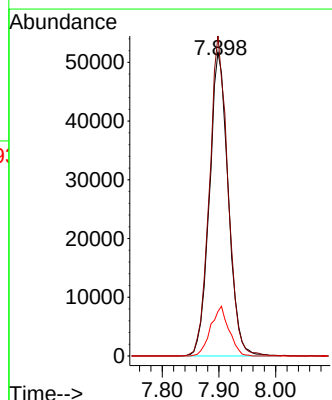
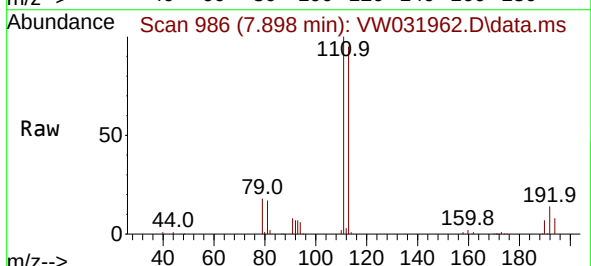
Tgt Ion:113 Resp: 119191

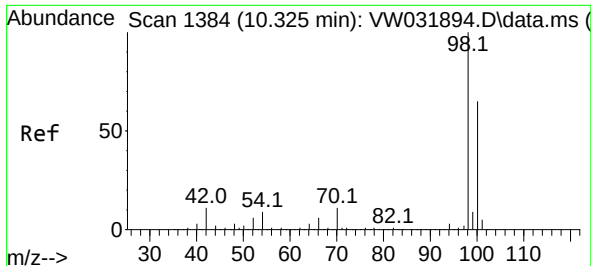
Ion Ratio Lower Upper

113 100

111 103.6 79.9 119.9

192 15.9 12.6 19.0

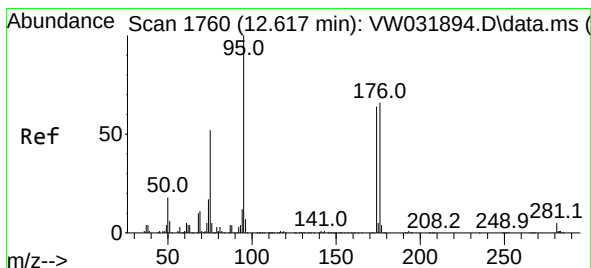
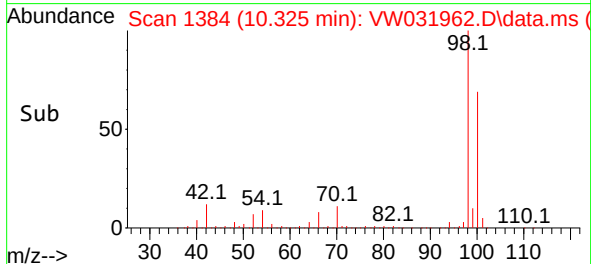
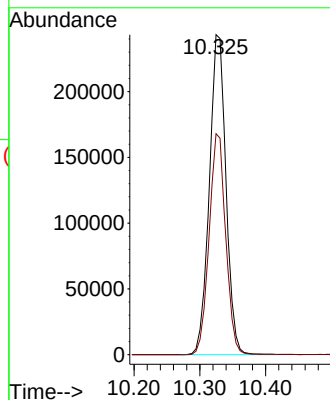
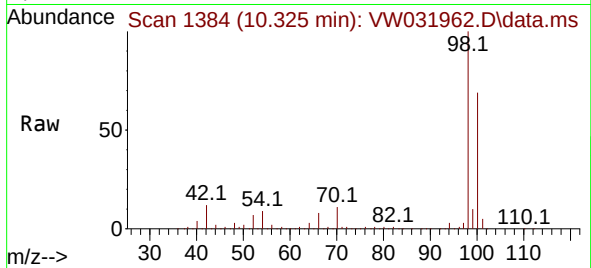




#50  
Toluene-d8  
Concen: 43.059 ug/l  
RT: 10.325 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW031962.D  
Acq: 30 Jul 2025 15:06

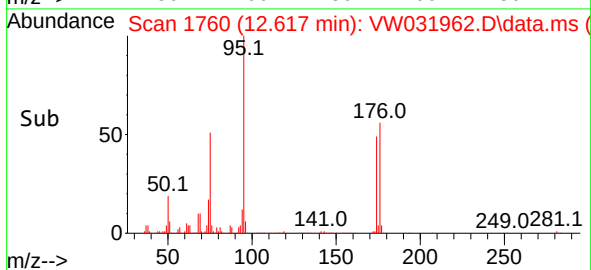
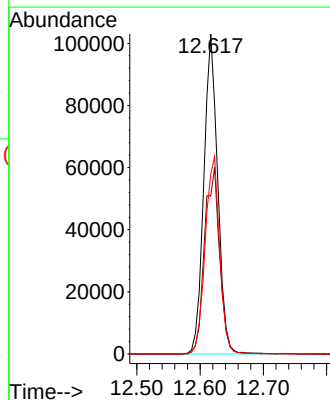
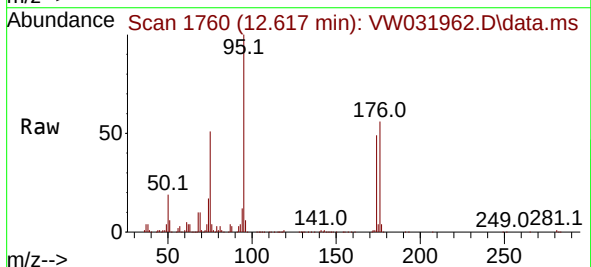
Instrument :  
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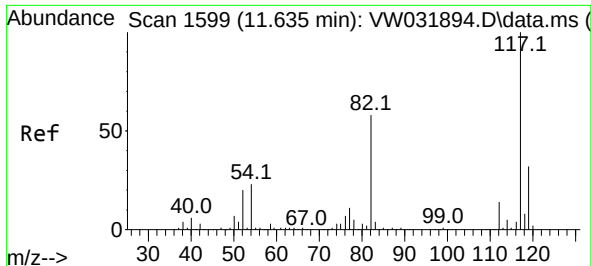
Tgt Ion: 98 Resp: 428575  
Ion Ratio Lower Upper  
98 100  
100 68.7 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 41.345 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. -0.000 min  
Lab File: VW031962.D  
Acq: 30 Jul 2025 15:06

Tgt Ion: 95 Resp: 158012  
Ion Ratio Lower Upper  
95 100  
174 63.3 0.0 129.8  
176 64.1 0.0 130.4

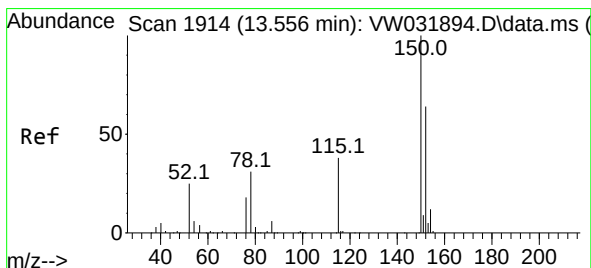
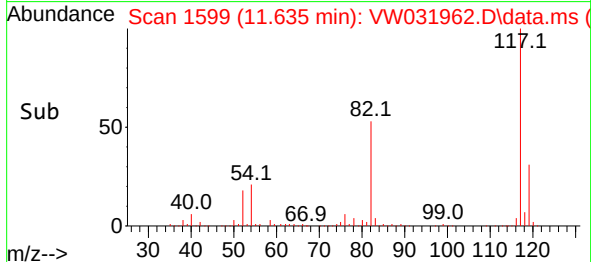
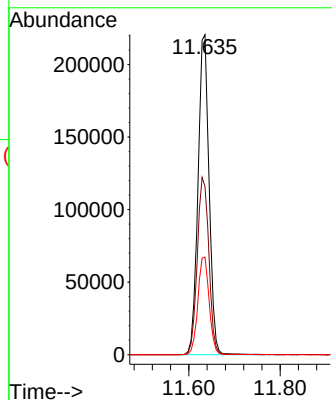
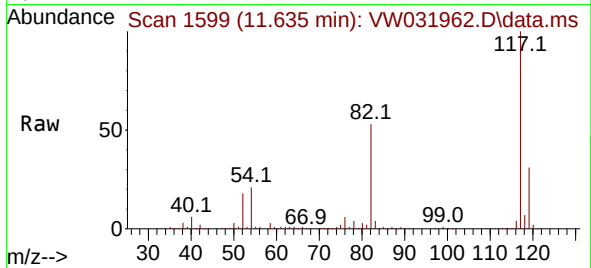




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.635 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW031962.D  
Acq: 30 Jul 2025 15:06

Instrument :  
MSVOA\_W  
ClientSampleId :  
VIBLK

Tgt Ion:117 Resp: 370418  
Ion Ratio Lower Upper  
117 100  
82 52.6 46.5 69.7  
119 30.5 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: VW031962.D  
Acq: 30 Jul 2025 15:06

Tgt Ion:152 Resp: 174427  
Ion Ratio Lower Upper  
152 100  
115 65.9 33.4 100.1  
150 159.9 0.0 352.2

