

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071025\  
 Data File : VW031800.D  
 Acq On : 10 Jul 2025 14:09  
 Operator : SY/MD  
 Sample : Q2529-07  
 Misc : 5.15g/5mL/MSVOA\_W/SOIL/B  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-101

Quant Time: Jul 11 02:20:43 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 01 03:35:17 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.959  | 168  | 173749   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.855  | 114  | 404966   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.635 | 117  | 378578   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.556 | 152  | 177324   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.319  | 65    | 142239   | 57.044   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 63 - 155 | Recovery | =    | 114.080% |
| 35) Dibromofluoromethane    | 7.904  | 113   | 121958   | 46.151   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 70 - 134 | Recovery | =    | 92.300%  |
| 50) Toluene-d8              | 10.331 | 98    | 441924   | 44.938   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 123 | Recovery | =    | 89.880%  |
| 62) 4-Bromofluorobenzene    | 12.617 | 95    | 171005   | 47.253   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 17 - 146 | Recovery | =    | 94.500%  |

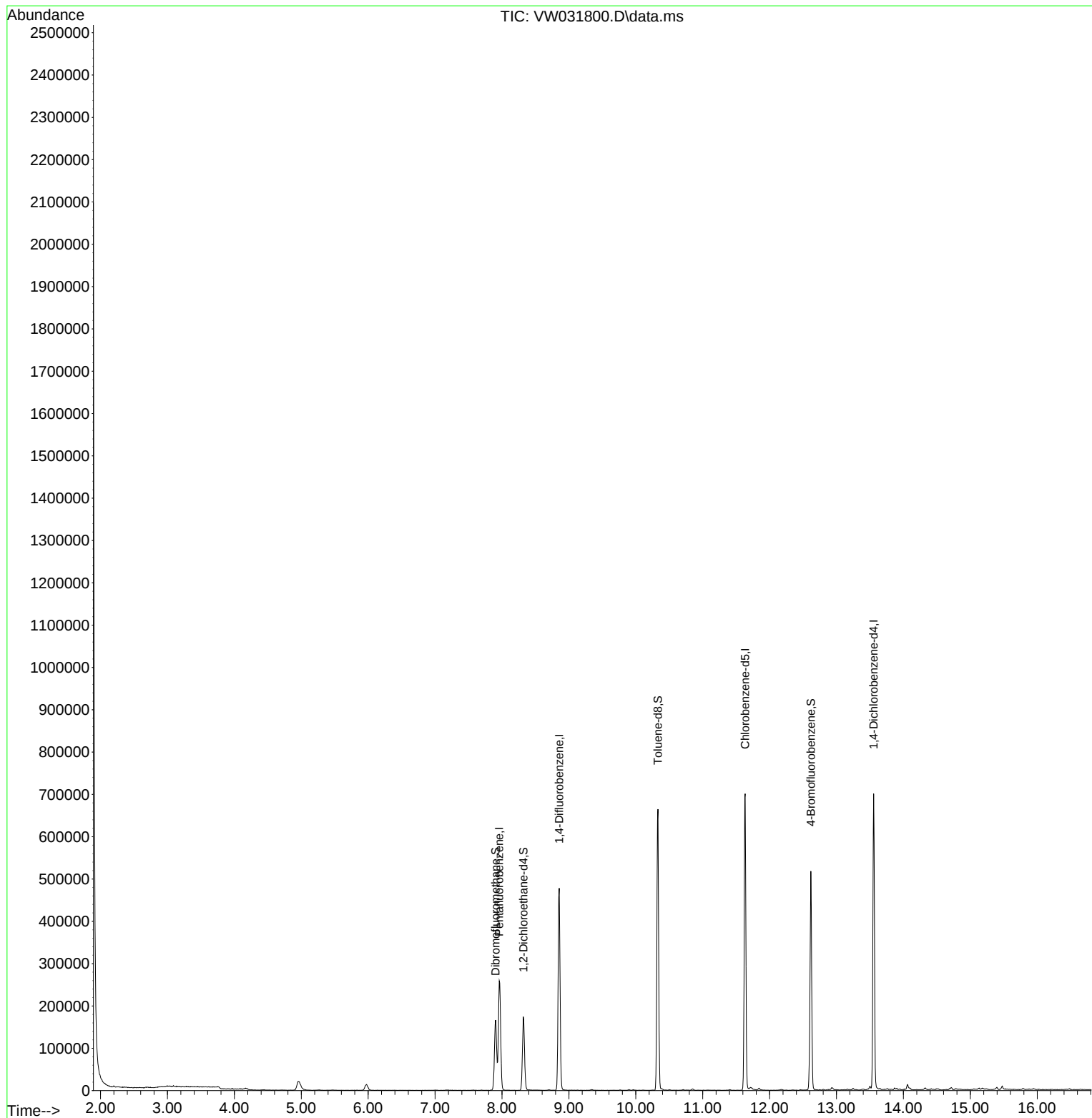
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

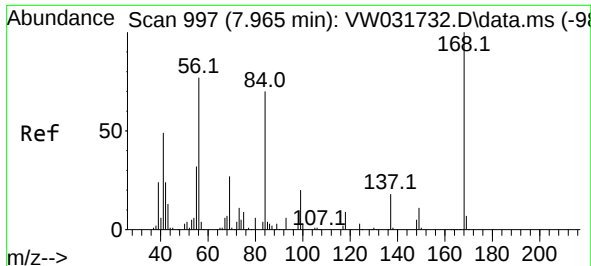
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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ClientSampleId :  
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Quant Time: Jul 11 02:20:43 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 01 03:35:17 2025  
Response via : Initial Calibration

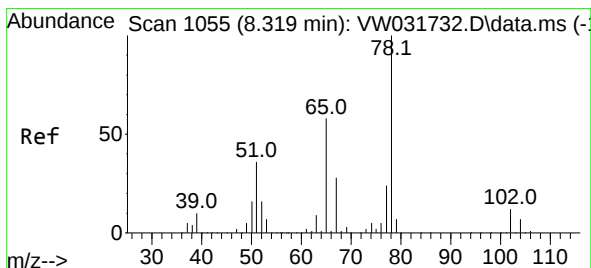
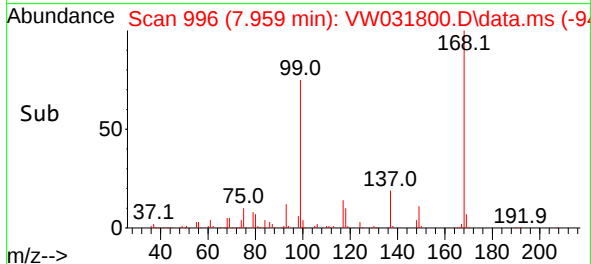
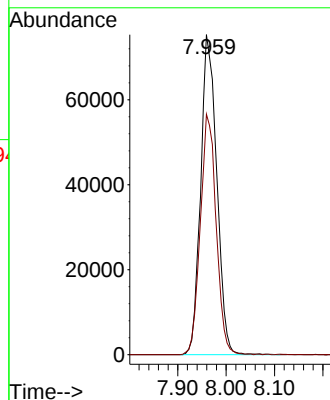
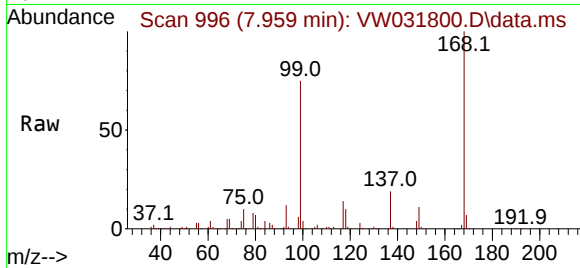




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.959 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: VW031800.D  
Acq: 10 Jul 2025 14:09

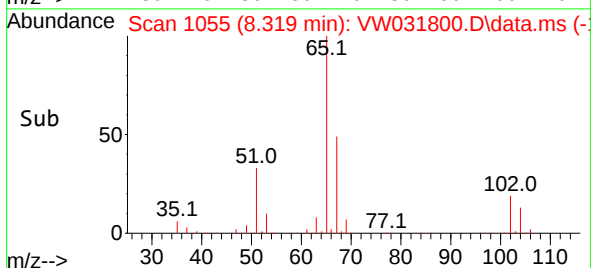
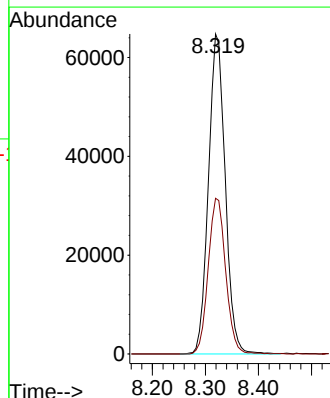
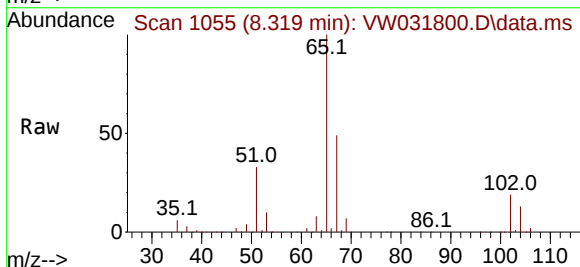
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-101

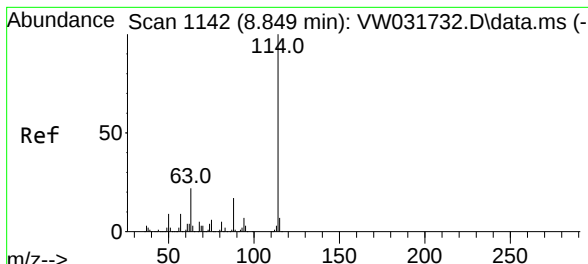
Tgt Ion:168 Resp: 173749  
Ion Ratio Lower Upper  
168 100  
99 75.2 49.4 74.2#



#33  
1,2-Dichloroethane-d4  
Concen: 57.044 ug/l  
RT: 8.319 min Scan# 1055  
Delta R.T. 0.000 min  
Lab File: VW031800.D  
Acq: 10 Jul 2025 14:09

Tgt Ion: 65 Resp: 142239  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 99.4

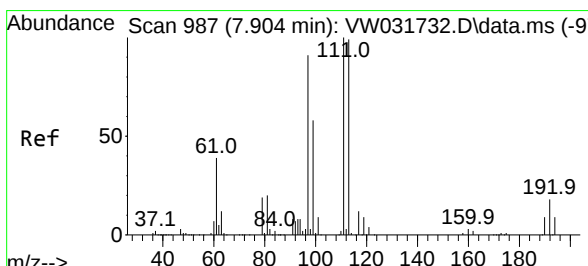
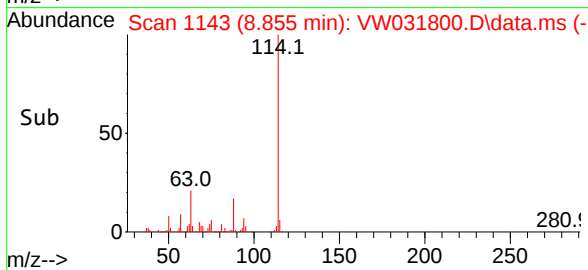
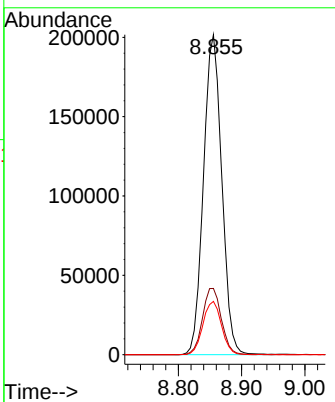
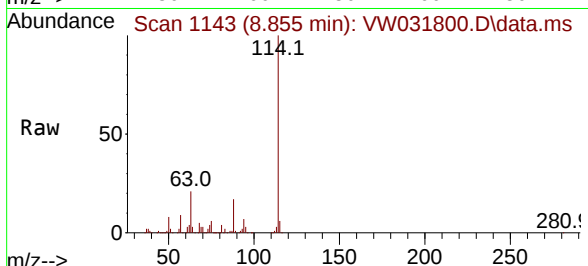




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.855 min Scan# 1143  
 Delta R.T. 0.006 min  
 Lab File: VW031800.D  
 Acq: 10 Jul 2025 14:09

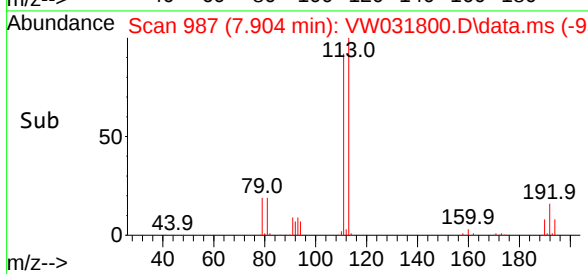
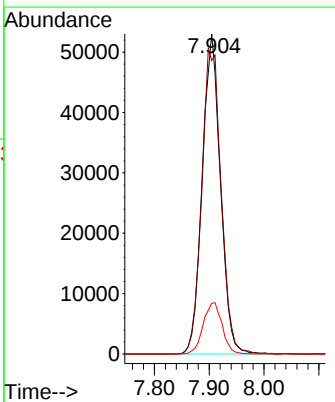
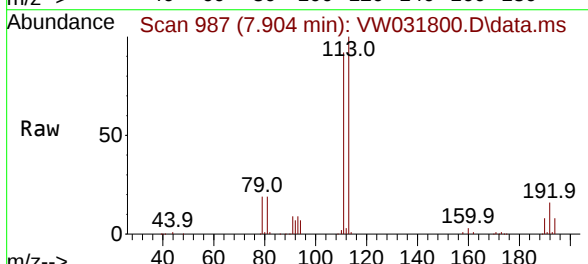
Instrument :  
 MSVOA\_W  
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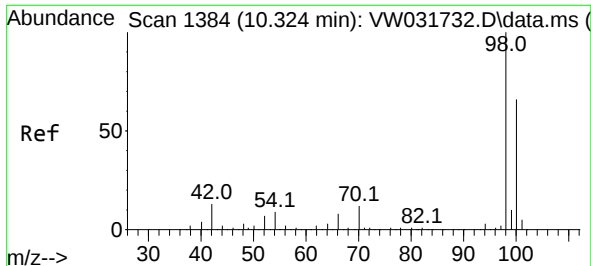
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 404966 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 20.7  | 0.0   | 43.6   |
| 88       | 16.7  | 0.0   | 34.2   |



#35  
 Dibromofluoromethane  
 Concen: 46.151 ug/l  
 RT: 7.904 min Scan# 987  
 Delta R.T. 0.000 min  
 Lab File: VW031800.D  
 Acq: 10 Jul 2025 14:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 121958 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 101.6 | 82.1  | 123.1  |
| 192      | 16.7  | 13.8  | 20.6   |

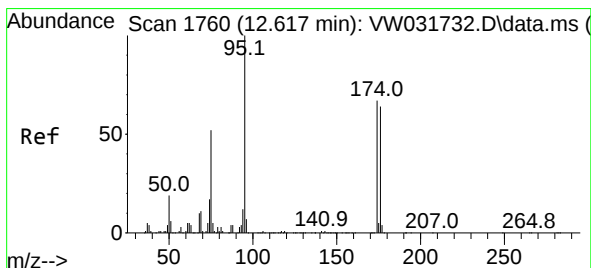
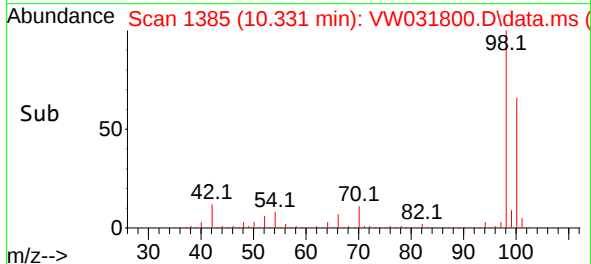
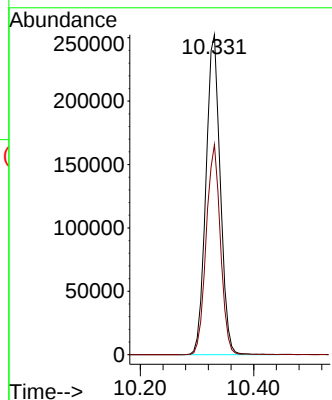
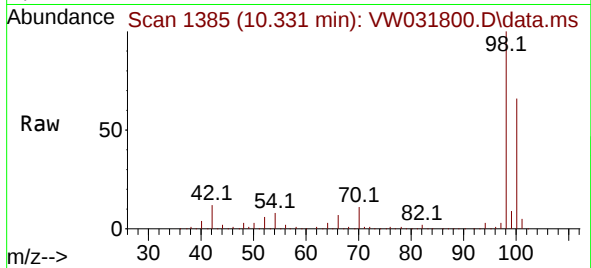




#50  
Toluene-d8  
Concen: 44.938 ug/l  
RT: 10.331 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VW031800.D  
Acq: 10 Jul 2025 14:09

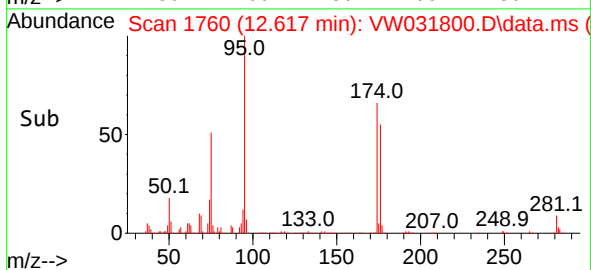
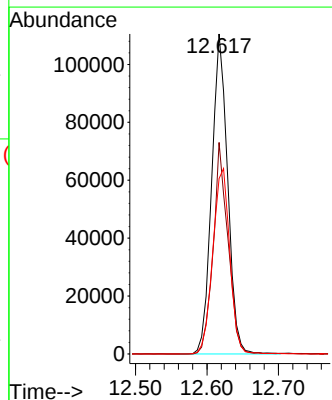
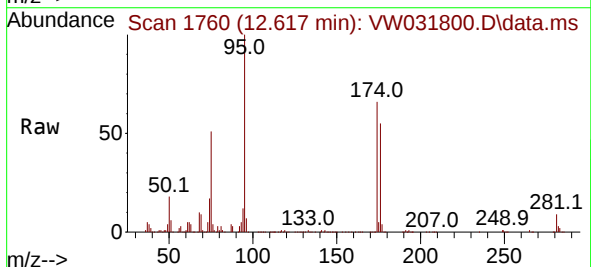
Instrument :  
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TP-101

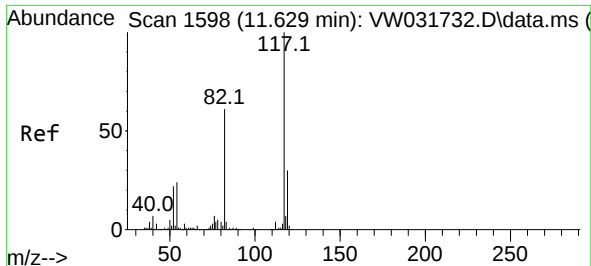
Tgt Ion: 98 Resp: 441924  
Ion Ratio Lower Upper  
98 100  
100 65.2 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 47.253 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. 0.000 min  
Lab File: VW031800.D  
Acq: 10 Jul 2025 14:09

Tgt Ion: 95 Resp: 171005  
Ion Ratio Lower Upper  
95 100  
174 61.3 0.0 133.8  
176 62.1 0.0 126.0

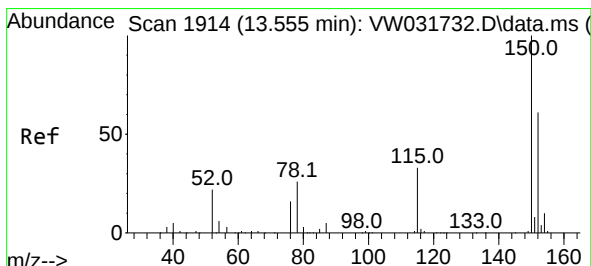
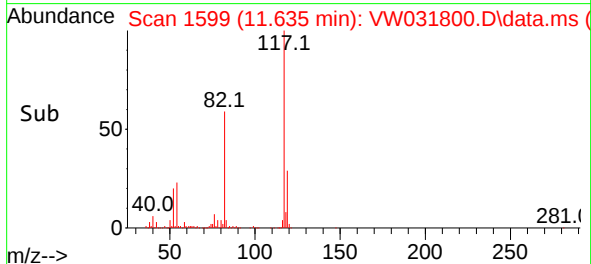
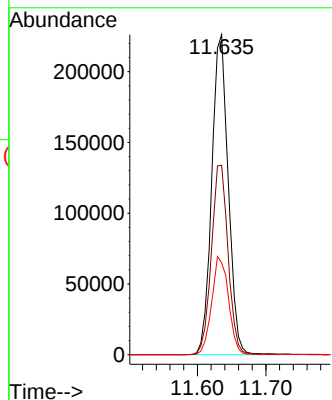
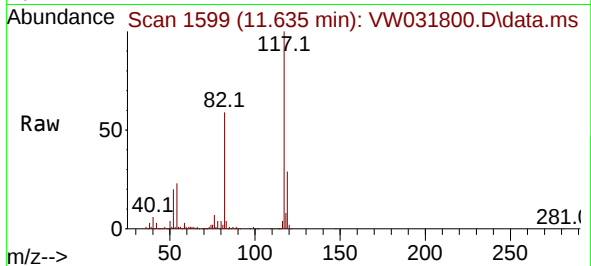




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.635 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW031800.D  
Acq: 10 Jul 2025 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-101

Tgt Ion:117 Resp: 378578  
Ion Ratio Lower Upper  
117 100  
82 59.2 48.6 72.8  
119 28.7 23.9 35.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.556 min Scan# 1914  
Delta R.T. 0.000 min  
Lab File: VW031800.D  
Acq: 10 Jul 2025 14:09

Tgt Ion:152 Resp: 177324  
Ion Ratio Lower Upper  
152 100  
115 64.2 31.9 95.7  
150 149.0 0.0 356.4

