

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071025\  
 Data File : VW031807.D  
 Acq On : 10 Jul 2025 16:42  
 Operator : SY/MD  
 Sample : Q2550-02  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL/A  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VNJ-203

Quant Time: Jul 11 02:23:35 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

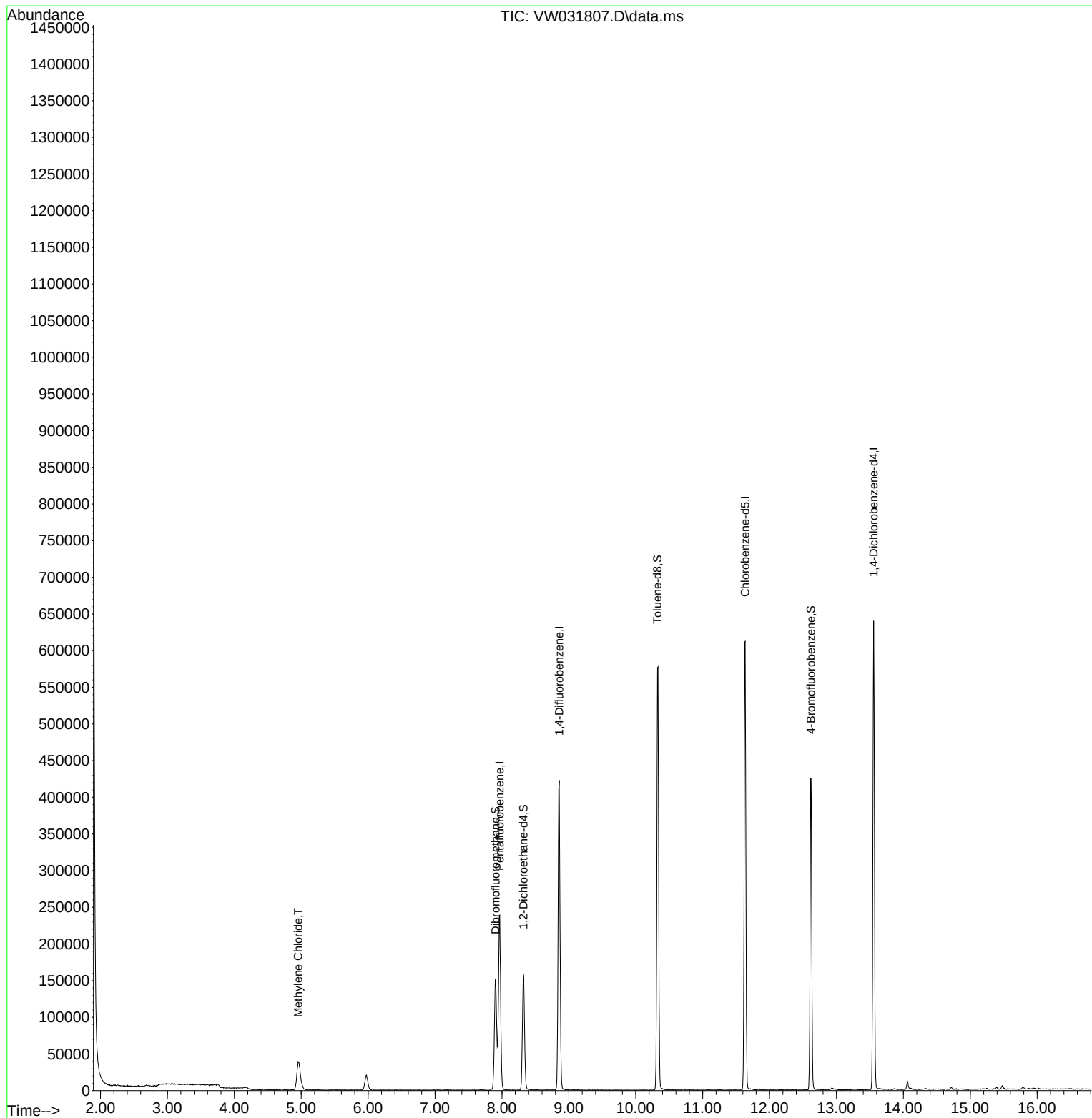
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.965  | 168   | 158963   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.856  | 114   | 356218   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.636 | 117   | 341011   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.556 | 152   | 155320   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.319  | 65    | 130923   | 57.390   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 63 - 155 | Recovery | =     | 114.780%  |
| 35) Dibromofluoromethane    | 7.904  | 113   | 111423   | 47.935   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 70 - 134 | Recovery | =     | 95.860%   |
| 50) Toluene-d8              | 10.325 | 98    | 386863   | 44.722   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 123 | Recovery | =     | 89.440%   |
| 62) 4-Bromofluorobenzene    | 12.617 | 95    | 155445   | 48.831   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 17 - 146 | Recovery | =     | 97.660%   |
| Target Compounds            |        |       |          |          |       |           |
| 20) Methylene Chloride      | 4.954  | 84    | 35730    | 12.364   | ug/l  | Qvalue 98 |
| -----                       |        |       |          |          |       |           |

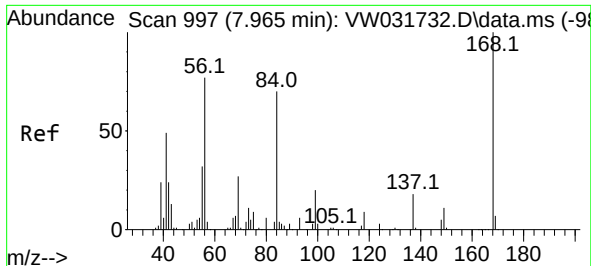
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jul 01 03:35:17 2025  
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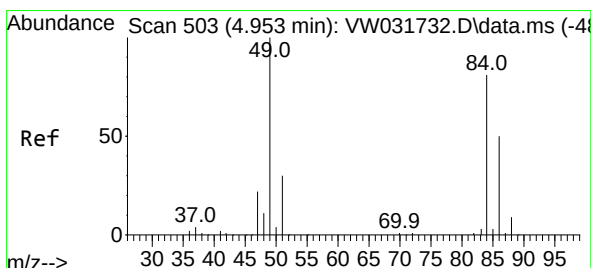
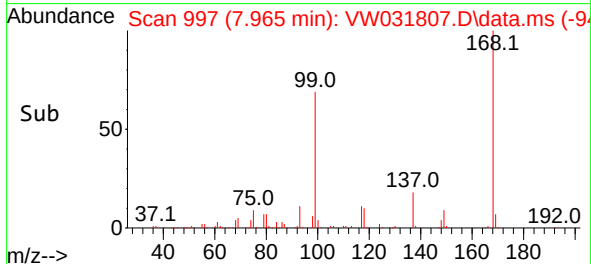
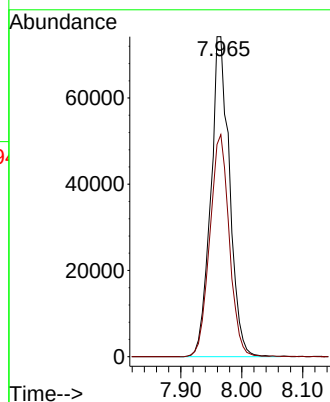
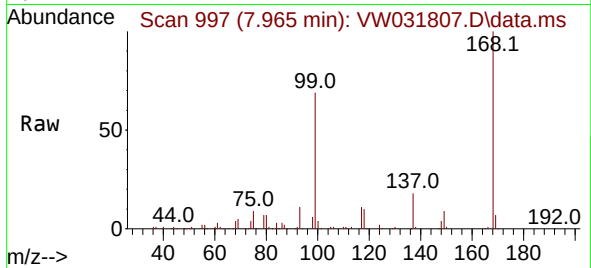




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.965 min Scan# 997  
Delta R.T. 0.000 min  
Lab File: VW031807.D  
Acq: 10 Jul 2025 16:42

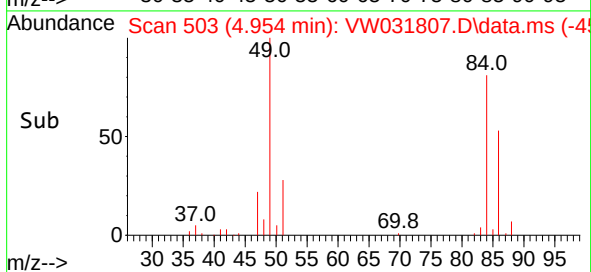
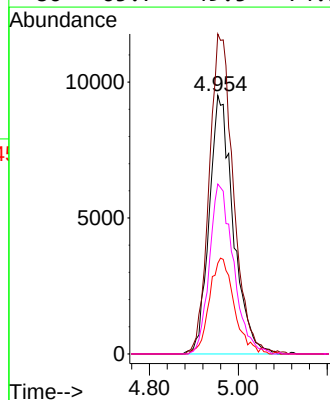
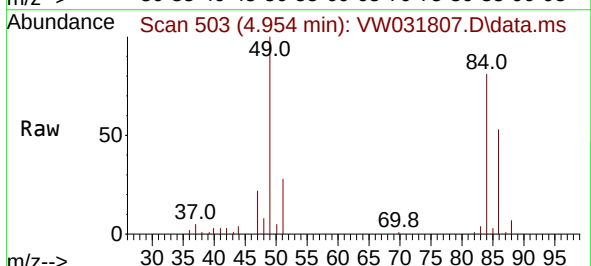
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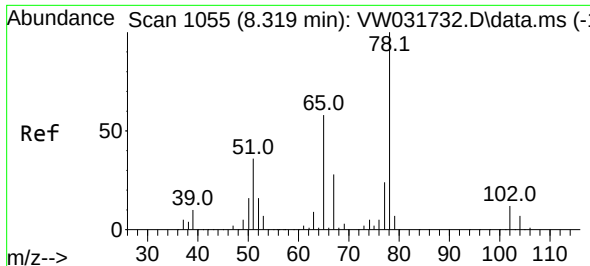
Tgt Ion:168 Resp: 158963  
Ion Ratio Lower Upper  
168 100  
99 69.4 49.4 74.2



#20  
Methylene Chloride  
Concen: 12.364 ug/l  
RT: 4.954 min Scan# 503  
Delta R.T. 0.000 min  
Lab File: VW031807.D  
Acq: 10 Jul 2025 16:42

Tgt Ion: 84 Resp: 35730  
Ion Ratio Lower Upper  
84 100  
49 123.8 98.2 147.4  
51 35.1 29.8 44.8  
86 65.7 49.5 74.3

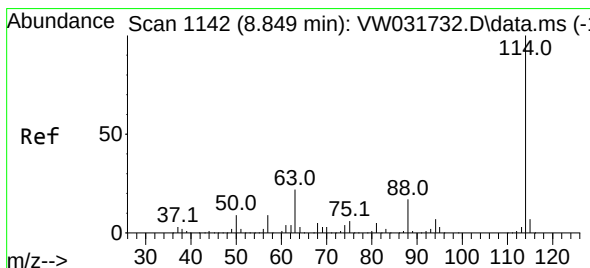
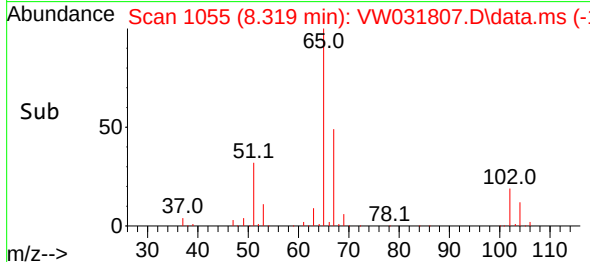
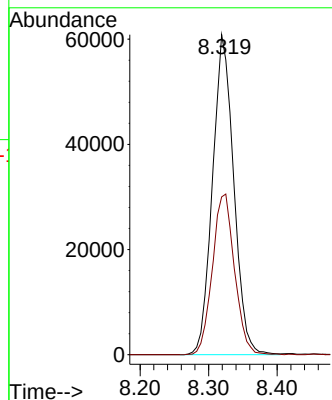
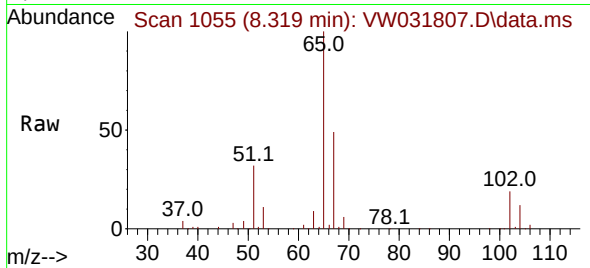




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.390 ug/l  
 RT: 8.319 min Scan# 1055  
 Delta R.T. 0.000 min  
 Lab File: VW031807.D  
 Acq: 10 Jul 2025 16:42

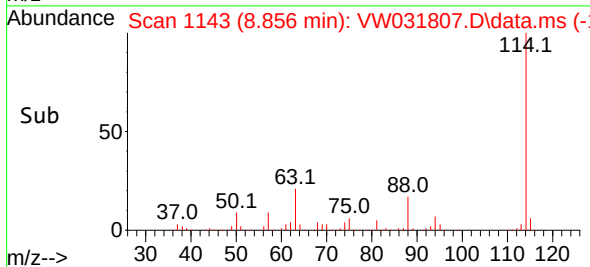
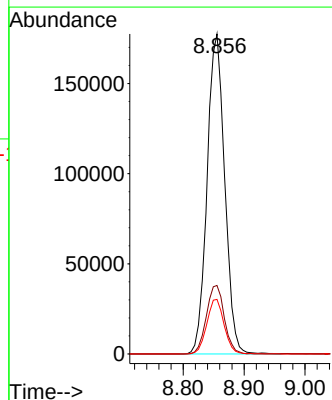
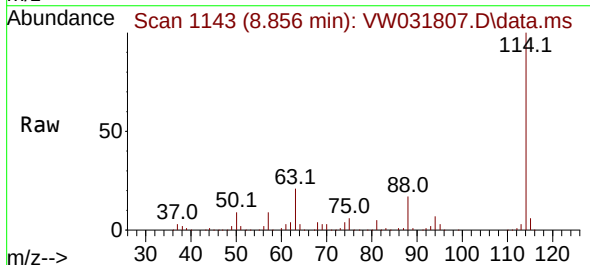
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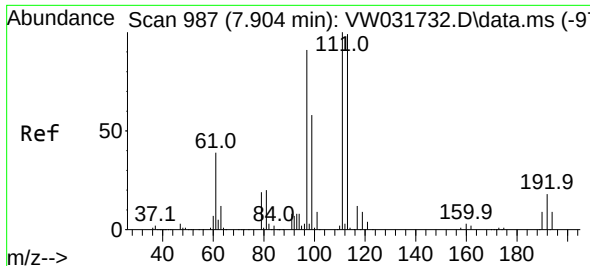
Tgt Ion: 65 Resp: 130923  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 99.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.856 min Scan# 1143  
 Delta R.T. 0.006 min  
 Lab File: VW031807.D  
 Acq: 10 Jul 2025 16:42

Tgt Ion: 114 Resp: 356218  
 Ion Ratio Lower Upper  
 114 100  
 63 21.4 0.0 43.6  
 88 17.1 0.0 34.2

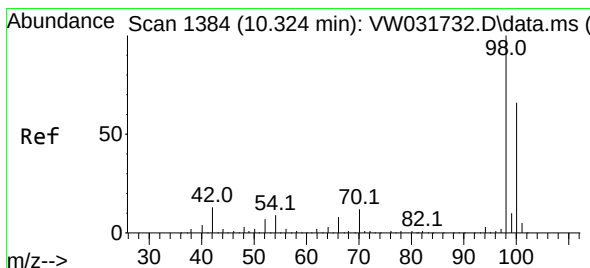
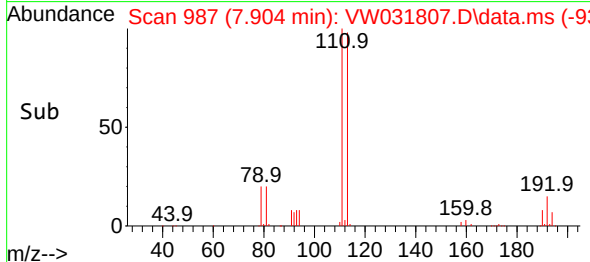
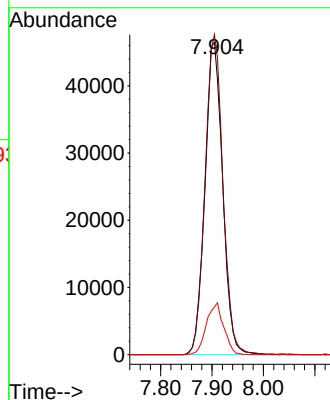
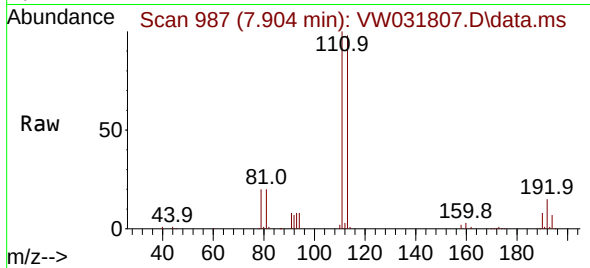




#35  
Dibromofluoromethane  
Concen: 47.935 ug/l  
RT: 7.904 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VW031807.D  
Acq: 10 Jul 2025 16:42

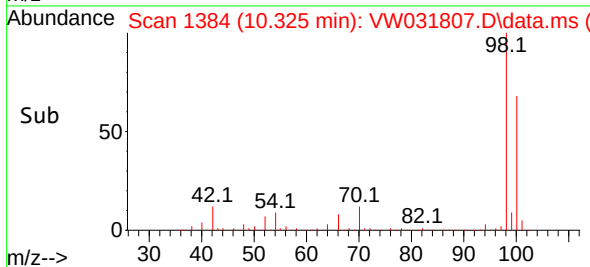
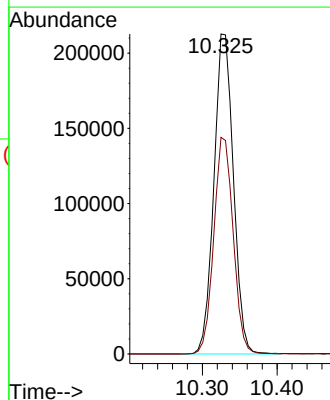
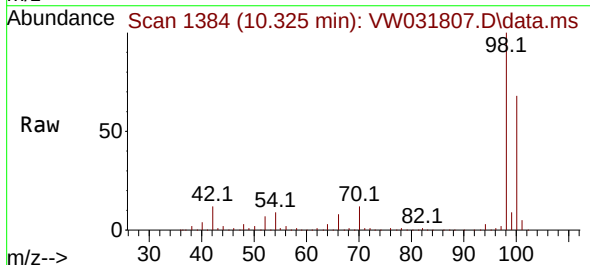
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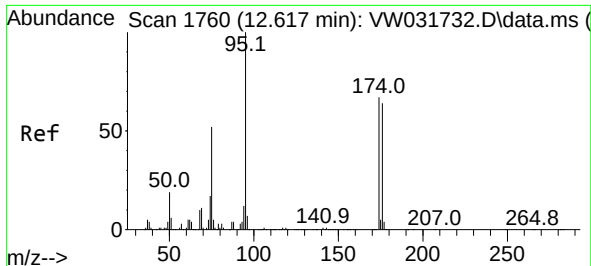
Tgt Ion:113 Resp: 111423  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.1 123.1  
192 16.2 13.8 20.6



#50  
Toluene-d8  
Concen: 44.722 ug/l  
RT: 10.325 min Scan# 1384  
Delta R.T. 0.000 min  
Lab File: VW031807.D  
Acq: 10 Jul 2025 16:42

Tgt Ion: 98 Resp: 386863  
Ion Ratio Lower Upper  
98 100  
100 67.3 53.0 79.4

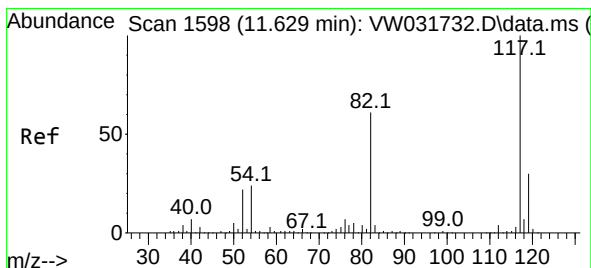
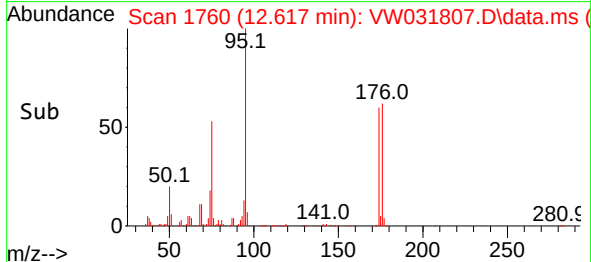
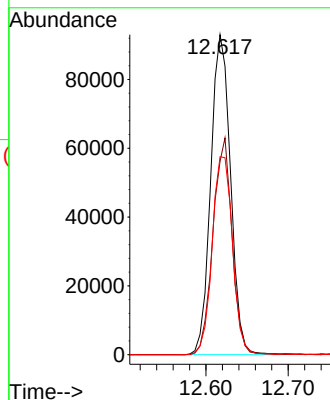
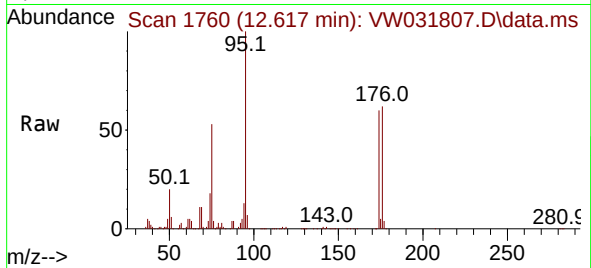




#62  
4-Bromofluorobenzene  
Concen: 48.831 ug/l  
RT: 12.617 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW031807.D  
Acq: 10 Jul 2025 16:42

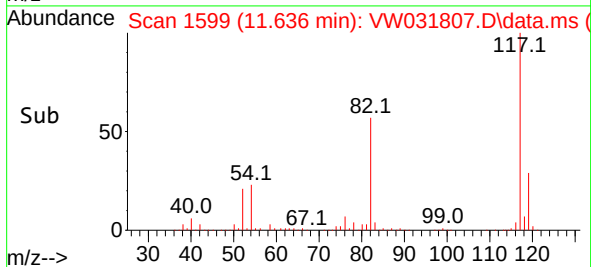
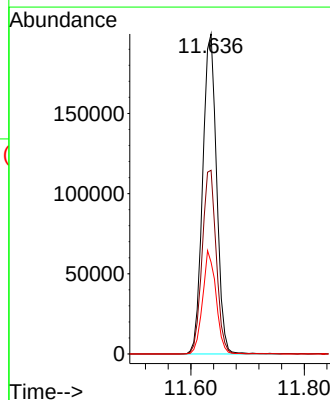
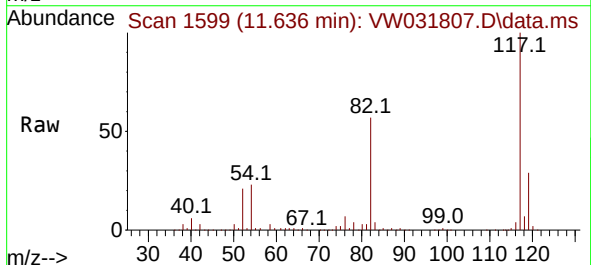
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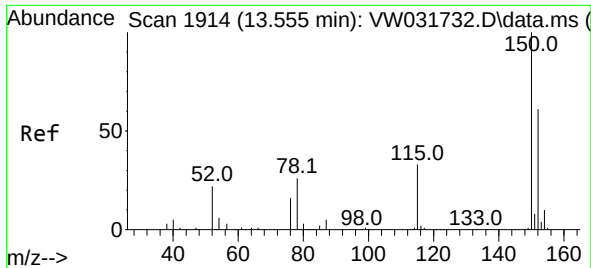
Tgt Ion: 95 Resp: 155445  
Ion Ratio Lower Upper  
95 100  
174 65.3 0.0 133.8  
176 63.6 0.0 126.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.636 min Scan# 1599  
Delta R.T. 0.007 min  
Lab File: VW031807.D  
Acq: 10 Jul 2025 16:42

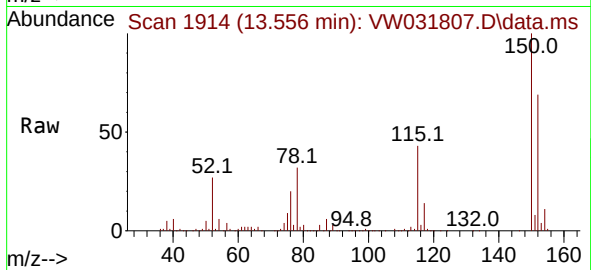
Tgt Ion: 117 Resp: 341011  
Ion Ratio Lower Upper  
117 100  
82 57.4 48.6 72.8  
119 28.7 23.9 35.9





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.556 min Scan# 1914  
Delta R.T. 0.000 min  
Lab File: VW031807.D  
Acq: 10 Jul 2025 16:42

Instrument :  
MSVOA\_W  
ClientSampleId :  
VNJ-203



Tgt Ion:152 Resp: 155320  
Ion Ratio Lower Upper  
152 100  
115 66.3 31.9 95.7  
150 159.1 0.0 356.4

