

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW091925\  
 Data File : VW032208.D  
 Acq On : 19 Sep 2025 11:40  
 Operator : SY/MD  
 Sample : Q3137-01  
 Misc : 5.09g/5mL/MSVOA\_W/SOIL/A  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 OR-02-09182025

Quant Time: Sep 19 23:06:34 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W082625S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 27 04:13:40 2025  
 Response via : Initial Calibration

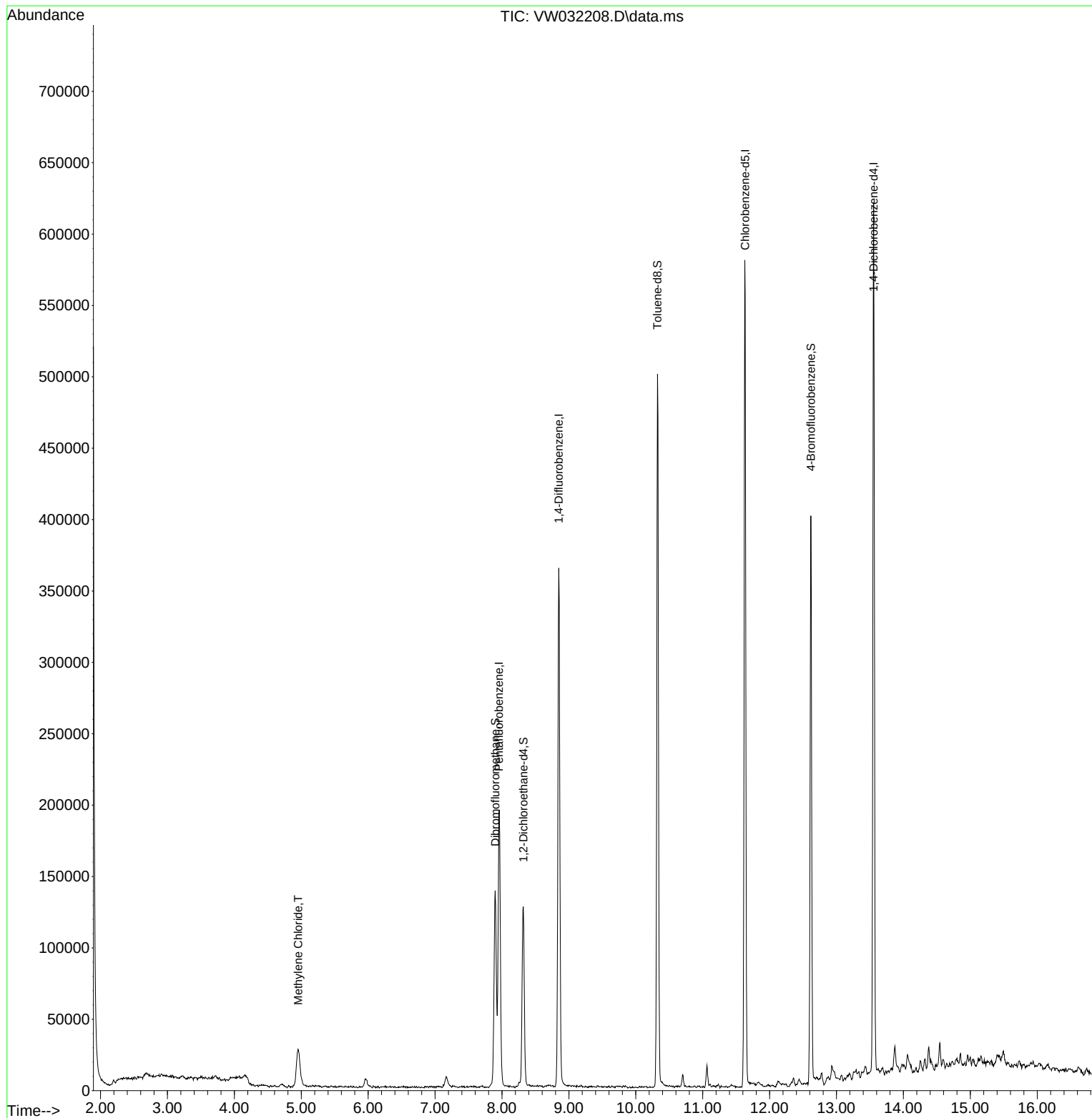
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.953  | 168   | 135078   | 50.000   | ug/l  | -0.01     |
| 34) 1,4-Difluorobenzene     | 8.849  | 114   | 298289   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.635 | 117   | 305393   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.556 | 152   | 153050   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.319  | 65    | 107055   | 55.417   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 63 - 155 | Recovery | =     | 110.840%  |
| 35) Dibromofluoromethane    | 7.898  | 113   | 100204   | 47.881   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 70 - 134 | Recovery | =     | 95.760%   |
| 50) Toluene-d8              | 10.324 | 98    | 318524   | 43.356   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 123 | Recovery | =     | 86.720%   |
| 62) 4-Bromofluorobenzene    | 12.617 | 95    | 122718   | 45.172   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 17 - 146 | Recovery | =     | 90.340%   |
| Target Compounds            |        |       |          |          |       |           |
| 20) Methylene Chloride      | 4.953  | 84    | 25779    | 11.905   | ug/l  | Qvalue 99 |
| -----                       |        |       |          |          |       |           |

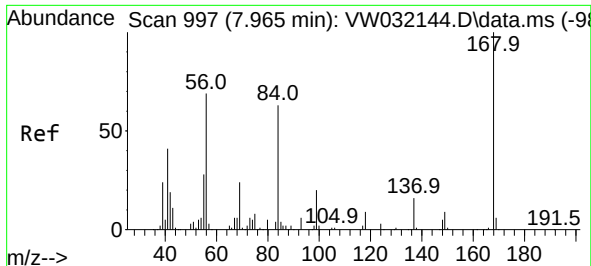
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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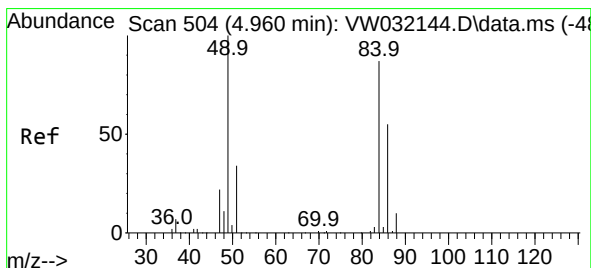
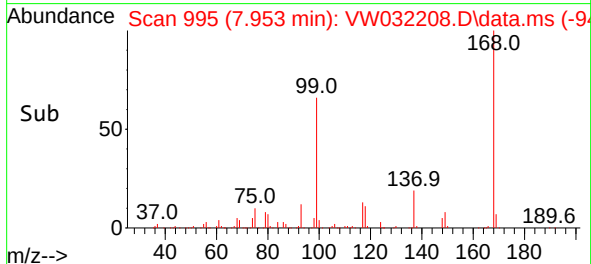
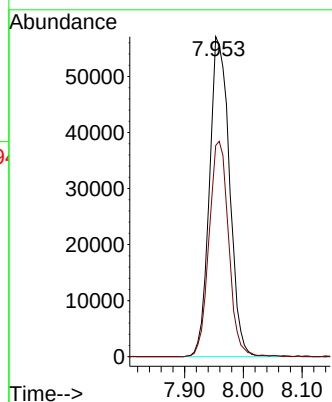
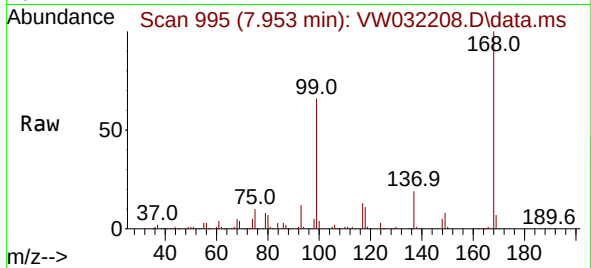




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.953 min Scan# 99  
Delta R.T. -0.012 min  
Lab File: VW032208.D  
Acq: 19 Sep 2025 11:40

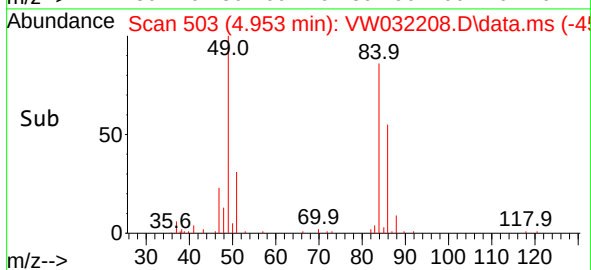
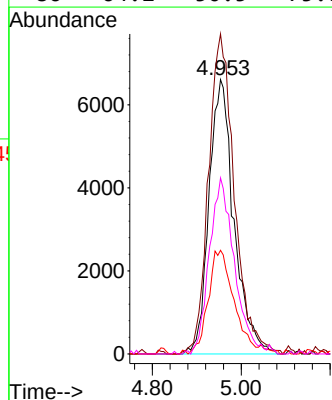
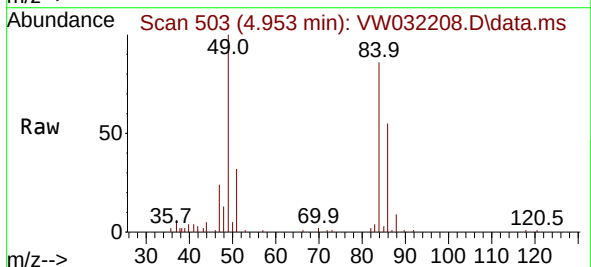
Instrument :  
MSVOA\_W  
ClientSampleId :  
OR-02-09182025

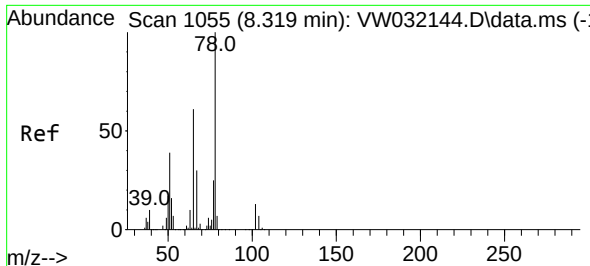
Tgt Ion:168 Resp: 135078  
Ion Ratio Lower Upper  
168 100  
99 66.0 49.3 73.9



#20  
Methylene Chloride  
Concen: 11.905 ug/l  
RT: 4.953 min Scan# 503  
Delta R.T. -0.007 min  
Lab File: VW032208.D  
Acq: 19 Sep 2025 11:40

Tgt Ion: 84 Resp: 25779  
Ion Ratio Lower Upper  
84 100  
49 115.7 92.2 138.4  
51 37.8 31.0 46.6  
86 64.2 50.5 75.7





#33

1,2-Dichloroethane-d4

Concen: 55.417 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032208.D

Acq: 19 Sep 2025 11:40

Instrument :

MSVOA\_W

ClientSampleId :

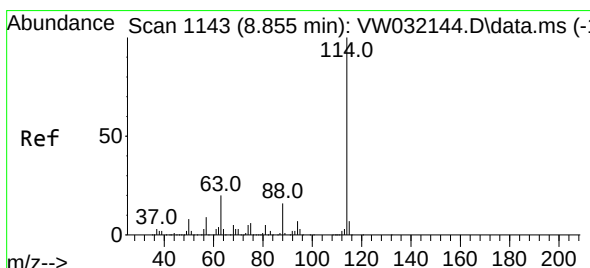
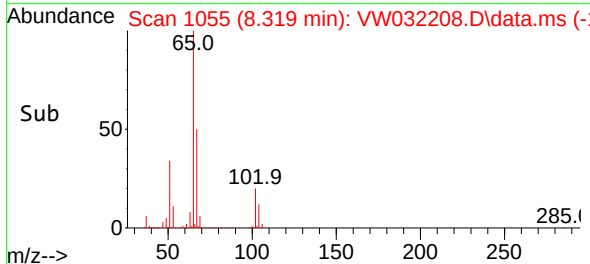
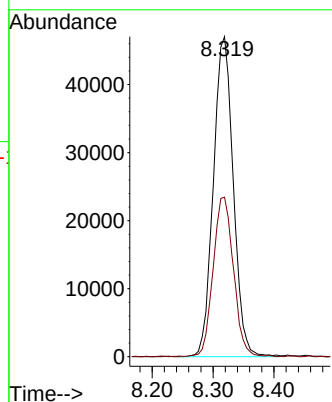
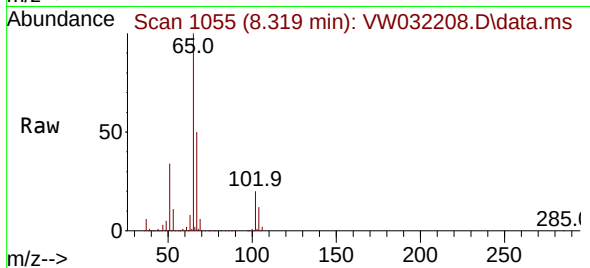
OR-02-09182025

Tgt Ion: 65 Resp: 107055

Ion Ratio Lower Upper

65 100

67 50.9 0.0 99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VW032208.D

Acq: 19 Sep 2025 11:40

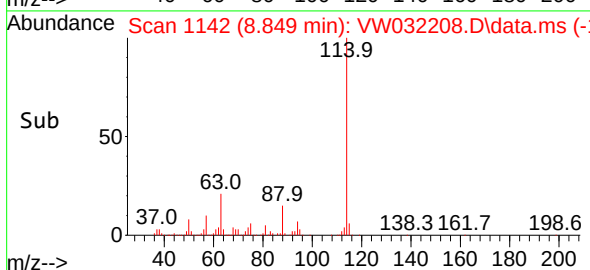
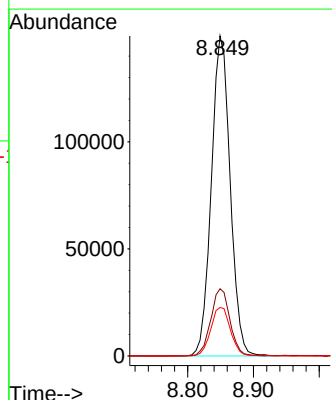
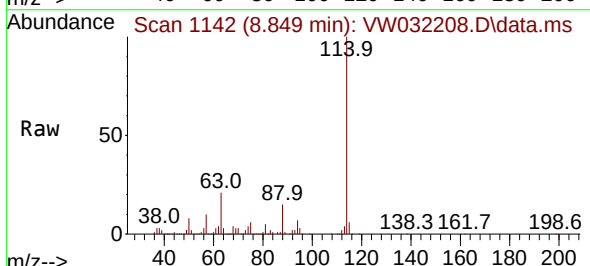
Tgt Ion: 114 Resp: 298289

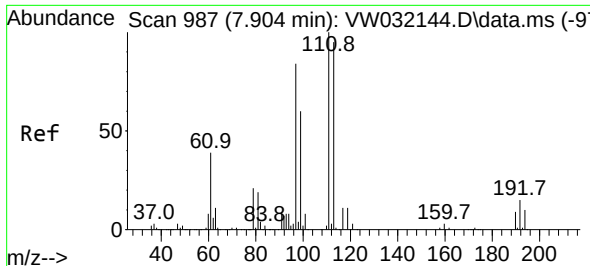
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.4

88 15.2 0.0 32.0

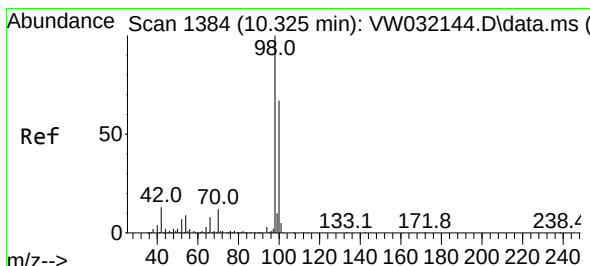
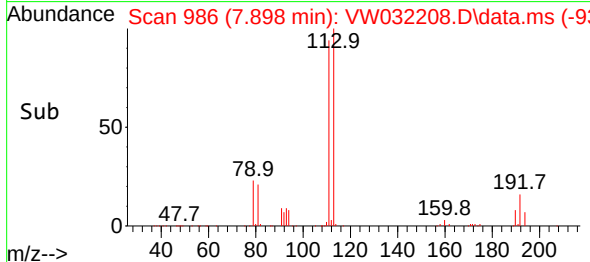
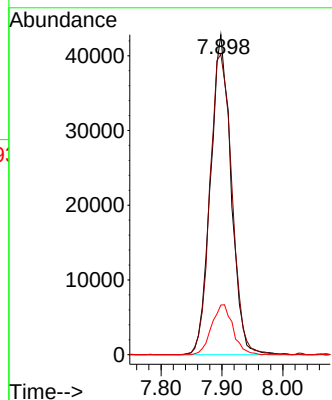
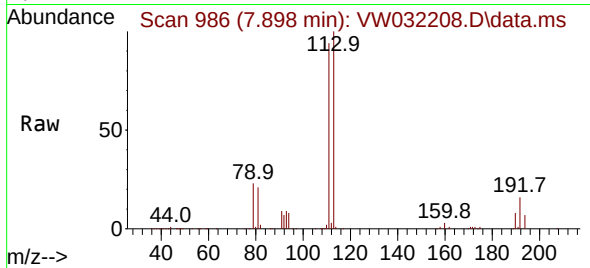




#35  
 Dibromofluoromethane  
 Concen: 47.881 ug/l  
 RT: 7.898 min Scan# 91  
 Delta R.T. -0.006 min  
 Lab File: VW032208.D  
 Acq: 19 Sep 2025 11:40

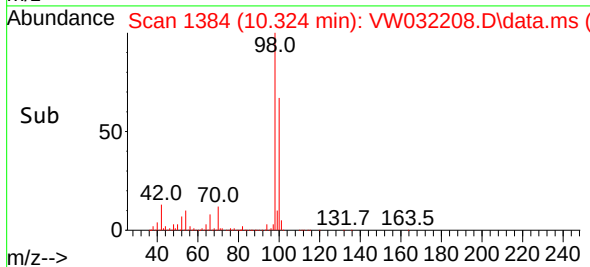
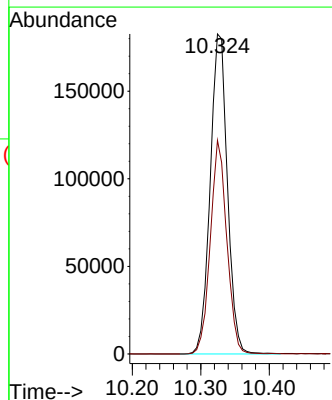
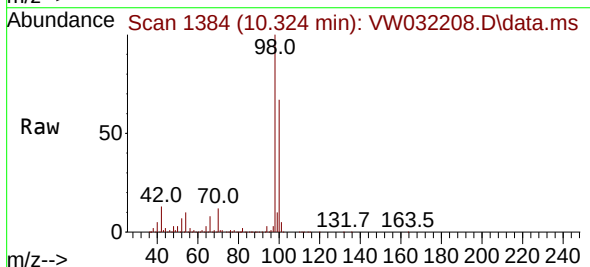
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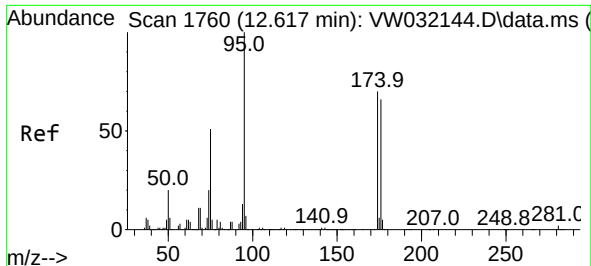
Tgt Ion:113 Resp: 100204  
 Ion Ratio Lower Upper  
 113 100  
 111 100.7 83.9 125.9  
 192 16.2 14.6 21.8



#50  
 Toluene-d8  
 Concen: 43.356 ug/l  
 RT: 10.324 min Scan# 1384  
 Delta R.T. -0.000 min  
 Lab File: VW032208.D  
 Acq: 19 Sep 2025 11:40

Tgt Ion: 98 Resp: 318524  
 Ion Ratio Lower Upper  
 98 100  
 100 64.0 51.4 77.2

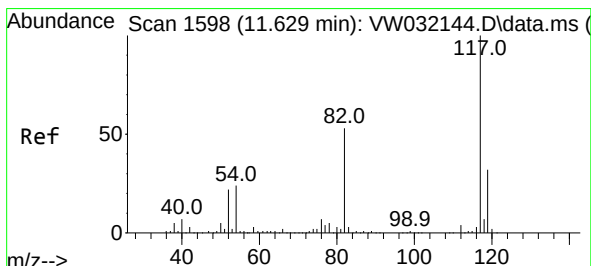
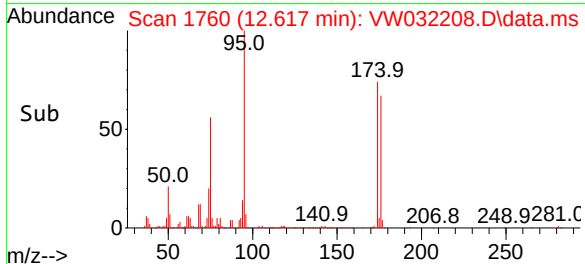
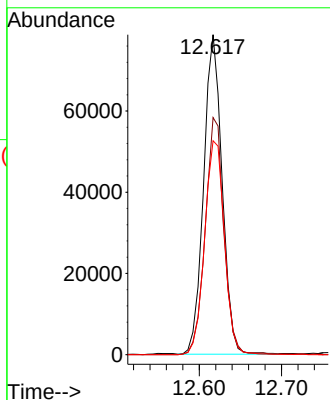
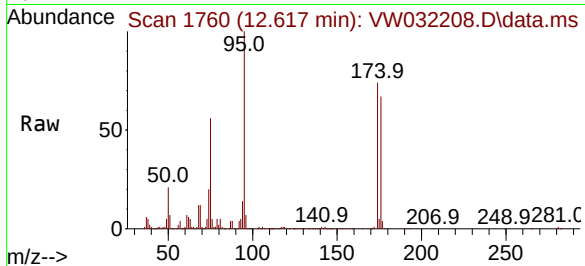




#62  
4-Bromofluorobenzene  
Concen: 45.172 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. -0.000 min  
Lab File: VW032208.D  
Acq: 19 Sep 2025 11:40

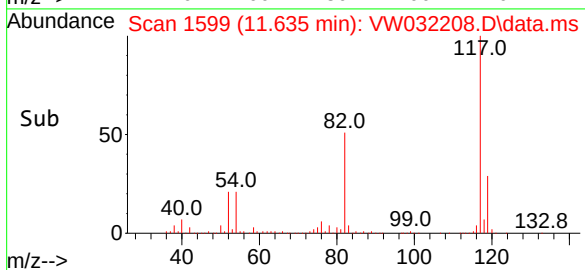
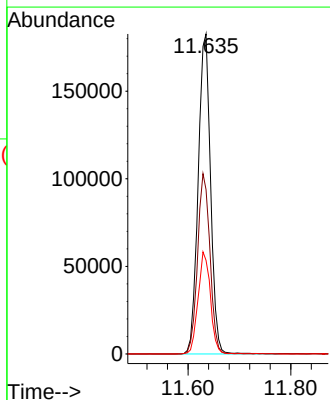
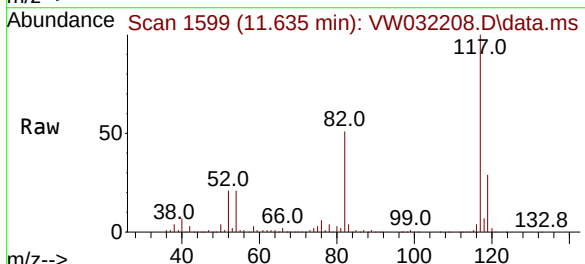
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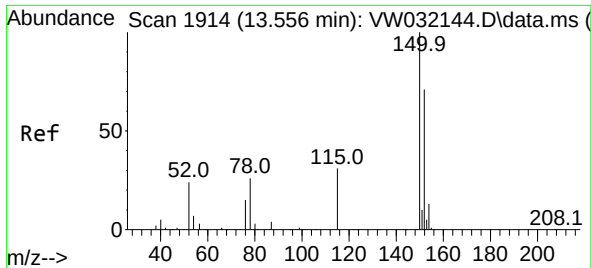
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 95    | Resp: | 122718 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 75.2  | 0.0   | 145.6  |
| 176       | 72.0  | 0.0   | 140.8  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.635 min Scan# 1599  
Delta R.T. 0.006 min  
Lab File: VW032208.D  
Acq: 19 Sep 2025 11:40

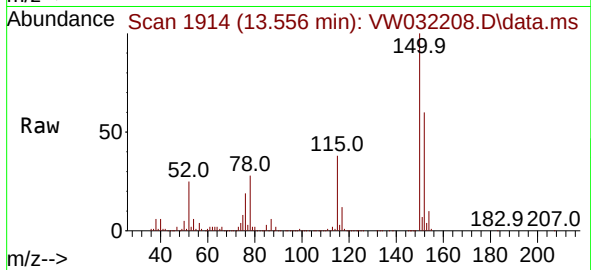
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 305393 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 51.3  | 42.7  | 64.1   |
| 119       | 29.2  | 25.2  | 37.8   |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.556 min Scan# 1914  
 Delta R.T. -0.000 min  
 Lab File: VW032208.D  
 Acq: 19 Sep 2025 11:40

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 OR-02-09182025



Tgt Ion:152 Resp: 153050  
 Ion Ratio Lower Upper  
 152 100  
 115 61.0 31.8 95.4  
 150 155.7 0.0 343.0

