

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110625\  
 Data File : VN088204.D  
 Acq On : 06 Nov 2025 14:29  
 Operator : JC\MD  
 Sample : Q3537-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-17-SOIL

Quant Time: Nov 07 02:19:25 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 03 01:16:06 2025  
 Response via : Initial Calibration

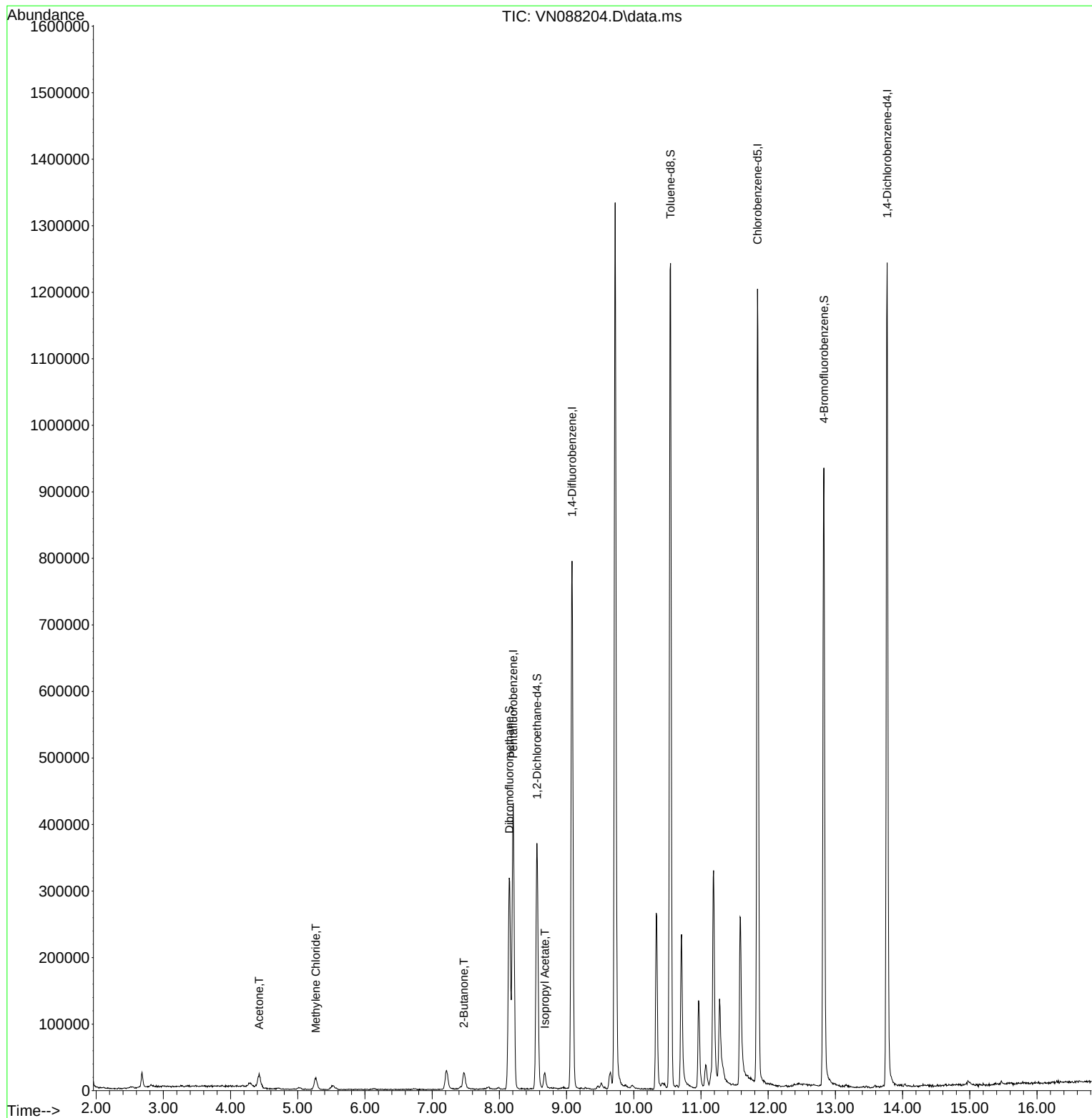
| Compound                    | R.T. QIon |                | Response | Conc     | Units       | Dev(Min) |
|-----------------------------|-----------|----------------|----------|----------|-------------|----------|
| -----                       |           |                |          |          |             |          |
| Internal Standards          |           |                |          |          |             |          |
| 1) Pentafluorobenzene       | 8.206     | 168            | 282717   | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.082     | 114            | 663418   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 11.841    | 117            | 645443   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.770    | 152            | 328310   | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds |           |                |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.559     | 65             | 309078   | 63.222   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range 74 - 125 |          | Recovery | = 126.440%# |          |
| 35) Dibromofluoromethane    | 8.147     | 113            | 226242   | 50.762   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range 75 - 124 |          | Recovery | = 101.520%  |          |
| 50) Toluene-d8              | 10.547    | 98             | 844931   | 49.201   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range 86 - 113 |          | Recovery | = 98.400%   |          |
| 62) 4-Bromofluorobenzene    | 12.829    | 95             | 346067   | 57.061   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range 77 - 121 |          | Recovery | = 114.120%  |          |
| Target Compounds            |           |                |          |          |             |          |
|                             |           |                |          |          | Qvalue      |          |
| 16) Acetone                 | 4.424     | 43             | 38449    | 15.655   | ug/l        | 91       |
| 20) Methylene Chloride      | 5.271     | 84             | 12619    | 3.061    | ug/l        | 91       |
| 25) 2-Butanone              | 7.471     | 43             | 46784    | 14.454   | ug/l        | 99       |
| 43) Isopropyl Acetate       | 8.677     | 43             | 30379    | 2.354    | ug/l #      | 91       |
| -----                       |           |                |          |          |             |          |

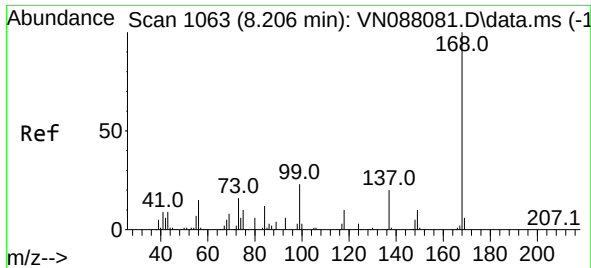
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Nov 03 01:16:06 2025  
Response via : Initial Calibration

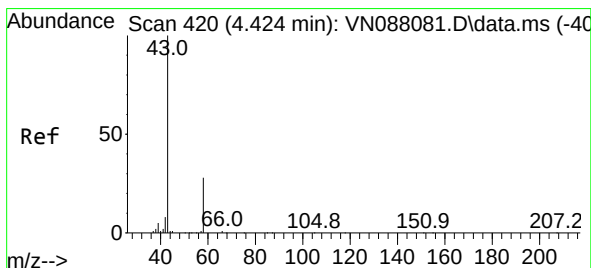
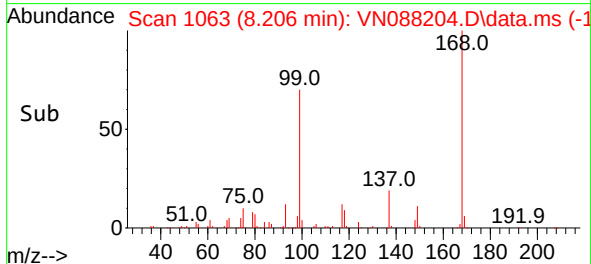
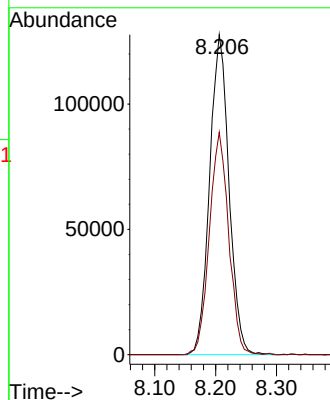
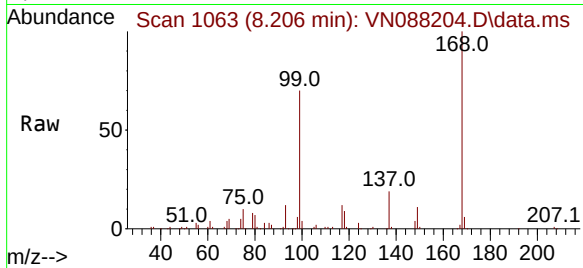




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. -0.000 min  
Lab File: VN088204.D  
Acq: 06 Nov 2025 14:29

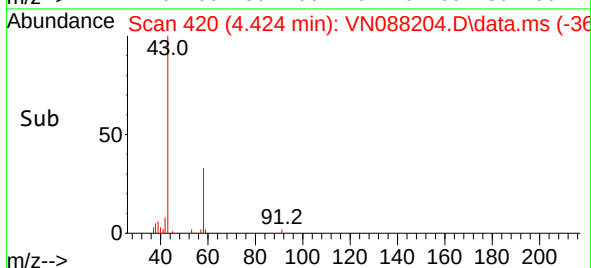
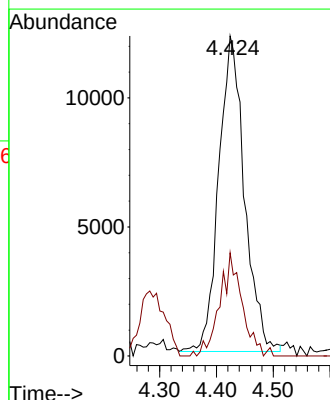
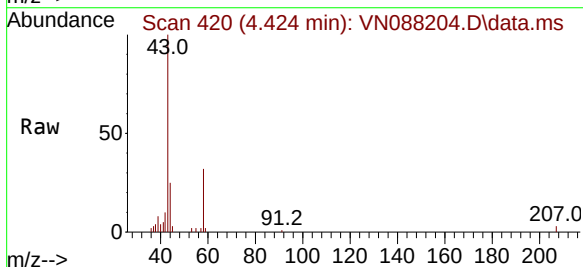
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-17-SOIL

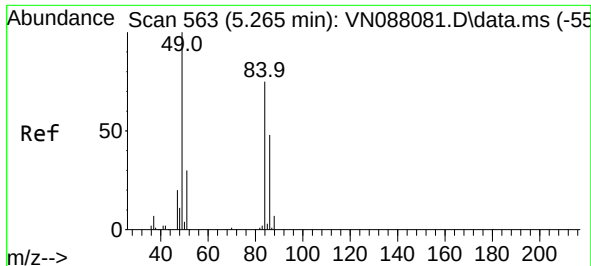
Tgt Ion:168 Resp: 282717  
Ion Ratio Lower Upper  
168 100  
99 69.5 57.2 85.8



#16  
Acetone  
Concen: 15.655 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. -0.000 min  
Lab File: VN088204.D  
Acq: 06 Nov 2025 14:29

Tgt Ion: 43 Resp: 38449  
Ion Ratio Lower Upper  
43 100  
58 32.7 22.6 33.8

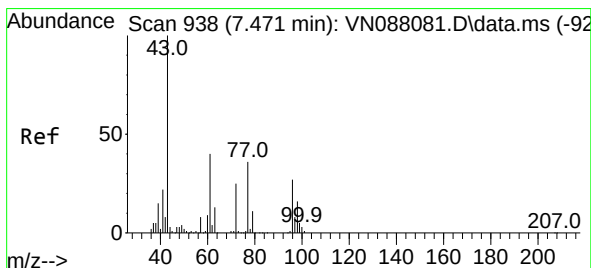
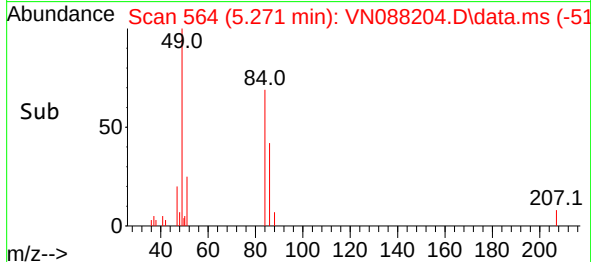
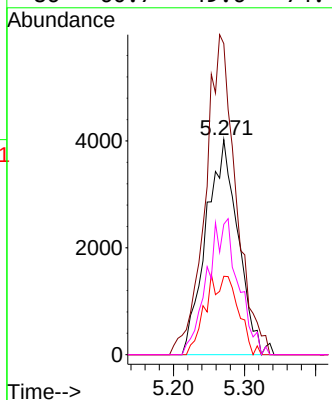
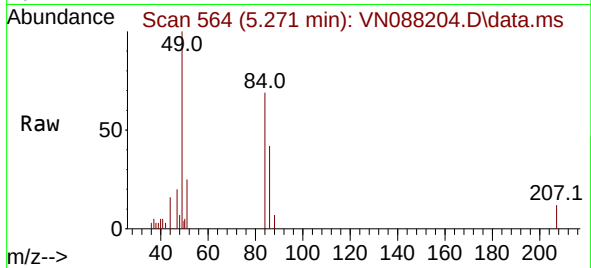




#20  
Methylene Chloride  
Concen: 3.061 ug/l  
RT: 5.271 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: VN088204.D  
Acq: 06 Nov 2025 14:29

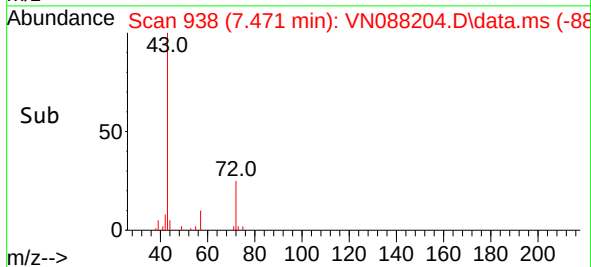
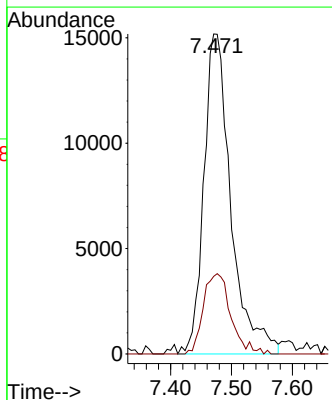
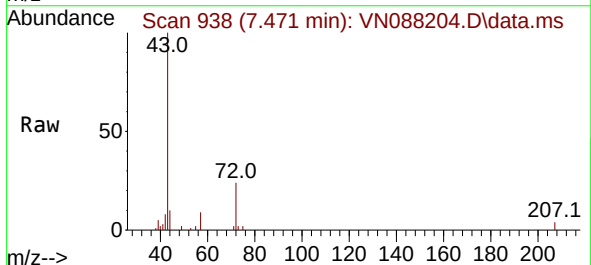
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-17-SOIL

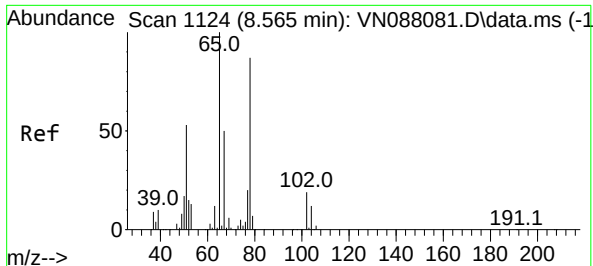
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 12619 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 144.6 | 103.4 | 155.2 |
| 51       | 36.4  | 33.8  | 50.8  |
| 86       | 60.7  | 49.6  | 74.4  |



#25  
2-Butanone  
Concen: 14.454 ug/l  
RT: 7.471 min Scan# 938  
Delta R.T. 0.006 min  
Lab File: VN088204.D  
Acq: 06 Nov 2025 14:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 46784 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 24.2  | 19.9  | 29.9  |





#33

1,2-Dichloroethane-d4

Concen: 63.222 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088204.D

Acq: 06 Nov 2025 14:29

Instrument :

MSVOA\_N

ClientSampleId :

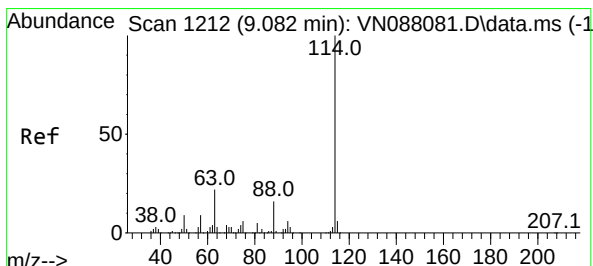
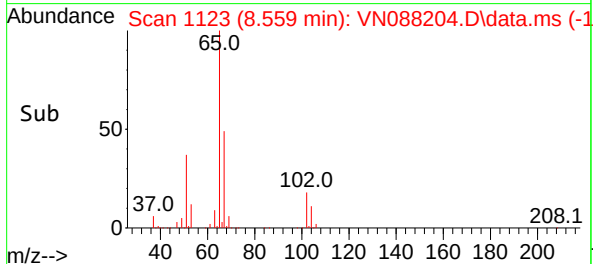
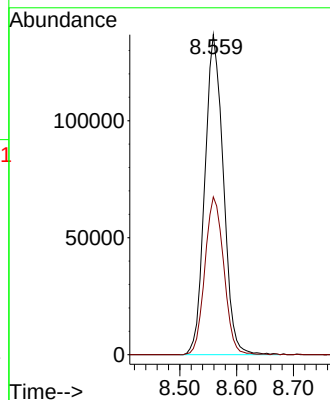
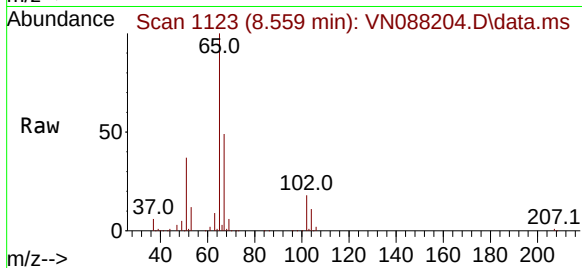
MW-17-SOIL

Tgt Ion: 65 Resp: 309078

Ion Ratio Lower Upper

65 100

67 50.3 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088204.D

Acq: 06 Nov 2025 14:29

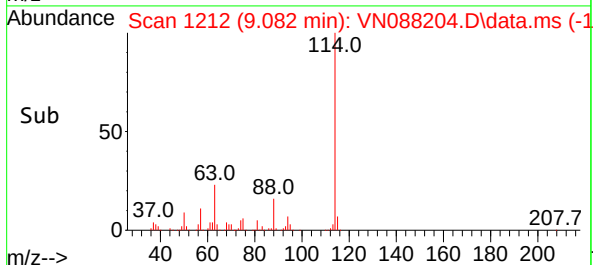
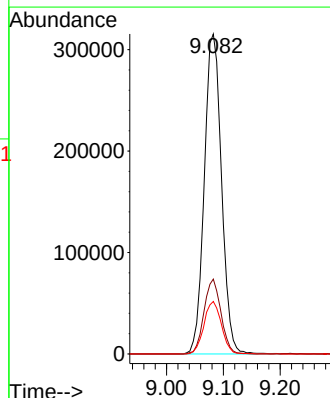
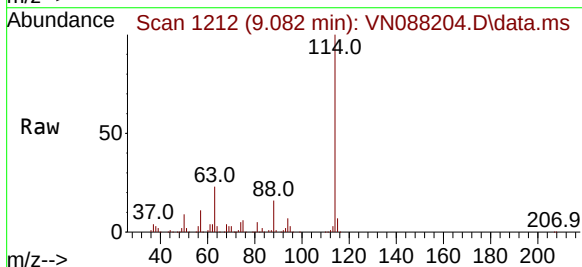
Tgt Ion: 114 Resp: 663418

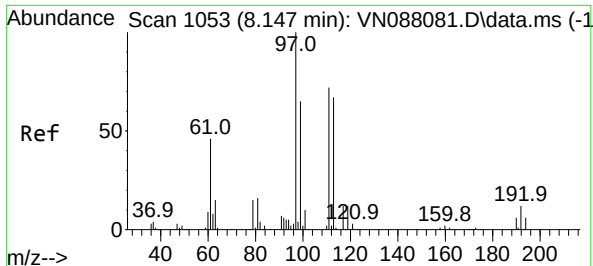
Ion Ratio Lower Upper

114 100

63 23.4 0.0 45.2

88 16.4 0.0 33.4

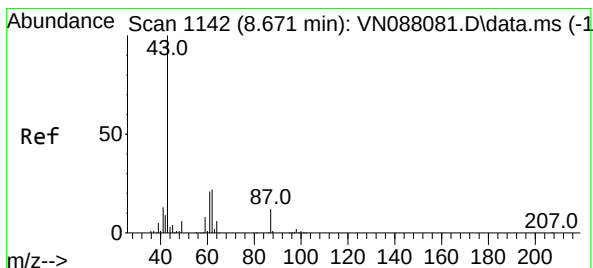
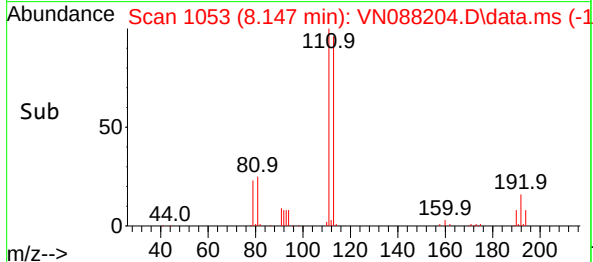
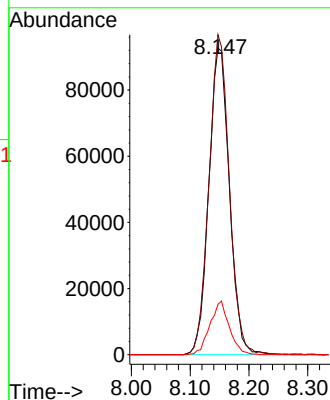
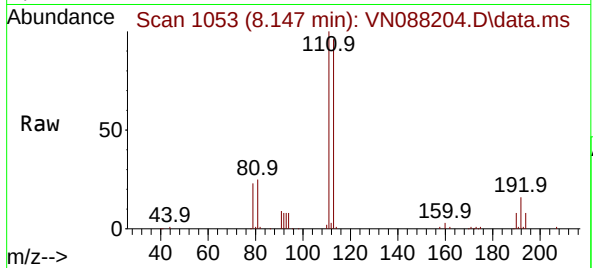




#35  
Dibromofluoromethane  
Concen: 50.762 ug/l  
RT: 8.147 min Scan# 1103  
Delta R.T. -0.006 min  
Lab File: VN088204.D  
Acq: 06 Nov 2025 14:29

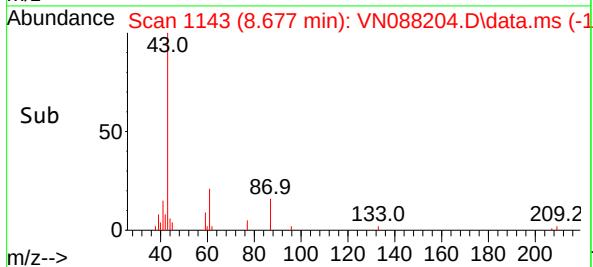
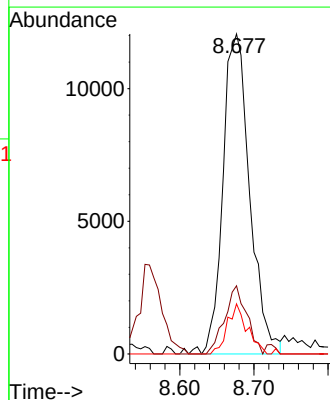
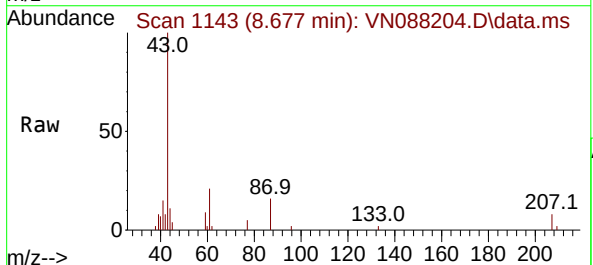
Instrument :  
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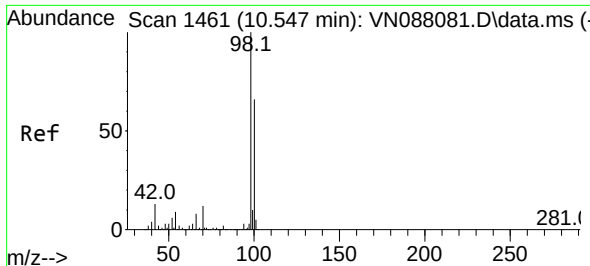
Tgt Ion:113 Resp: 226242  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.8 124.2  
192 16.4 12.8 19.2



#43  
Isopropyl Acetate  
Concen: 2.354 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. 0.006 min  
Lab File: VN088204.D  
Acq: 06 Nov 2025 14:29

Tgt Ion: 43 Resp: 30379  
Ion Ratio Lower Upper  
43 100  
61 17.5 18.8 28.2#  
87 11.6 9.6 14.4

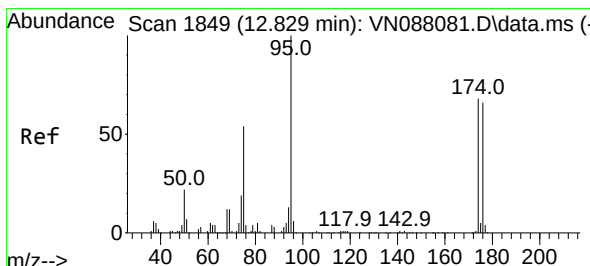
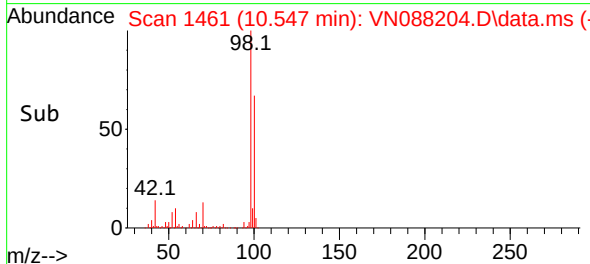
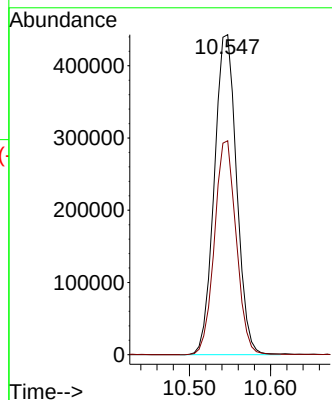
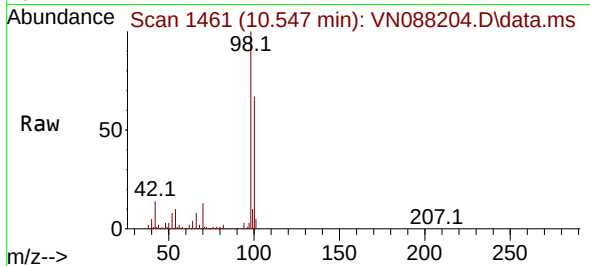




#50  
Toluene-d8  
Concen: 49.201 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: VN088204.D  
Acq: 06 Nov 2025 14:29

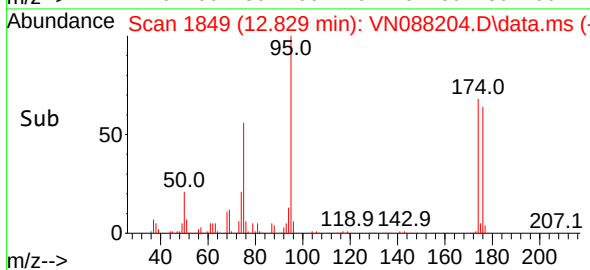
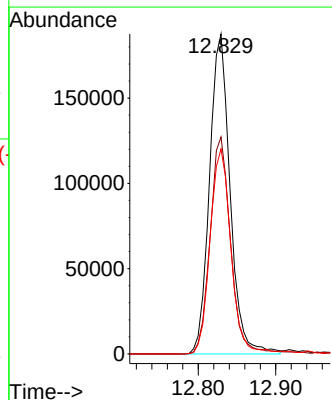
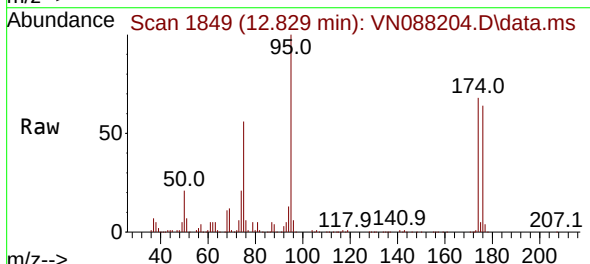
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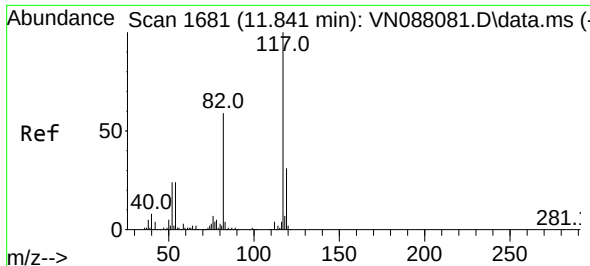
Tgt Ion: 98 Resp: 844931  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 57.061 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.006 min  
Lab File: VN088204.D  
Acq: 06 Nov 2025 14:29

Tgt Ion: 95 Resp: 346067  
Ion Ratio Lower Upper  
95 100  
174 68.0 0.0 138.4  
176 64.8 0.0 132.6

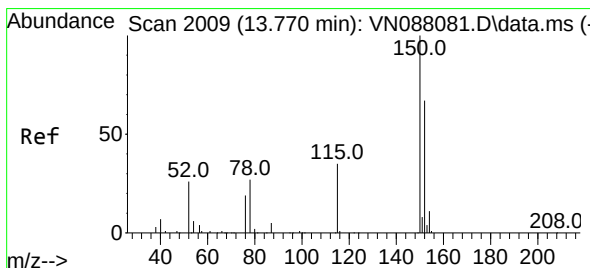
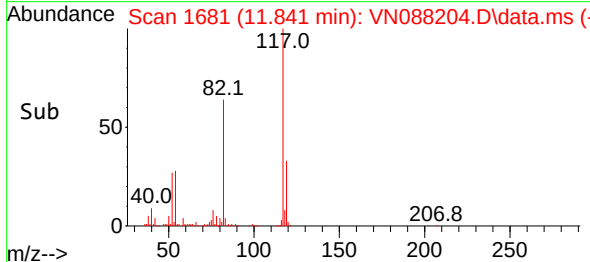
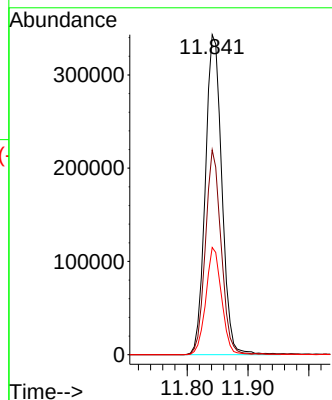
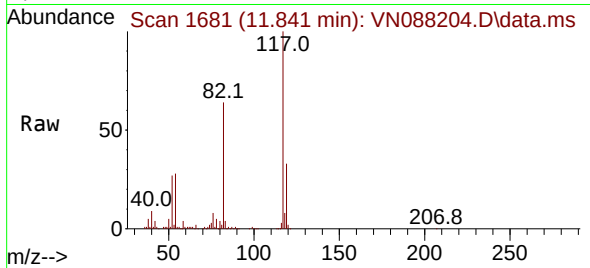




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.841 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN088204.D  
Acq: 06 Nov 2025 14:29

Instrument :  
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ClientSampleId :  
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Tgt Ion:117 Resp: 645443  
Ion Ratio Lower Upper  
117 100  
82 64.0 47.4 71.2  
119 33.5 24.3 36.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.770 min Scan# 2009  
Delta R.T. 0.006 min  
Lab File: VN088204.D  
Acq: 06 Nov 2025 14:29

Tgt Ion:152 Resp: 328310  
Ion Ratio Lower Upper  
152 100  
115 63.6 32.3 96.8  
150 155.9 0.0 351.0

