

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112025\  
 Data File : VN088322.D  
 Acq On : 20 Nov 2025 11:42  
 Operator : JC\MD  
 Sample : Q3676-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OUTFALL-DSN-001

Quant Time: Nov 21 02:58:01 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N111325W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Nov 14 00:49:21 2025  
 Response via : Initial Calibration

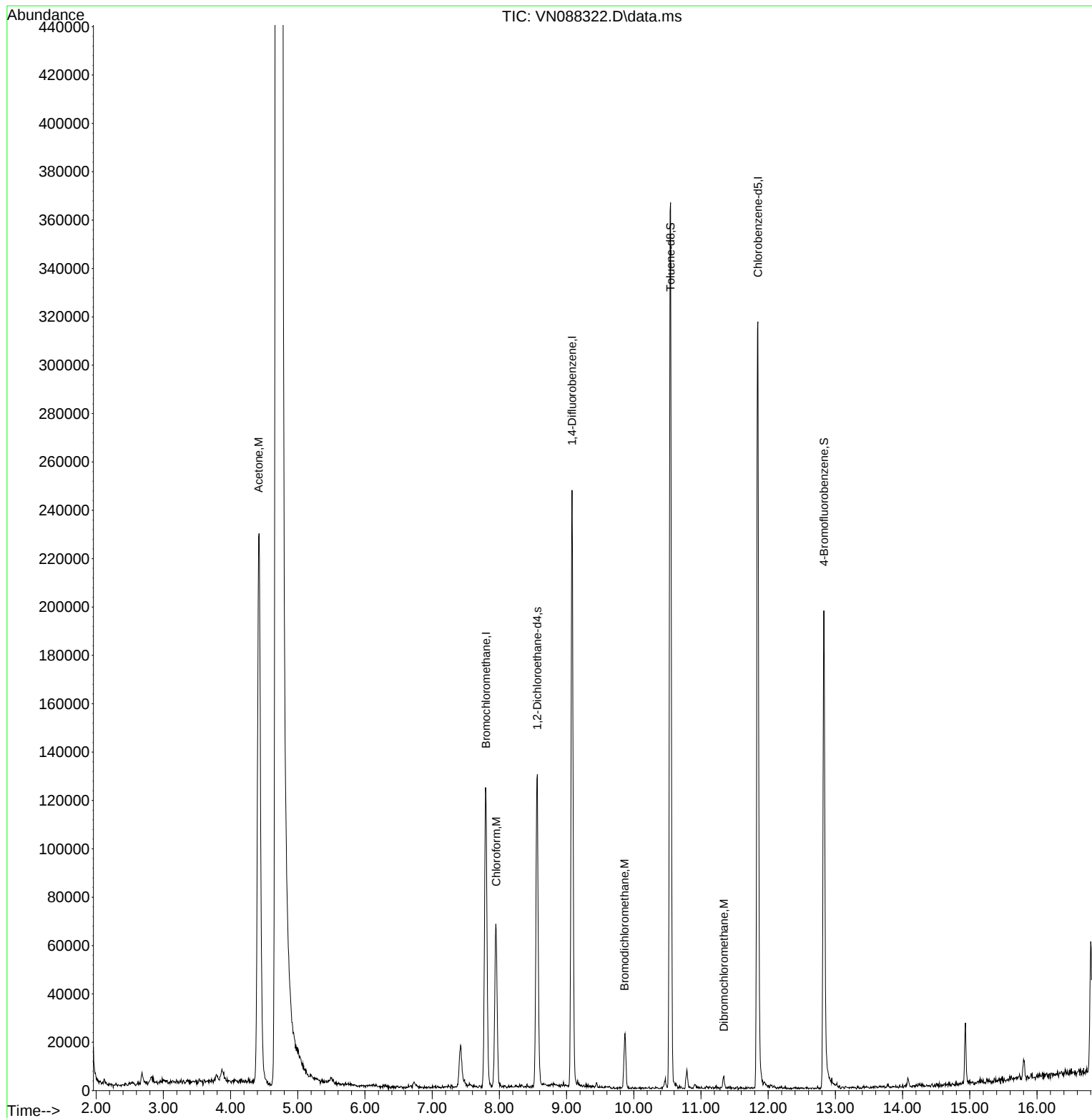
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 7.800  | 128   | 41384    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 9.082  | 114   | 201252   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 11.847 | 117   | 178061   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 8.565  | 65    | 109243   | 28.899   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 96.333%  |
| 60) 4-Bromofluorobenzene    | 12.829 | 95    | 73177    | 24.311   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 81.033%  |
| 63) Toluene-d8              | 10.547 | 98    | 250199   | 29.679   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 98.933%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 15) Acetone                 | 4.418  | 58    | 135489   | 277.730  | ug/l   | 94       |
| 25) Chloroform              | 7.953  | 83    | 62265    | 11.803   | ug/l   | 97       |
| 41) Bromodichloromethane    | 9.865  | 83    | 16266    | 4.343    | ug/l # | 86       |
| 53) Dibromochloromethane    | 11.341 | 129   | 2706     | 1.024    | ug/l   | 98       |
| -----                       |        |       |          |          |        |          |

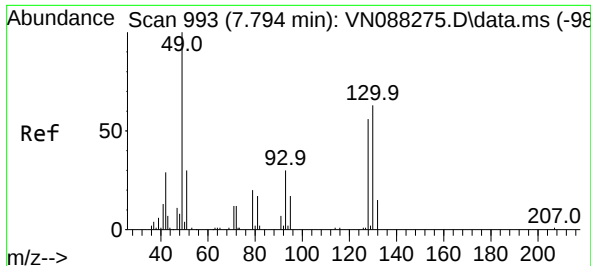
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_N  
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OUTFALL-DSN-001

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Nov 14 00:49:21 2025  
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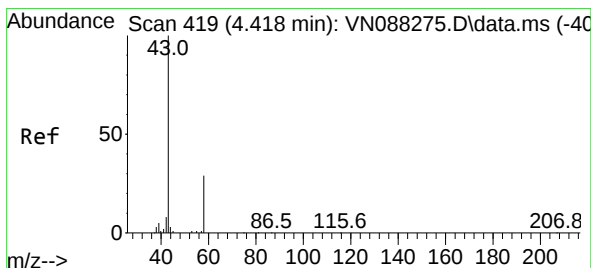
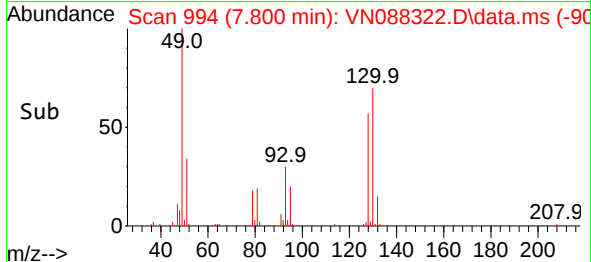
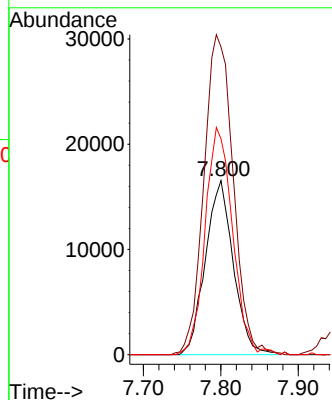
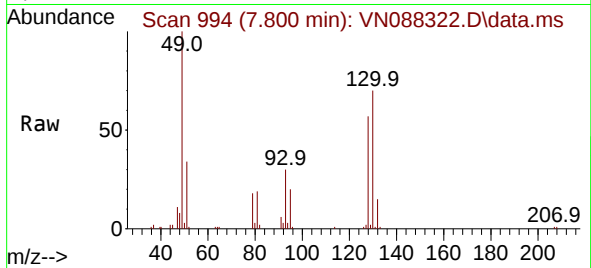




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.800 min Scan# 993  
Delta R.T. 0.006 min  
Lab File: VN088322.D  
Acq: 20 Nov 2025 11:42

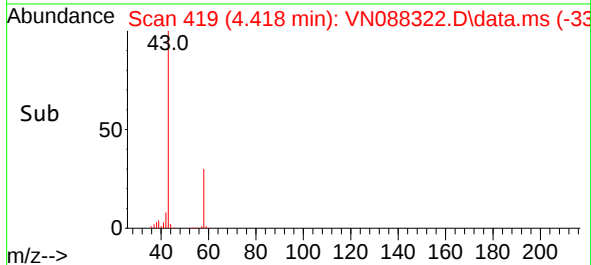
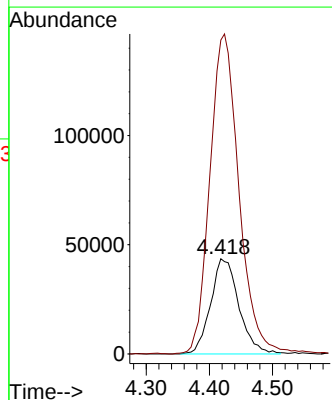
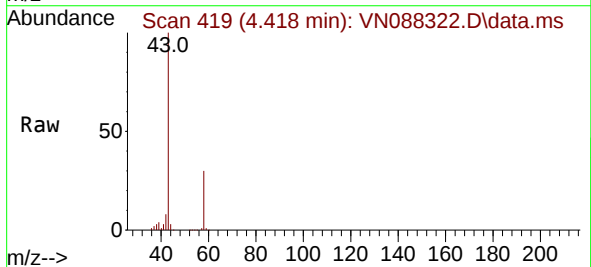
Instrument :  
MSVOA\_N  
ClientSampleId :  
OUTFALL-DSN-001

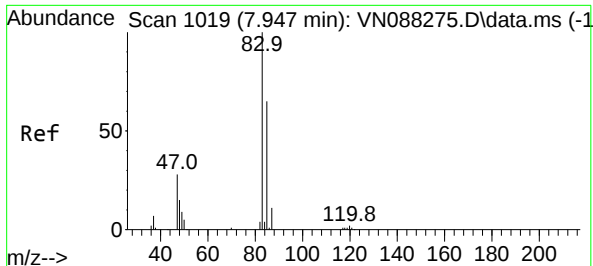
Tgt Ion:128 Resp: 41384  
Ion Ratio Lower Upper  
128 100  
49 193.2 0.0 501.2  
130 127.5 0.0 320.2



#15  
Acetone  
Concen: 277.730 ug/l  
RT: 4.418 min Scan# 419  
Delta R.T. -0.000 min  
Lab File: VN088322.D  
Acq: 20 Nov 2025 11:42

Tgt Ion: 58 Resp: 135489  
Ion Ratio Lower Upper  
58 100  
43 329.0 273.9 410.9





#25

Chloroform

Concen: 11.803 ug/l

RT: 7.953 min Scan# 1020

Delta R.T. 0.006 min

Lab File: VN088322.D

Acq: 20 Nov 2025 11:42

Instrument :

MSVOA\_N

ClientSampleId :

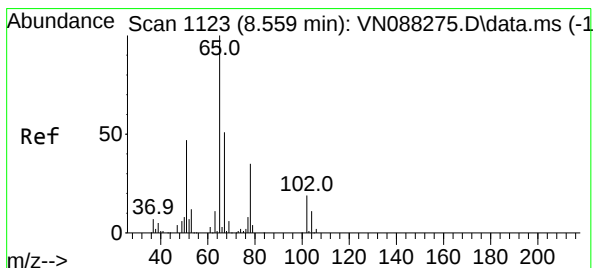
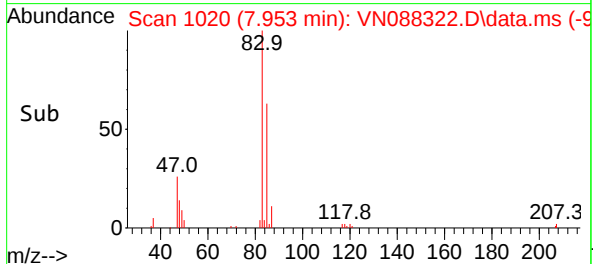
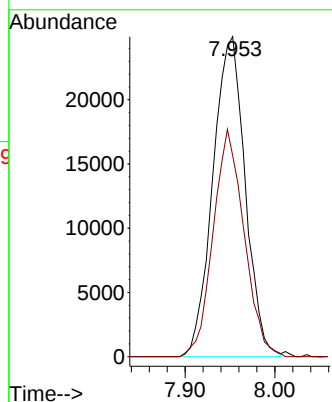
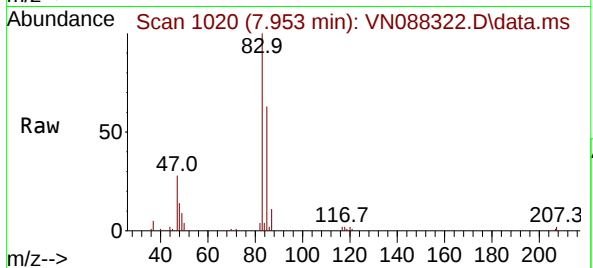
OUTFALL-DSN-001

Tgt Ion: 83 Resp: 62265

Ion Ratio Lower Upper

83 100

85 62.8 52.2 78.4



#27

1,2-Dichloroethane-d4

Concen: 28.899 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN088322.D

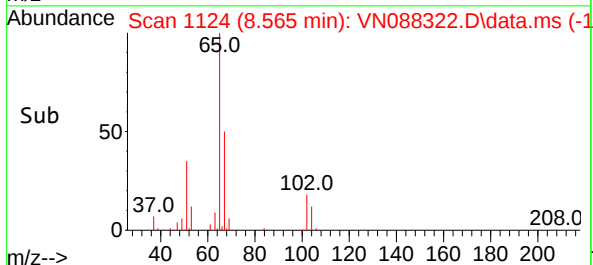
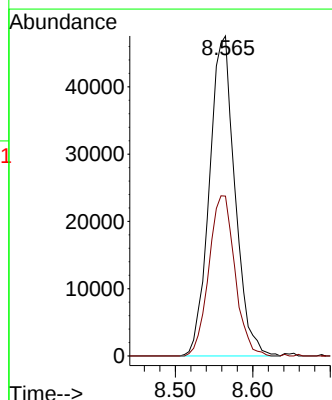
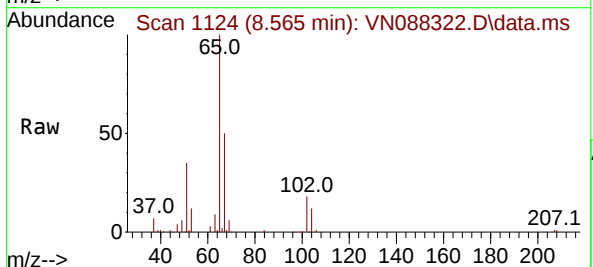
Acq: 20 Nov 2025 11:42

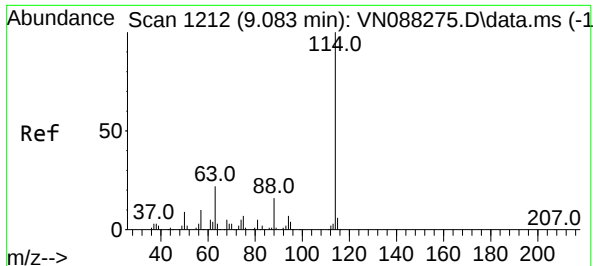
Tgt Ion: 65 Resp: 109243

Ion Ratio Lower Upper

65 100

67 51.0 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088322.D

Acq: 20 Nov 2025 11:42

Instrument :

MSVOA\_N

ClientSampleId :

OUTFALL-DSN-001

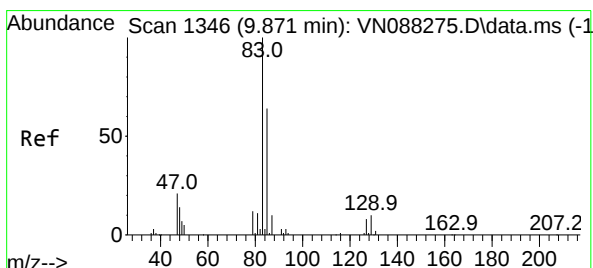
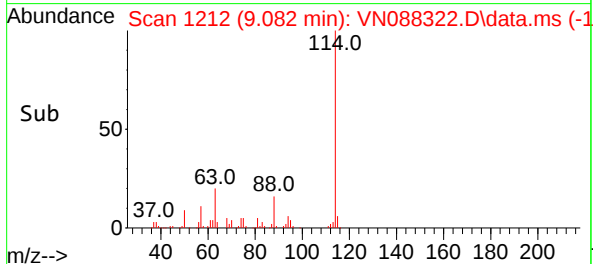
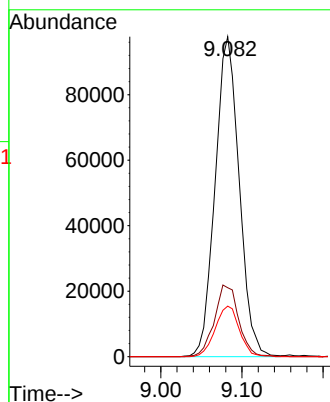
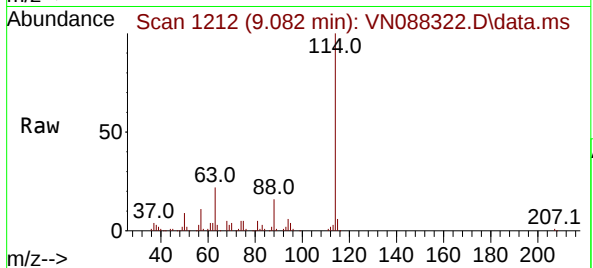
Tgt Ion:114 Resp: 201252

Ion Ratio Lower Upper

114 100

63 22.6 18.9 28.3

88 15.9 12.8 19.2



#41

Bromodichloromethane

Concen: 4.343 ug/l

RT: 9.865 min Scan# 1345

Delta R.T. -0.006 min

Lab File: VN088322.D

Acq: 20 Nov 2025 11:42

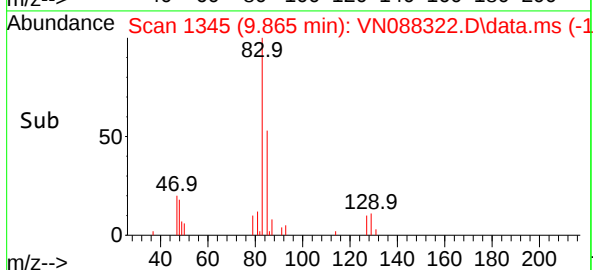
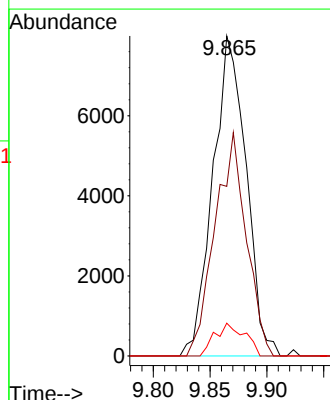
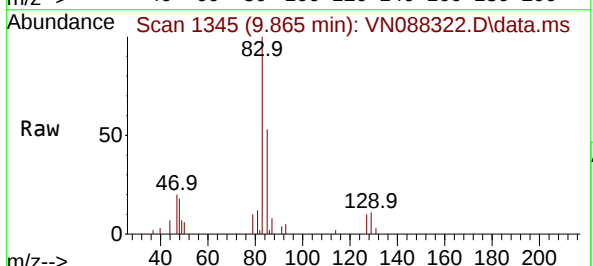
Tgt Ion: 83 Resp: 16266

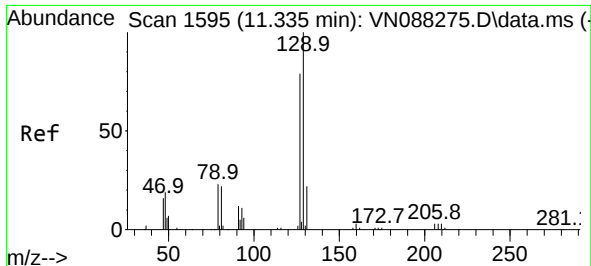
Ion Ratio Lower Upper

83 100

85 53.0 51.4 77.2

127 10.3 6.4 9.6#

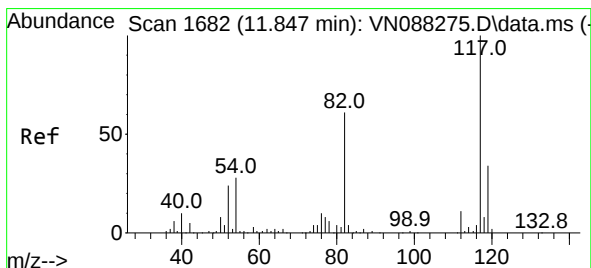
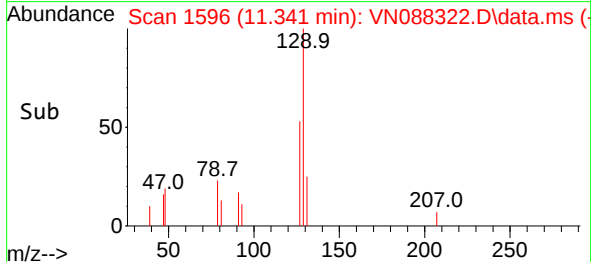
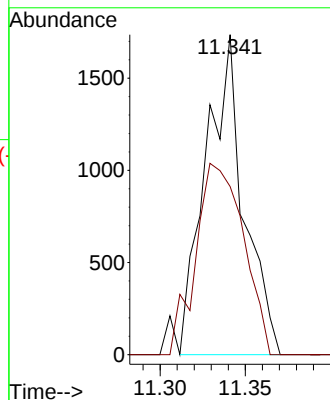
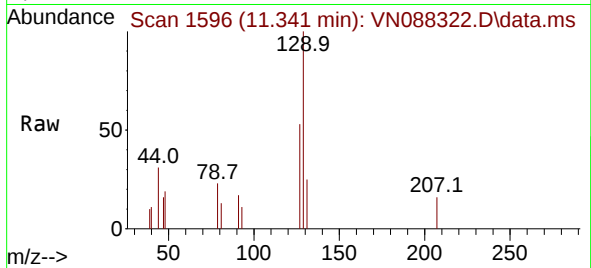




#53  
Dibromochloromethane  
Concen: 1.024 ug/l  
RT: 11.341 min Scan# 1596  
Delta R.T. 0.006 min  
Lab File: VN088322.D  
Acq: 20 Nov 2025 11:42

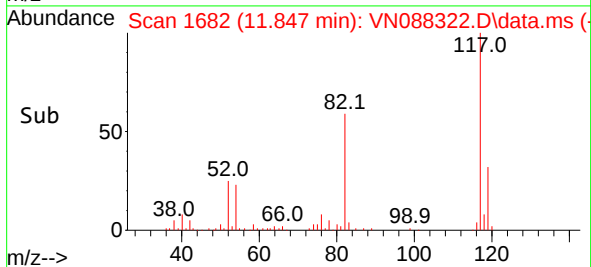
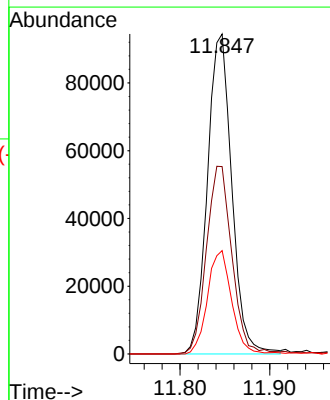
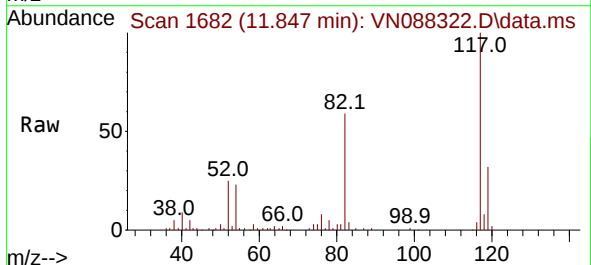
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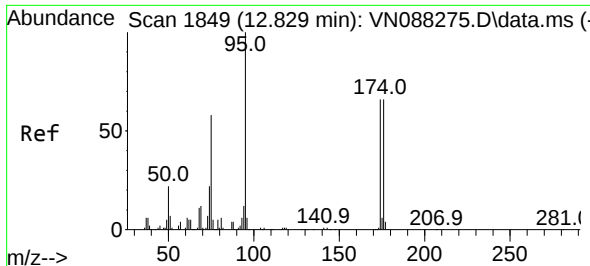
Tgt Ion:129 Resp: 2706  
Ion Ratio Lower Upper  
129 100  
127 74.7 38.2 114.6



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.847 min Scan# 1682  
Delta R.T. -0.000 min  
Lab File: VN088322.D  
Acq: 20 Nov 2025 11:42

Tgt Ion:117 Resp: 178061  
Ion Ratio Lower Upper  
117 100  
82 61.0 49.3 73.9  
119 31.8 26.4 39.6

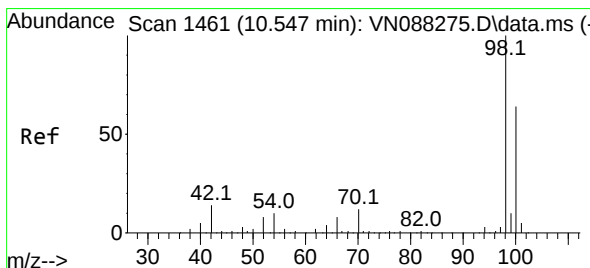
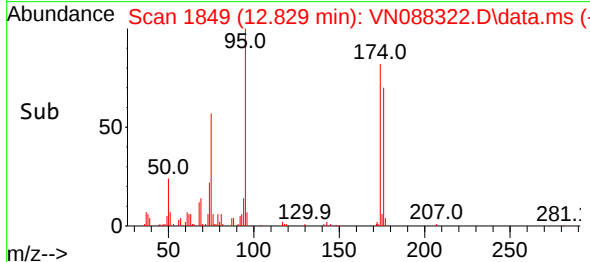
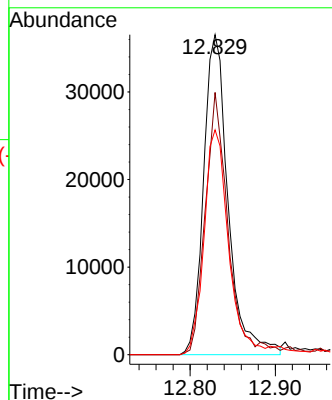
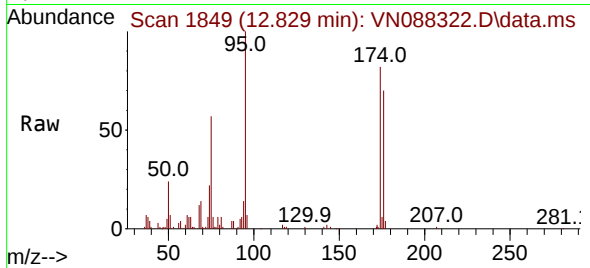




#60  
4-Bromofluorobenzene  
Concen: 24.311 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. -0.000 min  
Lab File: VN088322.D  
Acq: 20 Nov 2025 11:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
OUTFALL-DSN-001

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 73177 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 73.4  | 54.5  | 81.7  |
| 176      | 69.5  | 53.8  | 80.6  |



#63  
Toluene-d8  
Concen: 29.679 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: VN088322.D  
Acq: 20 Nov 2025 11:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 250199 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.1  | 51.6  | 77.4   |

