

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121025\  
 Data File : VN088508.D  
 Acq On : 10 Dec 2025 17:54  
 Operator : JC\MD  
 Sample : Q3826-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-14

Quant Time: Dec 11 02:13:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

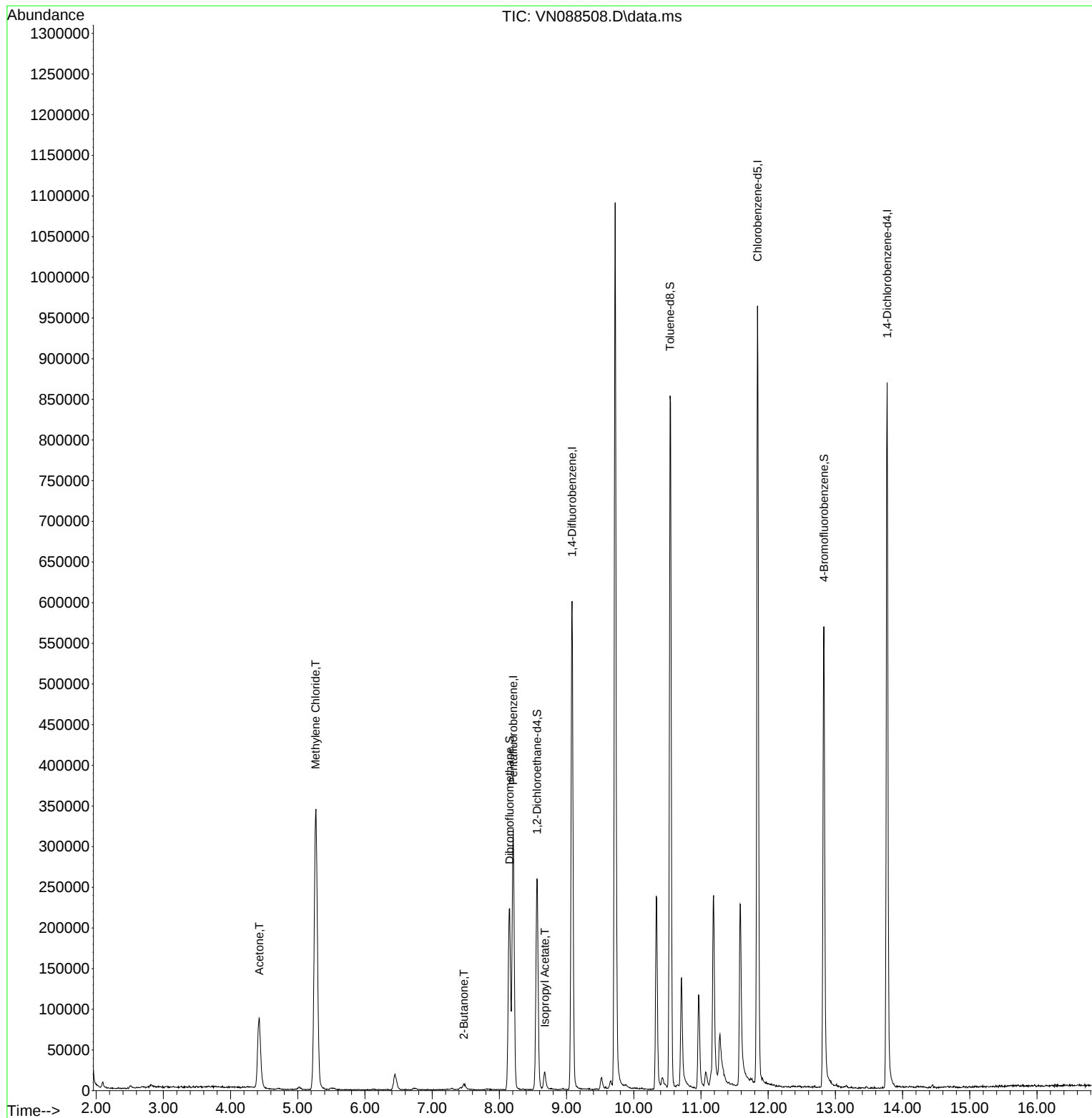
| Compound                    | R.T. QIon |                | Response | Conc    | Units    | Dev(Min) |
|-----------------------------|-----------|----------------|----------|---------|----------|----------|
| -----                       |           |                |          |         |          |          |
| Internal Standards          |           |                |          |         |          |          |
| 1) Pentafluorobenzene       | 8.206     | 168            | 201740   | 50.000  | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.082     | 114            | 476029   | 50.000  | ug/l     | 0.00     |
| 63) Chlorobenzene-d5        | 11.841    | 117            | 503228   | 50.000  | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.770    | 152            | 226245   | 50.000  | ug/l     | 0.00     |
| System Monitoring Compounds |           |                |          |         |          |          |
| 33) 1,2-Dichloroethane-d4   | 8.559     | 65             | 226107   | 59.496  | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 74 - 125 | Recovery | =       | 119.000% |          |
| 35) Dibromofluoromethane    | 8.153     | 113            | 161998   | 49.107  | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 75 - 124 | Recovery | =       | 98.220%  |          |
| 50) Toluene-d8              | 10.541    | 98             | 571374   | 46.550  | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 86 - 113 | Recovery | =       | 93.100%  |          |
| 62) 4-Bromofluorobenzene    | 12.829    | 95             | 210265   | 49.926  | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 77 - 121 | Recovery | =       | 99.860%  |          |
| Target Compounds            |           |                |          |         |          |          |
|                             |           |                |          |         | Qvalue   |          |
| 16) Acetone                 | 4.430     | 43             | 180932   | 131.643 | ug/l     | 95       |
| 20) Methylene Chloride      | 5.265     | 84             | 263791   | 89.707  | ug/l     | 97       |
| 25) 2-Butanone              | 7.471     | 43             | 13603    | 6.156   | ug/l #   | 88       |
| 43) Isopropyl Acetate       | 8.676     | 43             | 27471    | 2.686   | ug/l #   | 88       |
| -----                       |           |                |          |         |          |          |

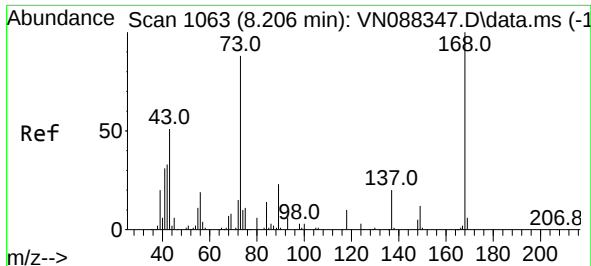
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121025\  
Data File : VN088508.D  
Acq On : 10 Dec 2025 17:54  
Operator : JC\MD  
Sample : Q3826-04  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-14

Quant Time: Dec 11 02:13:17 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

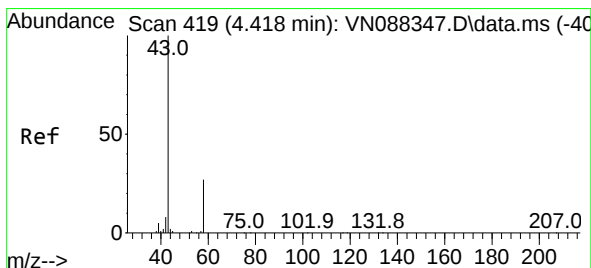
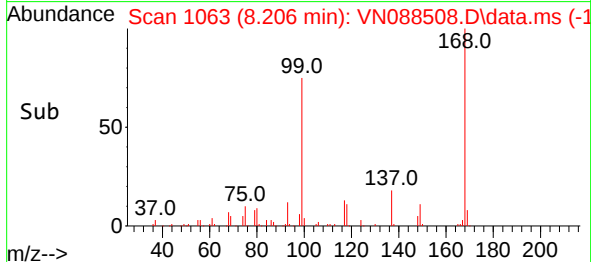
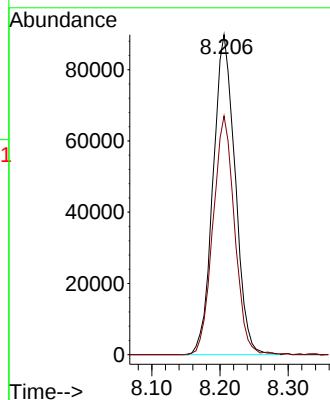
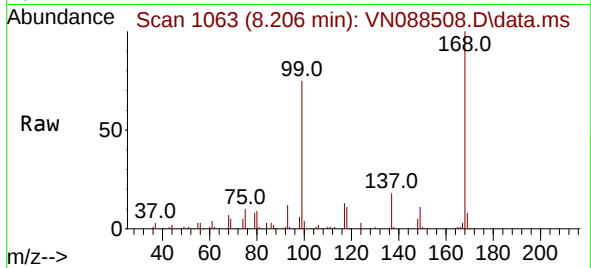




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. -0.000 min  
Lab File: VN088508.D  
Acq: 10 Dec 2025 17:54

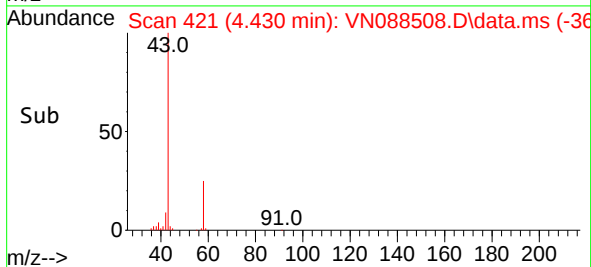
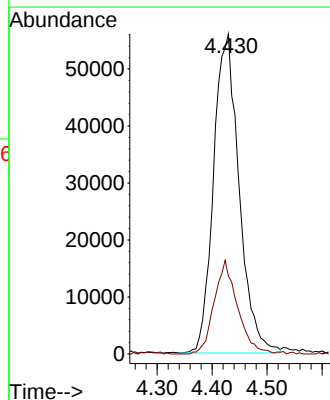
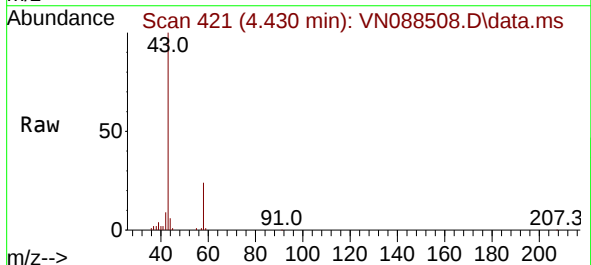
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-14

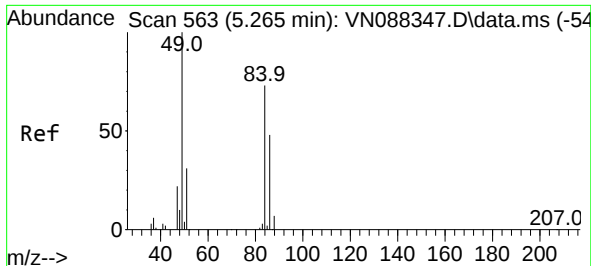
Tgt Ion:168 Resp: 201740  
Ion Ratio Lower Upper  
168 100  
99 74.6 57.1 85.7



#16  
Acetone  
Concen: 131.643 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.012 min  
Lab File: VN088508.D  
Acq: 10 Dec 2025 17:54

Tgt Ion: 43 Resp: 180932  
Ion Ratio Lower Upper  
43 100  
58 24.5 21.7 32.5

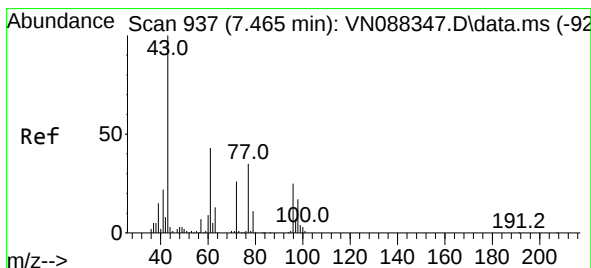
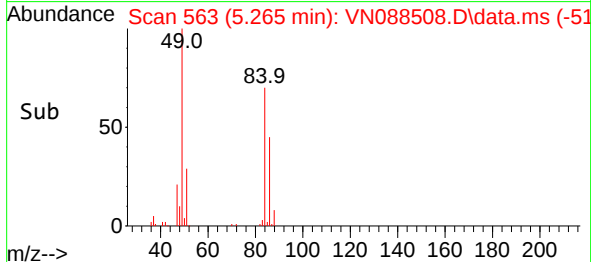
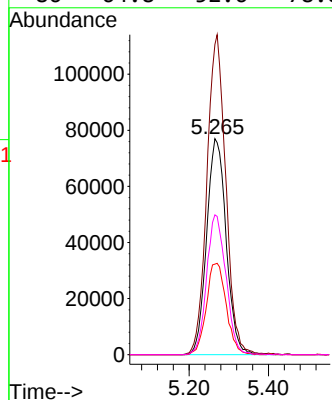
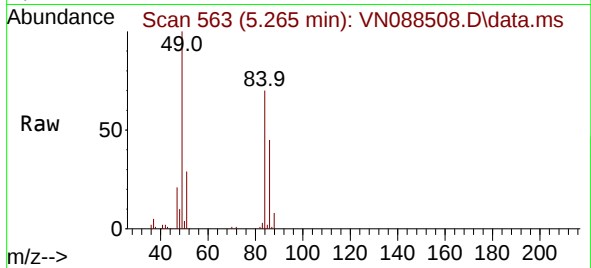




#20  
Methylene Chloride  
Concen: 89.707 ug/l  
RT: 5.265 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN088508.D  
Acq: 10 Dec 2025 17:54

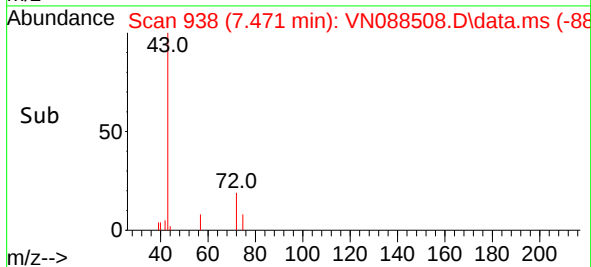
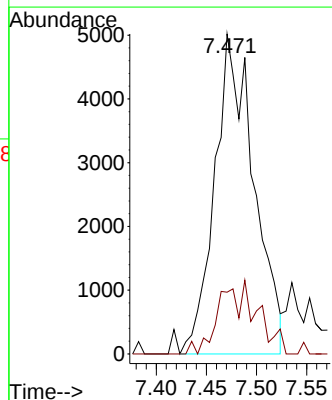
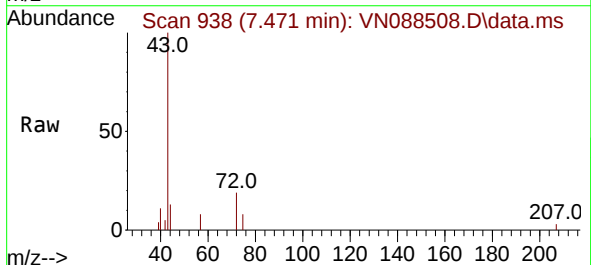
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-14

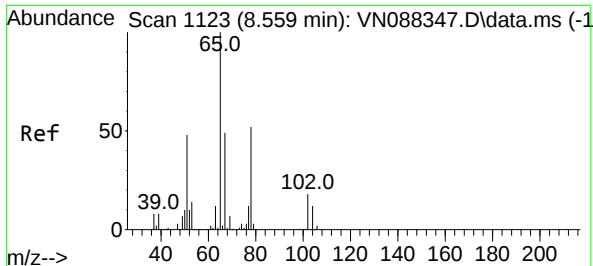
Tgt Ion: 84 Resp: 263791  
Ion Ratio Lower Upper  
84 100  
49 143.6 110.2 165.2  
51 41.9 34.1 51.1  
86 64.8 52.6 78.8



#25  
2-Butanone  
Concen: 6.156 ug/l  
RT: 7.471 min Scan# 938  
Delta R.T. 0.006 min  
Lab File: VN088508.D  
Acq: 10 Dec 2025 17:54

Tgt Ion: 43 Resp: 13603  
Ion Ratio Lower Upper  
43 100  
72 19.3 20.5 30.7#





#33

1,2-Dichloroethane-d4

Concen: 59.496 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088508.D

Acq: 10 Dec 2025 17:54

Instrument :

MSVOA\_N

ClientSampleId :

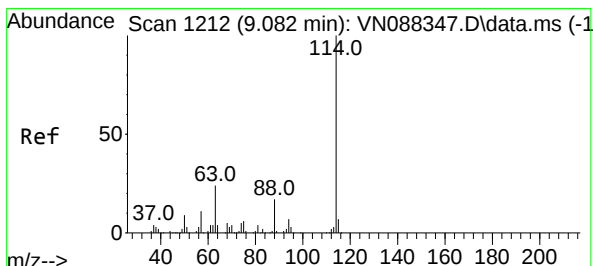
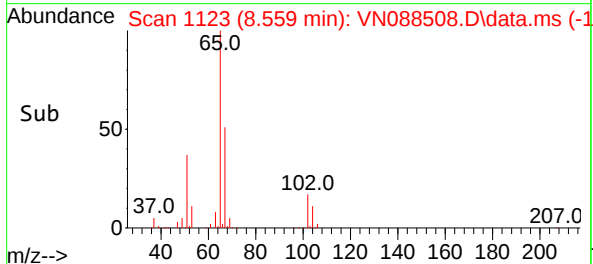
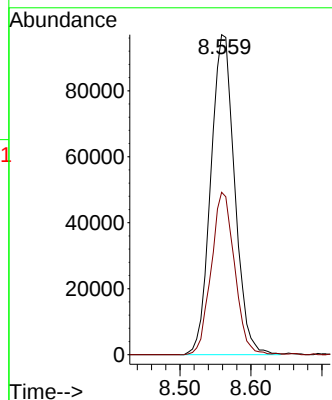
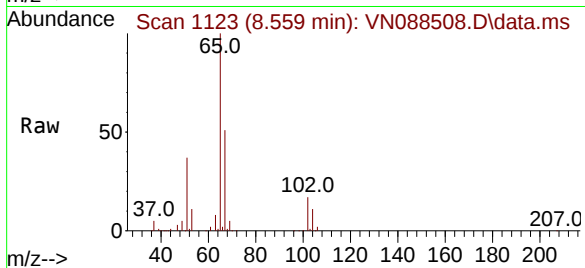
TP-14

Tgt Ion: 65 Resp: 226107

Ion Ratio Lower Upper

65 100

67 49.6 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088508.D

Acq: 10 Dec 2025 17:54

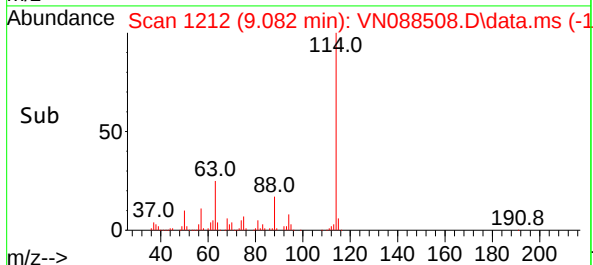
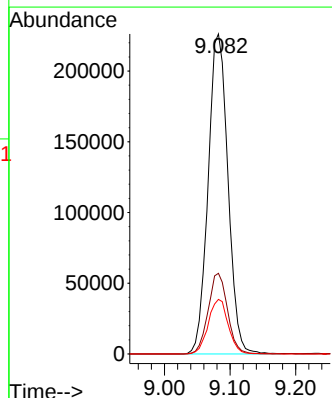
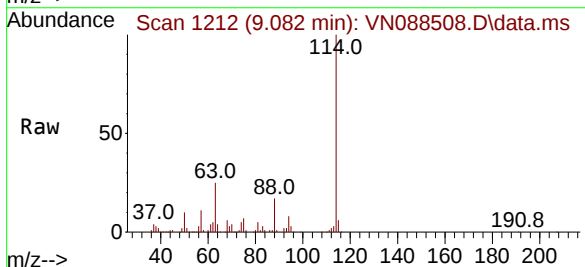
Tgt Ion: 114 Resp: 476029

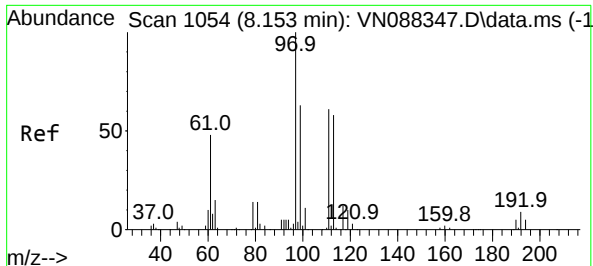
Ion Ratio Lower Upper

114 100

63 25.2 0.0 49.0

88 17.0 0.0 34.0





#35

Dibromofluoromethane

Concen: 49.107 ug/l

RT: 8.153 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088508.D

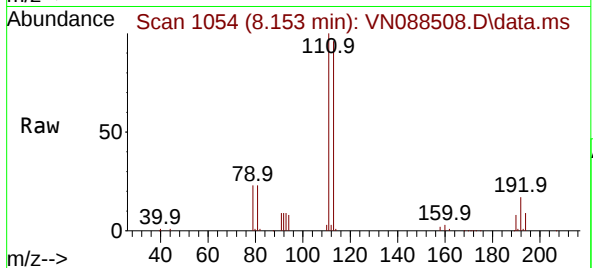
Acq: 10 Dec 2025 17:54

Instrument :

MSVOA\_N

ClientSampleId :

TP-14



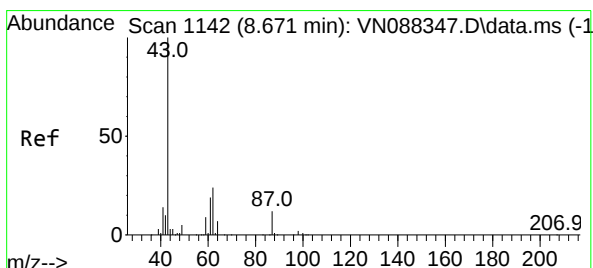
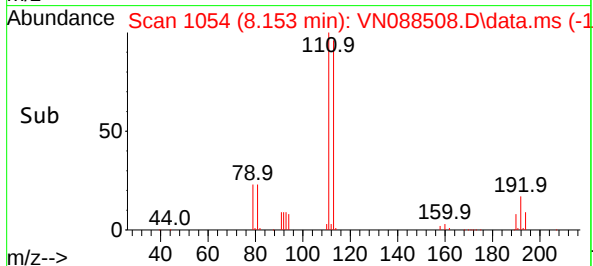
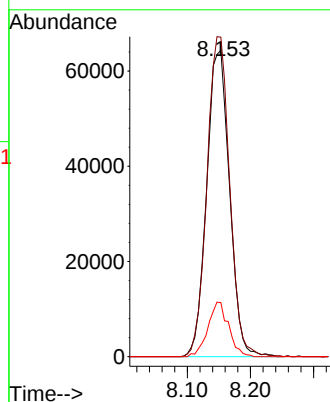
Tgt Ion:113 Resp: 161998

Ion Ratio Lower Upper

113 100

111 103.8 82.5 123.7

192 16.1 12.8 19.2



#43

Isopropyl Acetate

Concen: 2.686 ug/l

RT: 8.676 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN088508.D

Acq: 10 Dec 2025 17:54

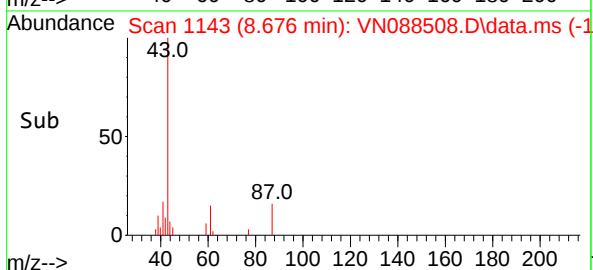
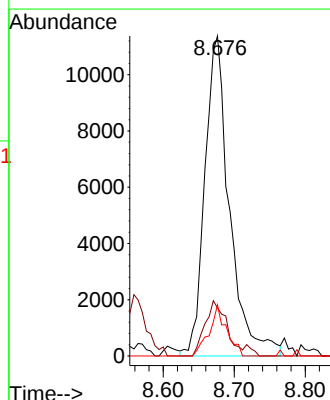
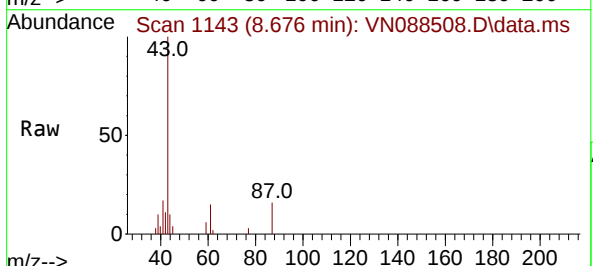
Tgt Ion: 43 Resp: 27471

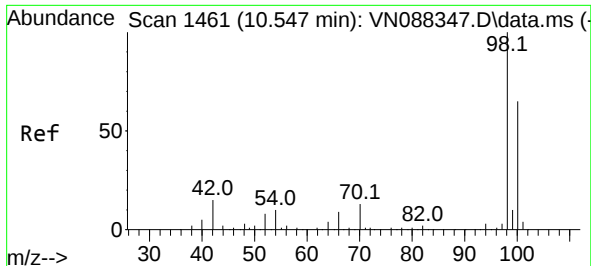
Ion Ratio Lower Upper

43 100

61 15.0 18.7 28.1#

87 11.2 9.1 13.7

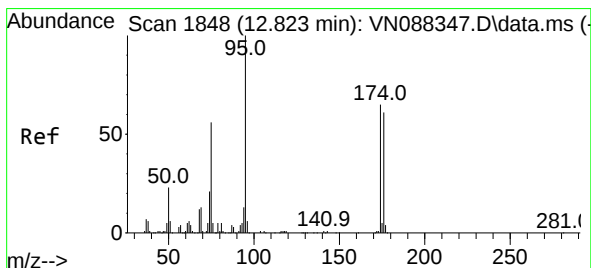
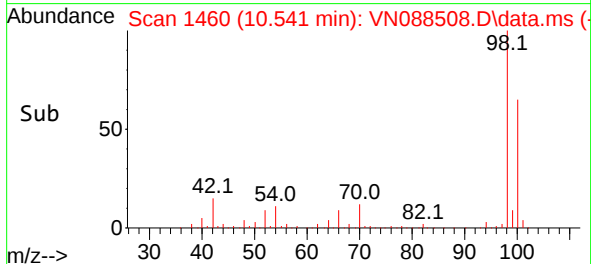
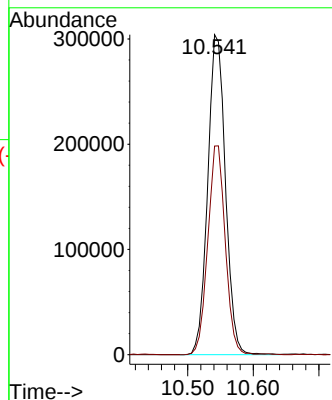
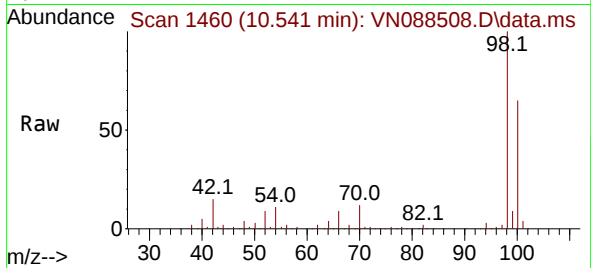




#50  
Toluene-d8  
Concen: 46.550 ug/l  
RT: 10.541 min Scan# 1460  
Delta R.T. -0.006 min  
Lab File: VN088508.D  
Acq: 10 Dec 2025 17:54

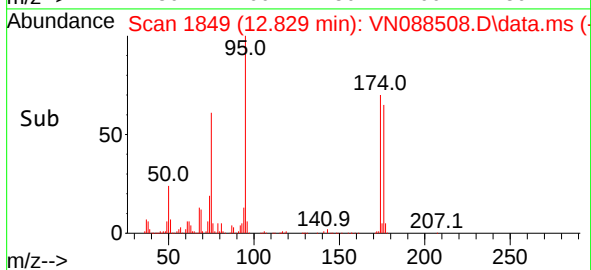
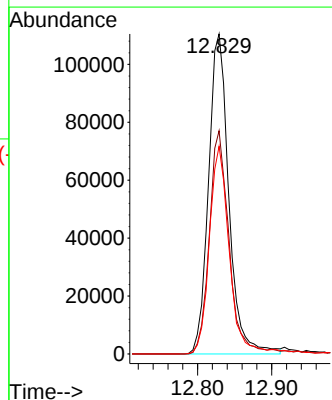
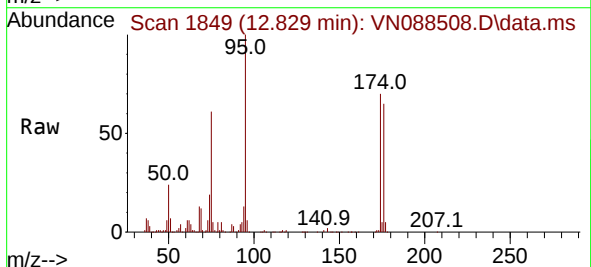
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-14

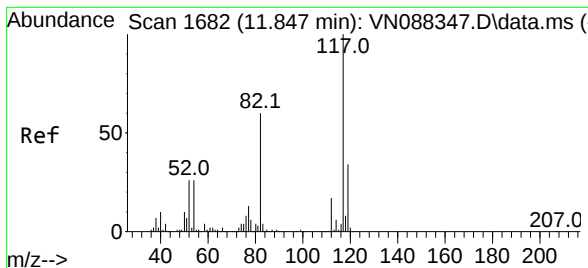
Tgt Ion: 98 Resp: 571374  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 49.926 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.006 min  
Lab File: VN088508.D  
Acq: 10 Dec 2025 17:54

Tgt Ion: 95 Resp: 210265  
Ion Ratio Lower Upper  
95 100  
174 68.7 0.0 139.0  
176 64.5 0.0 132.4

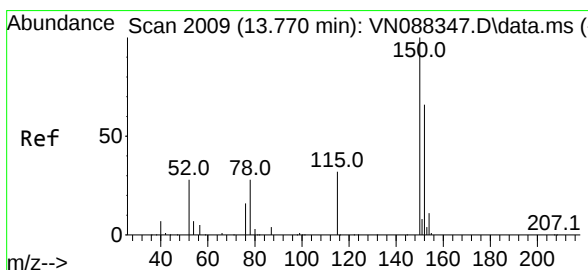
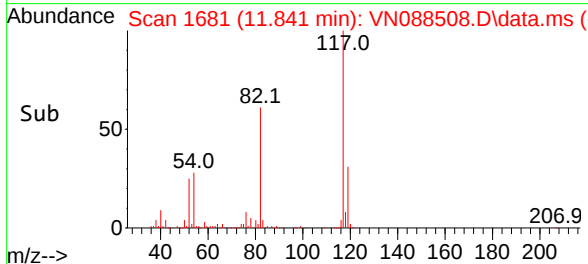
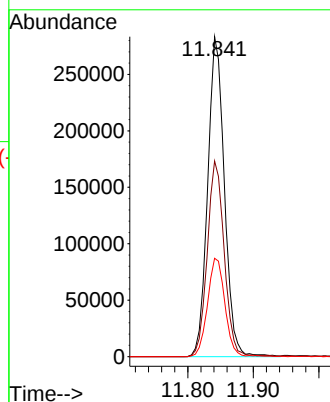
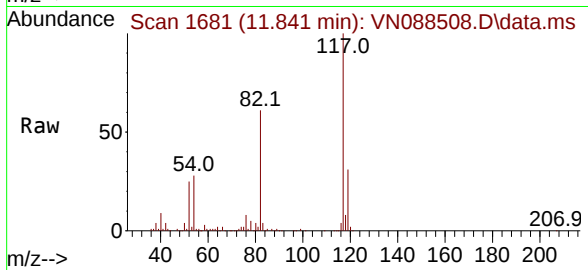




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.841 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN088508.D  
Acq: 10 Dec 2025 17:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-14

Tgt Ion:117 Resp: 503228  
Ion Ratio Lower Upper  
117 100  
82 61.2 47.8 71.8  
119 30.8 26.9 40.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.770 min Scan# 2009  
Delta R.T. -0.000 min  
Lab File: VN088508.D  
Acq: 10 Dec 2025 17:54

Tgt Ion:152 Resp: 226245  
Ion Ratio Lower Upper  
152 100  
115 65.0 33.0 98.9  
150 153.1 0.0 349.0

