

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082925\  
 Data File : VN087698.D  
 Acq On : 29 Aug 2025 14:18  
 Operator : JC\MD  
 Sample : Q2964-04DL 100X  
 Misc : 7.69g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RPXY1RDL

Quant Time: Aug 29 22:55:35 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 2025  
 Response via : Initial Calibration

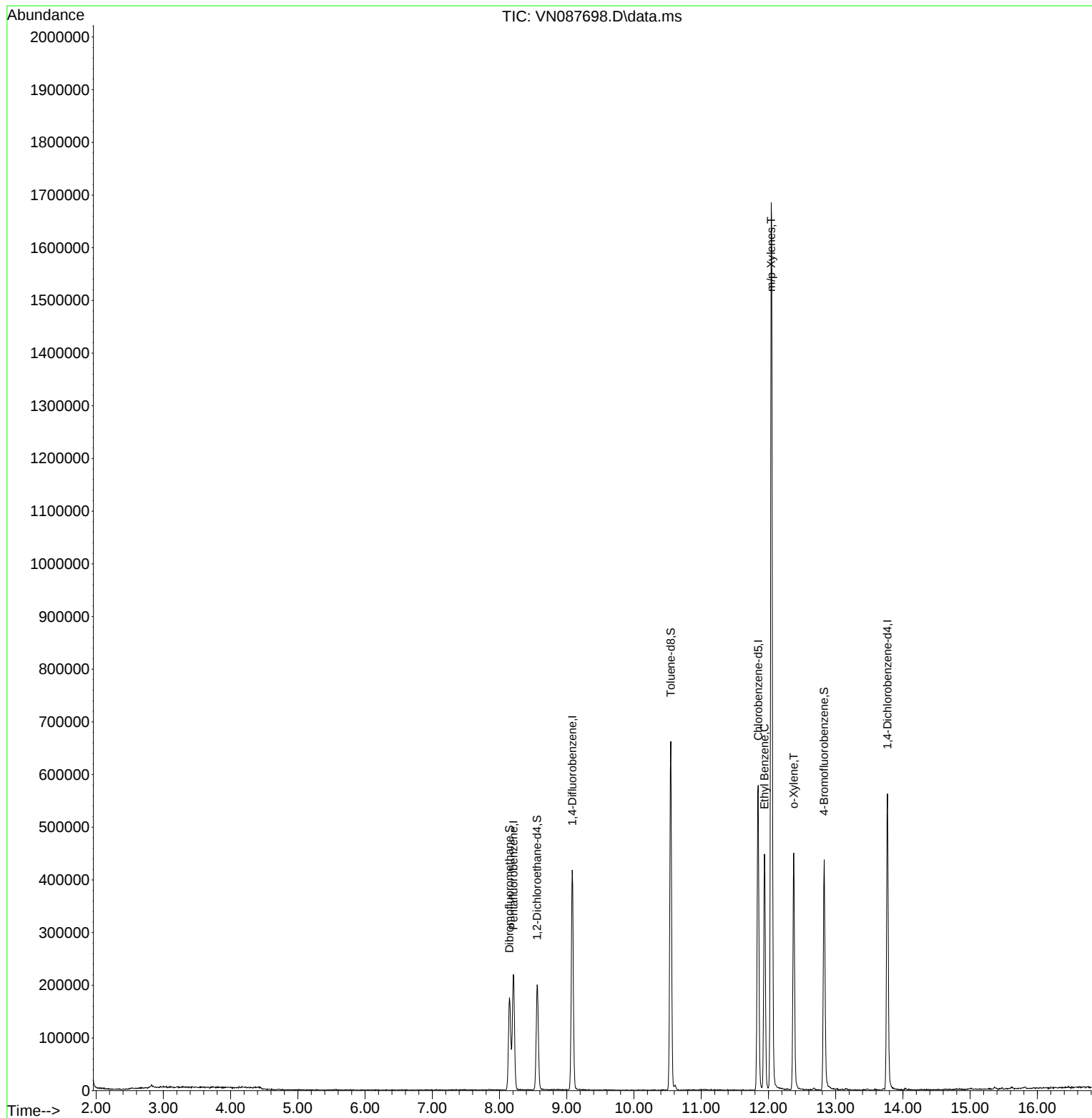
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.206     | 168   | 144470   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.083     | 114   | 341905   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.847    | 117   | 313398   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.770    | 152   | 145966   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.559     | 65    | 164424   | 55.548   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | = 111.100% |          |
| 35) Dibromofluoromethane    | 8.147     | 113   | 122584   | 49.658   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | = 99.320%  |          |
| 50) Toluene-d8              | 10.547    | 98    | 431806   | 46.736   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | = 93.480%  |          |
| 62) 4-Bromofluorobenzene    | 12.829    | 95    | 155502   | 47.326   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 77 - 121 | Recovery | = 94.660%  |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          |            | Qvalue   |
| 67) Ethyl Benzene           | 11.941    | 91    | 324437   | 24.033   | ug/l       | 100      |
| 68) m/p-Xylenes             | 12.041    | 106   | 493325   | 99.643   | ug/l       | 99       |
| 69) o-Xylene                | 12.376    | 106   | 123419   | 25.437   | ug/l       | 100      |
| -----                       |           |       |          |          |            |          |

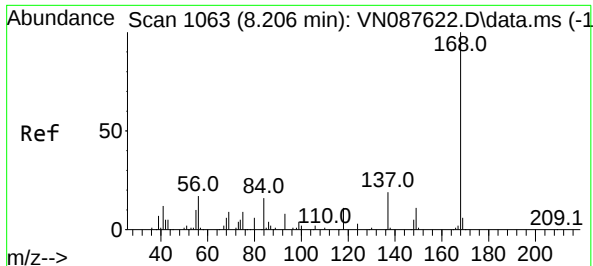
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:55:42 2025  
Response via : Initial Calibration

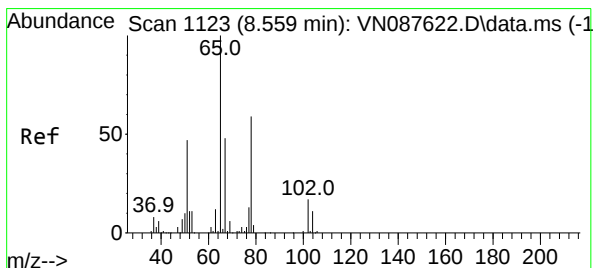
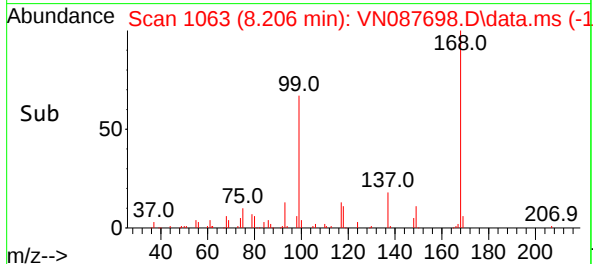
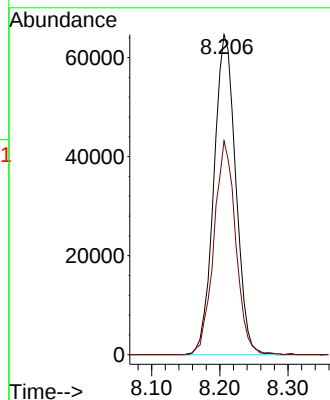
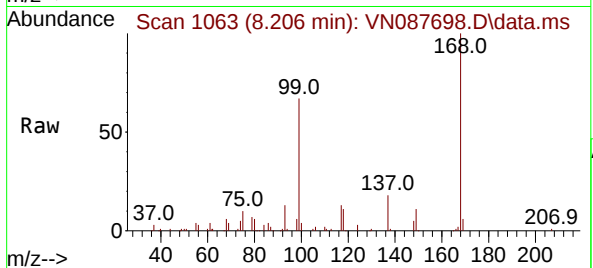




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN087698.D  
Acq: 29 Aug 2025 14:18

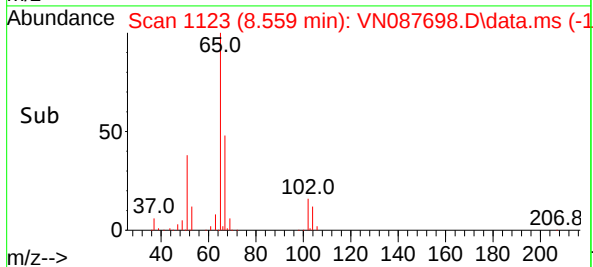
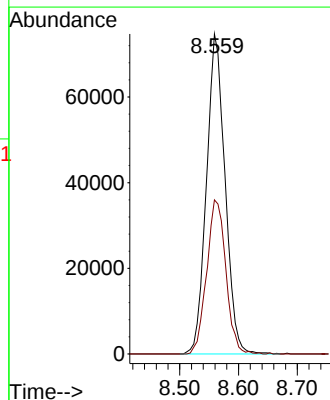
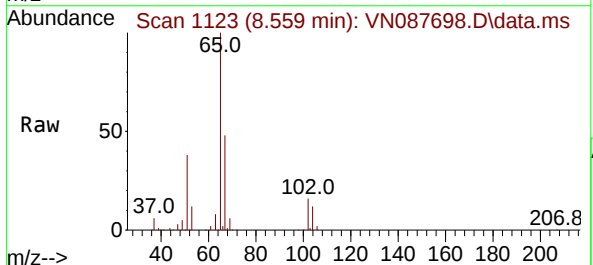
Instrument :  
MSVOA\_N  
ClientSampleId :  
RPXY1RDL

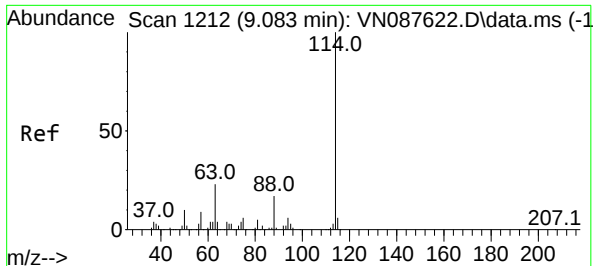
Tgt Ion:168 Resp: 144470  
Ion Ratio Lower Upper  
168 100  
99 66.8 57.2 85.8



#33  
1,2-Dichloroethane-d4  
Concen: 55.548 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. -0.000 min  
Lab File: VN087698.D  
Acq: 29 Aug 2025 14:18

Tgt Ion: 65 Resp: 164424  
Ion Ratio Lower Upper  
65 100  
67 49.6 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087698.D

Acq: 29 Aug 2025 14:18

Instrument :

MSVOA\_N

ClientSampleId :

RPXY1RDL

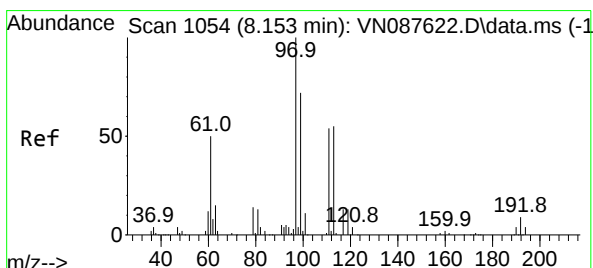
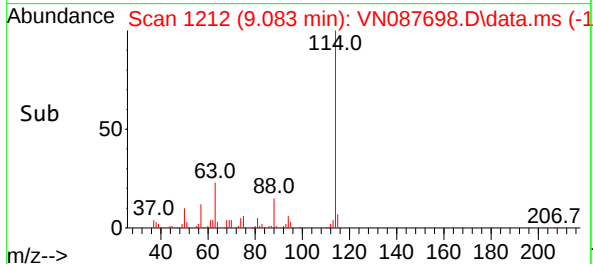
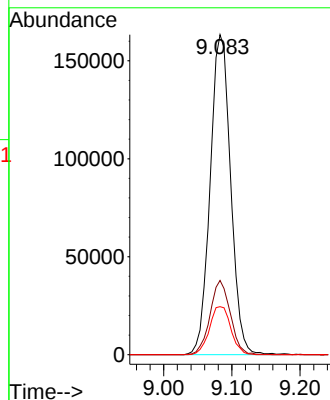
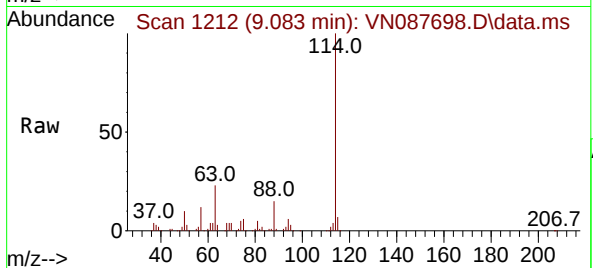
Tgt Ion:114 Resp: 341905

Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.2

88 15.0 0.0 33.4



#35

Dibromofluoromethane

Concen: 49.658 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087698.D

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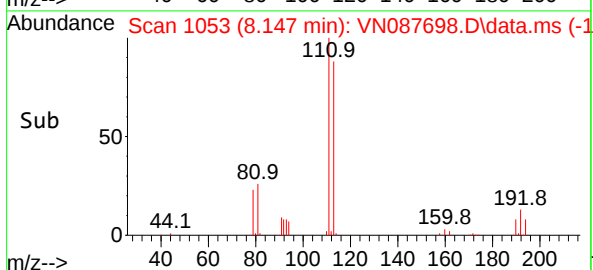
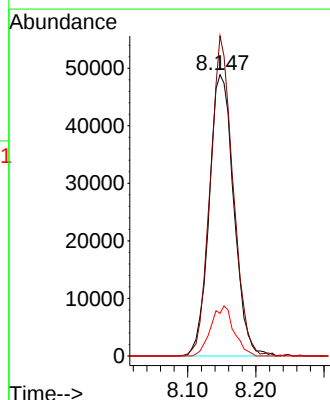
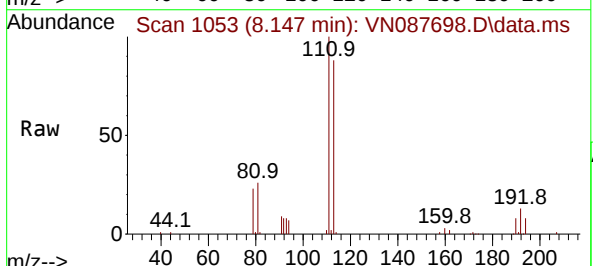
Tgt Ion:113 Resp: 122584

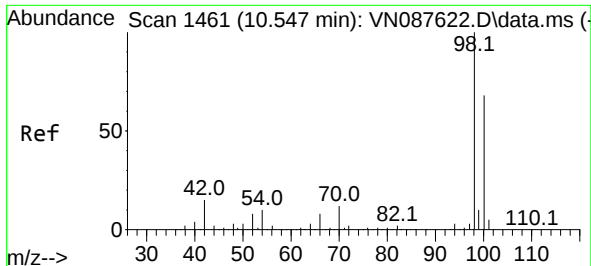
Ion Ratio Lower Upper

113 100

111 105.4 82.8 124.2

192 16.7 12.8 19.2

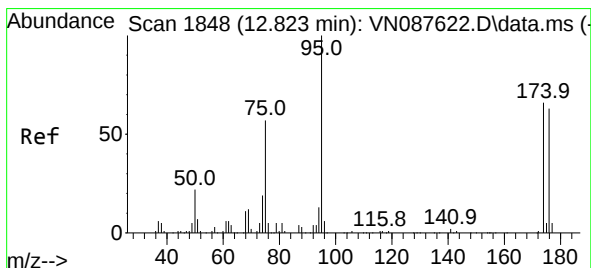
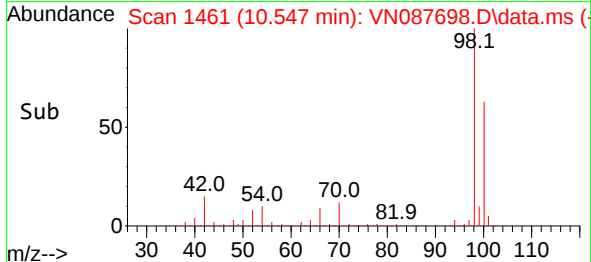
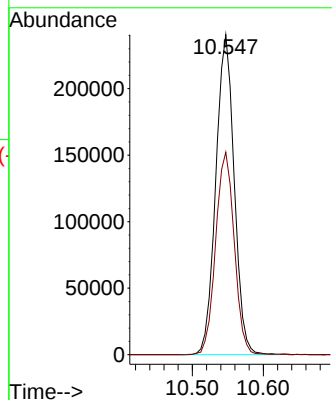
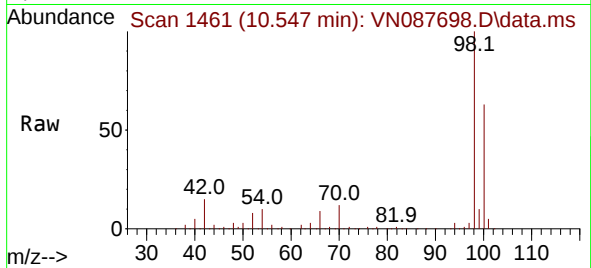




#50  
Toluene-d8  
Concen: 46.736 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: VN087698.D  
Acq: 29 Aug 2025 14:18

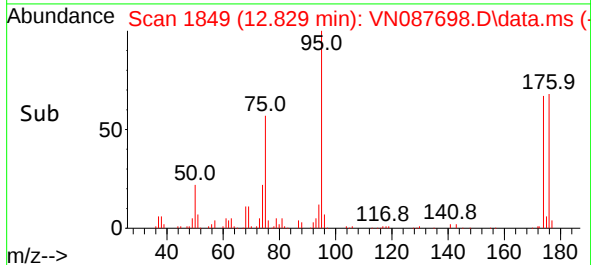
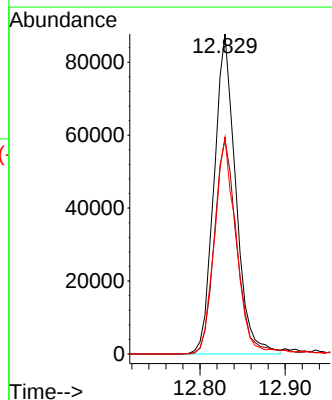
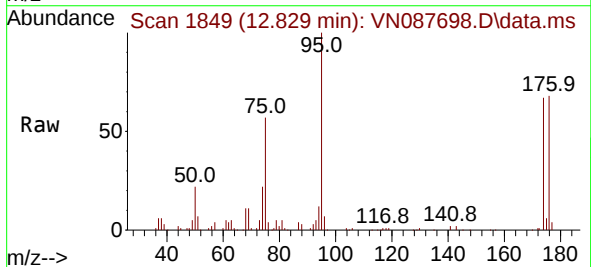
Instrument :  
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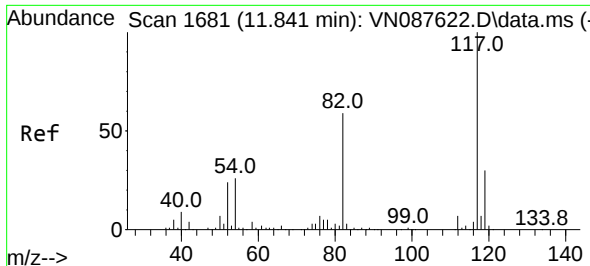
Tgt Ion: 98 Resp: 431806  
Ion Ratio Lower Upper  
98 100  
100 63.9 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 47.326 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.006 min  
Lab File: VN087698.D  
Acq: 29 Aug 2025 14:18

Tgt Ion: 95 Resp: 155502  
Ion Ratio Lower Upper  
95 100  
174 69.5 0.0 138.4  
176 67.8 0.0 132.6

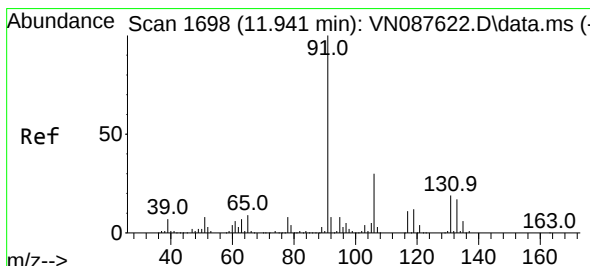
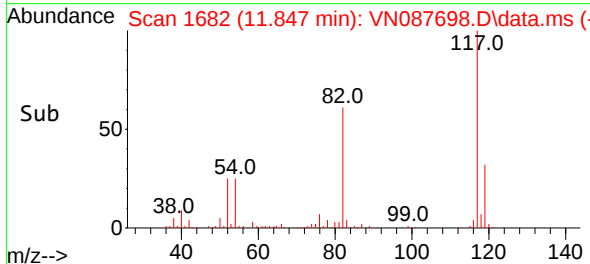
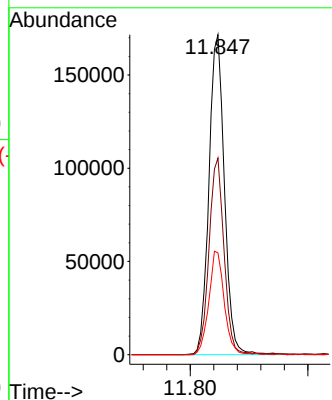
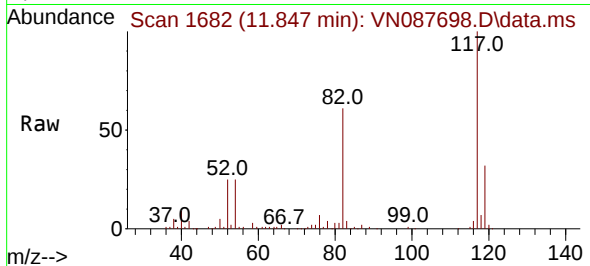




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.847 min Scan# 1681  
Delta R.T. 0.006 min  
Lab File: VN087698.D  
Acq: 29 Aug 2025 14:18

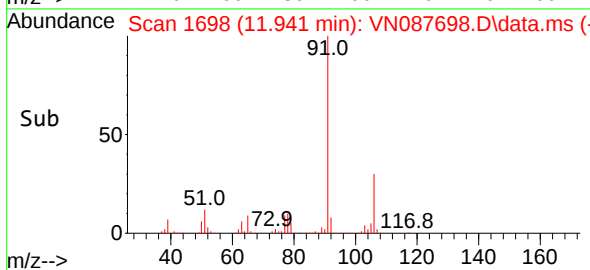
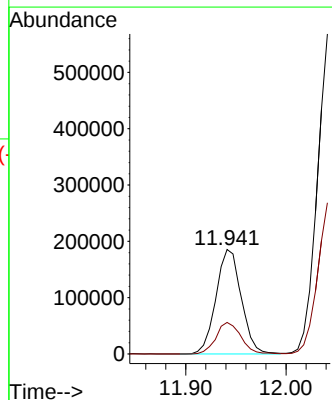
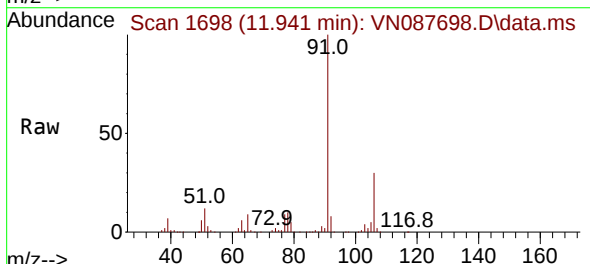
Instrument :  
MSVOA\_N  
ClientSampleId :  
RPXY1RDL

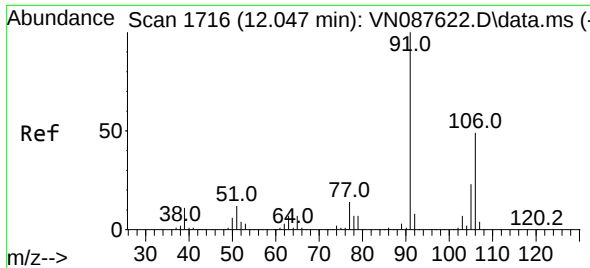
Tgt Ion:117 Resp: 313398  
Ion Ratio Lower Upper  
117 100  
82 61.5 47.4 71.2  
119 31.8 24.3 36.5



#67  
Ethyl Benzene  
Concen: 24.033 ug/l  
RT: 11.941 min Scan# 1698  
Delta R.T. -0.000 min  
Lab File: VN087698.D  
Acq: 29 Aug 2025 14:18

Tgt Ion: 91 Resp: 324437  
Ion Ratio Lower Upper  
91 100  
106 30.2 24.1 36.1

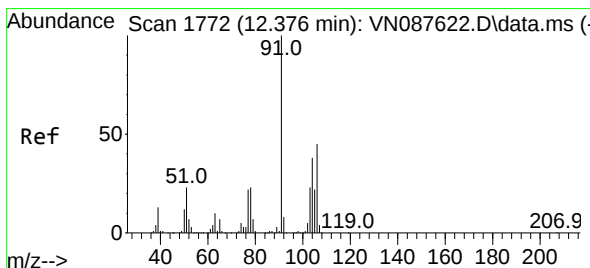
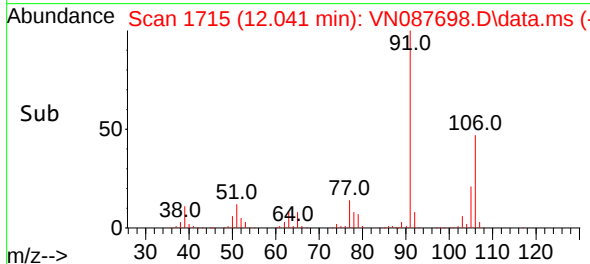
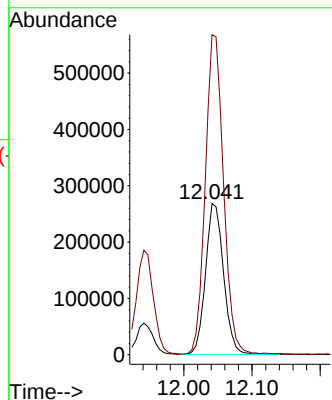
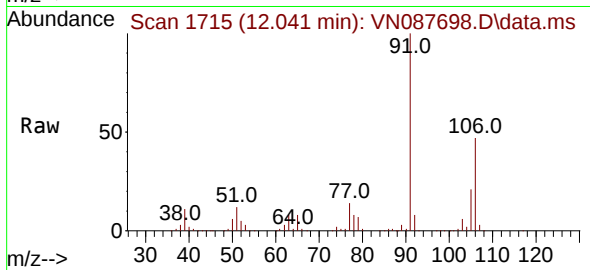




#68  
m/p-Xylenes  
Concen: 99.643 ug/l  
RT: 12.041 min Scan# 1715  
Delta R.T. -0.006 min  
Lab File: VN087698.D  
Acq: 29 Aug 2025 14:18

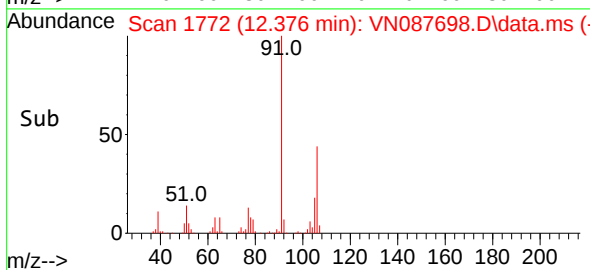
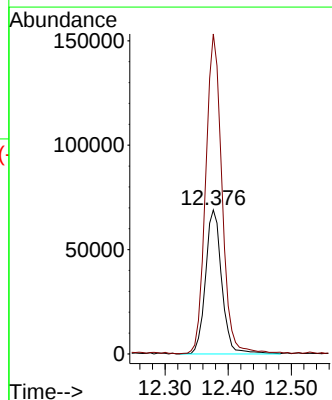
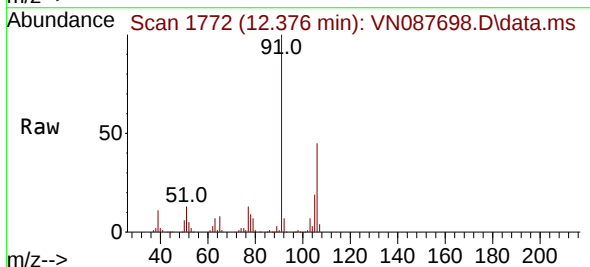
Instrument :  
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ClientSampleId :  
RPXY1RDL

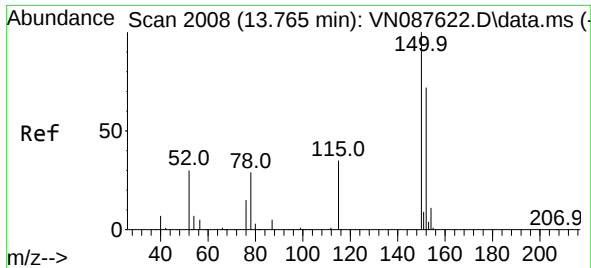
Tgt Ion:106 Resp: 493325  
Ion Ratio Lower Upper  
106 100  
91 213.1 169.3 253.9



#69  
o-Xylene  
Concen: 25.437 ug/l  
RT: 12.376 min Scan# 1772  
Delta R.T. -0.000 min  
Lab File: VN087698.D  
Acq: 29 Aug 2025 14:18

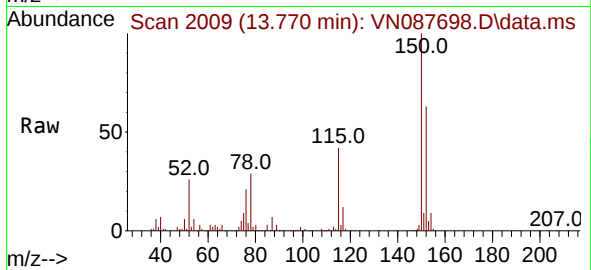
Tgt Ion:106 Resp: 123419  
Ion Ratio Lower Upper  
106 100  
91 222.6 111.4 334.2





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.770 min Scan# 20  
 Delta R.T. 0.006 min  
 Lab File: VN087698.D  
 Acq: 29 Aug 2025 14:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RPXY1RDL



Tgt Ion:152 Resp: 145966  
 Ion Ratio Lower Upper  
 152 100  
 115 64.5 32.3 96.8  
 150 156.8 0.0 351.0

