

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061625\  
 Data File : VN087022.D  
 Acq On : 16 Jun 2025 12:01  
 Operator : JC\MD  
 Sample : Q2286-03 50X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LAW-25-0084

Quant Time: Jun 17 07:20:48 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 07 02:12:50 2025  
 Response via : Initial Calibration

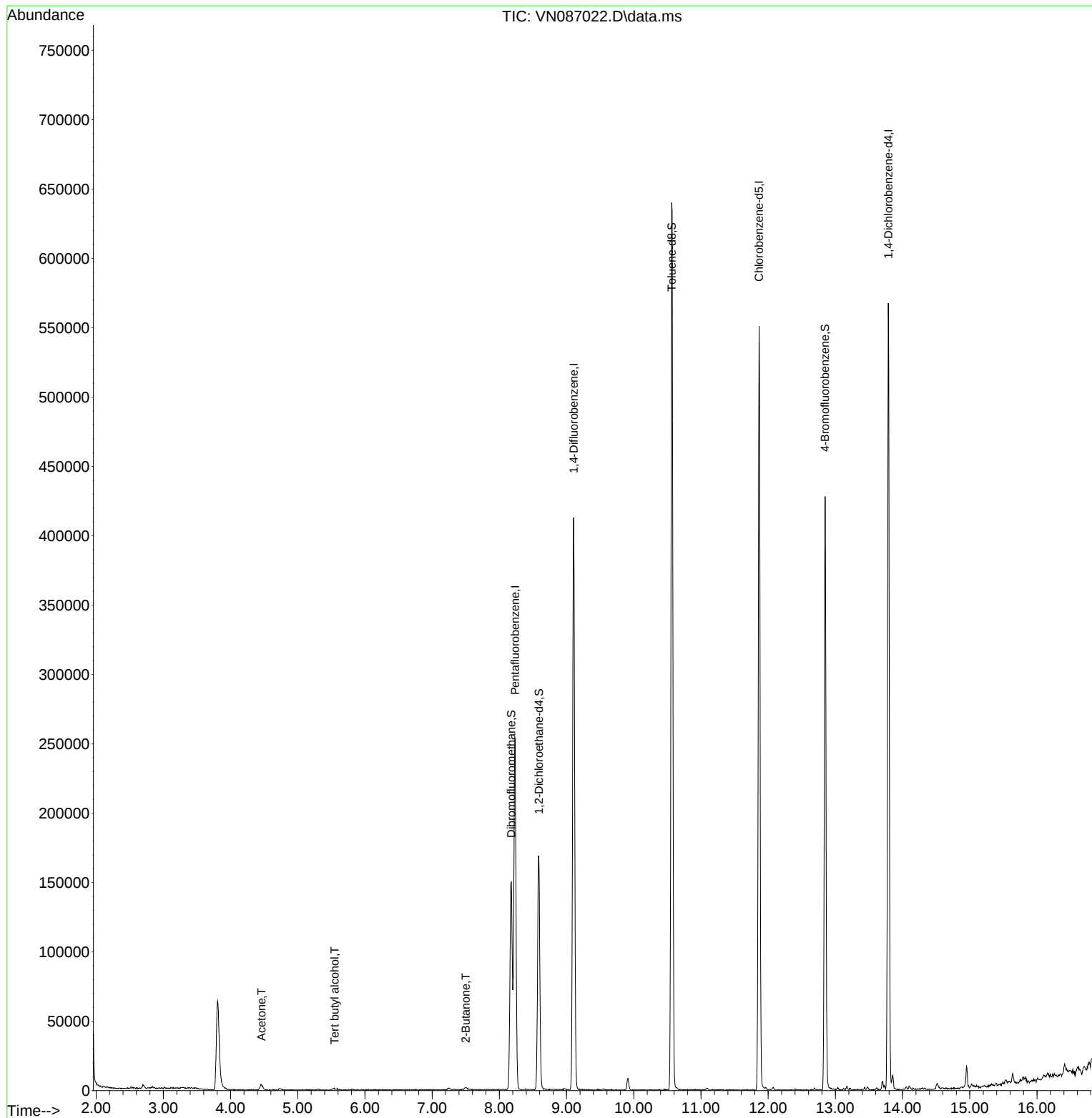
| Compound                    | R.T. QIon |                | Response | Conc       | Units | Dev(Min) |
|-----------------------------|-----------|----------------|----------|------------|-------|----------|
| -----                       |           |                |          |            |       |          |
| Internal Standards          |           |                |          |            |       |          |
| 1) Pentafluorobenzene       | 8.235     | 168            | 202877   | 50.000     | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106     | 114            | 391966   | 50.000     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.865    | 117            | 350229   | 50.000     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788    | 152            | 167277   | 50.000     | ug/l  | 0.00     |
| System Monitoring Compounds |           |                |          |            |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.588     | 65             | 139834   | 51.480     | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range 74 - 125 | Recovery | = 102.960% |       |          |
| 35) Dibromofluoromethane    | 8.177     | 113            | 120397   | 51.831     | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range 75 - 124 | Recovery | = 103.660% |       |          |
| 50) Toluene-d8              | 10.565    | 98             | 482421   | 52.462     | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range 86 - 113 | Recovery | = 104.920% |       |          |
| 62) 4-Bromofluorobenzene    | 12.847    | 95             | 171136   | 50.092     | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range 77 - 121 | Recovery | = 100.180% |       |          |
| Target Compounds            |           |                |          |            |       |          |
|                             |           |                |          |            |       | Qvalue   |
| 11) Tert butyl alcohol      | 5.547     | 59             | 3034     | 4.116      | ug/l  | # 73     |
| 16) Acetone                 | 4.459     | 43             | 8419     | 5.845      | ug/l  | 95       |
| 25) 2-Butanone              | 7.500     | 43             | 3354     | 1.432      | ug/l  | 90       |
| -----                       |           |                |          |            |       |          |

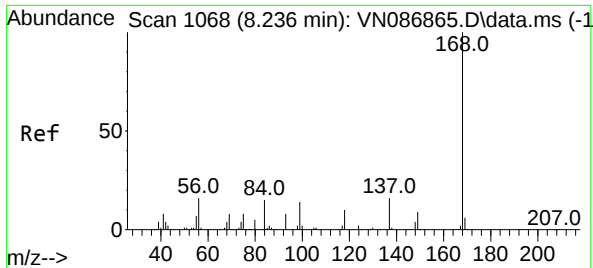
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
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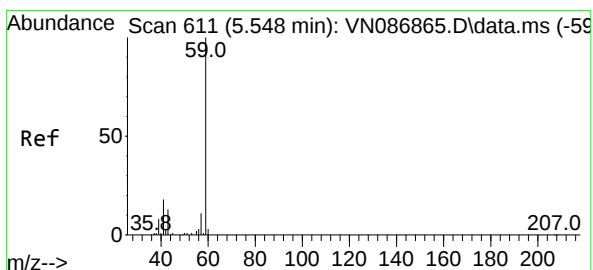
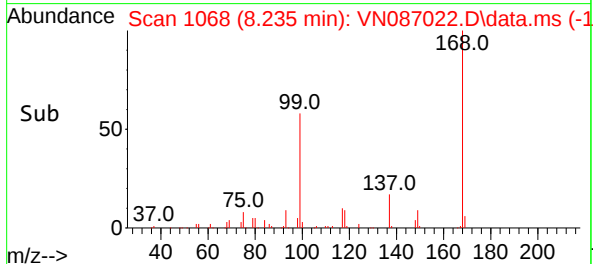
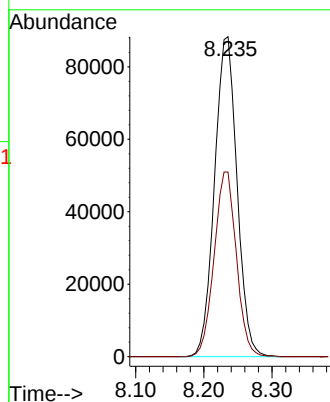
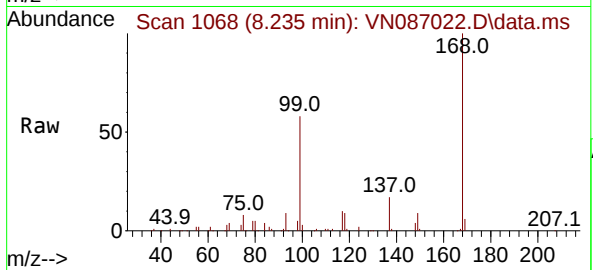




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.235 min Scan# 1068  
Delta R.T. -0.001 min  
Lab File: VN087022.D  
Acq: 16 Jun 2025 12:01

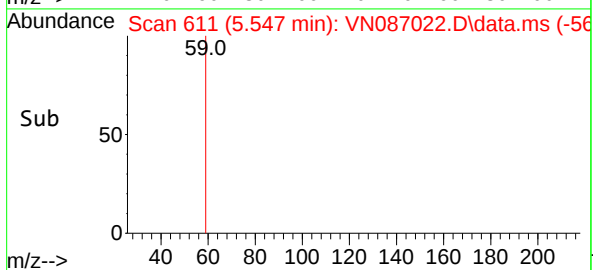
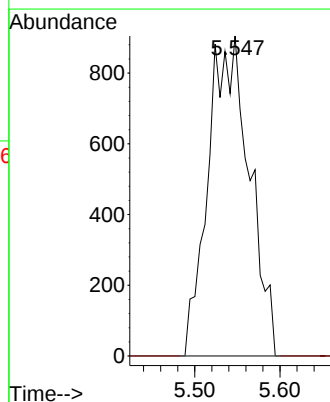
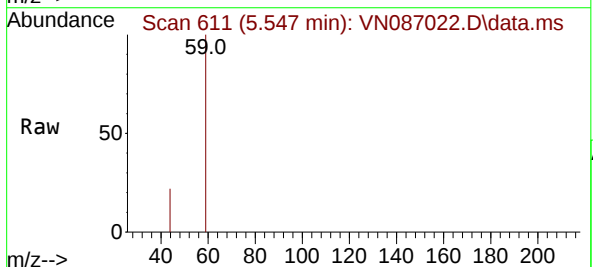
Instrument :  
MSVOA\_N  
ClientSampleId :  
LAW-25-0084

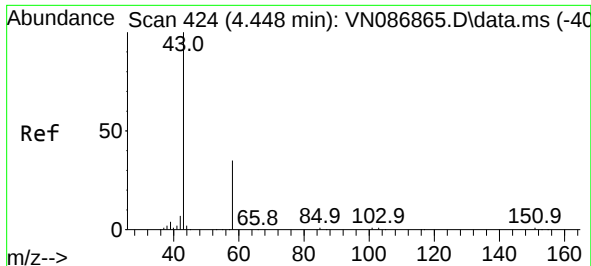
Tgt Ion:168 Resp: 202877  
Ion Ratio Lower Upper  
168 100  
99 57.7 49.1 73.7



#11  
Tert butyl alcohol  
Concen: 4.116 ug/l  
RT: 5.547 min Scan# 611  
Delta R.T. -0.000 min  
Lab File: VN087022.D  
Acq: 16 Jun 2025 12:01

Tgt Ion: 59 Resp: 3034  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.1 12.1#

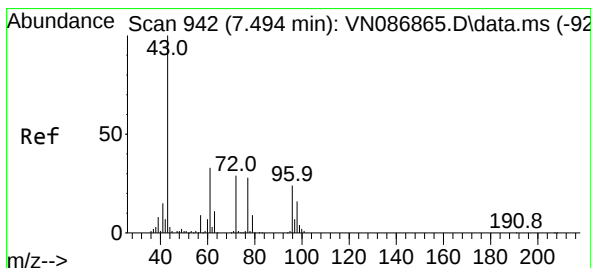
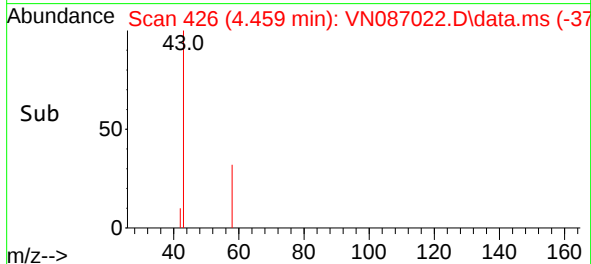
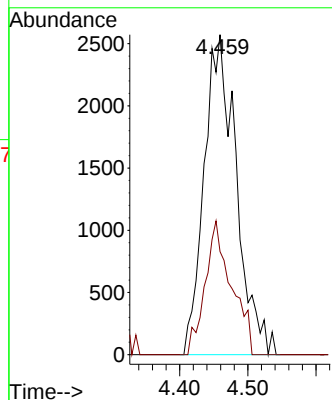
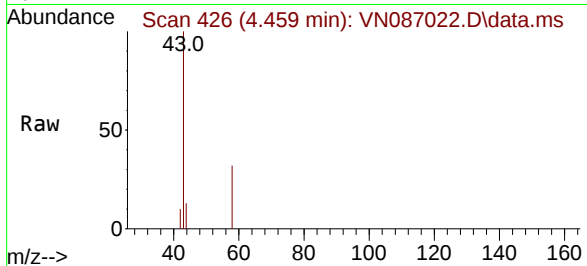




#16  
Acetone  
Concen: 5.845 ug/l  
RT: 4.459 min Scan# 41  
Delta R.T. 0.012 min  
Lab File: VN087022.D  
Acq: 16 Jun 2025 12:01

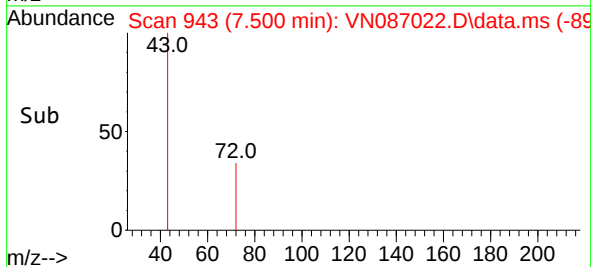
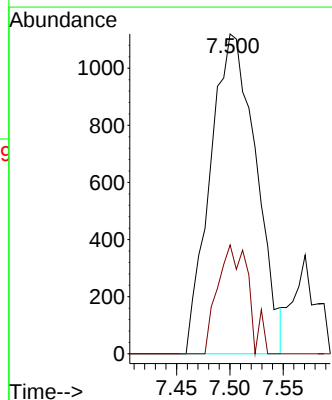
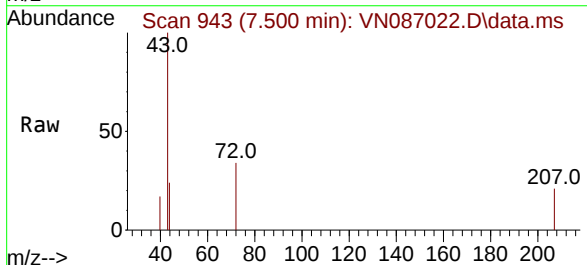
Instrument :  
MSVOA\_N  
ClientSampleId :  
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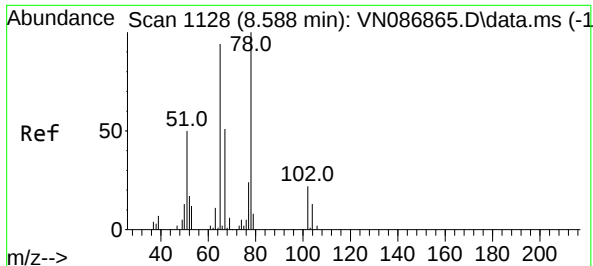
Tgt Ion: 43 Resp: 8419  
Ion Ratio Lower Upper  
43 100  
58 32.2 28.0 42.0



#25  
2-Butanone  
Concen: 1.432 ug/l  
RT: 7.500 min Scan# 943  
Delta R.T. 0.006 min  
Lab File: VN087022.D  
Acq: 16 Jun 2025 12:01

Tgt Ion: 43 Resp: 3354  
Ion Ratio Lower Upper  
43 100  
72 34.0 23.0 34.6





#33

1,2-Dichloroethane-d4

Concen: 51.480 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087022.D

Acq: 16 Jun 2025 12:01

Instrument :

MSVOA\_N

ClientSampleId :

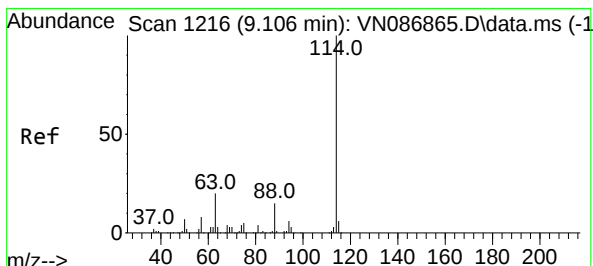
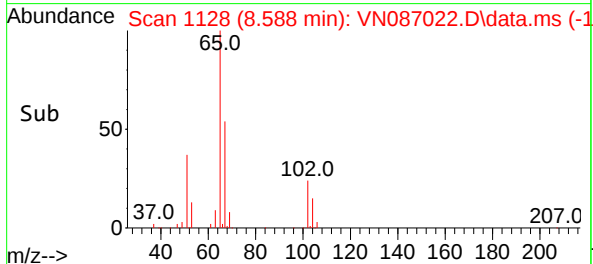
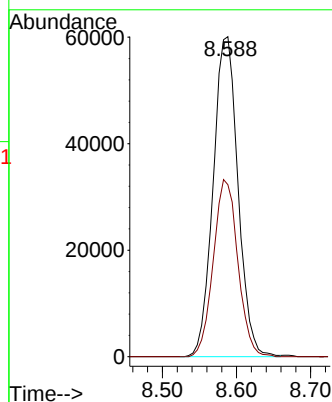
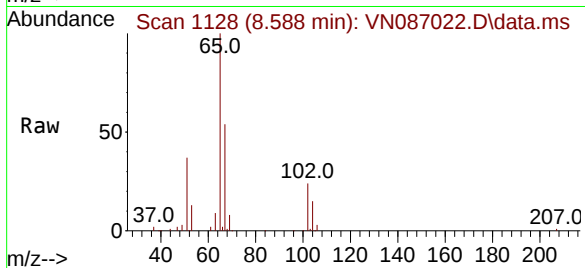
LAW-25-0084

Tgt Ion: 65 Resp: 139834

Ion Ratio Lower Upper

65 100

67 54.7 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087022.D

Acq: 16 Jun 2025 12:01

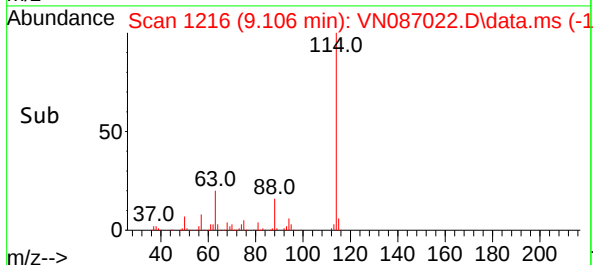
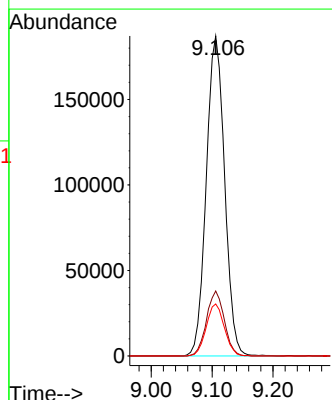
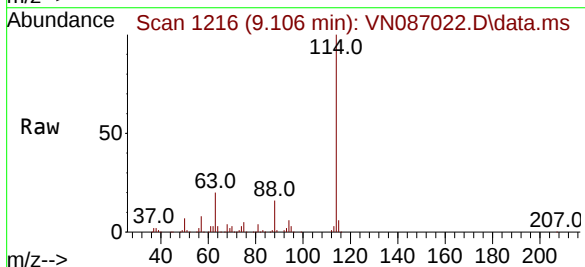
Tgt Ion: 114 Resp: 391966

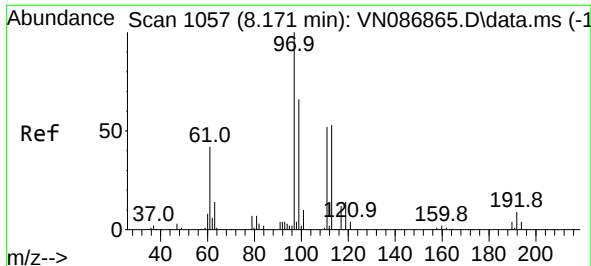
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.6

88 16.3 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.831 ug/l

RT: 8.177 min Scan# 113

Delta R.T. 0.006 min

Lab File: VN087022.D

Acq: 16 Jun 2025 12:01

Instrument :

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ClientSampleId :

LAW-25-0084

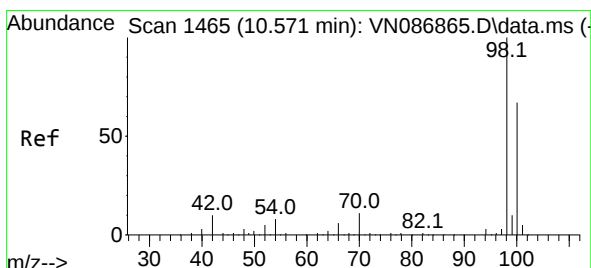
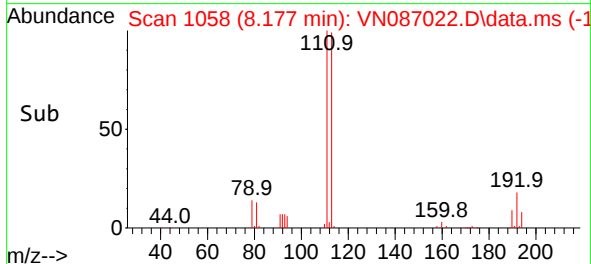
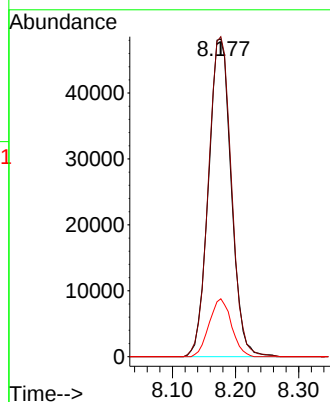
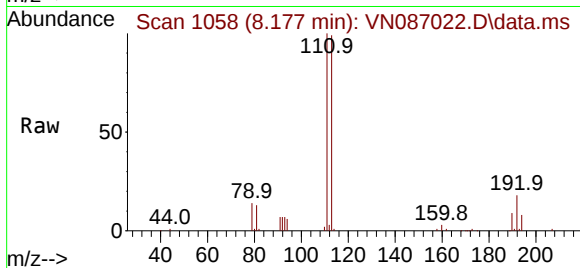
Tgt Ion:113 Resp: 120397

Ion Ratio Lower Upper

113 100

111 101.4 84.2 126.2

192 17.9 14.2 21.4



#50

Toluene-d8

Concen: 52.462 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN087022.D

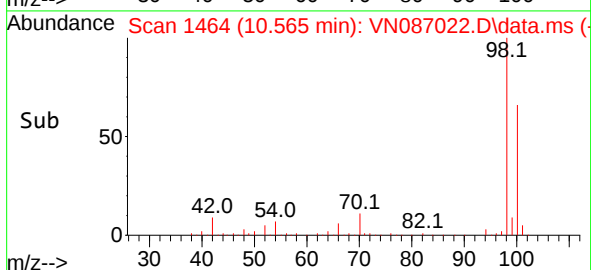
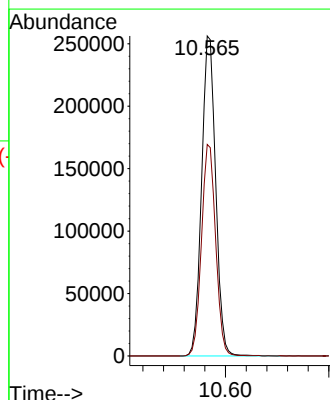
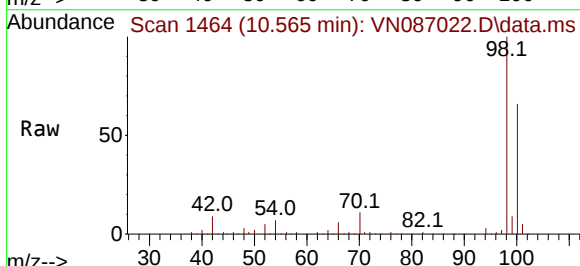
Acq: 16 Jun 2025 12:01

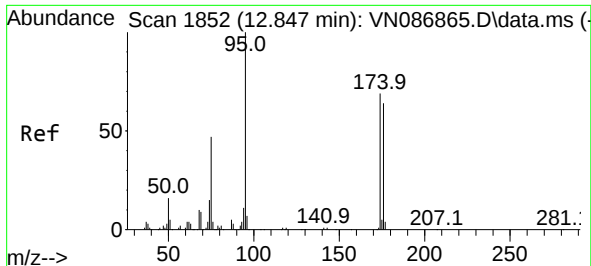
Tgt Ion: 98 Resp: 482421

Ion Ratio Lower Upper

98 100

100 66.7 53.4 80.0

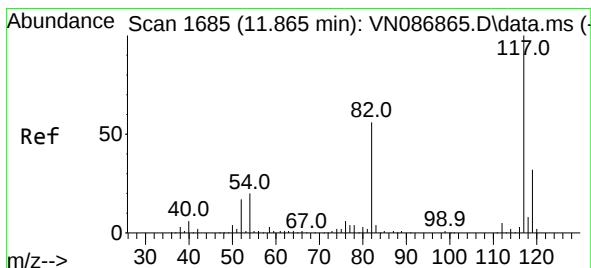
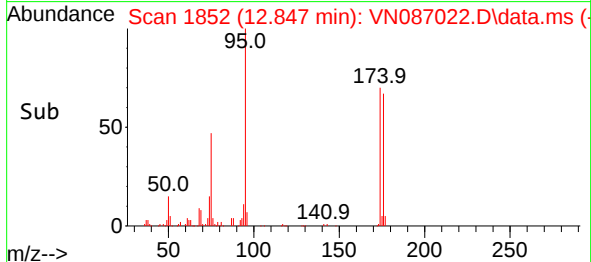
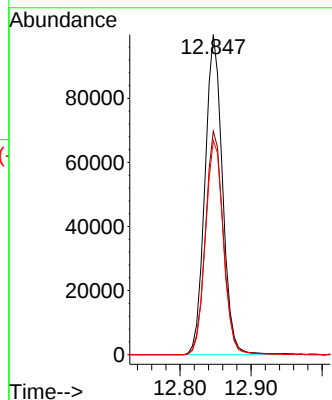
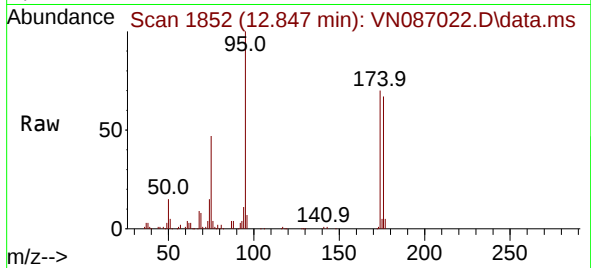




#62  
4-Bromofluorobenzene  
Concen: 50.092 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN087022.D  
Acq: 16 Jun 2025 12:01

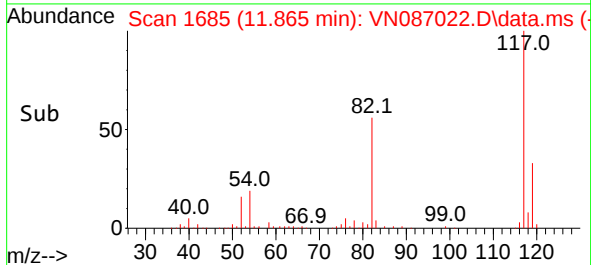
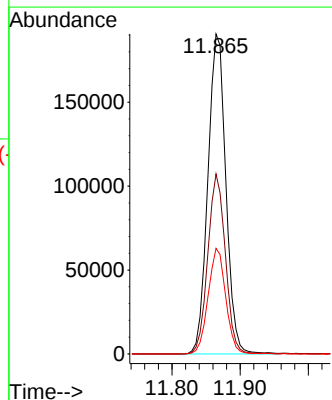
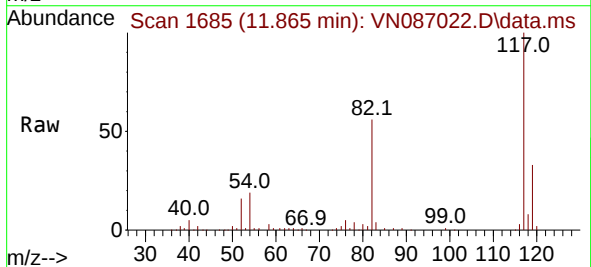
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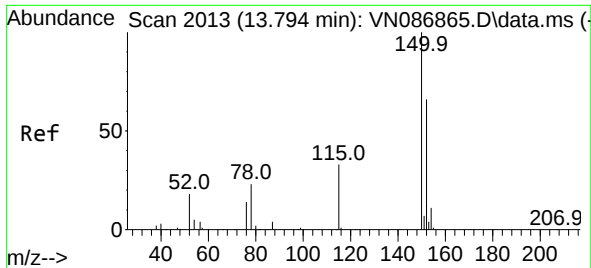
Tgt Ion: 95 Resp: 171136  
Ion Ratio Lower Upper  
95 100  
174 71.4 0.0 141.8  
176 68.7 0.0 132.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN087022.D  
Acq: 16 Jun 2025 12:01

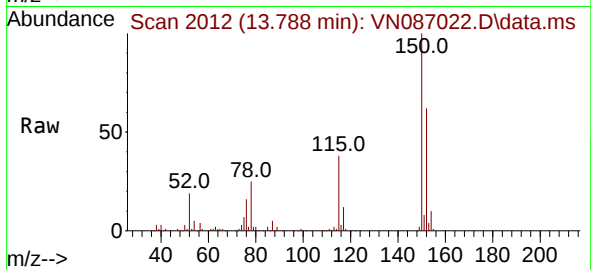
Tgt Ion: 117 Resp: 350229  
Ion Ratio Lower Upper  
117 100  
82 56.3 44.6 67.0  
119 33.0 25.5 38.3





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.788 min Scan# 20  
 Delta R.T. -0.006 min  
 Lab File: VN087022.D  
 Acq: 16 Jun 2025 12:01

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LAW-25-0084



Tgt Ion:152 Resp: 167277  
 Ion Ratio Lower Upper  
 152 100  
 115 59.6 30.1 90.5  
 150 159.5 0.0 345.0

