

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122023\  
 Data File : VN080547.D  
 Acq On : 20 Dec 2023 15:20  
 Operator : JC\MD  
 Sample : 05863-02 50X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 NWB-1987

Quant Time: Dec 21 02:43:02 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121223W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 13 01:57:14 2023  
 Response via : Initial Calibration

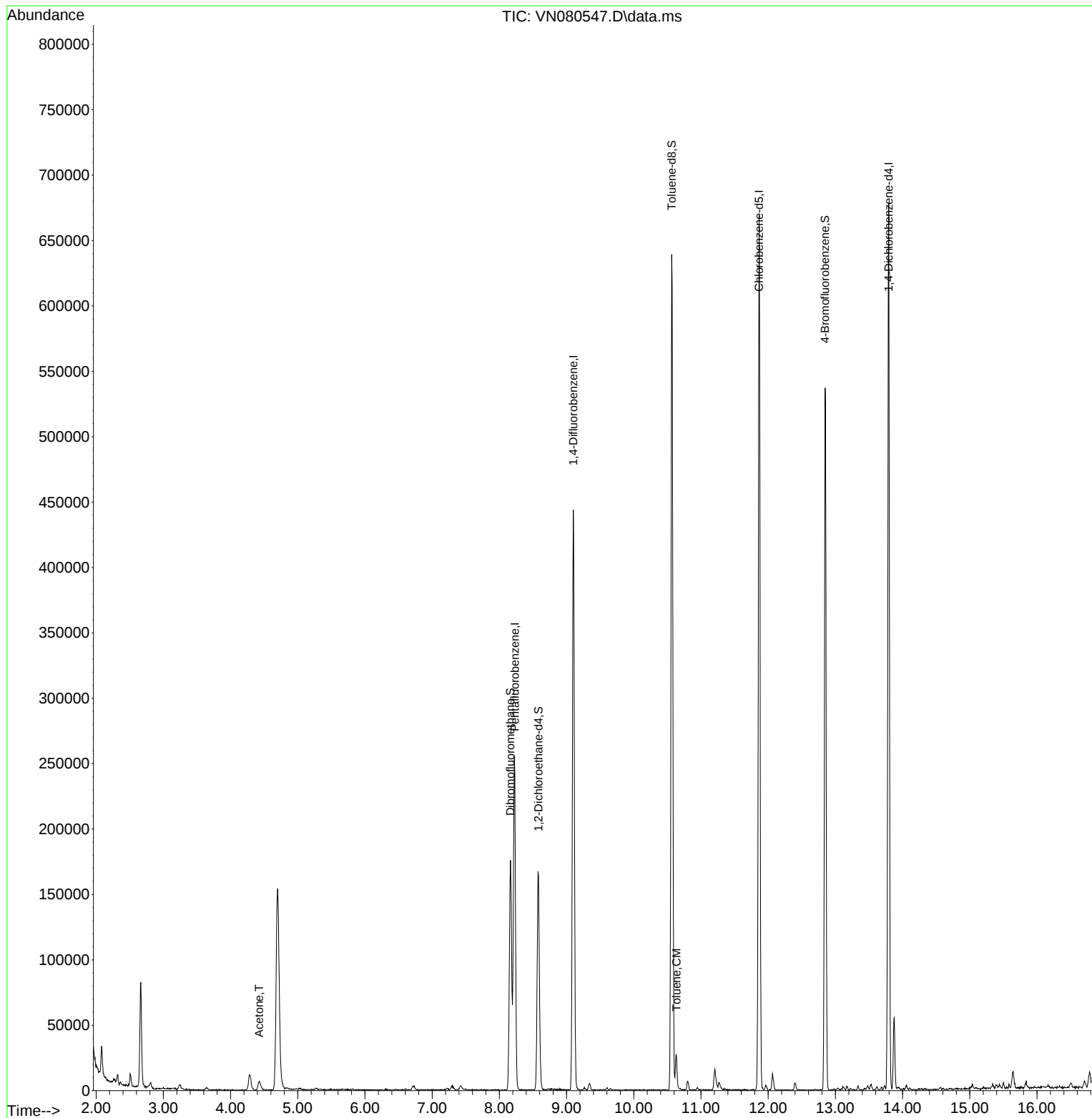
| Compound                    | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------------|----------|
| -----                       |        |       |          |          |             |          |
| Internal Standards          |        |       |          |          |             |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 178611   | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 351899   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 384025   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 182158   | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 147185   | 64.519   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 129.040%# |          |
| 35) Dibromofluoromethane    | 8.165  | 113   | 124259   | 55.692   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 111.380%  |          |
| 50) Toluene-d8              | 10.565 | 98    | 455010   | 54.681   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 109.360%  |          |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 193296   | 61.174   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 122.340%  |          |
| Target Compounds            |        |       |          |          |             |          |
|                             |        |       |          |          |             | Qvalue   |
| 16) Acetone                 | 4.424  | 43    | 12140    | 30.013   | ug/l        | 90       |
| 52) Toluene                 | 10.635 | 92    | 11530    | 1.733    | ug/l        | 99       |
| -----                       |        |       |          |          |             |          |

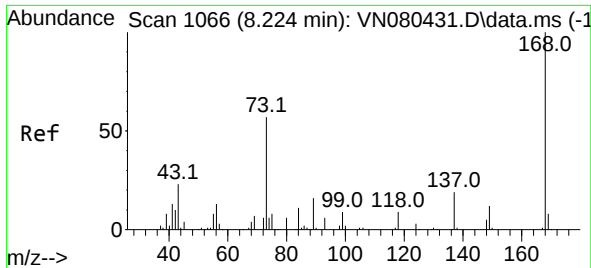
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Dec 13 01:57:14 2023  
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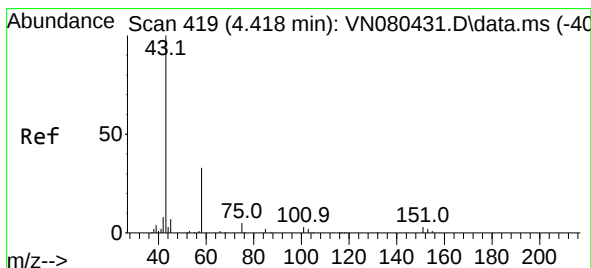
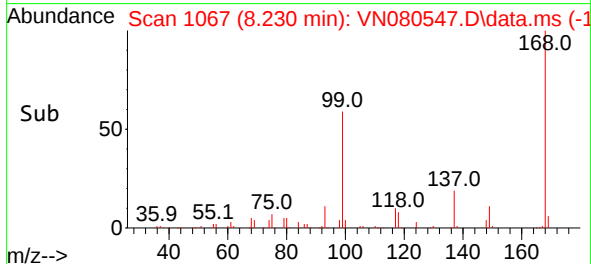
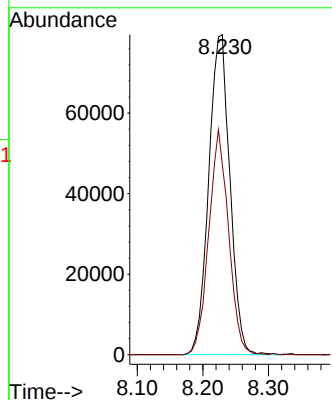
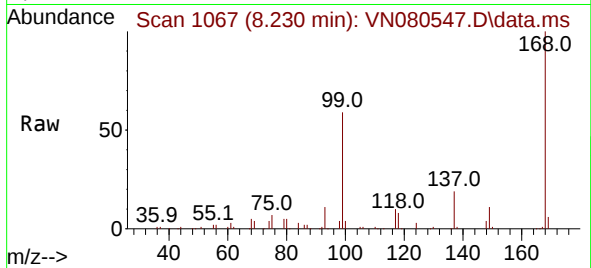




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VN080547.D  
Acq: 20 Dec 2023 15:20

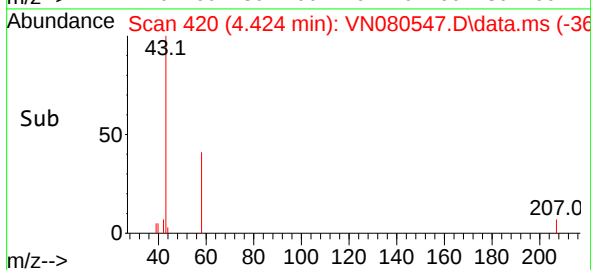
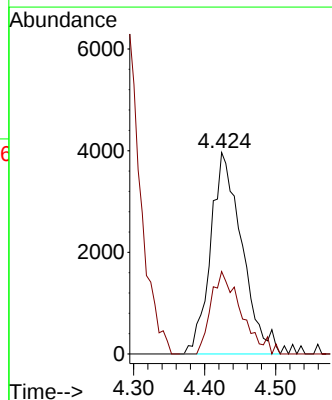
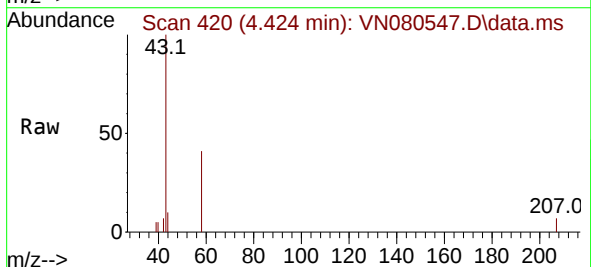
Instrument :  
MSVOA\_N  
ClientSampleId :  
NWB-1987

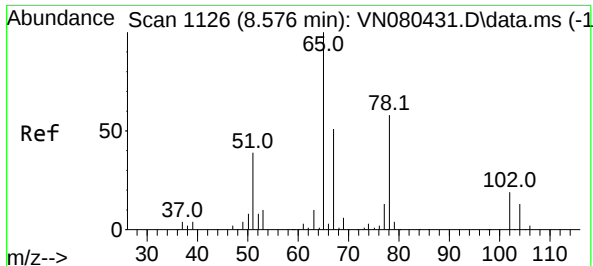
Tgt Ion:168 Resp: 178611  
Ion Ratio Lower Upper  
168 100  
99 59.5 53.0 79.6



#16  
Acetone  
Concen: 30.013 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. 0.006 min  
Lab File: VN080547.D  
Acq: 20 Dec 2023 15:20

Tgt Ion: 43 Resp: 12140  
Ion Ratio Lower Upper  
43 100  
58 40.9 28.0 42.0





#33

1,2-Dichloroethane-d4

Concen: 64.519 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080547.D

Acq: 20 Dec 2023 15:20

Instrument :

MSVOA\_N

ClientSampleId :

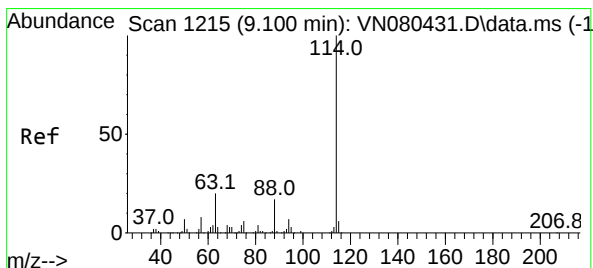
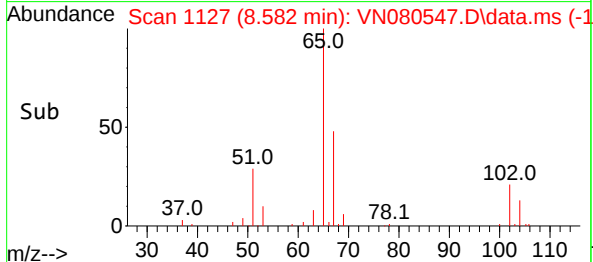
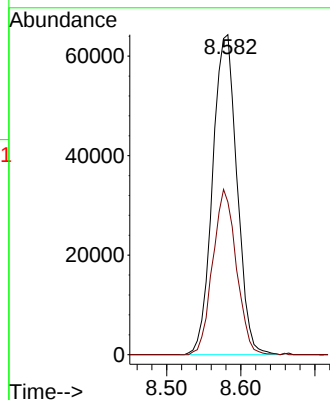
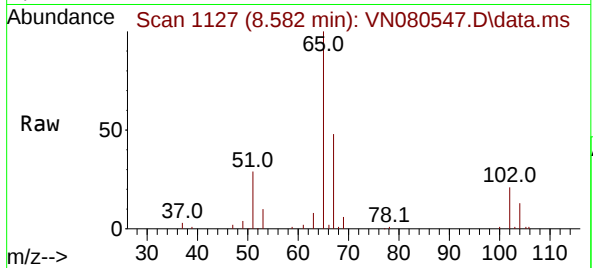
NWB-1987

Tgt Ion: 65 Resp: 147185

Ion Ratio Lower Upper

65 100

67 50.0 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080547.D

Acq: 20 Dec 2023 15:20

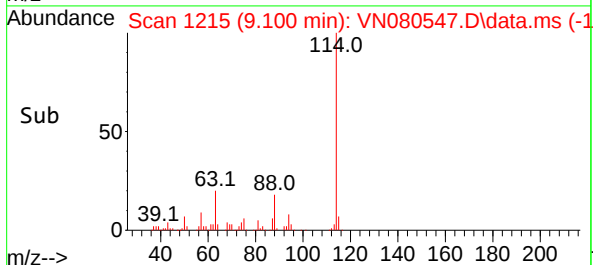
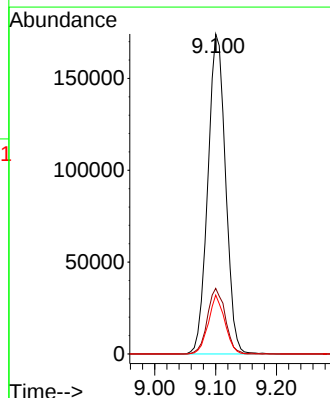
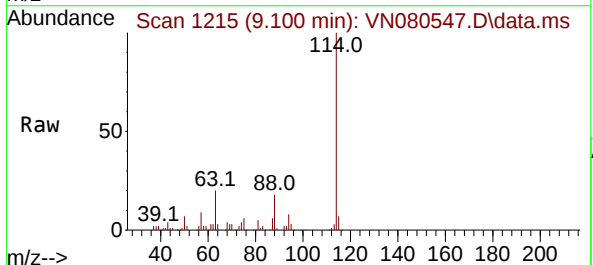
Tgt Ion: 114 Resp: 351899

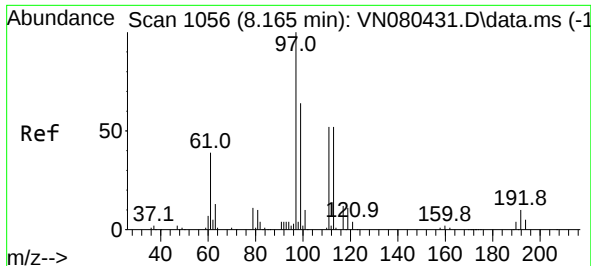
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.4

88 18.4 0.0 30.6

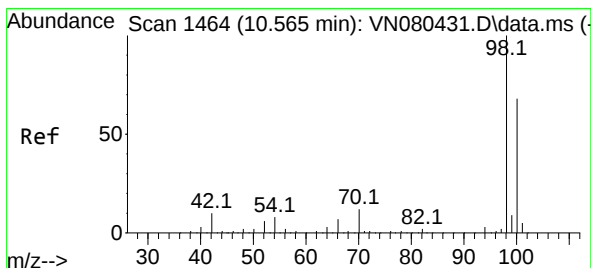
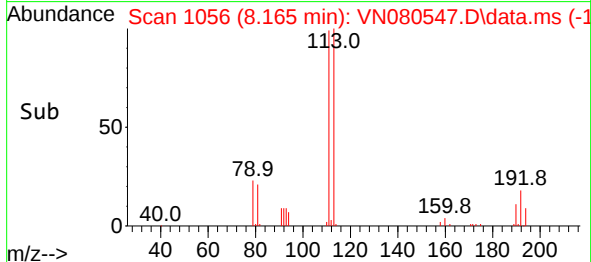
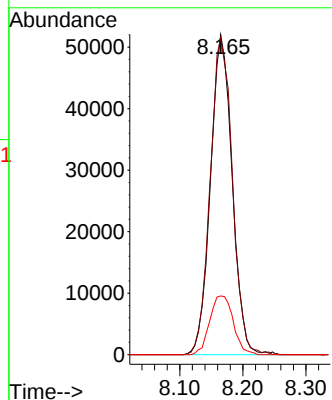
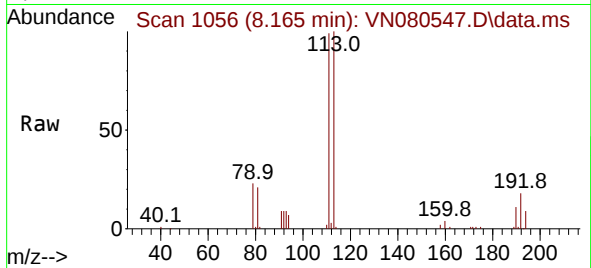




#35  
Dibromofluoromethane  
Concen: 55.692 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN080547.D  
Acq: 20 Dec 2023 15:20

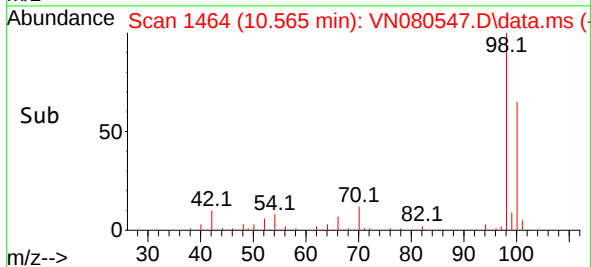
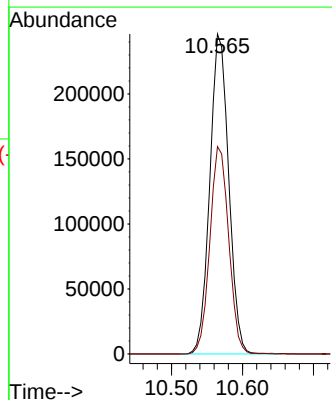
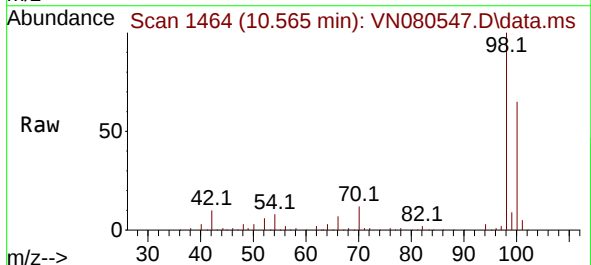
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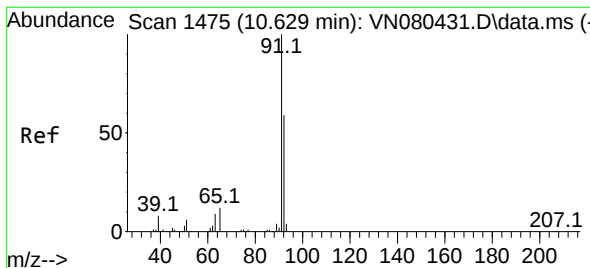
Tgt Ion:113 Resp: 124259  
Ion Ratio Lower Upper  
113 100  
111 101.3 82.6 123.8  
192 19.9 12.7 19.1#



#50  
Toluene-d8  
Concen: 54.681 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN080547.D  
Acq: 20 Dec 2023 15:20

Tgt Ion: 98 Resp: 455010  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.0 78.0





#52

Toluene

Concen: 1.733 ug/l

RT: 10.635 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN080547.D

Acq: 20 Dec 2023 15:20

Instrument :

MSVOA\_N

ClientSampleId :

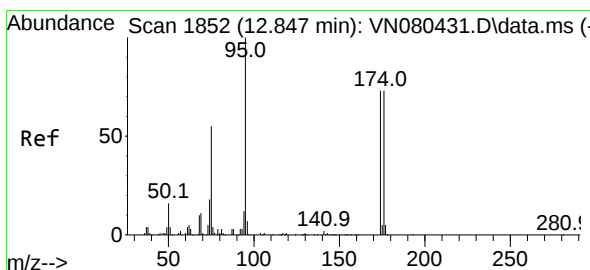
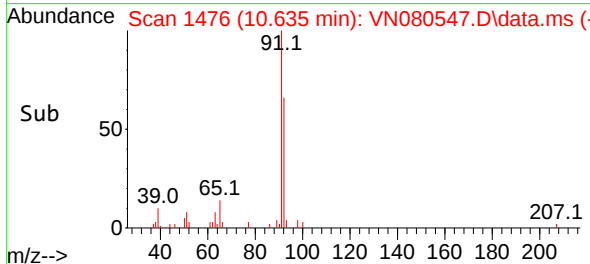
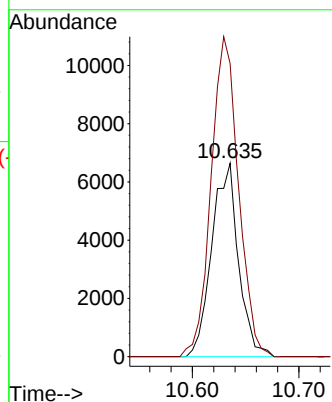
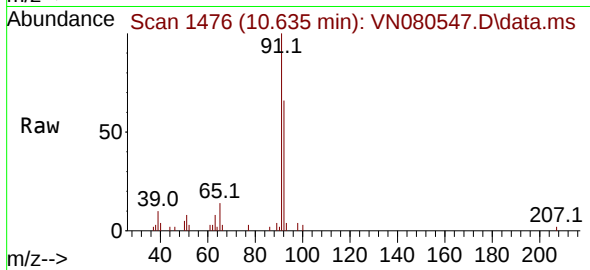
NWB-1987

Tgt Ion: 92 Resp: 11530

Ion Ratio Lower Upper

92 100

91 170.3 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 61.174 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN080547.D

Acq: 20 Dec 2023 15:20

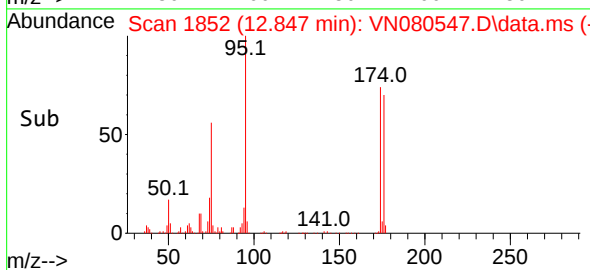
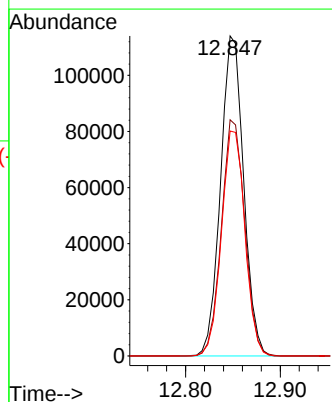
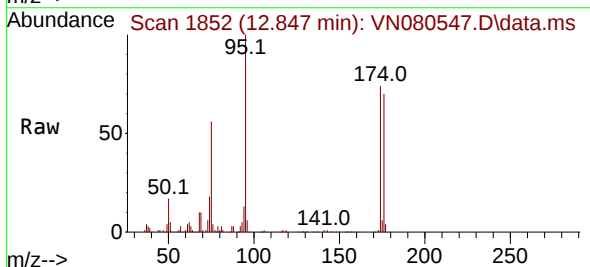
Tgt Ion: 95 Resp: 193296

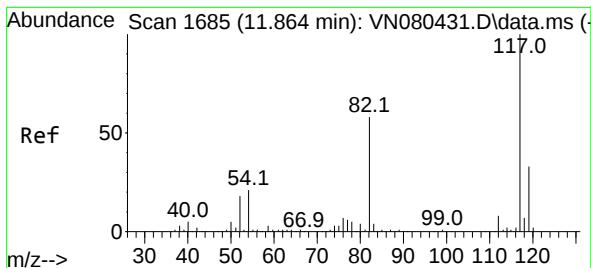
Ion Ratio Lower Upper

95 100

174 74.6 0.0 143.8

176 71.3 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080547.D

Acq: 20 Dec 2023 15:20

Instrument :

MSVOA\_N

ClientSampleId :

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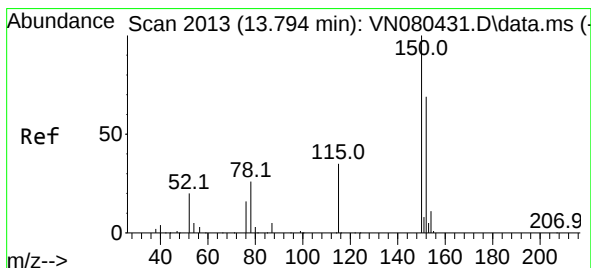
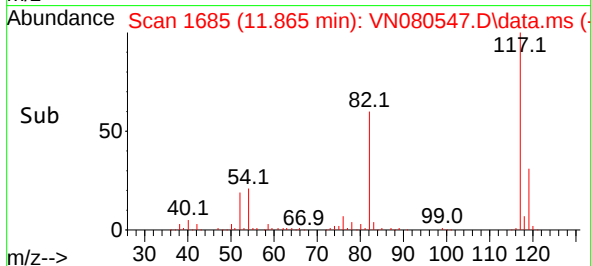
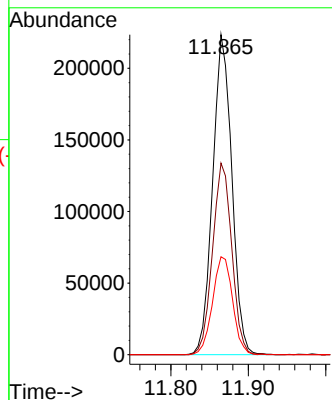
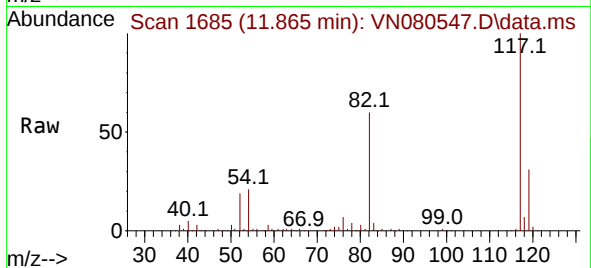
Tgt Ion:117 Resp: 384025

Ion Ratio Lower Upper

117 100

82 59.9 44.0 66.0

119 30.6 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080547.D

Acq: 20 Dec 2023 15:20

Tgt Ion:152 Resp: 182158

Ion Ratio Lower Upper

152 100

115 66.1 32.3 96.8

150 155.5 0.0 355.8

