

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050924\  
 Data File : VN082051.D  
 Acq On : 09 May 2024 15:22  
 Operator : JC\MD  
 Sample : PB160759ZHE#03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB160759ZHE#03

Quant Time: May 10 03:52:18 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042524W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 26 05:26:49 2024  
 Response via : Initial Calibration

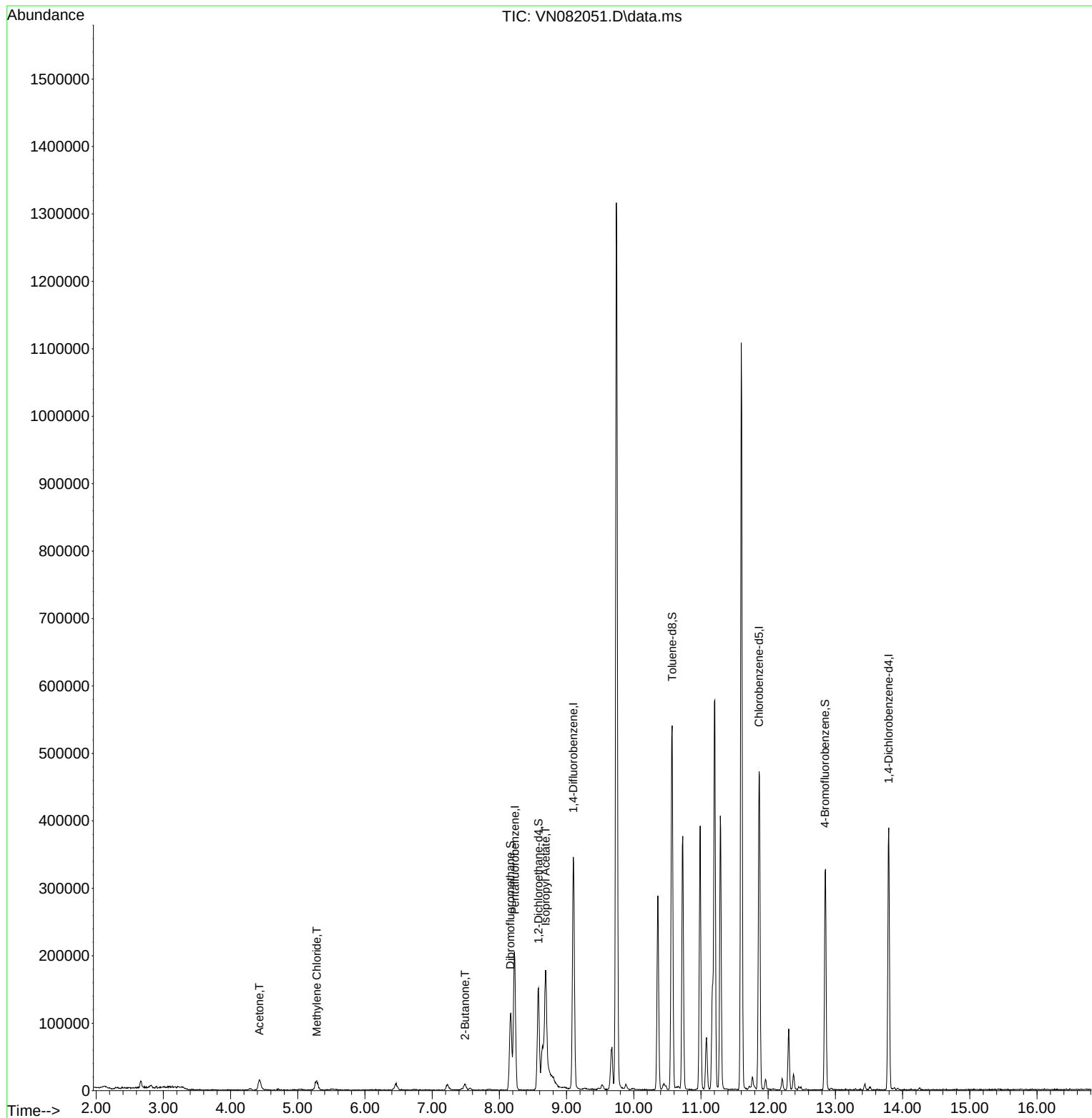
| Compound                    | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|--------|----------------|----------|------------|--------|----------|
| -----                       |        |                |          |            |        |          |
| Internal Standards          |        |                |          |            |        |          |
| 1) Pentafluorobenzene       | 8.229  | 168            | 131203   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114            | 275289   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117            | 251976   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152            | 91035    | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65             | 112383   | 50.752     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 74 - 125 | Recovery | = 101.500% |        |          |
| 35) Dibromofluoromethane    | 8.165  | 113            | 83373    | 50.301     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | = 100.600% |        |          |
| 50) Toluene-d8              | 10.571 | 98             | 360089   | 55.316     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 86 - 113 | Recovery | = 110.640% |        |          |
| 62) 4-Bromofluorobenzene    | 12.847 | 95             | 116593   | 45.309     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 64 - 133 | Recovery | = 90.620%  |        |          |
| Target Compounds            |        |                |          |            |        |          |
|                             |        |                |          |            | Qvalue |          |
| 16) Acetone                 | 4.430  | 43             | 28718    | 39.248     | ug/l   | 100      |
| 20) Methylene Chloride      | 5.283  | 84             | 10368    | 5.463      | ug/l # | 78       |
| 25) 2-Butanone              | 7.488  | 43             | 14799    | 11.775     | ug/l # | 70       |
| 43) Isopropyl Acetate       | 8.688  | 43             | 280521   | 51.172     | ug/l # | 72       |
| -----                       |        |                |          |            |        |          |

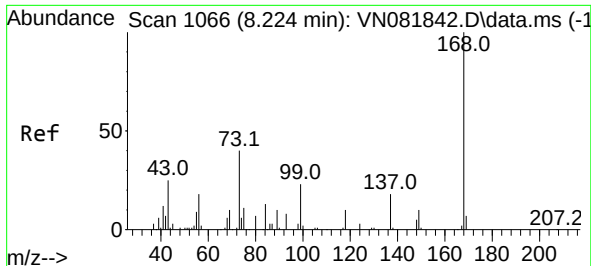
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042524W.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 26 05:26:49 2024  
Response via : Initial Calibration

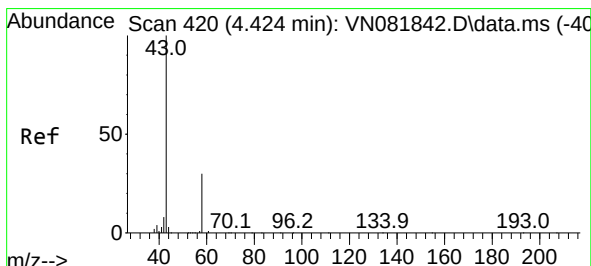
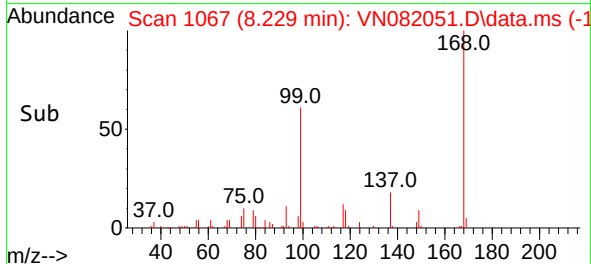
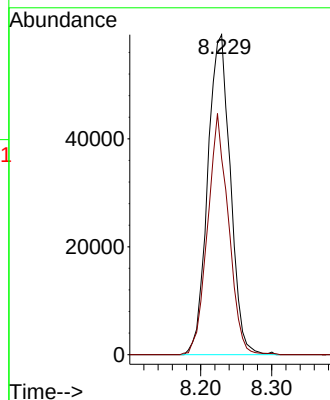
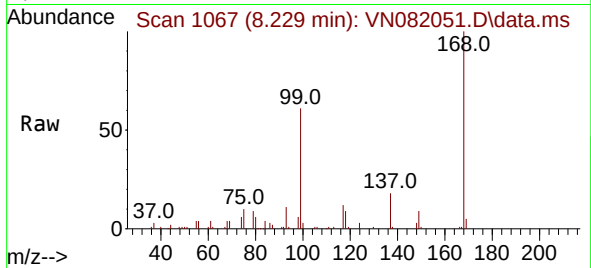




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1066  
Delta R.T. 0.005 min  
Lab File: VN082051.D  
Acq: 09 May 2024 15:22

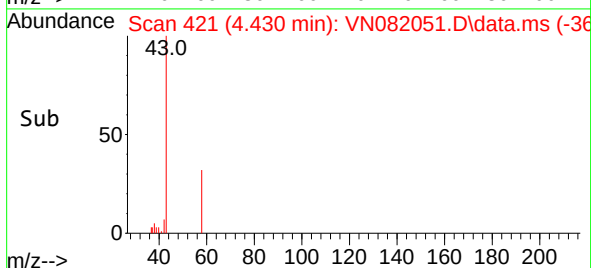
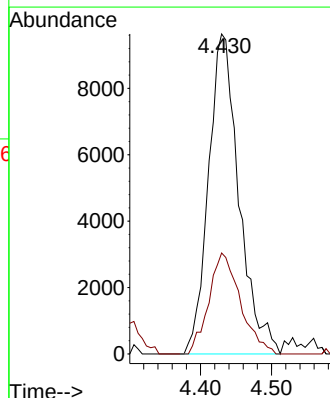
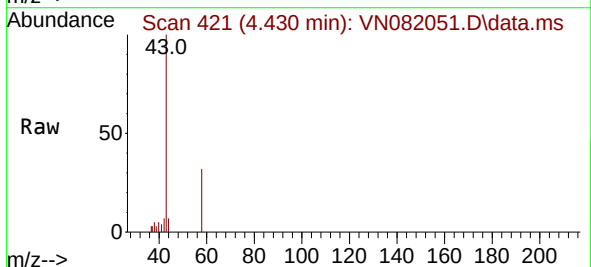
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB160759ZHE#03

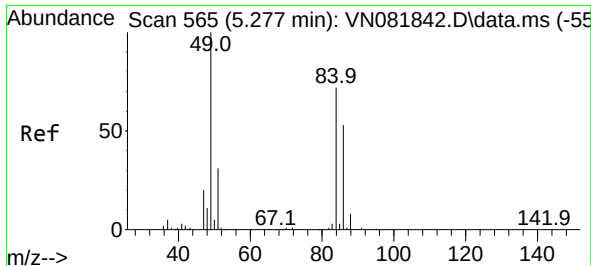
Tgt Ion:168 Resp: 131203  
Ion Ratio Lower Upper  
168 100  
99 61.3 48.2 72.4



#16  
Acetone  
Concen: 39.248 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN082051.D  
Acq: 09 May 2024 15:22

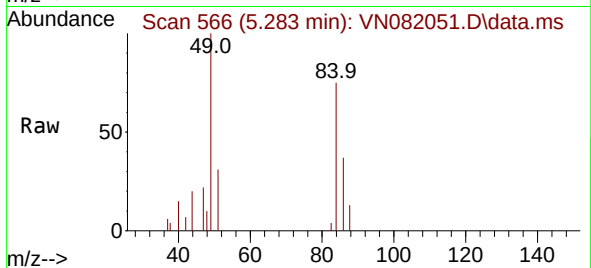
Tgt Ion: 43 Resp: 28718  
Ion Ratio Lower Upper  
43 100  
58 31.5 25.2 37.8



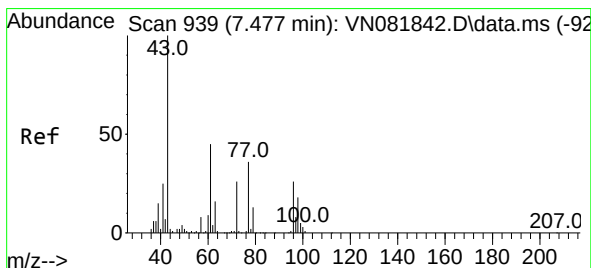
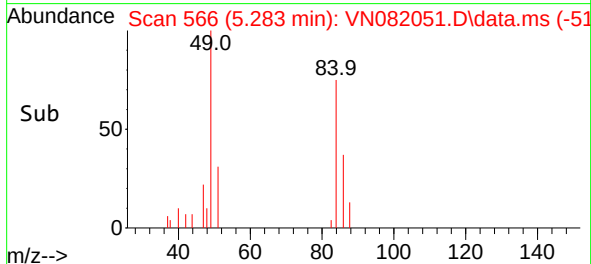
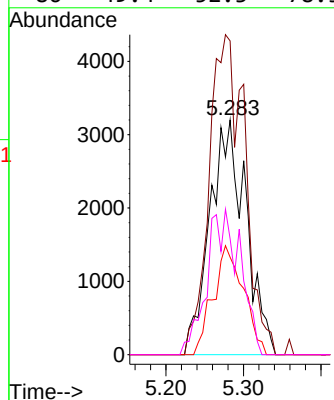


#20  
Methylene Chloride  
Concen: 5.463 ug/l  
RT: 5.283 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN082051.D  
Acq: 09 May 2024 15:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB160759ZHE#03

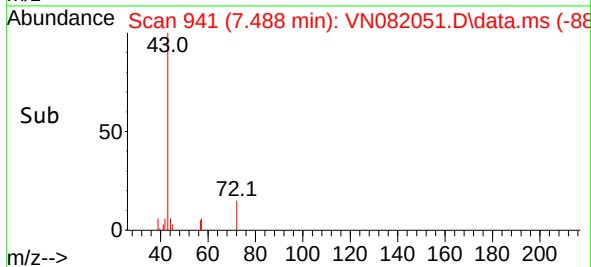
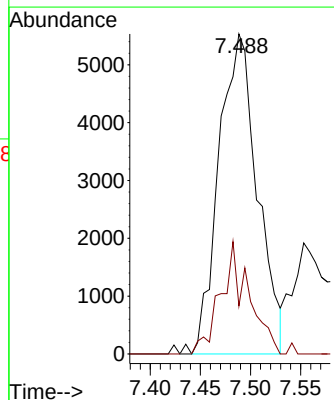
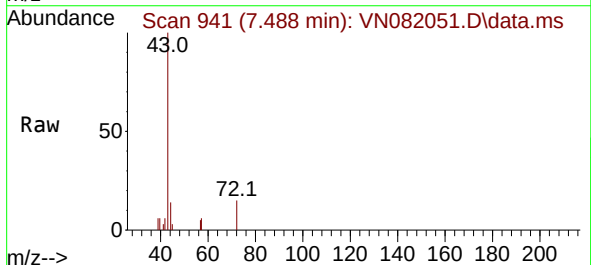


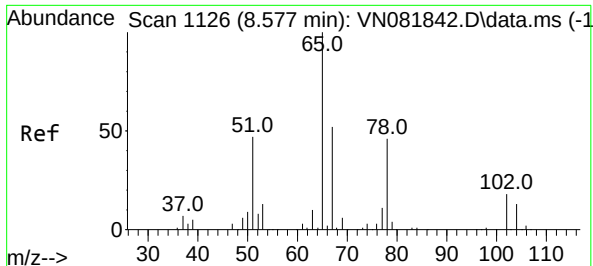
Tgt Ion: 84 Resp: 10368  
Ion Ratio Lower Upper  
84 100  
49 133.7 84.9 127.3#  
51 41.5 27.0 40.6#  
86 49.4 52.3 78.5#



#25  
2-Butanone  
Concen: 11.775 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.012 min  
Lab File: VN082051.D  
Acq: 09 May 2024 15:22

Tgt Ion: 43 Resp: 14799  
Ion Ratio Lower Upper  
43 100  
72 15.0 25.3 37.9#





#33

1,2-Dichloroethane-d4

Concen: 50.752 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082051.D

Acq: 09 May 2024 15:22

Instrument :

MSVOA\_N

ClientSampleId :

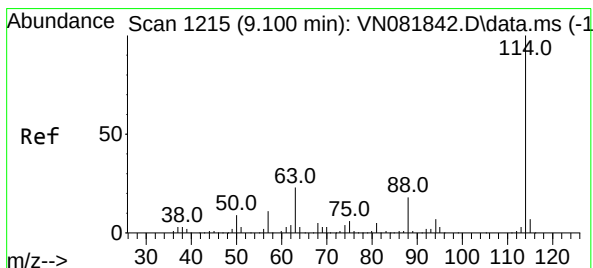
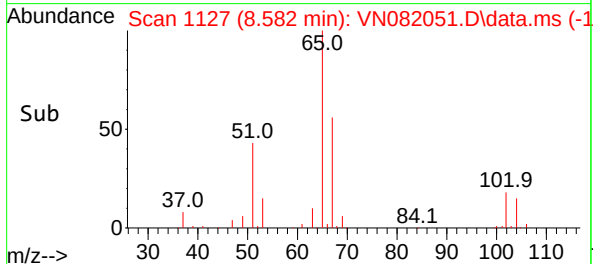
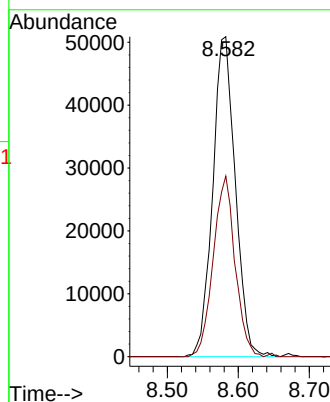
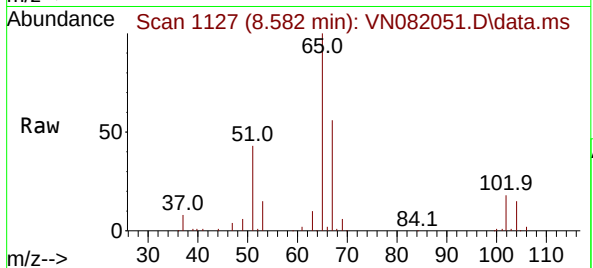
PB160759ZHE#03

Tgt Ion: 65 Resp: 112383

Ion Ratio Lower Upper

65 100

67 54.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN082051.D

Acq: 09 May 2024 15:22

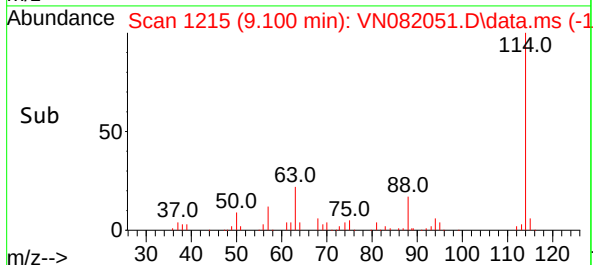
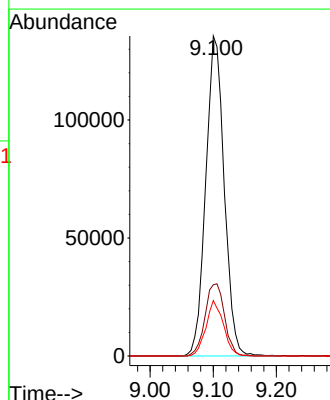
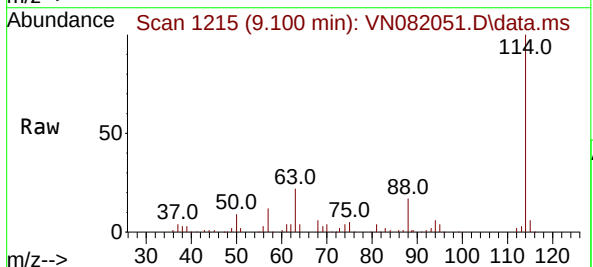
Tgt Ion: 114 Resp: 275289

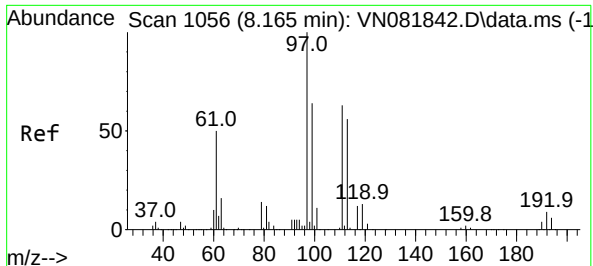
Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.0

88 17.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.301 ug/l

RT: 8.165 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VN082051.D

Acq: 09 May 2024 15:22

Instrument :

MSVOA\_N

ClientSampleId :

PB160759ZHE#03

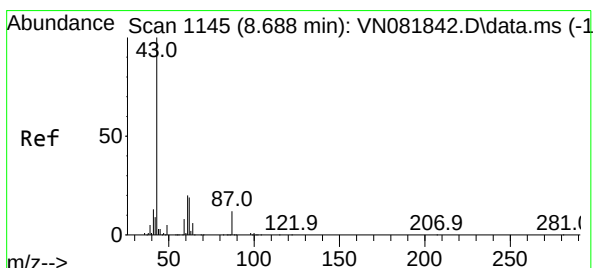
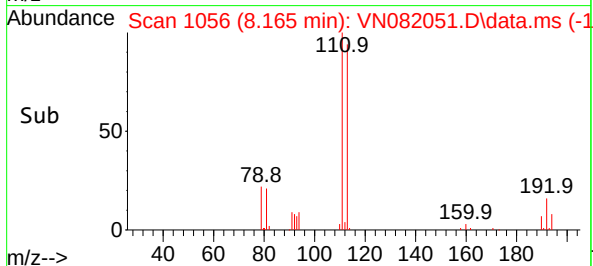
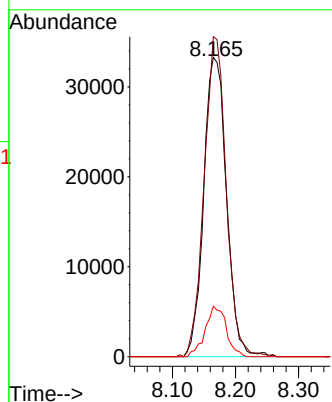
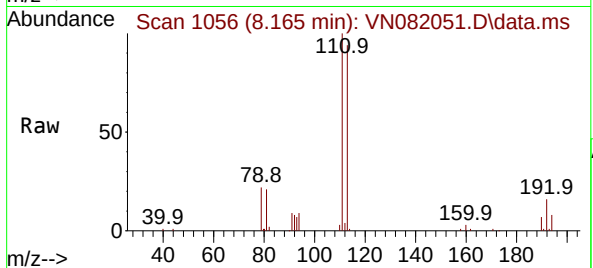
Tgt Ion:113 Resp: 83373

Ion Ratio Lower Upper

113 100

111 103.7 83.4 125.2

192 15.6 14.0 21.0



#43

Isopropyl Acetate

Concen: 51.172 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082051.D

Acq: 09 May 2024 15:22

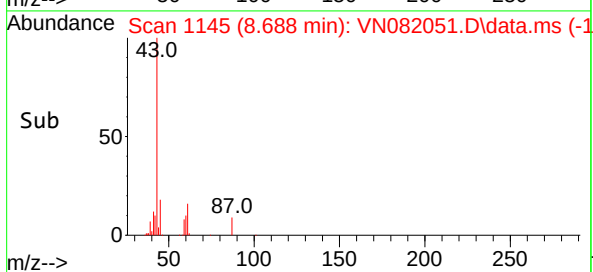
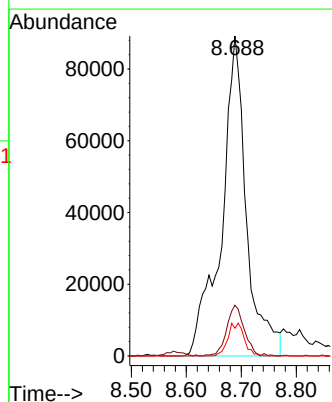
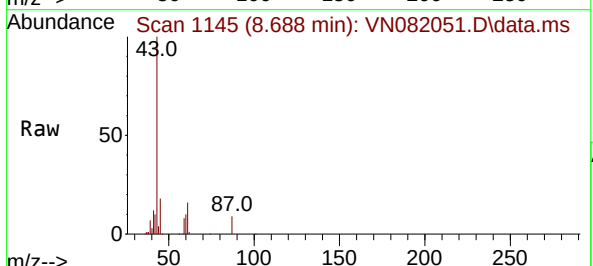
Tgt Ion: 43 Resp: 280521

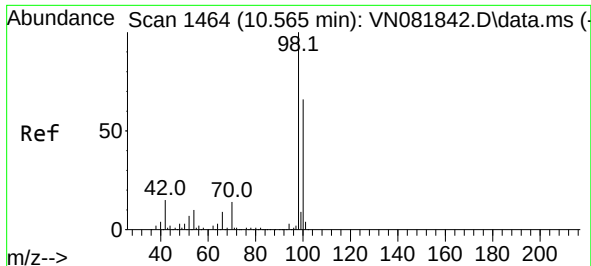
Ion Ratio Lower Upper

43 100

61 11.1 22.8 34.2#

87 6.7 12.0 18.0#

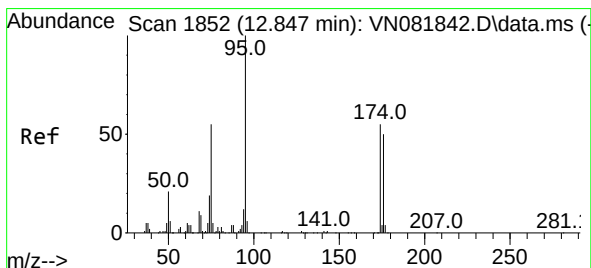
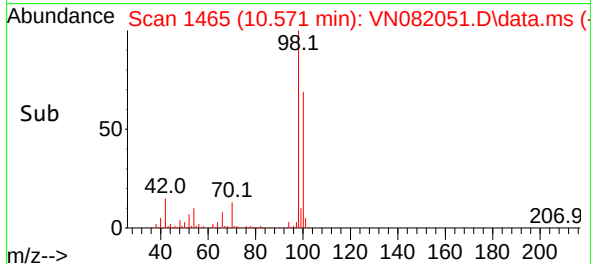
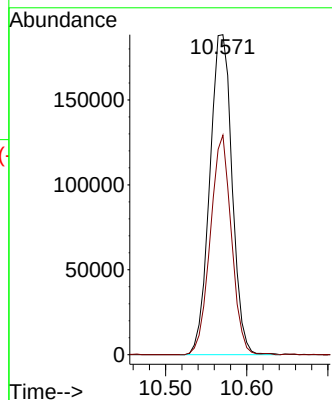
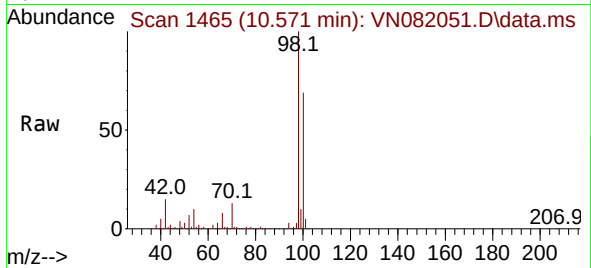




#50  
Toluene-d8  
Concen: 55.316 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: VN082051.D  
Acq: 09 May 2024 15:22

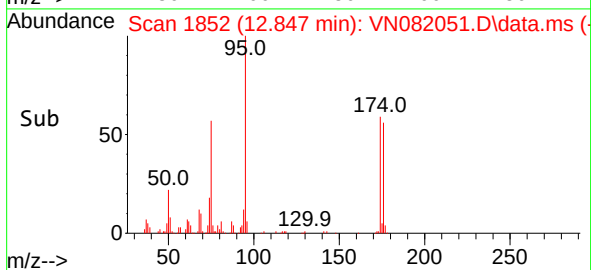
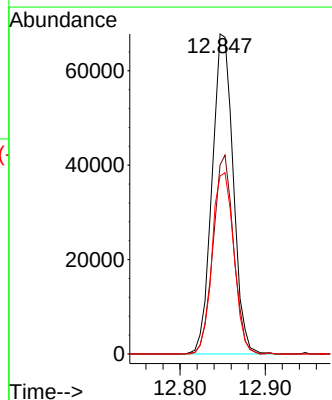
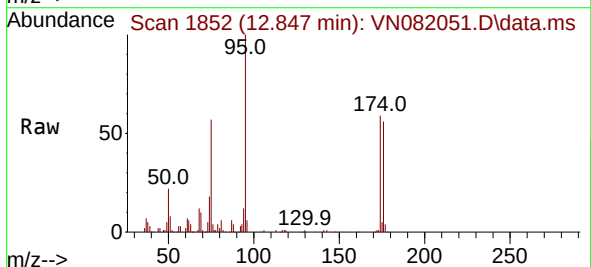
Instrument :  
MSVOA\_N  
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PB160759ZHE#03

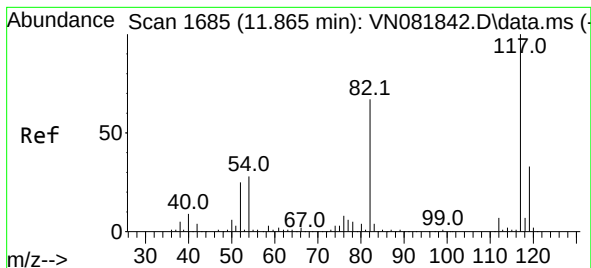
Tgt Ion: 98 Resp: 360089  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 45.309 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN082051.D  
Acq: 09 May 2024 15:22

Tgt Ion: 95 Resp: 116593  
Ion Ratio Lower Upper  
95 100  
174 60.4 0.0 160.6  
176 58.2 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082051.D

Acq: 09 May 2024 15:22

Instrument :

MSVOA\_N

ClientSampleId :

PB160759ZHE#03

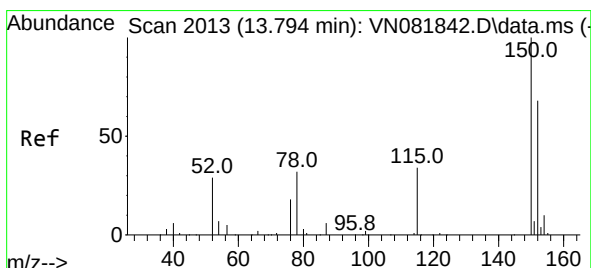
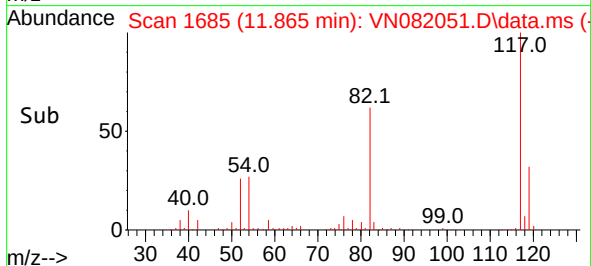
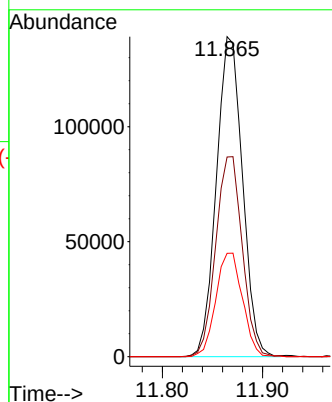
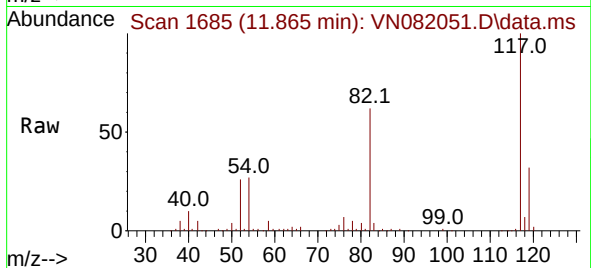
Tgt Ion:117 Resp: 251976

Ion Ratio Lower Upper

117 100

82 62.4 44.6 66.8

119 32.3 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082051.D

Acq: 09 May 2024 15:22

Tgt Ion:152 Resp: 91035

Ion Ratio Lower Upper

152 100

115 65.3 30.4 91.3

150 155.8 0.0 353.2

