

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031924\  
 Data File : VN081471.D  
 Acq On : 19 Mar 2024 15:21  
 Operator : JC\MD  
 Sample : P1780-01 20X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 2011

Quant Time: Mar 20 01:18:44 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 19 06:00:00 2024  
 Response via : Initial Calibration

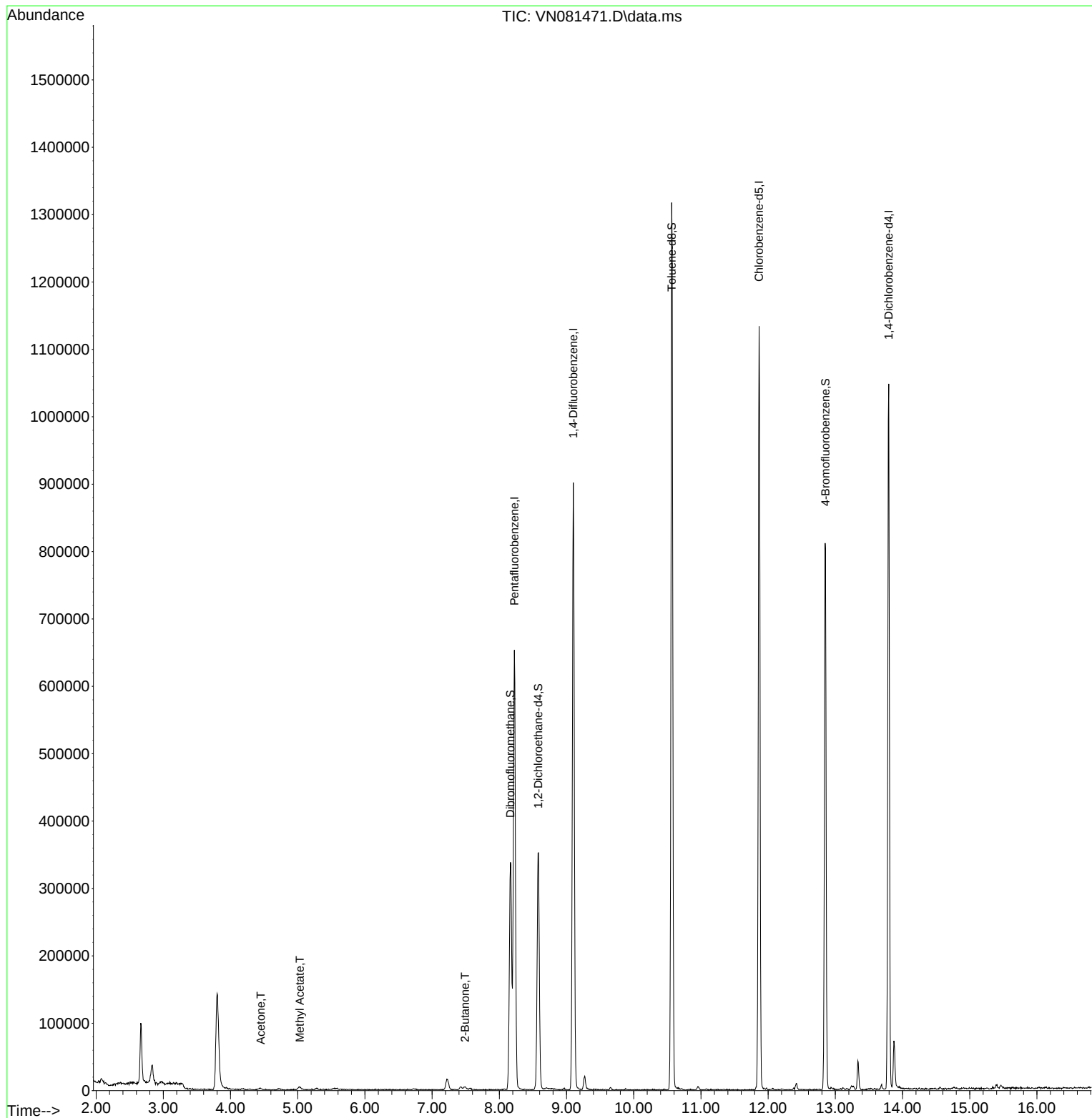
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 459370   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 786016   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 672964   | 50.000   | ug/l   | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 280945   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 292007   | 49.846   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 99.700%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 245811   | 49.553   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 99.100%  |
| 50) Toluene-d8              | 10.565 | 98    | 908366   | 50.657   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 101.320% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 282745   | 44.749   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =      | 89.500%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.448  | 43    | 4362     | 2.304    | ug/l # | 80       |
| 18) Methyl Acetate          | 5.030  | 43    | 6893     | 1.181    | ug/l # | 87       |
| 25) 2-Butanone              | 7.489  | 43    | 7318     | 2.254    | ug/l # | 83       |
| -----                       |        |       |          |          |        |          |

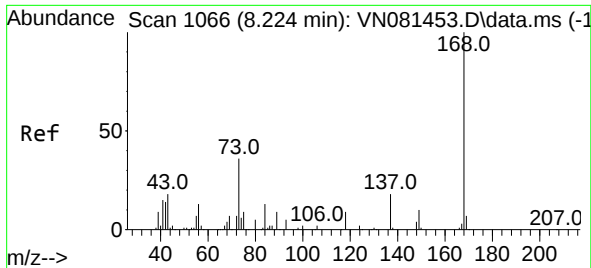
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 20 01:18:44 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 19 06:00:00 2024  
Response via : Initial Calibration

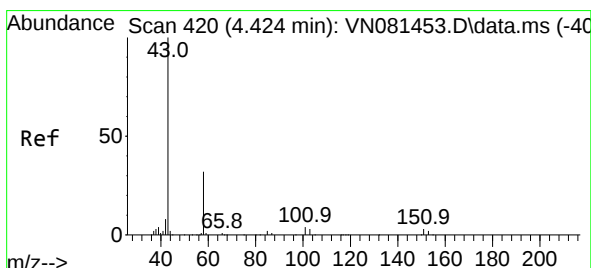
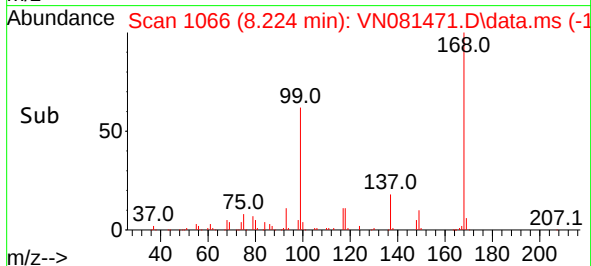
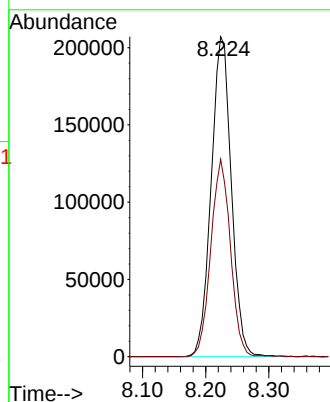
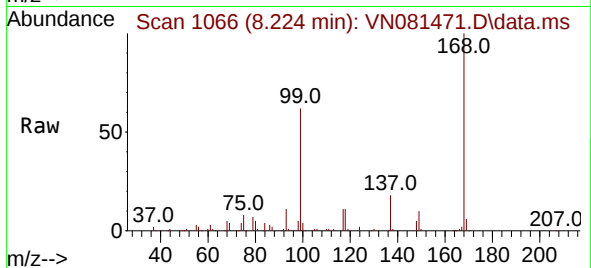




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN081471.D  
Acq: 19 Mar 2024 15:21

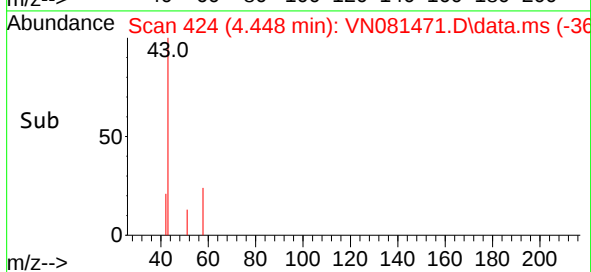
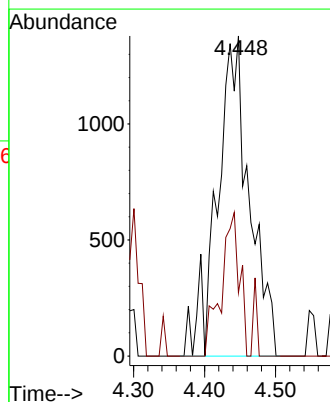
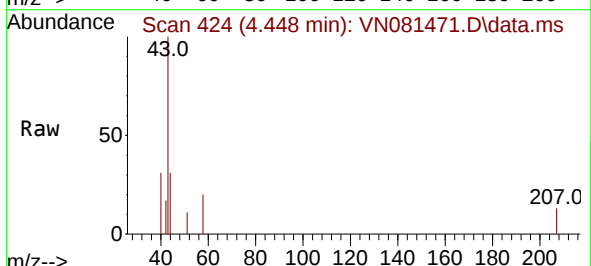
Instrument :  
MSVOA\_N  
ClientSampleId :  
2011

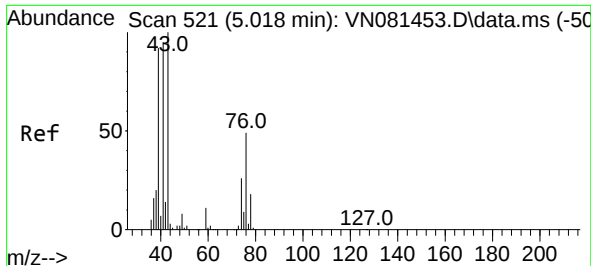
Tgt Ion:168 Resp: 459370  
Ion Ratio Lower Upper  
168 100  
99 61.6 59.9 89.9



#16  
Acetone  
Concen: 2.304 ug/l  
RT: 4.448 min Scan# 424  
Delta R.T. 0.024 min  
Lab File: VN081471.D  
Acq: 19 Mar 2024 15:21

Tgt Ion: 43 Resp: 4362  
Ion Ratio Lower Upper  
43 100  
58 19.8 24.8 37.2#

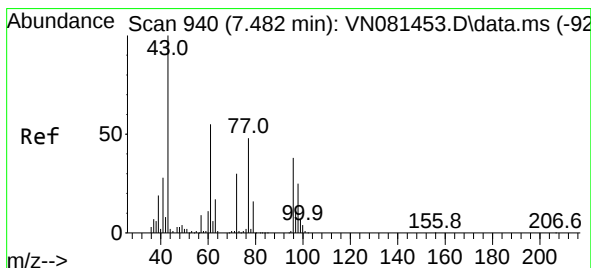
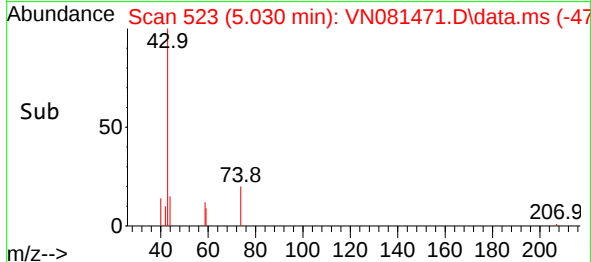
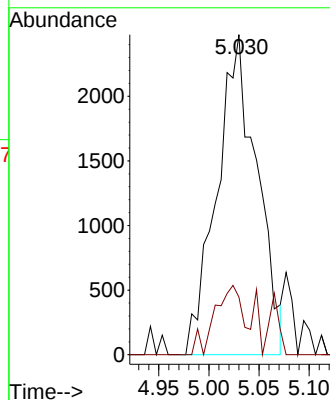
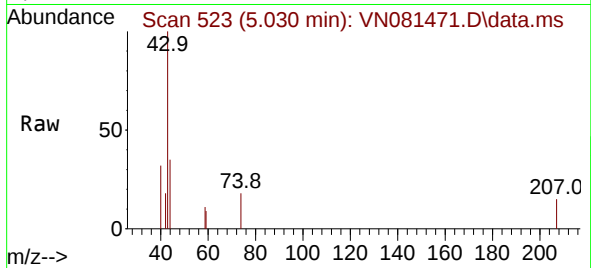




#18  
Methyl Acetate  
Concen: 1.181 ug/l  
RT: 5.030 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN081471.D  
Acq: 19 Mar 2024 15:21

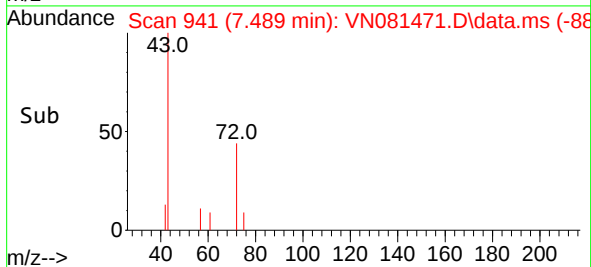
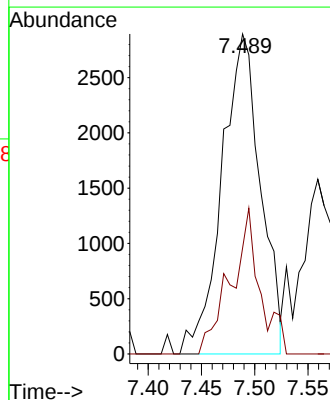
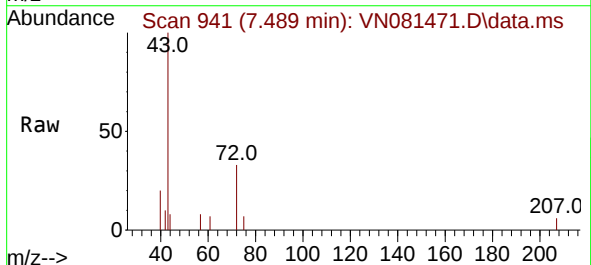
Instrument :  
MSVOA\_N  
ClientSampleId :  
2011

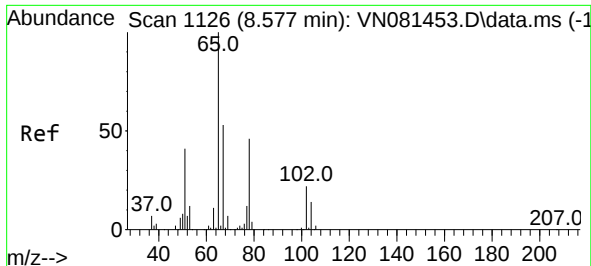
Tgt Ion: 43 Resp: 6893  
Ion Ratio Lower Upper  
43 100  
74 15.5 17.3 25.9#



#25  
2-Butanone  
Concen: 2.254 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN081471.D  
Acq: 19 Mar 2024 15:21

Tgt Ion: 43 Resp: 7318  
Ion Ratio Lower Upper  
43 100  
72 33.1 19.5 29.3#





#33

1,2-Dichloroethane-d4

Concen: 49.846 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081471.D

Acq: 19 Mar 2024 15:21

Instrument :

MSVOA\_N

ClientSampleId :

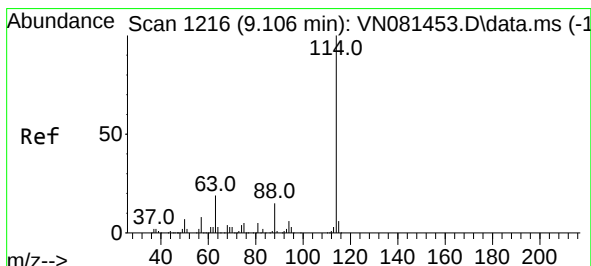
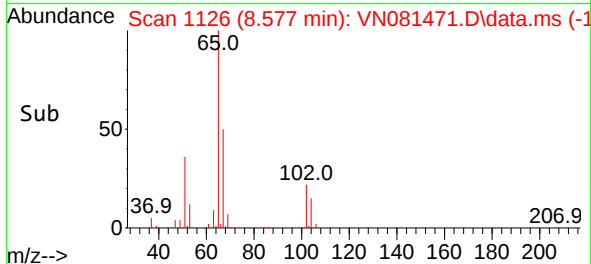
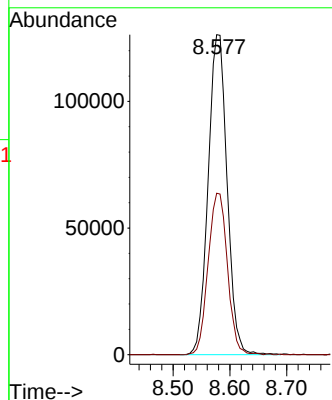
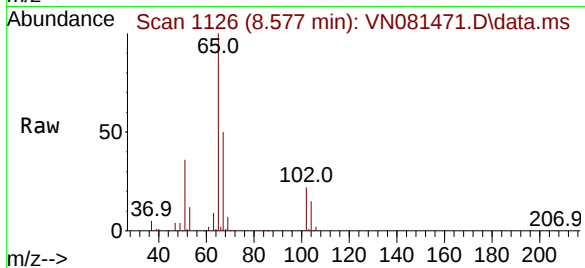
2011

Tgt Ion: 65 Resp: 292007

Ion Ratio Lower Upper

65 100

67 51.3 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN081471.D

Acq: 19 Mar 2024 15:21

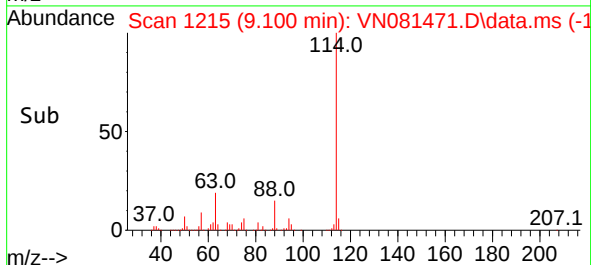
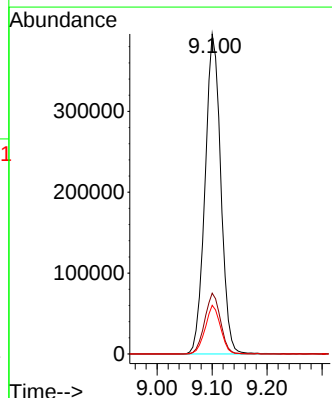
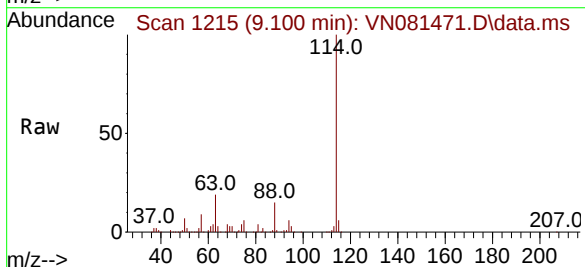
Tgt Ion: 114 Resp: 786016

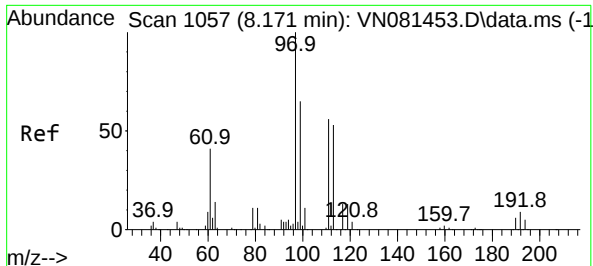
Ion Ratio Lower Upper

114 100

63 19.0 0.0 48.0

88 15.2 0.0 34.8

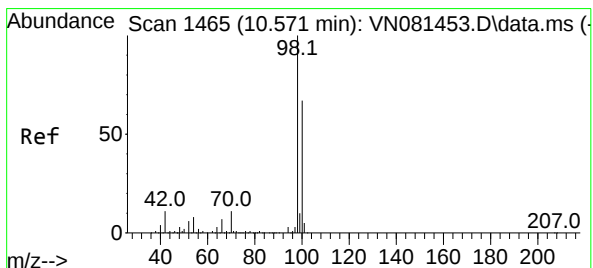
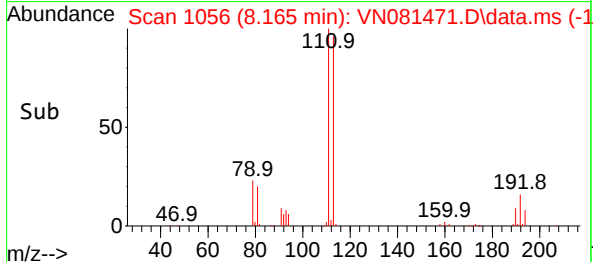
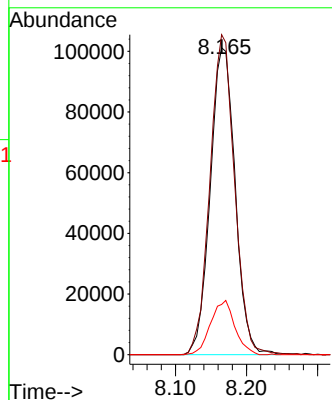
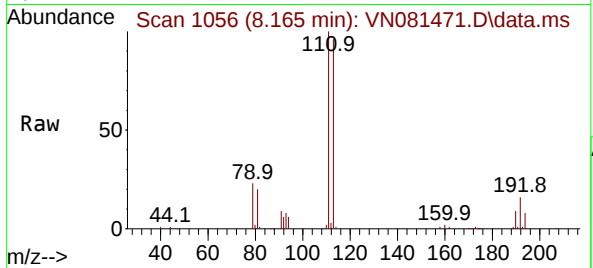




#35  
Dibromofluoromethane  
Concen: 49.553 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VN081471.D  
Acq: 19 Mar 2024 15:21

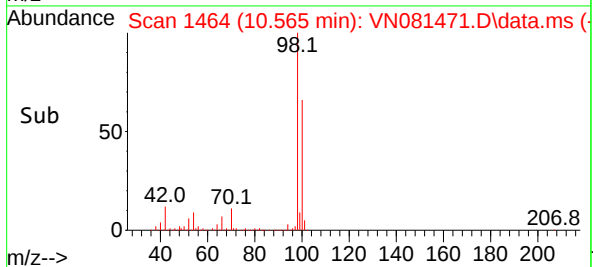
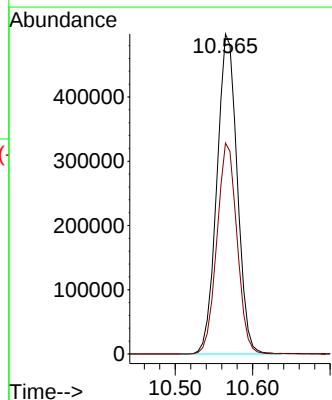
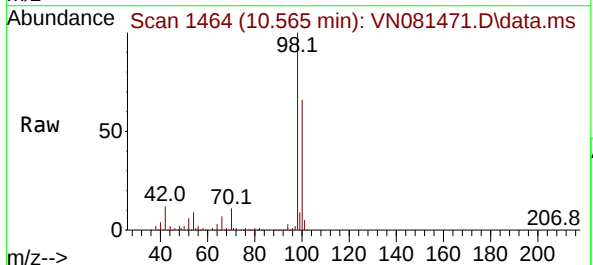
Instrument :  
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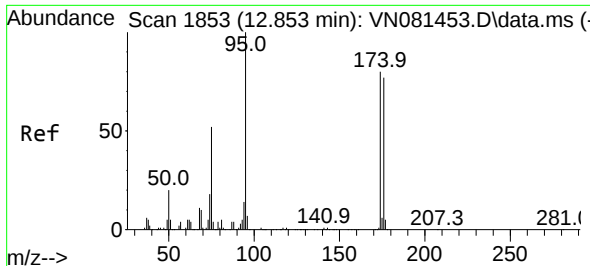
Tgt Ion:113 Resp: 245811  
Ion Ratio Lower Upper  
113 100  
111 103.3 82.2 123.4  
192 17.3 12.5 18.7



#50  
Toluene-d8  
Concen: 50.657 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.006 min  
Lab File: VN081471.D  
Acq: 19 Mar 2024 15:21

Tgt Ion: 98 Resp: 908366  
Ion Ratio Lower Upper  
98 100  
100 65.2 51.4 77.0

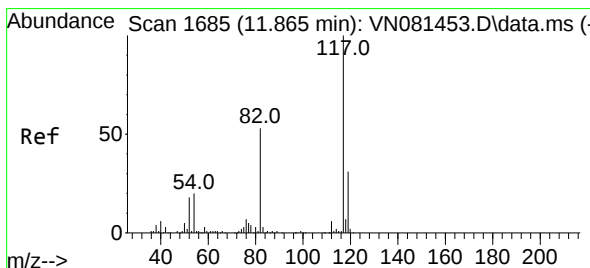
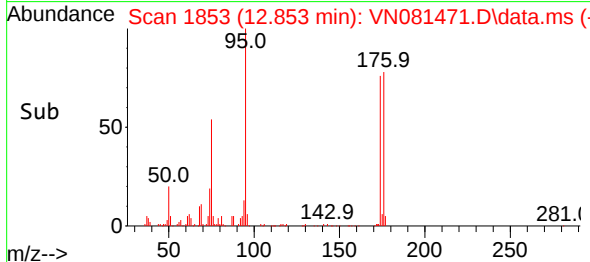
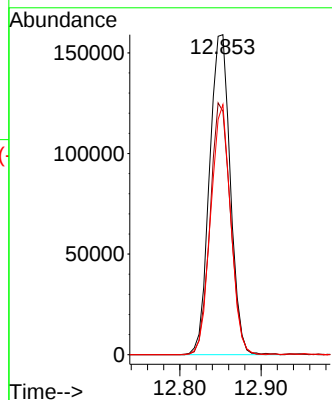
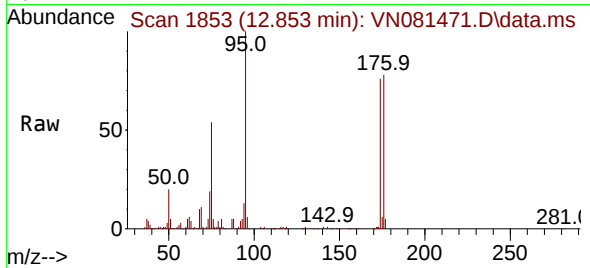




#62  
4-Bromofluorobenzene  
Concen: 44.749 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN081471.D  
Acq: 19 Mar 2024 15:21

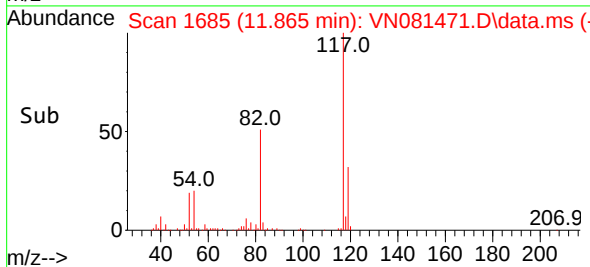
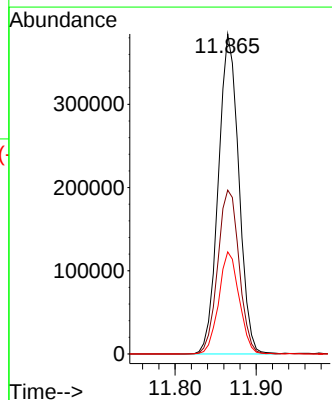
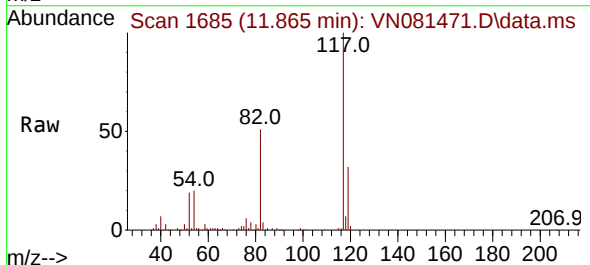
Instrument :  
MSVOA\_N  
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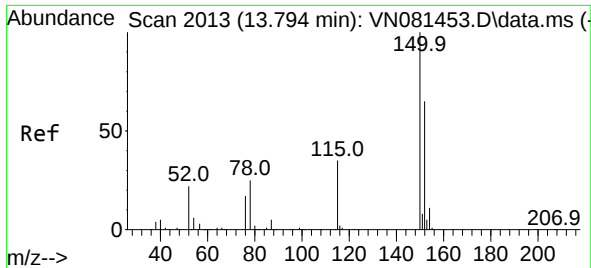
Tgt Ion: 95 Resp: 282745  
Ion Ratio Lower Upper  
95 100  
174 77.1 0.0 120.4  
176 74.8 0.0 121.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN081471.D  
Acq: 19 Mar 2024 15:21

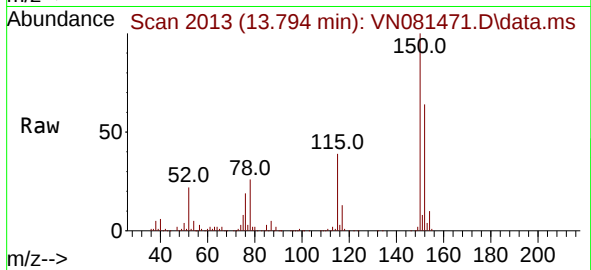
Tgt Ion: 117 Resp: 672964  
Ion Ratio Lower Upper  
117 100  
82 51.2 52.7 79.1#  
119 31.9 25.3 37.9





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 2011  
 Delta R.T. 0.000 min  
 Lab File: VN081471.D  
 Acq: 19 Mar 2024 15:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 2011



Tgt Ion:152 Resp: 280945  
 Ion Ratio Lower Upper  
 152 100  
 115 60.8 32.3 96.8  
 150 158.0 0.0 339.8

