

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042524\  
 Data File : VN081857.D  
 Acq On : 25 Apr 2024 17:52  
 Operator : JC\MD  
 Sample : P2257-08  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 413A

Quant Time: Apr 26 05:38:59 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

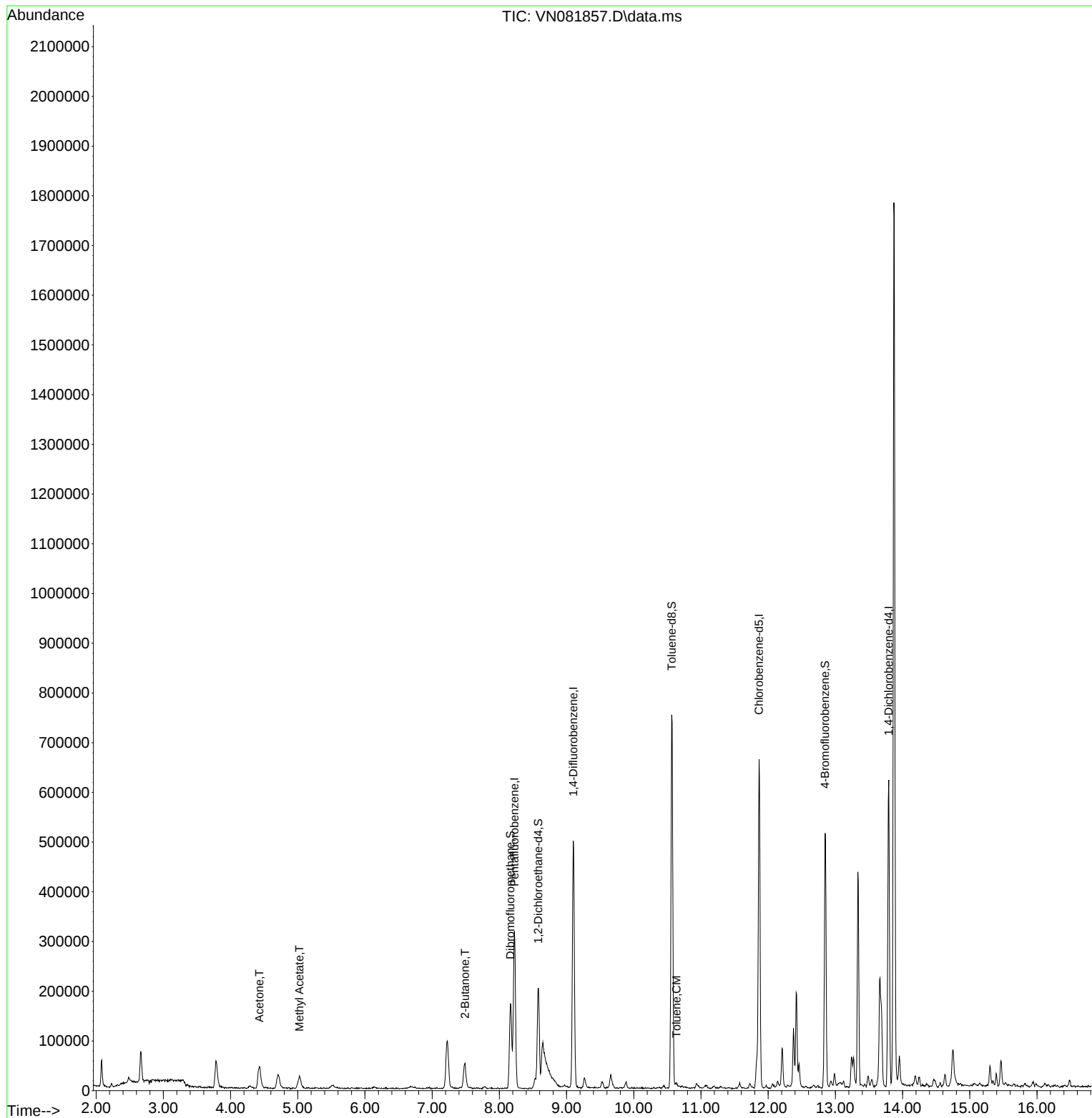
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 217105   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 406464   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 350961   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 148210   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 168249   | 45.918   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 91.840%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 120365   | 49.184   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 98.360%  |
| 50) Toluene-d8              | 10.565 | 98    | 499383   | 51.957   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 103.920% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 188425   | 49.593   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =      | 99.180%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.430  | 43    | 86838    | 76.346   | ug/l   | 96       |
| 18) Methyl Acetate          | 5.024  | 43    | 48126    | 12.967   | ug/l   | 94       |
| 25) 2-Butanone              | 7.488  | 43    | 82519    | 39.679   | ug/l   | 90       |
| 52) Toluene                 | 10.635 | 92    | 3569     | 0.499    | ug/l   | 98       |
| -----                       |        |       |          |          |        |          |

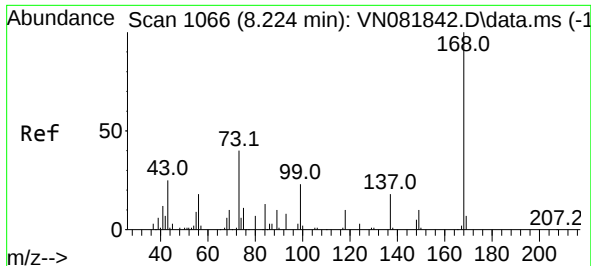
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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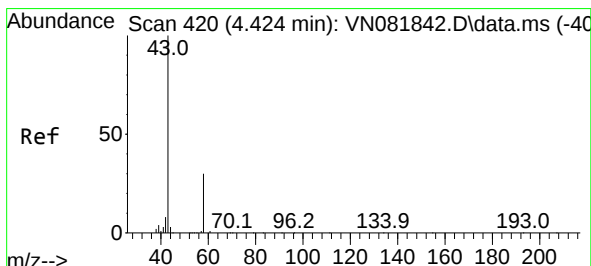
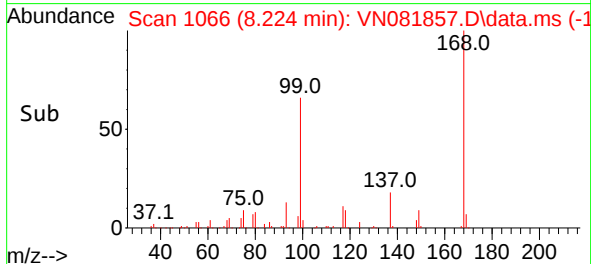
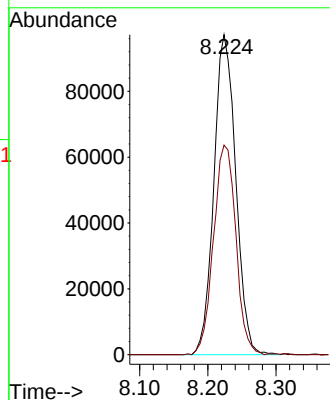
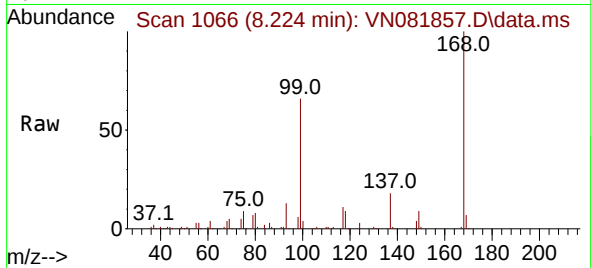




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN081857.D  
Acq: 25 Apr 2024 17:52

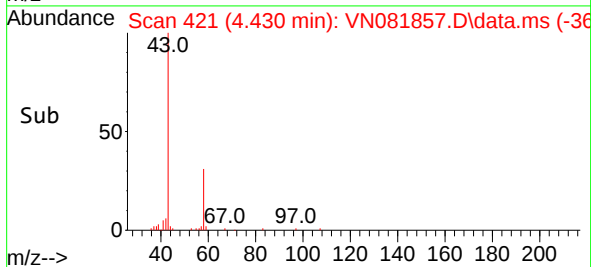
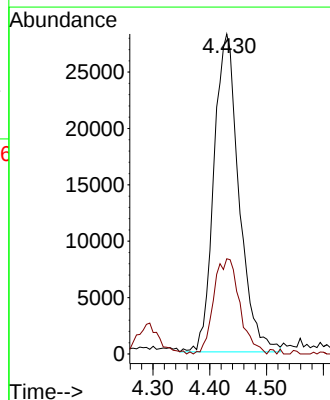
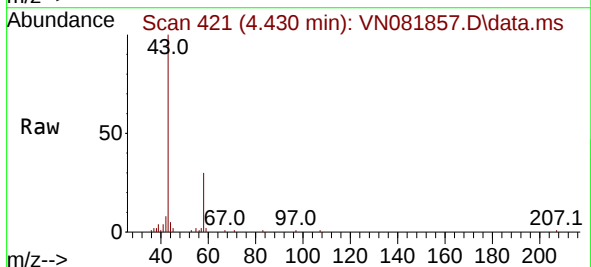
Instrument :  
MSVOA\_N  
ClientSampleId :  
413A

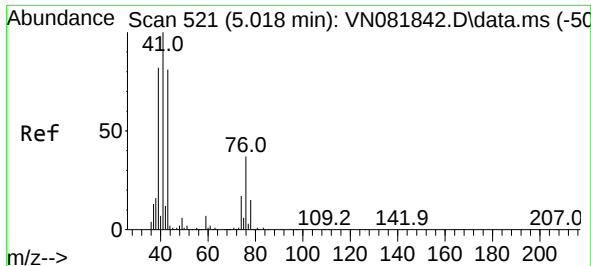
Tgt Ion:168 Resp: 217105  
Ion Ratio Lower Upper  
168 100  
99 65.5 48.2 72.4



#16  
Acetone  
Concen: 76.346 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN081857.D  
Acq: 25 Apr 2024 17:52

Tgt Ion: 43 Resp: 86838  
Ion Ratio Lower Upper  
43 100  
58 29.2 25.2 37.8

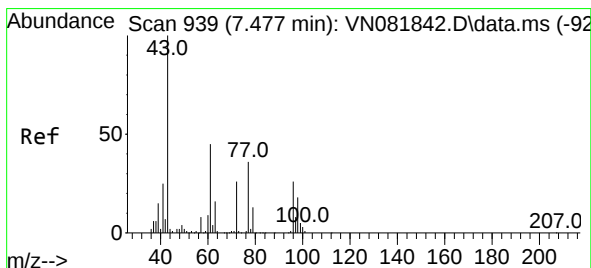
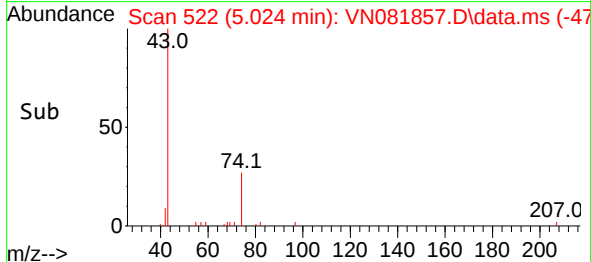
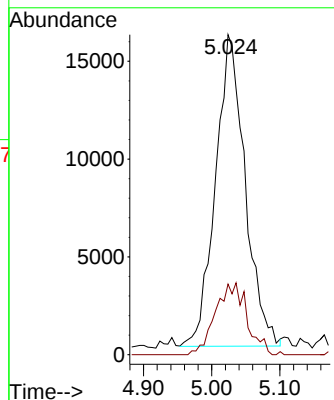
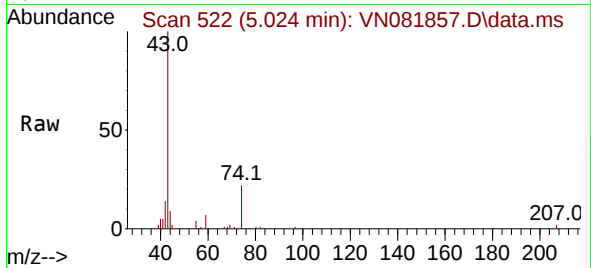




#18  
Methyl Acetate  
Concen: 12.967 ug/l  
RT: 5.024 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN081857.D  
Acq: 25 Apr 2024 17:52

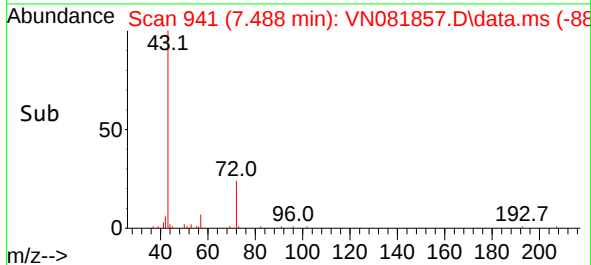
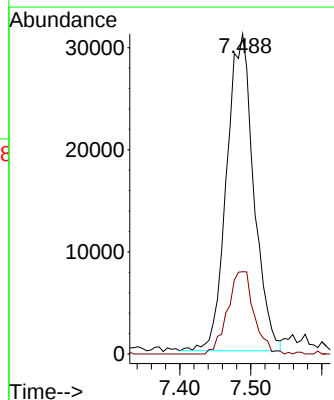
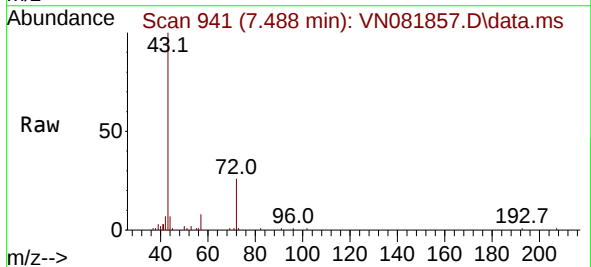
Instrument :  
MSVOA\_N  
ClientSampleId :  
413A

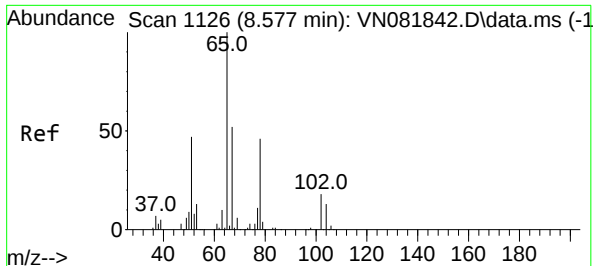
Tgt Ion: 43 Resp: 48126  
Ion Ratio Lower Upper  
43 100  
74 24.4 22.2 33.2



#25  
2-Butanone  
Concen: 39.679 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.012 min  
Lab File: VN081857.D  
Acq: 25 Apr 2024 17:52

Tgt Ion: 43 Resp: 82519  
Ion Ratio Lower Upper  
43 100  
72 26.0 25.3 37.9





#33

1,2-Dichloroethane-d4

Concen: 45.918 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081857.D

Acq: 25 Apr 2024 17:52

Instrument :

MSVOA\_N

ClientSampleId :

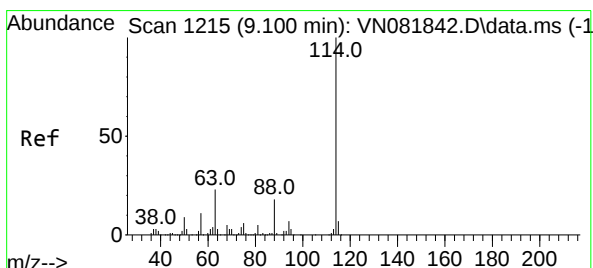
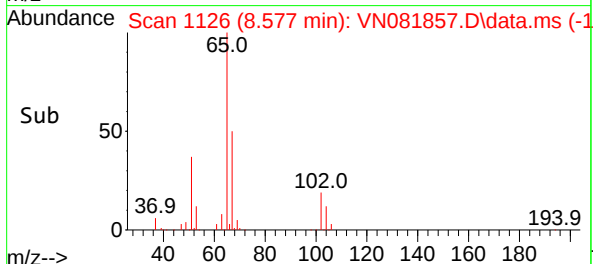
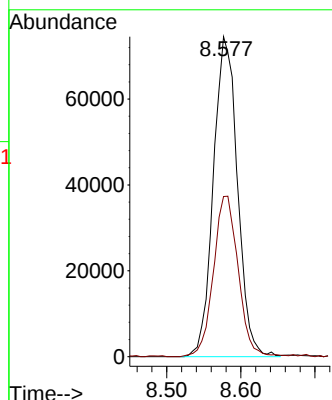
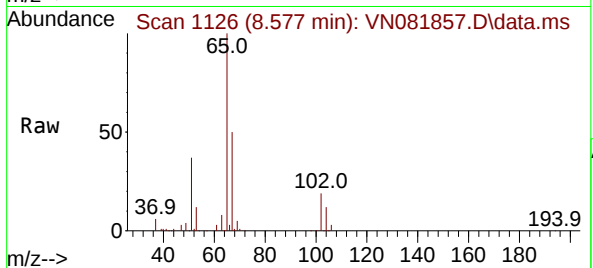
413A

Tgt Ion: 65 Resp: 168249

Ion Ratio Lower Upper

65 100

67 51.5 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: VN081857.D

Acq: 25 Apr 2024 17:52

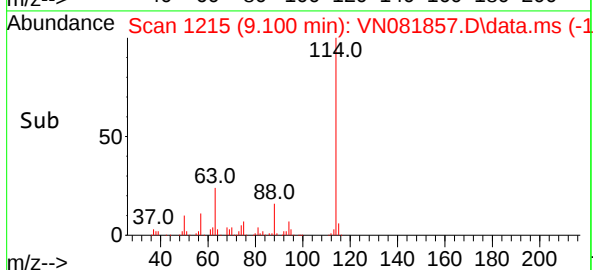
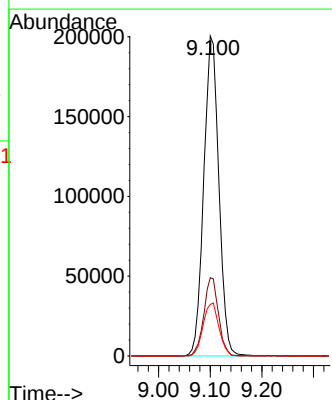
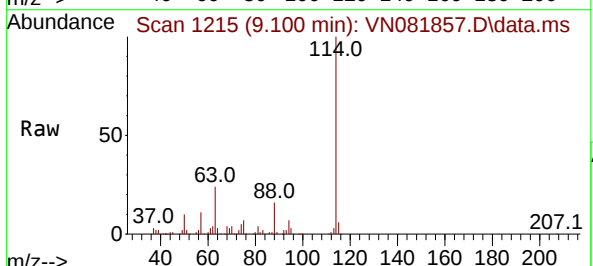
Tgt Ion: 114 Resp: 406464

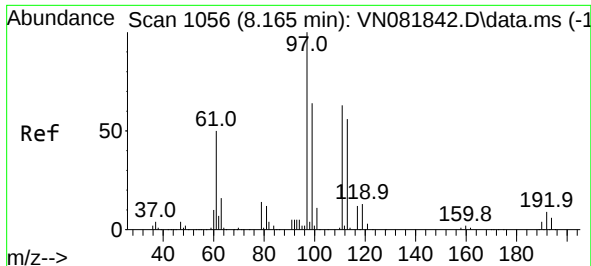
Ion Ratio Lower Upper

114 100

63 24.4 0.0 41.0

88 16.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.184 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN081857.D

Acq: 25 Apr 2024 17:52

Instrument :

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ClientSampleId :

413A

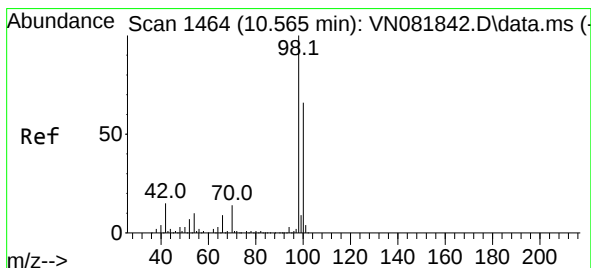
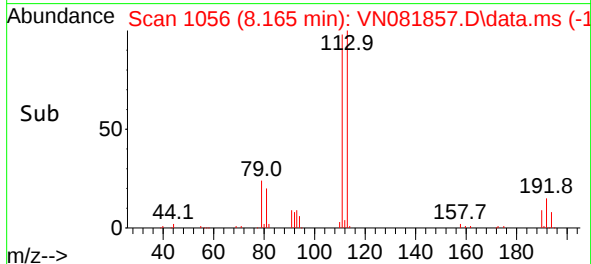
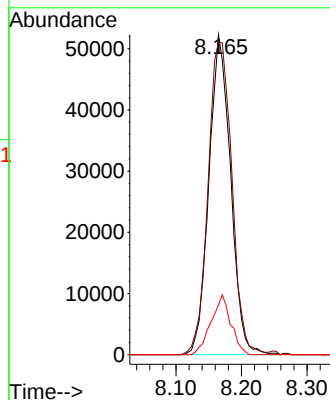
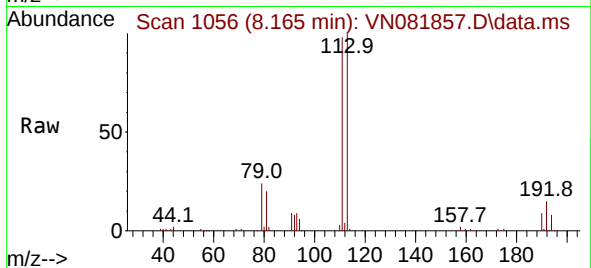
Tgt Ion:113 Resp: 120365

Ion Ratio Lower Upper

113 100

111 106.5 83.4 125.2

192 17.0 14.0 21.0



#50

Toluene-d8

Concen: 51.957 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN081857.D

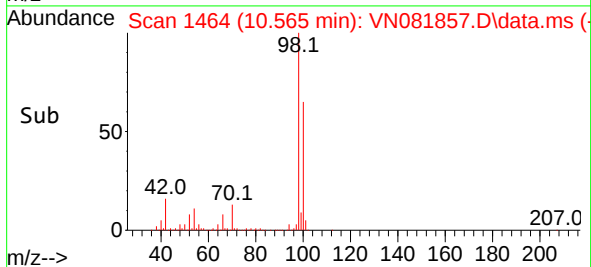
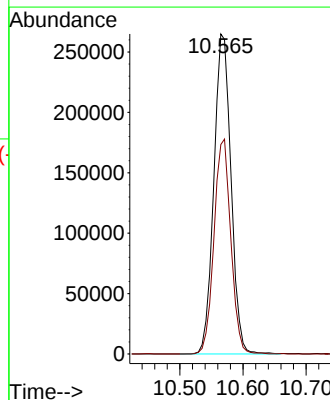
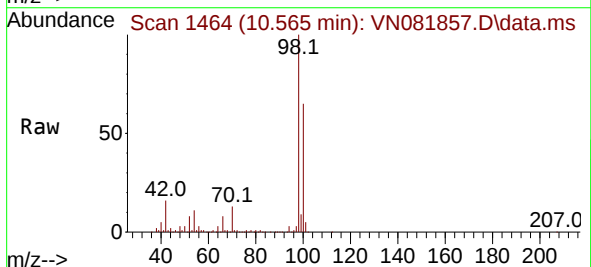
Acq: 25 Apr 2024 17:52

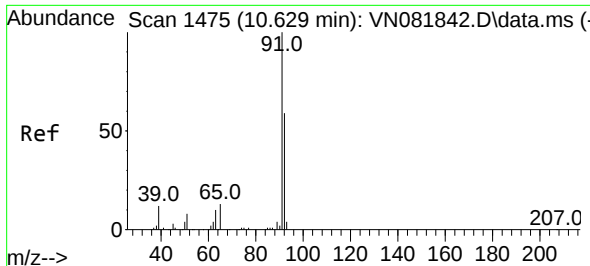
Tgt Ion: 98 Resp: 499383

Ion Ratio Lower Upper

98 100

100 65.9 51.8 77.6

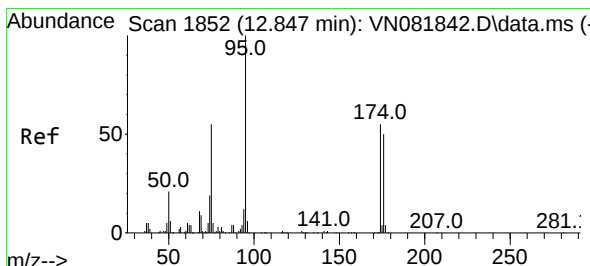
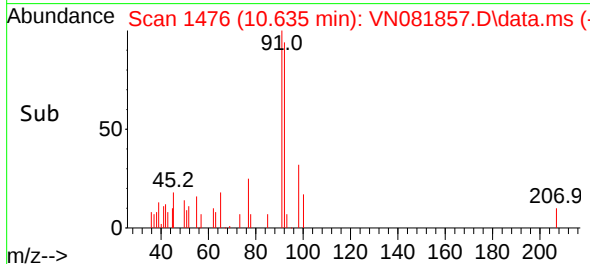
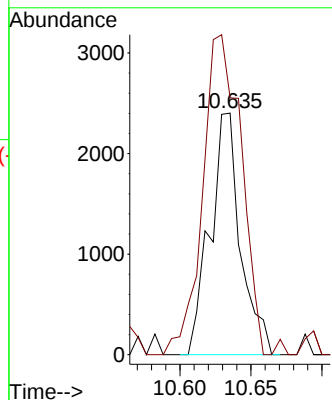
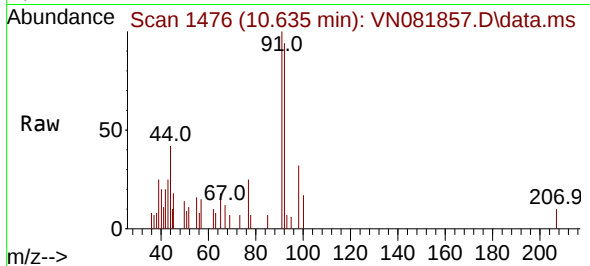




#52  
Toluene  
Concen: 0.499 ug/l  
RT: 10.635 min Scan# 1475  
Delta R.T. 0.006 min  
Lab File: VN081857.D  
Acq: 25 Apr 2024 17:52

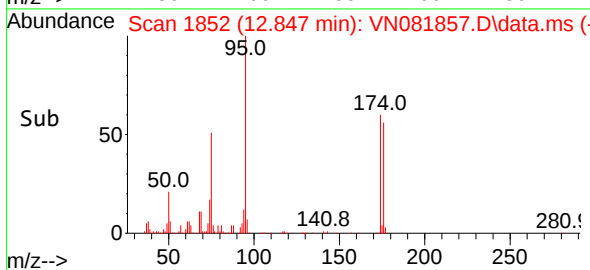
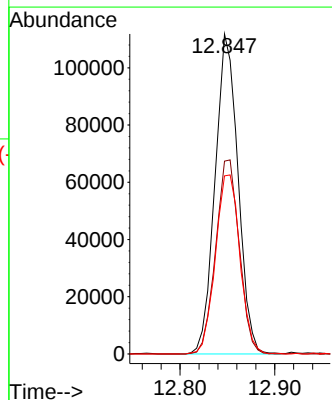
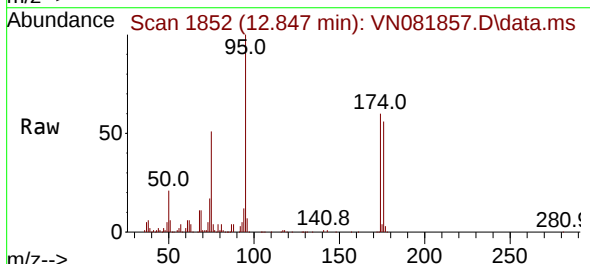
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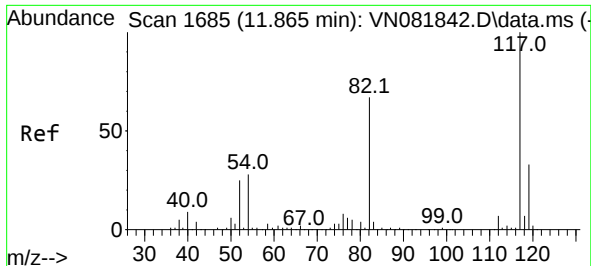
Tgt Ion: 92 Resp: 3569  
Ion Ratio Lower Upper  
92 100  
91 168.1 136.7 205.1



#62  
4-Bromofluorobenzene  
Concen: 49.593 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN081857.D  
Acq: 25 Apr 2024 17:52

Tgt Ion: 95 Resp: 188425  
Ion Ratio Lower Upper  
95 100  
174 62.3 0.0 160.6  
176 59.8 0.0 152.8

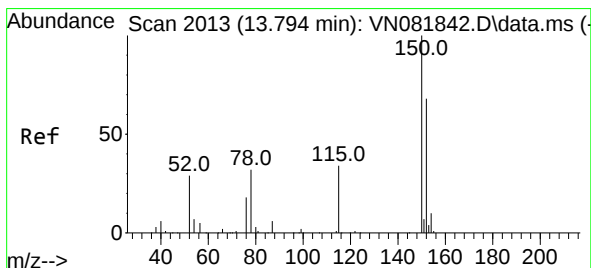
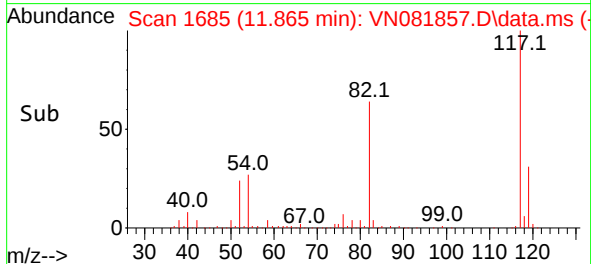
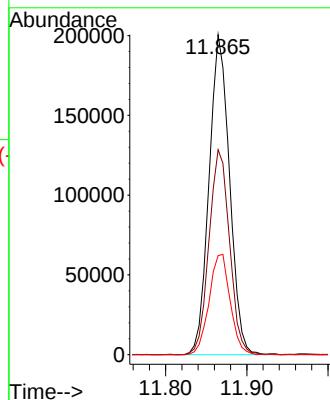
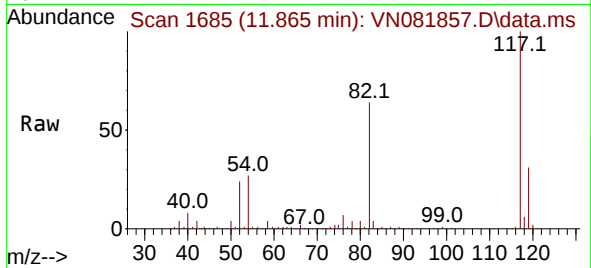




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN081857.D  
Acq: 25 Apr 2024 17:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
413A

Tgt Ion:117 Resp: 350961  
Ion Ratio Lower Upper  
117 100  
82 64.1 44.6 66.8  
119 31.0 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: VN081857.D  
Acq: 25 Apr 2024 17:52

Tgt Ion:152 Resp: 148210  
Ion Ratio Lower Upper  
152 100  
115 67.6 30.4 91.3  
150 160.7 0.0 353.2

