

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121923\  
 Data File : VN080519.D  
 Acq On : 19 Dec 2023 14:46  
 Operator : JC\MD  
 Sample : 05872-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 215-0210(TB-08)

Quant Time: Dec 20 04:02:15 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

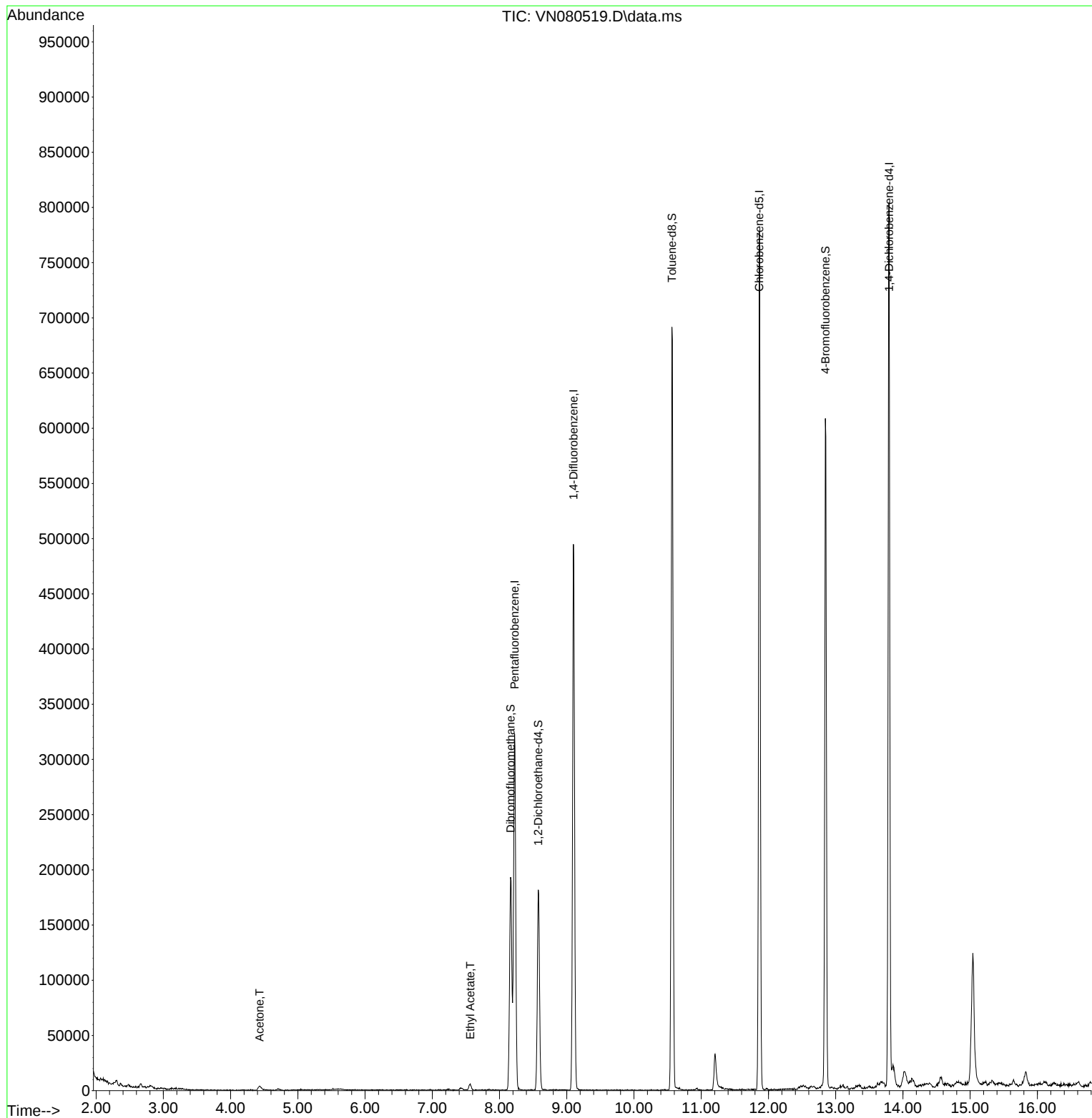
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 232311   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 425275   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 449779   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 212943   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 161409   | 54.399   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 108.800% |          |
| 35) Dibromofluoromethane    | 8.165  | 113   | 139020   | 51.557   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 103.120% |          |
| 50) Toluene-d8              | 10.565 | 98    | 496857   | 49.408   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 98.820%  |          |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 217095   | 56.852   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 113.700% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.430  | 43    | 7394     | 14.054   | ug/l       | 93       |
| 37) Ethyl Acetate           | 7.565  | 43    | 7597     | 2.752    | ug/l #     | 96       |
| -----                       |        |       |          |          |            |          |

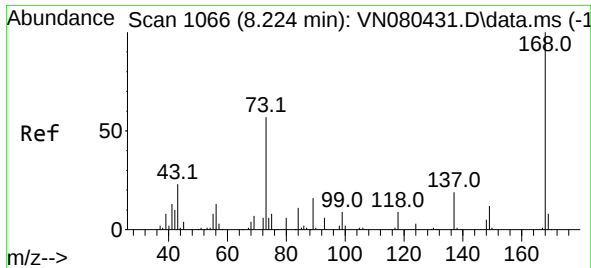
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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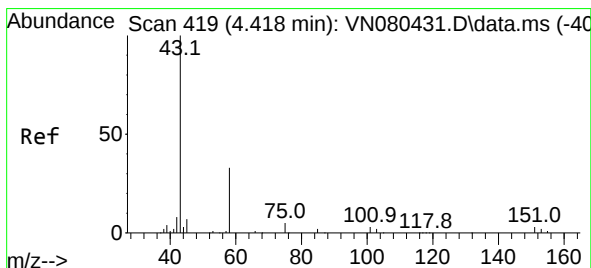
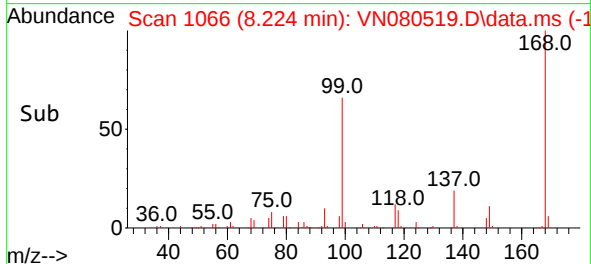
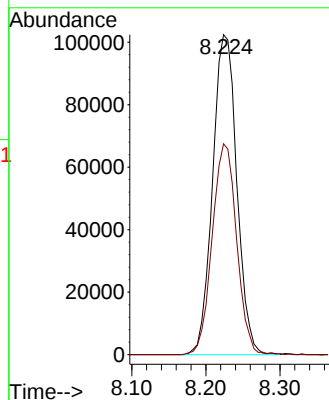
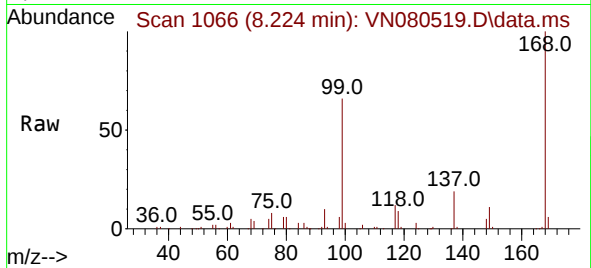




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN080519.D  
Acq: 19 Dec 2023 14:46

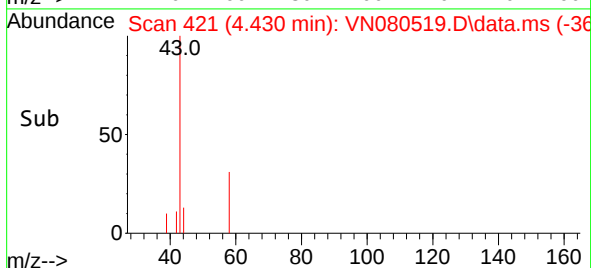
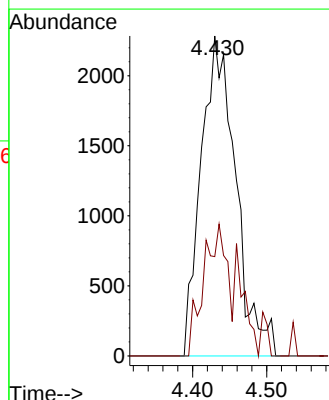
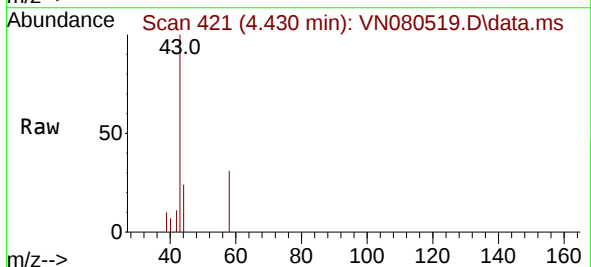
Instrument :  
MSVOA\_N  
ClientSampleId :  
215-0210(TB-08)

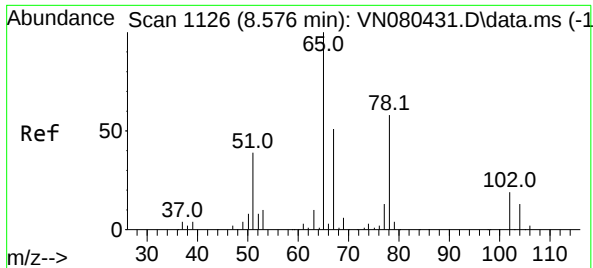
Tgt Ion:168 Resp: 232311  
Ion Ratio Lower Upper  
168 100  
99 65.9 53.0 79.6



#16  
Acetone  
Concen: 14.054 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.012 min  
Lab File: VN080519.D  
Acq: 19 Dec 2023 14:46

Tgt Ion: 43 Resp: 7394  
Ion Ratio Lower Upper  
43 100  
58 31.0 28.0 42.0





#33

1,2-Dichloroethane-d4

Concen: 54.399 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080519.D

Acq: 19 Dec 2023 14:46

Instrument :

MSVOA\_N

ClientSampleId :

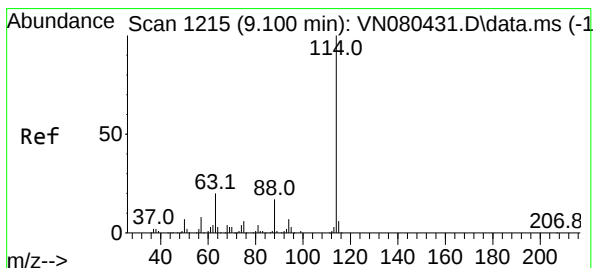
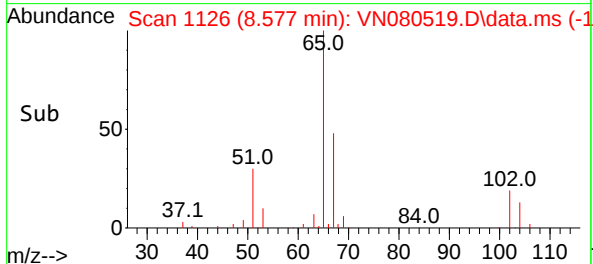
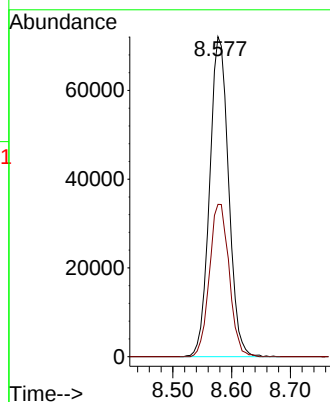
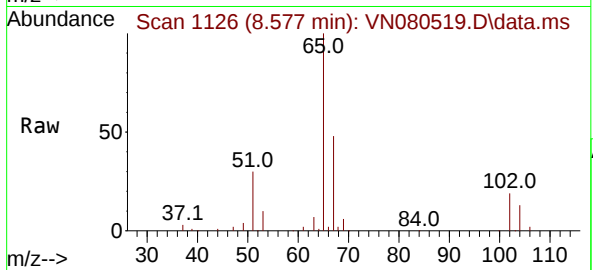
215-0210(TB-08)

Tgt Ion: 65 Resp: 161409

Ion Ratio Lower Upper

65 100

67 49.5 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: VN080519.D

Acq: 19 Dec 2023 14:46

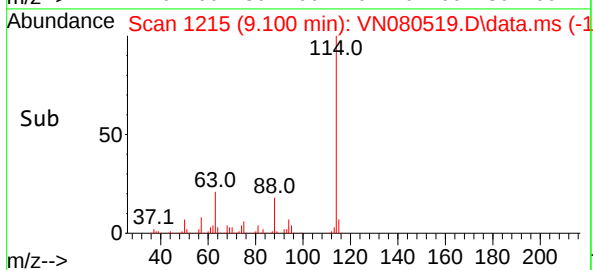
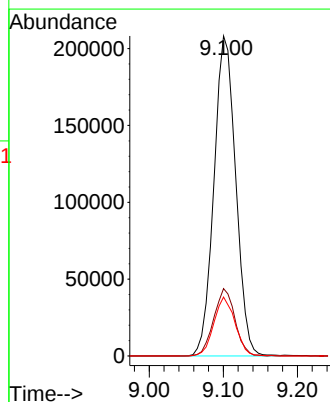
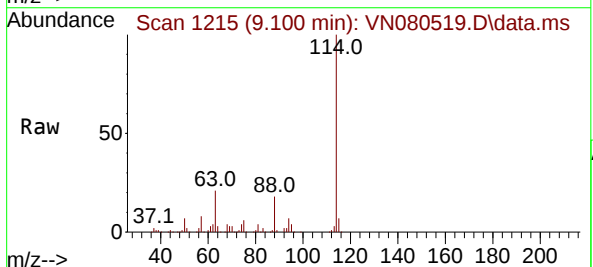
Tgt Ion: 114 Resp: 425275

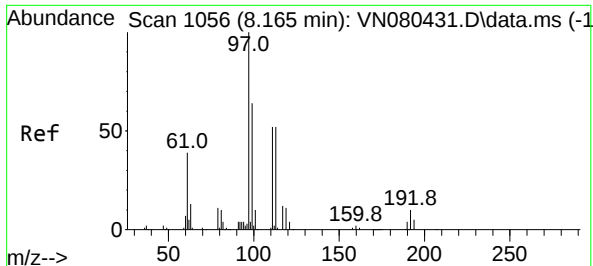
Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

88 18.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.557 ug/l

RT: 8.165 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080519.D

Acq: 19 Dec 2023 14:46

Instrument :

MSVOA\_N

ClientSampleId :

215-0210(TB-08)

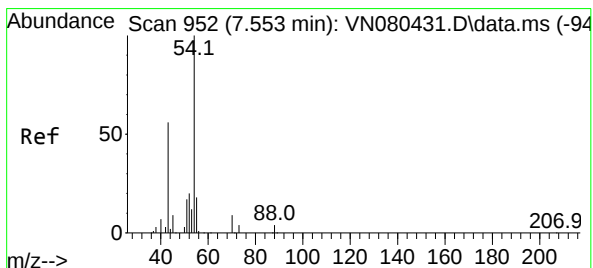
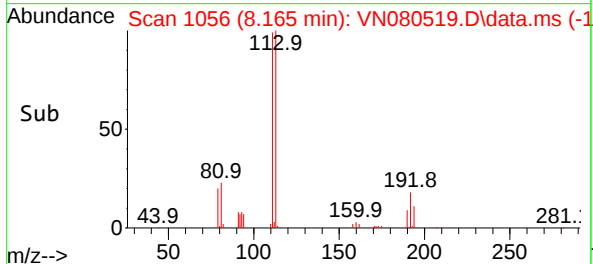
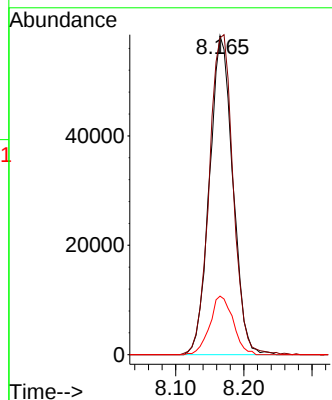
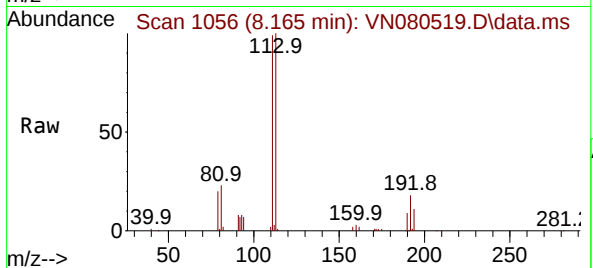
Tgt Ion:113 Resp: 139020

Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

192 18.3 12.7 19.1



#37

Ethyl Acetate

Concen: 2.752 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN080519.D

Acq: 19 Dec 2023 14:46

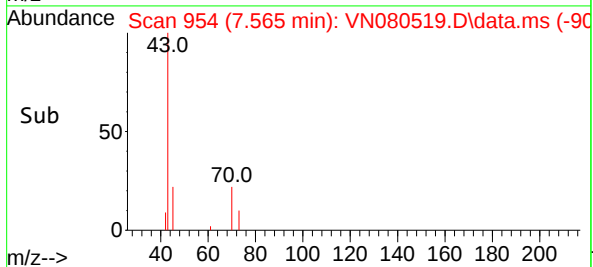
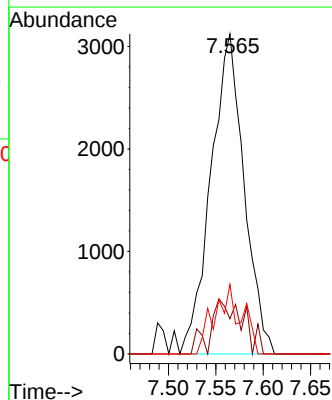
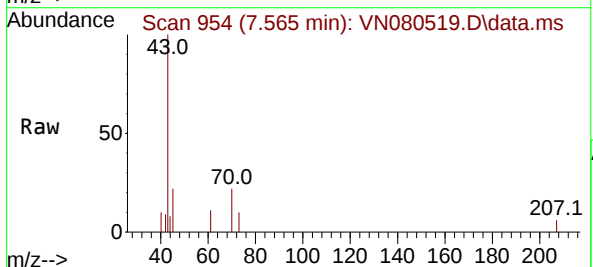
Tgt Ion: 43 Resp: 7597

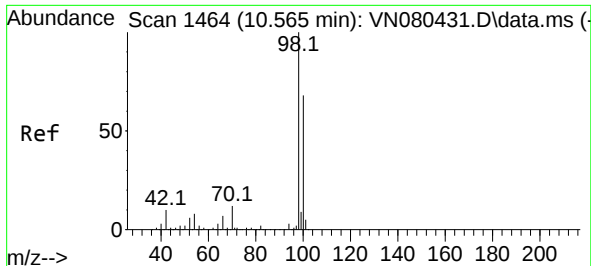
Ion Ratio Lower Upper

43 100

61 16.8 13.2 19.8

70 17.6 11.3 16.9#

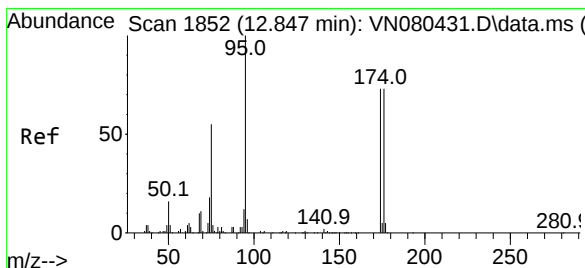
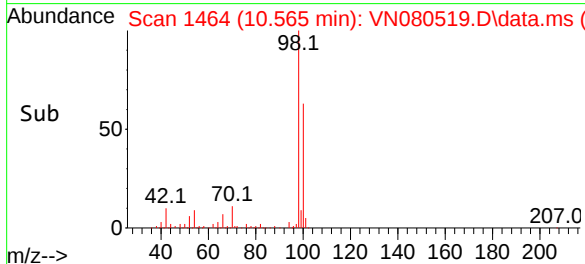
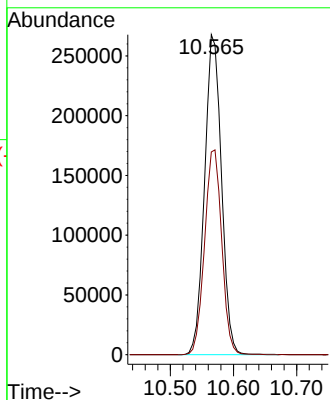
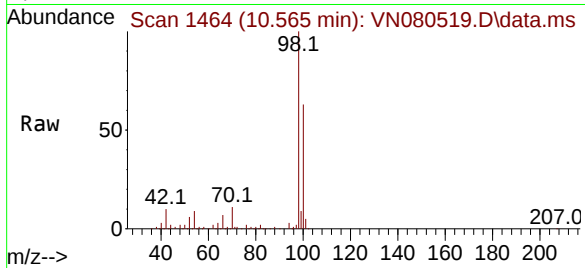




#50  
Toluene-d8  
Concen: 49.408 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN080519.D  
Acq: 19 Dec 2023 14:46

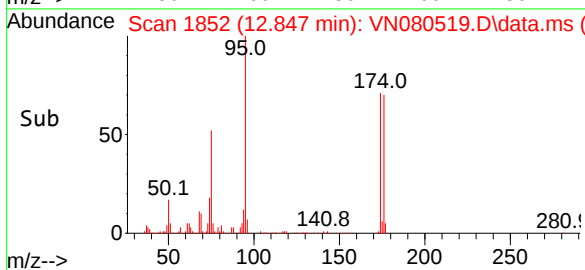
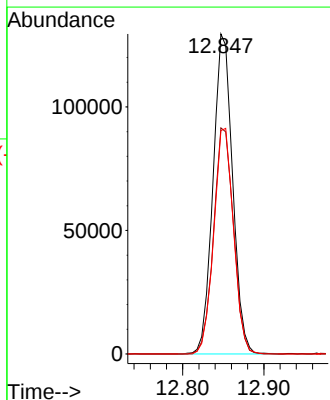
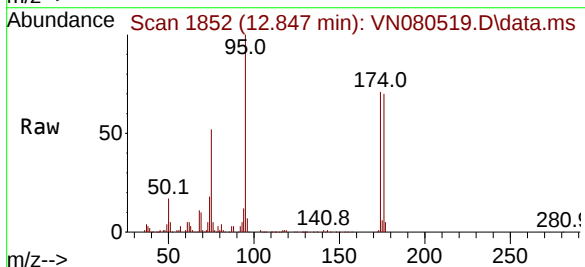
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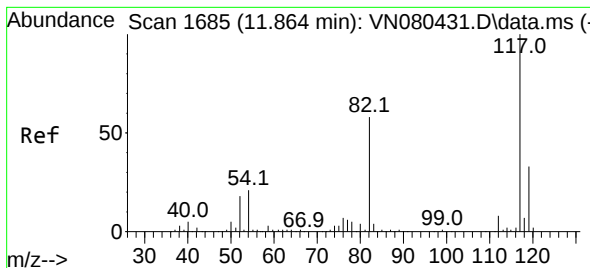
Tgt Ion: 98 Resp: 496857  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 56.852 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN080519.D  
Acq: 19 Dec 2023 14:46

Tgt Ion: 95 Resp: 217095  
Ion Ratio Lower Upper  
95 100  
174 72.0 0.0 143.8  
176 71.1 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: VN080519.D

Acq: 19 Dec 2023 14:46

Instrument :

MSVOA\_N

ClientSampleId :

215-0210(TB-08)

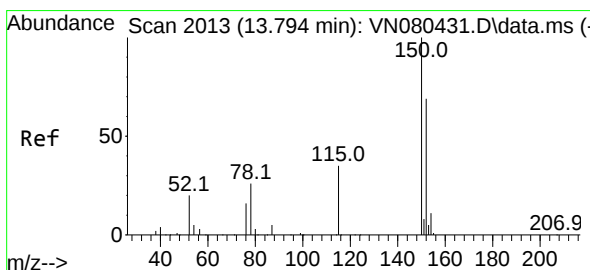
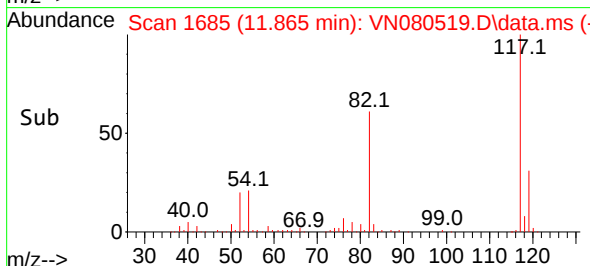
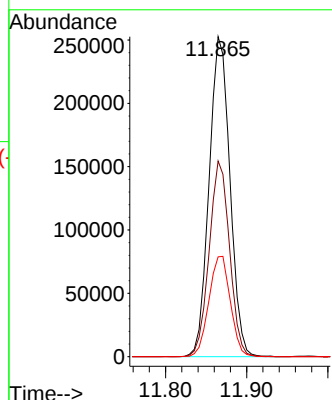
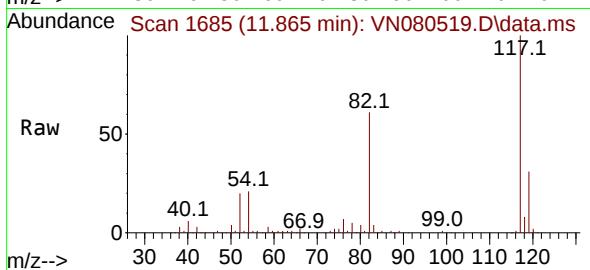
Tgt Ion:117 Resp: 449779

Ion Ratio Lower Upper

117 100

82 61.1 44.0 66.0

119 31.2 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: VN080519.D

Acq: 19 Dec 2023 14:46

Tgt Ion:152 Resp: 212943

Ion Ratio Lower Upper

152 100

115 66.3 32.3 96.8

150 157.7 0.0 355.8

