

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111823\  
 Data File : VN080193.D  
 Acq On : 18 Nov 2023 18:07  
 Operator : JC\MD  
 Sample : 05466-06  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RB200018

Quant Time: Nov 20 01:29:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 17 01:19:32 2023  
 Response via : Initial Calibration

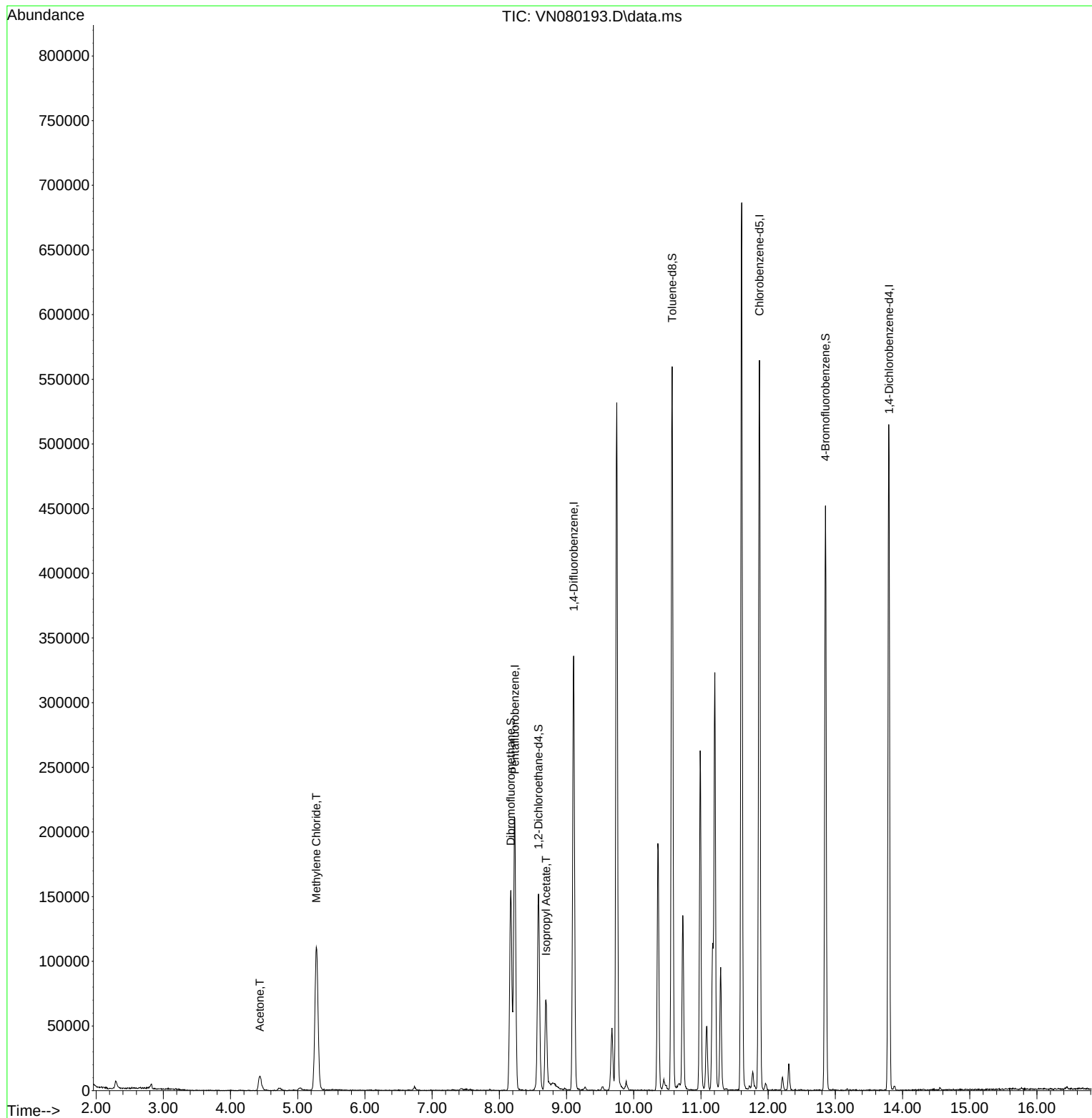
| Compound                    | R.T. QIon      |     | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|----------------|-----|----------|------------|--------|----------|
| -----                       |                |     |          |            |        |          |
| Internal Standards          |                |     |          |            |        |          |
| 1) Pentafluorobenzene       | 8.230          | 168 | 144092   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106          | 114 | 276149   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871         | 117 | 318124   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.800         | 152 | 138689   | 50.000     | ug/l   | 0.00     |
|                             |                |     |          |            |        |          |
| System Monitoring Compounds |                |     |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583          | 65  | 140522   | 59.063     | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |     | Recovery | = 118.120% |        |          |
| 35) Dibromofluoromethane    | 8.171          | 113 | 105687   | 51.868     | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |     | Recovery | = 103.740% |        |          |
| 50) Toluene-d8              | 10.571         | 98  | 382997   | 52.143     | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |     | Recovery | = 104.280% |        |          |
| 62) 4-Bromofluorobenzene    | 12.853         | 95  | 153519   | 55.334     | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |     | Recovery | = 110.660% |        |          |
|                             |                |     |          |            |        |          |
| Target Compounds            |                |     |          |            |        | Qvalue   |
| 16) Acetone                 | 4.436          | 43  | 21825    | 27.312     | ug/l   | 96       |
| 20) Methylene Chloride      | 5.277          | 84  | 95506    | 57.071     | ug/l   | 90       |
| 43) Isopropyl Acetate       | 8.694          | 43  | 79098    | 19.864     | ug/l # | 85       |
| -----                       |                |     |          |            |        |          |

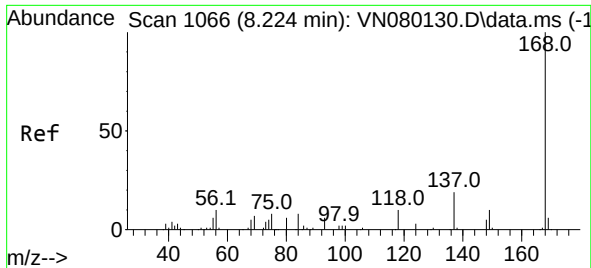
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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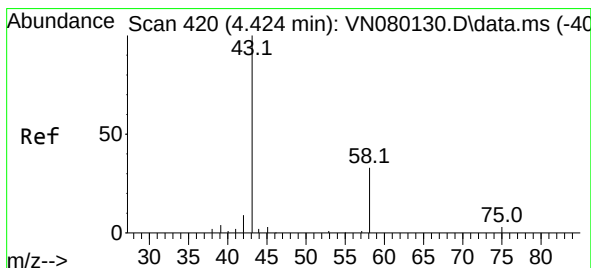
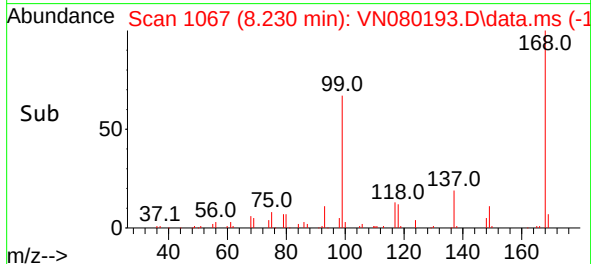
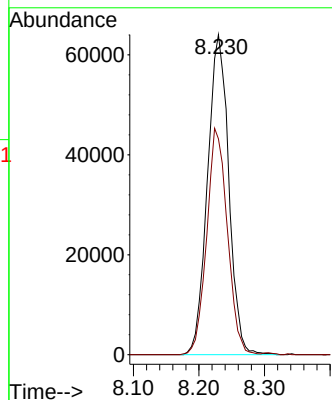
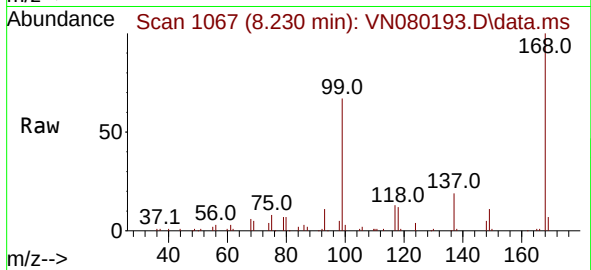




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN080193.D  
Acq: 18 Nov 2023 18:07

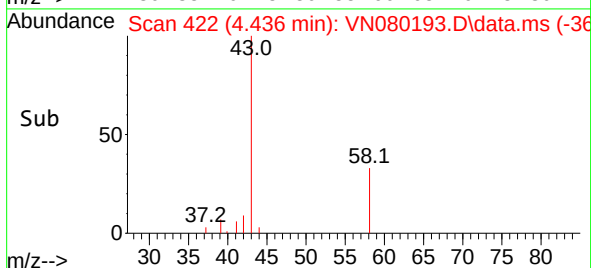
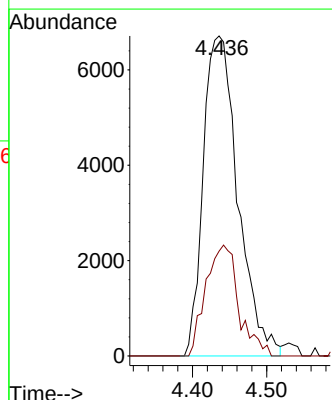
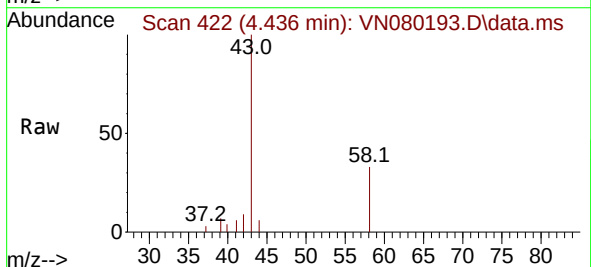
Instrument :  
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ClientSampleId :  
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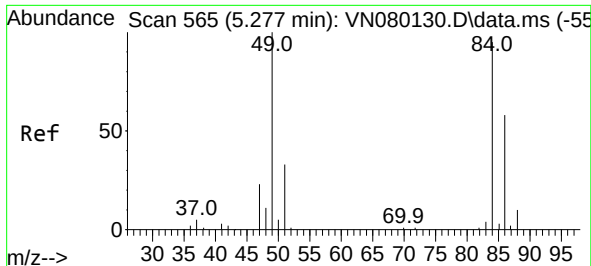
Tgt Ion:168 Resp: 144092  
Ion Ratio Lower Upper  
168 100  
99 67.5 53.0 79.6



#16  
Acetone  
Concen: 27.312 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.012 min  
Lab File: VN080193.D  
Acq: 18 Nov 2023 18:07

Tgt Ion: 43 Resp: 21825  
Ion Ratio Lower Upper  
43 100  
58 32.8 28.0 42.0

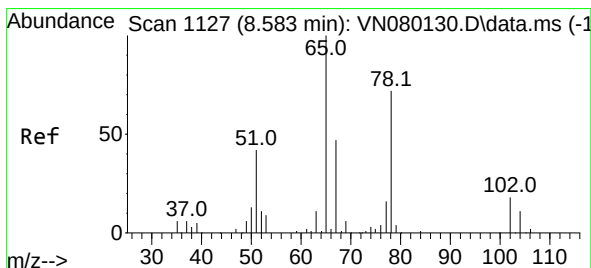
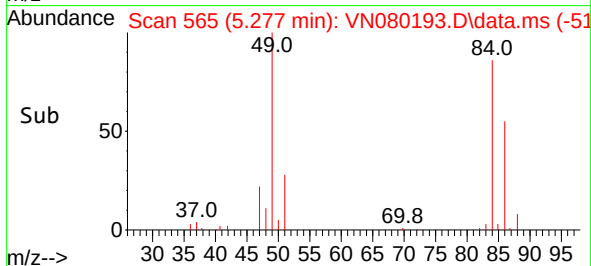
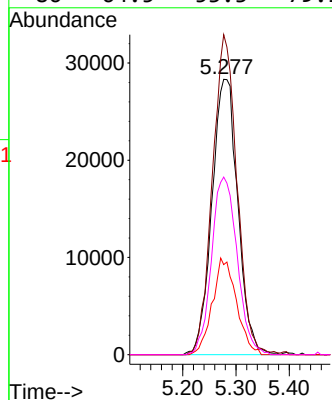
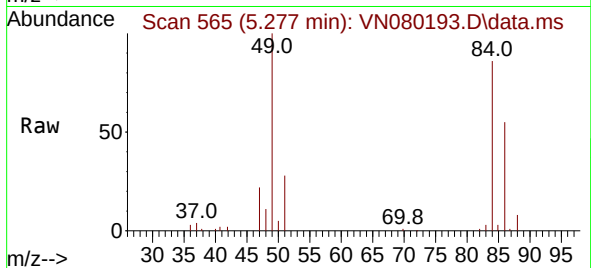




#20  
Methylene Chloride  
Concen: 57.071 ug/l  
RT: 5.277 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN080193.D  
Acq: 18 Nov 2023 18:07

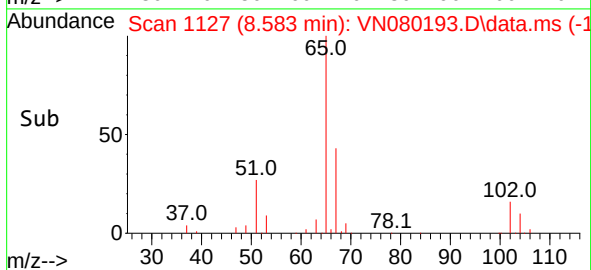
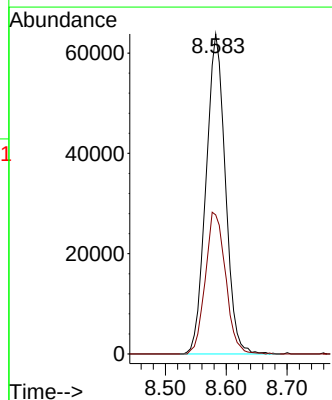
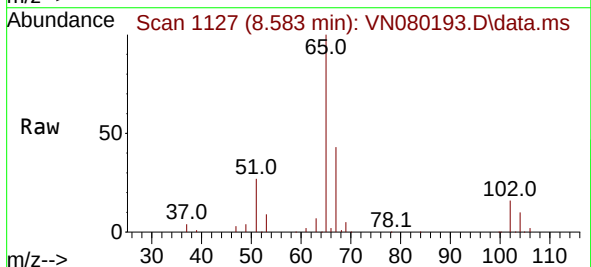
Instrument :  
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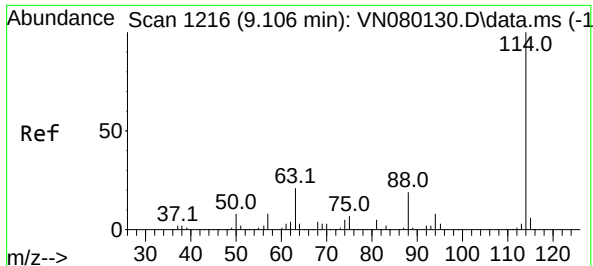
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 95506 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 116.2 | 79.7  | 119.5 |
| 51       | 32.7  | 25.2  | 37.8  |
| 86       | 64.5  | 53.3  | 79.9  |



#33  
1,2-Dichloroethane-d4  
Concen: 59.063 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN080193.D  
Acq: 18 Nov 2023 18:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 140522 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 46.4  | 0.0   | 106.6  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN080193.D

Acq: 18 Nov 2023 18:07

Instrument :

MSVOA\_N

ClientSampleId :

RB200018

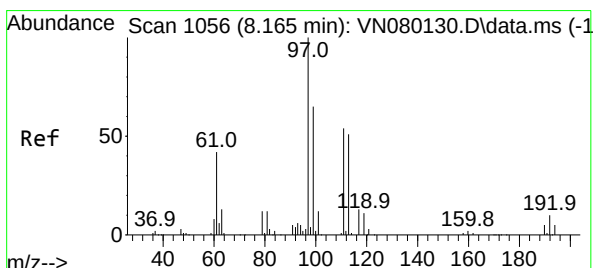
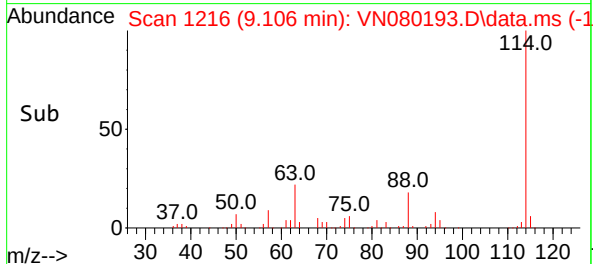
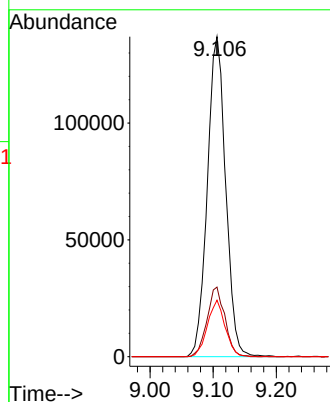
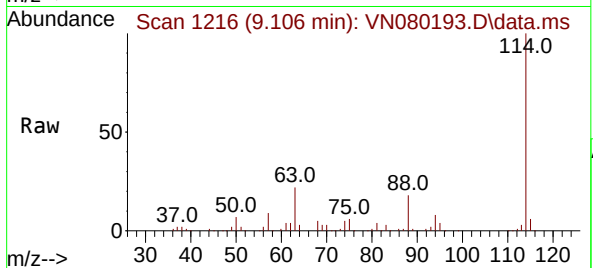
Tgt Ion:114 Resp: 276149

Ion Ratio Lower Upper

114 100

63 21.7 0.0 36.4

88 17.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.868 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080193.D

Acq: 18 Nov 2023 18:07

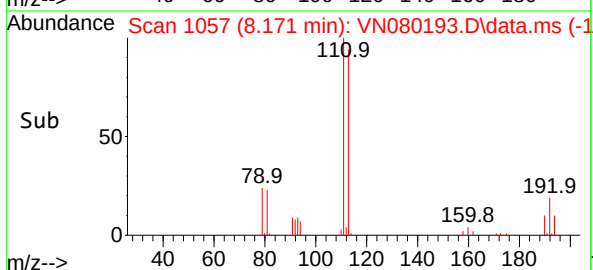
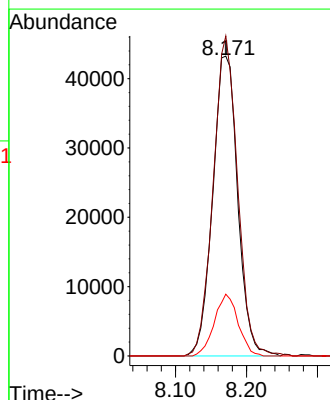
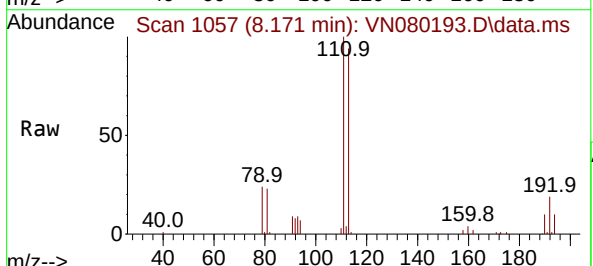
Tgt Ion:113 Resp: 105687

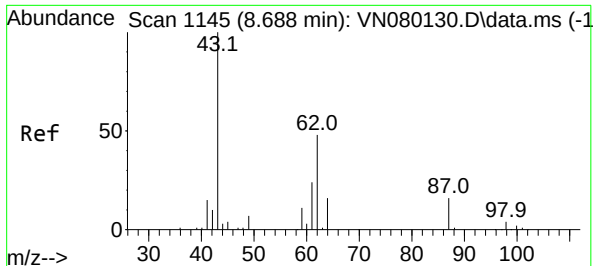
Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

192 19.6 12.7 19.1#





#43

Isopropyl Acetate

Concen: 19.864 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN080193.D

Acq: 18 Nov 2023 18:07

Instrument :

MSVOA\_N

ClientSampleId :

RB200018

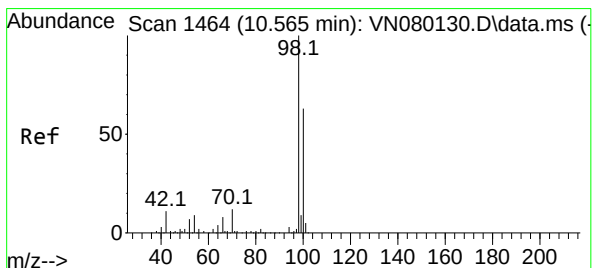
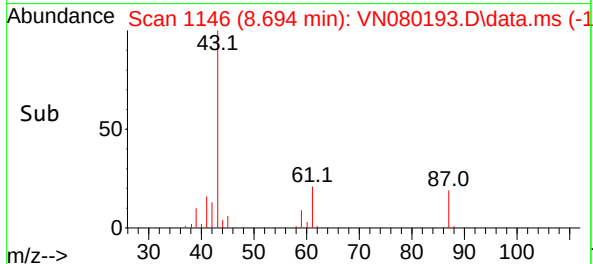
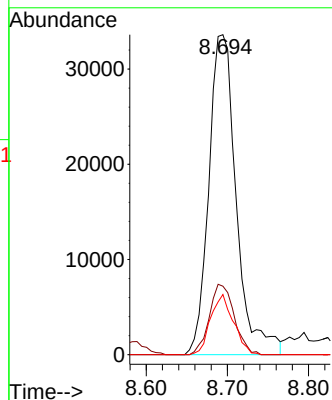
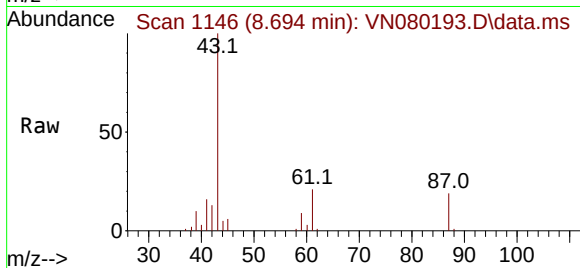
Tgt Ion: 43 Resp: 79098

Ion Ratio Lower Upper

43 100

61 19.9 24.7 37.1#

87 15.7 14.6 21.8



#50

Toluene-d8

Concen: 52.143 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080193.D

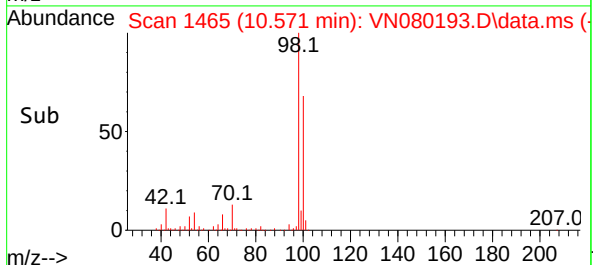
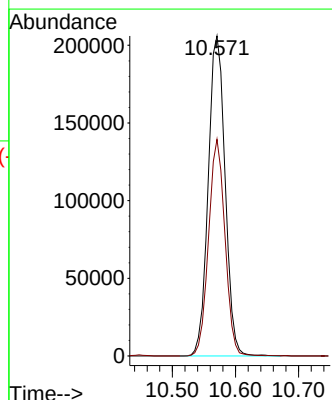
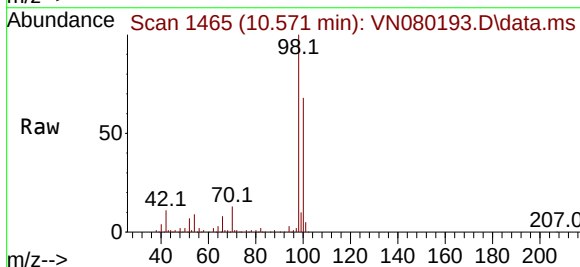
Acq: 18 Nov 2023 18:07

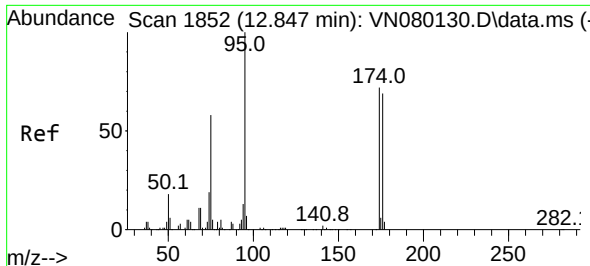
Tgt Ion: 98 Resp: 382997

Ion Ratio Lower Upper

98 100

100 65.7 52.0 78.0

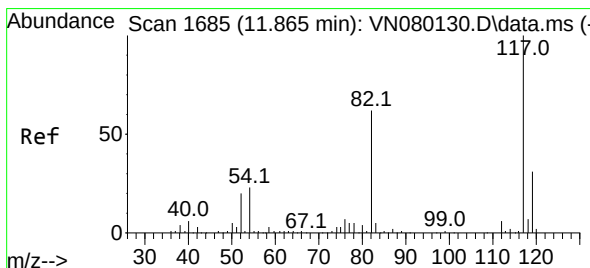
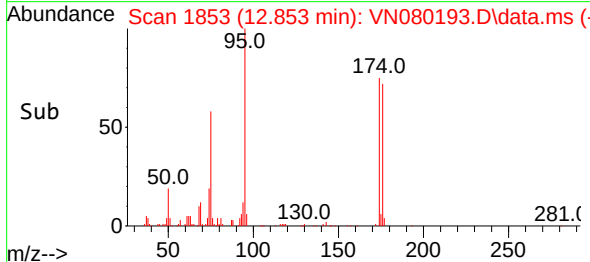
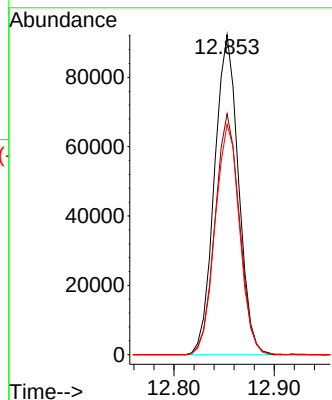
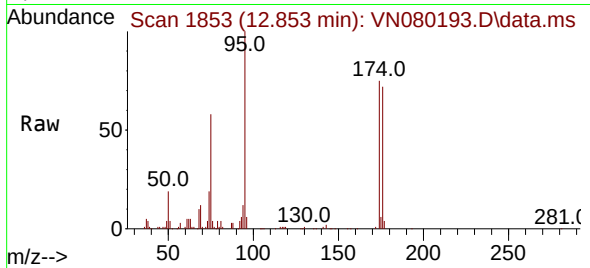




#62  
4-Bromofluorobenzene  
Concen: 55.334 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN080193.D  
Acq: 18 Nov 2023 18:07

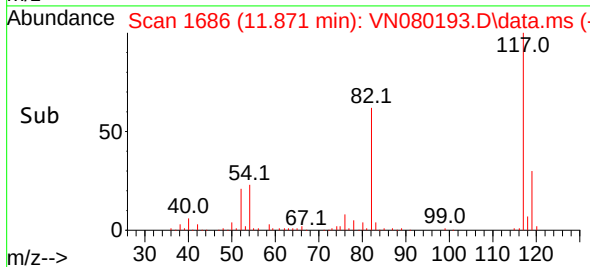
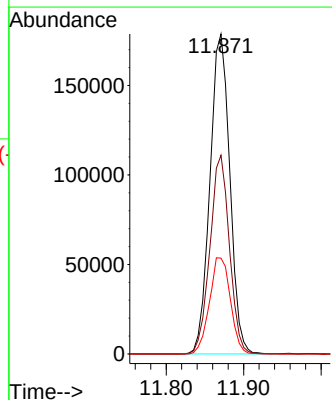
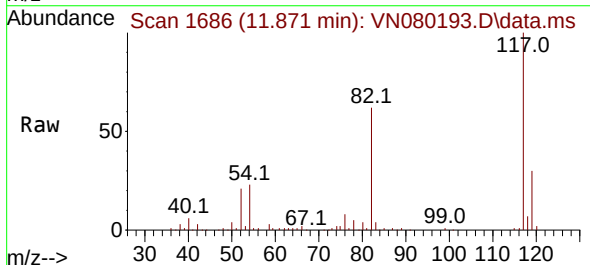
Instrument :  
MSVOA\_N  
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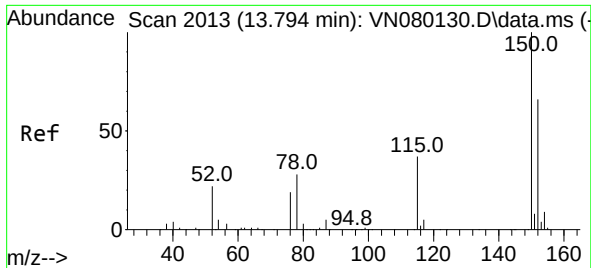
Tgt Ion: 95 Resp: 153519  
Ion Ratio Lower Upper  
95 100  
174 76.4 0.0 143.8  
176 73.6 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.006 min  
Lab File: VN080193.D  
Acq: 18 Nov 2023 18:07

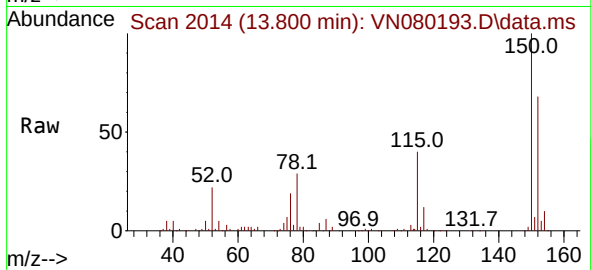
Tgt Ion: 117 Resp: 318124  
Ion Ratio Lower Upper  
117 100  
82 62.1 44.0 66.0  
119 30.0 25.6 38.4





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.800 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VN080193.D  
Acq: 18 Nov 2023 18:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
RB200018



Tgt Ion:152 Resp: 138689  
Ion Ratio Lower Upper  
152 100  
115 64.8 32.3 96.8  
150 157.1 0.0 355.8

