

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042423\  
 Data File : VN077458.D  
 Acq On : 25 Apr 2023 09:18  
 Operator : JC\MD  
 Sample : 02423-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SPD-1WC-23-04-18

Quant Time: Apr 25 09:39:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042423W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:50:59 2023  
 Response via : Initial Calibration

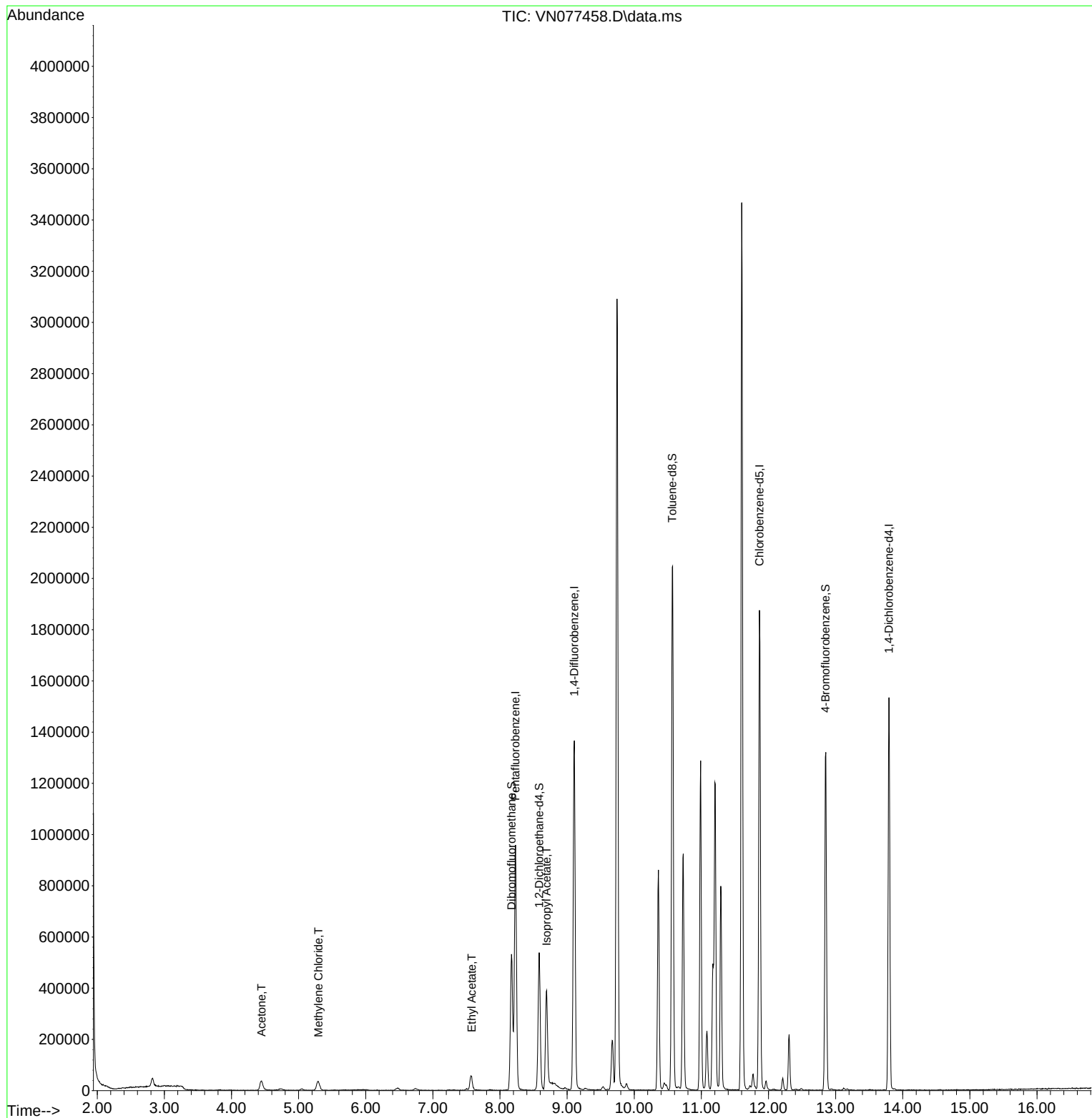
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.231  | 168   | 665189   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.107  | 114   | 1246737  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.866 | 117   | 1144756  | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.795 | 152   | 416342   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.584  | 65    | 428530   | 49.370   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 98.740%  |
| 35) Dibromofluoromethane    | 8.172  | 113   | 377450   | 50.371   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 100.740% |
| 50) Toluene-d8              | 10.566 | 98    | 1530672  | 53.298   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 106.600% |
| 62) 4-Bromofluorobenzene    | 12.848 | 95    | 488627   | 52.003   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 104.000% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.449  | 43    | 72890    | 26.396   | ug/l   | 98       |
| 20) Methylene Chloride      | 5.296  | 84    | 30206    | 3.449    | ug/l # | 91       |
| 37) Ethyl Acetate           | 7.578  | 43    | 84508    | 10.273   | ug/l   | 98       |
| 43) Isopropyl Acetate       | 8.695  | 43    | 435948   | 30.632   | ug/l # | 89       |
| -----                       |        |       |          |          |        |          |

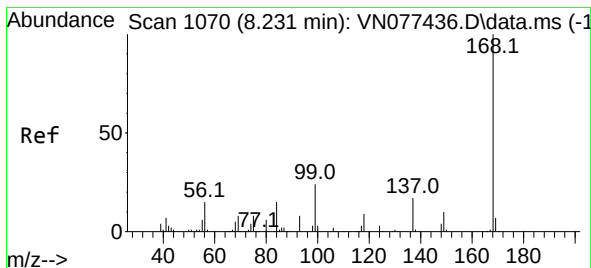
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 25 02:50:59 2023  
Response via : Initial Calibration

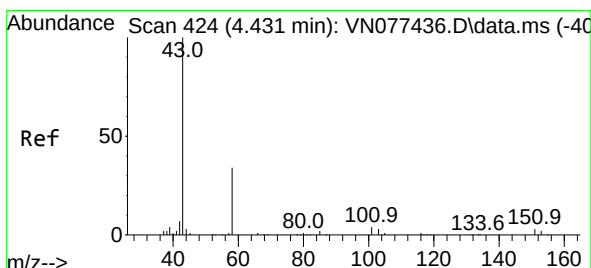
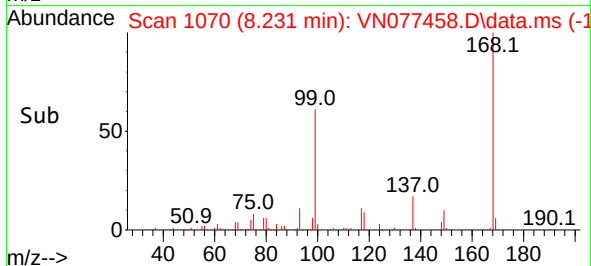
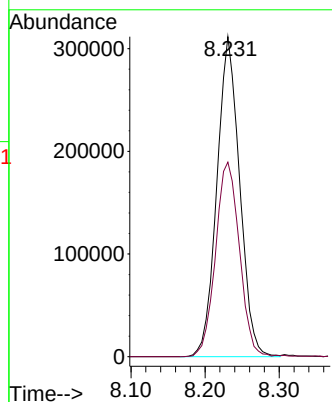
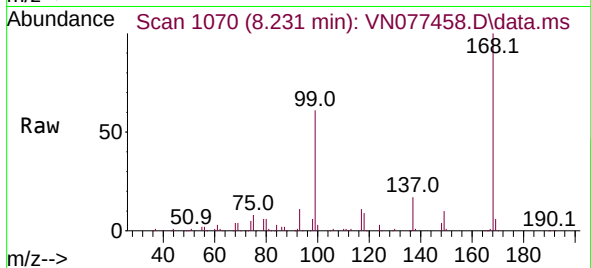




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.231 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN077458.D  
Acq: 25 Apr 2023 09:18

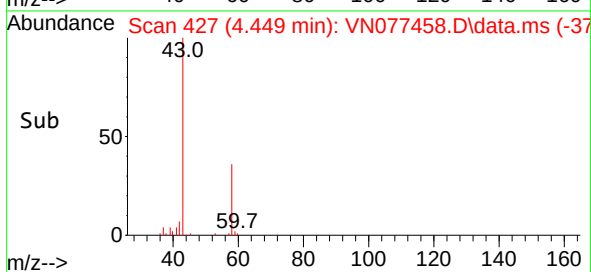
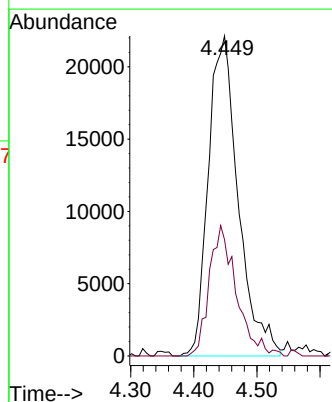
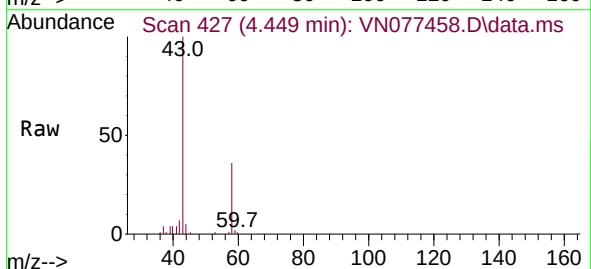
Instrument :  
MSVOA\_N  
ClientSampleId :  
SPD-1WC-23-04-18

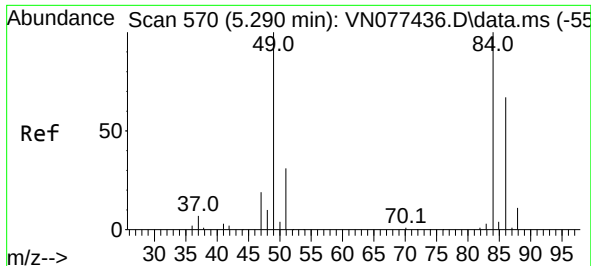
Tgt Ion:168 Resp: 665189  
Ion Ratio Lower Upper  
168 100  
99 60.8 53.0 79.6



#16  
Acetone  
Concen: 26.396 ug/l  
RT: 4.449 min Scan# 427  
Delta R.T. 0.018 min  
Lab File: VN077458.D  
Acq: 25 Apr 2023 09:18

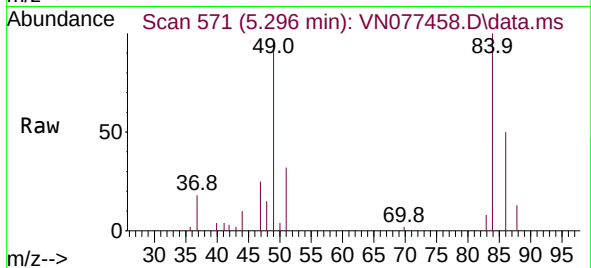
Tgt Ion: 43 Resp: 72890  
Ion Ratio Lower Upper  
43 100  
58 36.4 28.0 42.0



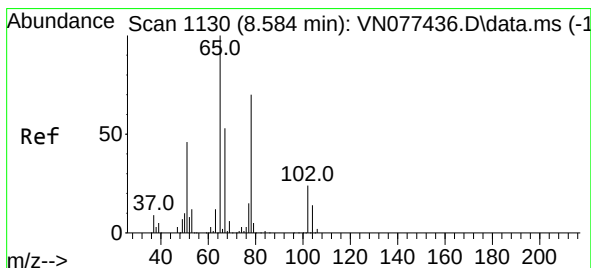
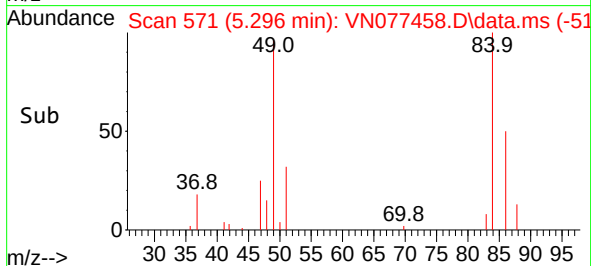
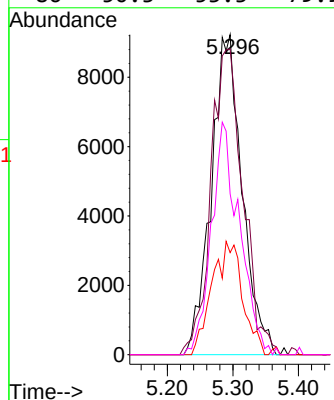


#20  
Methylene Chloride  
Concen: 3.449 ug/l  
RT: 5.296 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN077458.D  
Acq: 25 Apr 2023 09:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
SPD-1WC-23-04-18

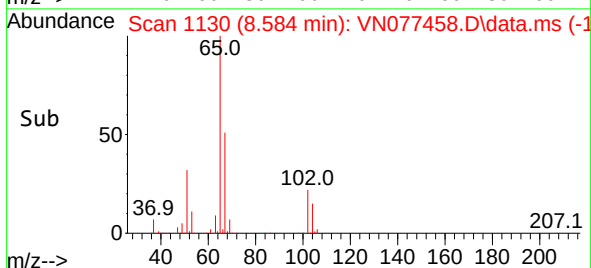
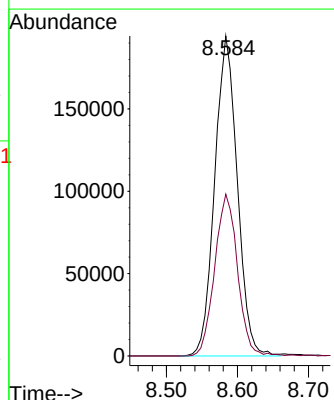
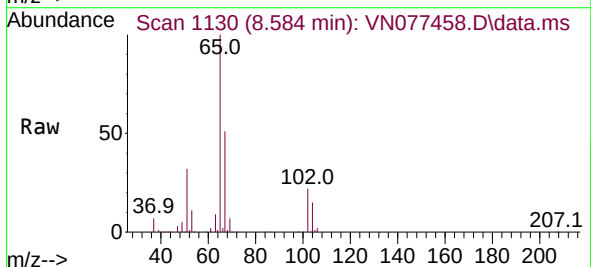


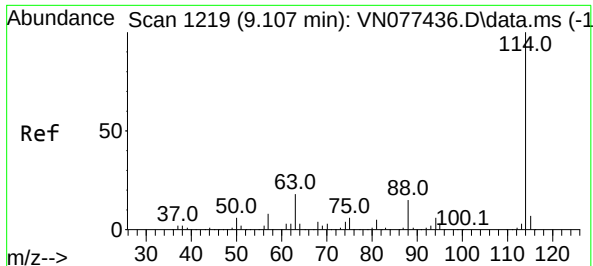
| Tgt Ion: | 84    | Resp: | 30206 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 95.6  | 79.7  | 119.5 |
| 51       | 31.9  | 25.2  | 37.8  |
| 86       | 50.3  | 53.3  | 79.9  |



#33  
1,2-Dichloroethane-d4  
Concen: 49.370 ug/l  
RT: 8.584 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VN077458.D  
Acq: 25 Apr 2023 09:18

| Tgt Ion: | 65    | Resp: | 428530 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.0  | 0.0   | 106.6  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN077458.D

Acq: 25 Apr 2023 09:18

Instrument :

MSVOA\_N

ClientSampleId :

SPD-1WC-23-04-18

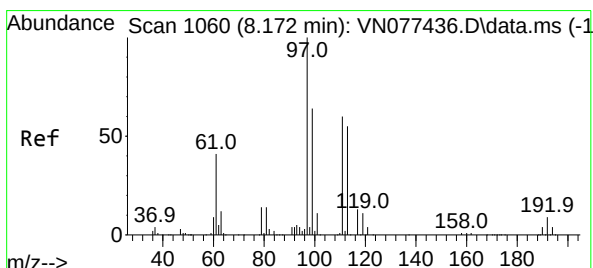
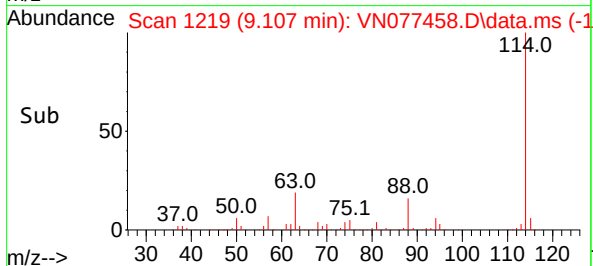
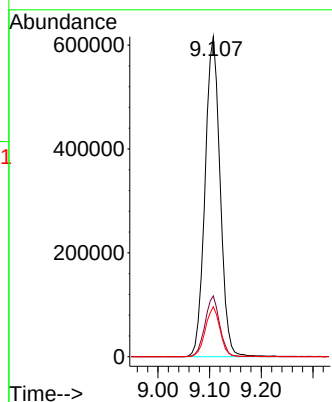
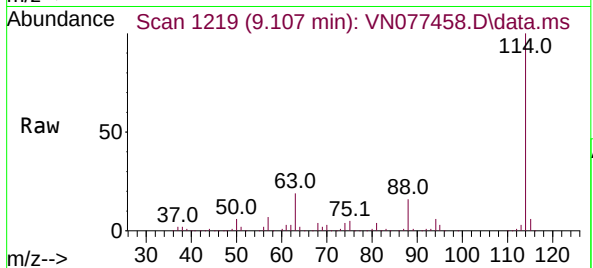
Tgt Ion:114 Resp: 1246737

Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.371 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. 0.000 min

Lab File: VN077458.D

Acq: 25 Apr 2023 09:18

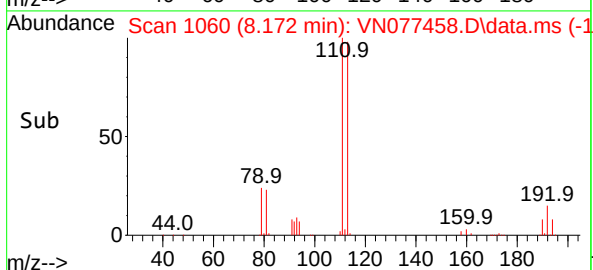
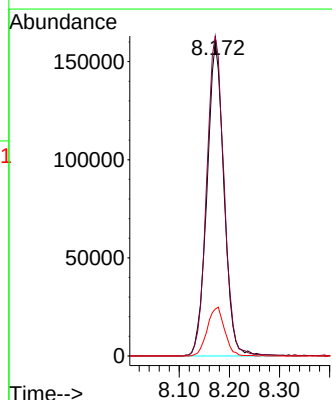
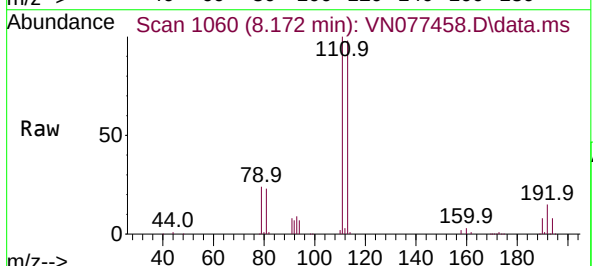
Tgt Ion:113 Resp: 377450

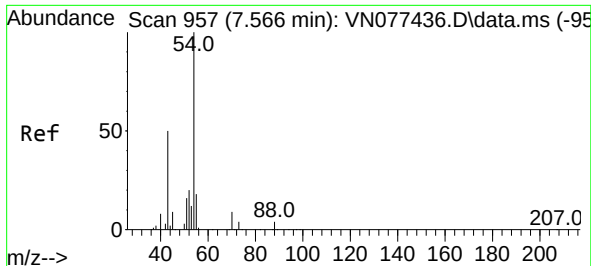
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

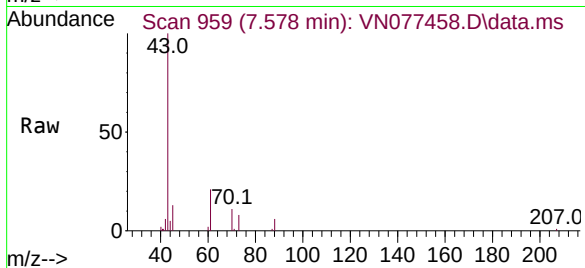
192 15.8 12.7 19.1



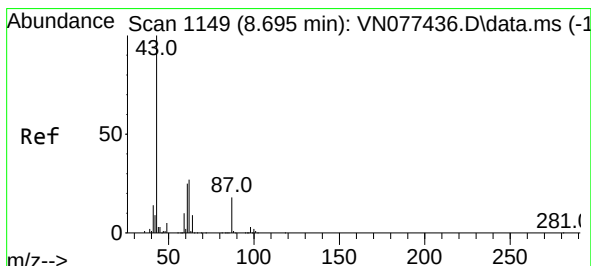
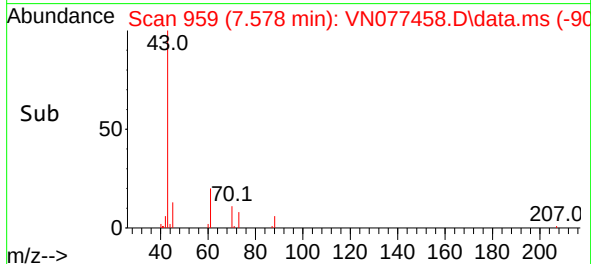
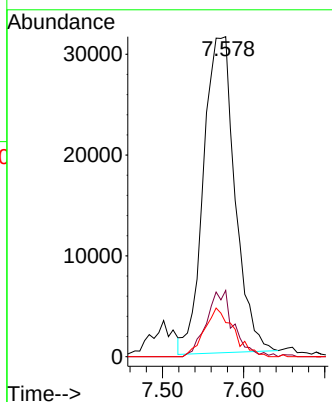


#37  
Ethyl Acetate  
Concen: 10.273 ug/l  
RT: 7.578 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VN077458.D  
Acq: 25 Apr 2023 09:18

Instrument :  
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ClientSampleId :  
SPD-1WC-23-04-18

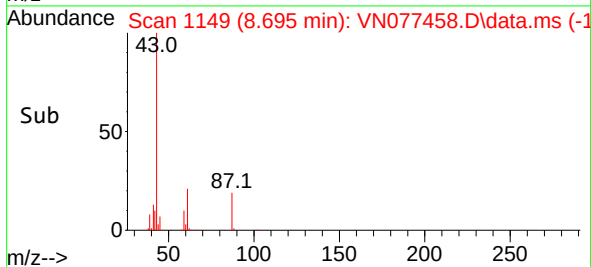
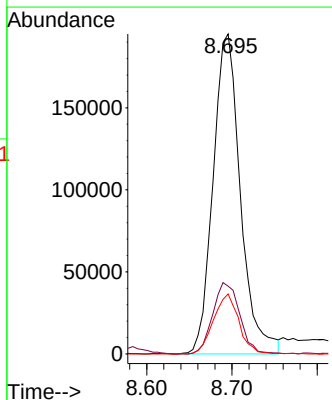
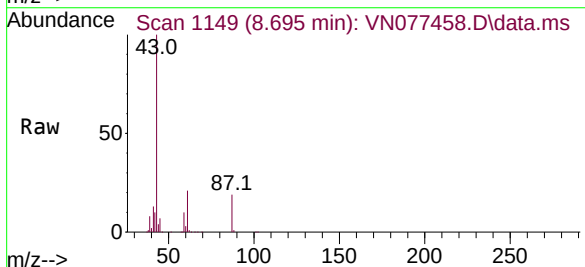


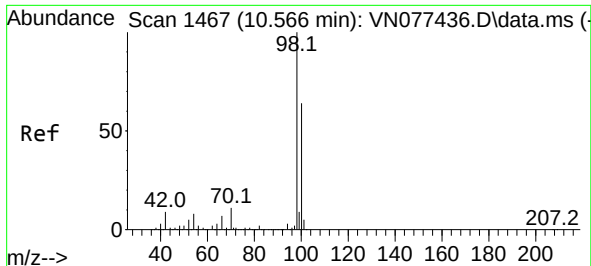
Tgt Ion: 43 Resp: 84508  
Ion Ratio Lower Upper  
43 100  
61 18.0 13.2 19.8  
70 14.3 11.3 16.9



#43  
Isopropyl Acetate  
Concen: 30.632 ug/l  
RT: 8.695 min Scan# 1149  
Delta R.T. 0.000 min  
Lab File: VN077458.D  
Acq: 25 Apr 2023 09:18

Tgt Ion: 43 Resp: 435948  
Ion Ratio Lower Upper  
43 100  
61 22.0 24.7 37.1#  
87 17.4 14.6 21.8

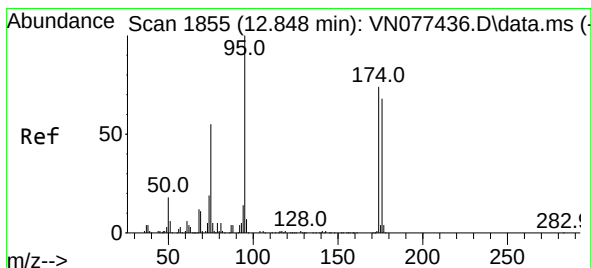
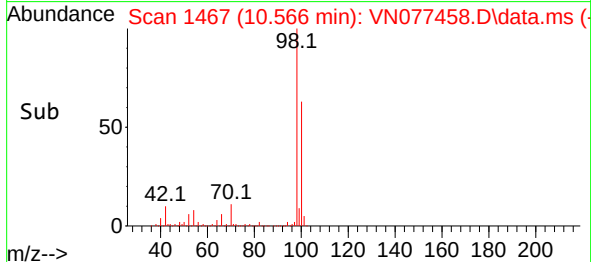
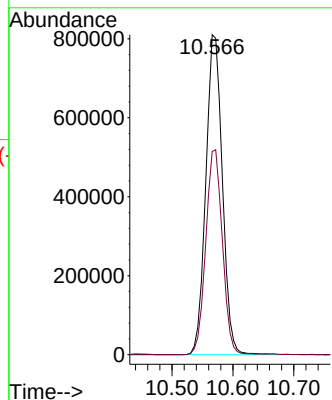
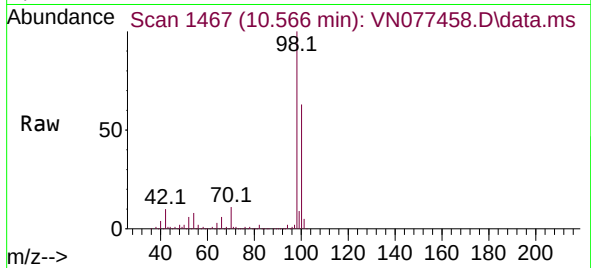




#50  
Toluene-d8  
Concen: 53.298 ug/l  
RT: 10.566 min Scan# 1467  
Delta R.T. 0.000 min  
Lab File: VN077458.D  
Acq: 25 Apr 2023 09:18

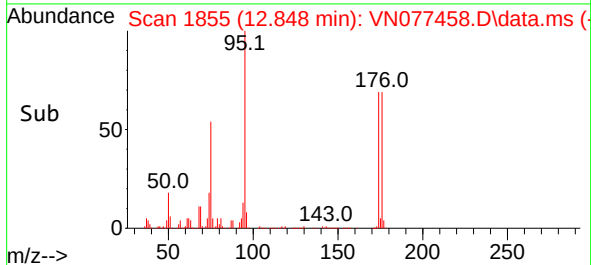
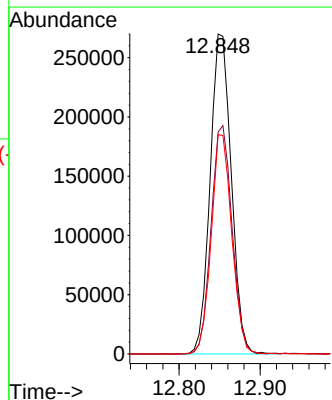
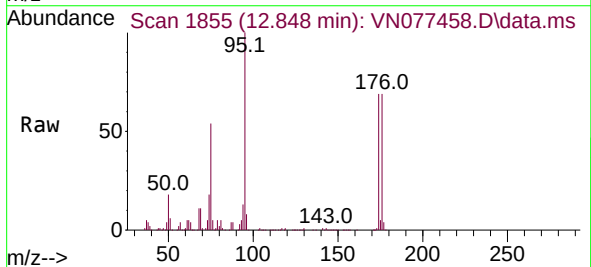
Instrument :  
MSVOA\_N  
ClientSampleId :  
SPD-1WC-23-04-18

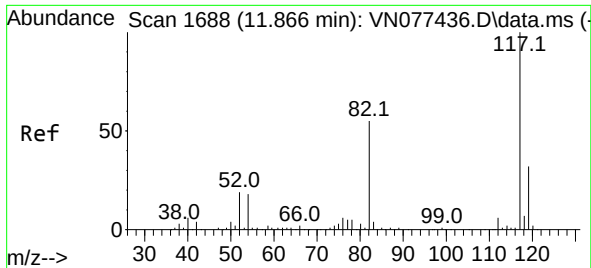
Tgt Ion: 98 Resp: 1530672  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 52.003 ug/l  
RT: 12.848 min Scan# 1855  
Delta R.T. 0.000 min  
Lab File: VN077458.D  
Acq: 25 Apr 2023 09:18

Tgt Ion: 95 Resp: 488627  
Ion Ratio Lower Upper  
95 100  
174 70.8 0.0 143.8  
176 66.9 0.0 135.8

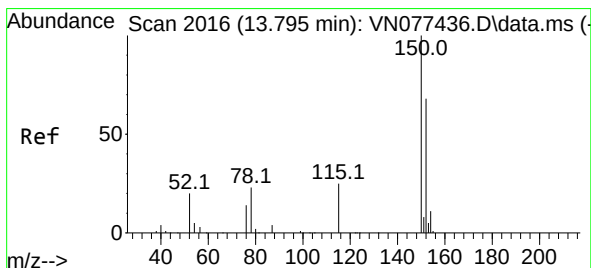
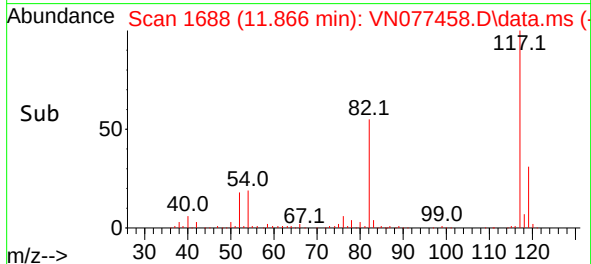
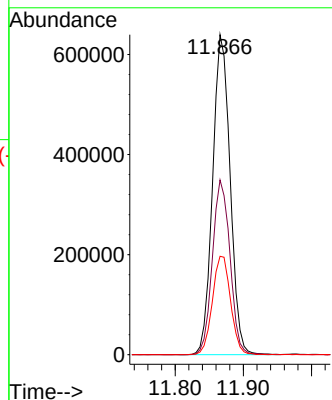
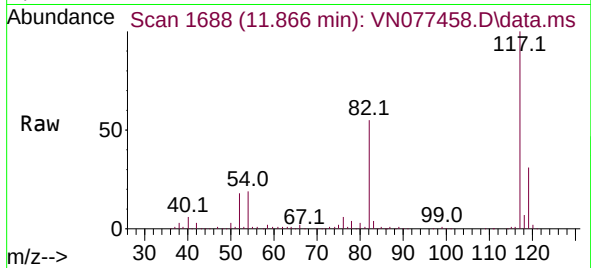




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.866 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN077458.D  
Acq: 25 Apr 2023 09:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
SPD-1WC-23-04-18

Tgt Ion:117 Resp: 1144756  
Ion Ratio Lower Upper  
117 100  
82 54.6 44.0 66.0  
119 30.7 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.795 min Scan# 2016  
Delta R.T. 0.000 min  
Lab File: VN077458.D  
Acq: 25 Apr 2023 09:18

Tgt Ion:152 Resp: 416342  
Ion Ratio Lower Upper  
152 100  
115 62.6 32.3 96.8  
150 156.6 0.0 355.8

