

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042423\  
 Data File : VN077450.D  
 Acq On : 25 Apr 2023 06:05  
 Operator : JC\MD  
 Sample : PB152304ZHE#01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB152304ZHE#01

Quant Time: Apr 25 08:41:43 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

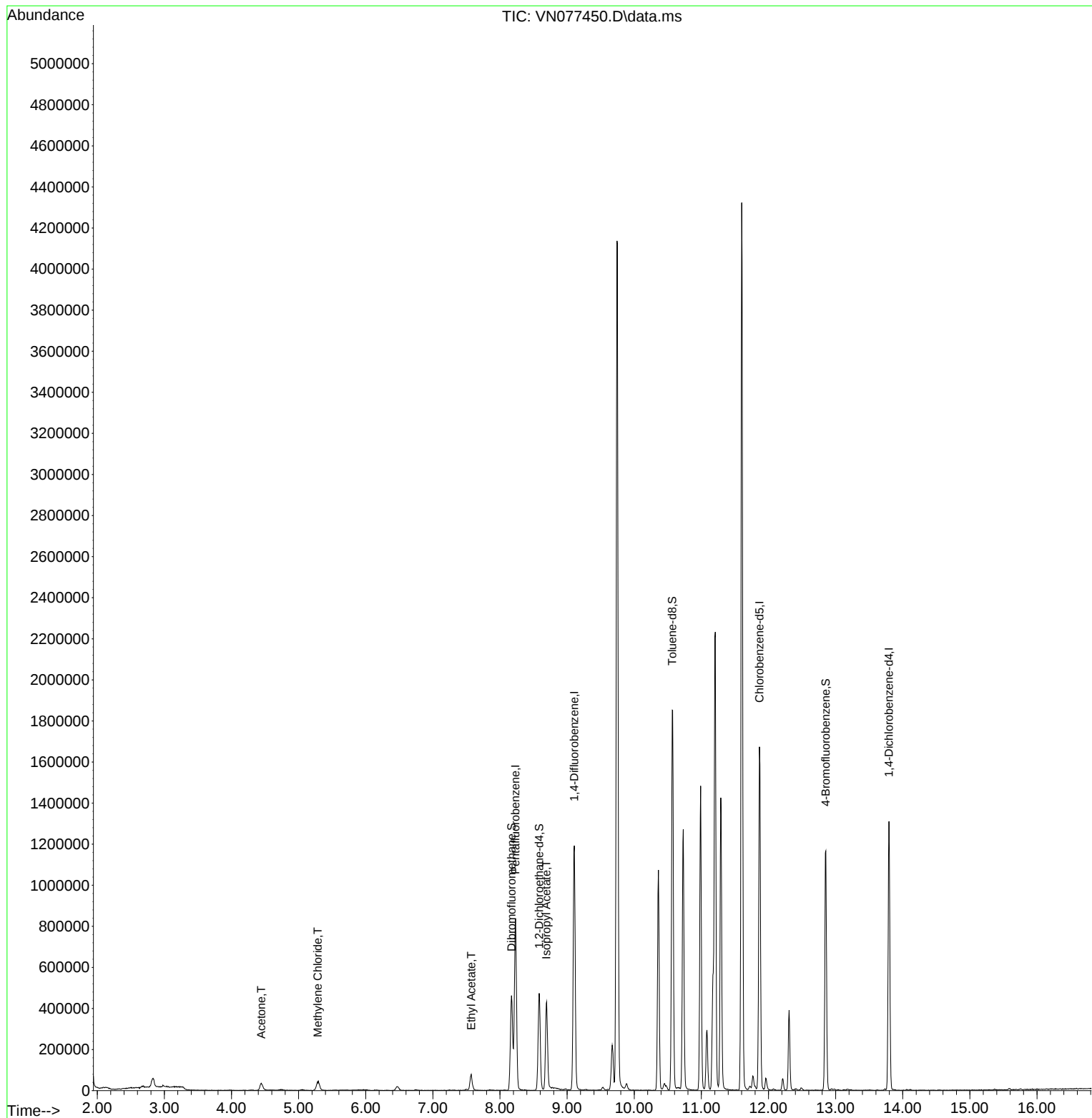
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 596595   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.107  | 114   | 1106376  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.866 | 117   | 1011894  | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.795 | 152   | 358006   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 385685   | 49.543   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 99.080%  |
| 35) Dibromofluoromethane    | 8.172  | 113   | 327763   | 49.289   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 98.580%  |
| 50) Toluene-d8              | 10.566 | 98    | 1354359  | 53.141   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 106.280% |
| 62) 4-Bromofluorobenzene    | 12.854 | 95    | 426001   | 51.089   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 102.180% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.442  | 43    | 65097    | 26.284   | ug/l   | 97       |
| 20) Methylene Chloride      | 5.284  | 84    | 39907    | 5.081    | ug/l # | 96       |
| 37) Ethyl Acetate           | 7.572  | 43    | 104885   | 14.367   | ug/l   | 99       |
| 43) Isopropyl Acetate       | 8.689  | 43    | 478181   | 37.862   | ug/l # | 90       |
| -----                       |        |       |          |          |        |          |

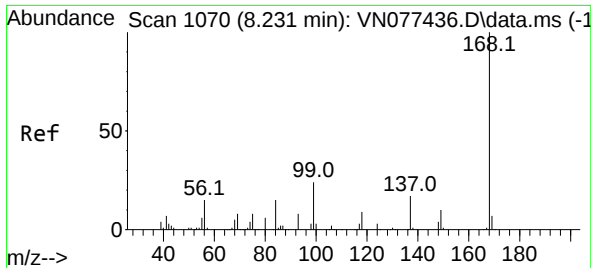
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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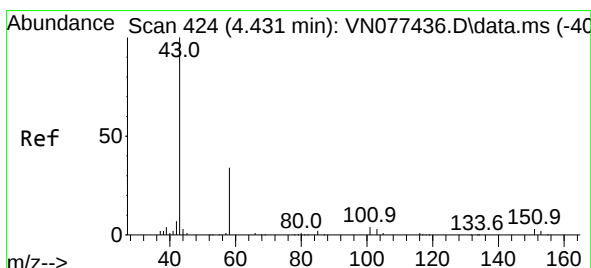
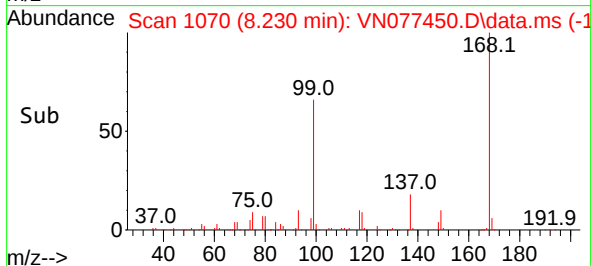
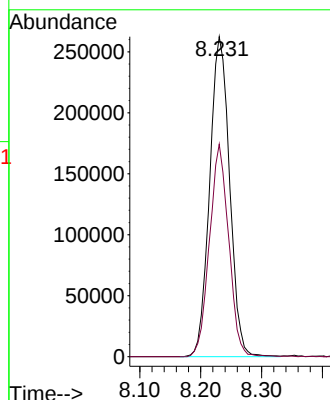
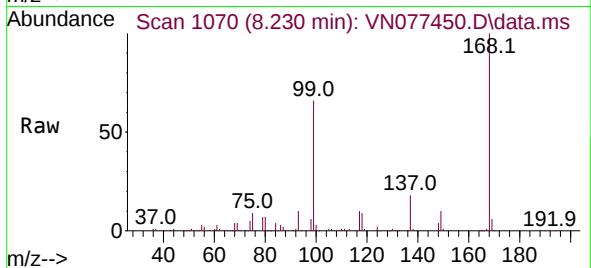




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1070  
Delta R.T. -0.001 min  
Lab File: VN077450.D  
Acq: 25 Apr 2023 06:05

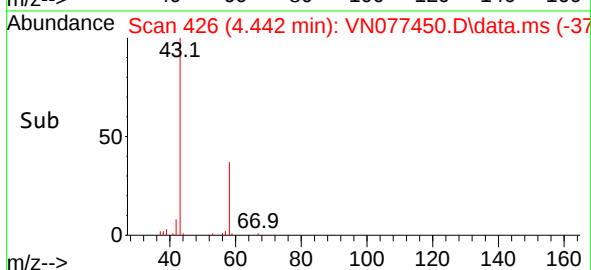
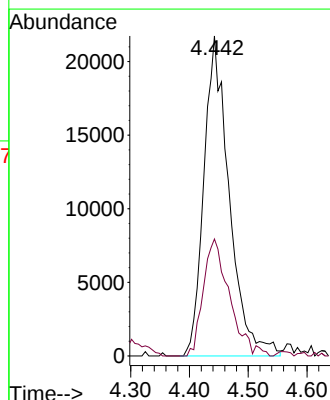
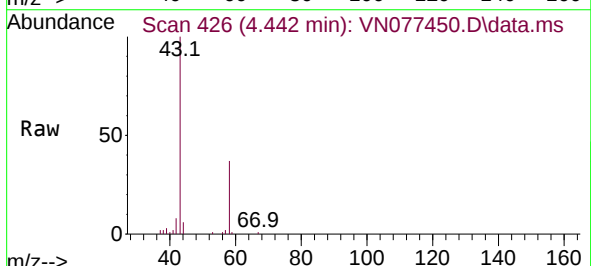
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB152304ZHE#01

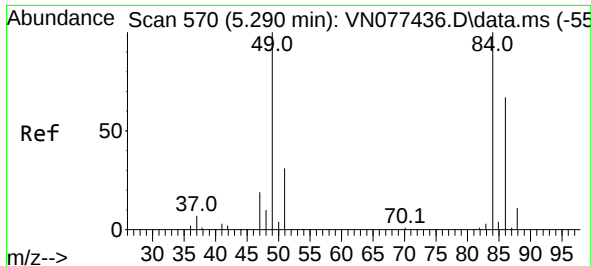
Tgt Ion:168 Resp: 596595  
Ion Ratio Lower Upper  
168 100  
99 66.4 53.0 79.6



#16  
Acetone  
Concen: 26.284 ug/l  
RT: 4.442 min Scan# 426  
Delta R.T. 0.012 min  
Lab File: VN077450.D  
Acq: 25 Apr 2023 06:05

Tgt Ion: 43 Resp: 65097  
Ion Ratio Lower Upper  
43 100  
58 36.6 28.0 42.0

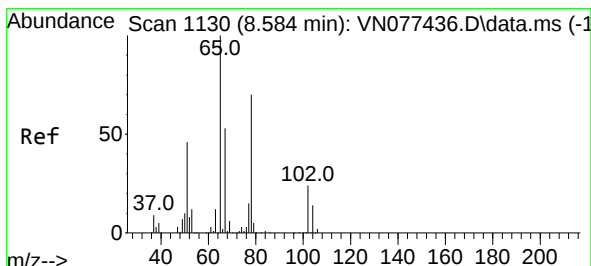
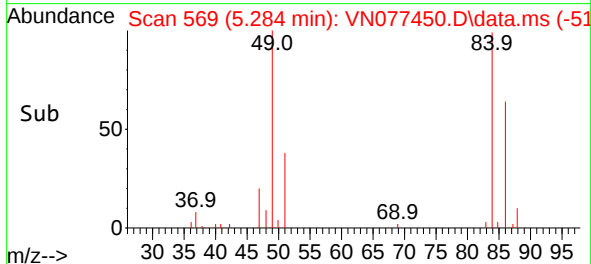
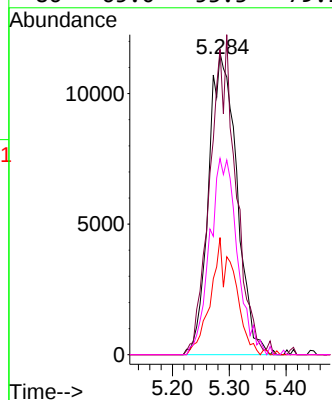
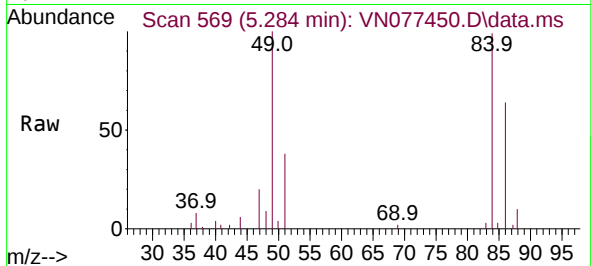




#20  
Methylene Chloride  
Concen: 5.081 ug/l  
RT: 5.284 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VN077450.D  
Acq: 25 Apr 2023 06:05

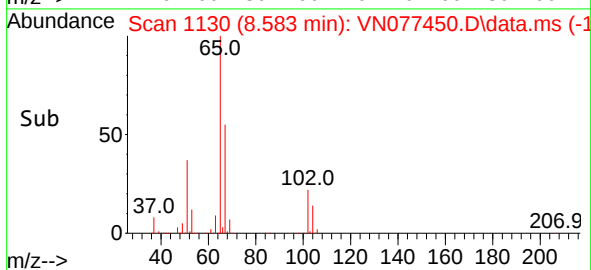
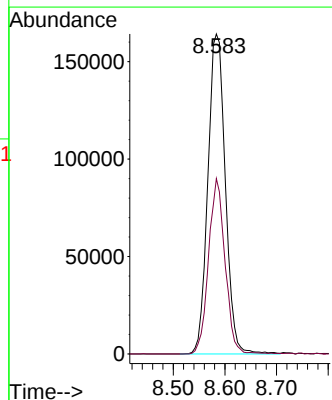
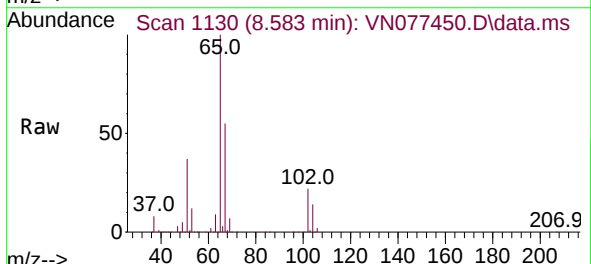
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB152304ZHE#01

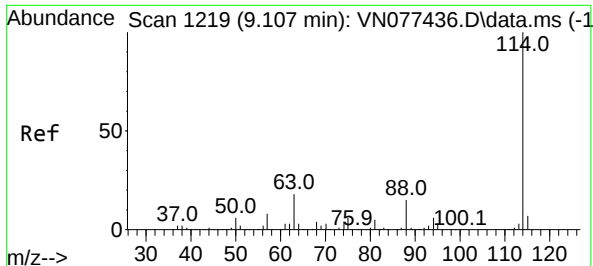
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 39907 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 101.2 | 79.7  | 119.5 |
| 51       | 38.8  | 25.2  | 37.8# |
| 86       | 65.0  | 53.3  | 79.9  |



#33  
1,2-Dichloroethane-d4  
Concen: 49.543 ug/l  
RT: 8.583 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VN077450.D  
Acq: 25 Apr 2023 06:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 385685 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.6  | 0.0   | 106.6  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077450.D

Acq: 25 Apr 2023 06:05

Instrument :

MSVOA\_N

ClientSampleId :

PB152304ZHE#01

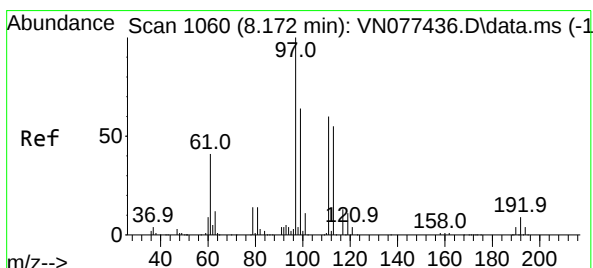
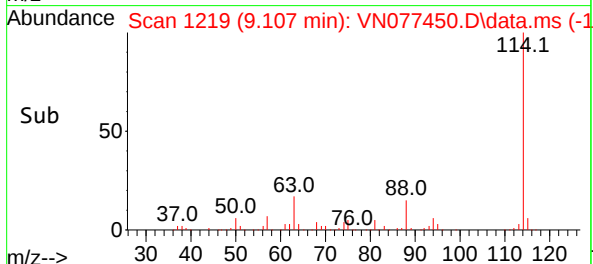
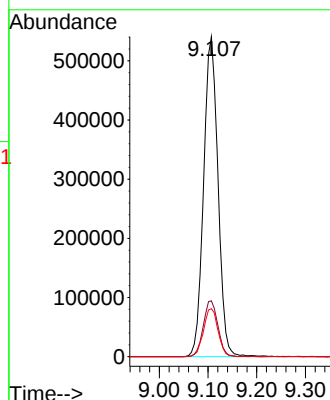
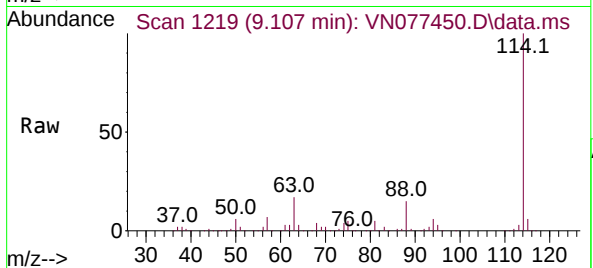
Tgt Ion:114 Resp: 1106376

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.289 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077450.D

Acq: 25 Apr 2023 06:05

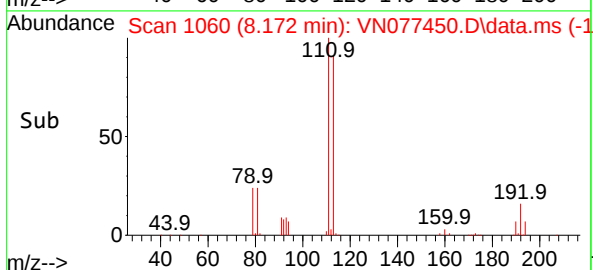
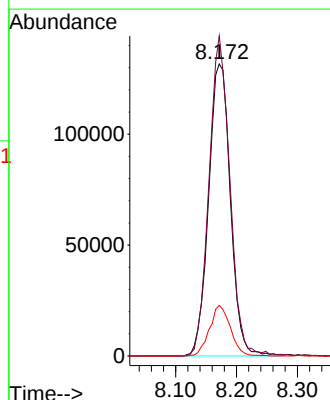
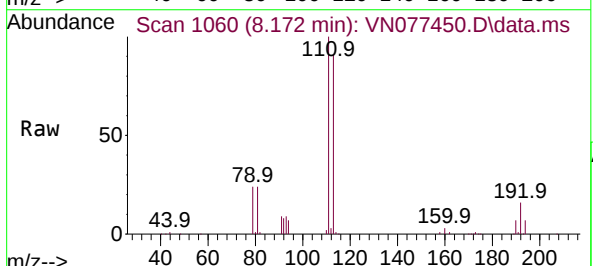
Tgt Ion:113 Resp: 327763

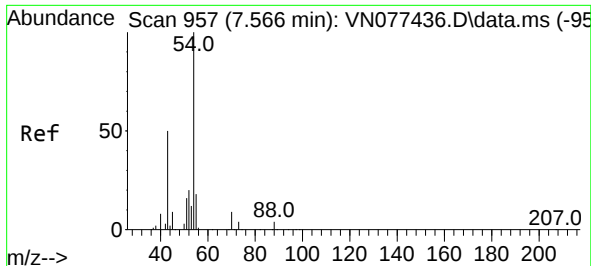
Ion Ratio Lower Upper

113 100

111 105.1 82.6 123.8

192 16.6 12.7 19.1

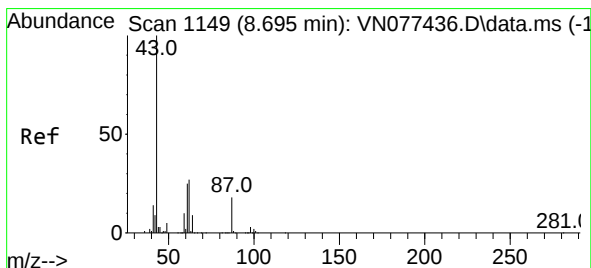
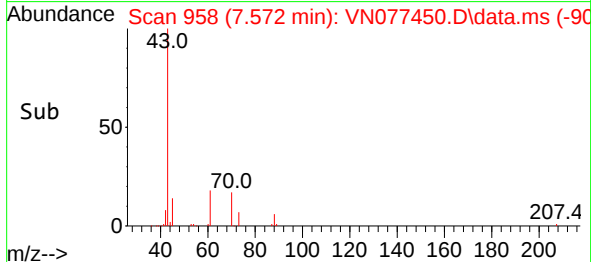
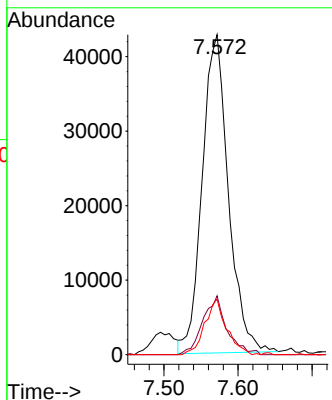
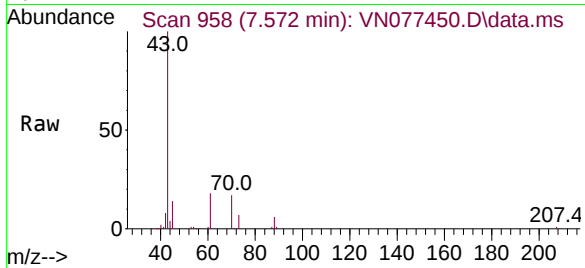




#37  
Ethyl Acetate  
Concen: 14.367 ug/l  
RT: 7.572 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN077450.D  
Acq: 25 Apr 2023 06:05

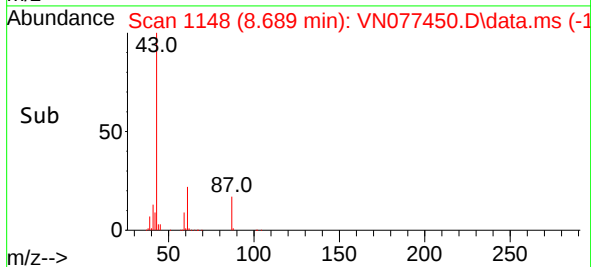
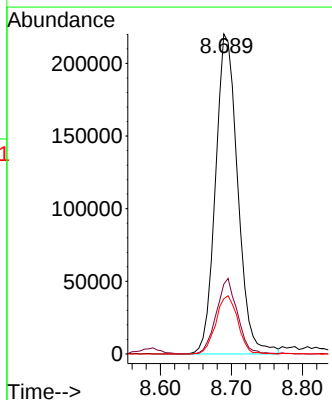
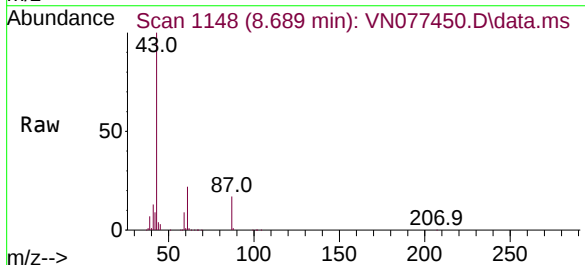
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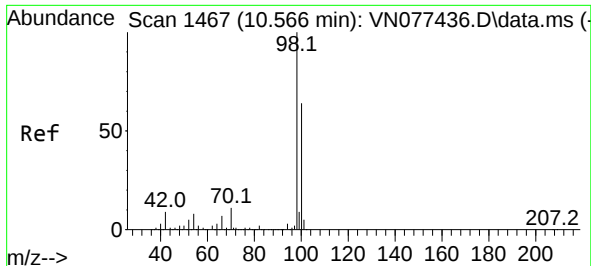
Tgt Ion: 43 Resp: 104885  
Ion Ratio Lower Upper  
43 100  
61 16.9 13.2 19.8  
70 14.4 11.3 16.9



#43  
Isopropyl Acetate  
Concen: 37.862 ug/l  
RT: 8.689 min Scan# 1148  
Delta R.T. -0.006 min  
Lab File: VN077450.D  
Acq: 25 Apr 2023 06:05

Tgt Ion: 43 Resp: 478181  
Ion Ratio Lower Upper  
43 100  
61 22.3 24.7 37.1#  
87 17.9 14.6 21.8

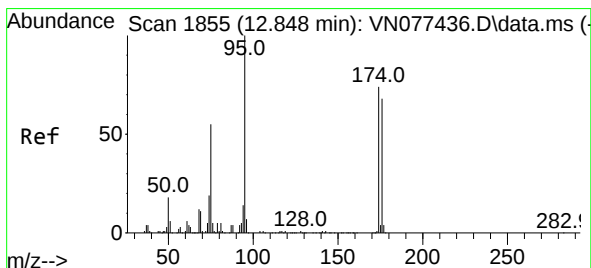
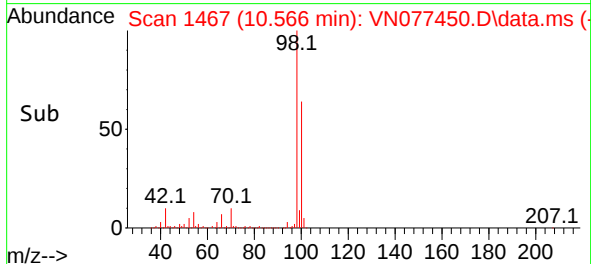
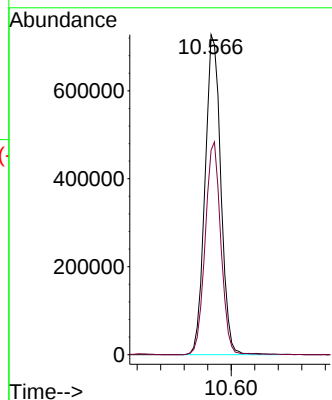
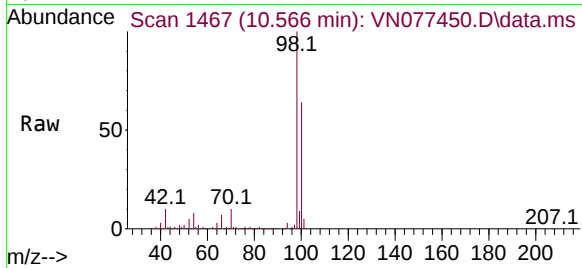




#50  
Toluene-d8  
Concen: 53.141 ug/l  
RT: 10.566 min Scan# 1467  
Delta R.T. -0.000 min  
Lab File: VN077450.D  
Acq: 25 Apr 2023 06:05

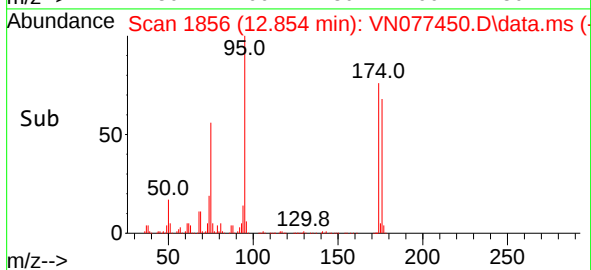
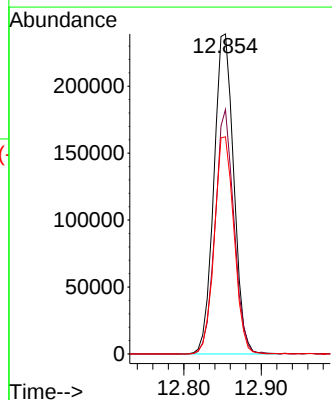
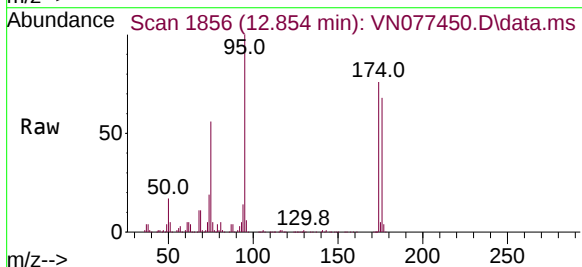
Instrument :  
MSVOA\_N  
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PB152304ZHE#01

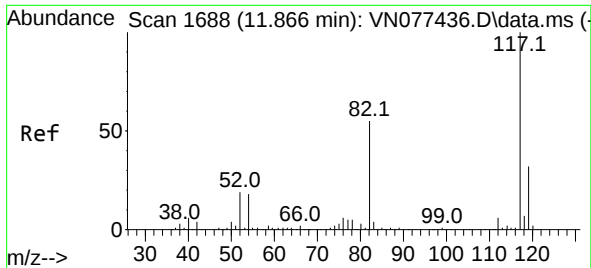
Tgt Ion: 98 Resp: 1354359  
Ion Ratio Lower Upper  
98 100  
100 66.0 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 51.089 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.006 min  
Lab File: VN077450.D  
Acq: 25 Apr 2023 06:05

Tgt Ion: 95 Resp: 426001  
Ion Ratio Lower Upper  
95 100  
174 72.3 0.0 143.8  
176 67.2 0.0 135.8

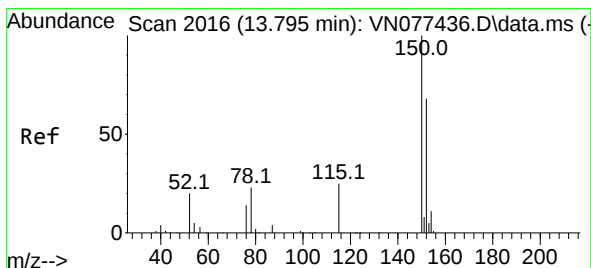
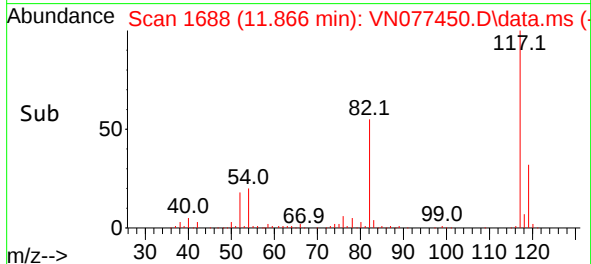
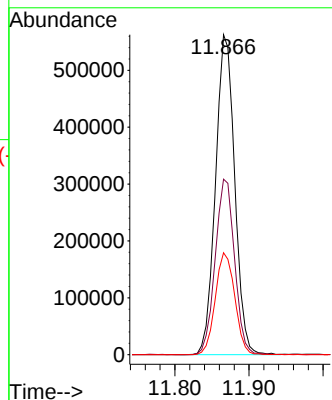
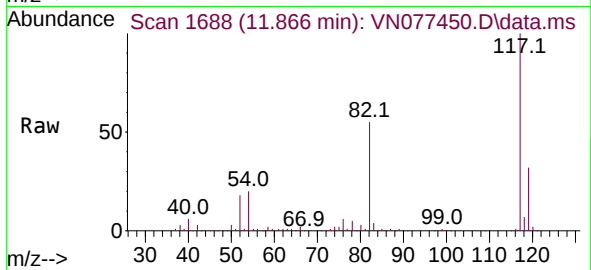




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.866 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN077450.D  
Acq: 25 Apr 2023 06:05

Instrument :  
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ClientSampleId :  
PB152304ZHE#01

Tgt Ion:117 Resp: 1011894  
Ion Ratio Lower Upper  
117 100  
82 54.9 44.0 66.0  
119 31.9 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: VN077450.D  
Acq: 25 Apr 2023 06:05

Tgt Ion:152 Resp: 358006  
Ion Ratio Lower Upper  
152 100  
115 63.1 32.3 96.8  
150 156.0 0.0 355.8

