

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032223\  
 Data File : VN077136.D  
 Acq On : 23 Mar 2023 08:37  
 Operator : JC\MD  
 Sample : 02016-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 032023-1

Quant Time: Mar 23 09:30:59 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031723W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 20 08:50:30 2023  
 Response via : Initial Calibration

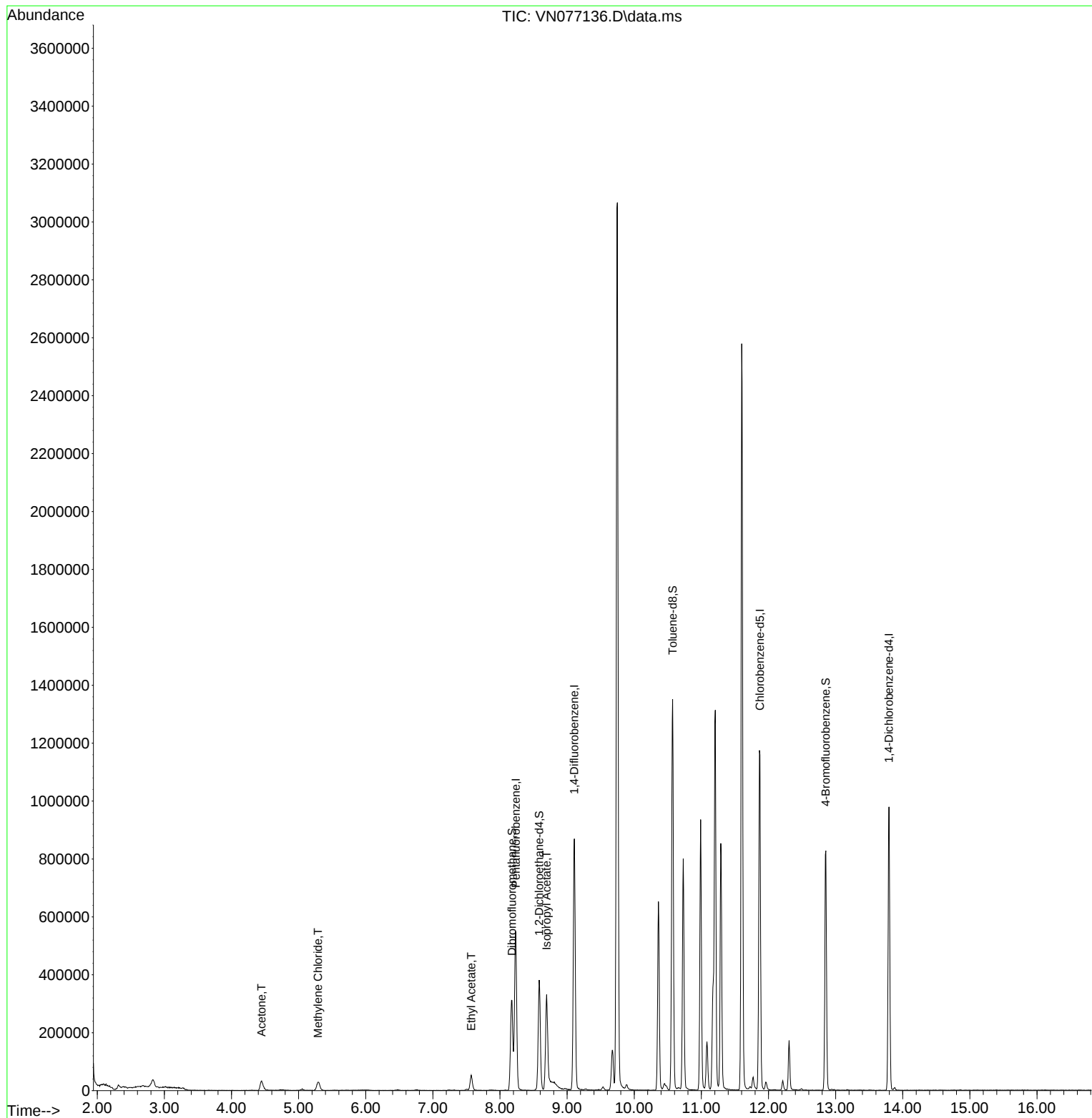
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.236  | 168   | 388455   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.107  | 114   | 705304   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.872 | 117   | 654180   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.795 | 152   | 247525   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.584  | 65    | 301577   | 48.603   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 97.200%  |
| 35) Dibromofluoromethane    | 8.178  | 113   | 226556   | 45.868   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 91.740%  |
| 50) Toluene-d8              | 10.572 | 98    | 906832   | 51.396   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 102.800% |
| 62) 4-Bromofluorobenzene    | 12.854 | 95    | 270343   | 43.361   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 86.720%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.448  | 43    | 64732    | 23.413   | ug/l   | 96       |
| 20) Methylene Chloride      | 5.290  | 84    | 22408    | 3.734    | ug/l # | 93       |
| 37) Ethyl Acetate           | 7.572  | 43    | 76657    | 9.287    | ug/l   | 99       |
| 43) Isopropyl Acetate       | 8.695  | 43    | 379668   | 29.444   | ug/l # | 84       |
| -----                       |        |       |          |          |        |          |

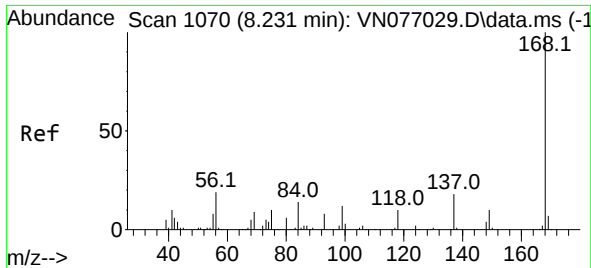
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031723W.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 20 08:50:30 2023  
Response via : Initial Calibration

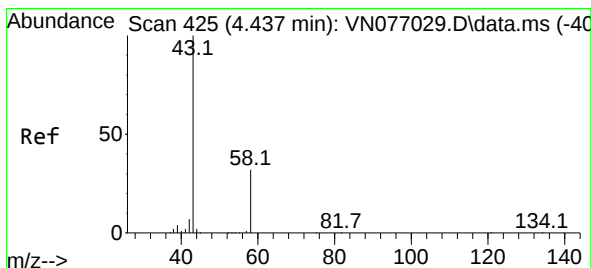
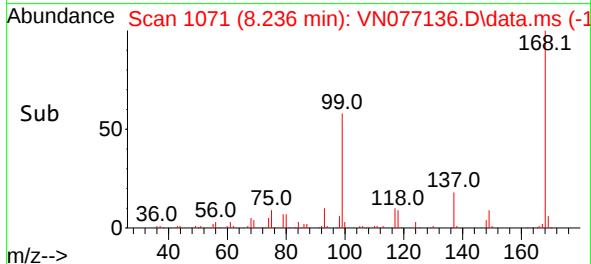
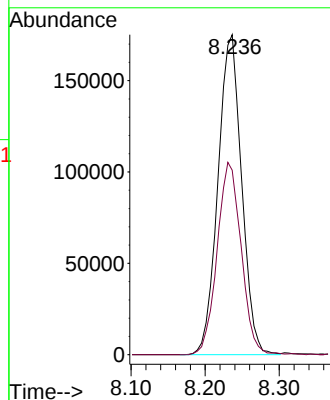
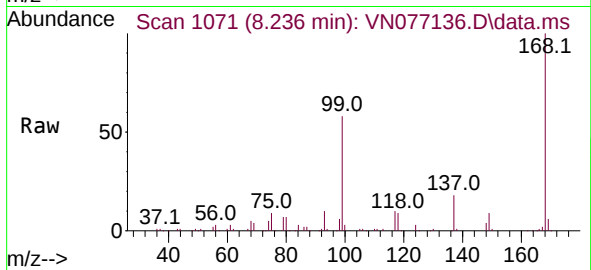




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.236 min Scan# 1070  
Delta R.T. 0.005 min  
Lab File: VN077136.D  
Acq: 23 Mar 2023 08:37

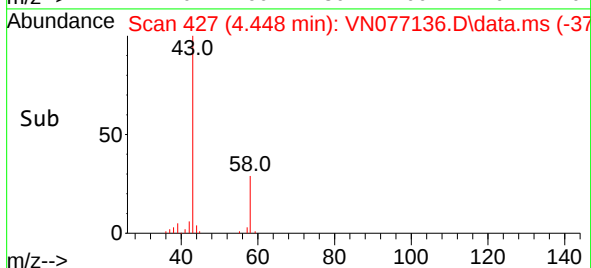
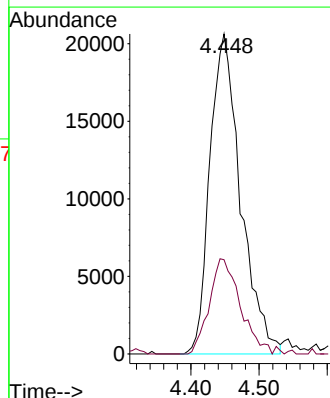
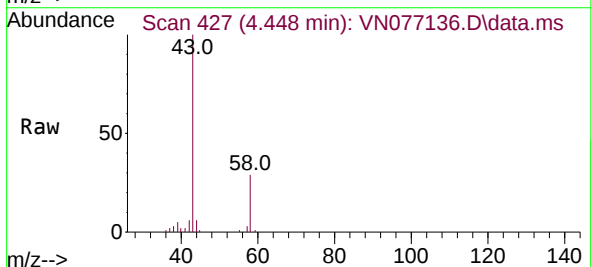
Instrument :  
MSVOA\_N  
ClientSampleId :  
032023-1

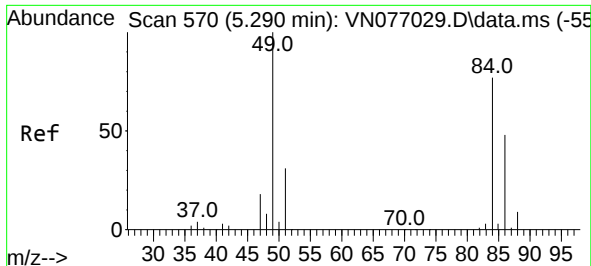
Tgt Ion:168 Resp: 388455  
Ion Ratio Lower Upper  
168 100  
99 57.7 53.9 80.9



#16  
Acetone  
Concen: 23.413 ug/l  
RT: 4.448 min Scan# 427  
Delta R.T. 0.011 min  
Lab File: VN077136.D  
Acq: 23 Mar 2023 08:37

Tgt Ion: 43 Resp: 64732  
Ion Ratio Lower Upper  
43 100  
58 29.5 25.4 38.0

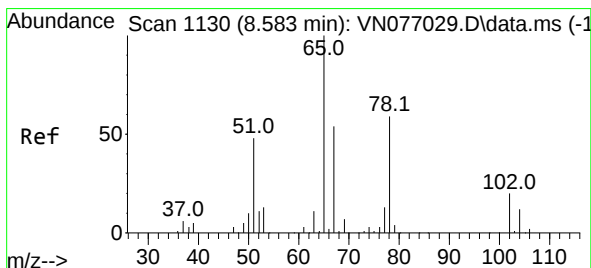
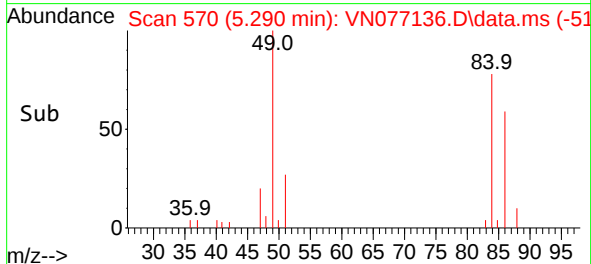
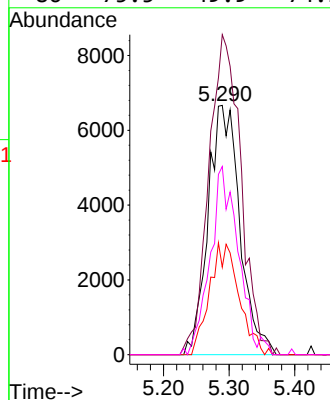
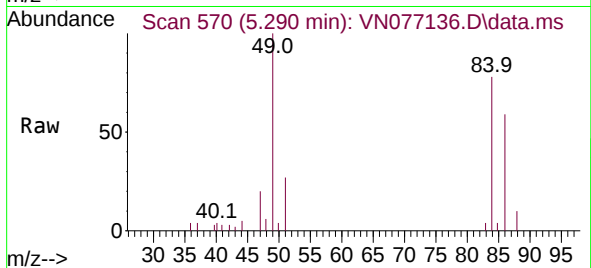




#20  
Methylene Chloride  
Concen: 3.734 ug/l  
RT: 5.290 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN077136.D  
Acq: 23 Mar 2023 08:37

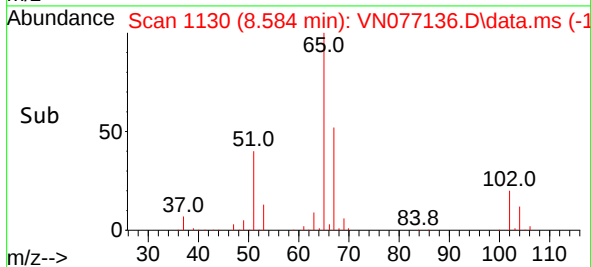
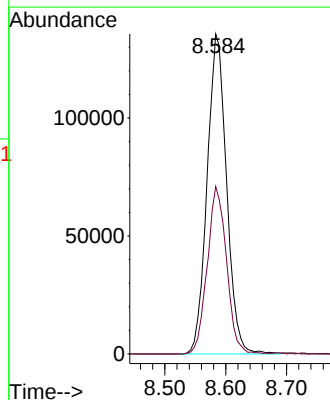
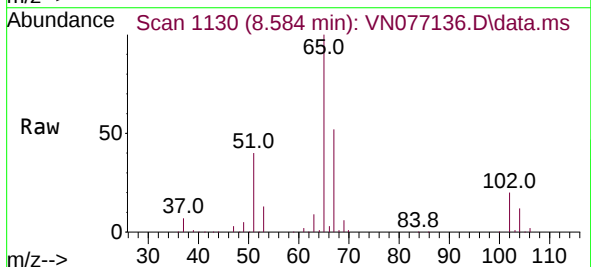
Instrument :  
MSVOA\_N  
ClientSampleId :  
032023-1

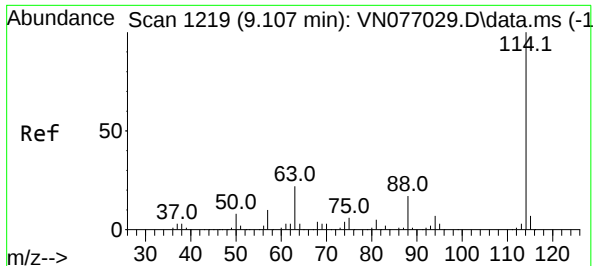
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 22408 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 128.4 | 103.8 | 155.6 |
| 51       | 35.1  | 32.3  | 48.5  |
| 86       | 75.5  | 49.9  | 74.9  |



#33  
1,2-Dichloroethane-d4  
Concen: 48.603 ug/l  
RT: 8.584 min Scan# 1130  
Delta R.T. 0.001 min  
Lab File: VN077136.D  
Acq: 23 Mar 2023 08:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 301577 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.8  | 0.0   | 105.2  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077136.D

Acq: 23 Mar 2023 08:37

Instrument :

MSVOA\_N

ClientSampleId :

032023-1

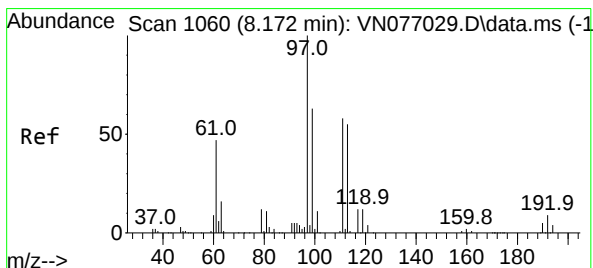
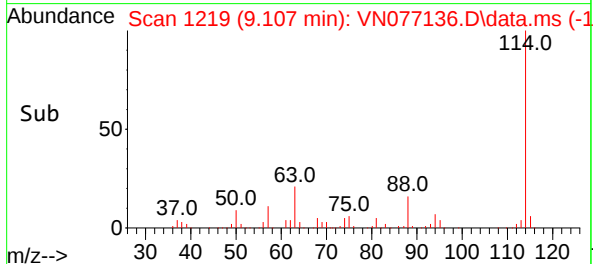
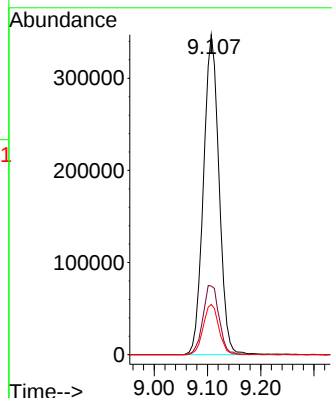
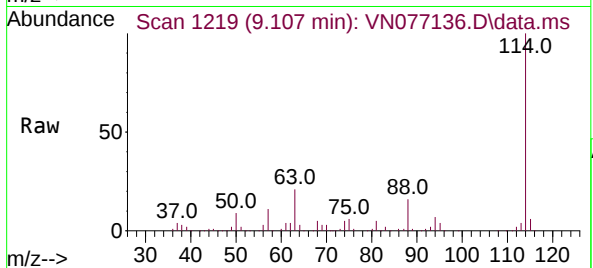
Tgt Ion:114 Resp: 705304

Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.6

88 15.7 0.0 33.8



#35

Dibromofluoromethane

Concen: 45.868 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VN077136.D

Acq: 23 Mar 2023 08:37

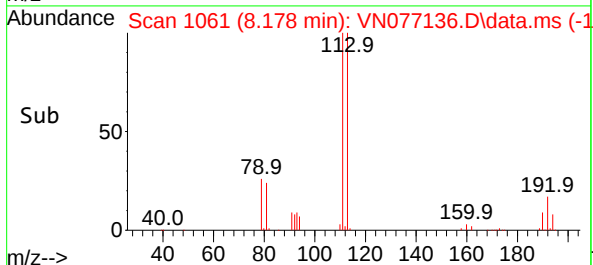
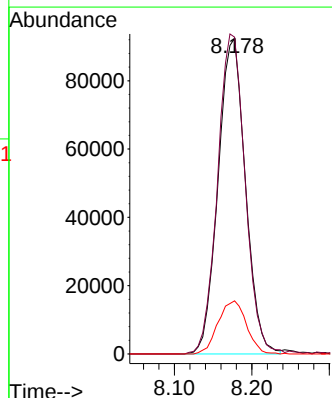
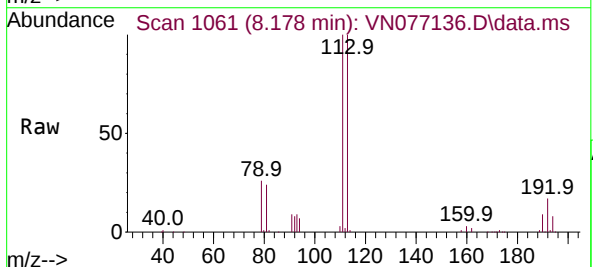
Tgt Ion:113 Resp: 226556

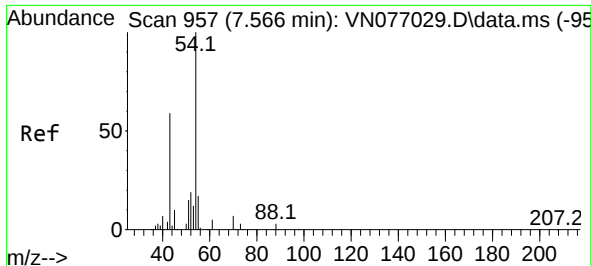
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

192 17.5 13.0 19.6

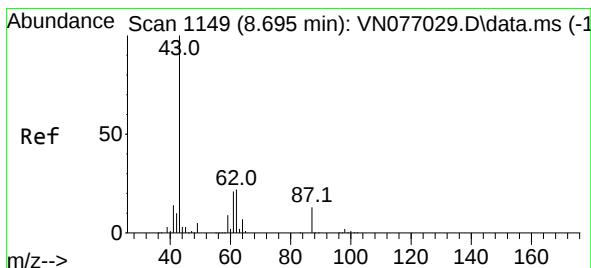
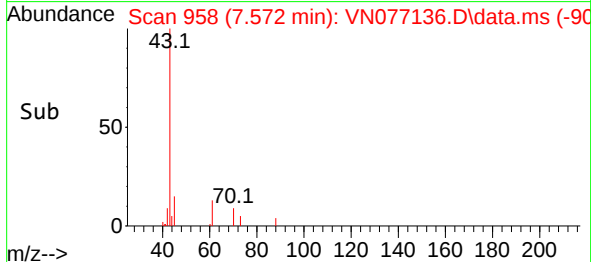
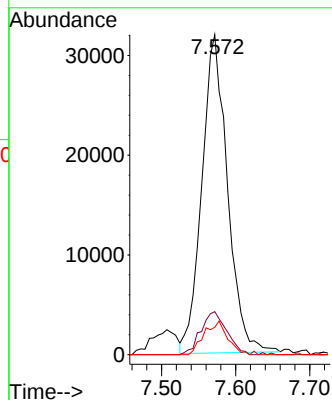
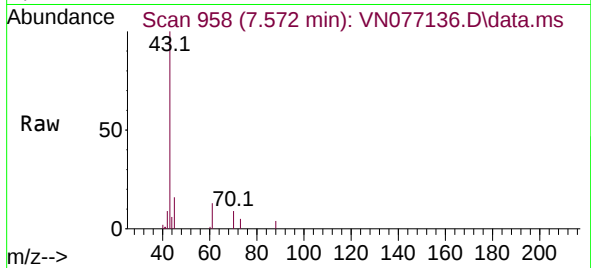




#37  
Ethyl Acetate  
Concen: 9.287 ug/l  
RT: 7.572 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN077136.D  
Acq: 23 Mar 2023 08:37

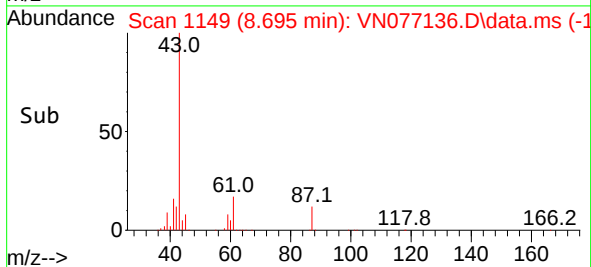
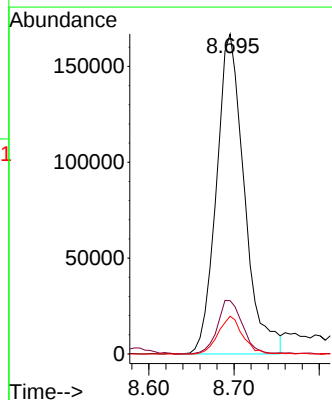
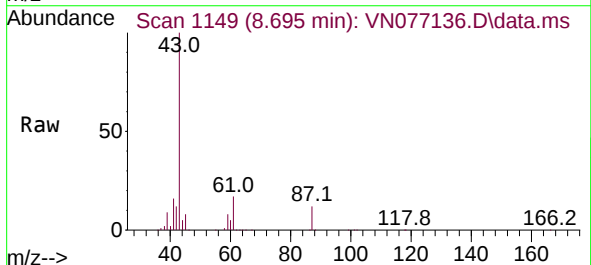
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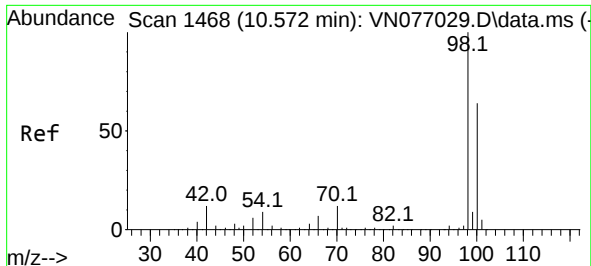
Tgt Ion: 43 Resp: 76657  
Ion Ratio Lower Upper  
43 100  
61 13.6 11.0 16.6  
70 9.5 8.4 12.6



#43  
Isopropyl Acetate  
Concen: 29.444 ug/l  
RT: 8.695 min Scan# 1149  
Delta R.T. 0.000 min  
Lab File: VN077136.D  
Acq: 23 Mar 2023 08:37

Tgt Ion: 43 Resp: 379668  
Ion Ratio Lower Upper  
43 100  
61 15.1 20.6 30.8#  
87 10.3 10.0 15.0

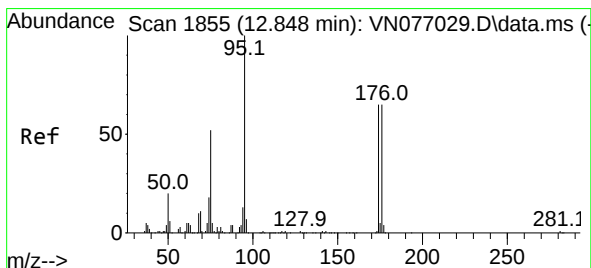
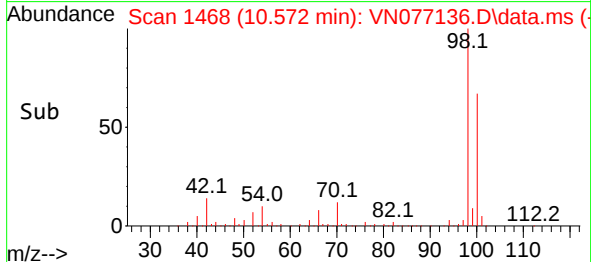
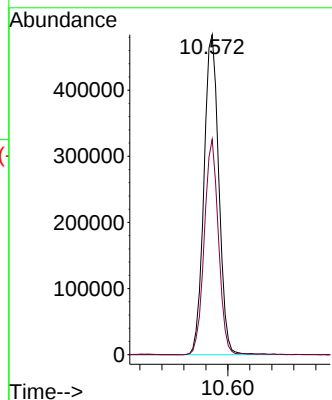
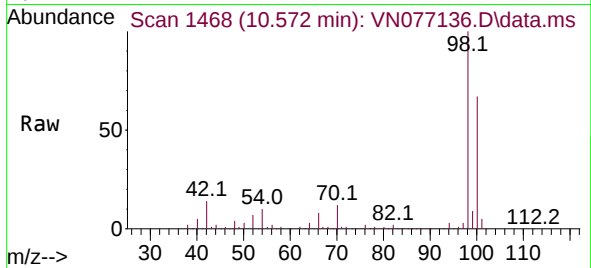




#50  
Toluene-d8  
Concen: 51.396 ug/l  
RT: 10.572 min Scan# 1468  
Delta R.T. 0.000 min  
Lab File: VN077136.D  
Acq: 23 Mar 2023 08:37

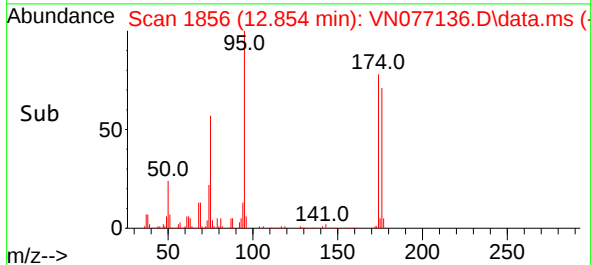
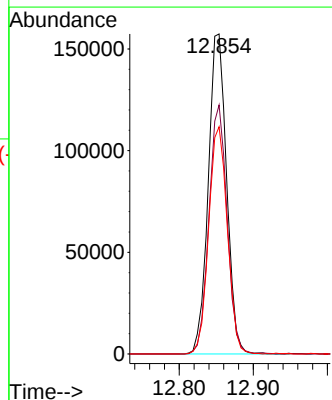
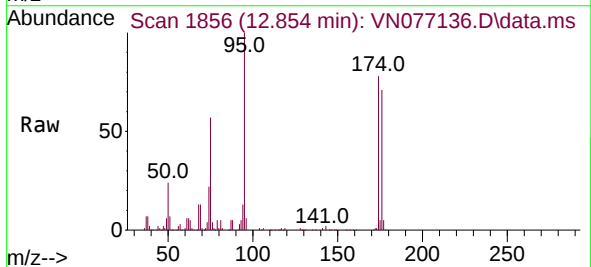
Instrument :  
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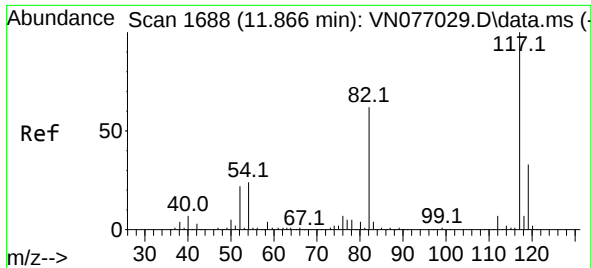
Tgt Ion: 98 Resp: 906832  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 43.361 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.006 min  
Lab File: VN077136.D  
Acq: 23 Mar 2023 08:37

Tgt Ion: 95 Resp: 270343  
Ion Ratio Lower Upper  
95 100  
174 76.9 0.0 136.6  
176 72.3 0.0 130.0

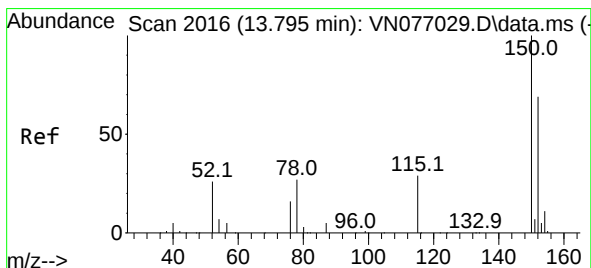
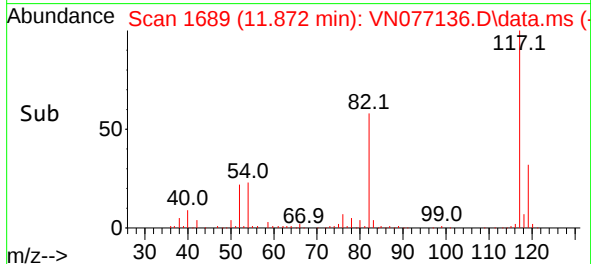
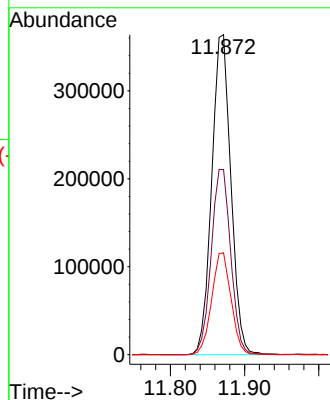
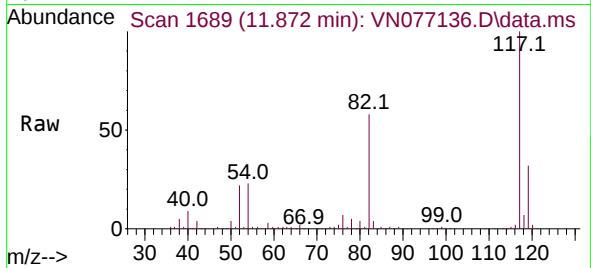




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.872 min Scan# 117  
Delta R.T. 0.006 min  
Lab File: VN077136.D  
Acq: 23 Mar 2023 08:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
032023-1

Tgt Ion:117 Resp: 654180  
Ion Ratio Lower Upper  
117 100  
82 57.9 49.4 74.0  
119 31.9 26.5 39.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.795 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: VN077136.D  
Acq: 23 Mar 2023 08:37

Tgt Ion:152 Resp: 247525  
Ion Ratio Lower Upper  
152 100  
115 61.9 31.9 95.7  
150 156.8 0.0 348.0

