

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120922\  
 Data File : VN075677.D  
 Acq On : 09 Dec 2022 19:19  
 Operator : JC\MD  
 Sample : PB149441ZHE#07  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB149441ZHE#07

Quant Time: Dec 12 03:11:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120922W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 12 03:01:58 2022  
 Response via : Initial Calibration

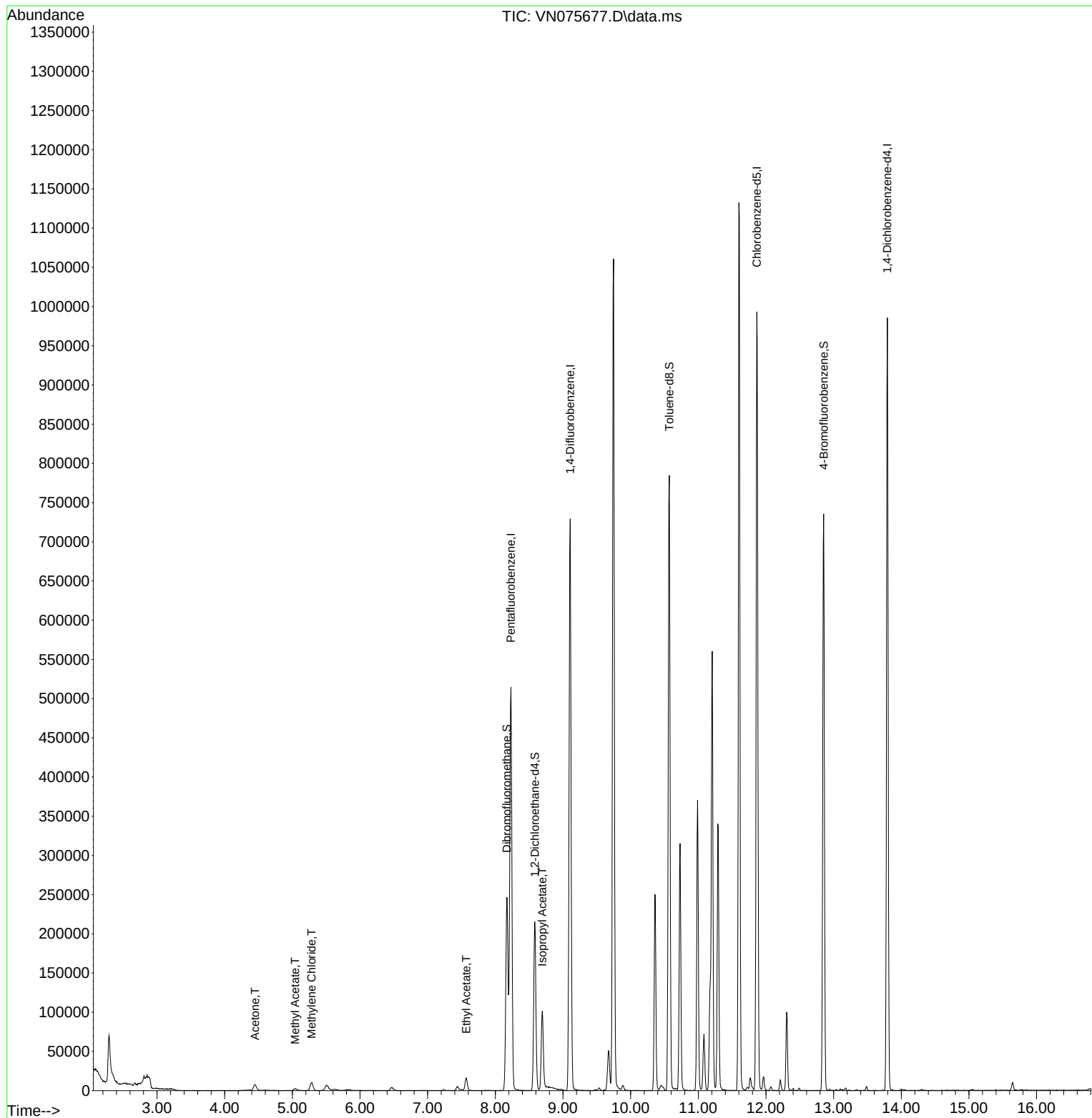
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 412171   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 684026   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 619049   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 285011   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 173682   | 39.715   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 79.420%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 179028   | 42.898   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 85.800%  |
| 50) Toluene-d8              | 10.571 | 98    | 571295   | 36.451   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 72.900%# |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 248688   | 46.409   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 92.820%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.447  | 43    | 14837    | 10.018   | ug/l   | 93       |
| 18) Methyl Acetate          | 5.042  | 43    | 5109     | 1.074    | ug/l   | 99       |
| 20) Methylene Chloride      | 5.283  | 84    | 8768     | 1.986    | ug/l   | 99       |
| 37) Ethyl Acetate           | 7.571  | 43    | 23353    | 5.249    | ug/l   | 98       |
| 43) Isopropyl Acetate       | 8.694  | 43    | 114897   | 15.468   | ug/l # | 90       |
| -----                       |        |       |          |          |        |          |

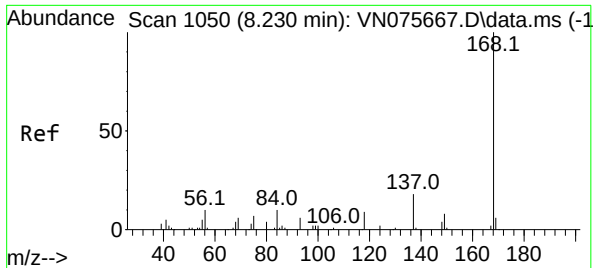
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

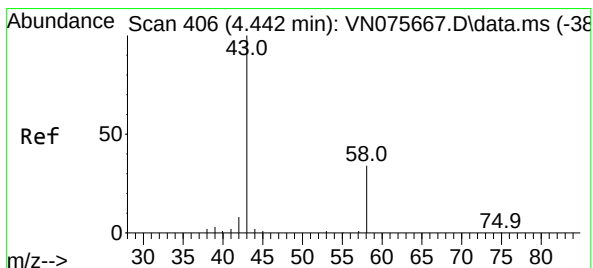
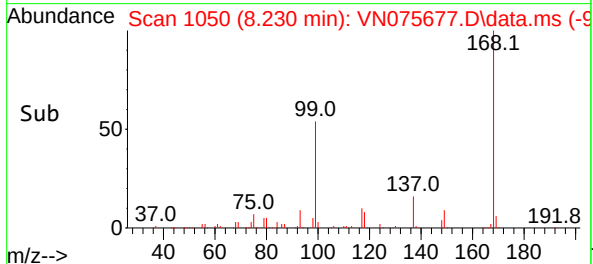
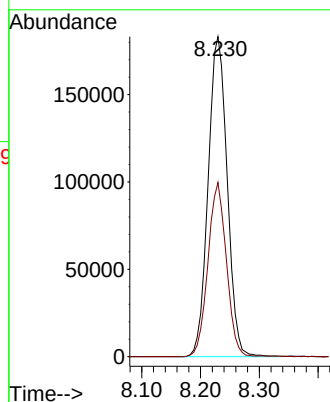
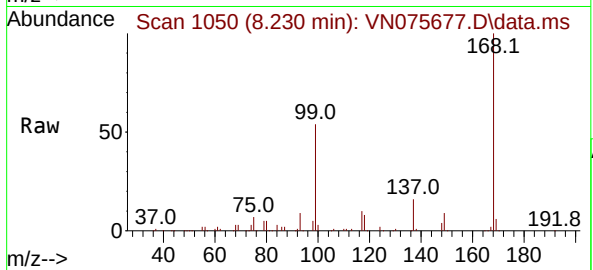




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN075677.D  
Acq: 09 Dec 2022 19:19

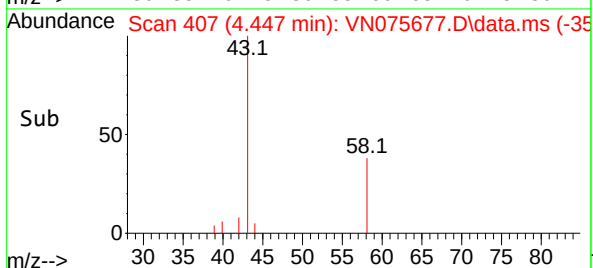
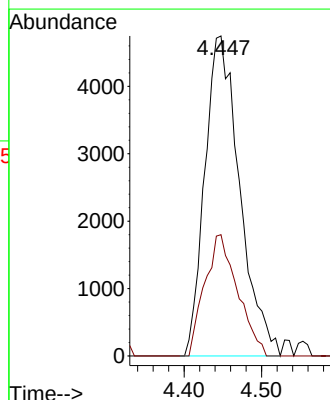
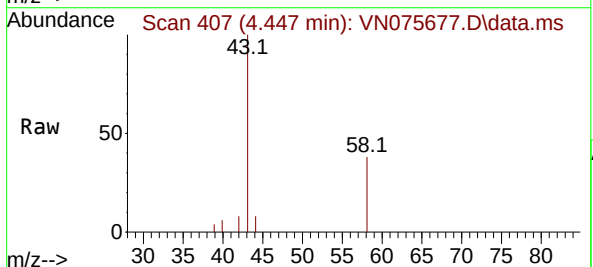
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB149441ZHE#07

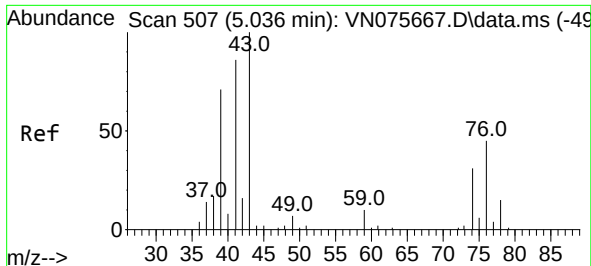
Tgt Ion:168 Resp: 412171  
Ion Ratio Lower Upper  
168 100  
99 54.5 41.2 61.8



#16  
Acetone  
Concen: 10.018 ug/l  
RT: 4.447 min Scan# 407  
Delta R.T. 0.006 min  
Lab File: VN075677.D  
Acq: 09 Dec 2022 19:19

Tgt Ion: 43 Resp: 14837  
Ion Ratio Lower Upper  
43 100  
58 37.9 27.0 40.4

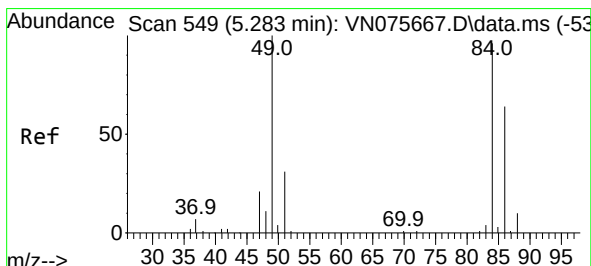
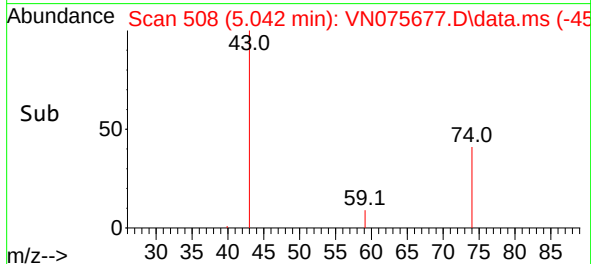
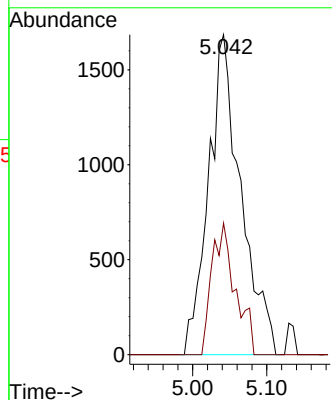
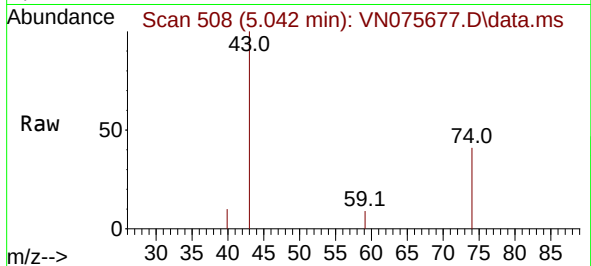




#18  
Methyl Acetate  
Concen: 1.074 ug/l  
RT: 5.042 min Scan# 508  
Delta R.T. 0.006 min  
Lab File: VN075677.D  
Acq: 09 Dec 2022 19:19

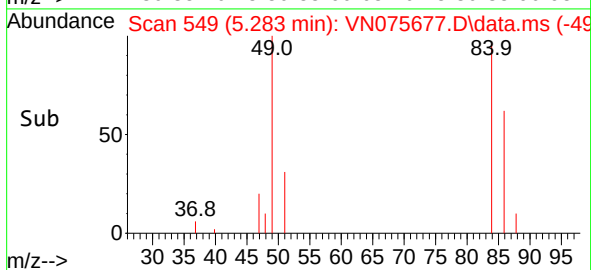
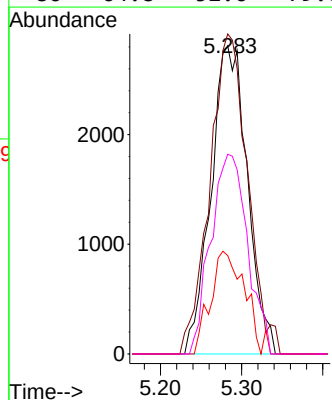
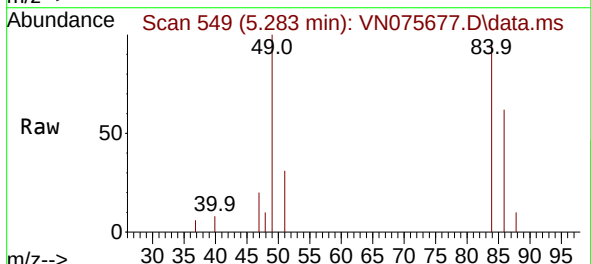
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB149441ZHE#07

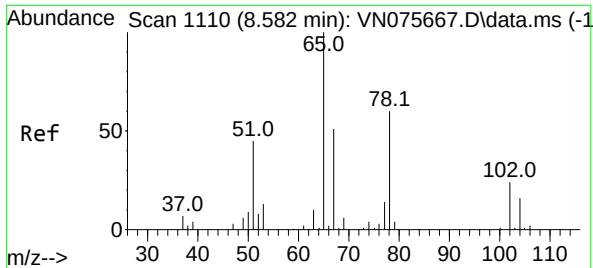
Tgt Ion: 43 Resp: 5109  
Ion Ratio Lower Upper  
43 100  
74 29.8 24.5 36.7



#20  
Methylene Chloride  
Concen: 1.986 ug/l  
RT: 5.283 min Scan# 549  
Delta R.T. 0.000 min  
Lab File: VN075677.D  
Acq: 09 Dec 2022 19:19

Tgt Ion: 84 Resp: 8768  
Ion Ratio Lower Upper  
84 100  
49 103.8 83.0 124.4  
51 31.9 26.0 39.0  
86 64.8 52.6 79.0





#33

1,2-Dichloroethane-d4

Concen: 39.715 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075677.D

Acq: 09 Dec 2022 19:19

Instrument :

MSVOA\_N

ClientSampleId :

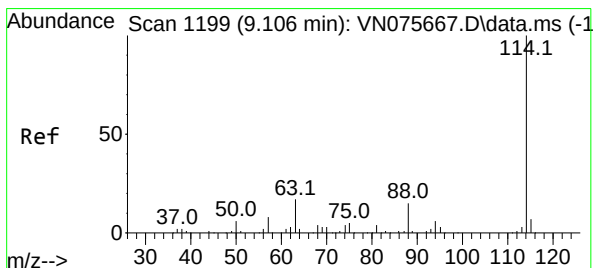
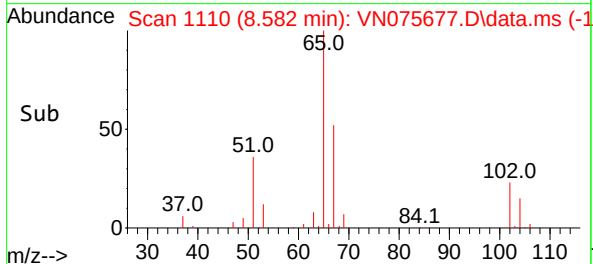
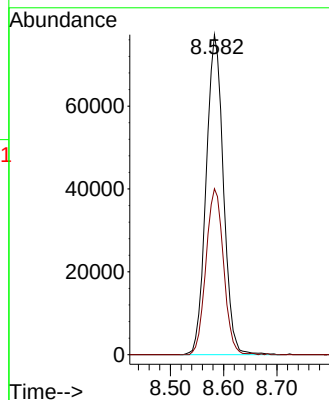
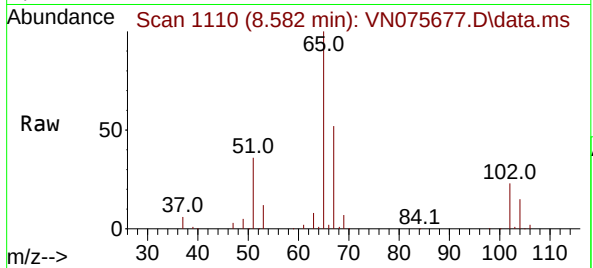
PB149441ZHE#07

Tgt Ion: 65 Resp: 173682

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075677.D

Acq: 09 Dec 2022 19:19

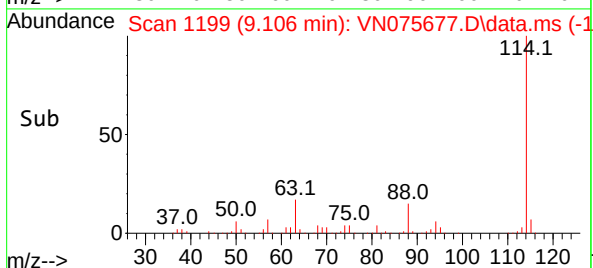
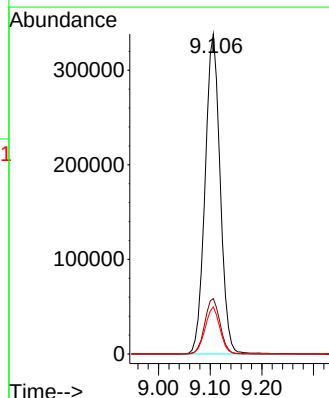
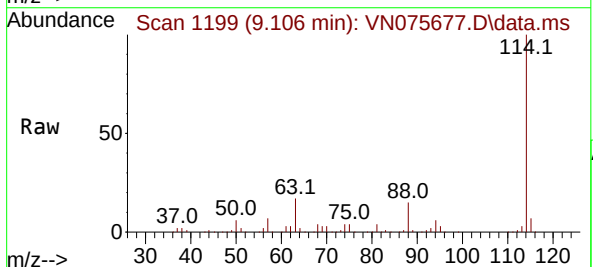
Tgt Ion:114 Resp: 684026

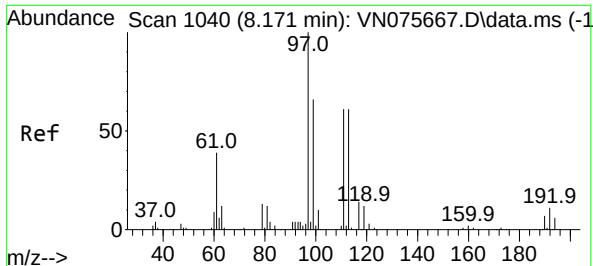
Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.4

88 14.7 0.0 29.2





#35

Dibromofluoromethane

Concen: 42.898 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN075677.D

Acq: 09 Dec 2022 19:19

Instrument :

MSVOA\_N

ClientSampleId :

PB149441ZHE#07

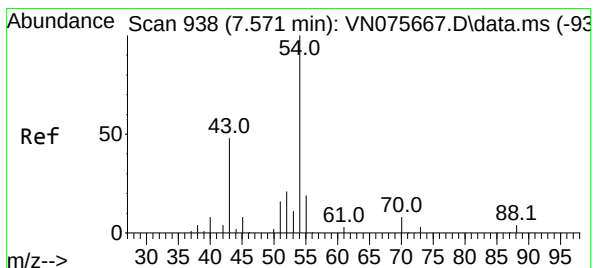
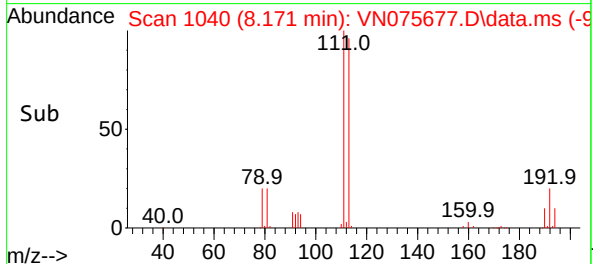
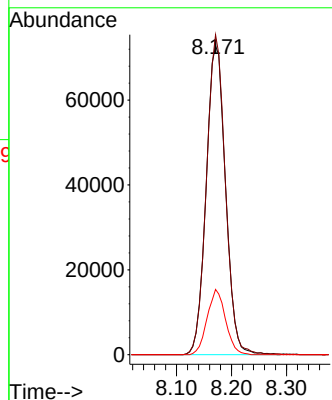
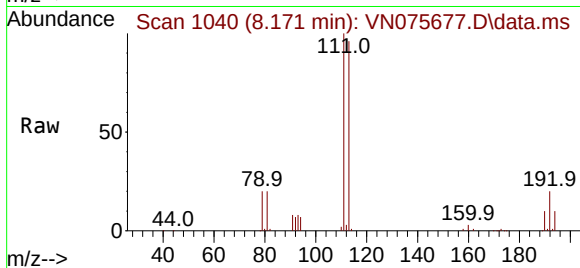
Tgt Ion:113 Resp: 179028

Ion Ratio Lower Upper

113 100

111 100.7 81.0 121.6

192 20.0 16.2 24.2



#37

Ethyl Acetate

Concen: 5.249 ug/l

RT: 7.571 min Scan# 938

Delta R.T. 0.000 min

Lab File: VN075677.D

Acq: 09 Dec 2022 19:19

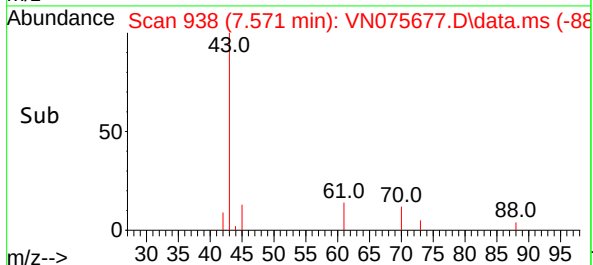
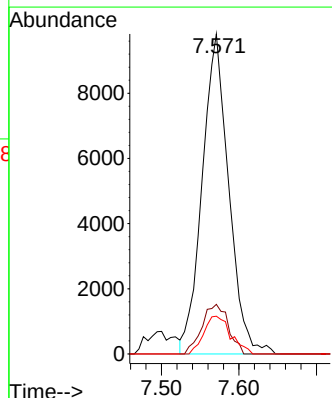
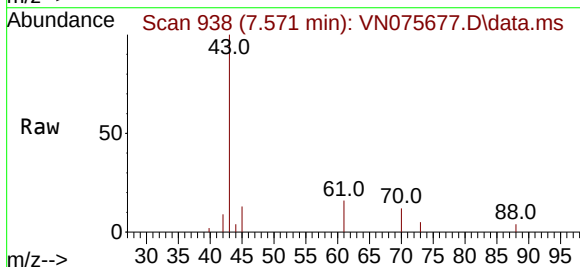
Tgt Ion: 43 Resp: 23353

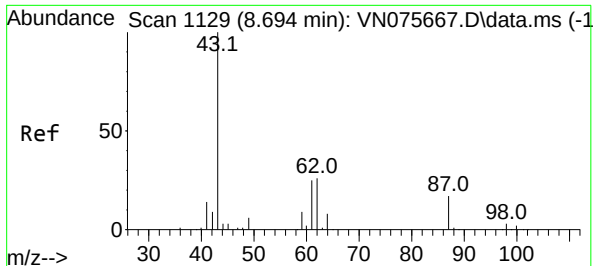
Ion Ratio Lower Upper

43 100

61 15.4 13.3 19.9

70 12.0 9.9 14.9





#43

Isopropyl Acetate

Concen: 15.468 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN075677.D

Acq: 09 Dec 2022 19:19

Instrument :

MSVOA\_N

ClientSampleId :

PB149441ZHE#07

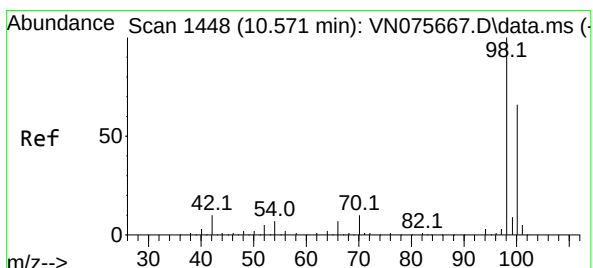
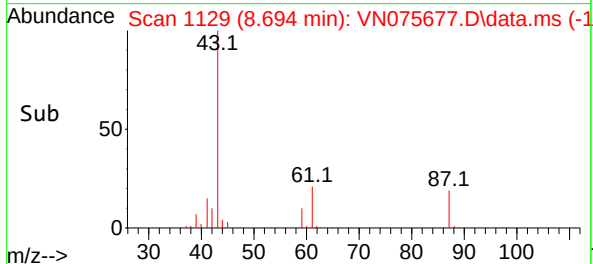
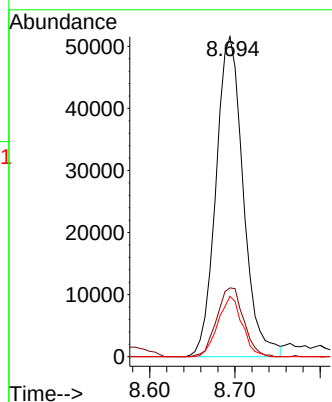
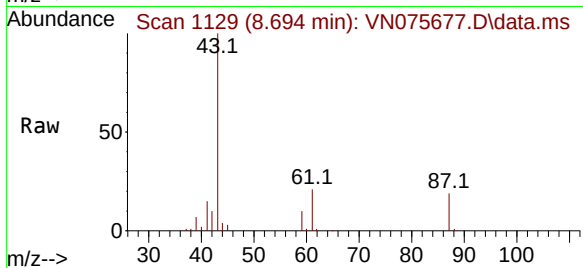
Tgt Ion: 43 Resp: 114897

Ion Ratio Lower Upper

43 100

61 21.2 23.8 35.8#

87 16.7 13.7 20.5



#50

Toluene-d8

Concen: 36.451 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN075677.D

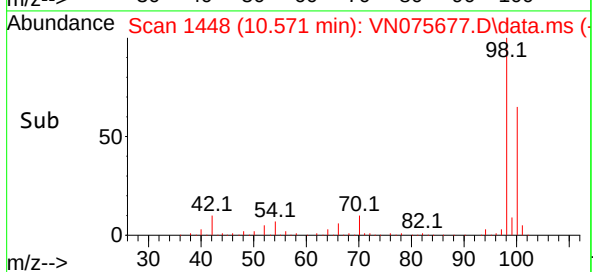
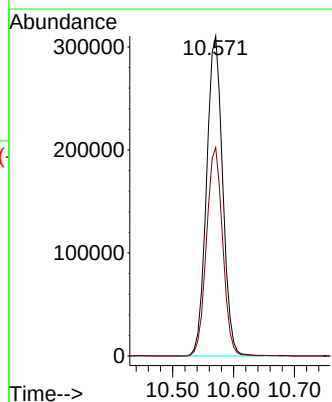
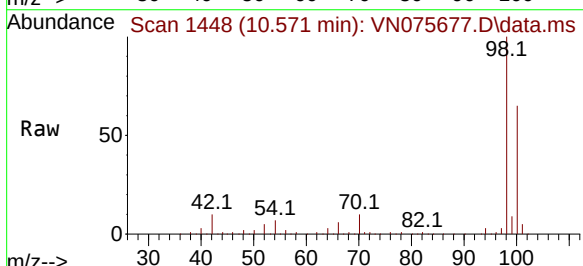
Acq: 09 Dec 2022 19:19

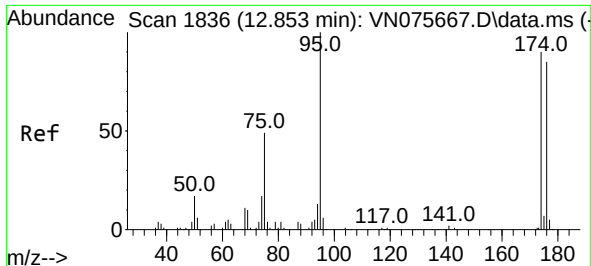
Tgt Ion: 98 Resp: 571295

Ion Ratio Lower Upper

98 100

100 65.3 52.6 78.8

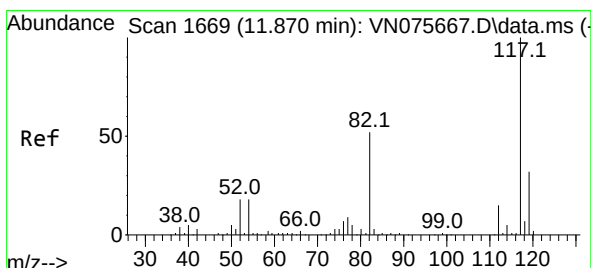
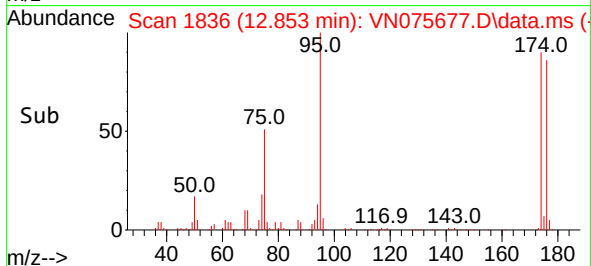
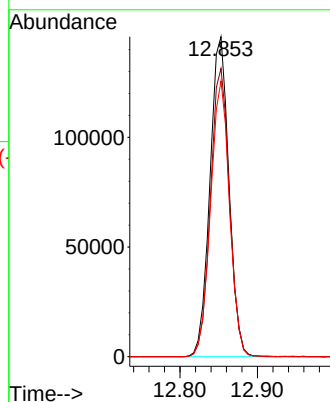
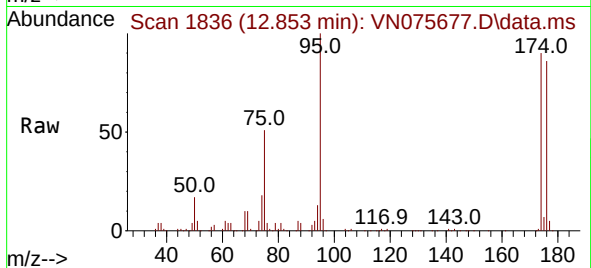




#62  
4-Bromofluorobenzene  
Concen: 46.409 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VN075677.D  
Acq: 09 Dec 2022 19:19

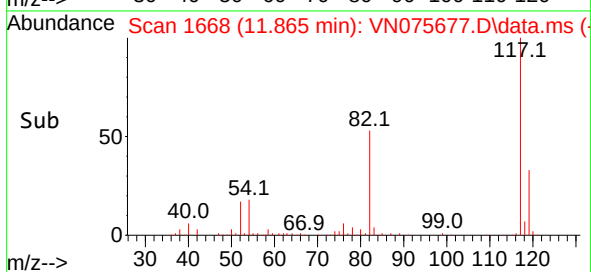
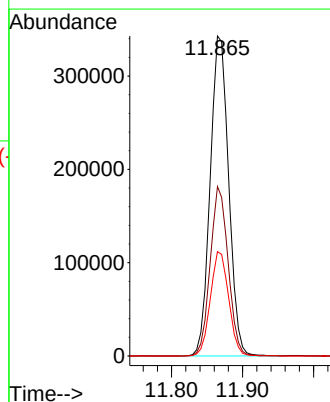
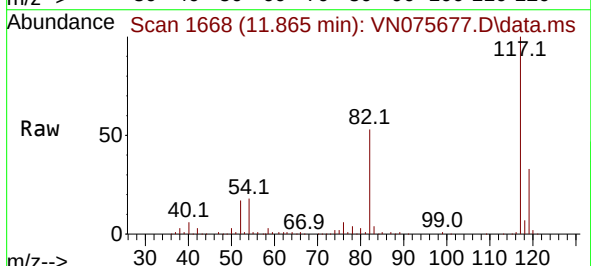
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB149441ZHE#07

Tgt Ion: 95 Resp: 248688  
Ion Ratio Lower Upper  
95 100  
174 90.3 0.0 178.6  
176 86.0 0.0 170.8

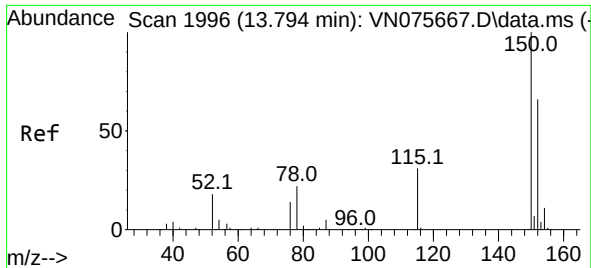


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1668  
Delta R.T. -0.006 min  
Lab File: VN075677.D  
Acq: 09 Dec 2022 19:19

Tgt Ion: 117 Resp: 619049  
Ion Ratio Lower Upper  
117 100  
82 53.0 41.8 62.8  
119 32.6 25.8 38.6

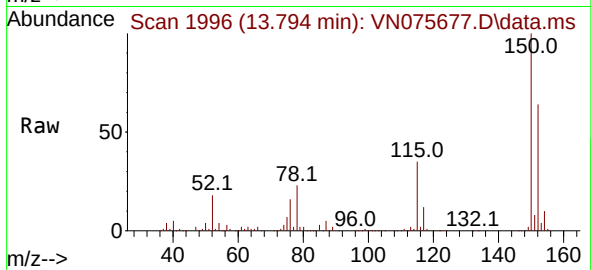






#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 1996  
 Delta R.T. 0.000 min  
 Lab File: VN075677.D  
 Acq: 09 Dec 2022 19:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB149441ZHE#07



Tgt Ion:152 Resp: 285011  
 Ion Ratio Lower Upper  
 152 100  
 115 57.0 28.4 85.2  
 150 154.7 0.0 347.6

