

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050323\  
 Data File : VN077557.D  
 Acq On : 03 May 2023 12:54  
 Operator : JC\MD  
 Sample : PB152533ZHE#02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB152533ZHE#02

Quant Time: May 04 04:44:33 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

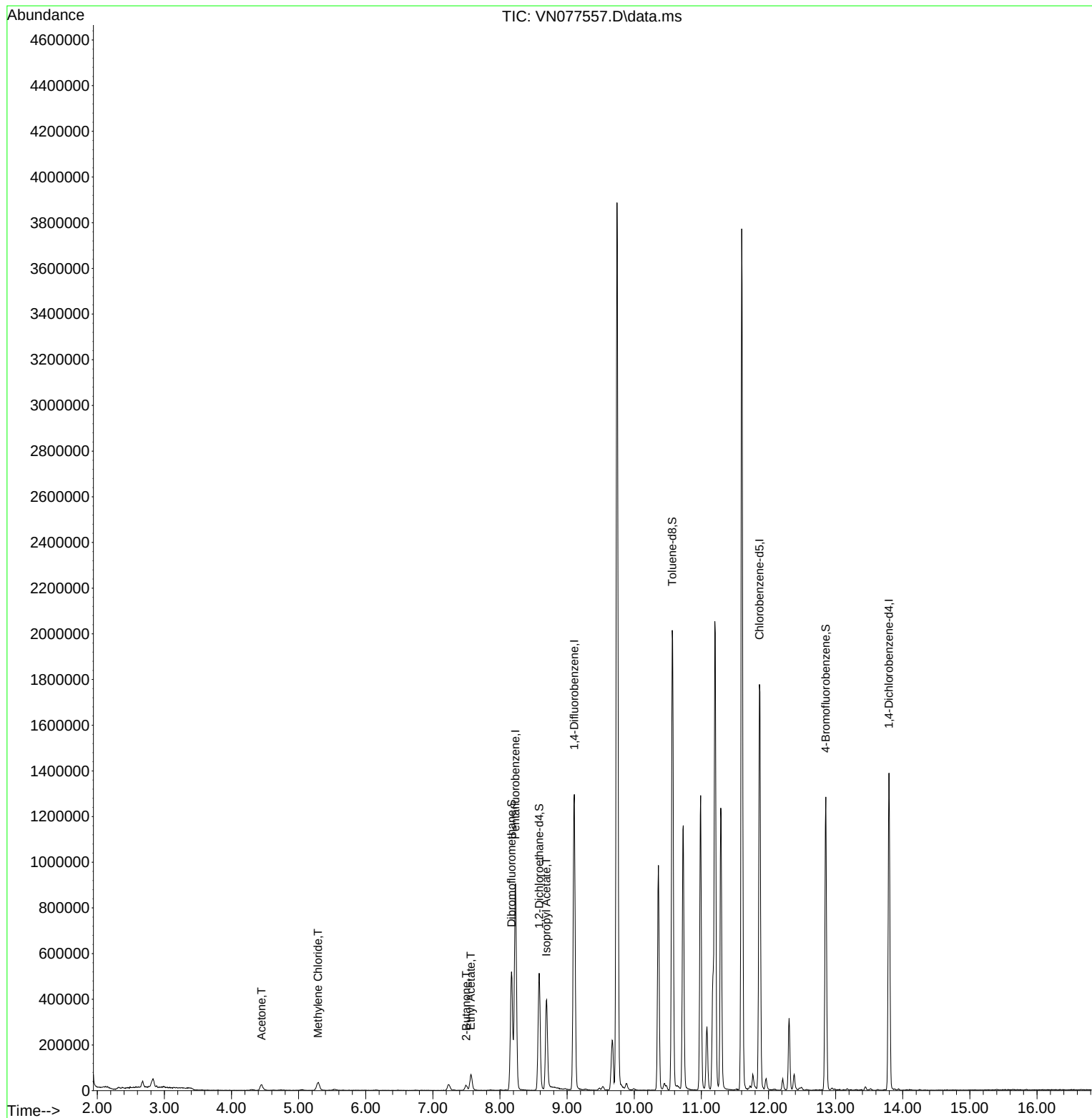
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 642442   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.107  | 114   | 1211335  | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.866 | 117   | 1107625  | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.795 | 152   | 384851   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 420417   | 50.150   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 100.300% |          |
| 35) Dibromofluoromethane    | 8.172  | 113   | 376804   | 51.754   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 103.500% |          |
| 50) Toluene-d8              | 10.566 | 98    | 1508347  | 54.055   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 108.120% |          |
| 62) 4-Bromofluorobenzene    | 12.854 | 95    | 471521   | 51.649   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 103.300% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.448  | 43    | 46683    | 17.504   | ug/l       | 99       |
| 20) Methylene Chloride      | 5.289  | 84    | 31492    | 3.723    | ug/l #     | 84       |
| 25) 2-Butanone              | 7.495  | 43    | 33029    | 8.732    | ug/l       | 97       |
| 37) Ethyl Acetate           | 7.566  | 43    | 92232    | 11.539   | ug/l       | 94       |
| 43) Isopropyl Acetate       | 8.689  | 43    | 436136   | 31.541   | ug/l #     | 91       |
| -----                       |        |       |          |          |            |          |

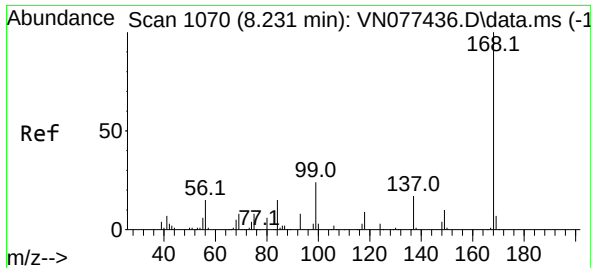
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050323\  
Data File : VN077557.D  
Acq On : 03 May 2023 12:54  
Operator : JC\MD  
Sample : PB152533ZHE#02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB152533ZHE#02

Quant Time: May 04 04:44:33 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

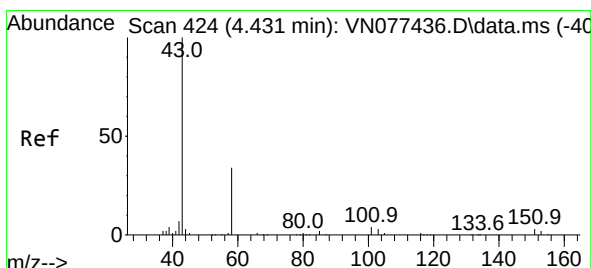
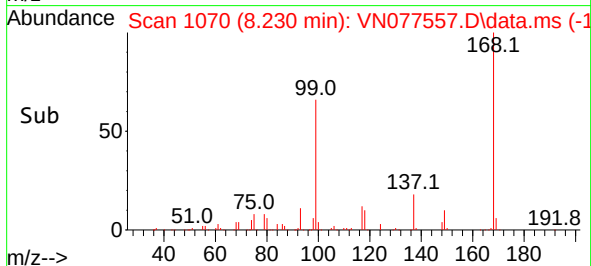
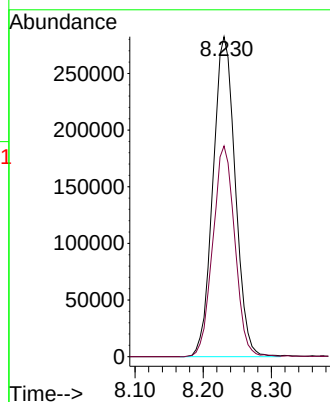
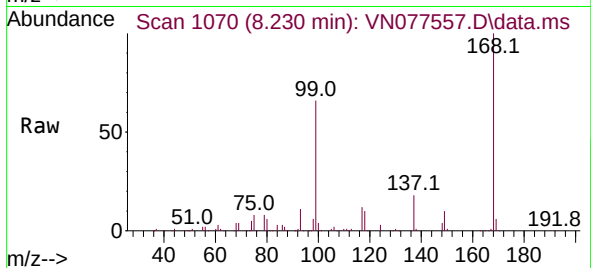




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1070  
Delta R.T. -0.001 min  
Lab File: VN077557.D  
Acq: 03 May 2023 12:54

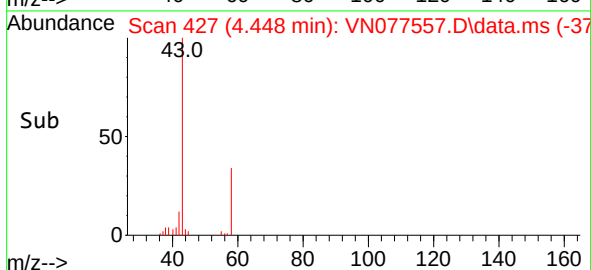
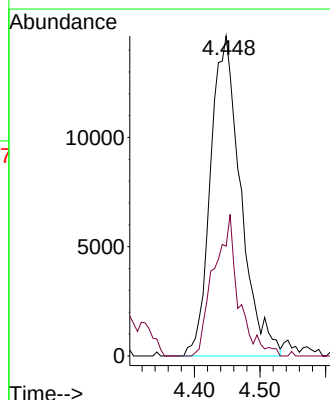
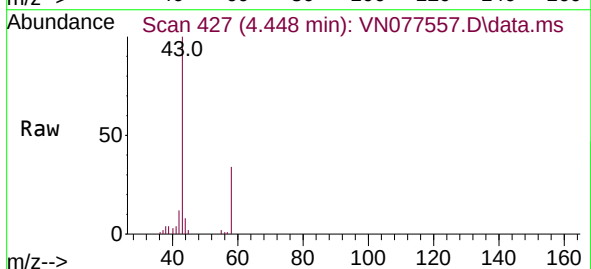
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB152533ZHE#02

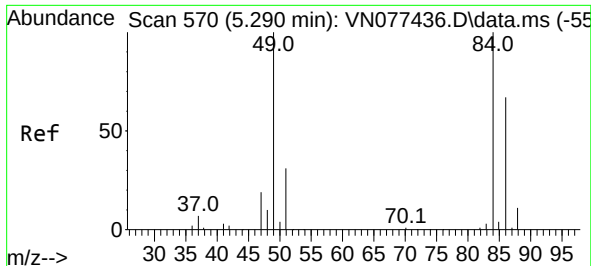
Tgt Ion:168 Resp: 642442  
Ion Ratio Lower Upper  
168 100  
99 65.9 53.0 79.6



#16  
Acetone  
Concen: 17.504 ug/l  
RT: 4.448 min Scan# 427  
Delta R.T. 0.017 min  
Lab File: VN077557.D  
Acq: 03 May 2023 12:54

Tgt Ion: 43 Resp: 46683  
Ion Ratio Lower Upper  
43 100  
58 34.3 28.0 42.0





#20

Methylene Chloride

Concen: 3.723 ug/l

RT: 5.289 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN077557.D

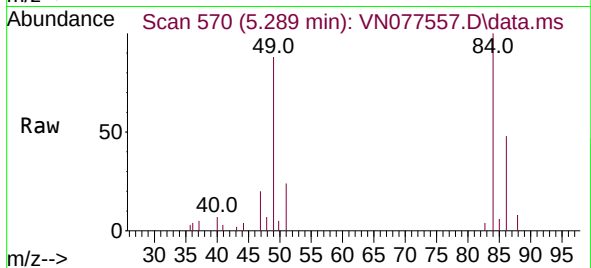
Acq: 03 May 2023 12:54

Instrument :

MSVOA\_N

ClientSampleId :

PB152533ZHE#02



Tgt Ion: 84 Resp: 31492

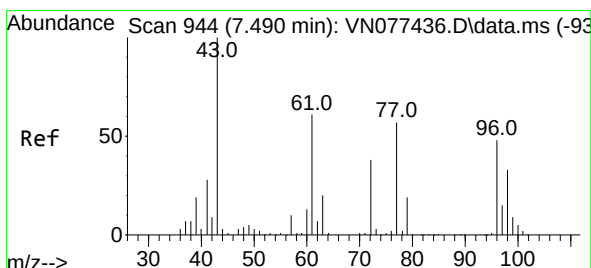
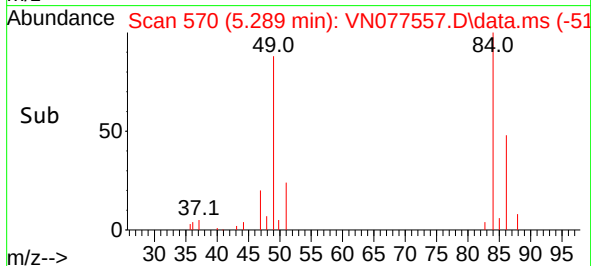
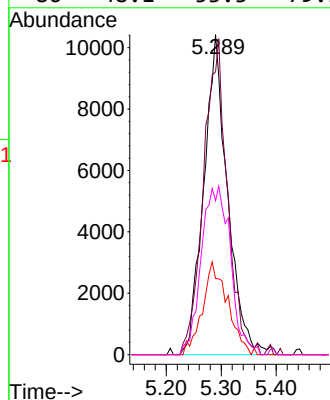
Ion Ratio Lower Upper

84 100

49 88.4 79.7 119.5

51 23.8 25.2 37.8#

86 48.1 53.3 79.9#



#25

2-Butanone

Concen: 8.732 ug/l

RT: 7.495 min Scan# 945

Delta R.T. 0.006 min

Lab File: VN077557.D

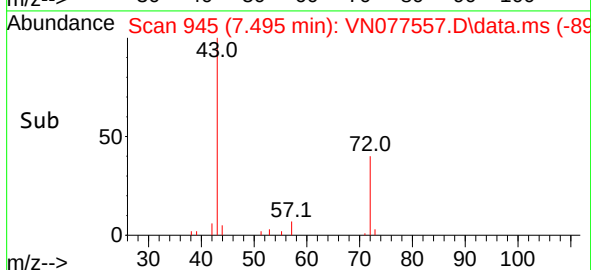
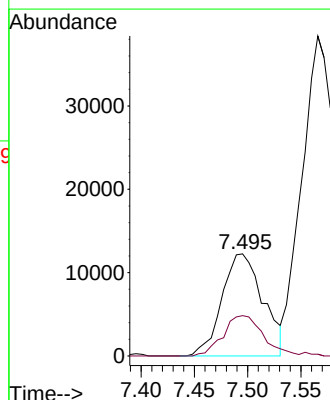
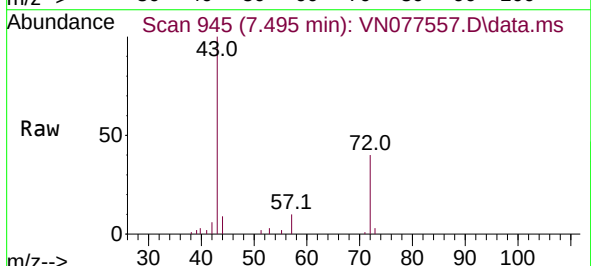
Acq: 03 May 2023 12:54

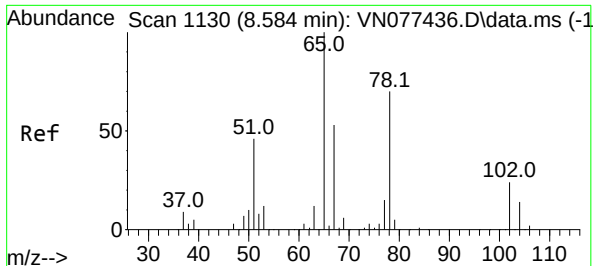
Tgt Ion: 43 Resp: 33029

Ion Ratio Lower Upper

43 100

72 39.6 30.2 45.2





#33

1,2-Dichloroethane-d4

Concen: 50.150 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077557.D

Acq: 03 May 2023 12:54

Instrument :

MSVOA\_N

ClientSampleId :

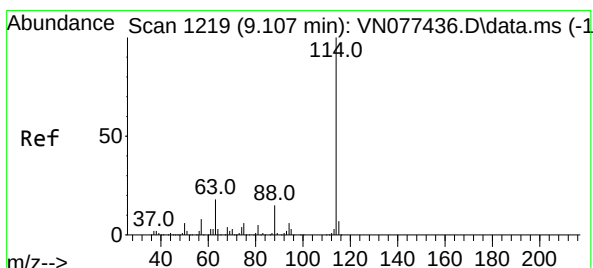
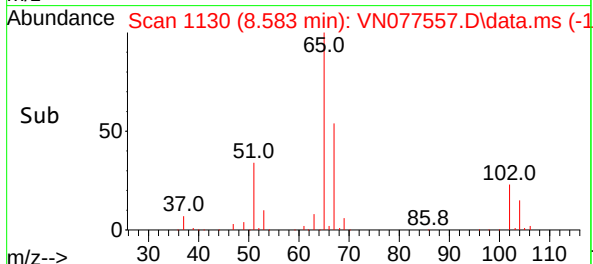
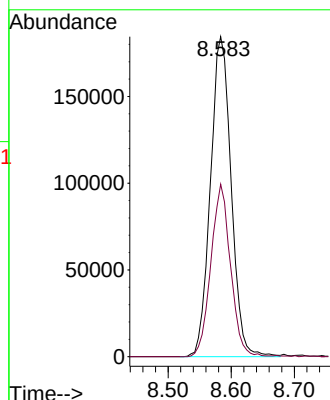
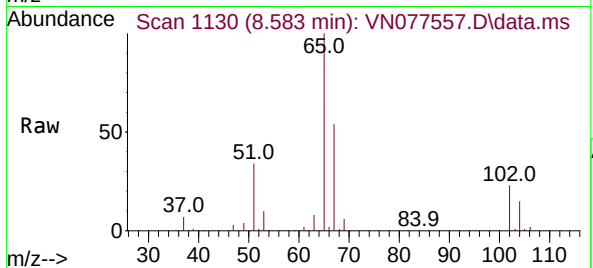
PB152533ZHE#02

Tgt Ion: 65 Resp: 420417

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# 1219

Delta R.T. -0.000 min

Lab File: VN077557.D

Acq: 03 May 2023 12:54

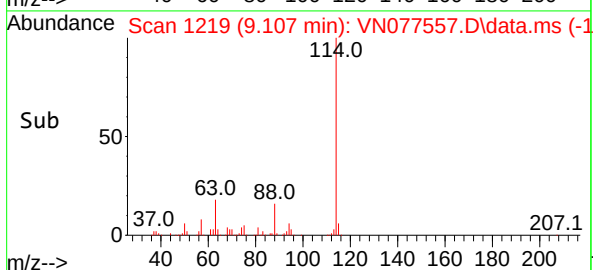
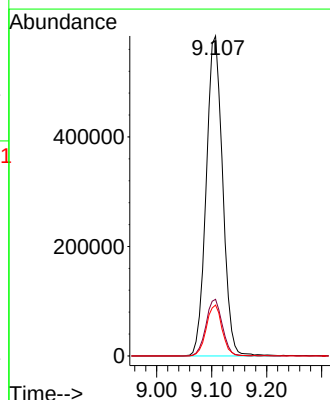
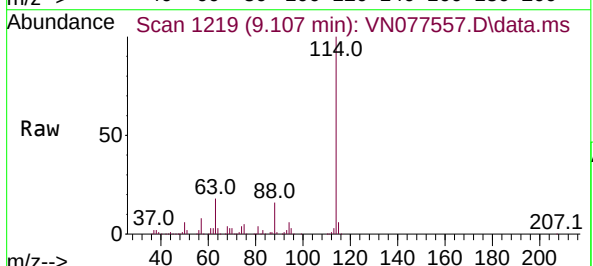
Tgt Ion: 114 Resp: 1211335

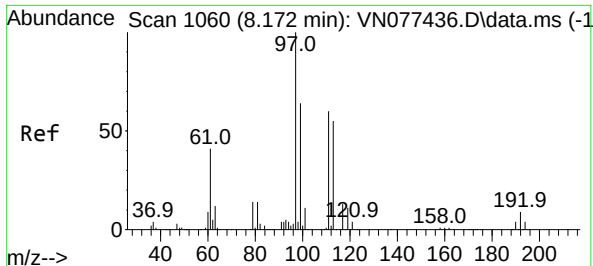
Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.4

88 15.9 0.0 30.6

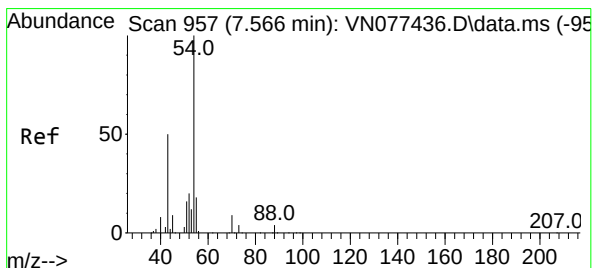
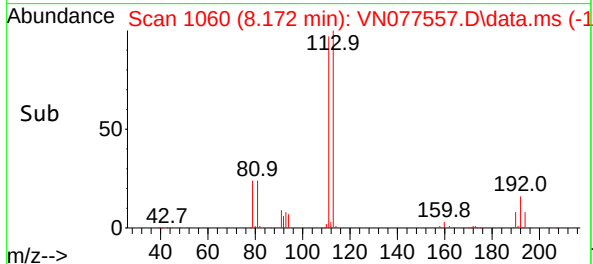
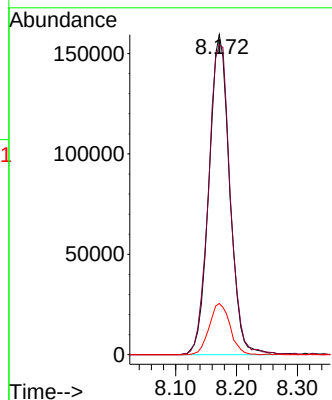
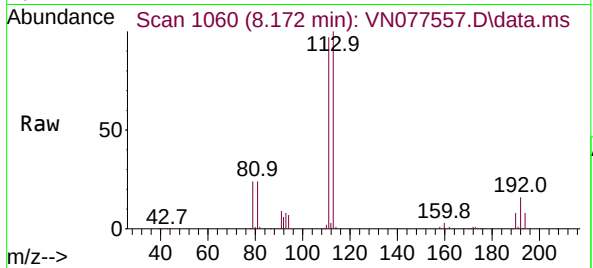




#35  
Dibromofluoromethane  
Concen: 51.754 ug/l  
RT: 8.172 min Scan# 1060  
Delta R.T. -0.000 min  
Lab File: VN077557.D  
Acq: 03 May 2023 12:54

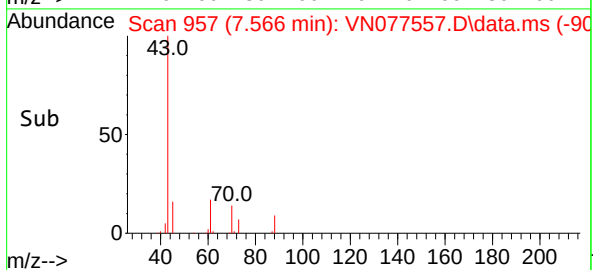
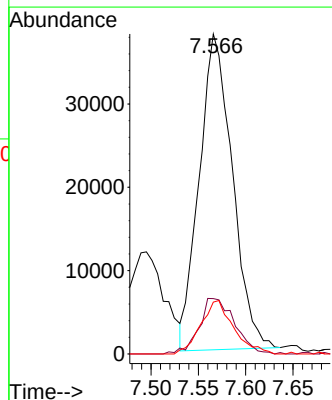
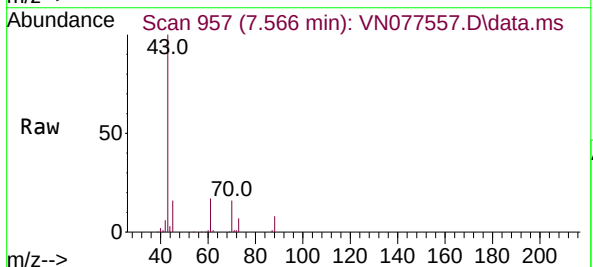
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB152533ZHE#02

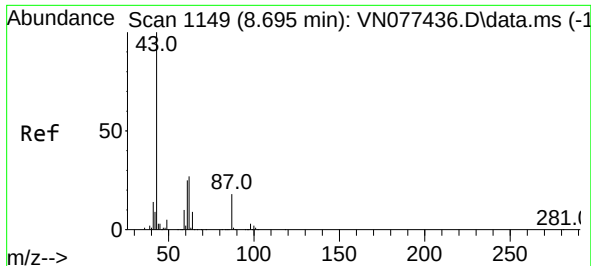
Tgt Ion:113 Resp: 376804  
Ion Ratio Lower Upper  
113 100  
111 101.6 82.6 123.8  
192 16.0 12.7 19.1



#37  
Ethyl Acetate  
Concen: 11.539 ug/l  
RT: 7.566 min Scan# 957  
Delta R.T. -0.000 min  
Lab File: VN077557.D  
Acq: 03 May 2023 12:54

Tgt Ion: 43 Resp: 92232  
Ion Ratio Lower Upper  
43 100  
61 18.8 13.2 19.8  
70 16.7 11.3 16.9

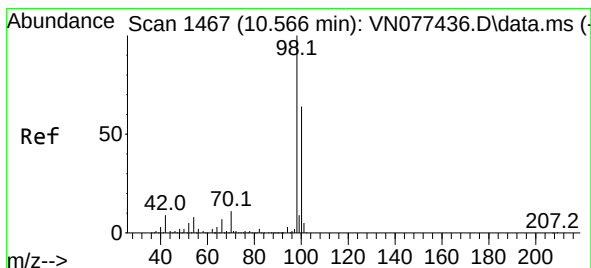
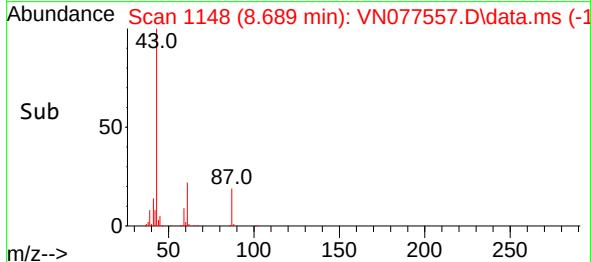
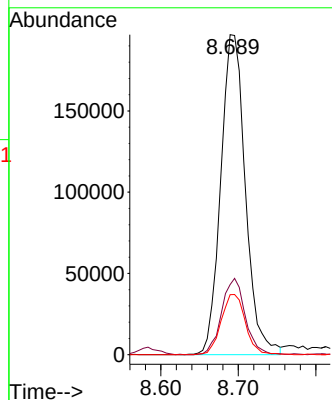
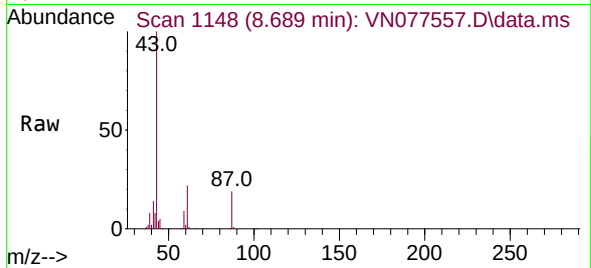




#43  
Isopropyl Acetate  
Concen: 31.541 ug/l  
RT: 8.689 min Scan# 1149  
Delta R.T. -0.006 min  
Lab File: VN077557.D  
Acq: 03 May 2023 12:54

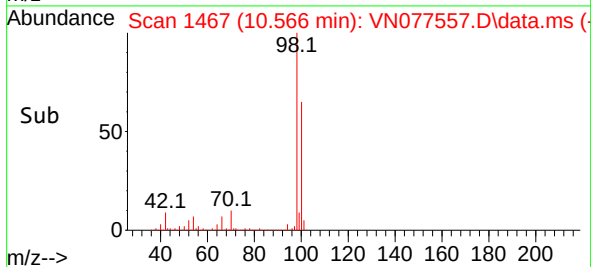
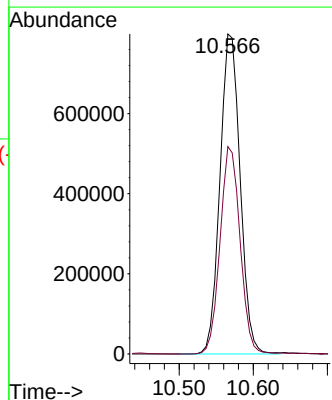
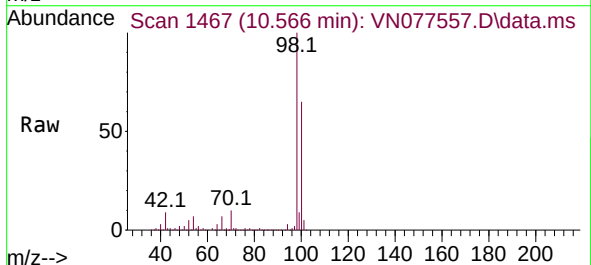
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB152533ZHE#02

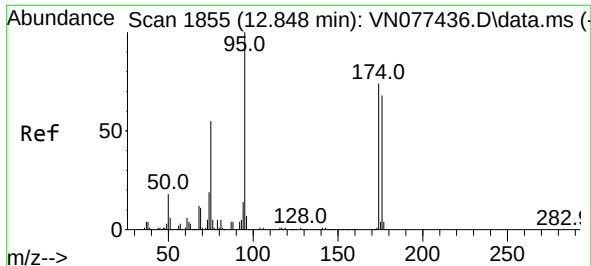
Tgt Ion: 43 Resp: 436136  
Ion Ratio Lower Upper  
43 100  
61 22.9 24.7 37.1#  
87 18.5 14.6 21.8



#50  
Toluene-d8  
Concen: 54.055 ug/l  
RT: 10.566 min Scan# 1467  
Delta R.T. -0.000 min  
Lab File: VN077557.D  
Acq: 03 May 2023 12:54

Tgt Ion: 98 Resp: 1508347  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.0 78.0

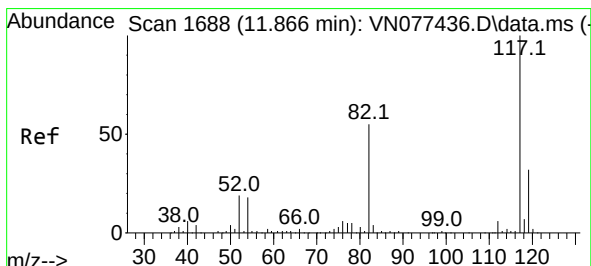
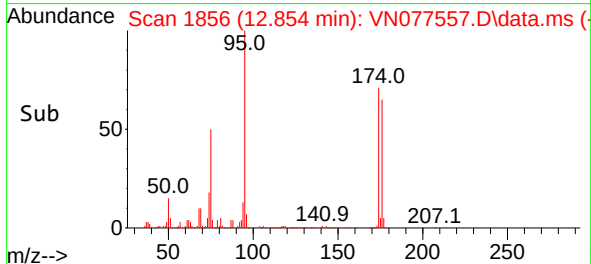
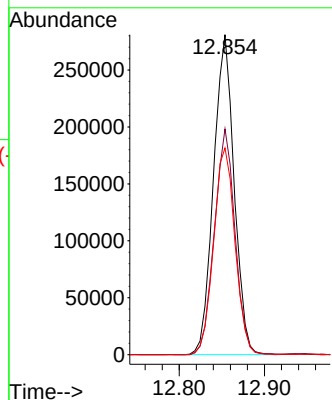
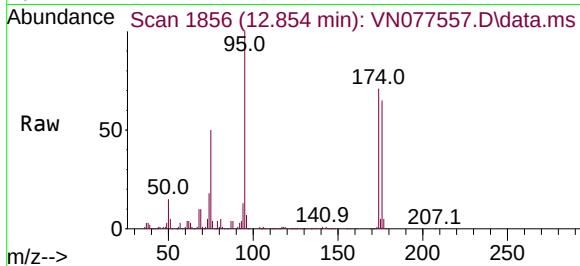




#62  
4-Bromofluorobenzene  
Concen: 51.649 ug/l  
RT: 12.854 min Scan# 1855  
Delta R.T. 0.006 min  
Lab File: VN077557.D  
Acq: 03 May 2023 12:54

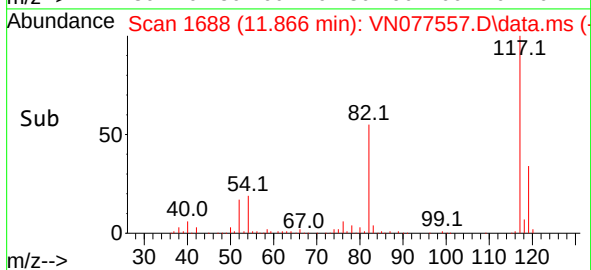
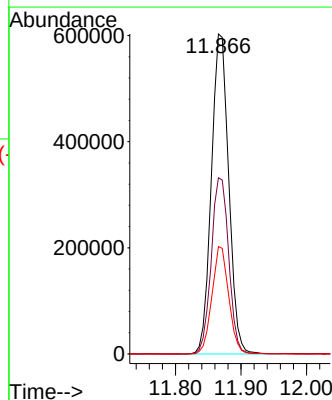
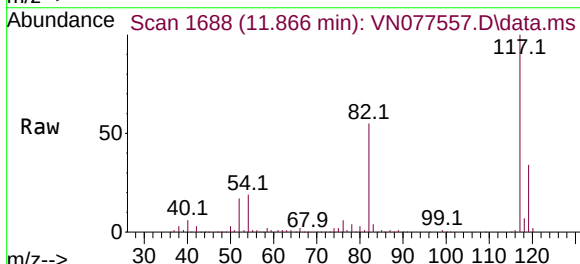
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB152533ZHE#02

Tgt Ion: 95 Resp: 471521  
Ion Ratio Lower Upper  
95 100  
174 70.6 0.0 143.8  
176 67.0 0.0 135.8

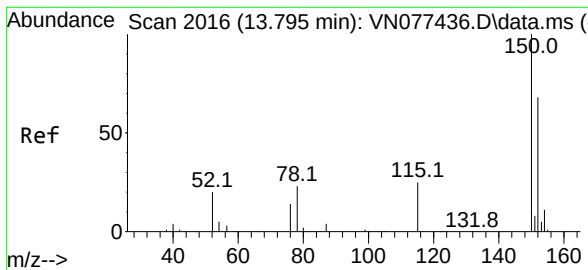


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.866 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VN077557.D  
Acq: 03 May 2023 12:54

Tgt Ion: 117 Resp: 1107625  
Ion Ratio Lower Upper  
117 100  
82 55.0 44.0 66.0  
119 33.6 25.6 38.4

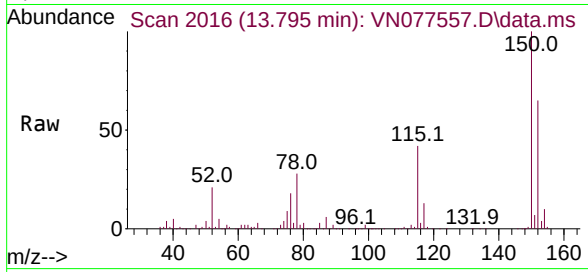






#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.795 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN077557.D  
 Acq: 03 May 2023 12:54

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB152533ZHE#02



Tgt Ion:152 Resp: 384851  
 Ion Ratio Lower Upper  
 152 100  
 115 64.9 32.3 96.8  
 150 158.4 0.0 355.8

