

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120522\  
 Data File : VN075569.D  
 Acq On : 05 Dec 2022 19:19  
 Operator : JC\MD  
 Sample : PB149407ZHE#02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB149407ZHE#02

Quant Time: Dec 06 03:26:41 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 23 00:18:03 2022  
 Response via : Initial Calibration

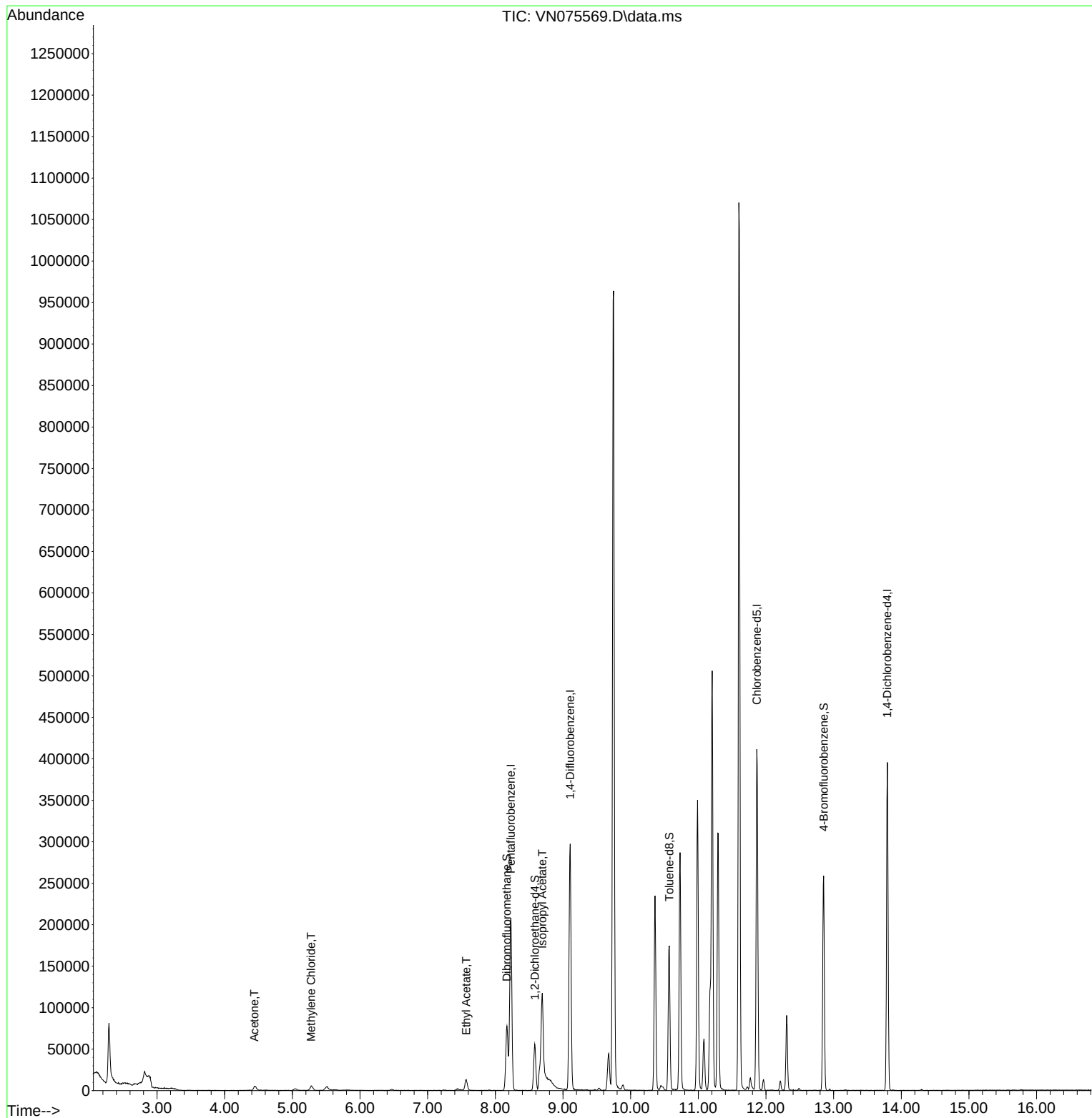
| Compound                    | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min)     |
|-----------------------------|--------|----------------|----------|------------|--------|--------------|
| -----                       |        |                |          |            |        |              |
| Internal Standards          |        |                |          |            |        |              |
| 1) Pentafluorobenzene       | 8.230  | 168            | 161363   | 50.000     | ug/l   | 0.00         |
| 34) 1,4-Difluorobenzene     | 9.106  | 114            | 279325   | 50.000     | ug/l   | 0.00         |
| 63) Chlorobenzene-d5        | 11.865 | 117            | 252404   | 50.000     | ug/l   | 0.00         |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152            | 111598   | 50.000     | ug/l   | 0.00         |
| System Monitoring Compounds |        |                |          |            |        |              |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65             | 43873    | 50.652     | ug/l   | 0.00         |
| Spiked Amount               | 50.000 | Range 74 - 125 | Recovery | = 101.300% |        |              |
| 35) Dibromofluoromethane    | 8.171  | 113            | 56463    | 51.457     | ug/l   | 0.00         |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | = 102.920% |        |              |
| 50) Toluene-d8              | 10.571 | 98             | 124167   | 50.242     | ug/l   | 0.00         |
| Spiked Amount               | 50.000 | Range 86 - 113 | Recovery | = 100.480% |        |              |
| 62) 4-Bromofluorobenzene    | 12.853 | 95             | 88676    | 48.612     | ug/l   | 0.00         |
| Spiked Amount               | 50.000 | Range 83 - 123 | Recovery | = 97.220%  |        |              |
| Target Compounds            |        |                |          |            |        |              |
| 16) Acetone                 | 4.436  | 43             | 10468    | 12.957     | ug/l   | Qvalue<br>91 |
| 20) Methylene Chloride      | 5.277  | 84             | 4794     | 1.691      | ug/l # | 72           |
| 37) Ethyl Acetate           | 7.571  | 43             | 20104    | 9.331      | ug/l   | 99           |
| 43) Isopropyl Acetate       | 8.694  | 43             | 161770   | 46.775     | ug/l # | 78           |
| -----                       |        |                |          |            |        |              |

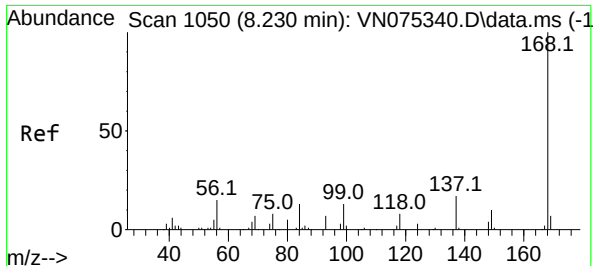
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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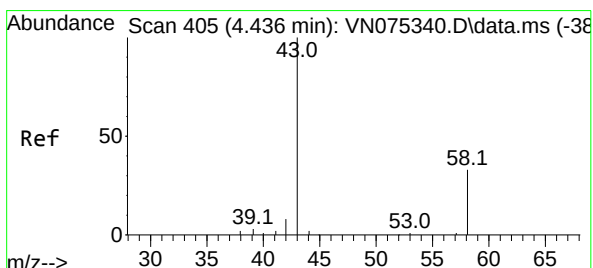
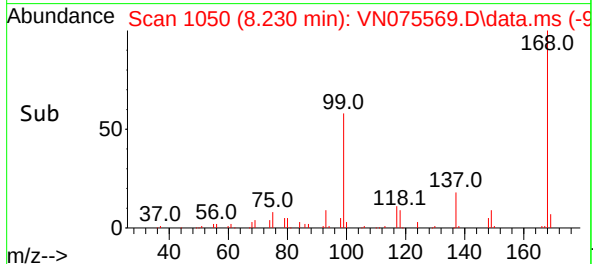
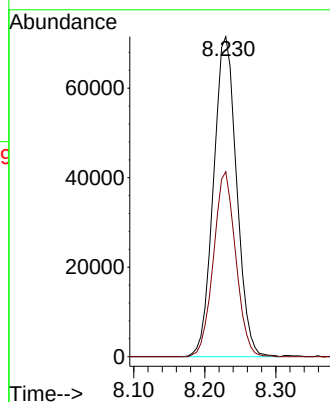
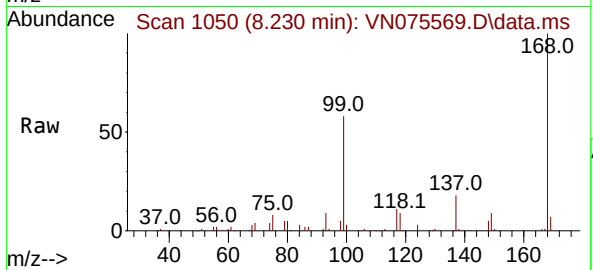




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN075569.D  
Acq: 05 Dec 2022 19:19

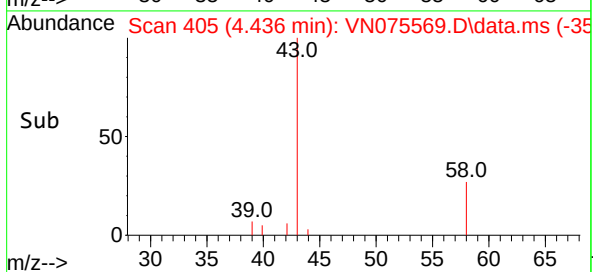
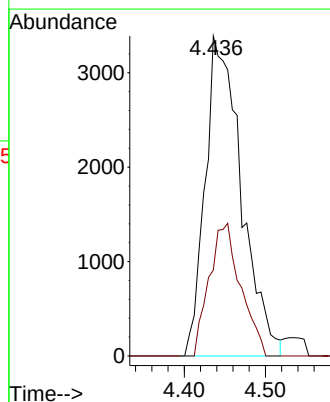
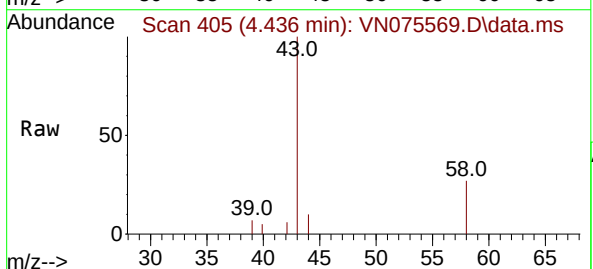
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB149407ZHE#02

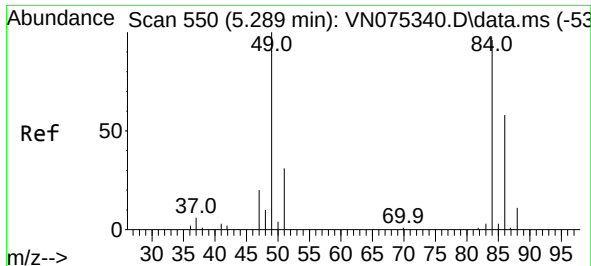
Tgt Ion:168 Resp: 161363  
Ion Ratio Lower Upper  
168 100  
99 57.8 51.6 77.4



#16  
Acetone  
Concen: 12.957 ug/l  
RT: 4.436 min Scan# 405  
Delta R.T. -0.000 min  
Lab File: VN075569.D  
Acq: 05 Dec 2022 19:19

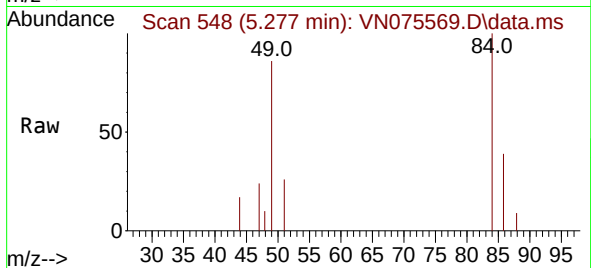
Tgt Ion: 43 Resp: 10468  
Ion Ratio Lower Upper  
43 100  
58 26.8 25.5 38.3



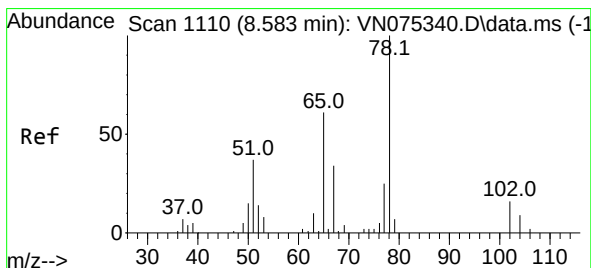
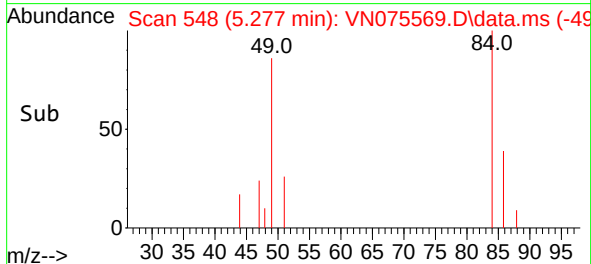
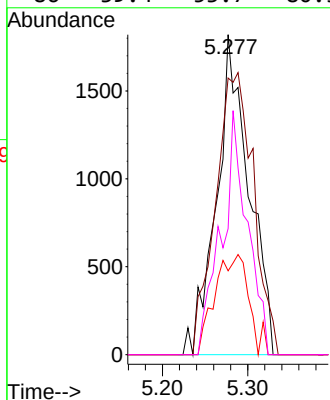


#20  
Methylene Chloride  
Concen: 1.691 ug/l  
RT: 5.277 min Scan# 54  
Delta R.T. -0.012 min  
Lab File: VN075569.D  
Acq: 05 Dec 2022 19:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB149407ZHE#02

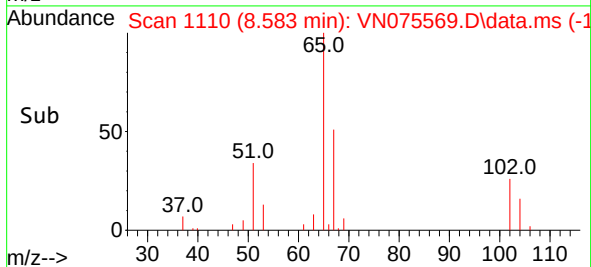
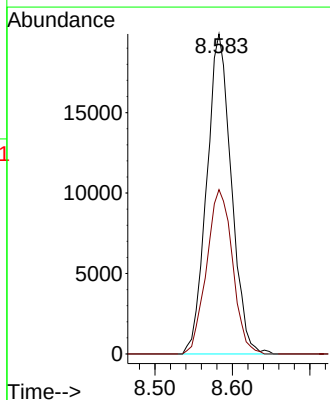
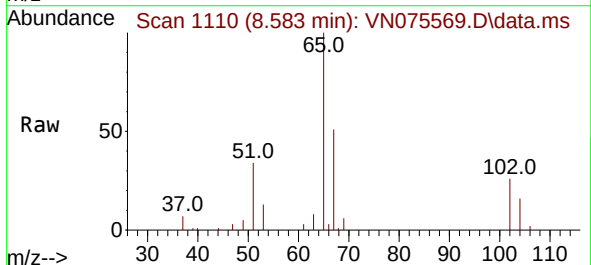


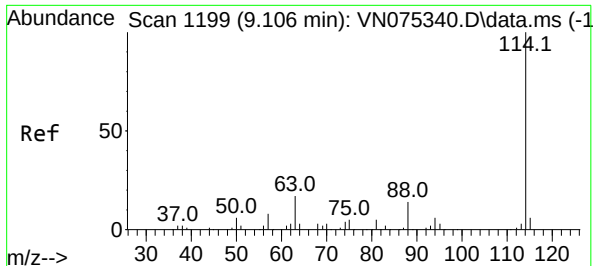
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 4794   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 86.4  | 94.9  | 142.3# |
| 51       | 26.2  | 26.8  | 40.2#  |
| 86       | 39.4  | 53.7  | 80.5#  |



#33  
1,2-Dichloroethane-d4  
Concen: 50.652 ug/l  
RT: 8.583 min Scan# 1110  
Delta R.T. -0.000 min  
Lab File: VN075569.D  
Acq: 05 Dec 2022 19:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 43873 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 54.0  | 0.0   | 102.0 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075569.D

Acq: 05 Dec 2022 19:19

Instrument :

MSVOA\_N

ClientSampleId :

PB149407ZHE#02

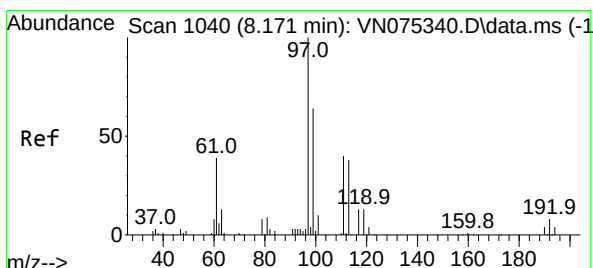
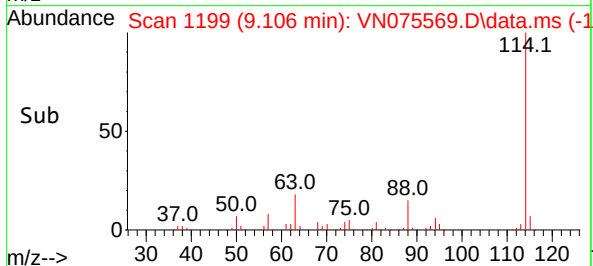
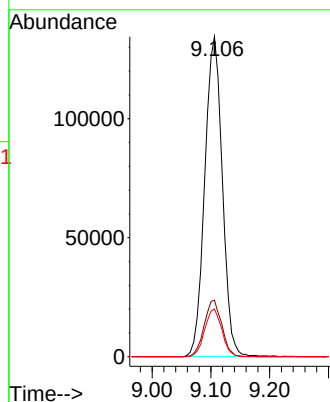
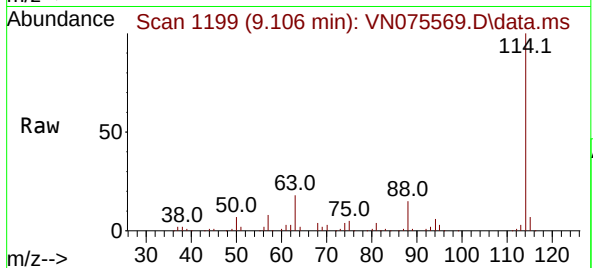
Tgt Ion:114 Resp: 279325

Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.6

88 14.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.457 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075569.D

Acq: 05 Dec 2022 19:19

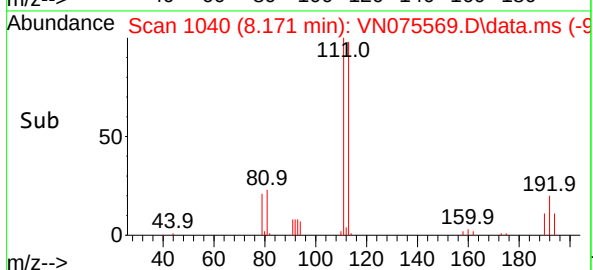
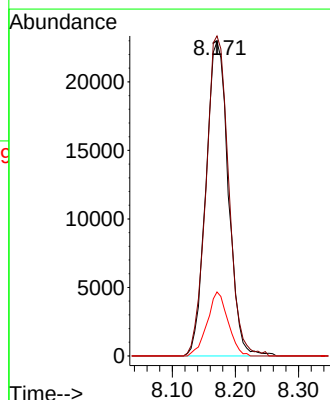
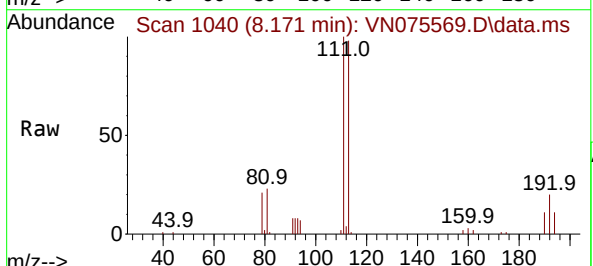
Tgt Ion:113 Resp: 56463

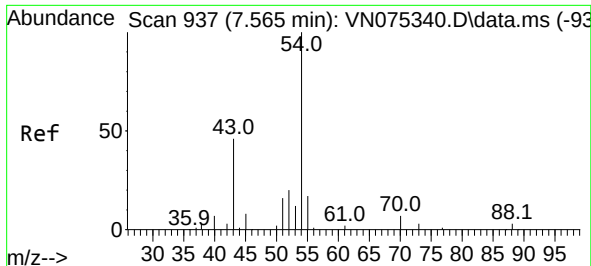
Ion Ratio Lower Upper

113 100

111 102.8 80.5 120.7

192 18.9 13.2 19.8

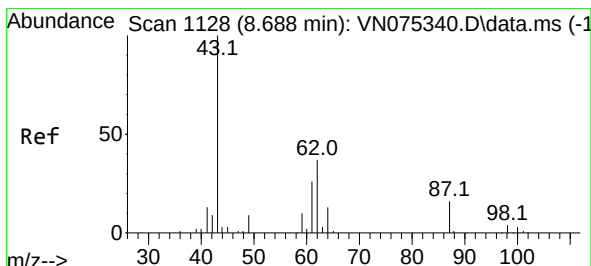
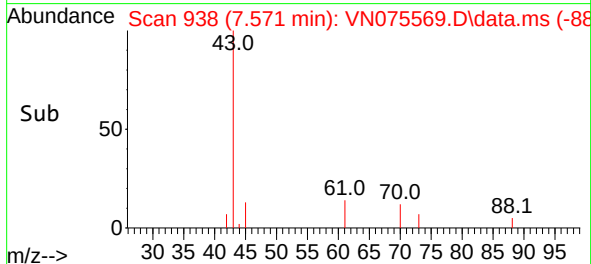
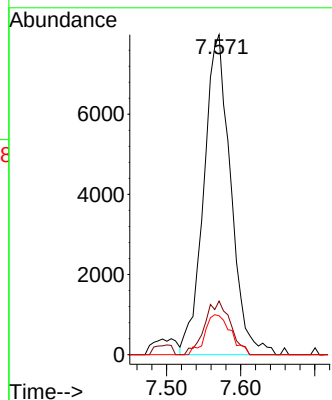
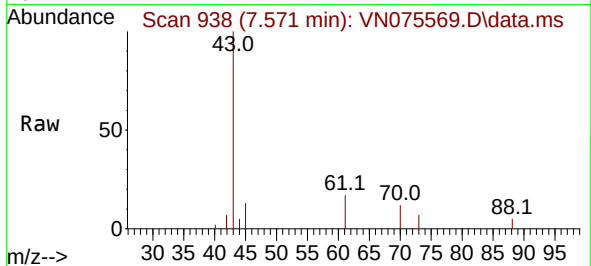




#37  
Ethyl Acetate  
Concen: 9.331 ug/l  
RT: 7.571 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN075569.D  
Acq: 05 Dec 2022 19:19

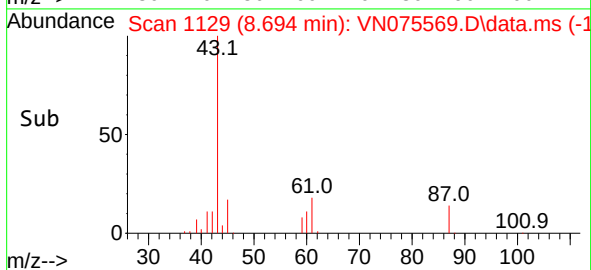
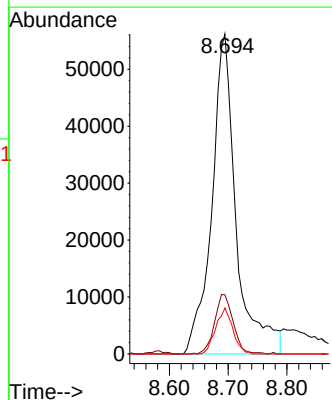
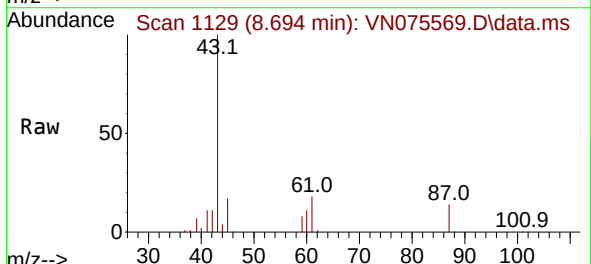
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB149407ZHE#02

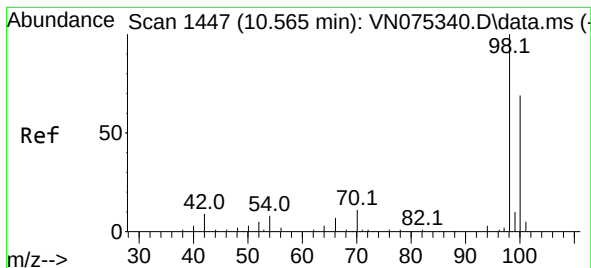
Tgt Ion: 43 Resp: 20104  
Ion Ratio Lower Upper  
43 100  
61 16.2 12.2 18.4  
70 12.0 9.4 14.2



#43  
Isopropyl Acetate  
Concen: 46.775 ug/l  
RT: 8.694 min Scan# 1129  
Delta R.T. 0.006 min  
Lab File: VN075569.D  
Acq: 05 Dec 2022 19:19

Tgt Ion: 43 Resp: 161770  
Ion Ratio Lower Upper  
43 100  
61 14.2 22.4 33.6#  
87 10.1 12.5 18.7#





#50

Toluene-d8

Concen: 50.242 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VN075569.D

Acq: 05 Dec 2022 19:19

Instrument :

MSVOA\_N

ClientSampleId :

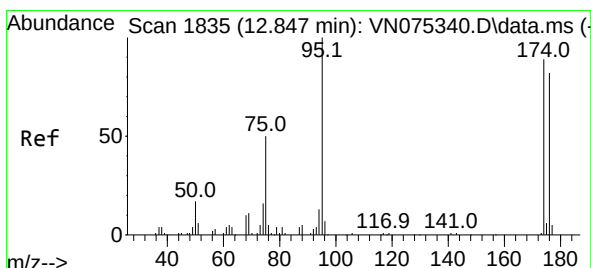
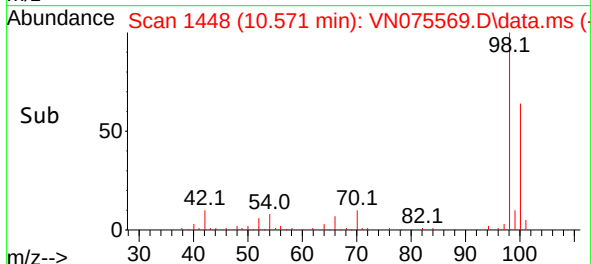
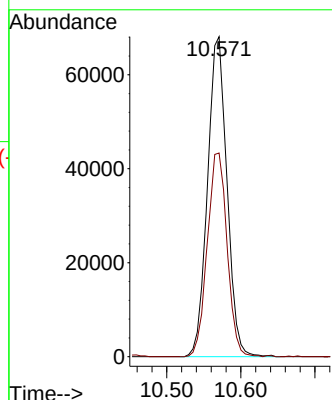
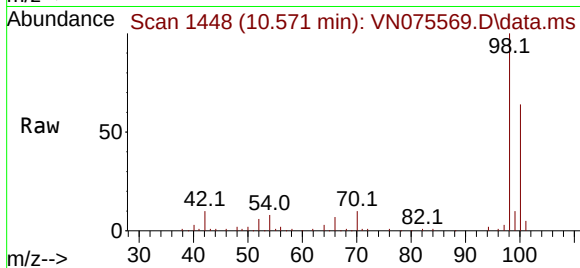
PB149407ZHE#02

Tgt Ion: 98 Resp: 124167

Ion Ratio Lower Upper

98 100

100 64.8 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 48.612 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.006 min

Lab File: VN075569.D

Acq: 05 Dec 2022 19:19

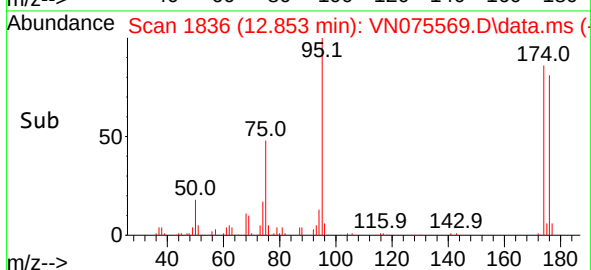
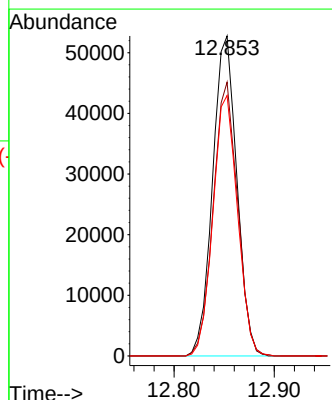
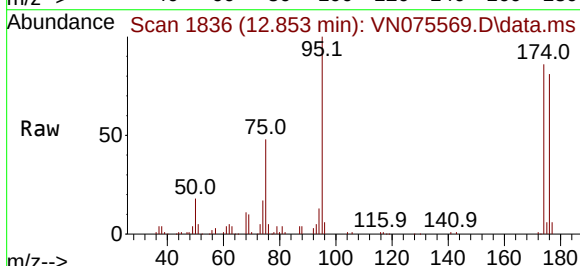
Tgt Ion: 95 Resp: 88676

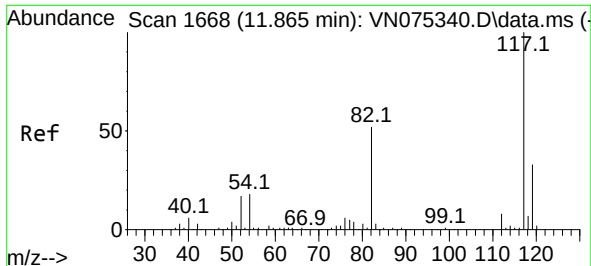
Ion Ratio Lower Upper

95 100

174 85.6 0.0 147.4

176 82.4 0.0 142.2

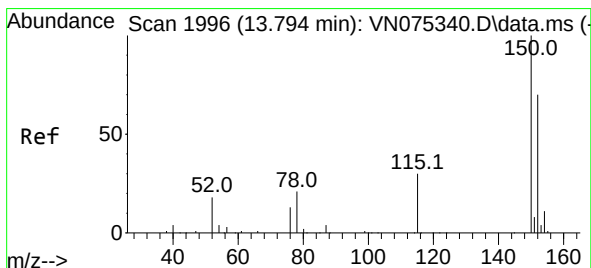
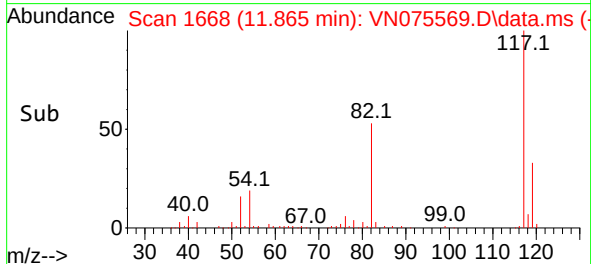
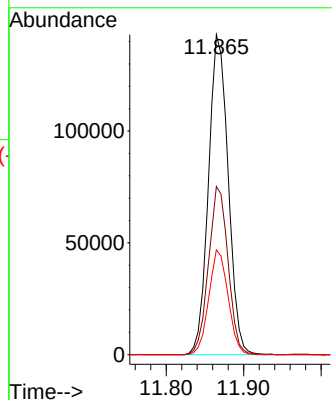
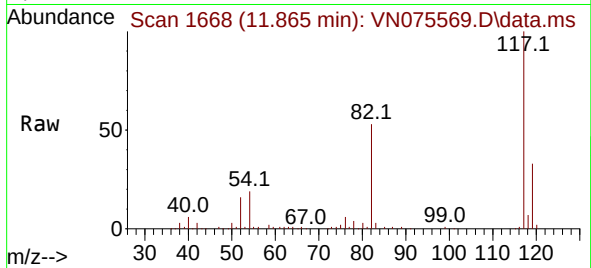




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN075569.D  
Acq: 05 Dec 2022 19:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB149407ZHE#02

Tgt Ion:117 Resp: 252404  
Ion Ratio Lower Upper  
117 100  
82 52.6 43.1 64.7  
119 32.7 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. 0.000 min  
Lab File: VN075569.D  
Acq: 05 Dec 2022 19:19

Tgt Ion:152 Resp: 111598  
Ion Ratio Lower Upper  
152 100  
115 57.4 30.2 90.6  
150 155.7 0.0 348.4

