

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121222\  
 Data File : VN075742.D  
 Acq On : 13 Dec 2022 05:41  
 Operator : JC\MD  
 Sample : PB149517ZHE#05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB149517ZHE#05

Quant Time: Dec 13 06:01:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120922W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 12 07:54:35 2022  
 Response via : Initial Calibration

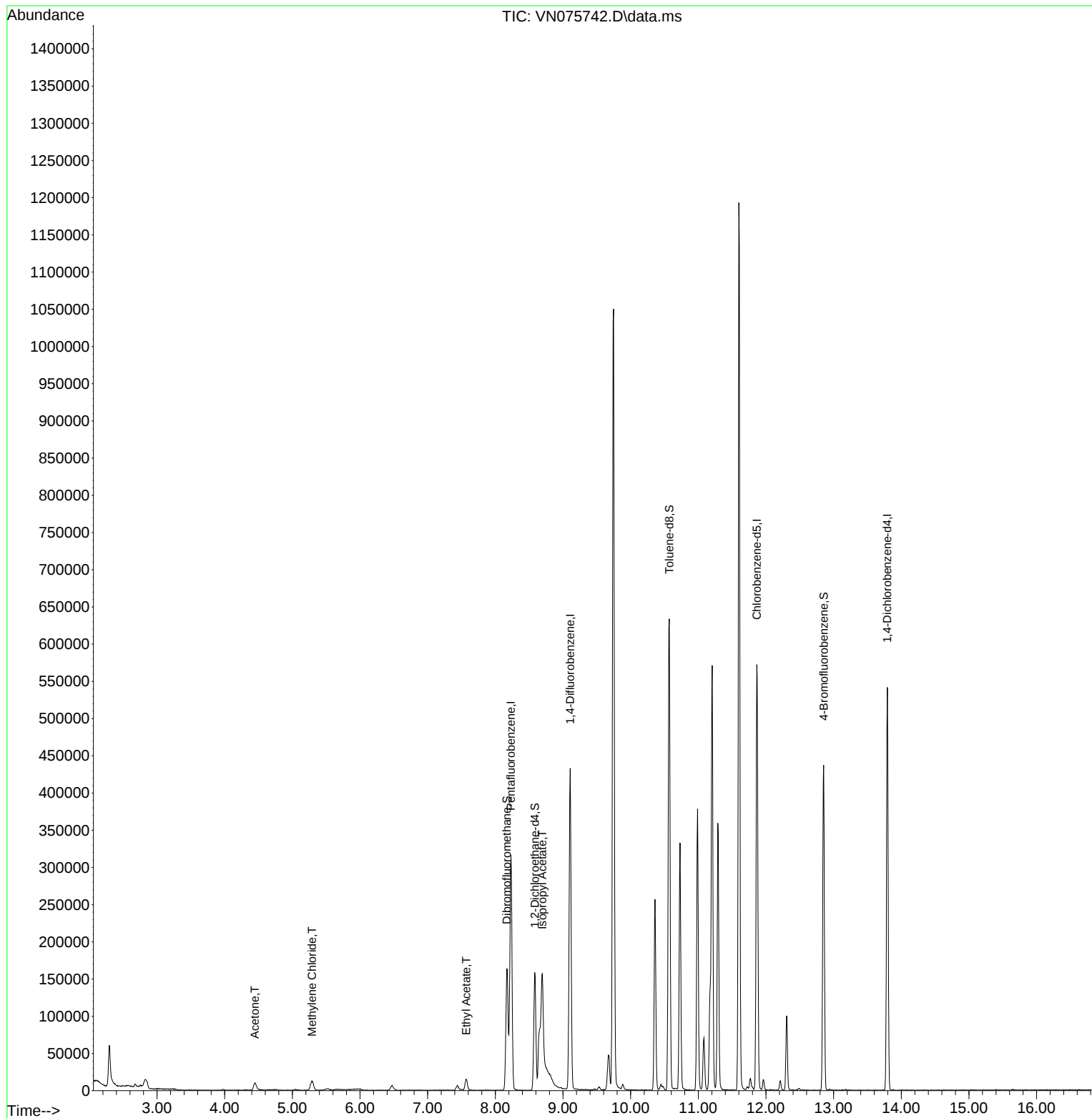
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 244333   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 395680   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 357590   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 155484   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 125632   | 48.461   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 96.920%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 117917   | 48.845   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 97.700%  |
| 50) Toluene-d8              | 10.571 | 98    | 462430   | 51.007   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 102.020% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 150986   | 48.709   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 97.420%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.447  | 43    | 18811    | 21.426   | ug/l   | 100      |
| 20) Methylene Chloride      | 5.289  | 84    | 11502    | 4.395    | ug/l # | 84       |
| 37) Ethyl Acetate           | 7.571  | 43    | 22445    | 8.721    | ug/l   | 98       |
| 43) Isopropyl Acetate       | 8.694  | 43    | 293567   | 68.324   | ug/l # | 67       |
| -----                       |        |       |          |          |        |          |

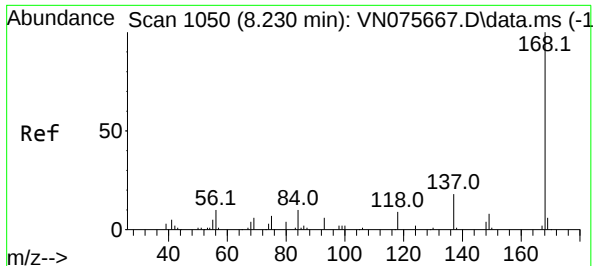
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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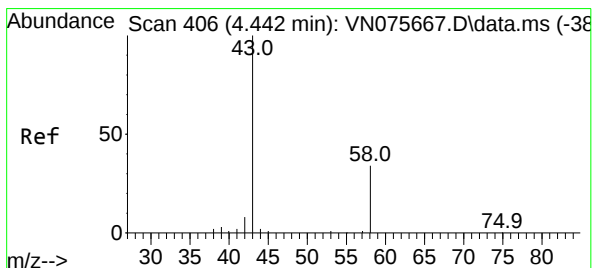
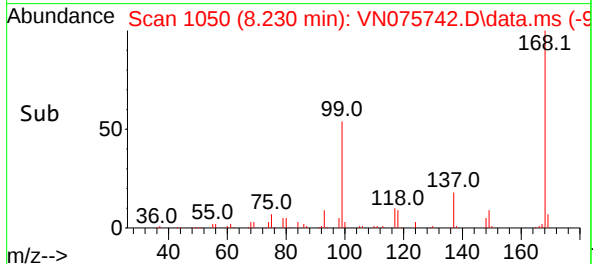
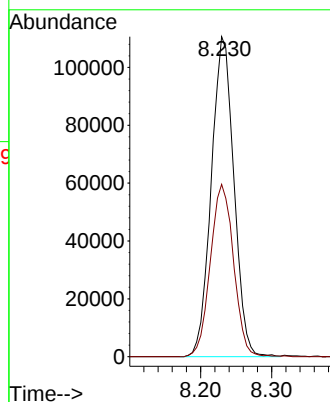
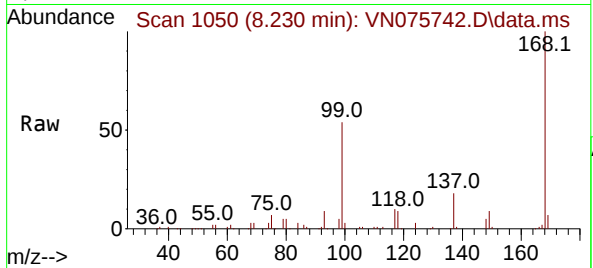




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN075742.D  
Acq: 13 Dec 2022 05:41

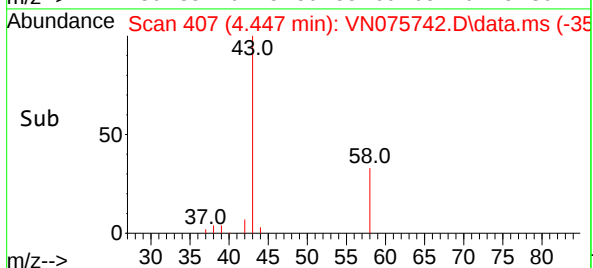
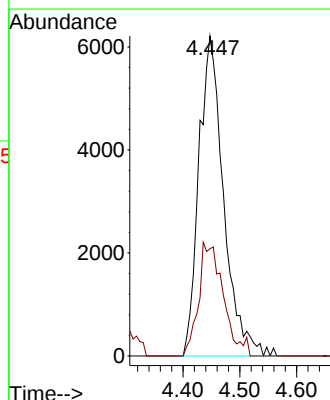
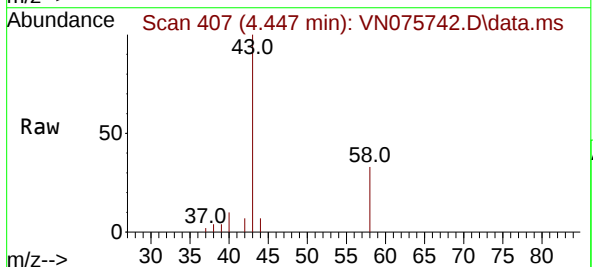
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB149517ZHE#05

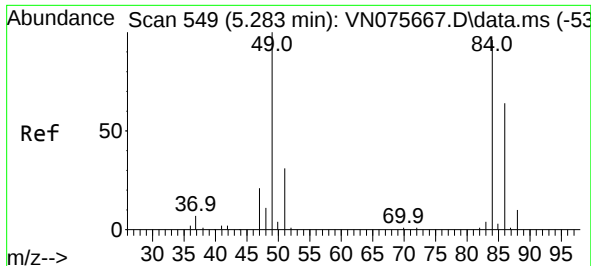
Tgt Ion:168 Resp: 244333  
Ion Ratio Lower Upper  
168 100  
99 53.8 41.2 61.8



#16  
Acetone  
Concen: 21.426 ug/l  
RT: 4.447 min Scan# 407  
Delta R.T. 0.006 min  
Lab File: VN075742.D  
Acq: 13 Dec 2022 05:41

Tgt Ion: 43 Resp: 18811  
Ion Ratio Lower Upper  
43 100  
58 33.5 27.0 40.4

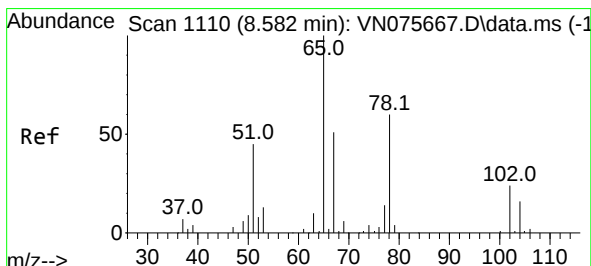
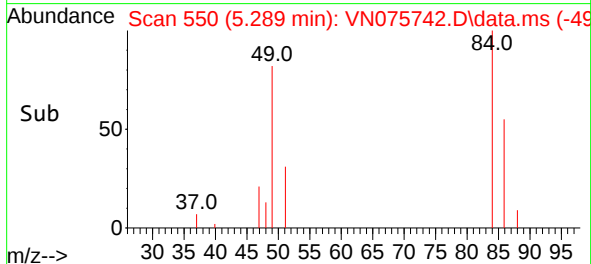
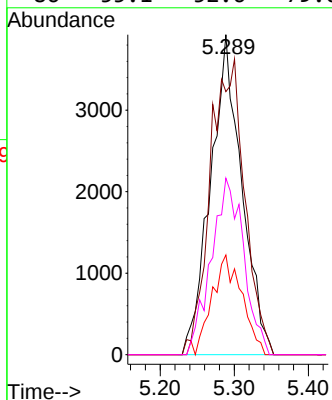
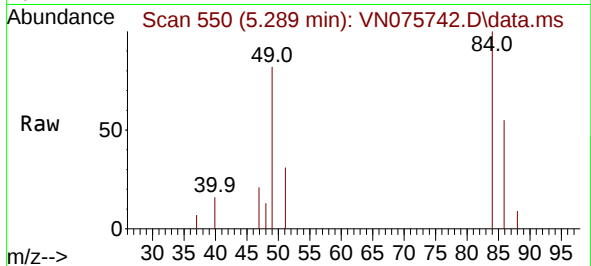




#20  
Methylene Chloride  
Concen: 4.395 ug/l  
RT: 5.289 min Scan# 511  
Delta R.T. 0.006 min  
Lab File: VN075742.D  
Acq: 13 Dec 2022 05:41

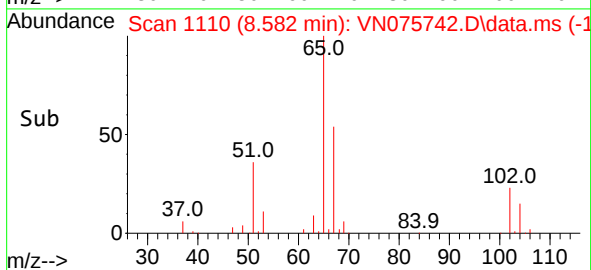
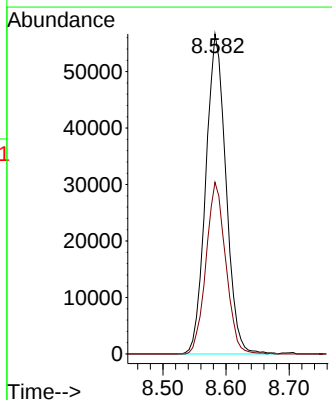
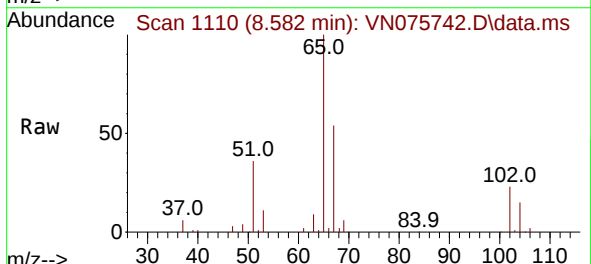
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB149517ZHE#05

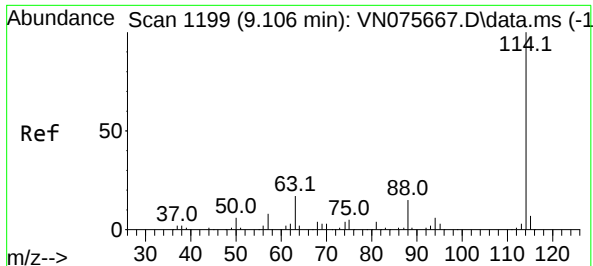
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 11502  |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 82.2  | 83.0  | 124.4# |
| 51       | 31.2  | 26.0  | 39.0   |
| 86       | 55.1  | 52.6  | 79.0   |



#33  
1,2-Dichloroethane-d4  
Concen: 48.461 ug/l  
RT: 8.582 min Scan# 1110  
Delta R.T. 0.000 min  
Lab File: VN075742.D  
Acq: 13 Dec 2022 05:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 125632 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 52.5  | 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: VN075742.D

Acq: 13 Dec 2022 05:41

Instrument :

MSVOA\_N

ClientSampleId :

PB149517ZHE#05

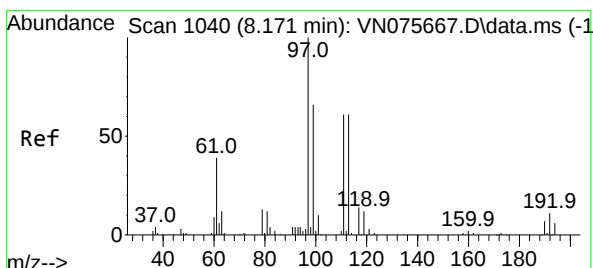
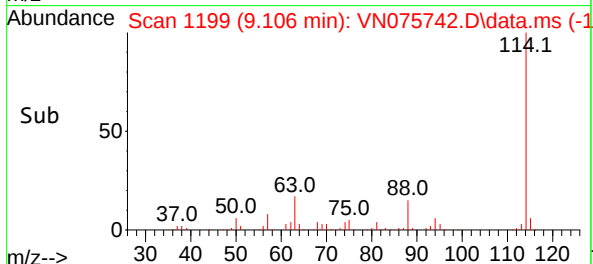
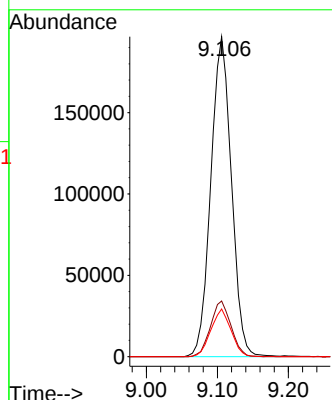
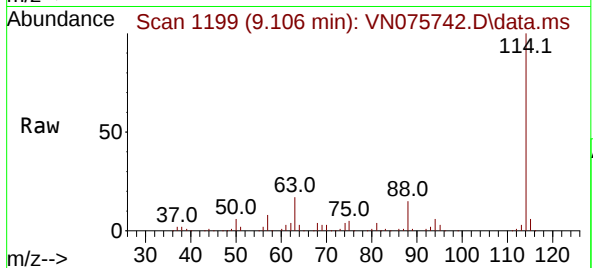
Tgt Ion:114 Resp: 395680

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.4

88 14.9 0.0 29.2



#35

Dibromofluoromethane

Concen: 48.845 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN075742.D

Acq: 13 Dec 2022 05:41

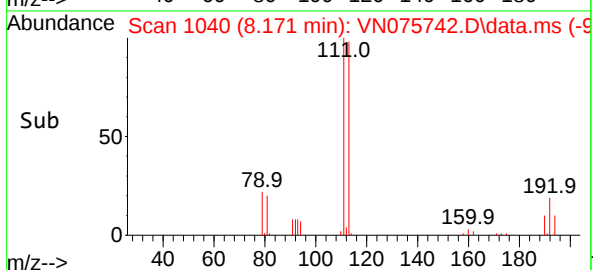
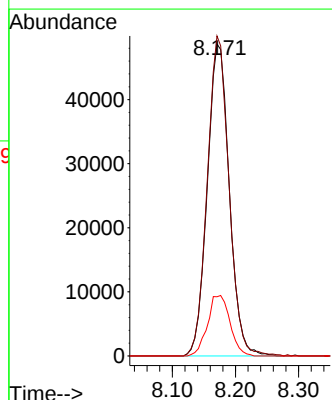
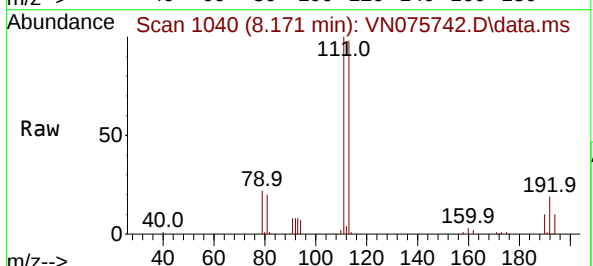
Tgt Ion:113 Resp: 117917

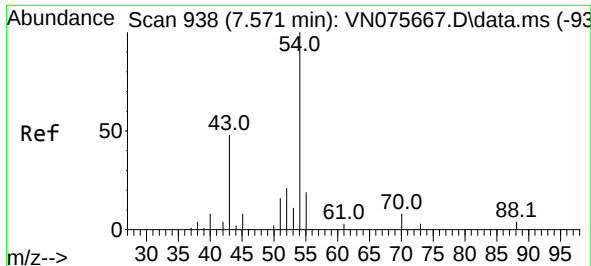
Ion Ratio Lower Upper

113 100

111 101.2 81.0 121.6

192 19.8 16.2 24.2





#37

Ethyl Acetate

Concen: 8.721 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN075742.D

Acq: 13 Dec 2022 05:41

Instrument :

MSVOA\_N

ClientSampleId :

PB149517ZHE#05

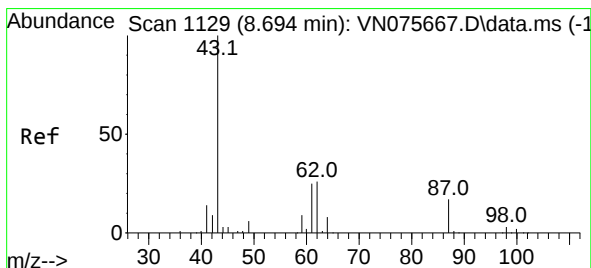
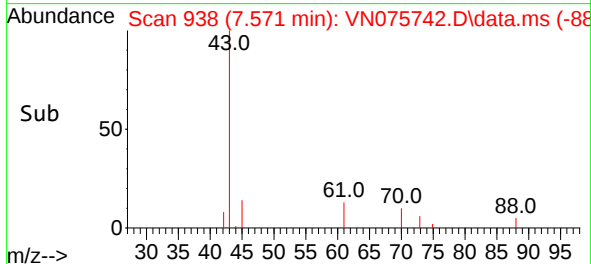
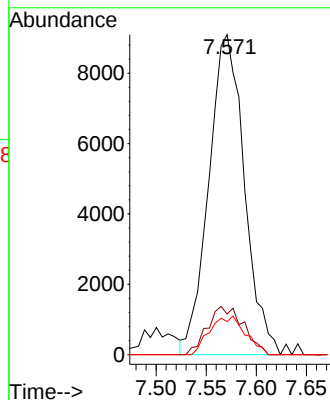
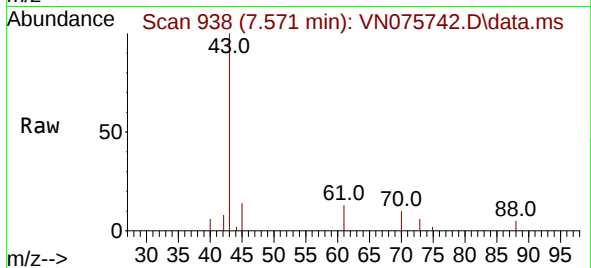
Tgt Ion: 43 Resp: 22445

Ion Ratio Lower Upper

43 100

61 15.3 13.3 19.9

70 12.1 9.9 14.9



#43

Isopropyl Acetate

Concen: 68.324 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN075742.D

Acq: 13 Dec 2022 05:41

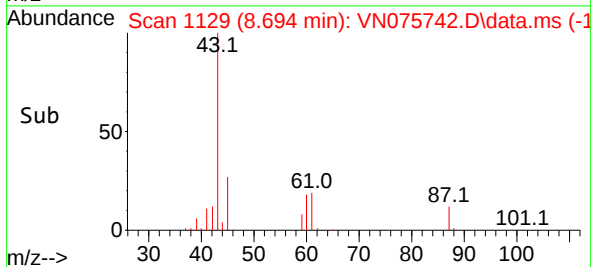
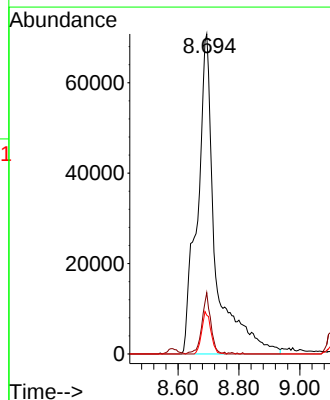
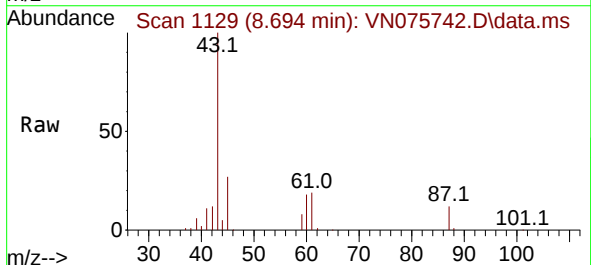
Tgt Ion: 43 Resp: 293567

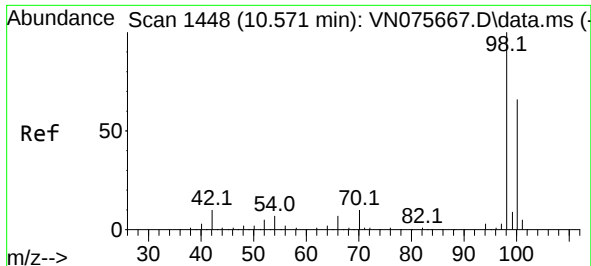
Ion Ratio Lower Upper

43 100

61 9.3 23.8 35.8#

87 6.7 13.7 20.5#

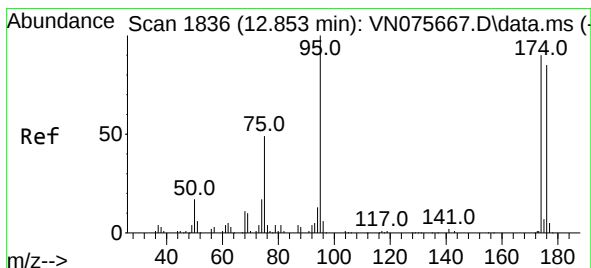
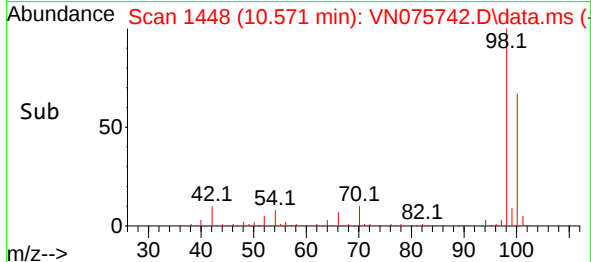
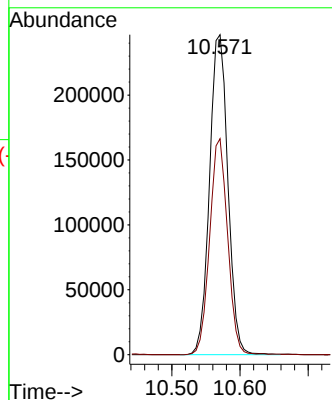
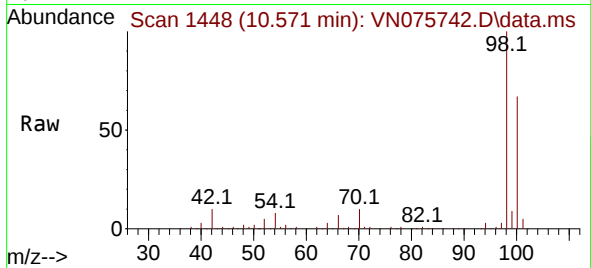




#50  
Toluene-d8  
Concen: 51.007 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VN075742.D  
Acq: 13 Dec 2022 05:41

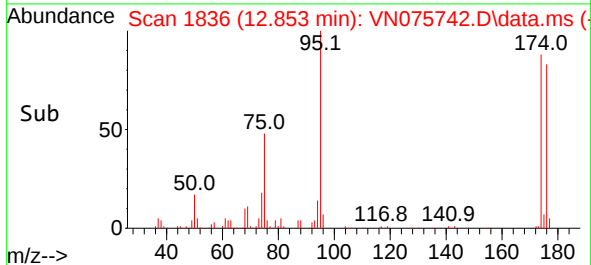
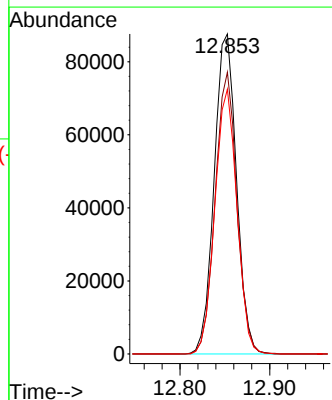
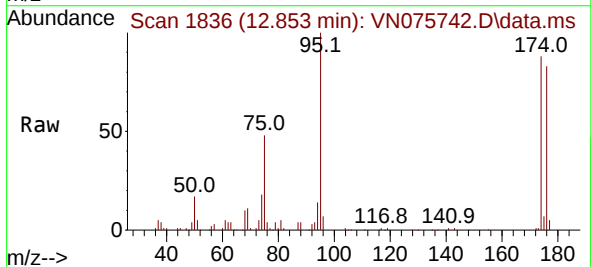
Instrument :  
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PB149517ZHE#05

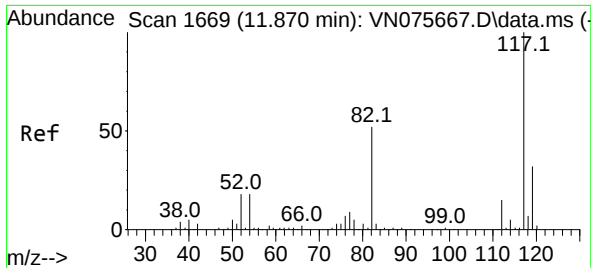
Tgt Ion: 98 Resp: 462430  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 48.709 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VN075742.D  
Acq: 13 Dec 2022 05:41

Tgt Ion: 95 Resp: 150986  
Ion Ratio Lower Upper  
95 100  
174 85.7 0.0 178.6  
176 82.1 0.0 170.8

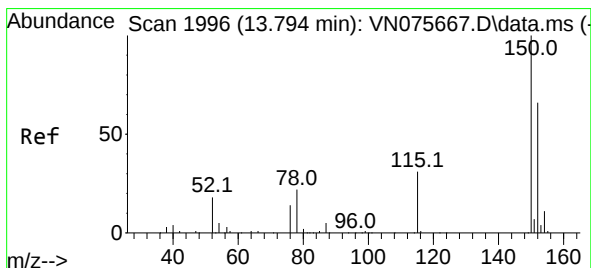
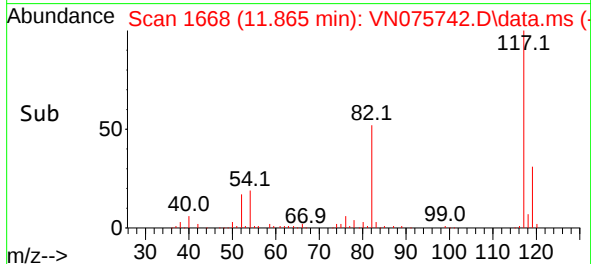
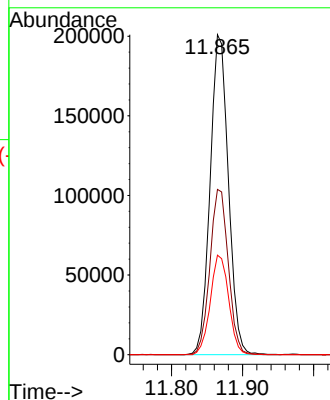
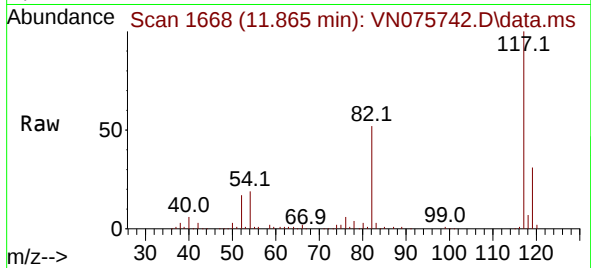




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.006 min  
Lab File: VN075742.D  
Acq: 13 Dec 2022 05:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB149517ZHE#05

Tgt Ion:117 Resp: 357590  
Ion Ratio Lower Upper  
117 100  
82 51.7 41.8 62.8  
119 31.1 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: VN075742.D  
Acq: 13 Dec 2022 05:41

Tgt Ion:152 Resp: 155484  
Ion Ratio Lower Upper  
152 100  
115 57.5 28.4 85.2  
150 156.2 0.0 347.6

