

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121222\  
 Data File : VN075743.D  
 Acq On : 13 Dec 2022 06:04  
 Operator : JC\MD  
 Sample : PB149517ZHE#06  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB149517ZHE#06

Quant Time: Dec 13 06:23:44 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

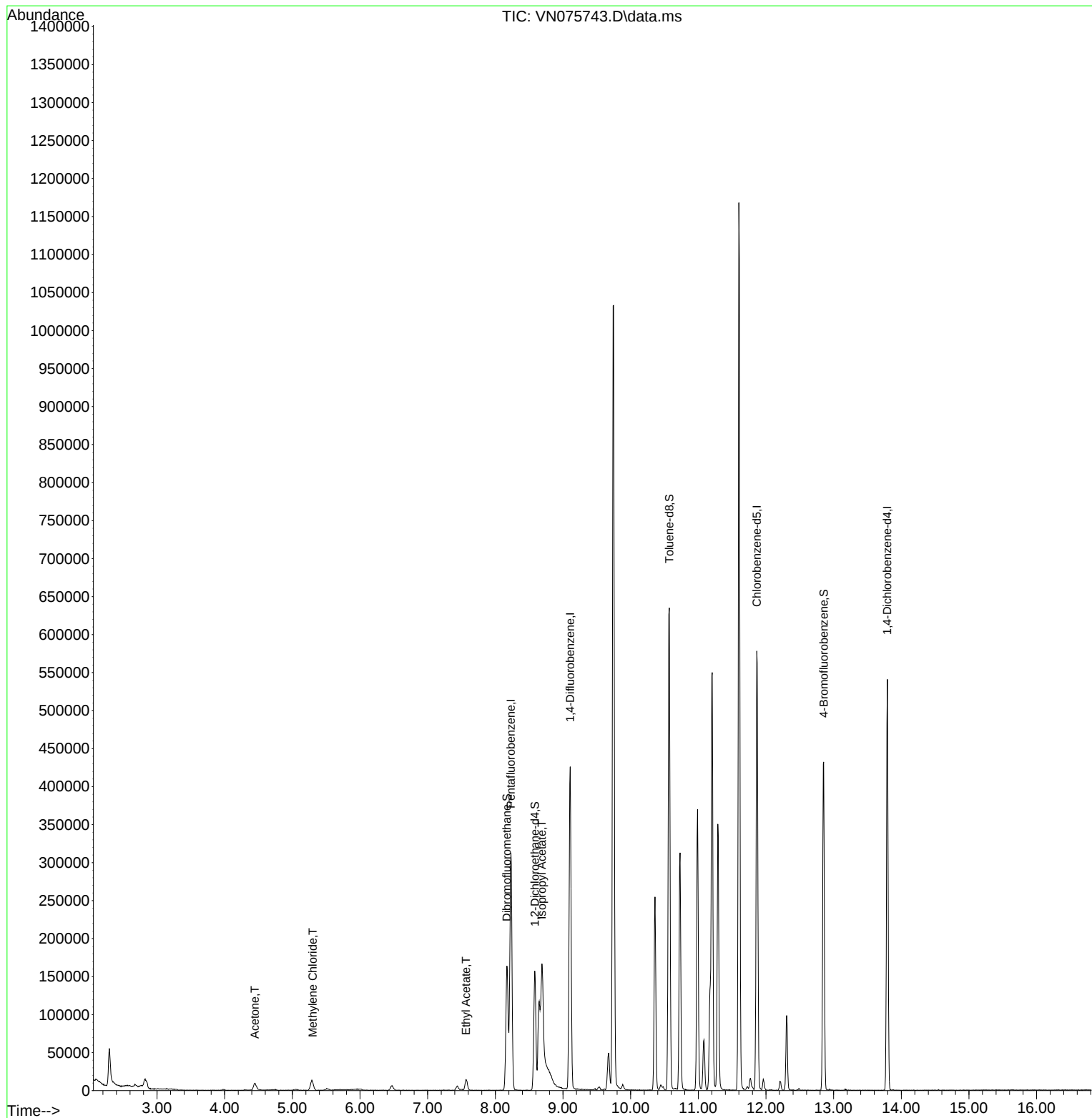
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 245907   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 395130   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 356959   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 151385   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 124133   | 47.576   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 95.160%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 117967   | 48.934   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 97.860%  |
| 50) Toluene-d8              | 10.571 | 98    | 459437   | 50.747   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 101.500% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 145993   | 47.164   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 94.320%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.448  | 43    | 18405    | 20.830   | ug/l   | 97       |
| 20) Methylene Chloride      | 5.300  | 84    | 11367    | 4.315    | ug/l   | 87       |
| 37) Ethyl Acetate           | 7.565  | 43    | 21716    | 8.449    | ug/l   | 98       |
| 43) Isopropyl Acetate       | 8.688  | 43    | 251944   | 58.719   | ug/l # | 70       |
| -----                       |        |       |          |          |        |          |

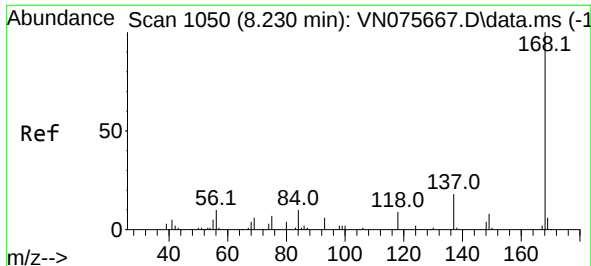
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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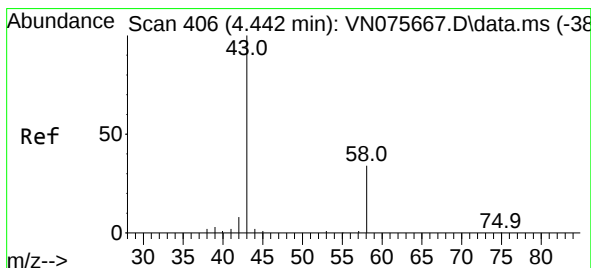
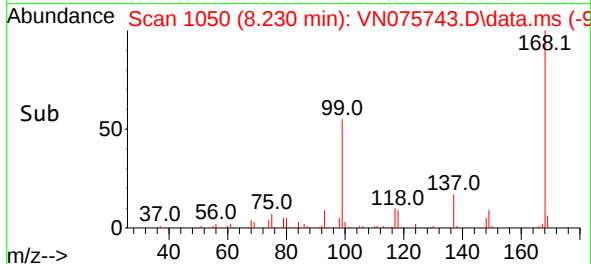
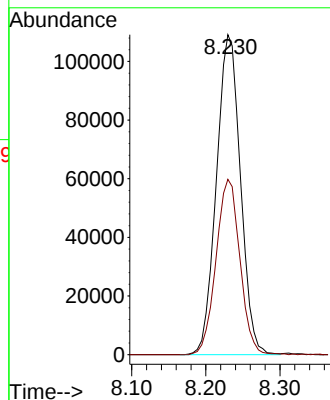
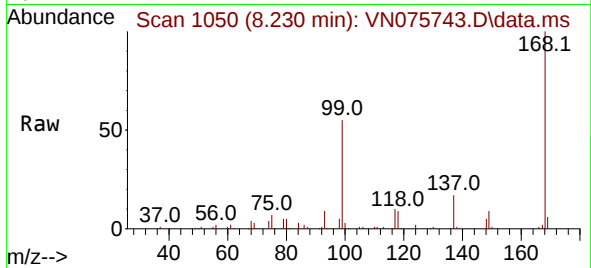




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN075743.D  
Acq: 13 Dec 2022 06:04

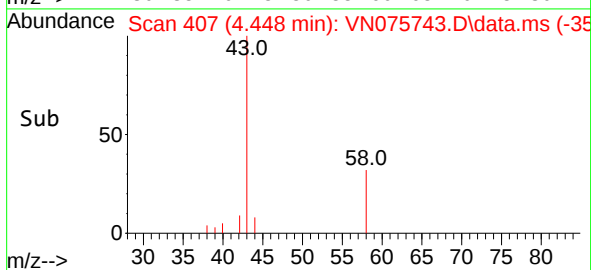
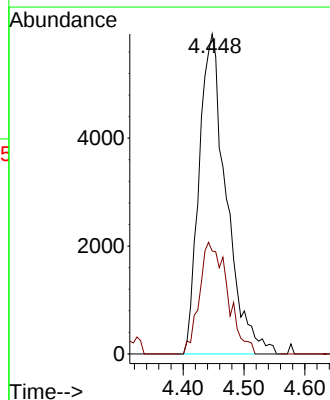
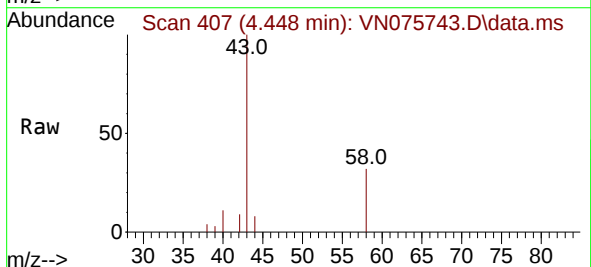
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB149517ZHE#06

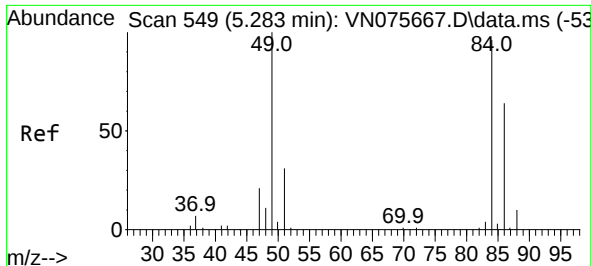
Tgt Ion:168 Resp: 245907  
Ion Ratio Lower Upper  
168 100  
99 54.8 41.2 61.8



#16  
Acetone  
Concen: 20.830 ug/l  
RT: 4.448 min Scan# 407  
Delta R.T. 0.006 min  
Lab File: VN075743.D  
Acq: 13 Dec 2022 06:04

Tgt Ion: 43 Resp: 18405  
Ion Ratio Lower Upper  
43 100  
58 32.1 27.0 40.4

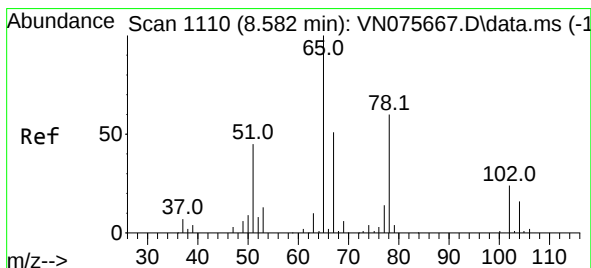
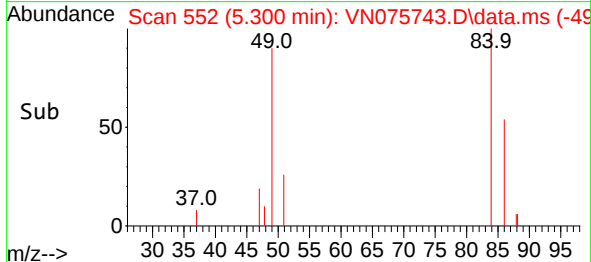
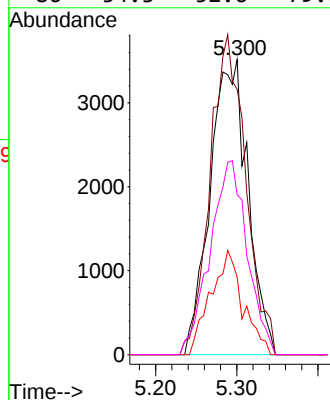
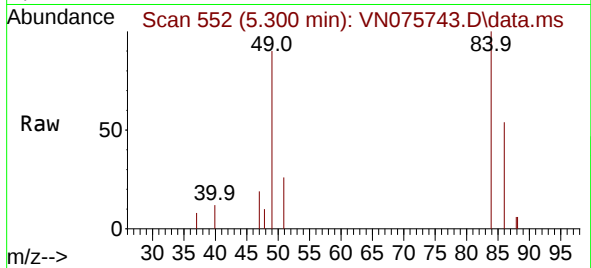




#20  
Methylene Chloride  
Concen: 4.315 ug/l  
RT: 5.300 min Scan# 511  
Delta R.T. 0.018 min  
Lab File: VN075743.D  
Acq: 13 Dec 2022 06:04

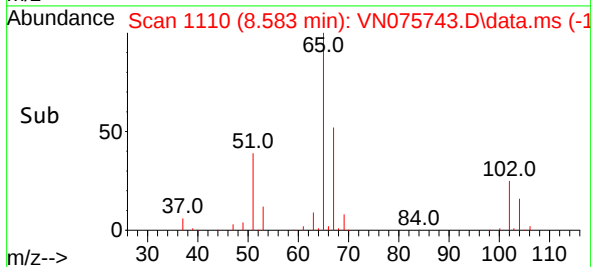
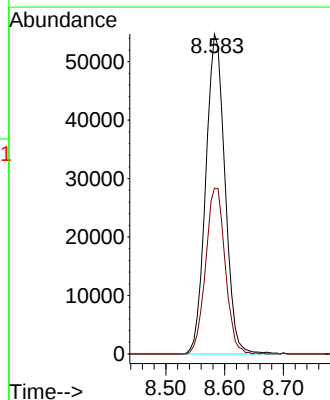
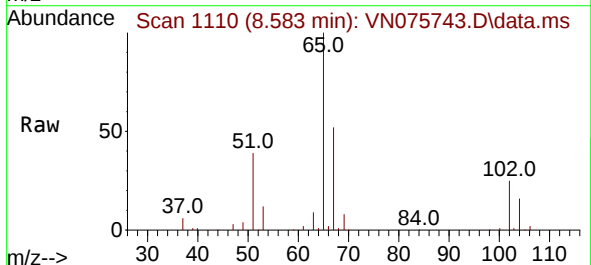
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB149517ZHE#06

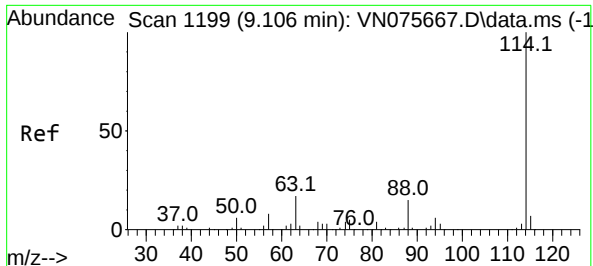
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 11367 |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 90.0     | 83.0 124.4  |
| 51 26.4     | 26.0 39.0   |
| 86 54.3     | 52.6 79.0   |



#33  
1,2-Dichloroethane-d4  
Concen: 47.576 ug/l  
RT: 8.583 min Scan# 1110  
Delta R.T. 0.000 min  
Lab File: VN075743.D  
Acq: 13 Dec 2022 06:04

|             |              |
|-------------|--------------|
| Tgt Ion: 65 | Resp: 124133 |
| 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: VN075743.D

Acq: 13 Dec 2022 06:04

Instrument :

MSVOA\_N

ClientSampleId :

PB149517ZHE#06

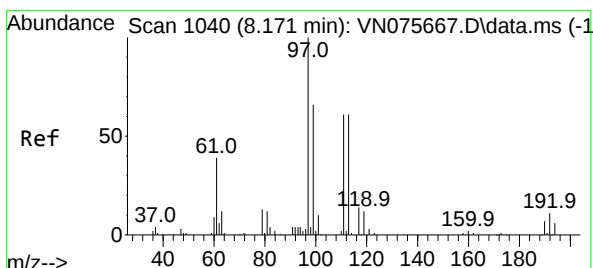
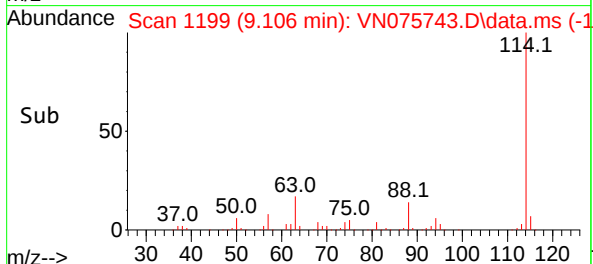
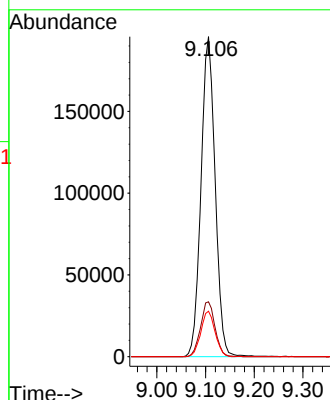
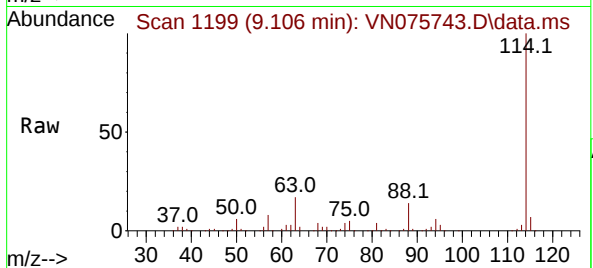
Tgt Ion:114 Resp: 395130

Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.4

88 14.2 0.0 29.2



#35

Dibromofluoromethane

Concen: 48.934 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN075743.D

Acq: 13 Dec 2022 06:04

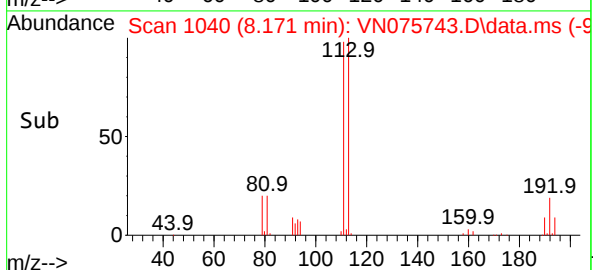
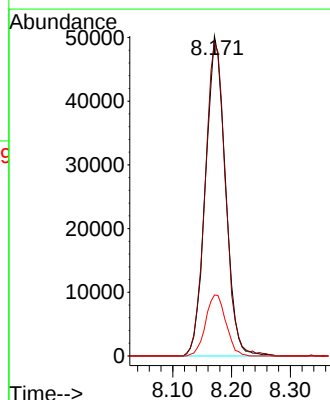
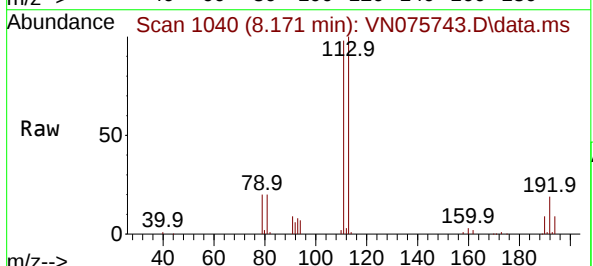
Tgt Ion:113 Resp: 117967

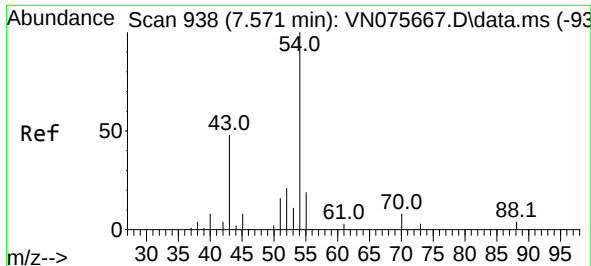
Ion Ratio Lower Upper

113 100

111 100.8 81.0 121.6

192 19.4 16.2 24.2

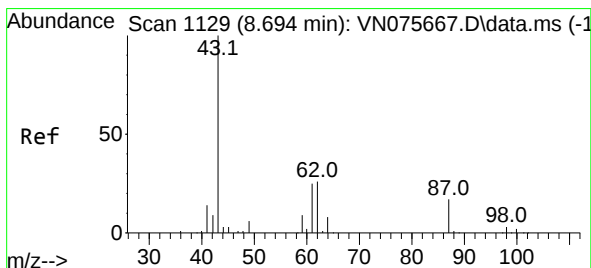
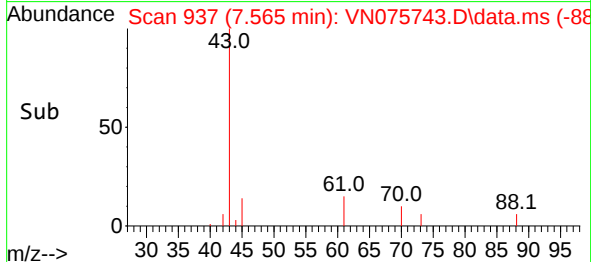
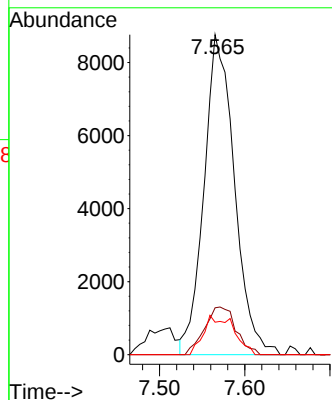
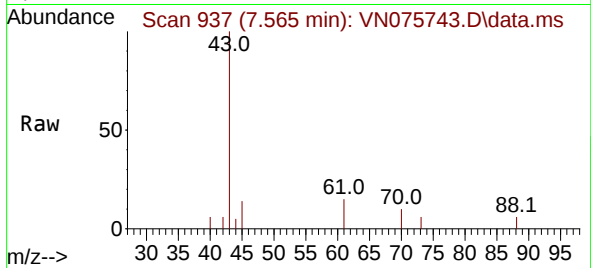




#37  
Ethyl Acetate  
Concen: 8.449 ug/l  
RT: 7.565 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN075743.D  
Acq: 13 Dec 2022 06:04

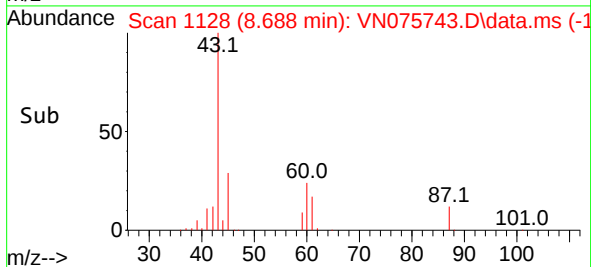
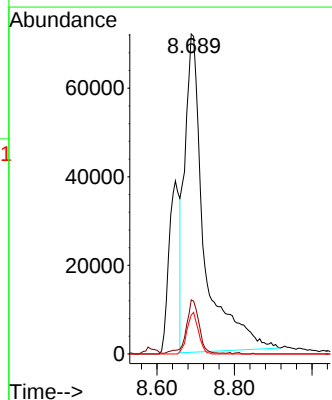
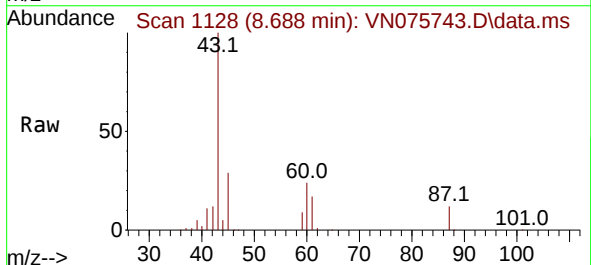
Instrument :  
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PB149517ZHE#06

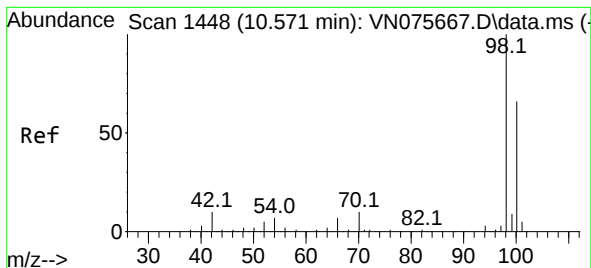
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 21716 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 15.5  | 13.3  | 19.9  |
| 70       | 12.1  | 9.9   | 14.9  |



#43  
Isopropyl Acetate  
Concen: 58.719 ug/l  
RT: 8.688 min Scan# 1128  
Delta R.T. -0.006 min  
Lab File: VN075743.D  
Acq: 13 Dec 2022 06:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 251944 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 11.0  | 23.8  | 35.8#  |
| 87       | 7.6   | 13.7  | 20.5#  |

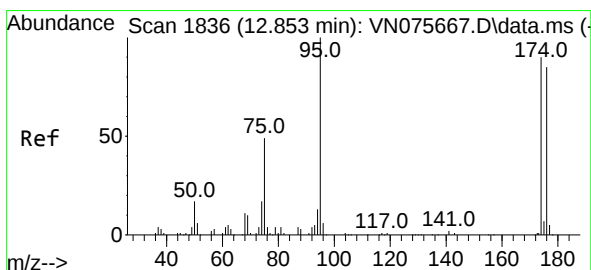
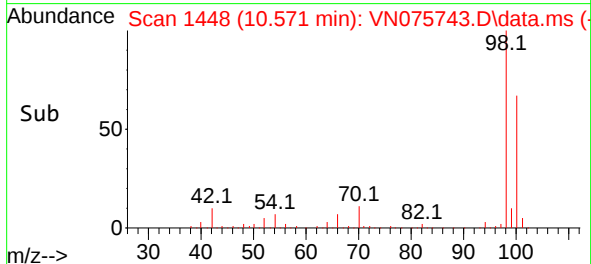
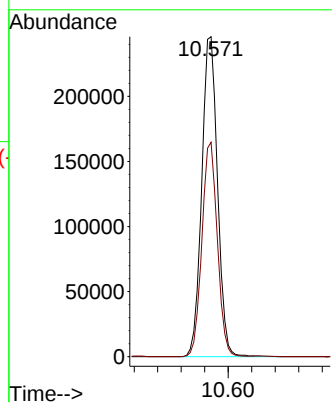
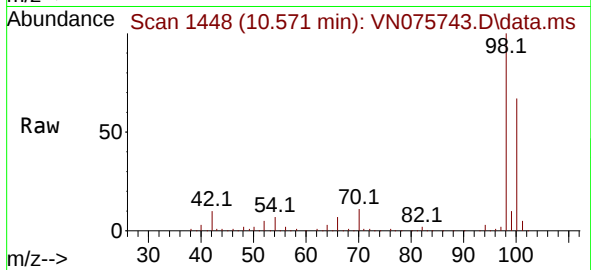




#50  
Toluene-d8  
Concen: 50.747 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VN075743.D  
Acq: 13 Dec 2022 06:04

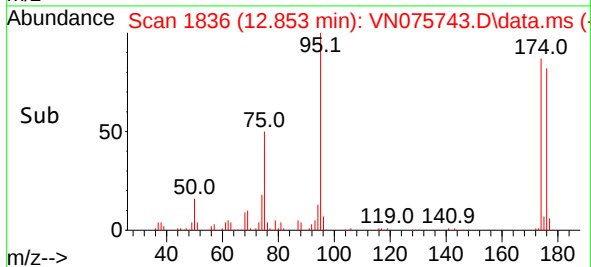
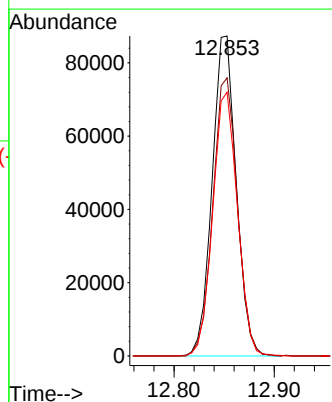
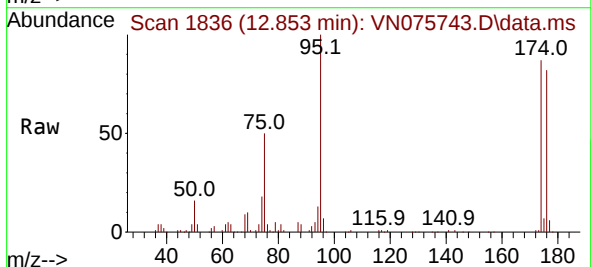
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB149517ZHE#06

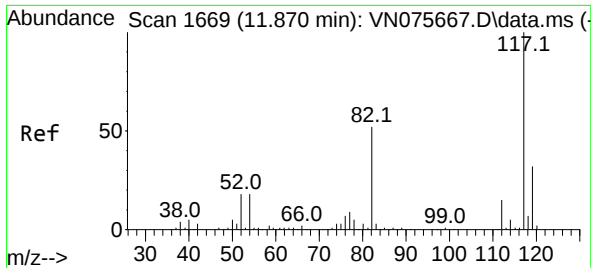
Tgt Ion: 98 Resp: 459437  
Ion Ratio Lower Upper  
98 100  
100 65.5 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 47.164 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VN075743.D  
Acq: 13 Dec 2022 06:04

Tgt Ion: 95 Resp: 145993  
Ion Ratio Lower Upper  
95 100  
174 88.6 0.0 178.6  
176 84.4 0.0 170.8

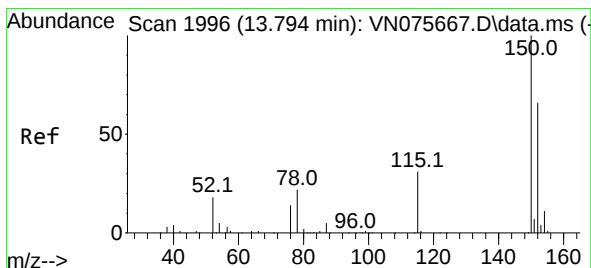
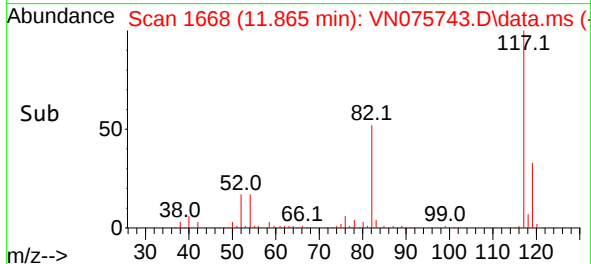
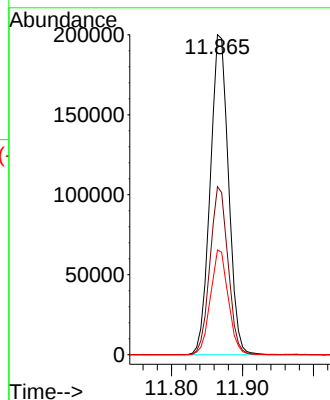
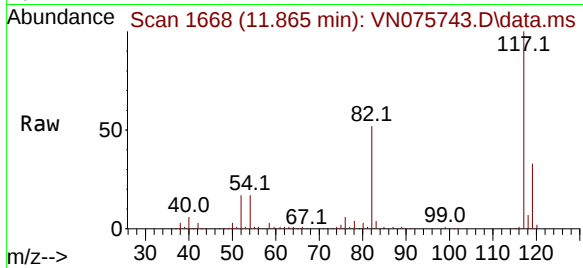




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.006 min  
Lab File: VN075743.D  
Acq: 13 Dec 2022 06:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB149517ZHE#06

Tgt Ion:117 Resp: 356959  
Ion Ratio Lower Upper  
117 100  
82 52.5 41.8 62.8  
119 32.7 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: VN075743.D  
Acq: 13 Dec 2022 06:04

Tgt Ion:152 Resp: 151385  
Ion Ratio Lower Upper  
152 100  
115 56.6 28.4 85.2  
150 157.3 0.0 347.6

