

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121222\  
 Data File : VN075741.D  
 Acq On : 13 Dec 2022 05:17  
 Operator : JC\MD  
 Sample : PB149517ZHE#04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB149517ZHE#04

Quant Time: Dec 13 06:01:27 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

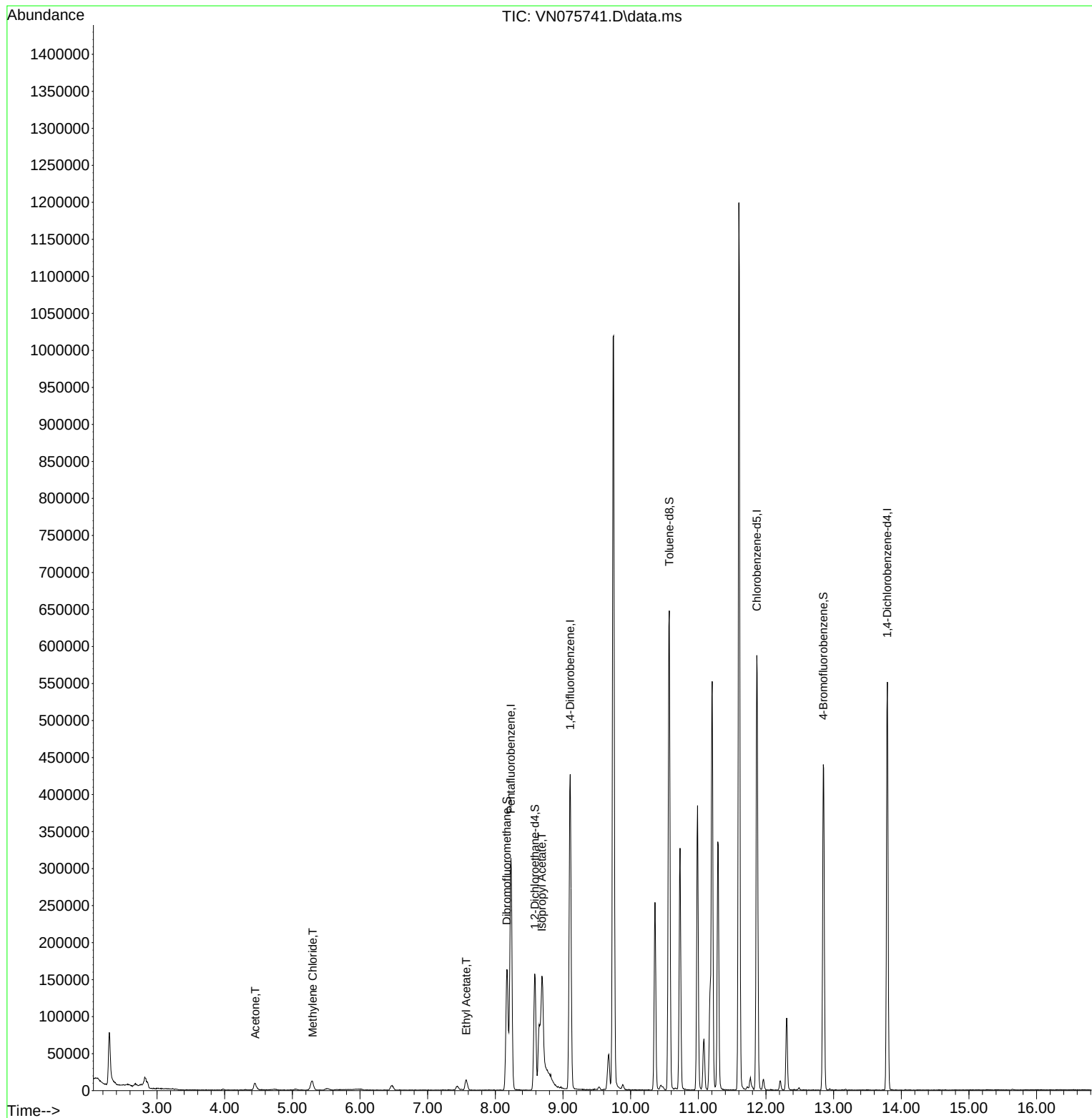
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 249642   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 394860   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 362240   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 155767   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 128081   | 48.355   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 96.700%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 119547   | 49.623   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 99.240%  |
| 50) Toluene-d8              | 10.571 | 98    | 462743   | 51.147   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 102.300% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 151860   | 49.093   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 98.180%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.453  | 43    | 16916    | 18.858   | ug/l   | 93       |
| 20) Methylene Chloride      | 5.300  | 84    | 10529    | 3.937    | ug/l   | 94       |
| 37) Ethyl Acetate           | 7.571  | 43    | 21100    | 8.215    | ug/l   | 98       |
| 43) Isopropyl Acetate       | 8.688  | 43    | 274640   | 64.052   | ug/l # | 68       |
| -----                       |        |       |          |          |        |          |

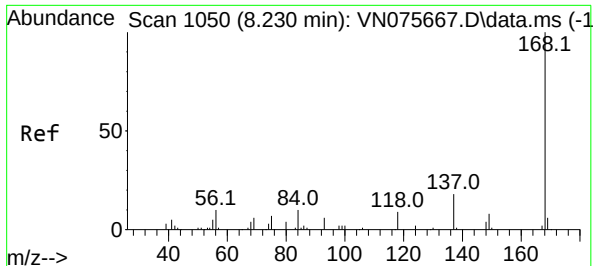
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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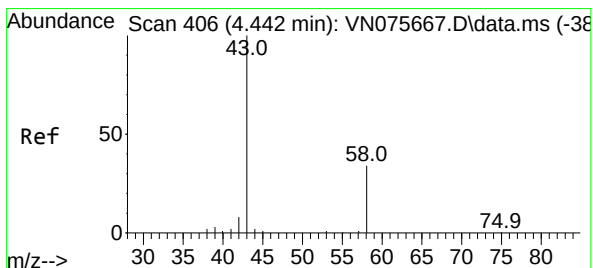
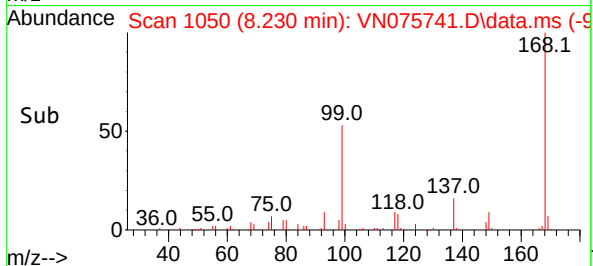
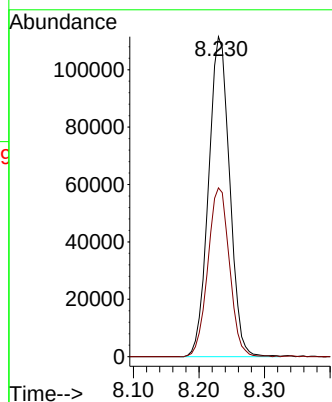
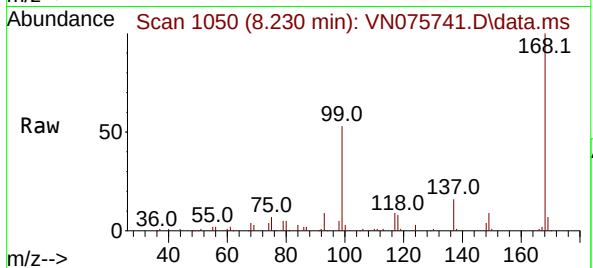




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN075741.D  
Acq: 13 Dec 2022 05:17

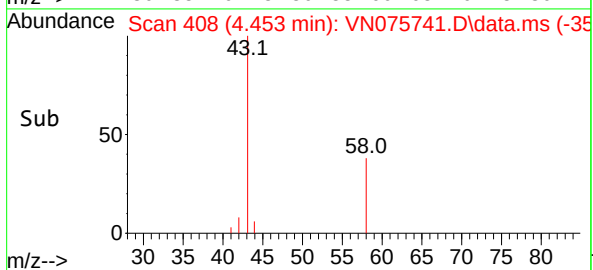
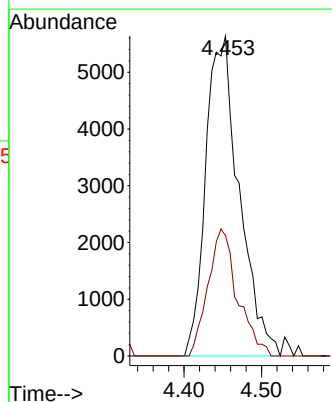
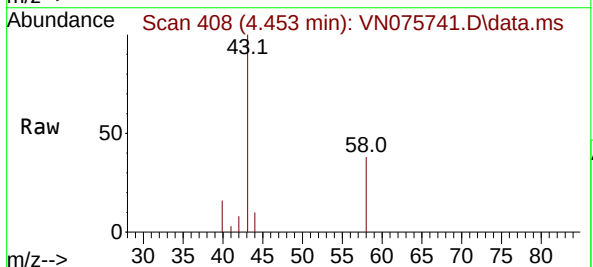
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB149517ZHE#04

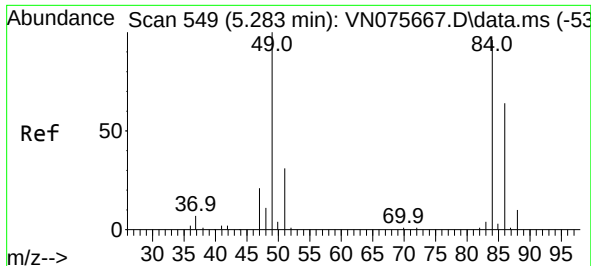
Tgt Ion:168 Resp: 249642  
Ion Ratio Lower Upper  
168 100  
99 52.7 41.2 61.8



#16  
Acetone  
Concen: 18.858 ug/l  
RT: 4.453 min Scan# 408  
Delta R.T. 0.012 min  
Lab File: VN075741.D  
Acq: 13 Dec 2022 05:17

Tgt Ion: 43 Resp: 16916  
Ion Ratio Lower Upper  
43 100  
58 37.6 27.0 40.4

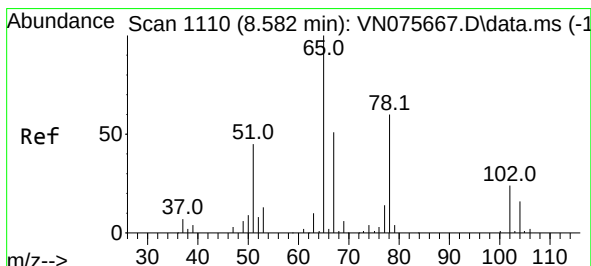
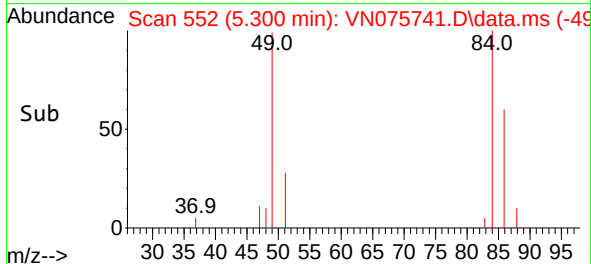
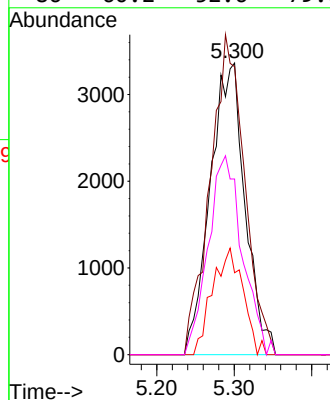
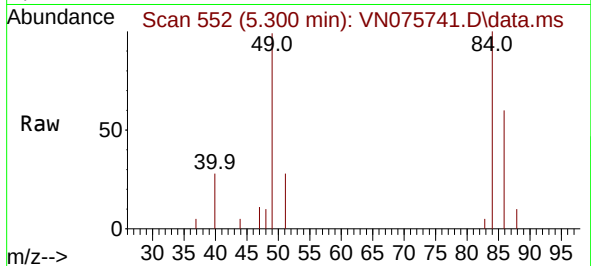




#20  
Methylene Chloride  
Concen: 3.937 ug/l  
RT: 5.300 min Scan# 511  
Delta R.T. 0.018 min  
Lab File: VN075741.D  
Acq: 13 Dec 2022 05:17

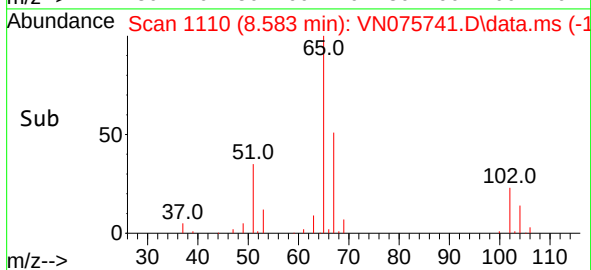
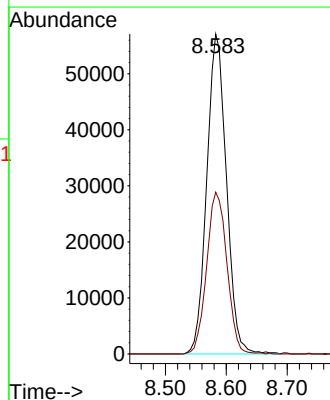
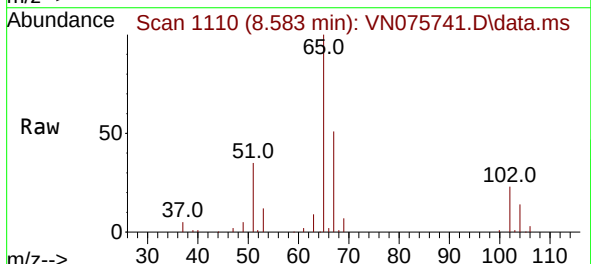
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB149517ZHE#04

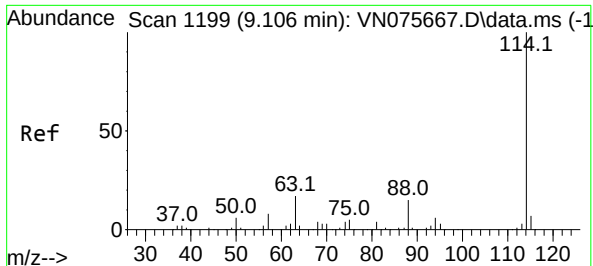
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 10529 |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 98.7     | 83.0 124.4  |
| 51 28.1     | 26.0 39.0   |
| 86 60.2     | 52.6 79.0   |



#33  
1,2-Dichloroethane-d4  
Concen: 48.355 ug/l  
RT: 8.583 min Scan# 1110  
Delta R.T. 0.000 min  
Lab File: VN075741.D  
Acq: 13 Dec 2022 05:17

|             |              |
|-------------|--------------|
| Tgt Ion: 65 | Resp: 128081 |
| Ion Ratio   | Lower Upper  |
| 65 100      |              |
| 67 52.3     | 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: VN075741.D

Acq: 13 Dec 2022 05:17

Instrument :

MSVOA\_N

ClientSampleId :

PB149517ZHE#04

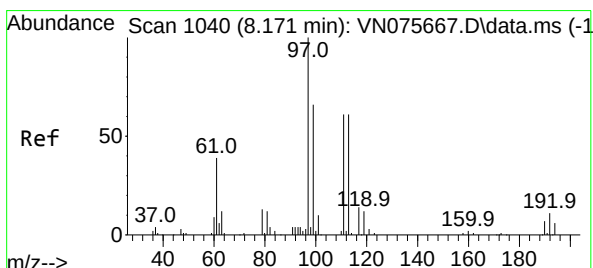
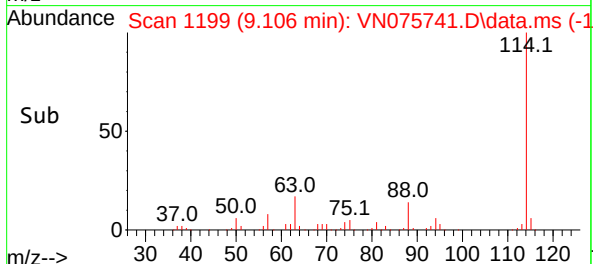
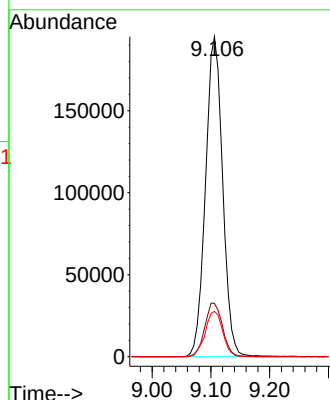
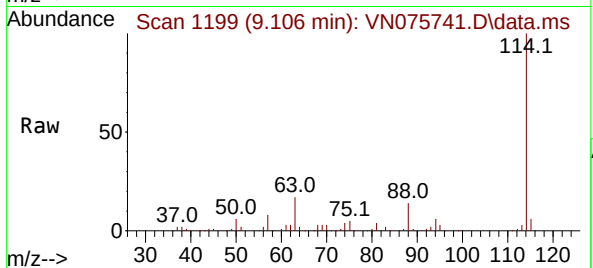
Tgt Ion:114 Resp: 394860

Ion Ratio Lower Upper

114 100

63 16.6 0.0 34.4

88 14.2 0.0 29.2



#35

Dibromofluoromethane

Concen: 49.623 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN075741.D

Acq: 13 Dec 2022 05:17

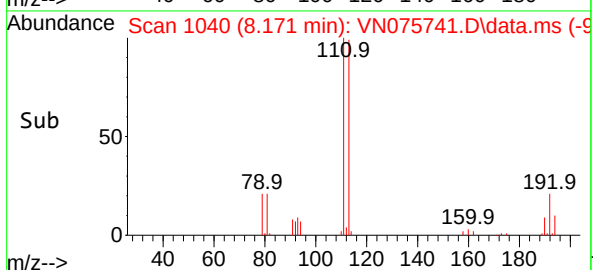
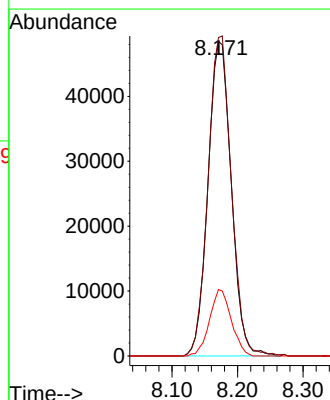
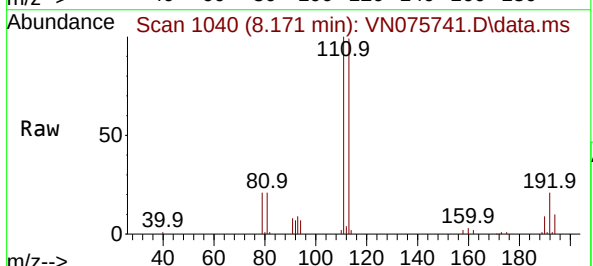
Tgt Ion:113 Resp: 119547

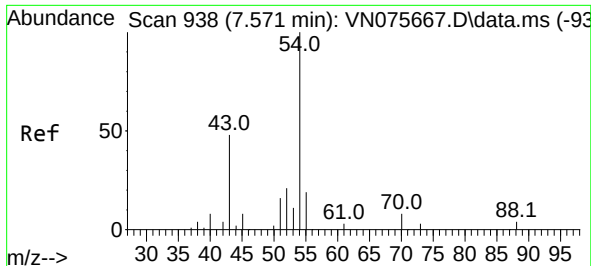
Ion Ratio Lower Upper

113 100

111 101.6 81.0 121.6

192 19.7 16.2 24.2

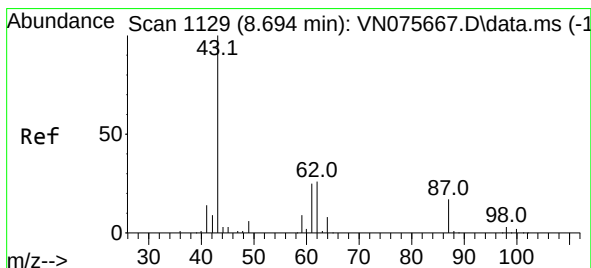
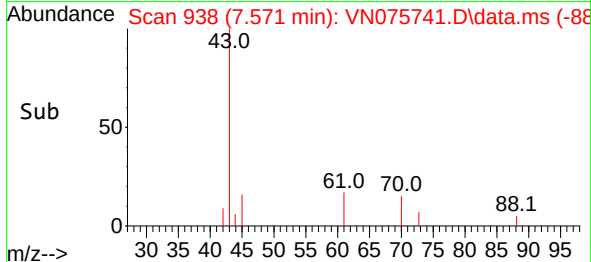
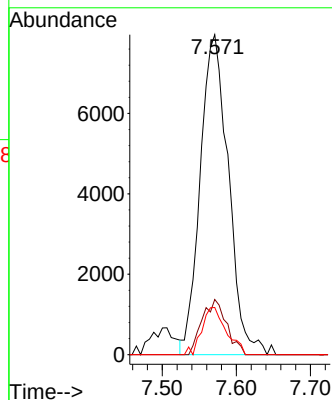
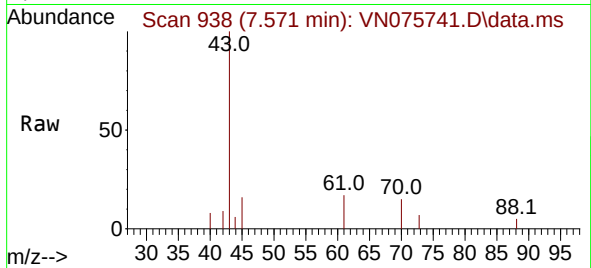




#37  
Ethyl Acetate  
Concen: 8.215 ug/l  
RT: 7.571 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN075741.D  
Acq: 13 Dec 2022 05:17

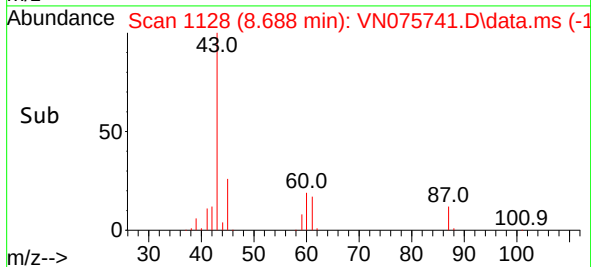
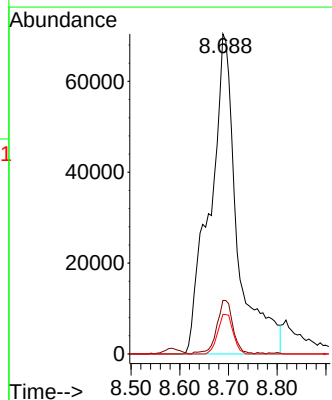
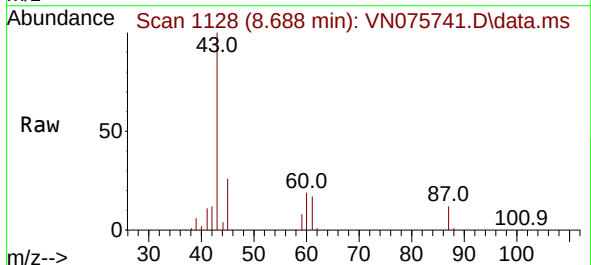
Instrument :  
MSVOA\_N  
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PB149517ZHE#04

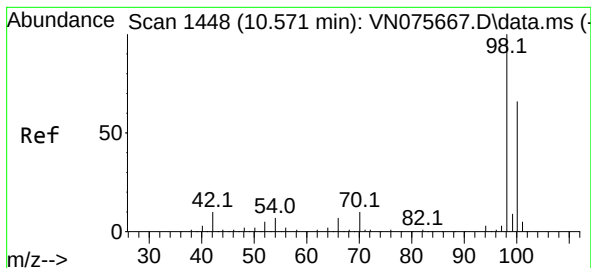
Tgt Ion: 43 Resp: 21100  
Ion Ratio Lower Upper  
43 100  
61 15.0 13.3 19.9  
70 12.7 9.9 14.9



#43  
Isopropyl Acetate  
Concen: 64.052 ug/l  
RT: 8.688 min Scan# 1128  
Delta R.T. -0.006 min  
Lab File: VN075741.D  
Acq: 13 Dec 2022 05:17

Tgt Ion: 43 Resp: 274640  
Ion Ratio Lower Upper  
43 100  
61 9.9 23.8 35.8#  
87 6.9 13.7 20.5#





#50

Toluene-d8

Concen: 51.147 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN075741.D

Acq: 13 Dec 2022 05:17

Instrument :

MSVOA\_N

ClientSampleId :

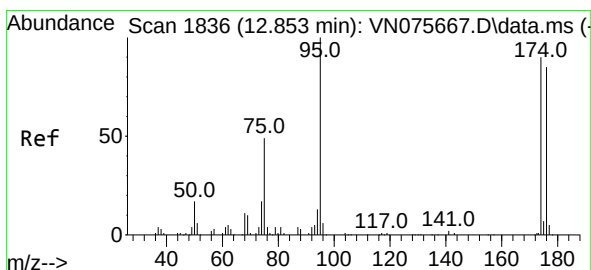
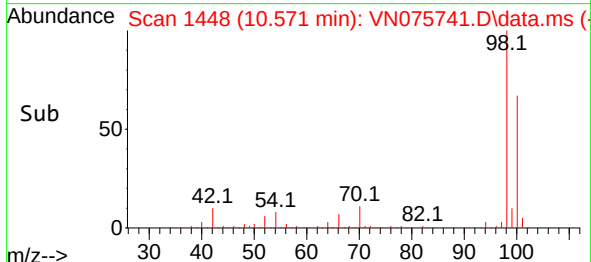
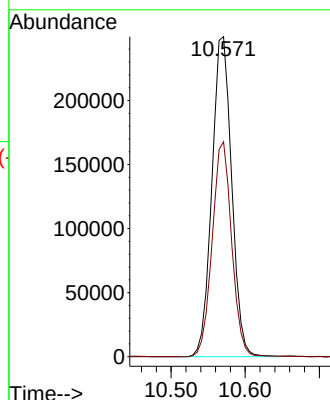
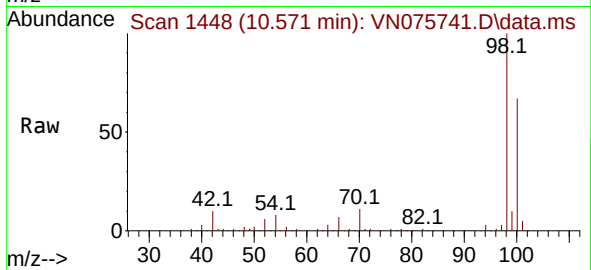
PB149517ZHE#04

Tgt Ion: 98 Resp: 462743

Ion Ratio Lower Upper

98 100

100 66.2 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 49.093 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.006 min

Lab File: VN075741.D

Acq: 13 Dec 2022 05:17

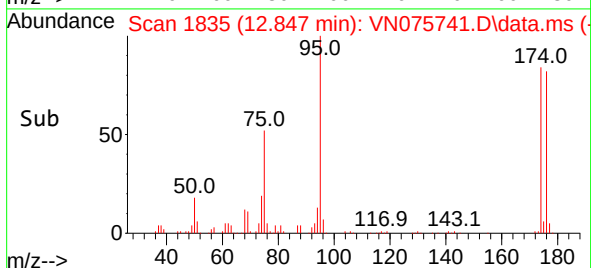
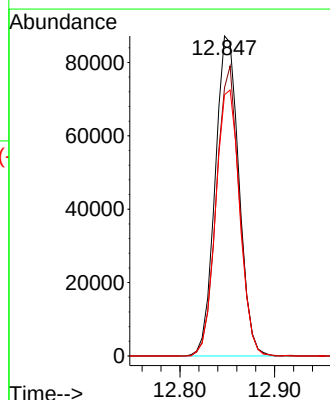
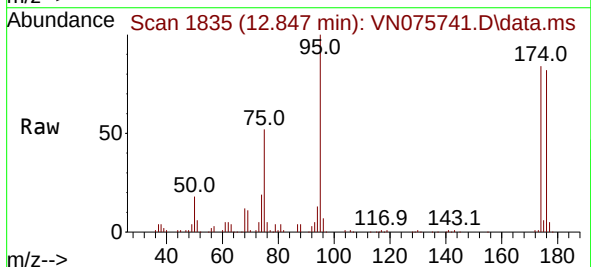
Tgt Ion: 95 Resp: 151860

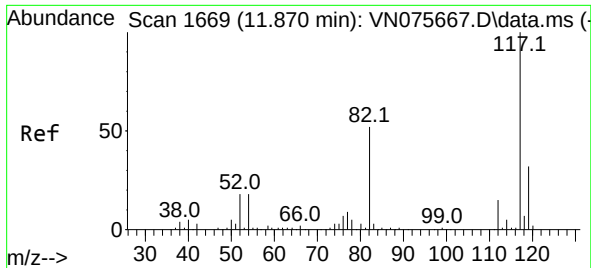
Ion Ratio Lower Upper

95 100

174 87.1 0.0 178.6

176 84.3 0.0 170.8

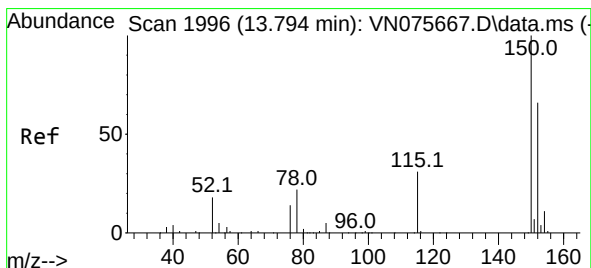
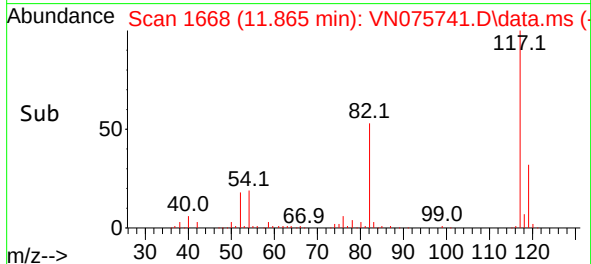
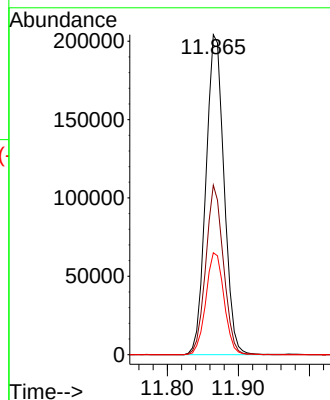
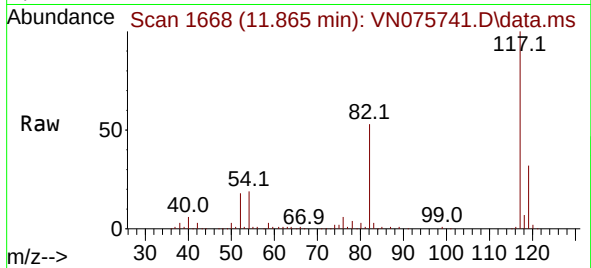




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.006 min  
Lab File: VN075741.D  
Acq: 13 Dec 2022 05:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB149517ZHE#04

Tgt Ion:117 Resp: 362240  
Ion Ratio Lower Upper  
117 100  
82 53.0 41.8 62.8  
119 31.9 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: VN075741.D  
Acq: 13 Dec 2022 05:17

Tgt Ion:152 Resp: 155767  
Ion Ratio Lower Upper  
152 100  
115 58.5 28.4 85.2  
150 159.0 0.0 347.6

