

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN103122\  
 Data File : VN075087.D  
 Acq On : 31 Oct 2022 15:23  
 Operator : JC\MD  
 Sample : PB148673TB  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB148673TB

Quant Time: Nov 01 06:18:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 27 09:48:49 2022  
 Response via : Initial Calibration

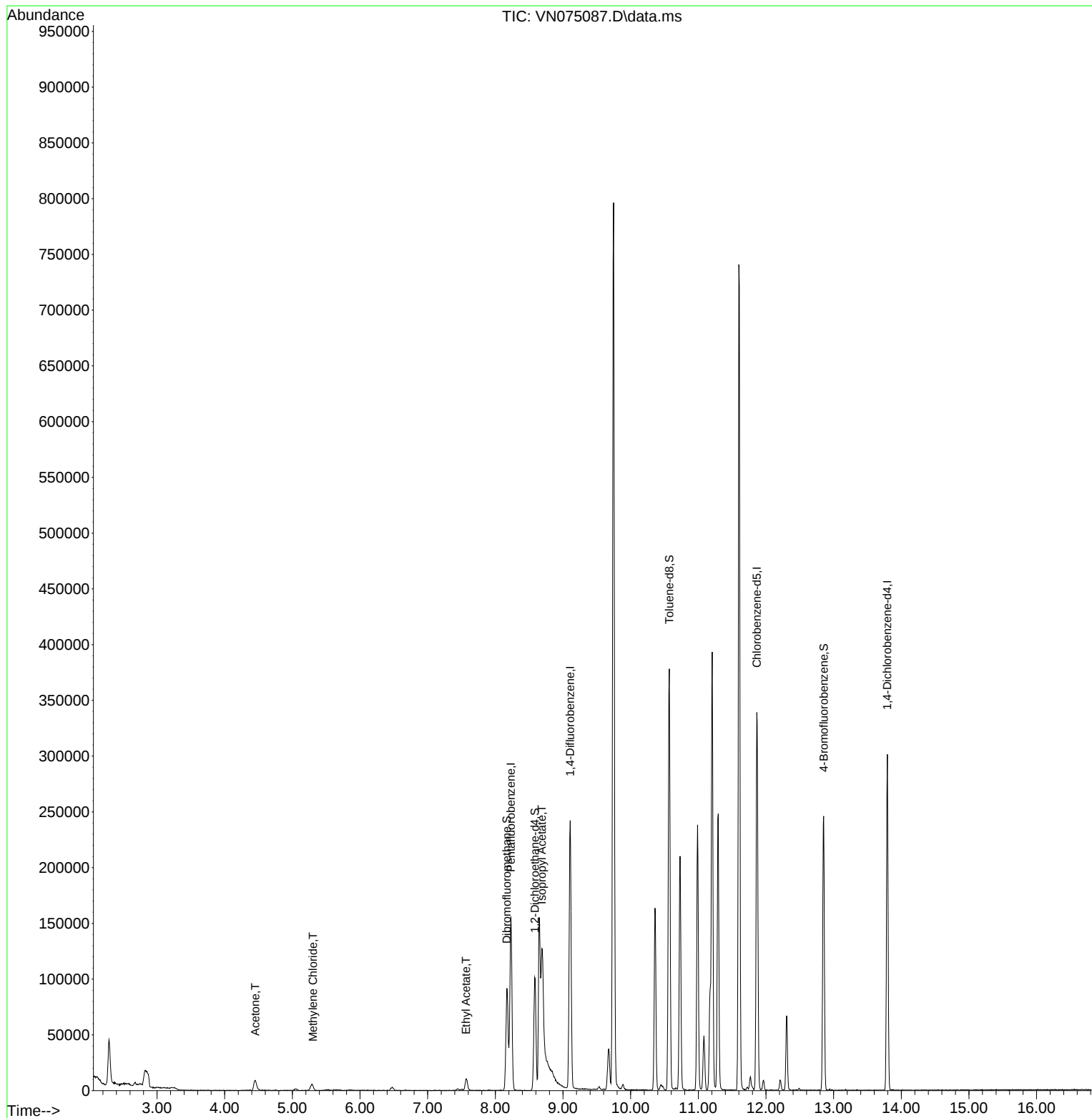
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230     | 168   | 105171   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106     | 114   | 209516   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865    | 117   | 197397   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794    | 152   | 76058    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583     | 65    | 83686    | 59.056   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | =      | 118.120% |
| 35) Dibromofluoromethane    | 8.171     | 113   | 64800    | 52.684   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =      | 105.360% |
| 50) Toluene-d8              | 10.571    | 98    | 262547   | 55.019   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | =      | 110.040% |
| 62) 4-Bromofluorobenzene    | 12.853    | 95    | 85380    | 50.934   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | =      | 101.860% |
| Target Compounds            |           |       |          |          |        |          |
|                             |           |       |          |          |        | Qvalue   |
| 16) Acetone                 | 4.453     | 43    | 17978    | 29.963   | ug/l   | 99       |
| 20) Methylene Chloride      | 5.306     | 84    | 4511     | 3.372    | ug/l # | 66       |
| 37) Ethyl Acetate           | 7.565     | 43    | 16115    | 7.717    | ug/l   | 97       |
| 43) Isopropyl Acetate       | 8.688     | 43    | 137766   | 42.530   | ug/l # | 77       |
| -----                       |           |       |          |          |        |          |

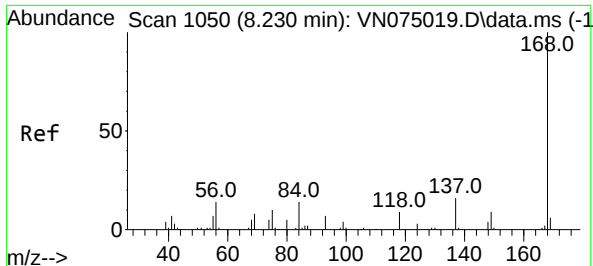
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102622W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 27 09:48:49 2022  
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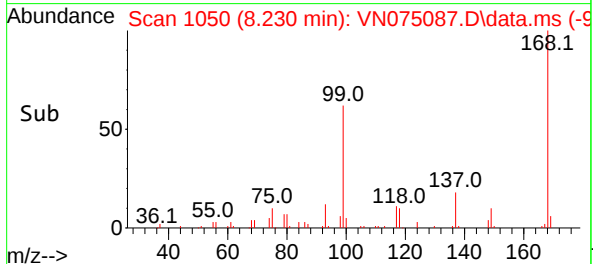
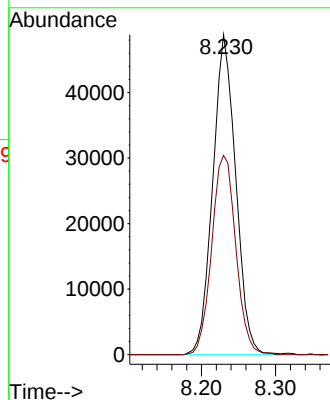
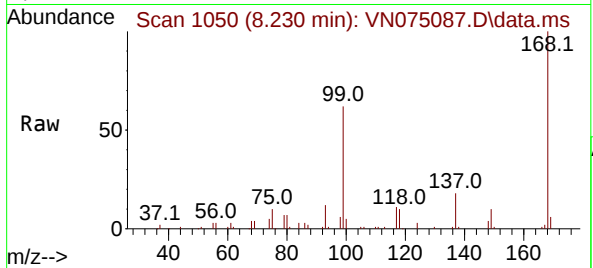




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN075087.D  
Acq: 31 Oct 2022 15:23

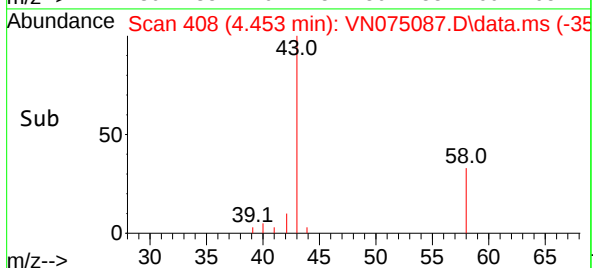
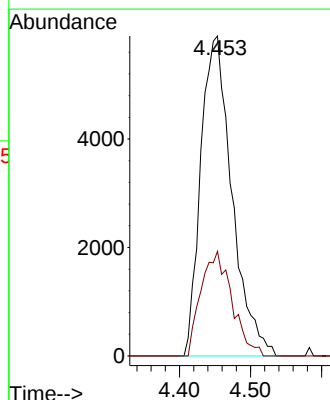
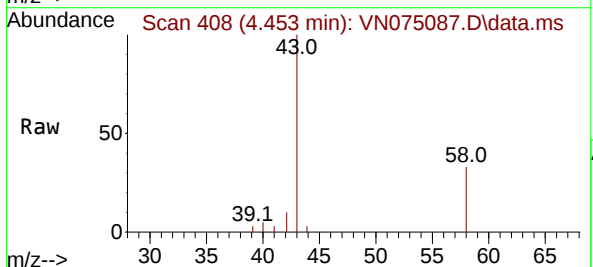
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB148673TB

Tgt Ion:168 Resp: 105171  
Ion Ratio Lower Upper  
168 100  
99 62.3 51.6 77.4



#16  
Acetone  
Concen: 29.963 ug/l  
RT: 4.453 min Scan# 408  
Delta R.T. 0.011 min  
Lab File: VN075087.D  
Acq: 31 Oct 2022 15:23

Tgt Ion: 43 Resp: 17978  
Ion Ratio Lower Upper  
43 100  
58 32.7 25.5 38.3

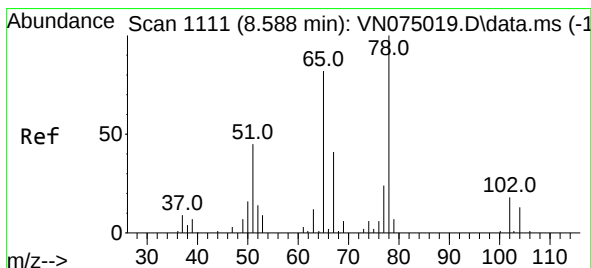
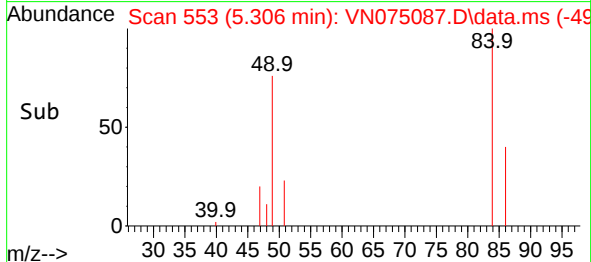
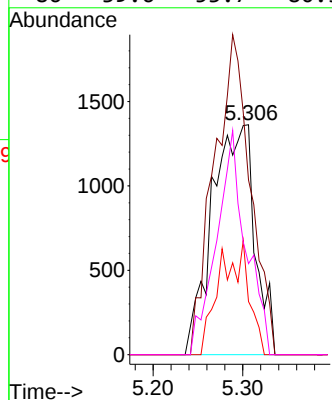
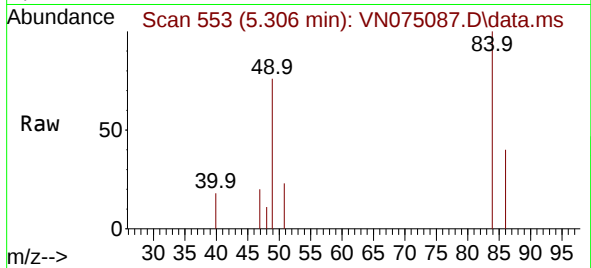




#20  
Methylene Chloride  
Concen: 3.372 ug/l  
RT: 5.306 min Scan# 511  
Delta R.T. 0.023 min  
Lab File: VN075087.D  
Acq: 31 Oct 2022 15:23

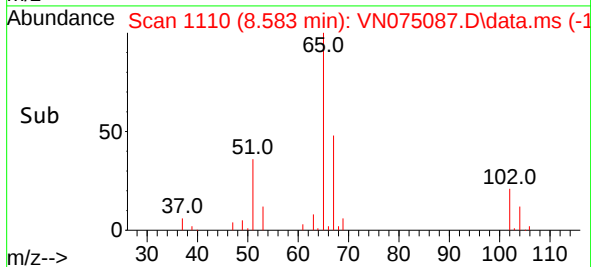
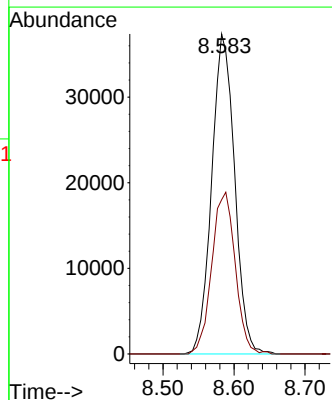
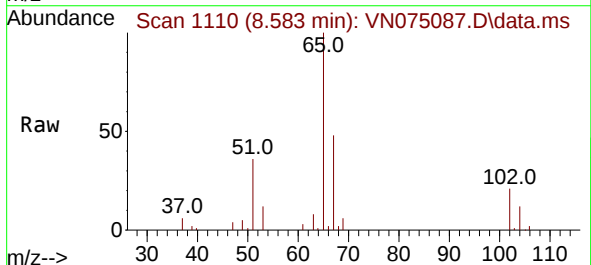
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB148673TB

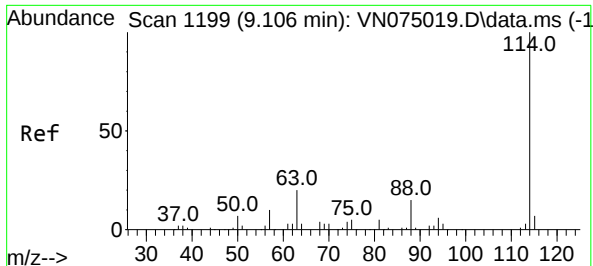
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 4511  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 76.0     | 94.9 142.3# |
| 51 23.1     | 26.8 40.2#  |
| 86 39.6     | 53.7 80.5#  |



#33  
1,2-Dichloroethane-d4  
Concen: 59.056 ug/l  
RT: 8.583 min Scan# 1110  
Delta R.T. -0.005 min  
Lab File: VN075087.D  
Acq: 31 Oct 2022 15:23

|             |             |
|-------------|-------------|
| Tgt Ion: 65 | Resp: 83686 |
| Ion Ratio   | Lower Upper |
| 65 100      |             |
| 67 51.8     | 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: VN075087.D

Acq: 31 Oct 2022 15:23

Instrument :

MSVOA\_N

ClientSampleId :

PB148673TB

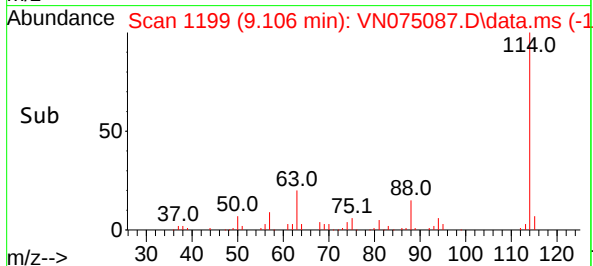
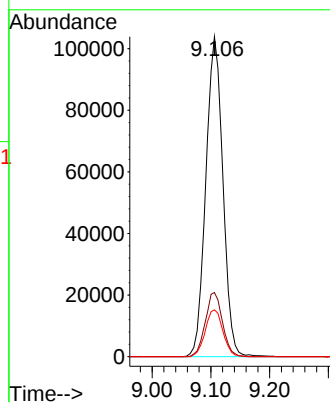
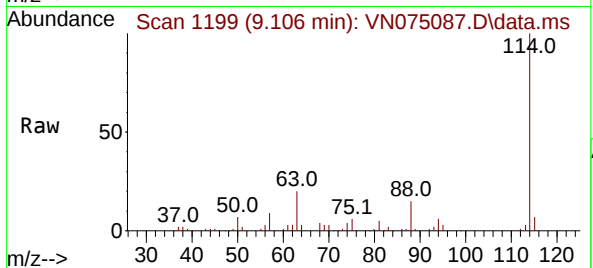
Tgt Ion:114 Resp: 209516

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 14.7 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.684 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075087.D

Acq: 31 Oct 2022 15:23

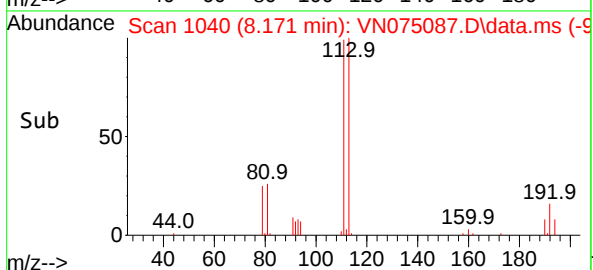
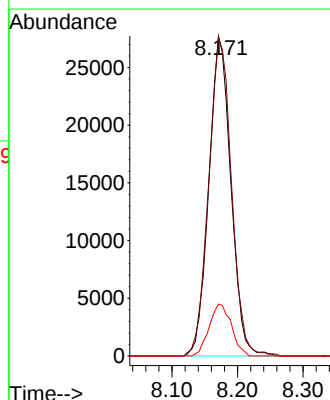
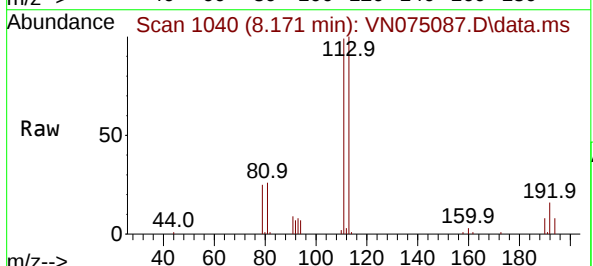
Tgt Ion:113 Resp: 64800

Ion Ratio Lower Upper

113 100

111 102.4 80.5 120.7

192 16.3 13.2 19.8

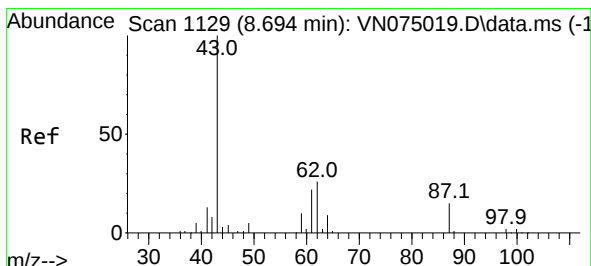
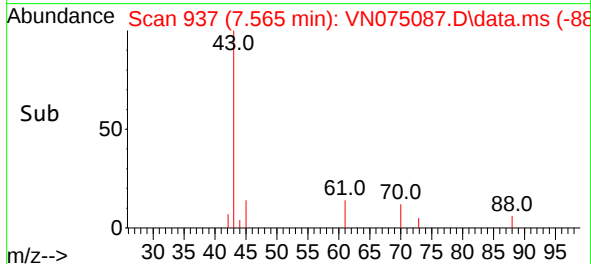
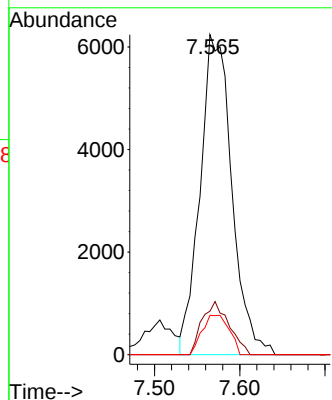
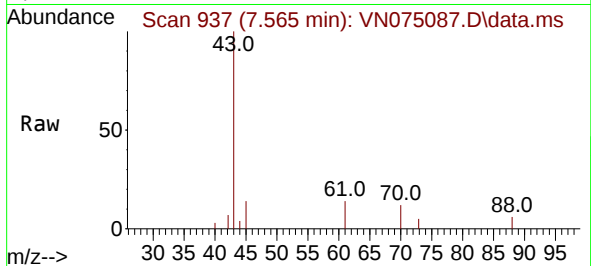




#37  
Ethyl Acetate  
Concen: 7.717 ug/l  
RT: 7.565 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN075087.D  
Acq: 31 Oct 2022 15:23

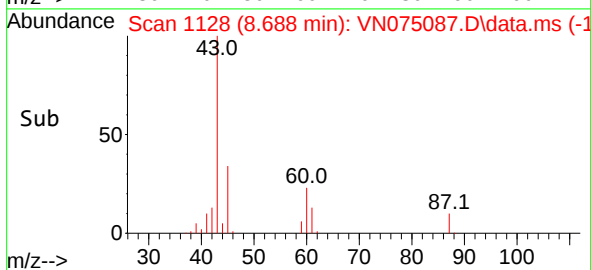
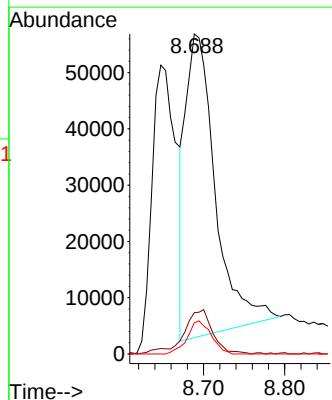
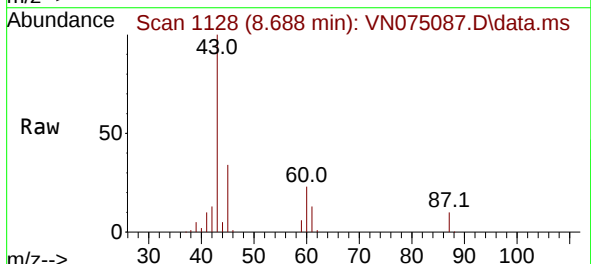
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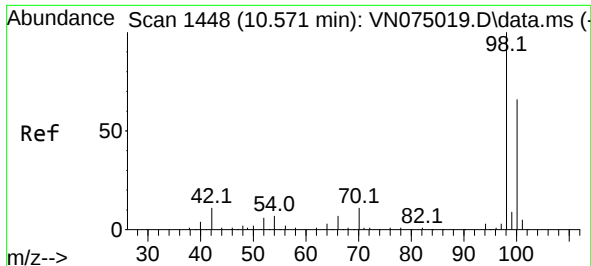
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 16115 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 14.1  | 12.2  | 18.4  |
| 70       | 10.5  | 9.4   | 14.2  |



#43  
Isopropyl Acetate  
Concen: 42.530 ug/l  
RT: 8.688 min Scan# 1128  
Delta R.T. -0.006 min  
Lab File: VN075087.D  
Acq: 31 Oct 2022 15:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 137766 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 14.2  | 22.4  | 33.6#  |
| 87       | 8.8   | 12.5  | 18.7#  |

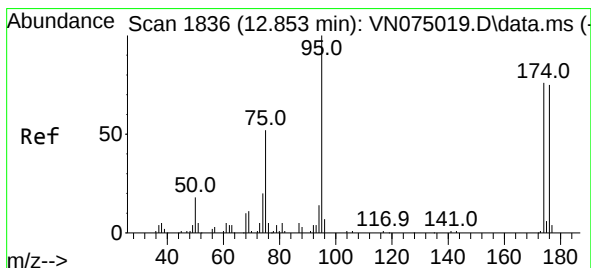
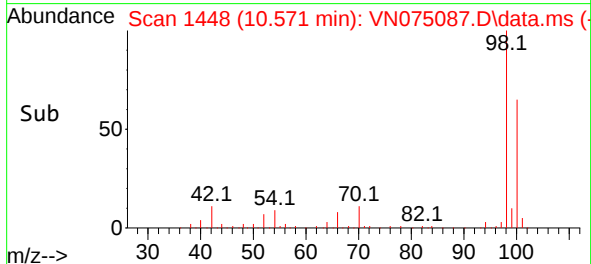
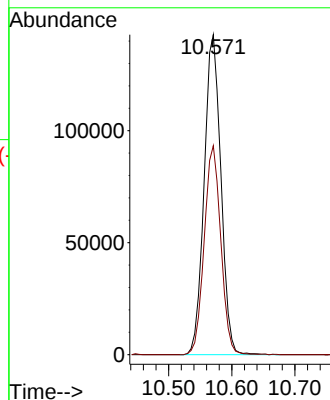
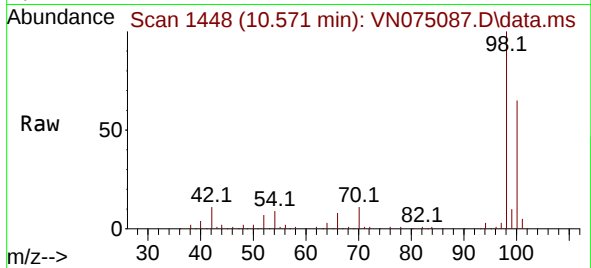




#50  
Toluene-d8  
Concen: 55.019 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN075087.D  
Acq: 31 Oct 2022 15:23

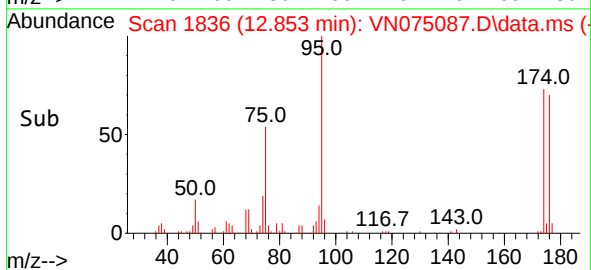
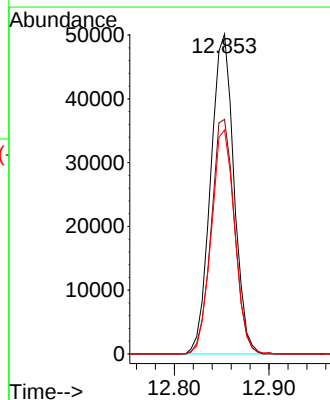
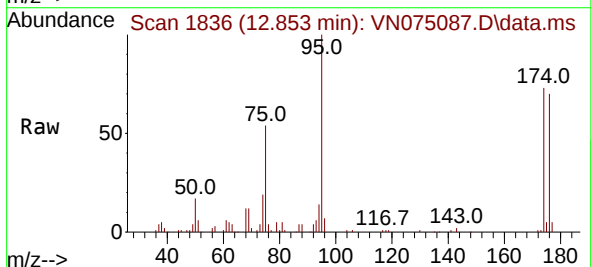
Instrument :  
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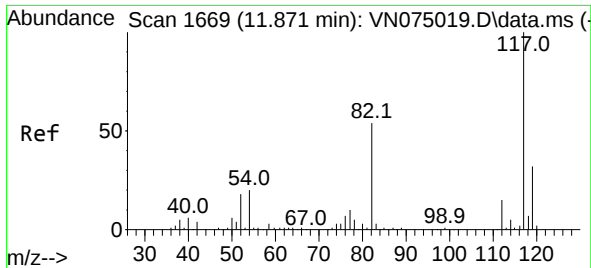
Tgt Ion: 98 Resp: 262547  
Ion Ratio Lower Upper  
98 100  
100 64.7 53.0 79.6



#62  
4-Bromofluorobenzene  
Concen: 50.934 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.000 min  
Lab File: VN075087.D  
Acq: 31 Oct 2022 15:23

Tgt Ion: 95 Resp: 85380  
Ion Ratio Lower Upper  
95 100  
174 73.3 0.0 147.4  
176 70.5 0.0 142.2

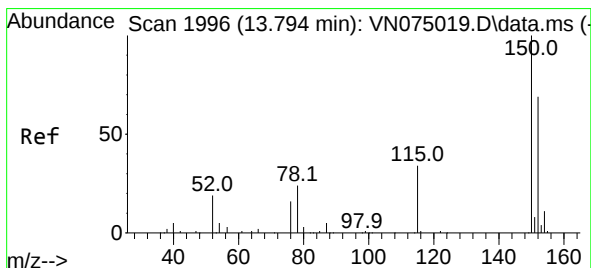
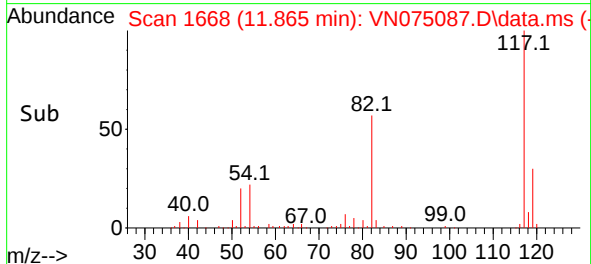
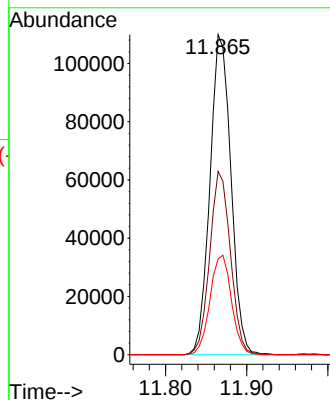
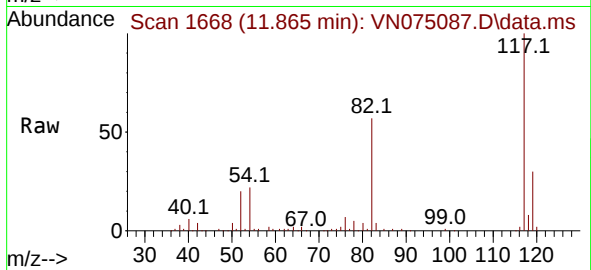




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN075087.D  
Acq: 31 Oct 2022 15:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB148673TB

Tgt Ion:117 Resp: 197397  
Ion Ratio Lower Upper  
117 100  
82 57.2 43.1 64.7  
119 29.9 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: VN075087.D  
Acq: 31 Oct 2022 15:23

Tgt Ion:152 Resp: 76058  
Ion Ratio Lower Upper  
152 100  
115 62.4 30.2 90.6  
150 158.6 0.0 348.4

