

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN103122\  
 Data File : VN075083.D  
 Acq On : 31 Oct 2022 13:46  
 Operator : JC\MD  
 Sample : N5316-09  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMPOSITE-PILE-2

Quant Time: Nov 01 06:15:53 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

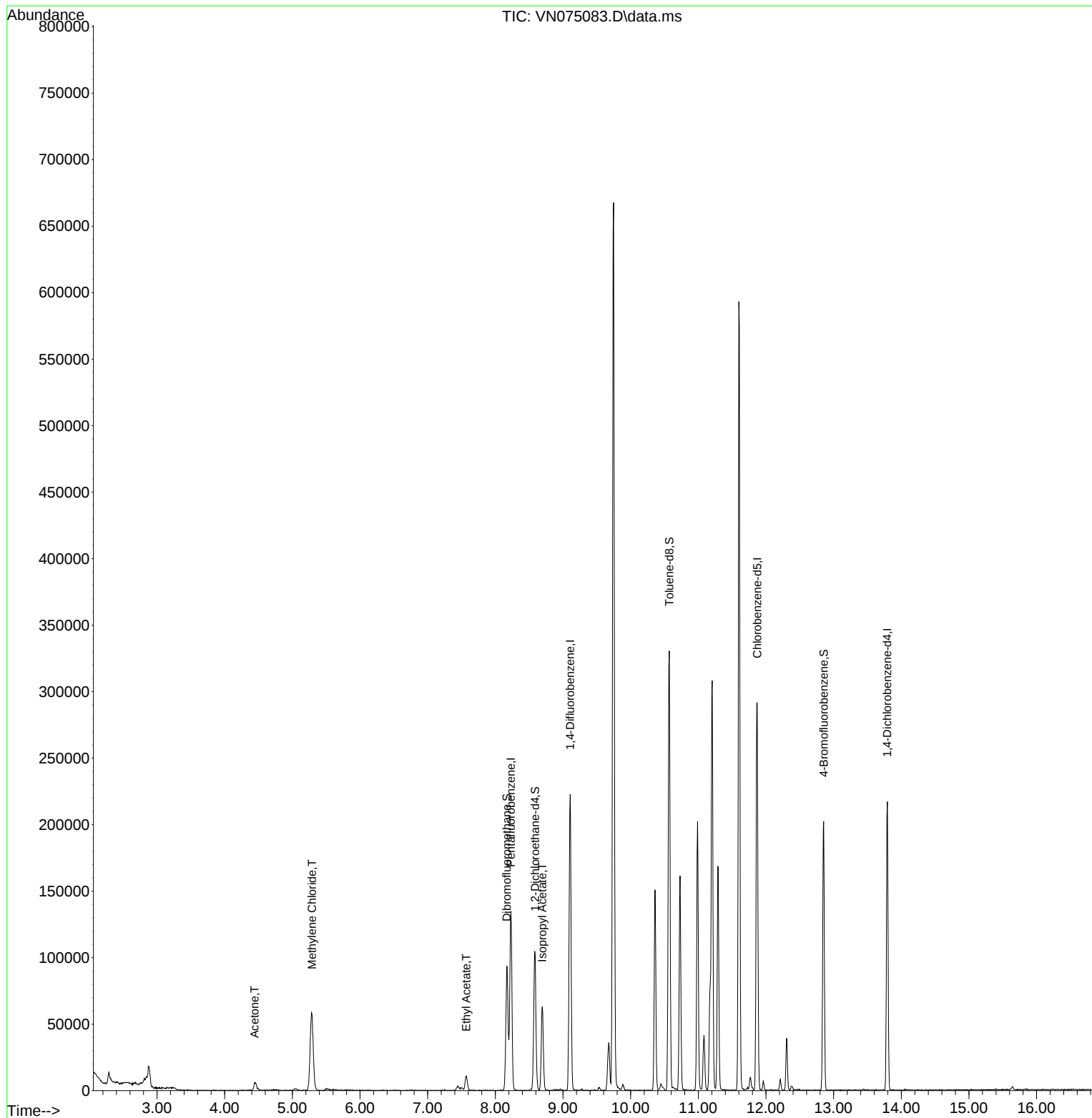
| Compound                    | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------------|----------|
| -----                       |        |       |          |          |             |          |
| Internal Standards          |        |       |          |          |             |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 95192    | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 193700   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 173442   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 56218    | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 86966    | 67.805   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 135.600%# |          |
| 35) Dibromofluoromethane    | 8.171  | 113   | 65835    | 57.896   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 115.800%  |          |
| 50) Toluene-d8              | 10.571 | 98    | 236456   | 53.597   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 107.200%  |          |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 69456    | 44.818   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 89.640%   |          |
| Target Compounds            |        |       |          |          |             |          |
|                             |        |       |          |          | Qvalue      |          |
| 16) Acetone                 | 4.442  | 43    | 11347    | 20.894   | ug/l        | 97       |
| 20) Methylene Chloride      | 5.289  | 84    | 49354    | 40.758   | ug/l        | 94       |
| 37) Ethyl Acetate           | 7.571  | 43    | 16481    | 8.536    | ug/l        | 99       |
| 43) Isopropyl Acetate       | 8.694  | 43    | 70332    | 23.485   | ug/l #      | 91       |
| -----                       |        |       |          |          |             |          |

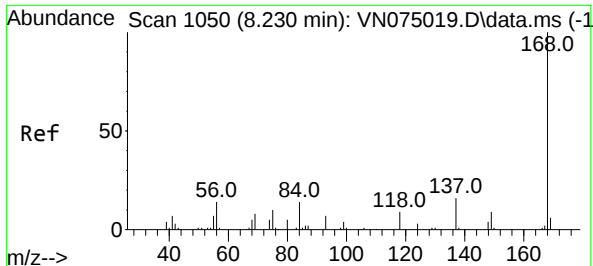
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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  
Response via : Initial Calibration

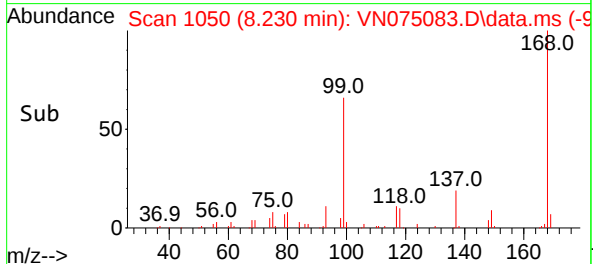
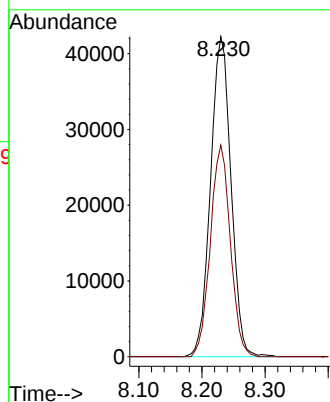
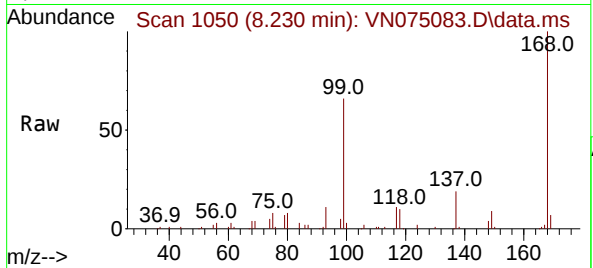




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN075083.D  
Acq: 31 Oct 2022 13:46

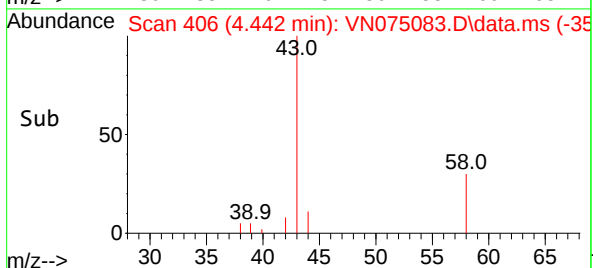
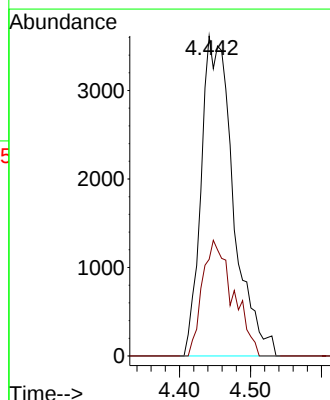
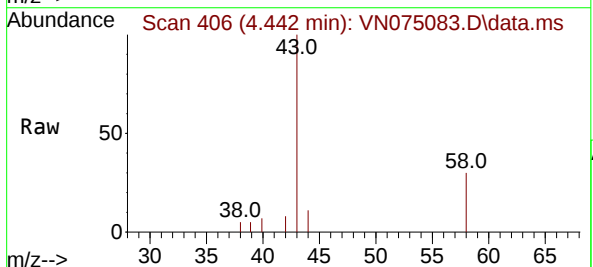
Instrument :  
MSVOA\_N  
ClientSampleId :  
COMPOSITE-PILE-2

Tgt Ion:168 Resp: 95192  
Ion Ratio Lower Upper  
168 100  
99 66.1 51.6 77.4



#16  
Acetone  
Concen: 20.894 ug/l  
RT: 4.442 min Scan# 406  
Delta R.T. -0.000 min  
Lab File: VN075083.D  
Acq: 31 Oct 2022 13:46

Tgt Ion: 43 Resp: 11347  
Ion Ratio Lower Upper  
43 100  
58 30.2 25.5 38.3

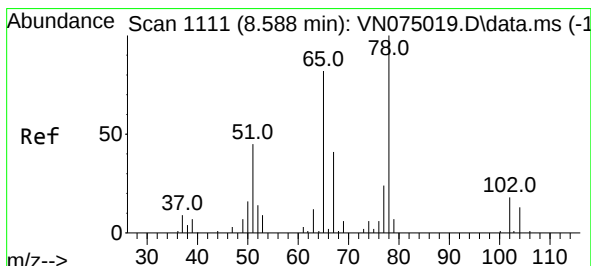
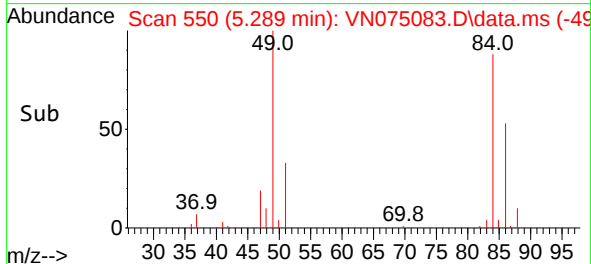
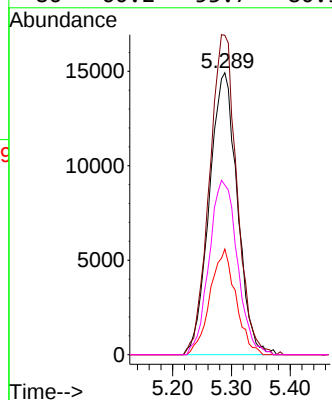
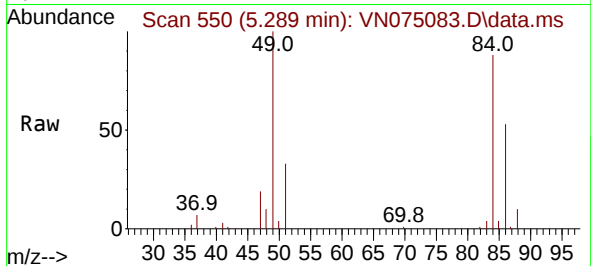




#20  
Methylene Chloride  
Concen: 40.758 ug/l  
RT: 5.289 min Scan# 511  
Delta R.T. 0.006 min  
Lab File: VN075083.D  
Acq: 31 Oct 2022 13:46

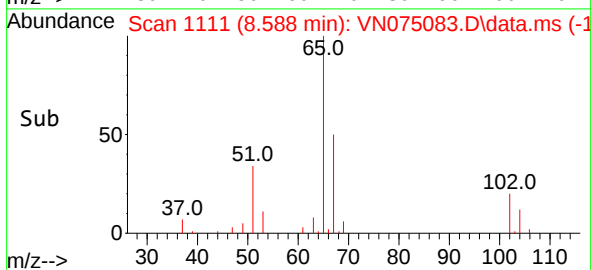
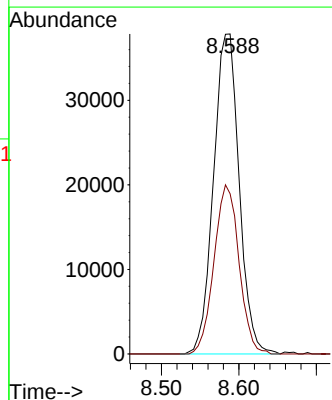
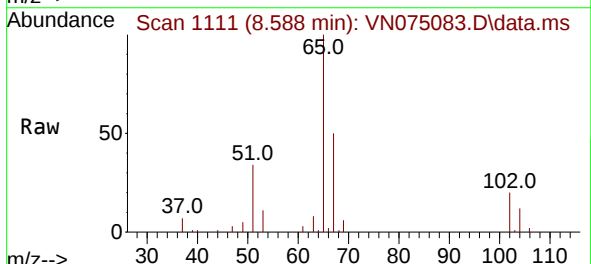
Instrument :  
MSVOA\_N  
ClientSampleId :  
COMPOSITE-PILE-2

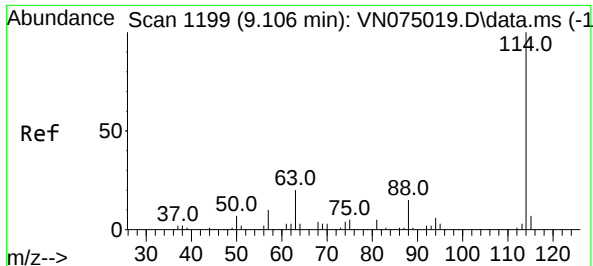
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 49354 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 113.3 | 94.9  | 142.3 |
| 51       | 37.4  | 26.8  | 40.2  |
| 86       | 60.2  | 53.7  | 80.5  |



#33  
1,2-Dichloroethane-d4  
Concen: 67.805 ug/l  
RT: 8.588 min Scan# 1111  
Delta R.T. 0.001 min  
Lab File: VN075083.D  
Acq: 31 Oct 2022 13:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 86966 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 51.6  | 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: VN075083.D

Acq: 31 Oct 2022 13:46

Instrument :

MSVOA\_N

ClientSampleId :

COMPOSITE-PILE-2

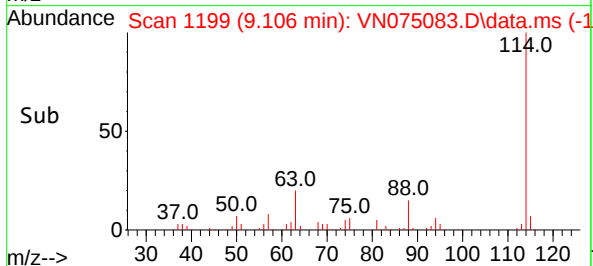
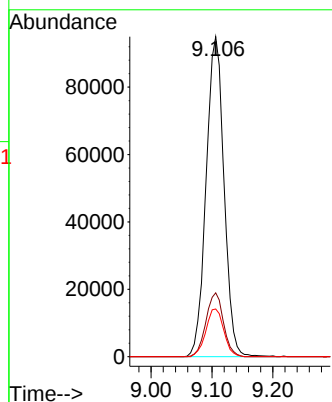
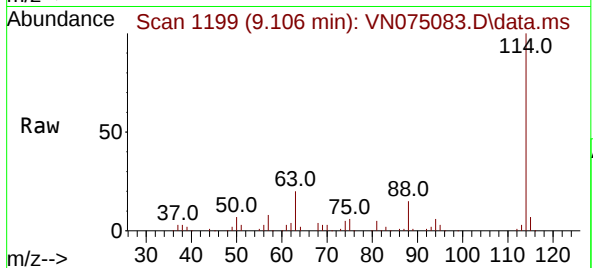
Tgt Ion:114 Resp: 193700

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

88 14.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 57.896 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075083.D

Acq: 31 Oct 2022 13:46

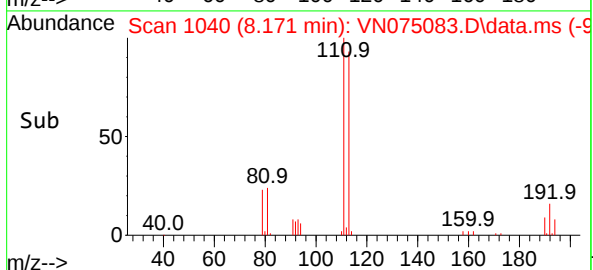
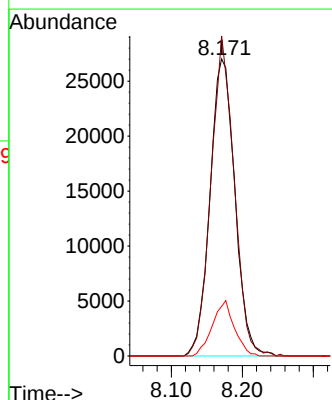
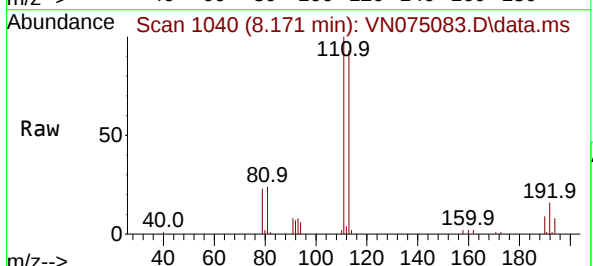
Tgt Ion:113 Resp: 65835

Ion Ratio Lower Upper

113 100

111 100.1 80.5 120.7

192 16.5 13.2 19.8

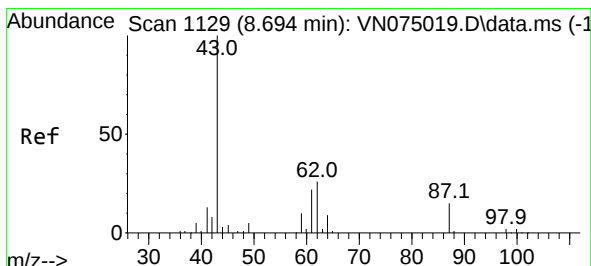
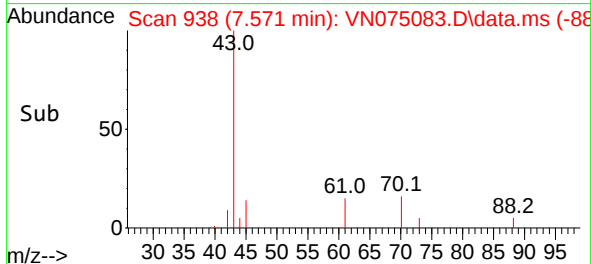
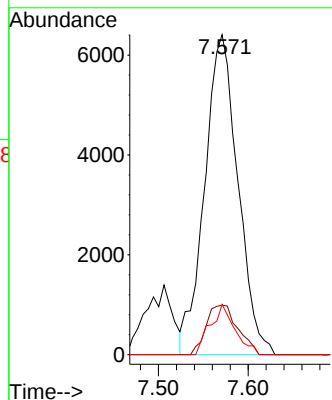
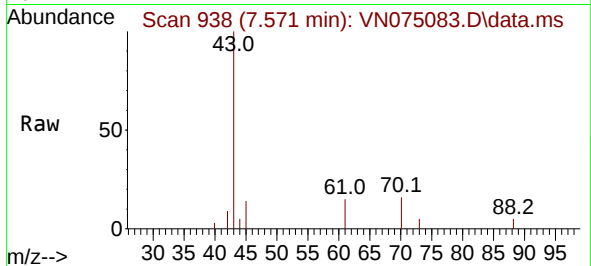




#37  
Ethyl Acetate  
Concen: 8.536 ug/l  
RT: 7.571 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN075083.D  
Acq: 31 Oct 2022 13:46

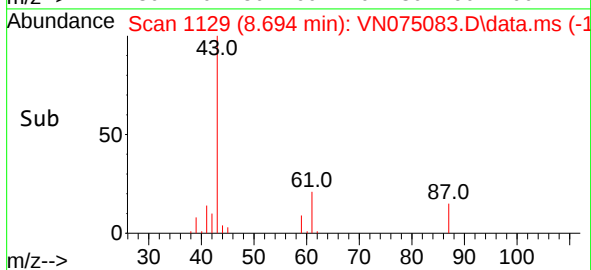
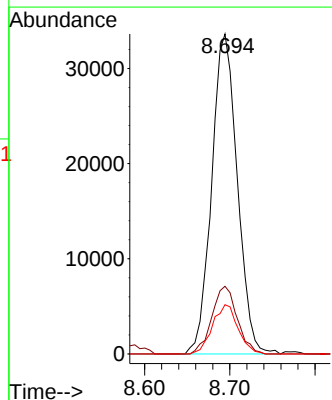
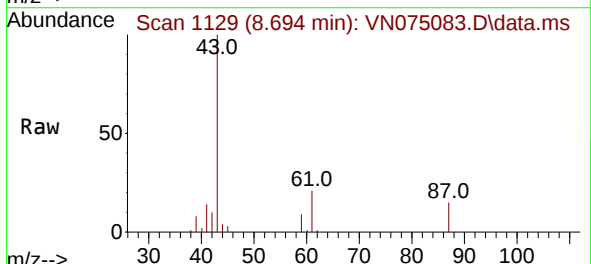
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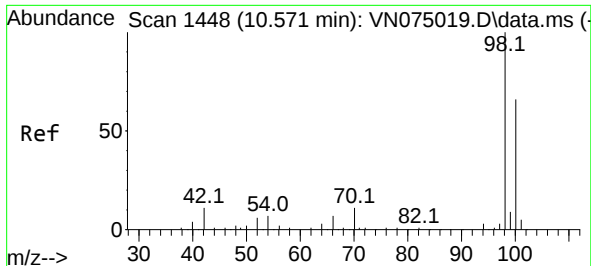
Tgt Ion: 43 Resp: 16481  
Ion Ratio Lower Upper  
43 100  
61 14.7 12.2 18.4  
70 11.8 9.4 14.2



#43  
Isopropyl Acetate  
Concen: 23.485 ug/l  
RT: 8.694 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VN075083.D  
Acq: 31 Oct 2022 13:46

Tgt Ion: 43 Resp: 70332  
Ion Ratio Lower Upper  
43 100  
61 20.9 22.4 33.6#  
87 15.3 12.5 18.7

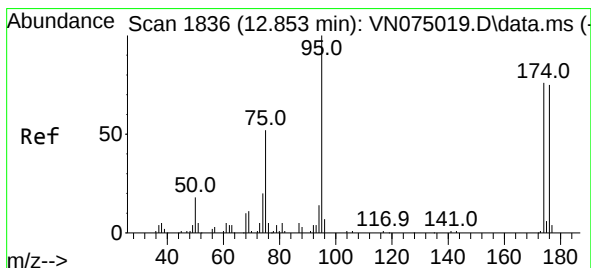
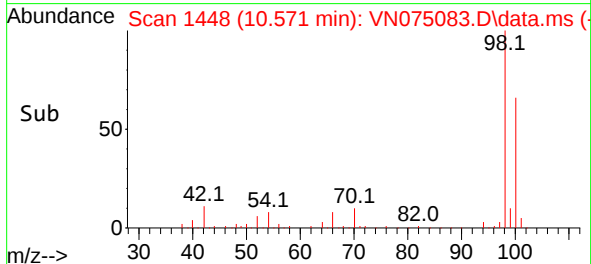
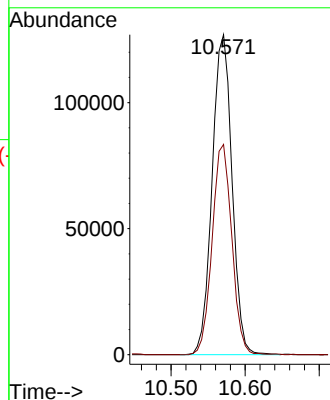
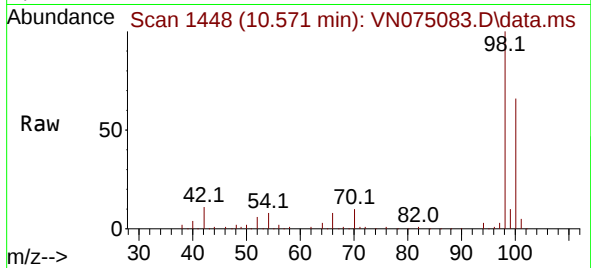




#50  
Toluene-d8  
Concen: 53.597 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN075083.D  
Acq: 31 Oct 2022 13:46

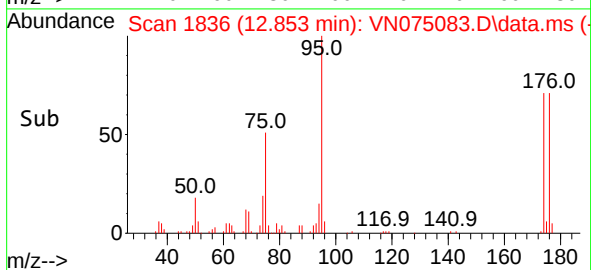
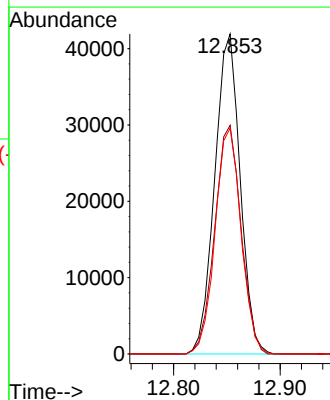
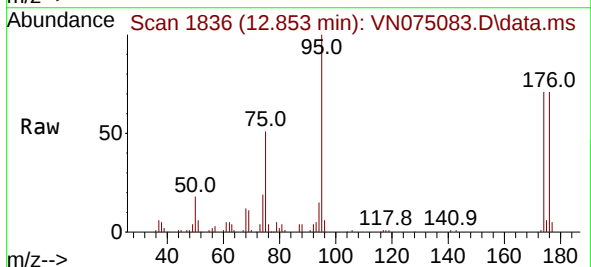
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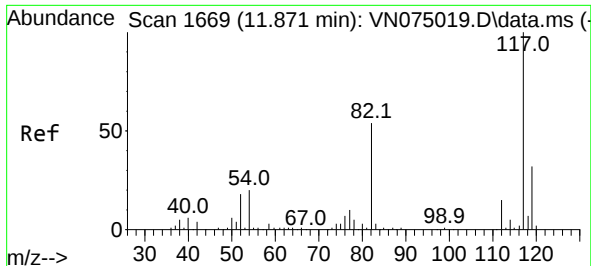
Tgt Ion: 98 Resp: 236456  
Ion Ratio Lower Upper  
98 100  
100 65.0 53.0 79.6



#62  
4-Bromofluorobenzene  
Concen: 44.818 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.000 min  
Lab File: VN075083.D  
Acq: 31 Oct 2022 13:46

Tgt Ion: 95 Resp: 69456  
Ion Ratio Lower Upper  
95 100  
174 74.0 0.0 147.4  
176 71.6 0.0 142.2

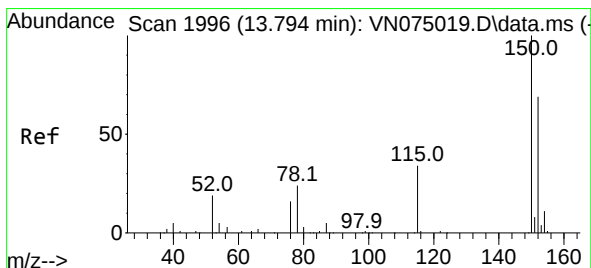
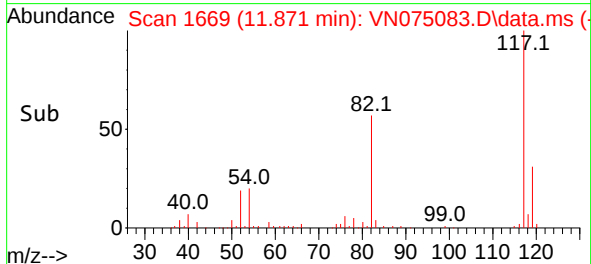
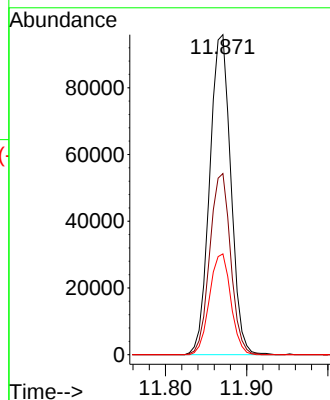
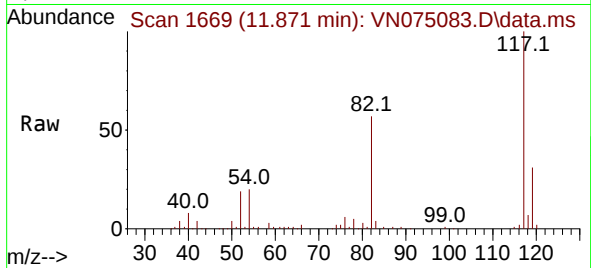




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1669  
Delta R.T. -0.000 min  
Lab File: VN075083.D  
Acq: 31 Oct 2022 13:46

Instrument :  
MSVOA\_N  
ClientSampleId :  
COMPOSITE-PILE-2

Tgt Ion:117 Resp: 173442  
Ion Ratio Lower Upper  
117 100  
82 56.6 43.1 64.7  
119 31.5 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: VN075083.D  
Acq: 31 Oct 2022 13:46

Tgt Ion:152 Resp: 56218  
Ion Ratio Lower Upper  
152 100  
115 62.9 30.2 90.6  
150 159.2 0.0 348.4

