

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120822\  
 Data File : VN075645.D  
 Acq On : 08 Dec 2022 14:08  
 Operator : JC\MD  
 Sample : N5944-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 GW-BR-04-95-105-120722

Quant Time: Dec 09 02:07:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 23 00:18:03 2022  
 Response via : Initial Calibration

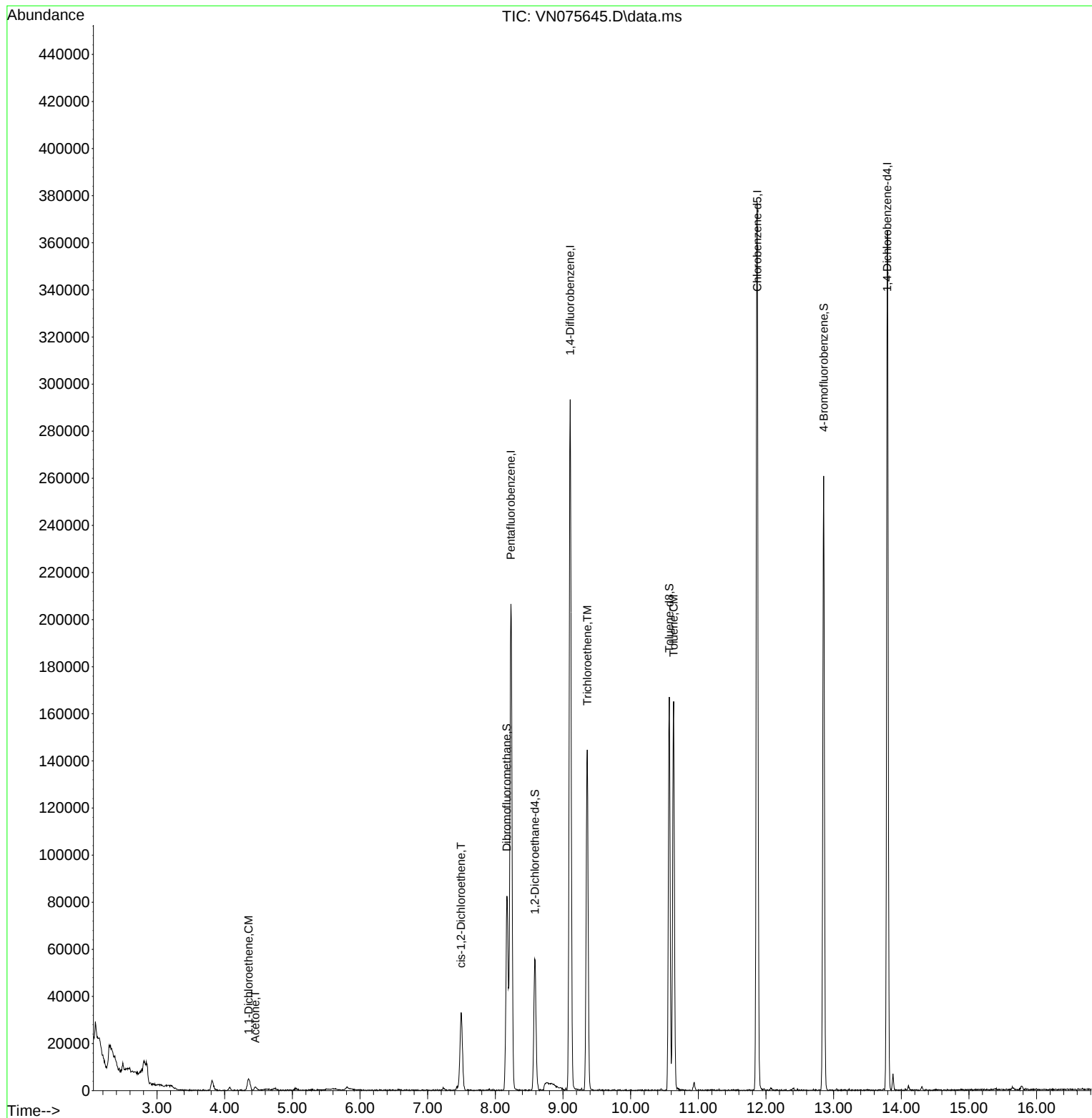
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 166553   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 275840   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 237917   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 103155   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 45264    | 50.629   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 101.260% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 60145    | 55.505   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 111.020% |
| 50) Toluene-d8              | 10.571 | 98    | 119772   | 49.076   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 98.160%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 86322    | 47.920   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 95.840%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene      | 4.353  | 96    | 3426     | 2.221    | ug/l # | 61       |
| 16) Acetone                 | 4.453  | 43    | 2682     | 3.216    | ug/l # | 74       |
| 27) cis-1,2-Dichloroethene  | 7.494  | 96    | 21281    | 10.707   | ug/l   | 83       |
| 44) Trichloroethene         | 9.359  | 130   | 54818    | 27.690   | ug/l   | 93       |
| 52) Toluene                 | 10.635 | 92    | 77736    | 16.673   | ug/l   | 98       |
| -----                       |        |       |          |          |        |          |

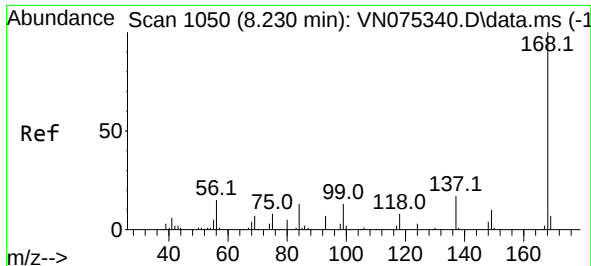
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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Response via : Initial Calibration

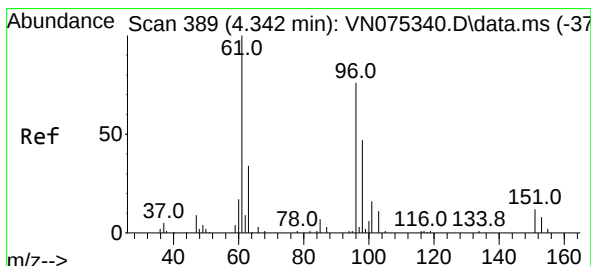
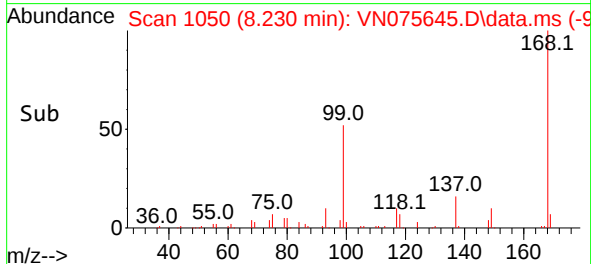
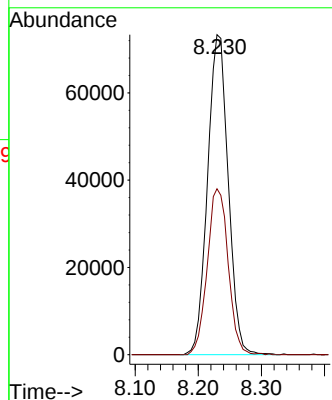
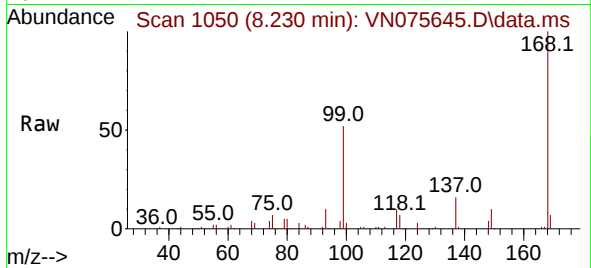




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN075645.D  
Acq: 08 Dec 2022 14:08

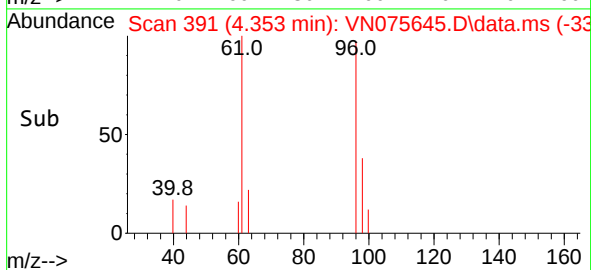
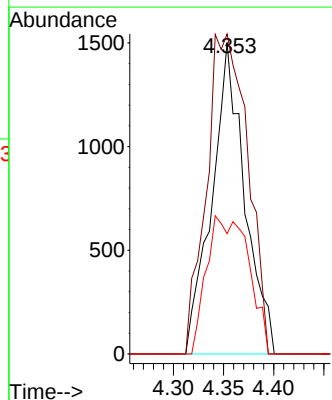
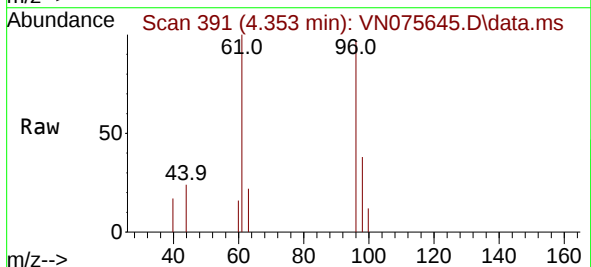
Instrument :  
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ClientSampleId :  
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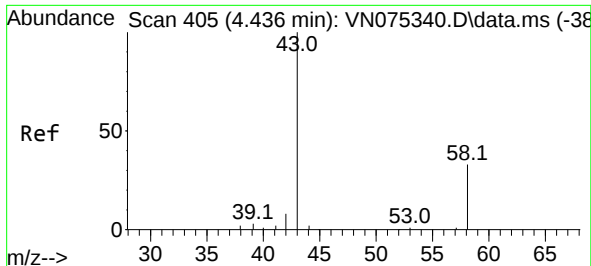
Tgt Ion:168 Resp: 166553  
Ion Ratio Lower Upper  
168 100  
99 51.9 51.6 77.4



#12  
1,1-Dichloroethene  
Concen: 2.221 ug/l  
RT: 4.353 min Scan# 391  
Delta R.T. 0.011 min  
Lab File: VN075645.D  
Acq: 08 Dec 2022 14:08

Tgt Ion: 96 Resp: 3426  
Ion Ratio Lower Upper  
96 100  
61 102.7 126.2 189.4#  
98 38.6 51.5 77.3#

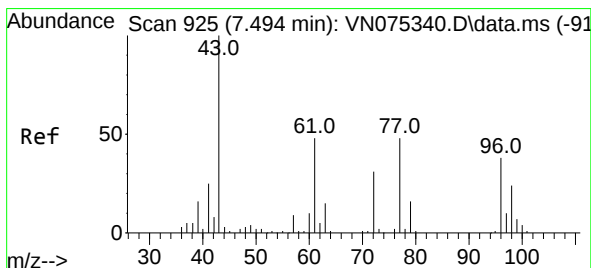
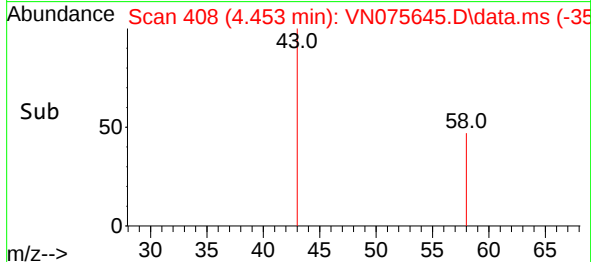
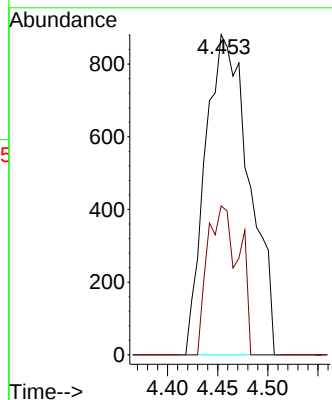
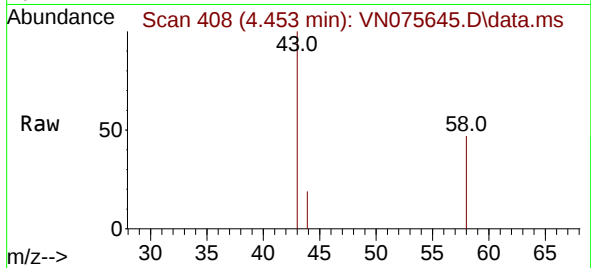




#16  
Acetone  
Concen: 3.216 ug/l  
RT: 4.453 min Scan# 408  
Delta R.T. 0.017 min  
Lab File: VN075645.D  
Acq: 08 Dec 2022 14:08

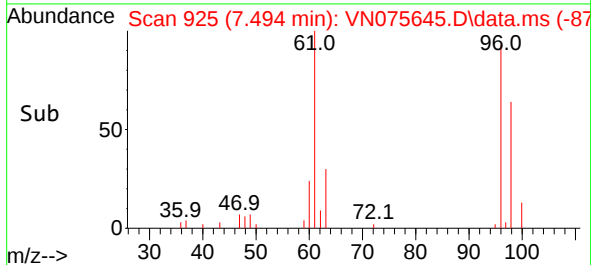
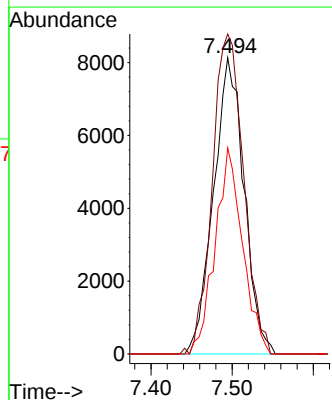
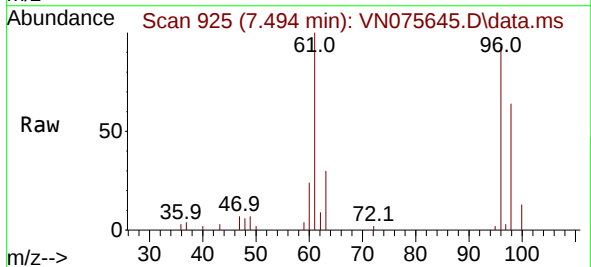
Instrument :  
MSVOA\_N  
ClientSampleId :  
GW-BR-04-95-105-120722

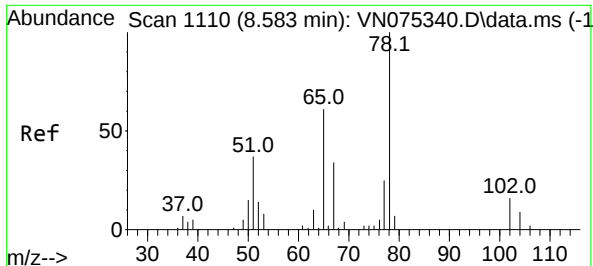
Tgt Ion: 43 Resp: 2682  
Ion Ratio Lower Upper  
43 100  
58 46.5 25.5 38.3#



#27  
cis-1,2-Dichloroethene  
Concen: 10.707 ug/l  
RT: 7.494 min Scan# 925  
Delta R.T. 0.000 min  
Lab File: VN075645.D  
Acq: 08 Dec 2022 14:08

Tgt Ion: 96 Resp: 21281  
Ion Ratio Lower Upper  
96 100  
61 110.3 0.0 278.8  
98 62.5 0.0 128.4





#33

1,2-Dichloroethane-d4

Concen: 50.629 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075645.D

Acq: 08 Dec 2022 14:08

Instrument :

MSVOA\_N

ClientSampleId :

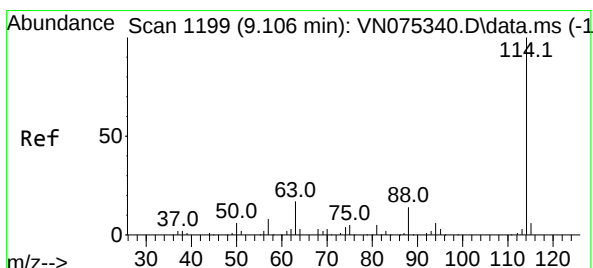
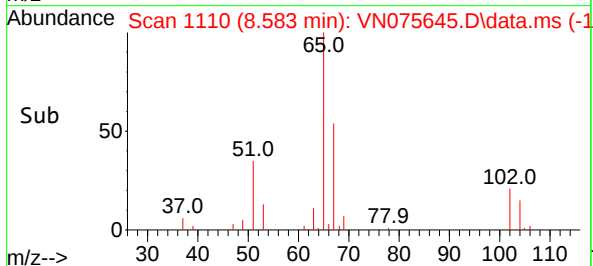
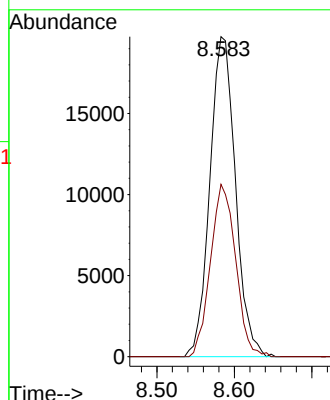
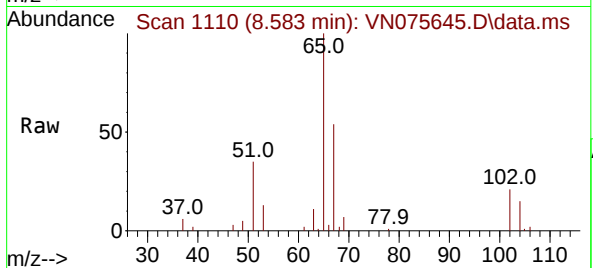
GW-BR-04-95-105-120722

Tgt Ion: 65 Resp: 45264

Ion Ratio Lower Upper

65 100

67 53.1 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: VN075645.D

Acq: 08 Dec 2022 14:08

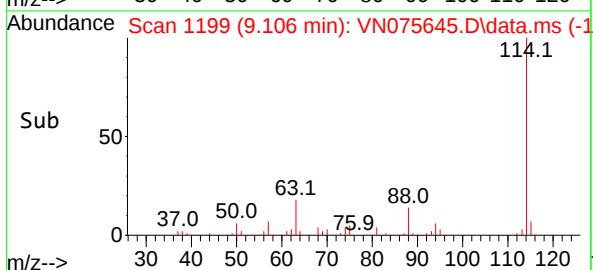
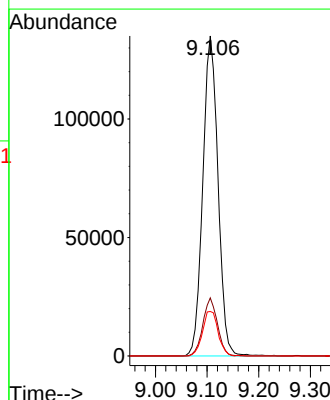
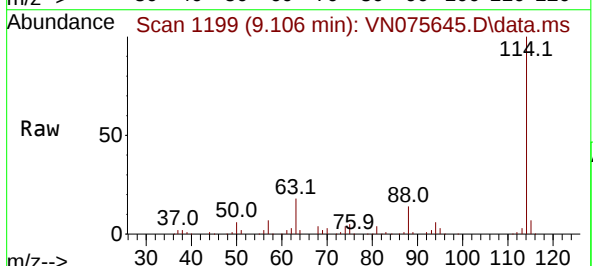
Tgt Ion: 114 Resp: 275840

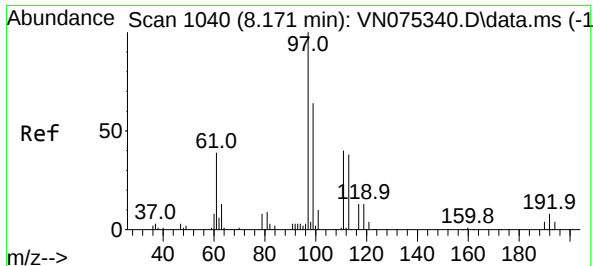
Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 13.9 0.0 29.0





#35

Dibromofluoromethane

Concen: 55.505 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075645.D

Acq: 08 Dec 2022 14:08

Instrument :

MSVOA\_N

ClientSampleId :

GW-BR-04-95-105-120722

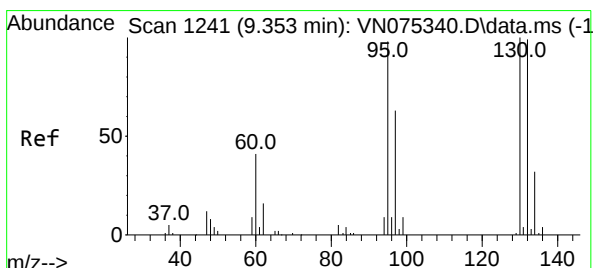
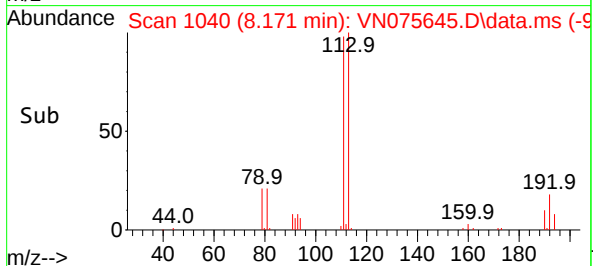
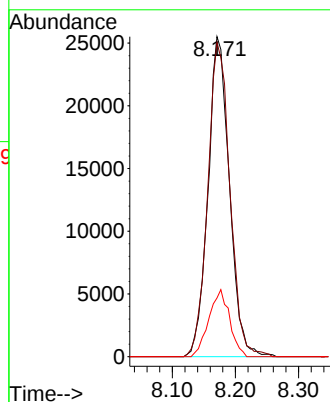
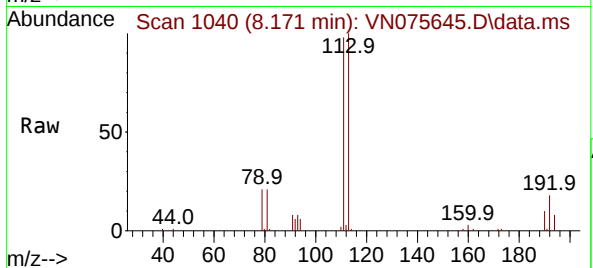
Tgt Ion:113 Resp: 60145

Ion Ratio Lower Upper

113 100

111 101.6 80.5 120.7

192 20.3 13.2 19.8#



#44

Trichloroethene

Concen: 27.690 ug/l

RT: 9.359 min Scan# 1242

Delta R.T. 0.006 min

Lab File: VN075645.D

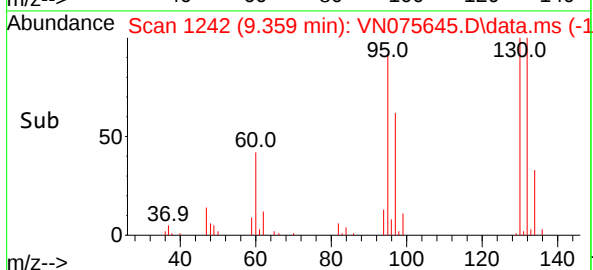
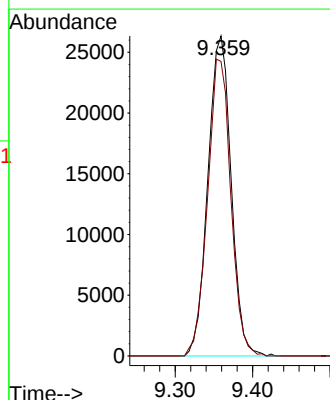
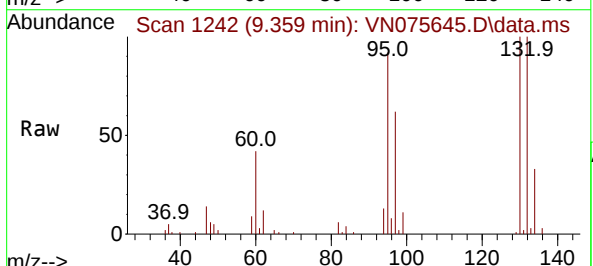
Acq: 08 Dec 2022 14:08

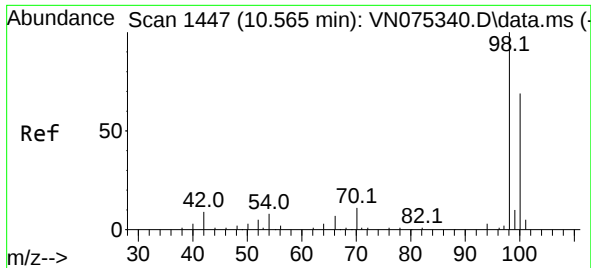
Tgt Ion:130 Resp: 54818

Ion Ratio Lower Upper

130 100

95 92.0 0.0 198.4

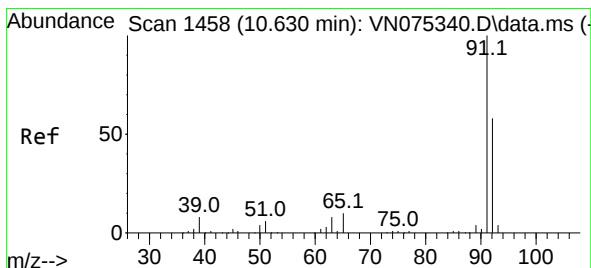
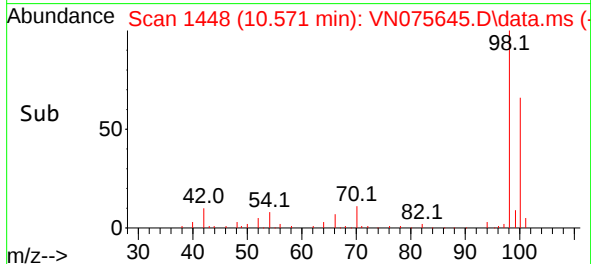
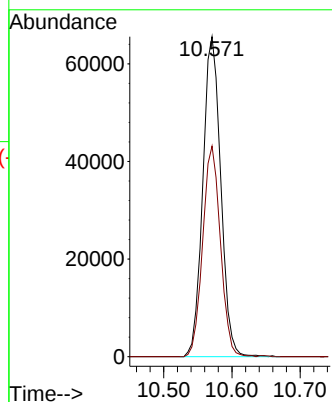
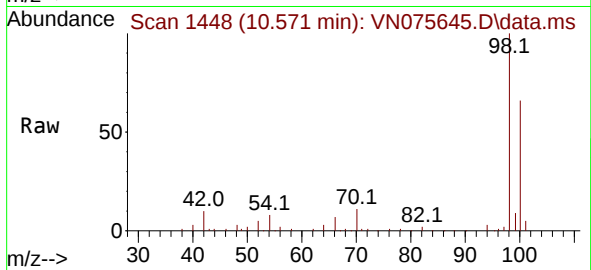




#50  
Toluene-d8  
Concen: 49.076 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.006 min  
Lab File: VN075645.D  
Acq: 08 Dec 2022 14:08

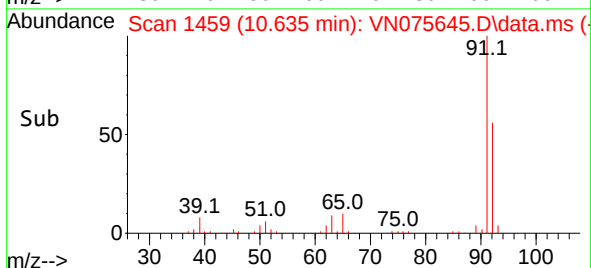
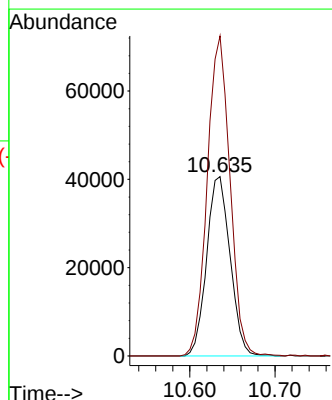
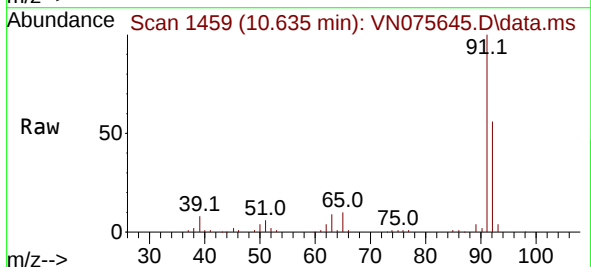
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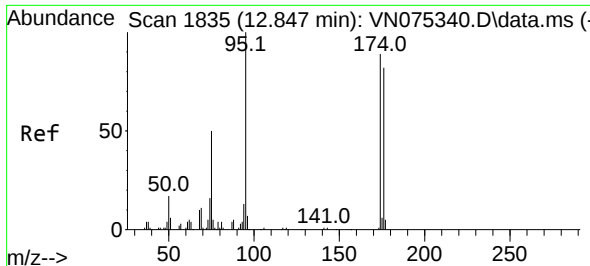
Tgt Ion: 98 Resp: 119772  
Ion Ratio Lower Upper  
98 100  
100 64.9 53.0 79.6



#52  
Toluene  
Concen: 16.673 ug/l  
RT: 10.635 min Scan# 1459  
Delta R.T. 0.005 min  
Lab File: VN075645.D  
Acq: 08 Dec 2022 14:08

Tgt Ion: 92 Resp: 77736  
Ion Ratio Lower Upper  
92 100  
91 172.7 135.4 203.2

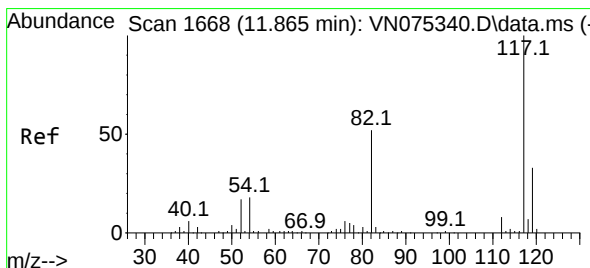
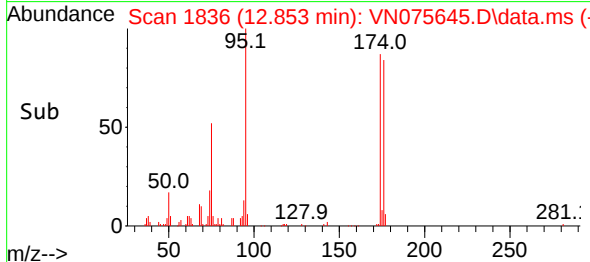
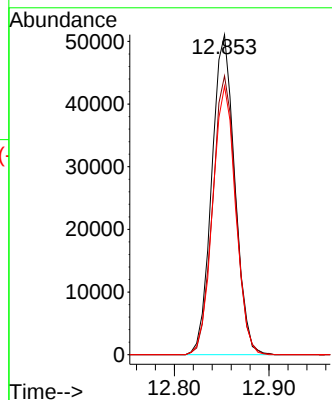
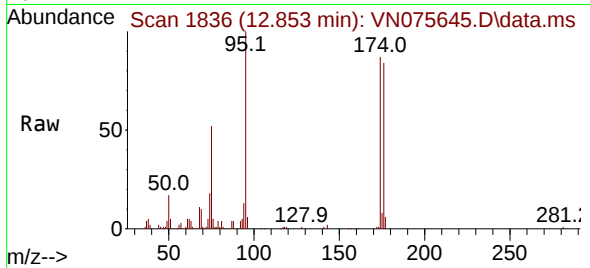




#62  
4-Bromofluorobenzene  
Concen: 47.920 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.006 min  
Lab File: VN075645.D  
Acq: 08 Dec 2022 14:08

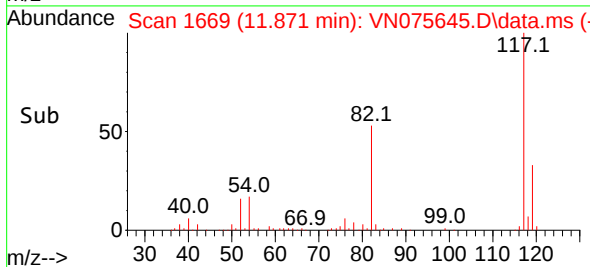
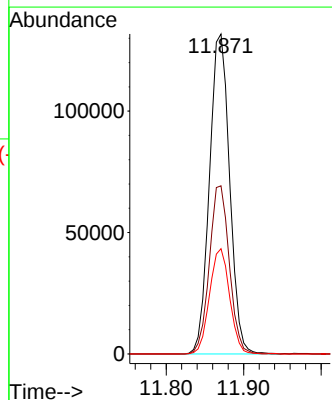
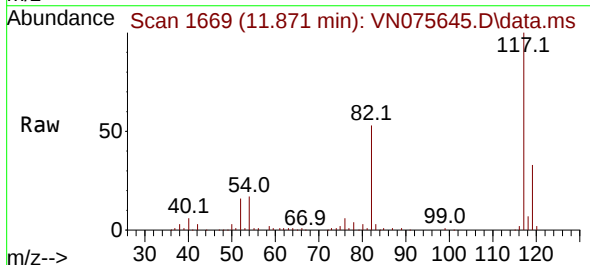
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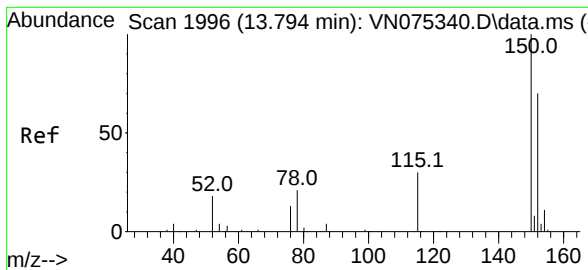
Tgt Ion: 95 Resp: 86322  
Ion Ratio Lower Upper  
95 100  
174 87.1 0.0 147.4  
176 84.1 0.0 142.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1669  
Delta R.T. 0.006 min  
Lab File: VN075645.D  
Acq: 08 Dec 2022 14:08

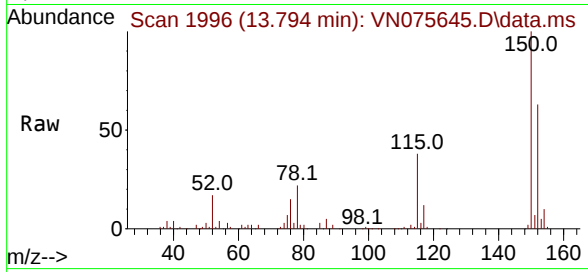
Tgt Ion: 117 Resp: 237917  
Ion Ratio Lower Upper  
117 100  
82 52.6 43.1 64.7  
119 32.9 25.5 38.3





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 1996  
 Delta R.T. 0.000 min  
 Lab File: VN075645.D  
 Acq: 08 Dec 2022 14:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 GW-BR-04-95-105-120722



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 103155 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 58.0  | 30.2  | 90.6   |
| 150      | 158.4 | 0.0   | 348.4  |

