

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120523\  
 Data File : VN080364.D  
 Acq On : 05 Dec 2023 14:23  
 Operator : JC\MD  
 Sample : 05622-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-5

Quant Time: Dec 06 00:51:51 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 17 01:19:32 2023  
 Response via : Initial Calibration

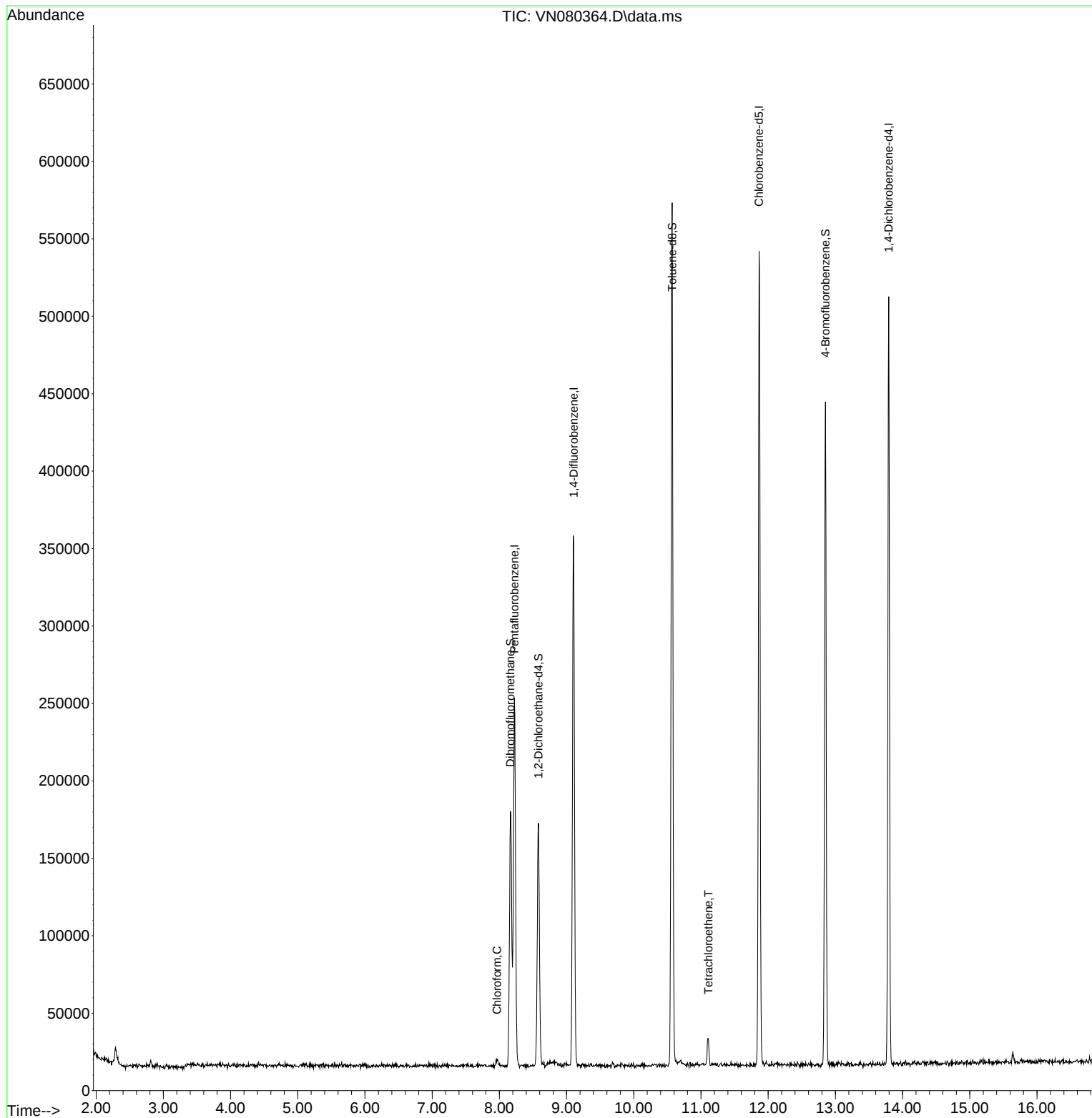
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 164546   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 291311   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 302981   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 132096   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 143584   | 52.848   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 105.700% |          |
| 35) Dibromofluoromethane    | 8.165  | 113   | 115148   | 53.570   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 107.140% |          |
| 50) Toluene-d8              | 10.570 | 98    | 391304   | 50.501   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 101.000% |          |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 146609   | 50.093   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 100.180% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 30) Chloroform              | 7.965  | 83    | 4514     | 1.145    | ug/l       | 86       |
| 64) Tetrachloroethene       | 11.112 | 164   | 4449     | 1.924    | ug/l #     | 82       |
| -----                       |        |       |          |          |            |          |

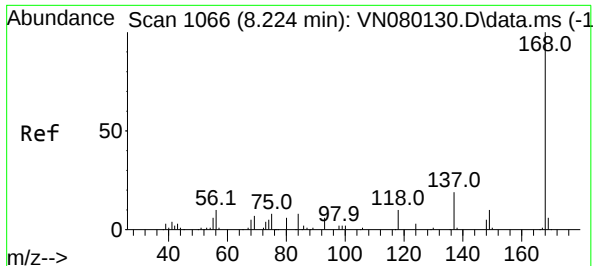
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-5

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N111623W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 17 01:19:32 2023  
Response via : Initial Calibration

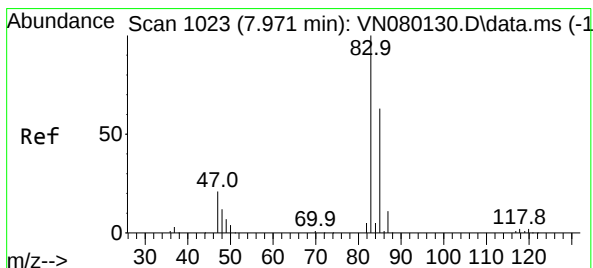
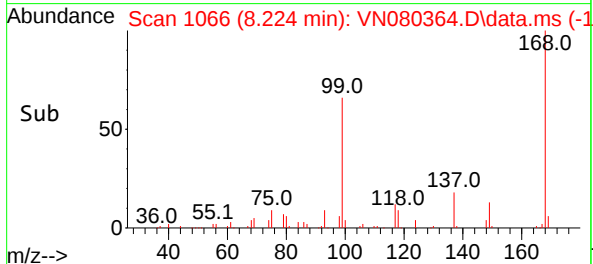
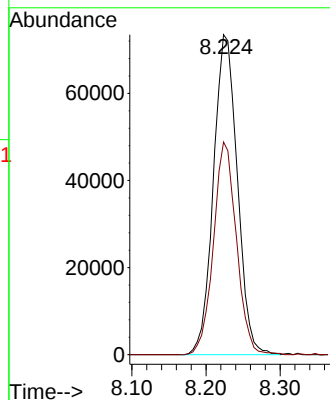
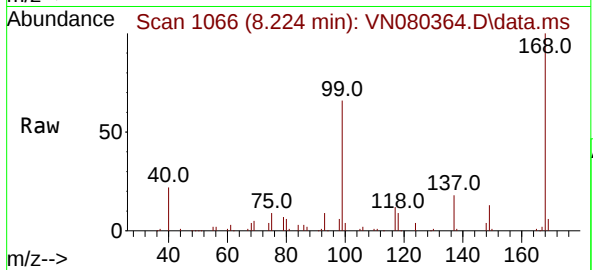




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN080364.D  
Acq: 05 Dec 2023 14:23

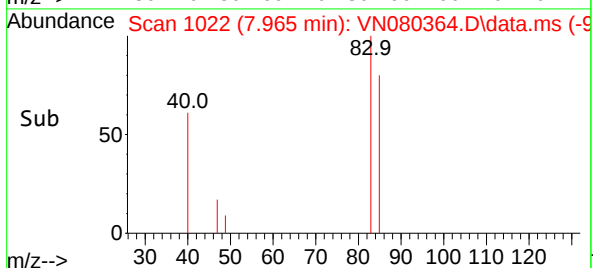
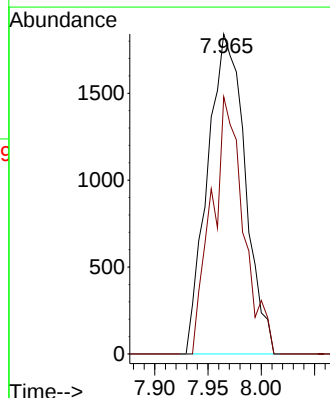
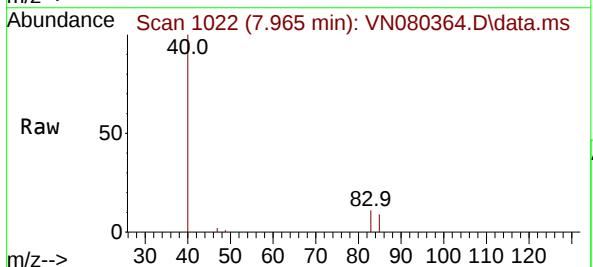
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-5

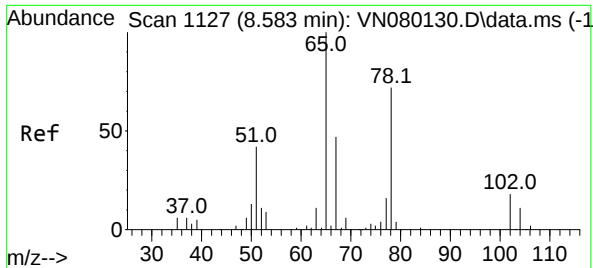
Tgt Ion:168 Resp: 164546  
Ion Ratio Lower Upper  
168 100  
99 66.4 53.0 79.6



#30  
Chloroform  
Concen: 1.145 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. -0.006 min  
Lab File: VN080364.D  
Acq: 05 Dec 2023 14:23

Tgt Ion: 83 Resp: 4514  
Ion Ratio Lower Upper  
83 100  
85 80.3 55.4 83.0





#33

1,2-Dichloroethane-d4

Concen: 52.848 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080364.D

Acq: 05 Dec 2023 14:23

Instrument :

MSVOA\_N

ClientSampleId :

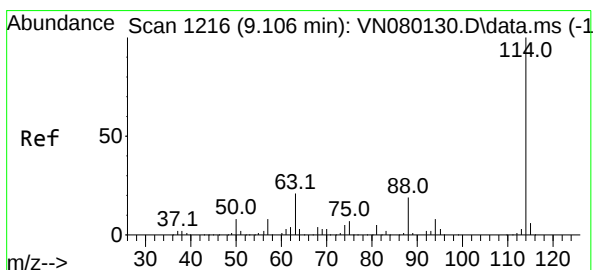
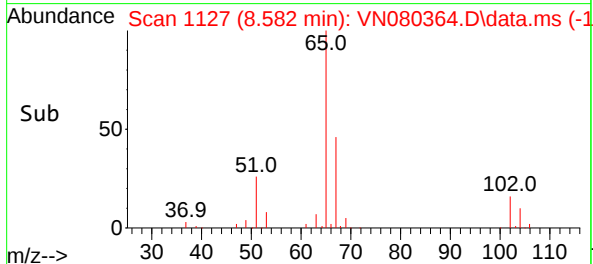
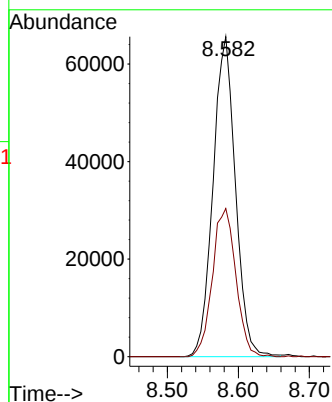
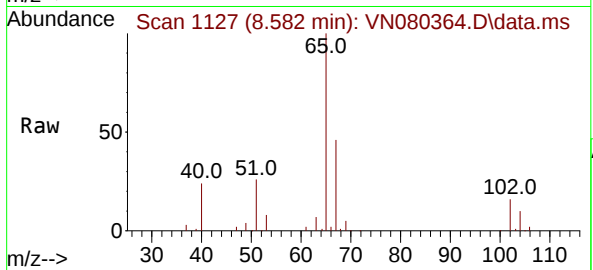
MW-5

Tgt Ion: 65 Resp: 143584

Ion Ratio Lower Upper

65 100

67 48.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN080364.D

Acq: 05 Dec 2023 14:23

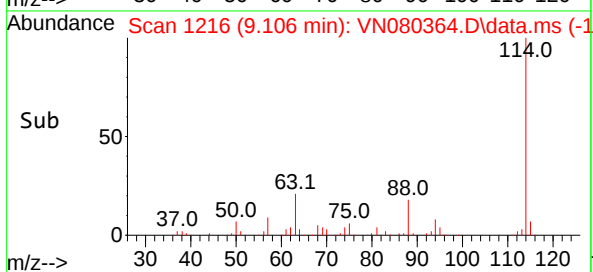
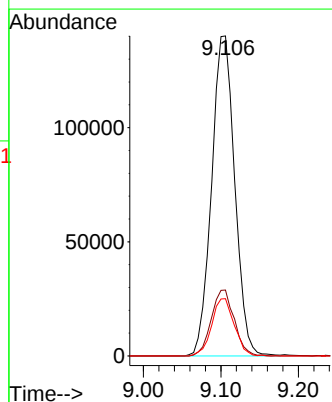
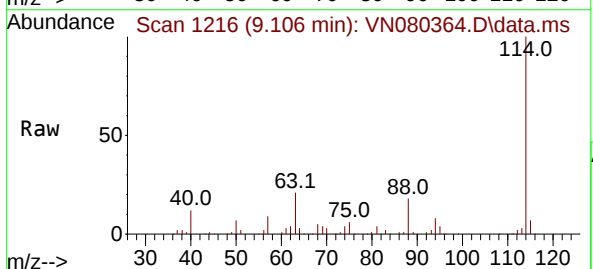
Tgt Ion: 114 Resp: 291311

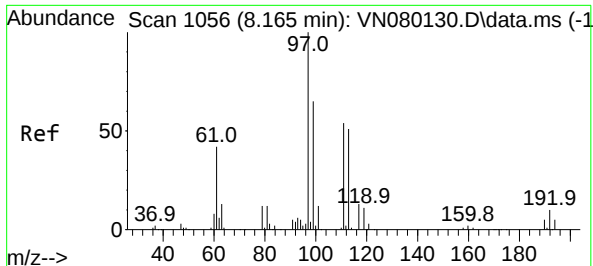
Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.4

88 17.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.570 ug/l

RT: 8.165 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080364.D

Acq: 05 Dec 2023 14:23

Instrument :

MSVOA\_N

ClientSampleId :

MW-5

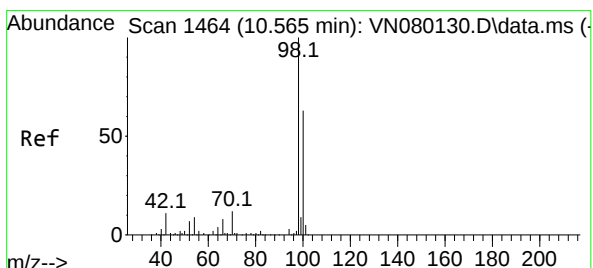
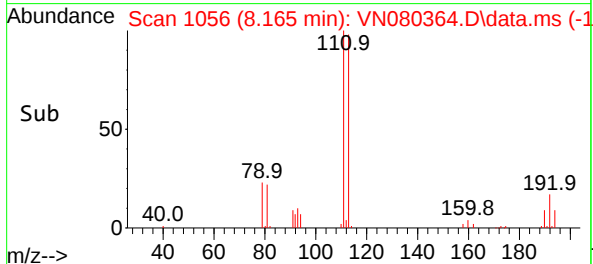
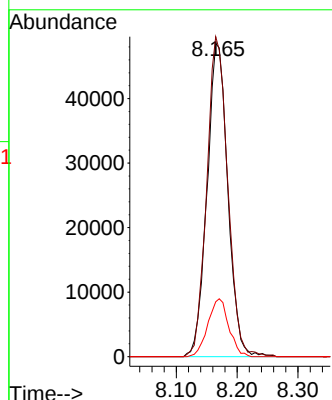
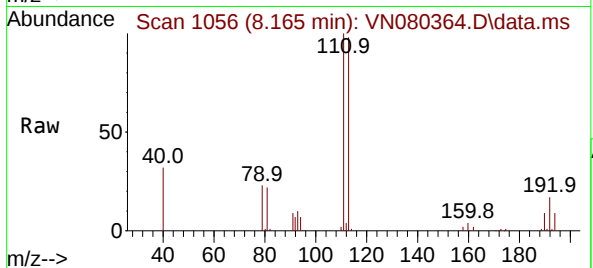
Tgt Ion:113 Resp: 115148

Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

192 18.6 12.7 19.1



#50

Toluene-d8

Concen: 50.501 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080364.D

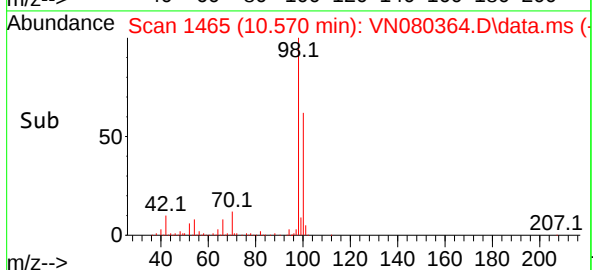
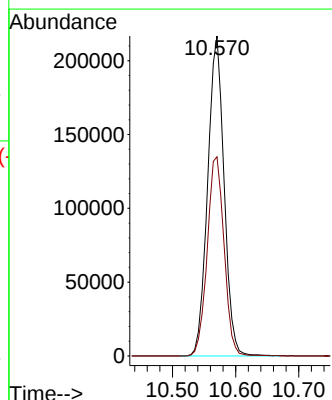
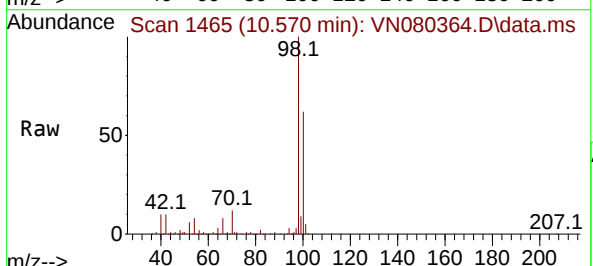
Acq: 05 Dec 2023 14:23

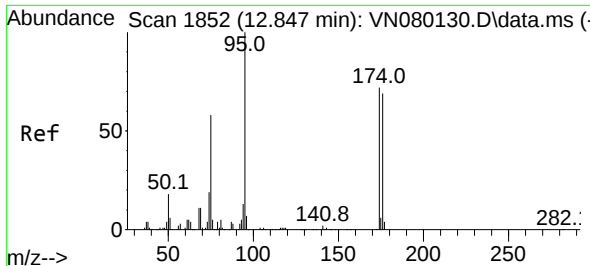
Tgt Ion: 98 Resp: 391304

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0

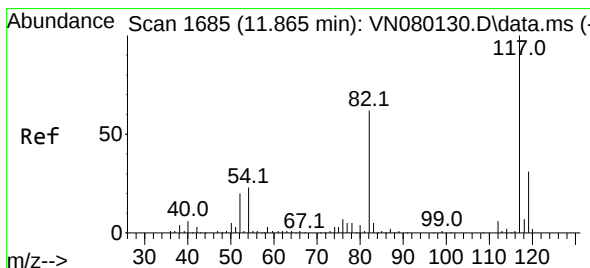
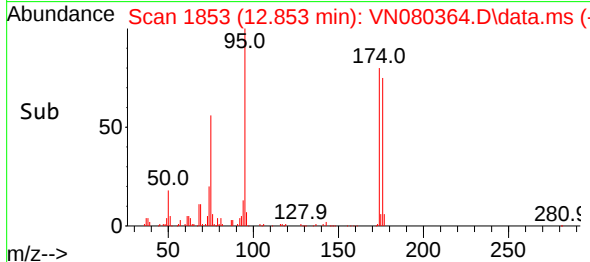
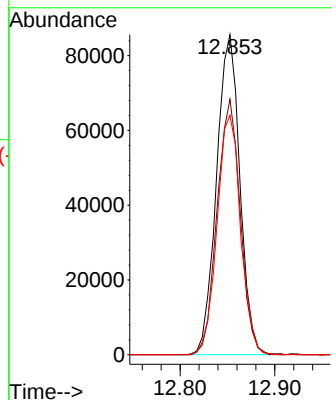
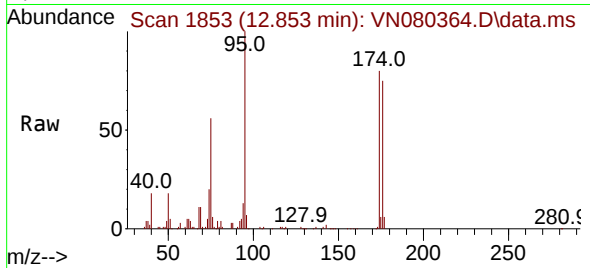




#62  
4-Bromofluorobenzene  
Concen: 50.093 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN080364.D  
Acq: 05 Dec 2023 14:23

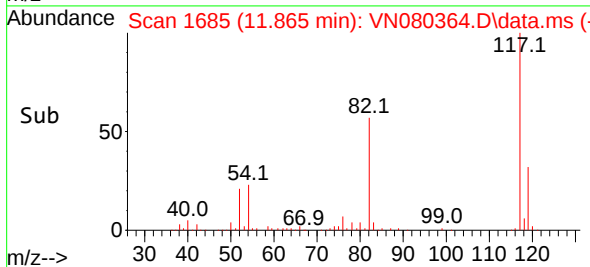
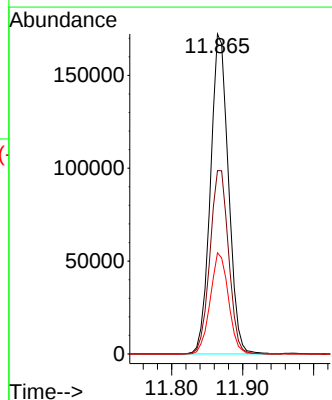
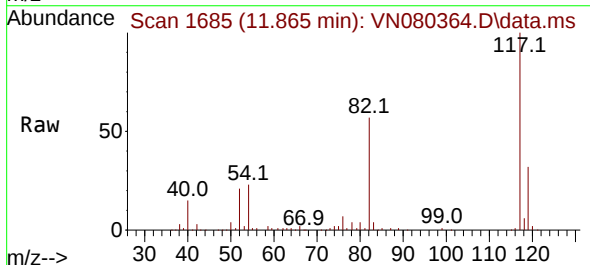
Instrument :  
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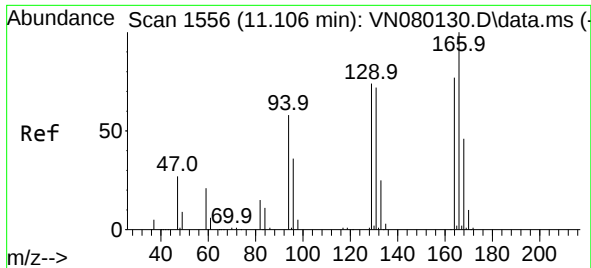
Tgt Ion: 95 Resp: 146609  
Ion Ratio Lower Upper  
95 100  
174 78.9 0.0 143.8  
176 75.6 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN080364.D  
Acq: 05 Dec 2023 14:23

Tgt Ion: 117 Resp: 302981  
Ion Ratio Lower Upper  
117 100  
82 57.3 44.0 66.0  
119 31.6 25.6 38.4

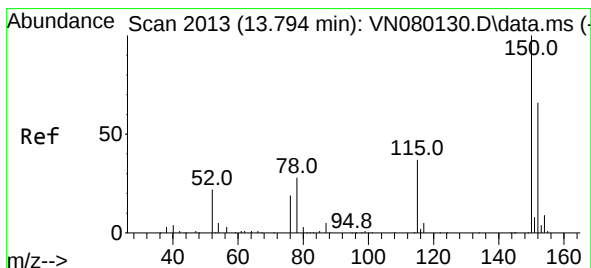
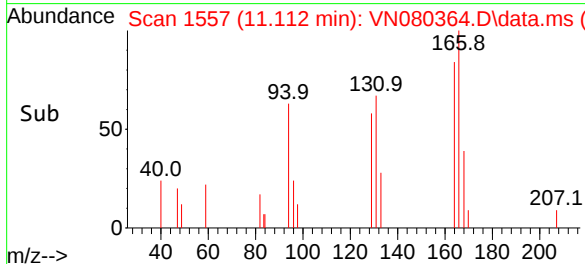
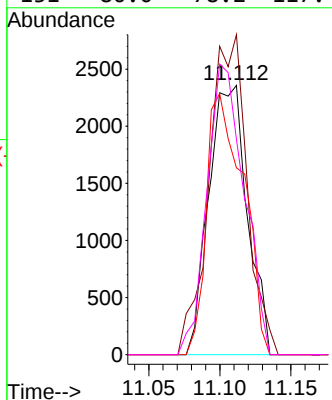
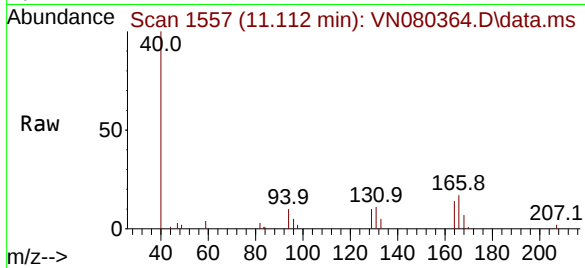




#64  
Tetrachloroethene  
Concen: 1.924 ug/l  
RT: 11.112 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN080364.D  
Acq: 05 Dec 2023 14:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-5

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:164 | Resp: | 4449        |
| Ion Ratio   | Lower | Upper       |
| 164         | 100   |             |
| 166         | 118.8 | 101.4 152.0 |
| 129         | 69.4  | 82.4 123.6# |
| 131         | 80.0  | 78.2 117.4  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: VN080364.D  
Acq: 05 Dec 2023 14:23

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 132096    |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 115         | 63.4  | 32.3 96.8 |
| 150         | 155.8 | 0.0 355.8 |

