

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021821\  
 Data File : VN065944.D  
 Acq On : 18 Feb 2021 16:33  
 Operator : JC/MD  
 Sample : M1418-02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-TT-MW178I-GW-20210210

Quant Time: Feb 19 00:17:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 17 15:48:13 2021  
 Response via : Initial Calibration

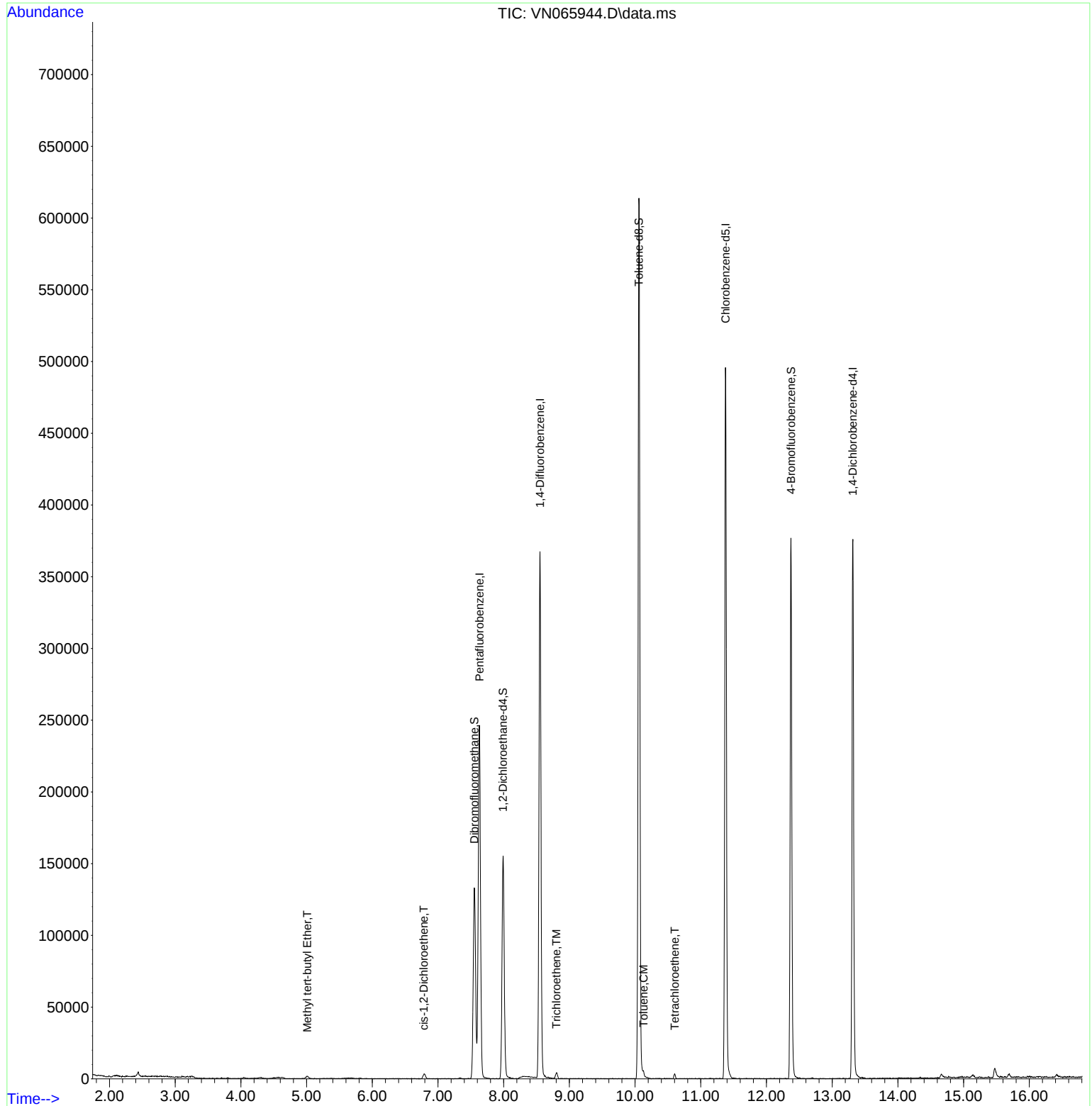
| Compound                    | R.T.           | QIon | Response           | Conc  | Units | Dev(Min) |
|-----------------------------|----------------|------|--------------------|-------|-------|----------|
| -----                       |                |      |                    |       |       |          |
| Internal Standards          |                |      |                    |       |       |          |
| 1) Pentafluorobenzene       | 7.630          | 168  | 199666             | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.553          | 114  | 337490             | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.376         | 117  | 301391             | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.315         | 152  | 109283             | 50.00 | ug/l  | 0.00     |
|                             |                |      |                    |       |       |          |
| System Monitoring Compounds |                |      |                    |       |       |          |
| 33) 1,2-Dichloroethane-d4   | 7.990          | 65   | 140115             | 50.18 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = 100.36% |       |       |          |
| 35) Dibromofluoromethane    | 7.553          | 113  | 108359             | 51.88 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = 103.76% |       |       |          |
| 50) Toluene-d8              | 10.058         | 98   | 443970             | 51.78 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = 103.56% |       |       |          |
| 62) 4-Bromofluorobenzene    | 12.373         | 95   | 149313             | 46.39 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = 92.78%  |       |       |          |
|                             |                |      |                    |       |       |          |
| Target Compounds            |                |      |                    |       |       | Qvalue   |
| 19) Methyl tert-butyl Ether | 5.010          | 73   | 3192               | 0.44  | ug/l  | # 89     |
| 27) cis-1,2-Dichloroethene  | 6.785          | 96   | 2153               | 0.80  | ug/l  | 94       |
| 44) Trichloroethene         | 8.804          | 130  | 1696               | 0.67  | ug/l  | 93       |
| 52) Toluene                 | 10.129         | 92   | 1848               | 0.29  | ug/l  | 97       |
| 64) Tetrachloroethene       | 10.605         | 164  | 845                | 0.36  | ug/l  | 93       |
| -----                       |                |      |                    |       |       |          |

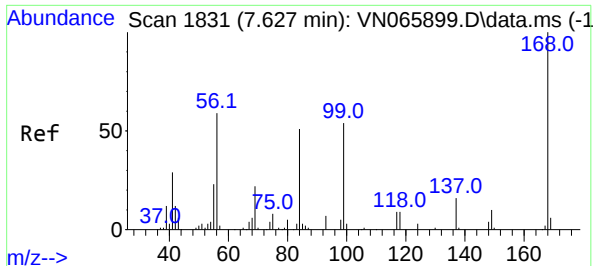
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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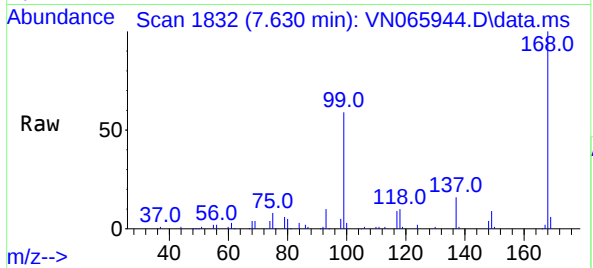
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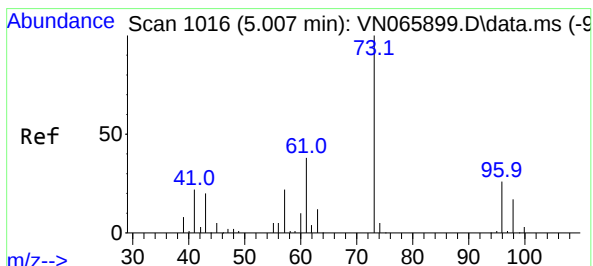
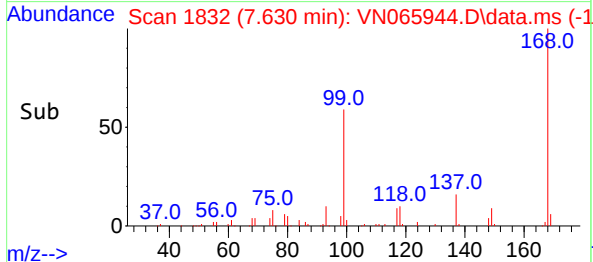
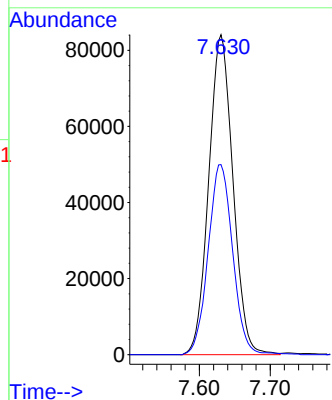


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.630 min Scan# 1832  
Delta R.T. 0.003 min  
Lab File: VN065944.D  
Acq: 18 Feb 2021 16:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
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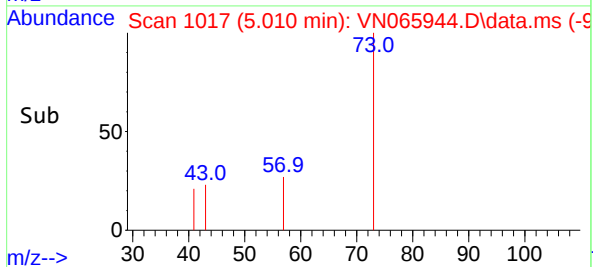
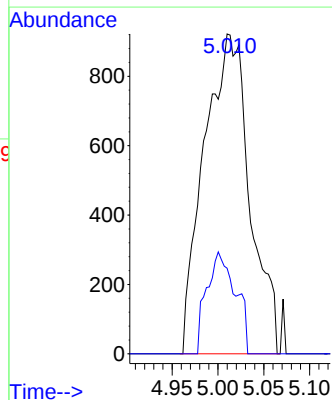
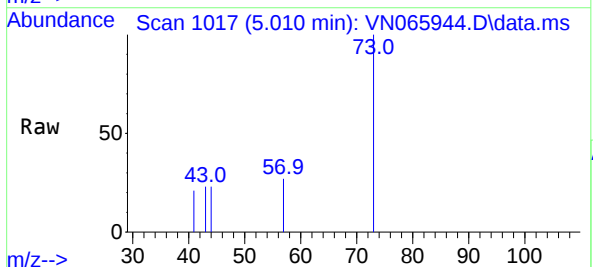


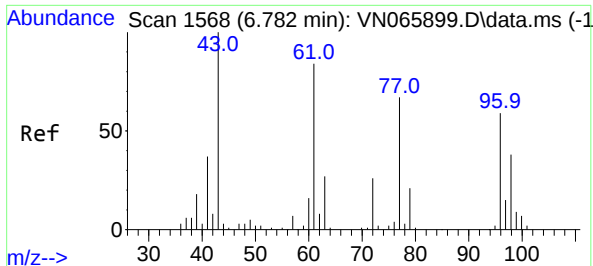
Tgt Ion:168 Resp: 199666  
Ion Ratio Lower Upper  
168 100  
99 59.4 42.6 63.8



#19  
Methyl tert-butyl Ether  
Concen: 0.44 ug/l  
RT: 5.010 min Scan# 1017  
Delta R.T. 0.003 min  
Lab File: VN065944.D  
Acq: 18 Feb 2021 16:33

Tgt Ion: 73 Resp: 3192  
Ion Ratio Lower Upper  
73 100  
57 26.8 17.3 25.9#



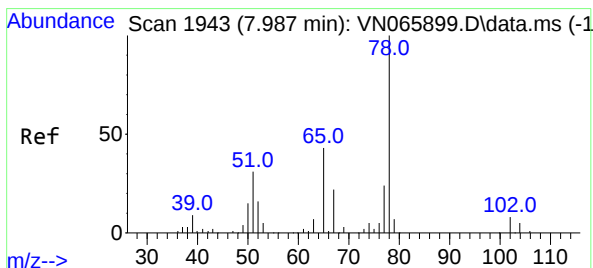
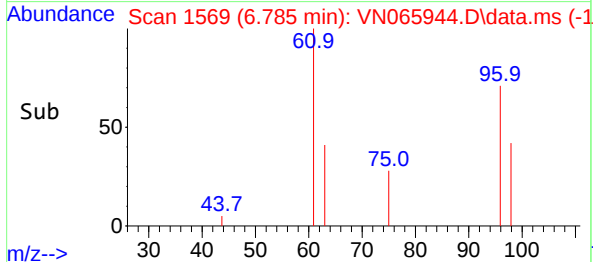
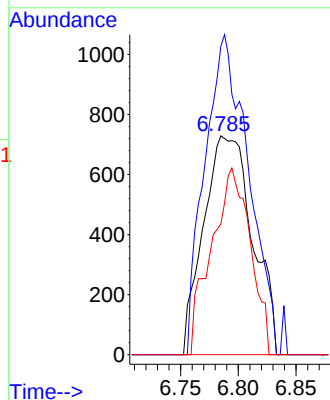
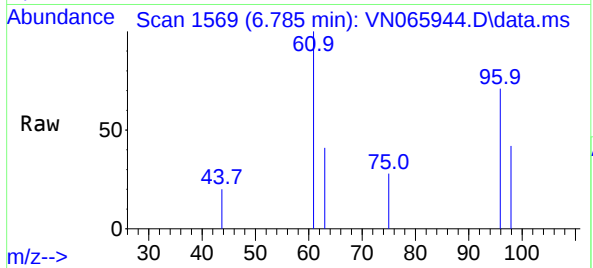


#27  
cis-1,2-Dichloroethene  
Concen: 0.80 ug/l  
RT: 6.785 min Scan# 1569  
Delta R.T. 0.003 min  
Lab File: VN065944.D  
Acq: 18 Feb 2021 16:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-MW178I-GW-20210210

Tgt Ion: 96 Resp: 2153

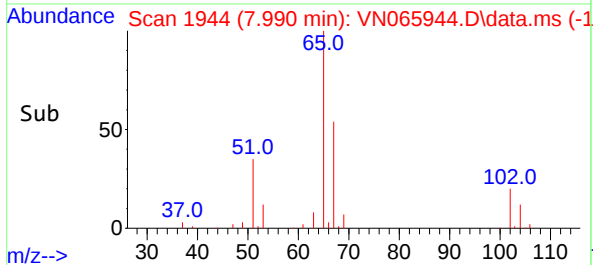
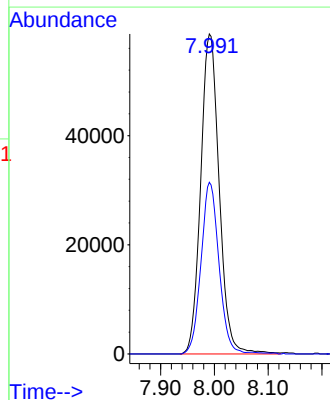
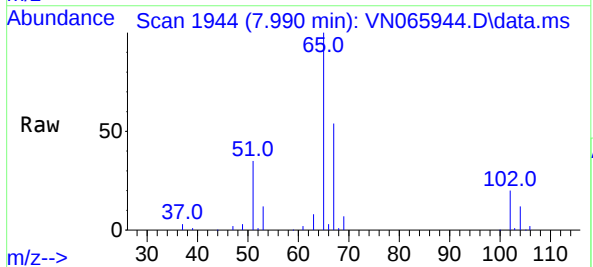
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 130.1 | 0.0   | 276.8 |
| 98  | 67.7  | 0.0   | 129.4 |

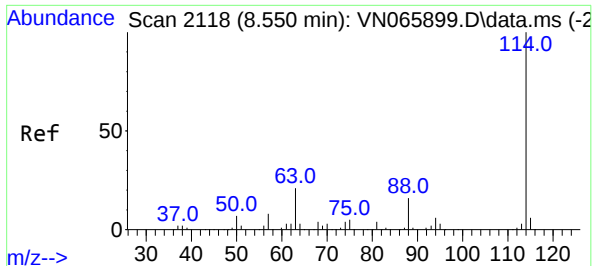


#33  
1,2-Dichloroethane-d4  
Concen: 50.18 ug/l  
RT: 7.990 min Scan# 1944  
Delta R.T. 0.003 min  
Lab File: VN065944.D  
Acq: 18 Feb 2021 16:33

Tgt Ion: 65 Resp: 140115

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 51.9  | 0.0   | 107.2 |

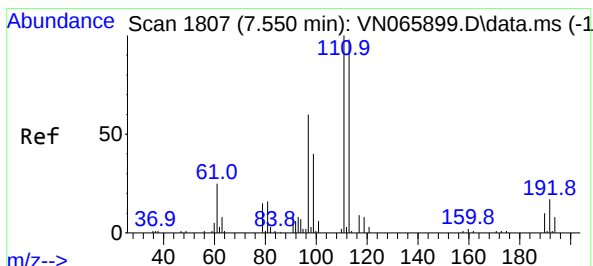
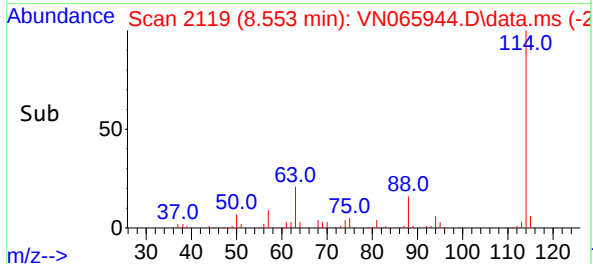
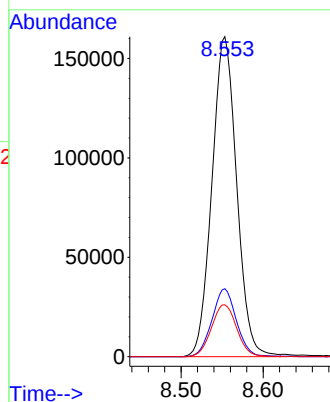
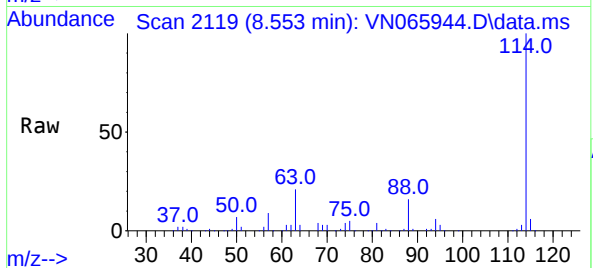




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.553 min Scan# 2119  
Delta R.T. 0.003 min  
Lab File: VN065944.D  
Acq: 18 Feb 2021 16:33

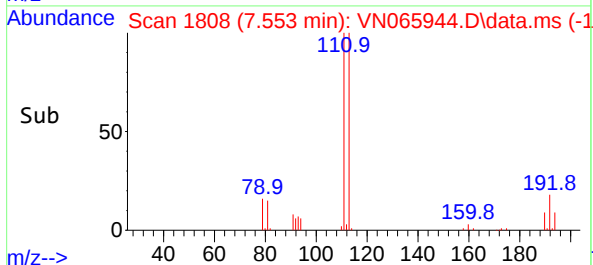
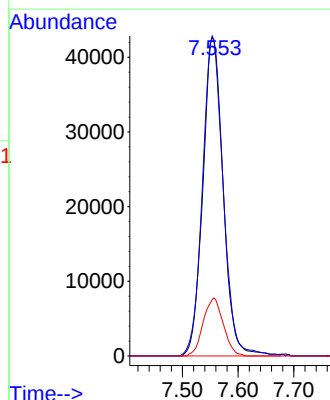
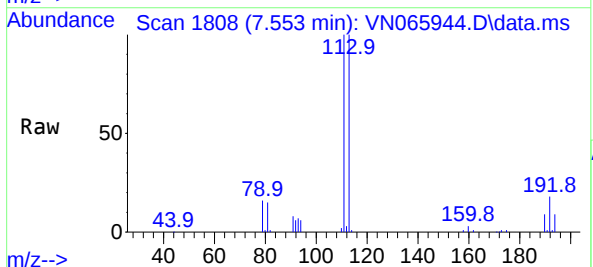
Instrument :  
MSVOA\_N  
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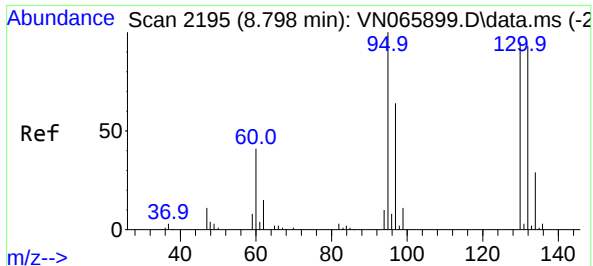
Tgt Ion:114 Resp: 337490  
Ion Ratio Lower Upper  
114 100  
63 21.2 0.0 38.6  
88 16.2 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 51.88 ug/l  
RT: 7.553 min Scan# 1808  
Delta R.T. 0.003 min  
Lab File: VN065944.D  
Acq: 18 Feb 2021 16:33

Tgt Ion:113 Resp: 108359  
Ion Ratio Lower Upper  
113 100  
111 101.6 82.2 123.2  
192 17.9 15.4 23.0

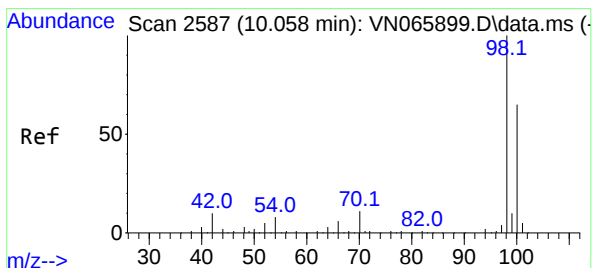
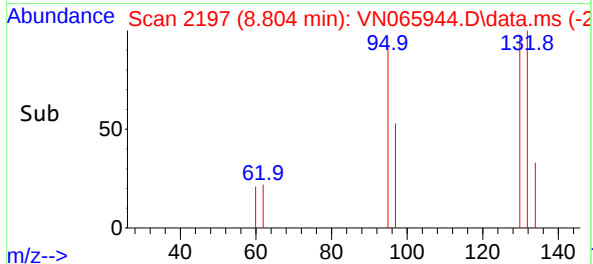
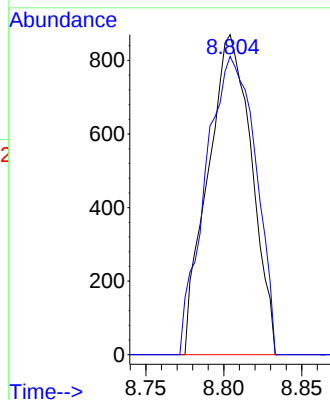
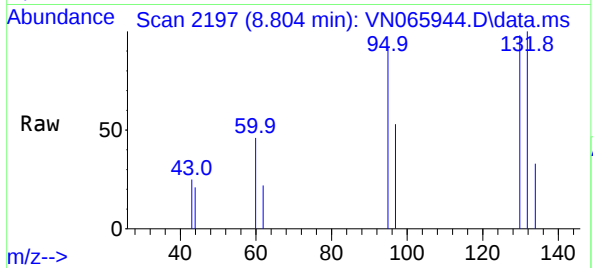




#44  
Trichloroethene  
Concen: 0.67 ug/l  
RT: 8.804 min Scan# 2197  
Delta R.T. 0.006 min  
Lab File: VN065944.D  
Acq: 18 Feb 2021 16:33

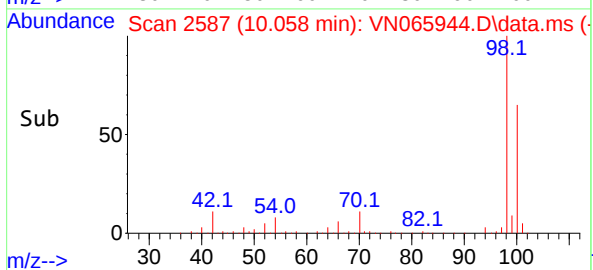
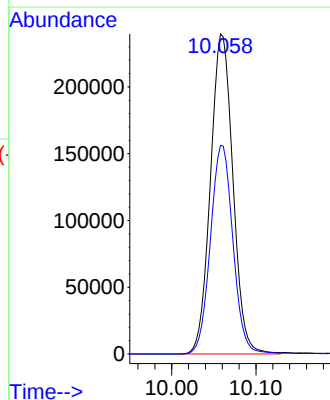
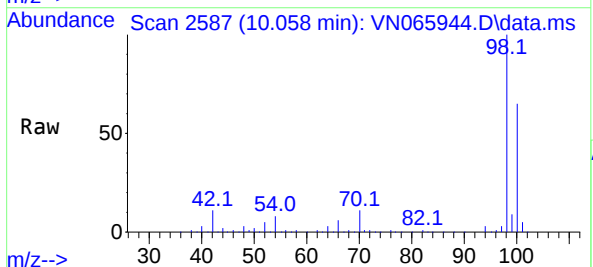
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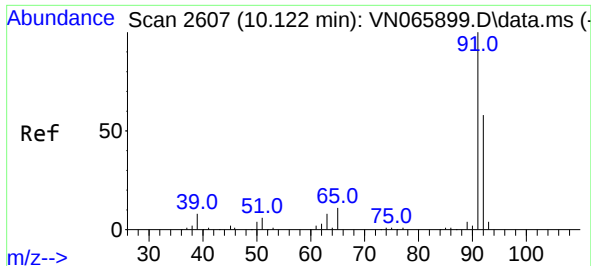
Tgt Ion:130 Resp: 1696  
Ion Ratio Lower Upper  
130 100  
95 93.2 0.0 199.6



#50  
Toluene-d8  
Concen: 51.78 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. -0.000 min  
Lab File: VN065944.D  
Acq: 18 Feb 2021 16:33

Tgt Ion: 98 Resp: 443970  
Ion Ratio Lower Upper  
98 100  
100 65.2 50.5 75.7

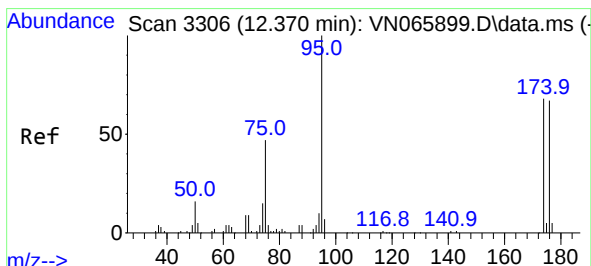
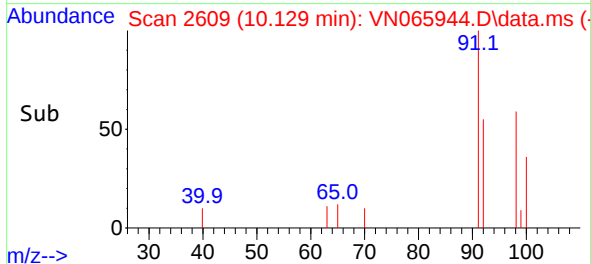
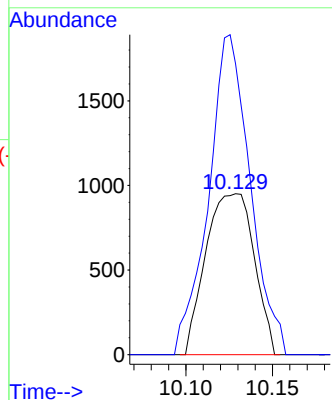
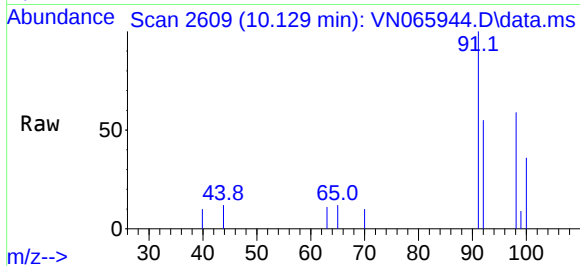




#52  
Toluene  
Concen: 0.29 ug/l  
RT: 10.129 min Scan# 2609  
Delta R.T. 0.007 min  
Lab File: VN065944.D  
Acq: 18 Feb 2021 16:33

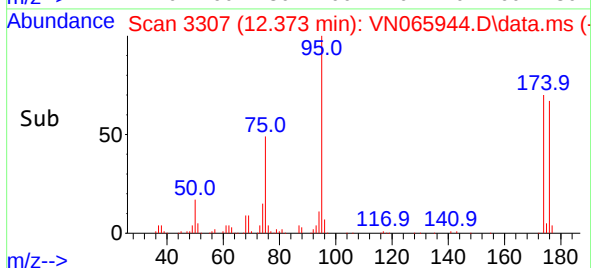
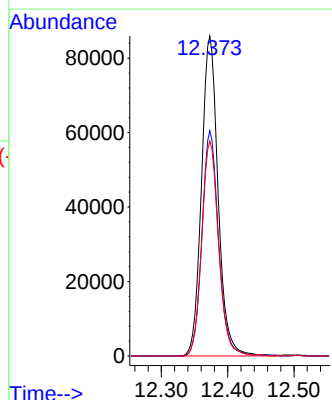
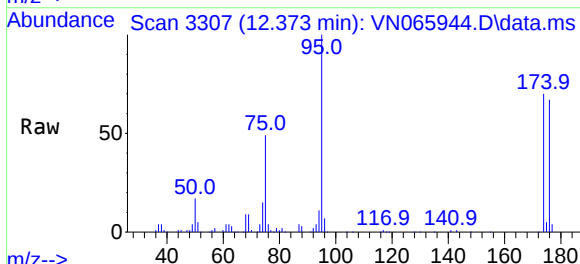
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ClientSampleId :  
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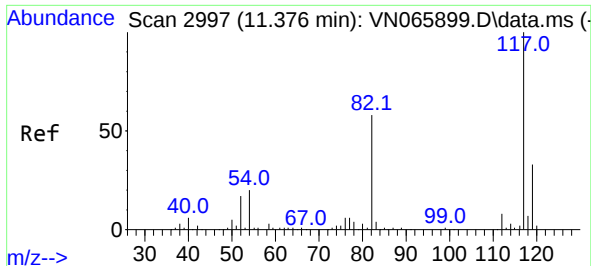
Tgt Ion: 92 Resp: 1848  
Ion Ratio Lower Upper  
92 100  
91 171.1 140.7 211.1



#62  
4-Bromofluorobenzene  
Concen: 46.39 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.003 min  
Lab File: VN065944.D  
Acq: 18 Feb 2021 16:33

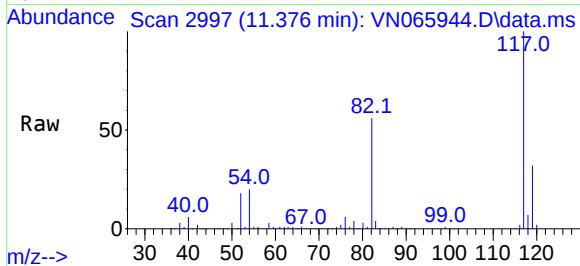
Tgt Ion: 95 Resp: 149313  
Ion Ratio Lower Upper  
95 100  
174 70.1 0.0 169.0  
176 67.8 0.0 162.4



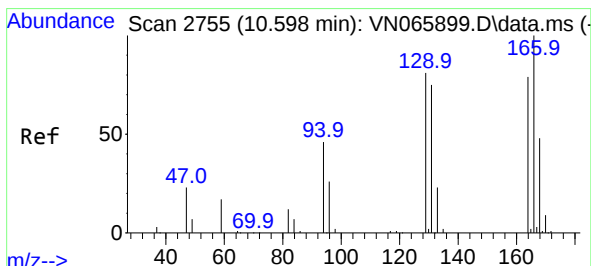
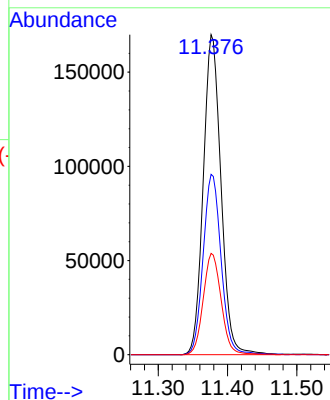
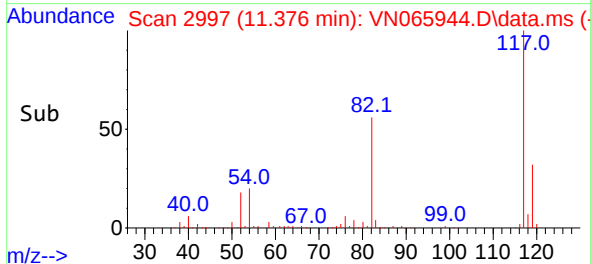


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.376 min Scan# 2997  
Delta R.T. 0.000 min  
Lab File: VN065944.D  
Acq: 18 Feb 2021 16:33

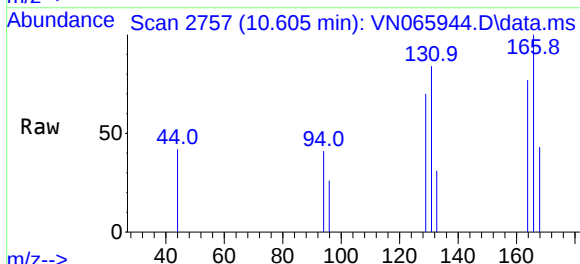
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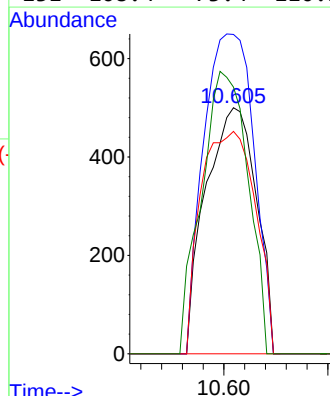
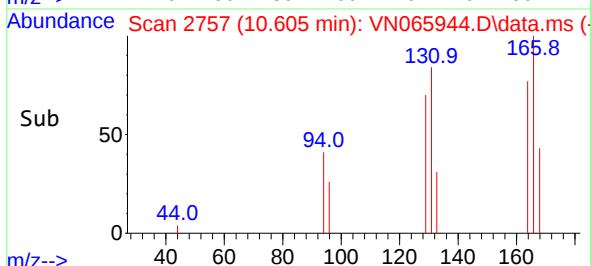
Tgt Ion:117 Resp: 301391  
Ion Ratio Lower Upper  
117 100  
82 56.4 43.7 65.5  
119 31.7 26.1 39.1

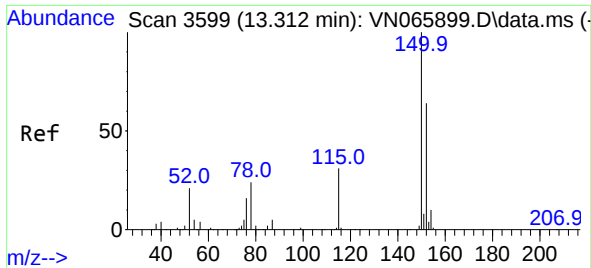


#64  
Tetrachloroethene  
Concen: 0.36 ug/l  
RT: 10.605 min Scan# 2757  
Delta R.T. 0.007 min  
Lab File: VN065944.D  
Acq: 18 Feb 2021 16:33



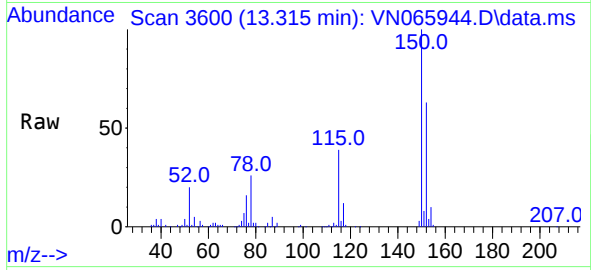
Tgt Ion:164 Resp: 845  
Ion Ratio Lower Upper  
164 100  
166 129.8 102.6 154.0  
129 90.4 76.2 114.4  
131 108.4 73.4 110.2





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.315 min Scan# 3600  
 Delta R.T. 0.003 min  
 Lab File: VN065944.D  
 Acq: 18 Feb 2021 16:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-TT-MW178I-GW-20210210



Tgt Ion:152 Resp: 109283

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 62.0  | 28.5  | 85.6  |
| 150 | 158.9 | 0.0   | 347.6 |

