

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122820\  
 Data File : VN065291.D  
 Acq On : 28 Dec 2020 17:20  
 Operator : JC/MD  
 Sample : L5218-03  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2R

Quant Time: Dec 29 02:23:40 2020  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122220w.M  
 Quant Title : Sw846 8260  
 QLast Update : Tue Dec 22 15:42:18 2020  
 Response via : Initial Calibration

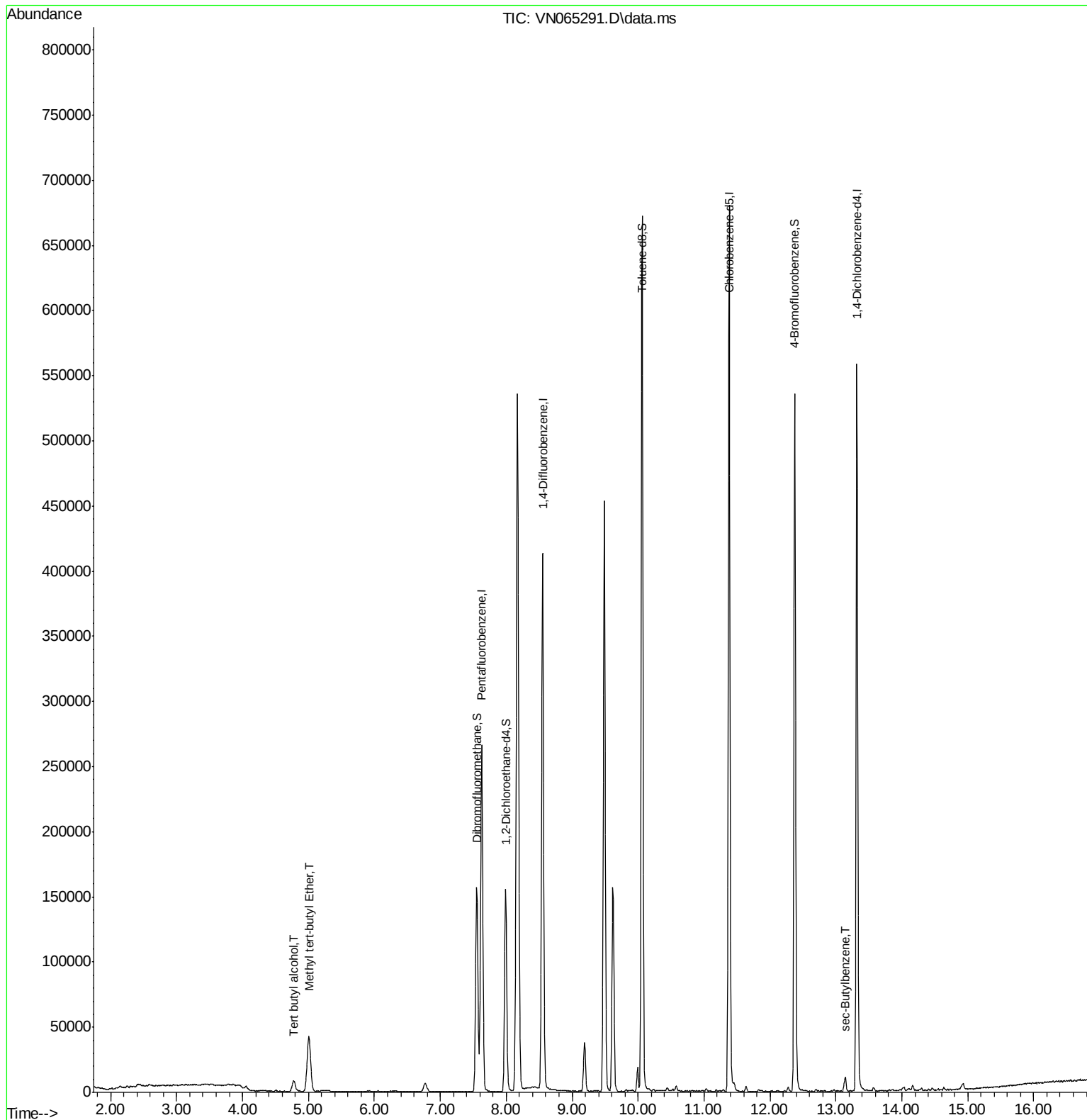
| Compound                    | R.T.           | QIon | Response           | Conc  | Units  | Dev(Min) |
|-----------------------------|----------------|------|--------------------|-------|--------|----------|
| -----                       |                |      |                    |       |        |          |
| Internal Standards          |                |      |                    |       |        |          |
| 1) Pentafluorobenzene       | 7.627          | 168  | 239019             | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.553          | 114  | 389671             | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.380         | 117  | 411675             | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.318         | 152  | 167550             | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |                |      |                    |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 7.991          | 65   | 138227             | 51.23 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = 102.46% |       |        |          |
| 35) Dibromofluoromethane    | 7.553          | 113  | 119221             | 50.71 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = 101.42% |       |        |          |
| 50) Toluene-d8              | 10.061         | 98   | 486980             | 55.27 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = 110.54% |       |        |          |
| 62) 4-Bromofluorobenzene    | 12.376         | 95   | 187138             | 53.32 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = 106.64% |       |        |          |
| Target Compounds            |                |      |                    |       |        |          |
| 11) Tert butyl alcohol      | 4.772          | 59   | 16816              | 38.09 | ug/l # | 85       |
| 19) Methyl tert-butyl Ether | 5.007          | 73   | 76868              | 10.31 | ug/l   | 97       |
| 85) sec-Butylbenzene        | 13.145         | 105  | 7942               | 0.65  | ug/l # | 77       |
| -----                       |                |      |                    |       |        |          |

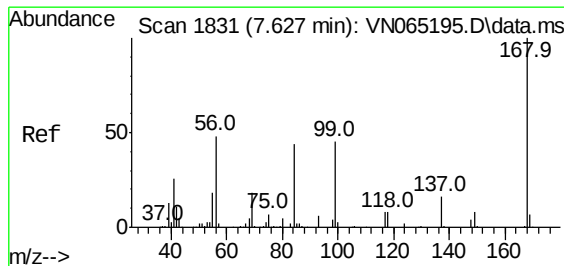
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122820\  
Data File : VN065291.D  
Acq On : 28 Dec 2020 17:20  
Operator : JC/MD  
Sample : L5218-03  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2R

Quant Time: Dec 29 02:23:40 2020  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122220w.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 22 15:42:18 2020  
Response via : Initial Calibration

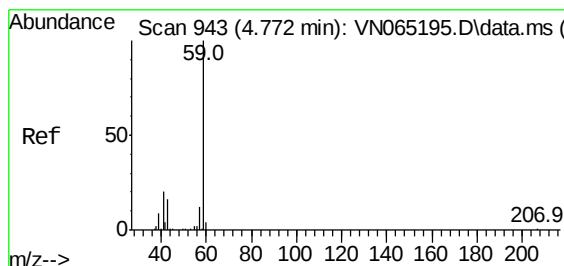
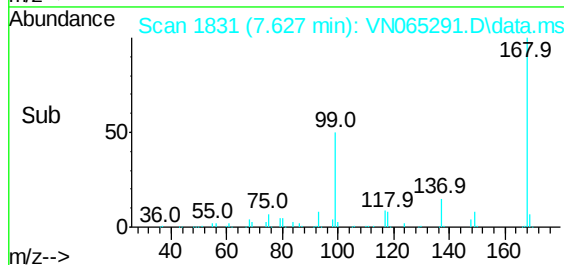
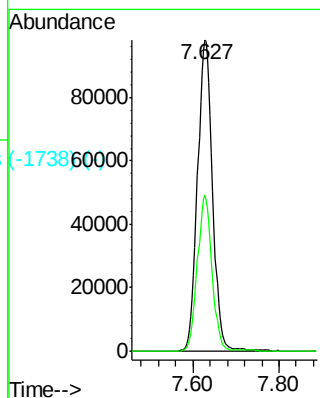
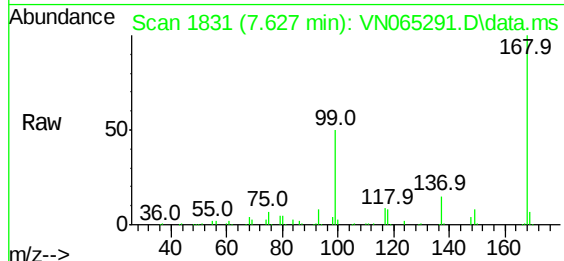




(-12) (-)  
 Pentafluorobenzene  
 Concen: 50.00 ug/l  
 RT: 7.627 min Scan# 1831  
 Delta R.T. 0.000 min  
 Lab File: VN065291.D  
 Acq: 28 Dec 2020 17:20

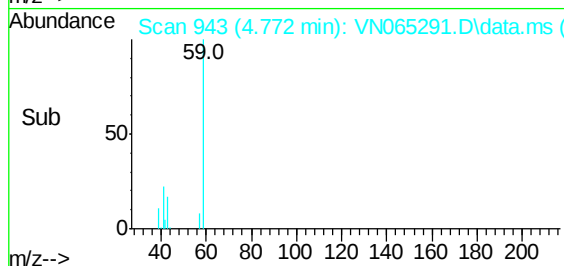
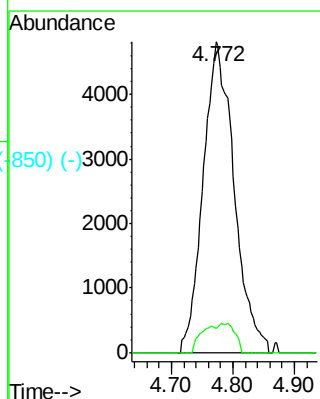
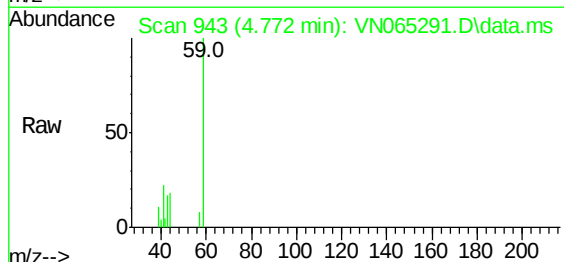
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2R

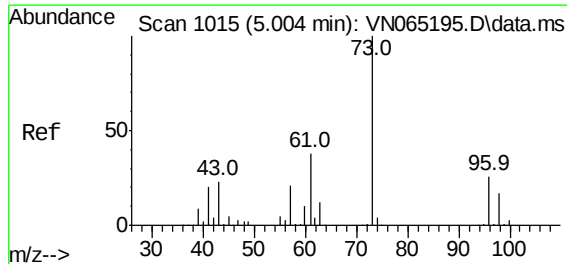
Tgt Ion:168 Resp: 239019  
 Ion Ratio Lower Upper  
 168 100  
 99 50.0 43.0 64.4



(-11) (-)  
 Tert butyl alcohol  
 Concen: 38.09 ug/l  
 RT: 4.772 min Scan# 943  
 Delta R.T. 0.000 min  
 Lab File: VN065291.D  
 Acq: 28 Dec 2020 17:20

Tgt Ion: 59 Resp: 16816  
 Ion Ratio Lower Upper  
 59 100  
 57 4.4 7.9 11.9#

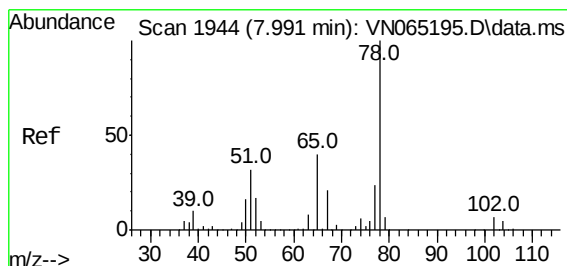
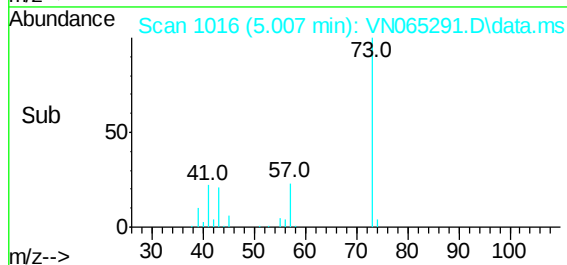
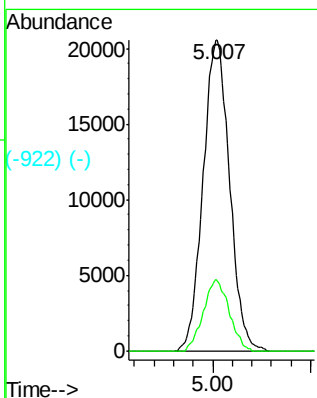
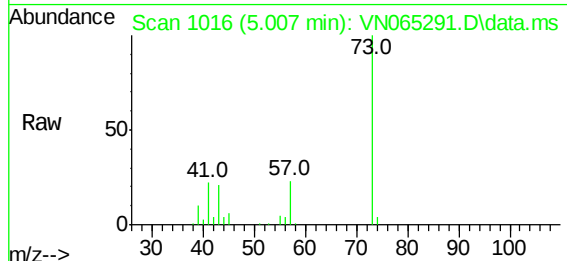




(-922) (-)  
Methyl tert-butyl Ether  
Concen: 10.31 ug/l  
RT: 5.007 min Scan# 1016  
Delta R.T. 0.003 min  
Lab File: VN065291.D  
Acq: 28 Dec 2020 17:20

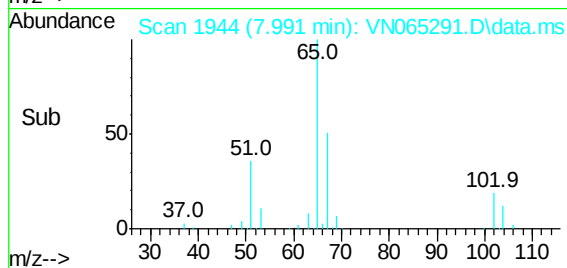
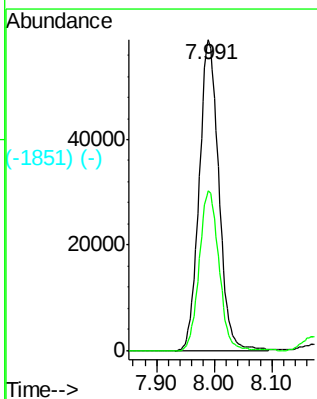
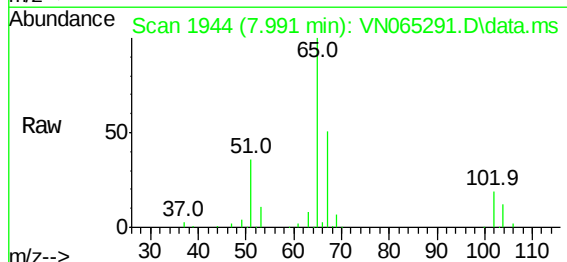
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-2R

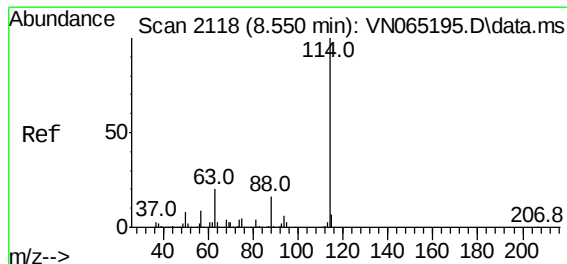
Tgt Ion: 73 Resp: 76868  
Ion Ratio Lower Upper  
73 100  
57 23.0 17.4 26.0



(-1826) (-)  
1,2-Dichloroethane-d4  
Concen: 51.23 ug/l  
RT: 7.991 min Scan# 1944  
Delta R.T. -0.000 min  
Lab File: VN065291.D  
Acq: 28 Dec 2020 17:20

Tgt Ion: 65 Resp: 138227  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 108.2



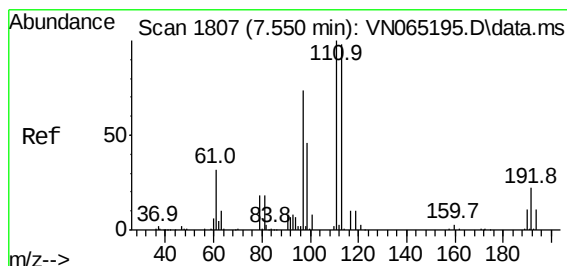
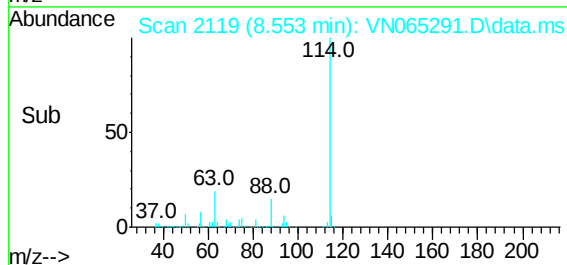
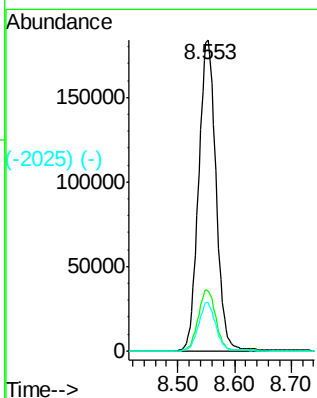
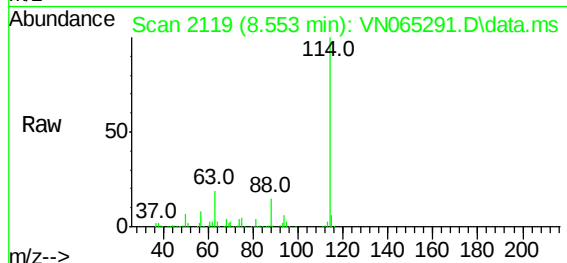


1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.553 min Scan# 2119  
Delta R.T. 0.003 min  
Lab File: VN065291.D  
Acq: 28 Dec 2020 17:20

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2R

Tgt Ion:114 Resp: 389671

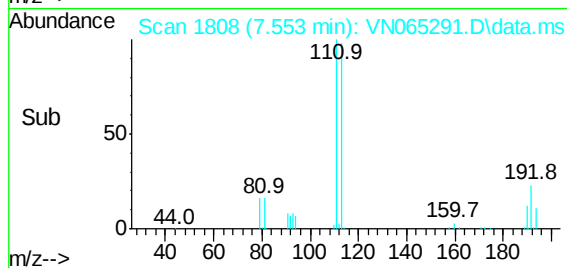
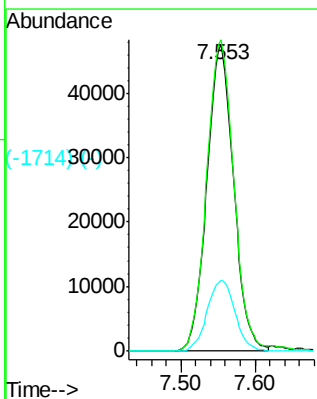
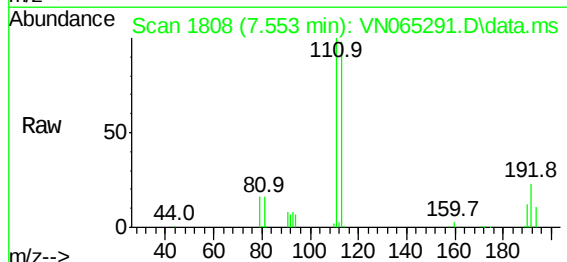
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 19.4  | 0.0   | 38.6  |
| 88  | 15.5  | 0.0   | 32.6  |

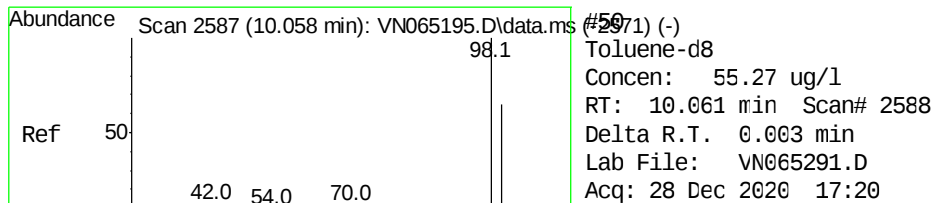


Dibromofluoromethane  
Concen: 50.71 ug/l  
RT: 7.553 min Scan# 1808  
Delta R.T. 0.003 min  
Lab File: VN065291.D  
Acq: 28 Dec 2020 17:20

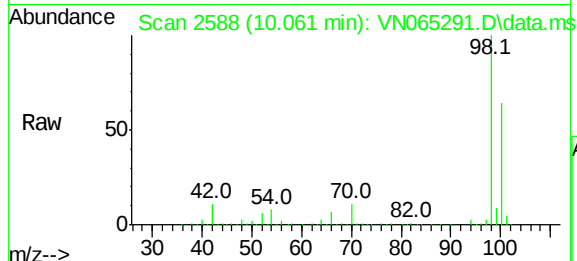
Tgt Ion:113 Resp: 119221

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 104.1 | 81.6  | 122.4 |
| 192 | 23.6  | 16.2  | 24.2  |



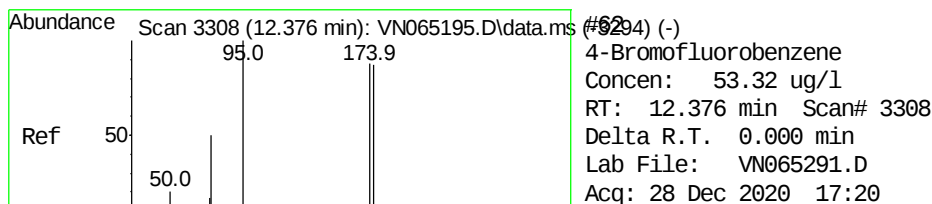
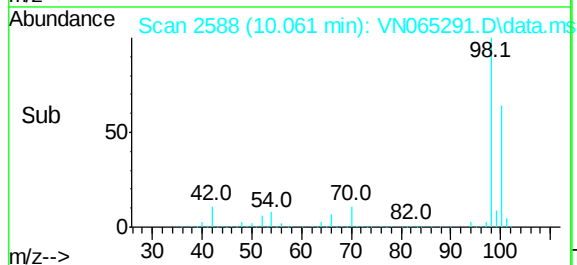
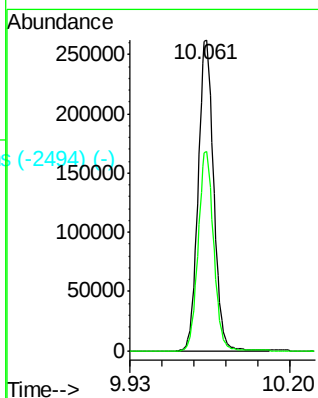


Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2R



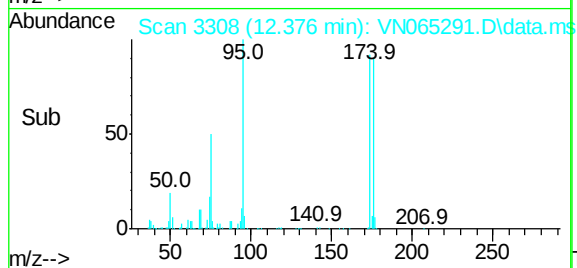
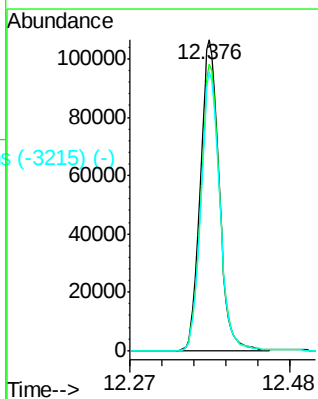
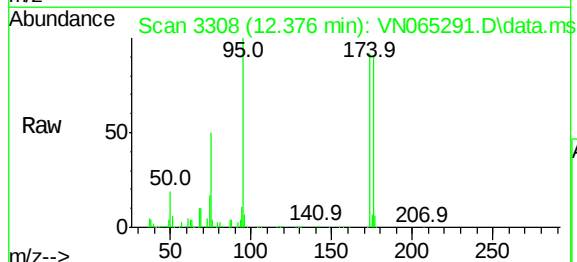
Tgt Ion: 98 Resp: 486980

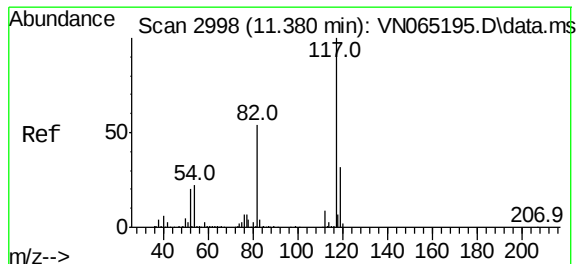
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 64.0  | 51.7  | 77.5  |



Tgt Ion: 95 Resp: 187138

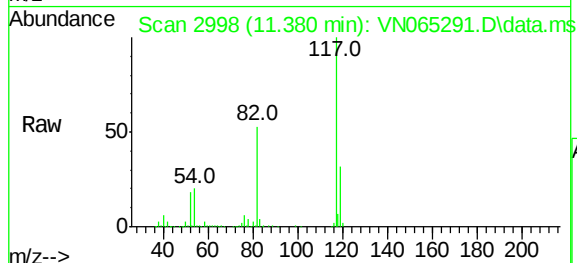
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 92.9  | 0.0   | 160.4 |
| 176 | 89.9  | 0.0   | 158.4 |



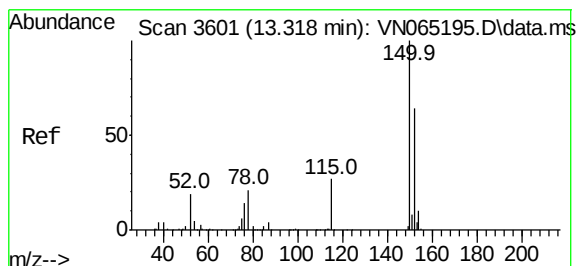
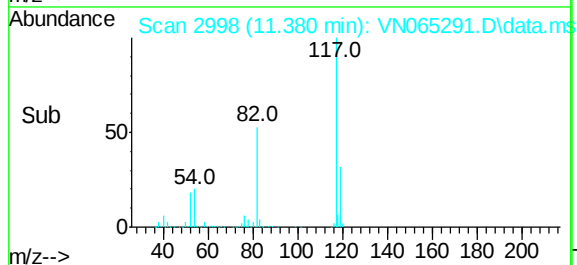
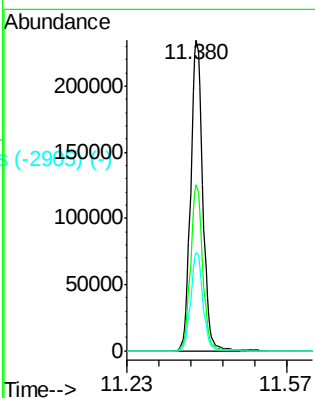


#693 (-)  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.380 min Scan# 2998  
Delta R.T. -0.000 min  
Lab File: VN065291.D  
Acq: 28 Dec 2020 17:20

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2R

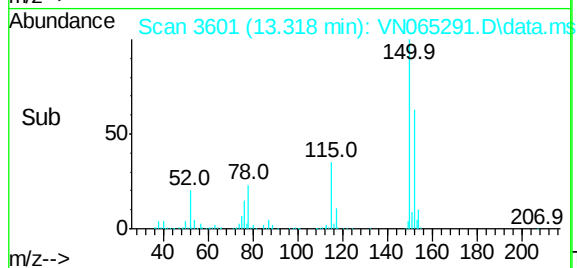
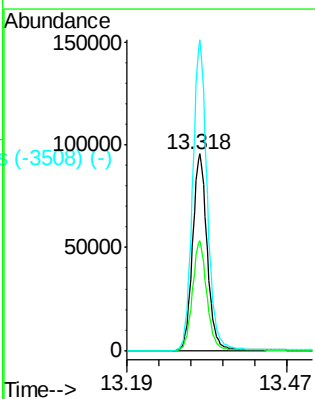
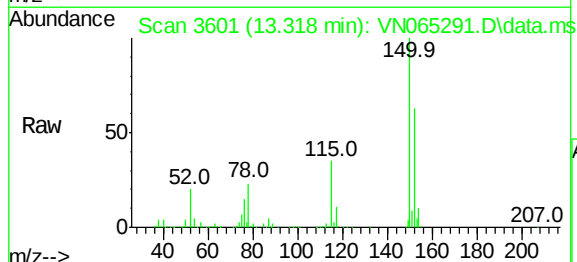


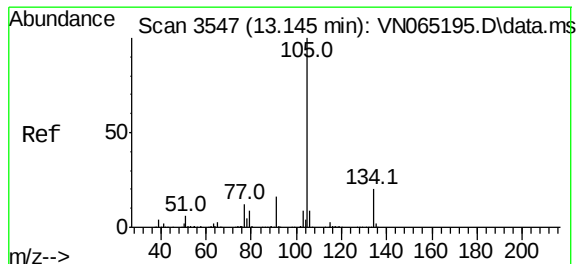
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 411675 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 53.3  | 44.2  | 66.2   |
| 119       | 31.8  | 25.8  | 38.6   |



#738 (-)  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.318 min Scan# 3601  
Delta R.T. 0.000 min  
Lab File: VN065291.D  
Acq: 28 Dec 2020 17:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 167550 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 55.1  | 29.7  | 89.1   |
| 150       | 158.0 | 0.0   | 350.6  |





#8532 (-)  
 sec-Butylbenzene  
 Concen: 0.65 ug/l  
 RT: 13.145 min Scan# 3547  
 Delta R.T. -0.000 min  
 Lab File: VN065291.D  
 Acq: 28 Dec 2020 17:20

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2R

Tgt Ion:105 Resp: 7942  
 Ion Ratio Lower Upper  
 105 100  
 134 30.7 10.1 30.1#

