

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022621\  
 Data File : VN066058.D  
 Acq On : 26 Feb 2021 17:53  
 Operator : JC/MD  
 Sample : M1488-07 20X  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 30779

Quant Time: Feb 26 23:36:10 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

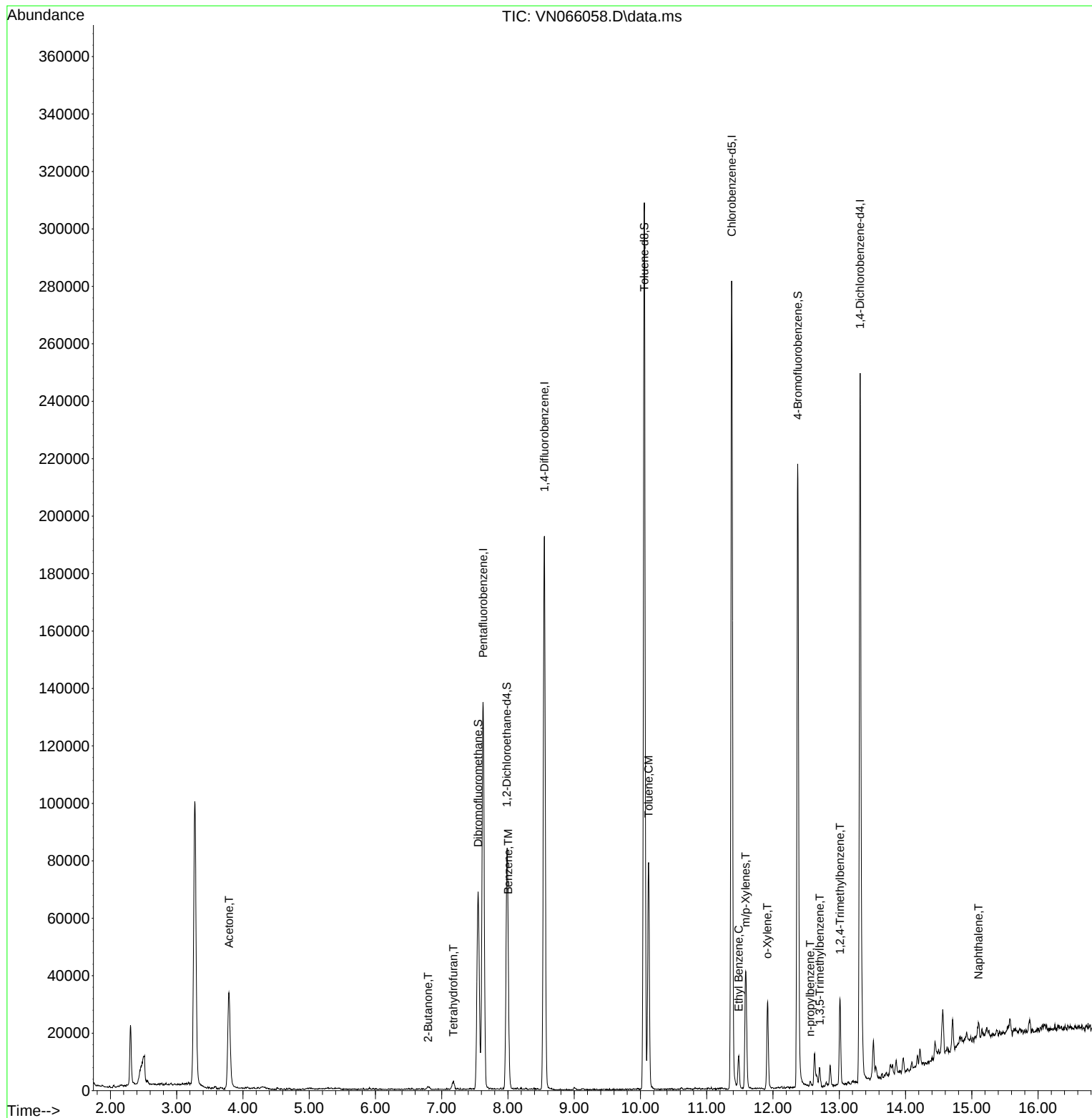
| Compound                    | R.T.           | QIon | Response           | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|--------------------|--------|--------|----------|
| -----                       |                |      |                    |        |        |          |
| Internal Standards          |                |      |                    |        |        |          |
| 1) Pentafluorobenzene       | 7.624          | 168  | 106940             | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.550          | 114  | 176204             | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.376         | 117  | 168540             | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.315         | 152  | 71392              | 50.00  | ug/l   | 0.00     |
|                             |                |      |                    |        |        |          |
| System Monitoring Compounds |                |      |                    |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 7.984          | 65   | 74798              | 50.02  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = 100.04% |        |        |          |
| 35) Dibromofluoromethane    | 7.550          | 113  | 53498              | 49.06  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = 98.12%  |        |        |          |
| 50) Toluene-d8              | 10.058         | 98   | 216858             | 48.44  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = 96.88%  |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.373         | 95   | 86036              | 51.20  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = 102.40% |        |        |          |
|                             |                |      |                    |        |        |          |
| Target Compounds            |                |      |                    |        | Qvalue |          |
| 16) Acetone                 | 3.788          | 43   | 58135              | 122.94 | ug/l   | 93       |
| 25) 2-Butanone              | 6.794          | 43   | 2214               | 2.99   | ug/l # | 86       |
| 29) Tetrahydrofuran         | 7.177          | 42   | 2031               | 3.99   | ug/l # | 77       |
| 40) Benzene                 | 8.003          | 78   | 8660               | 1.62   | ug/l # | 88       |
| 52) Toluene                 | 10.122         | 92   | 34530              | 10.55  | ug/l   | 96       |
| 67) Ethyl Benzene           | 11.482         | 91   | 8914               | 1.40   | ug/l   | 93       |
| 68) m/p-Xylenes             | 11.588         | 106  | 13584              | 5.71   | ug/l   | 87       |
| 69) o-Xylene                | 11.916         | 106  | 8787               | 3.83   | ug/l   | 94       |
| 78) n-propylbenzene         | 12.563         | 91   | 2004               | 0.30   | ug/l   | 84       |
| 80) 1,3,5-Trimethylbenzene  | 12.704         | 105  | 4178               | 0.84   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene  | 13.010         | 105  | 18226              | 3.67   | ug/l   | 97       |
| 95) Naphthalene             | 15.103         | 128  | 5337               | 4.27   | ug/l # | 93       |
| -----                       |                |      |                    |        |        |          |

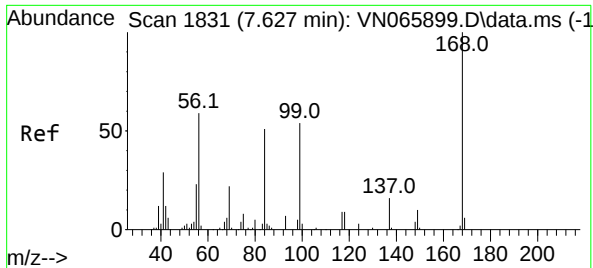
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022621\  
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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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Quant Time: Feb 26 23:36:10 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

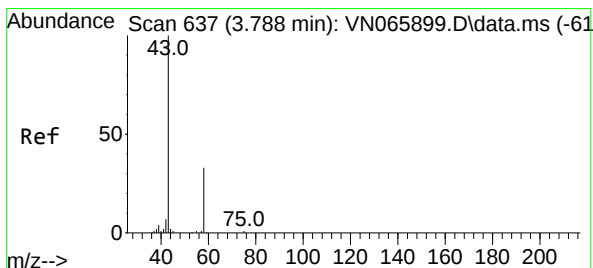
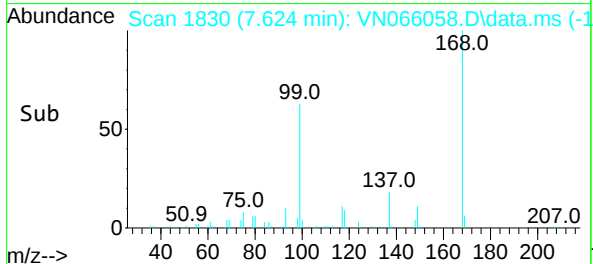
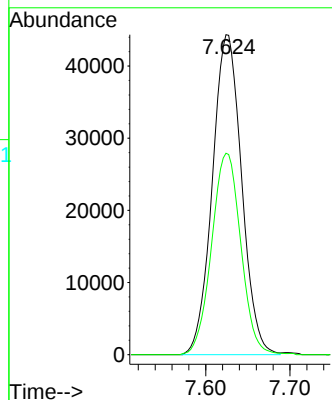
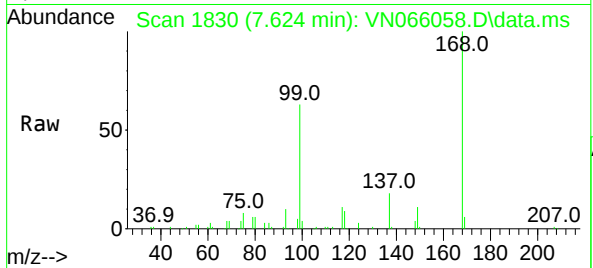




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.003 min  
Lab File: VN066058.D  
Acq: 26 Feb 2021 17:53

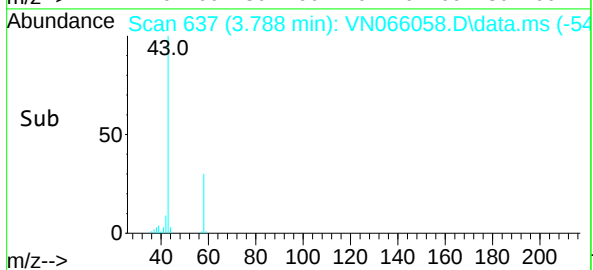
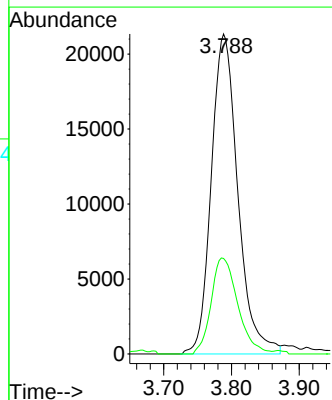
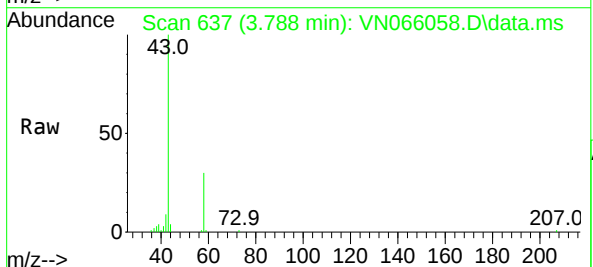
Instrument :  
MSVOA\_N  
ClientSampleId :  
30779

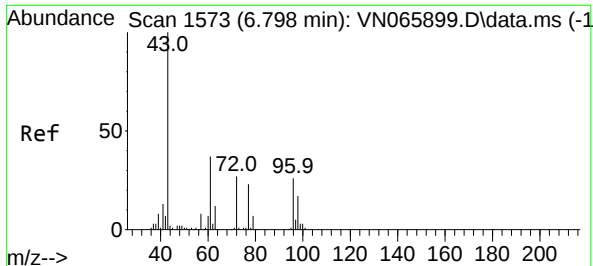
Tgt Ion:168 Resp: 106940  
Ion Ratio Lower Upper  
168 100  
99 62.9 42.6 63.8



#16  
Acetone  
Concen: 122.94 ug/l  
RT: 3.788 min Scan# 637  
Delta R.T. 0.000 min  
Lab File: VN066058.D  
Acq: 26 Feb 2021 17:53

Tgt Ion: 43 Resp: 58135  
Ion Ratio Lower Upper  
43 100  
58 29.8 27.0 40.6





#25

2-Butanone

Concen: 2.99 ug/l

RT: 6.794 min Scan# 1572

Delta R.T. -0.004 min

Lab File: VN066058.D

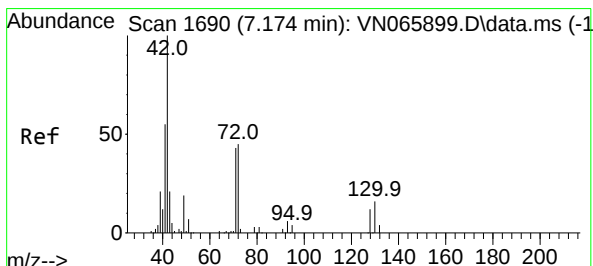
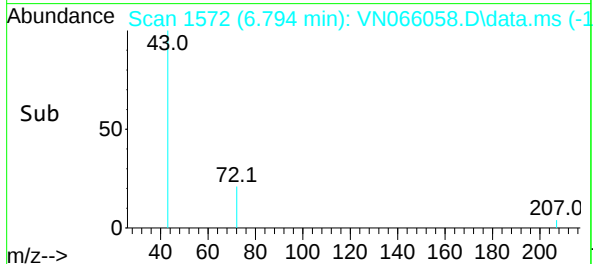
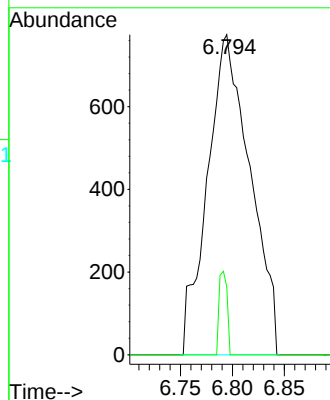
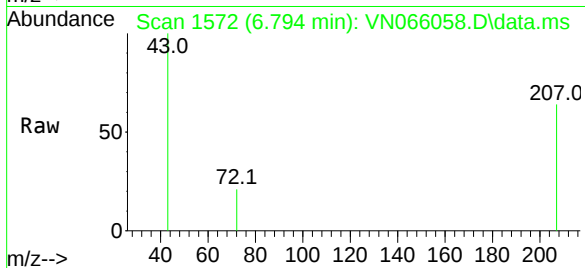
Acq: 26 Feb 2021 17:53

Tgt Ion: 43 Resp: 2214

Ion Ratio Lower Upper

43 100

72 21.2 23.1 34.7#



#29

Tetrahydrofuran

Concen: 3.99 ug/l

RT: 7.177 min Scan# 1691

Delta R.T. 0.003 min

Lab File: VN066058.D

Acq: 26 Feb 2021 17:53

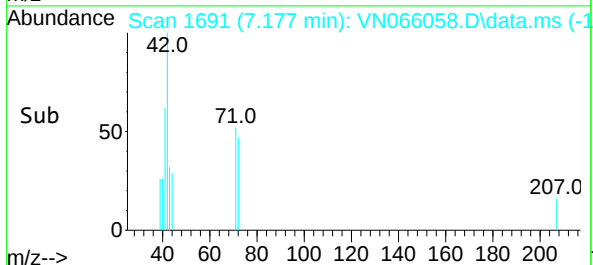
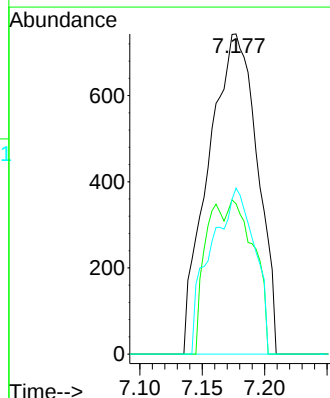
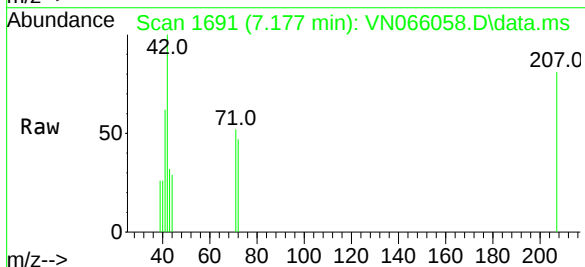
Tgt Ion: 42 Resp: 2031

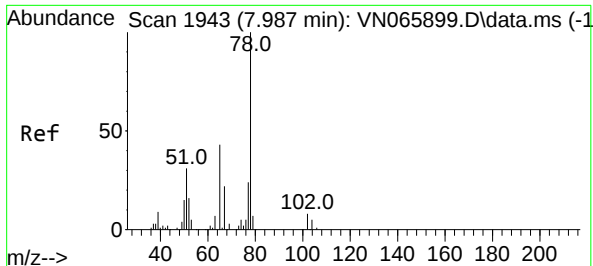
Ion Ratio Lower Upper

42 100

72 19.3 36.6 55.0#

71 46.3 34.3 51.5

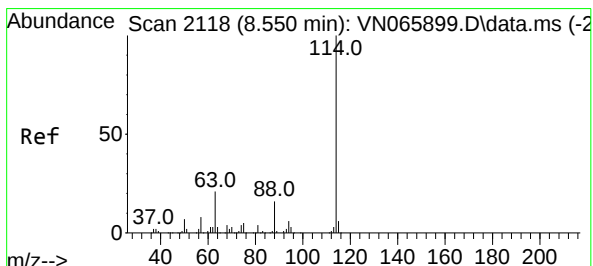
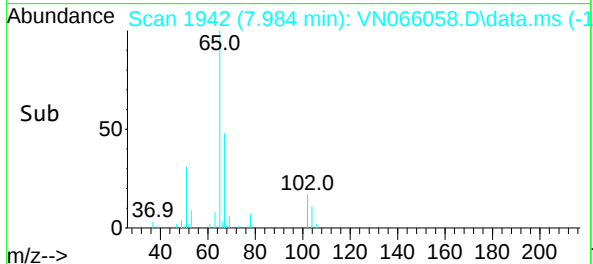
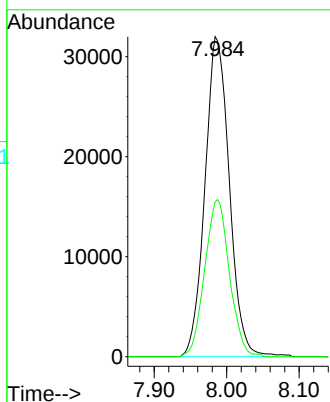
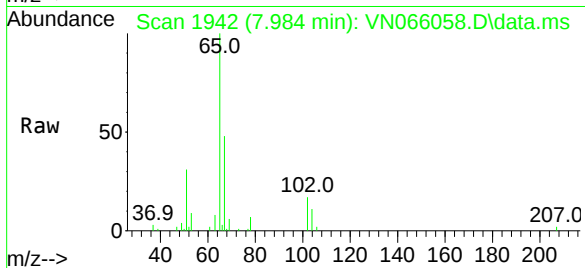




#33  
1,2-Dichloroethane-d4  
Concen: 50.02 ug/l  
RT: 7.984 min Scan# 1942  
Delta R.T. -0.003 min  
Lab File: VN066058.D  
Acq: 26 Feb 2021 17:53

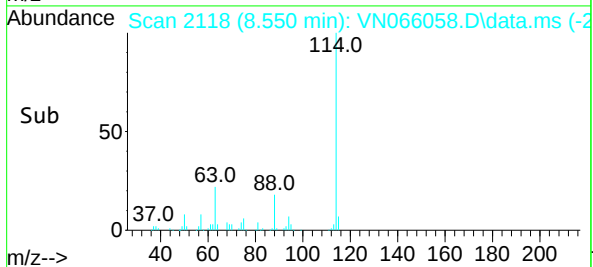
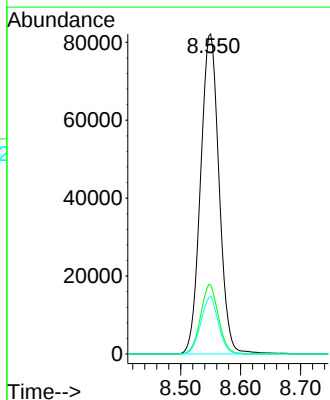
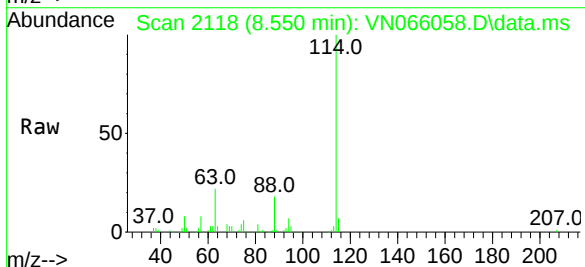
Instrument :  
MSVOA\_N  
ClientSampleId :  
30779

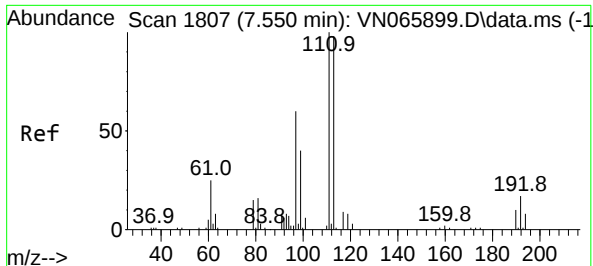
Tgt Ion: 65 Resp: 74798  
Ion Ratio Lower Upper  
65 100  
67 49.7 0.0 107.2



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. 0.000 min  
Lab File: VN066058.D  
Acq: 26 Feb 2021 17:53

Tgt Ion: 114 Resp: 176204  
Ion Ratio Lower Upper  
114 100  
63 21.6 0.0 38.6  
88 18.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.06 ug/l

RT: 7.550 min Scan# 1807

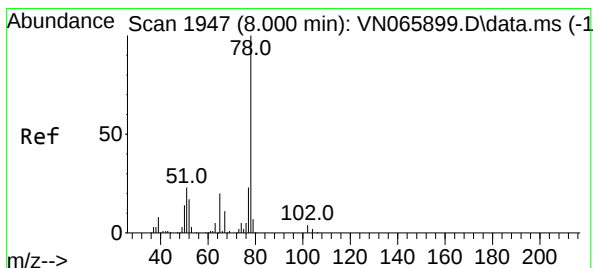
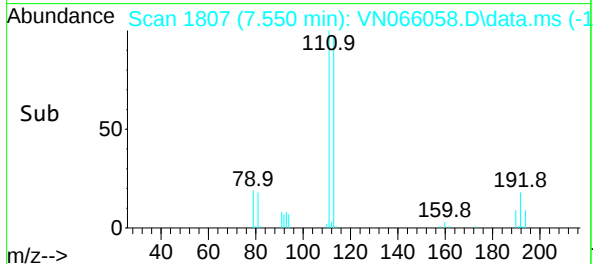
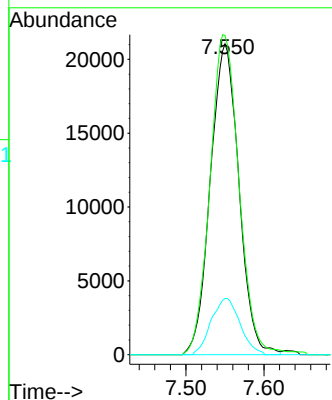
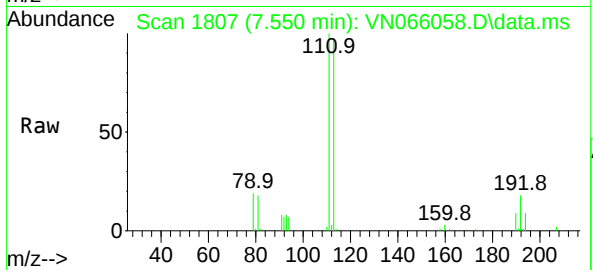
Delta R.T. 0.000 min

Lab File: VN066058.D

Acq: 26 Feb 2021 17:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 53498 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 105.1 | 82.2  | 123.2 |
| 192      | 18.3  | 15.4  | 23.0  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
30779



#40

Benzene

Concen: 1.62 ug/l

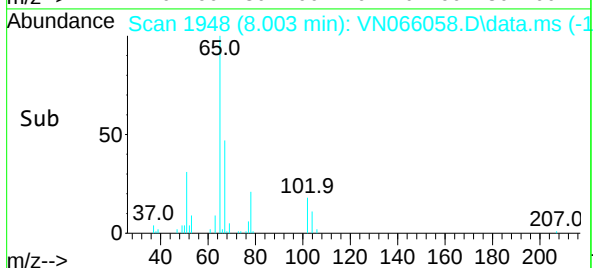
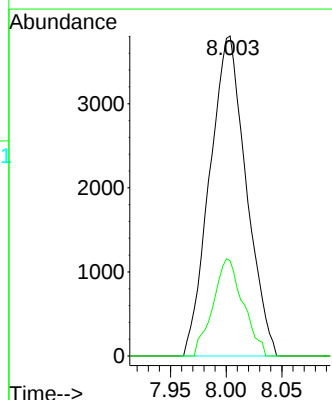
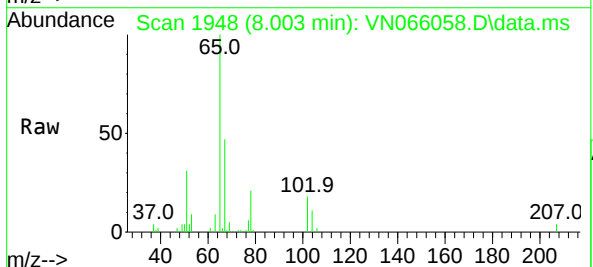
RT: 8.003 min Scan# 1948

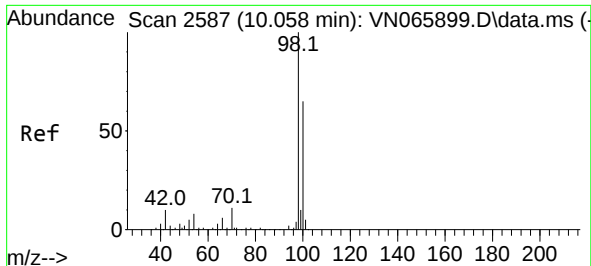
Delta R.T. 0.003 min

Lab File: VN066058.D

Acq: 26 Feb 2021 17:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 78    | Resp: | 8660  |
| Ion      | Ratio | Lower | Upper |
| 78       | 100   |       |       |
| 77       | 29.8  | 19.0  | 28.4# |

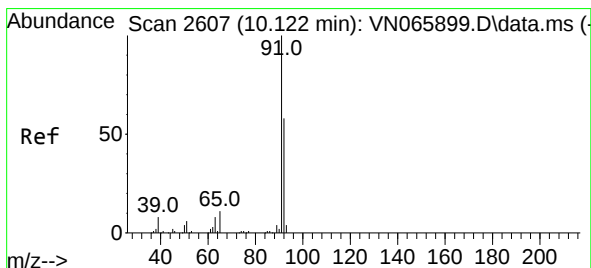
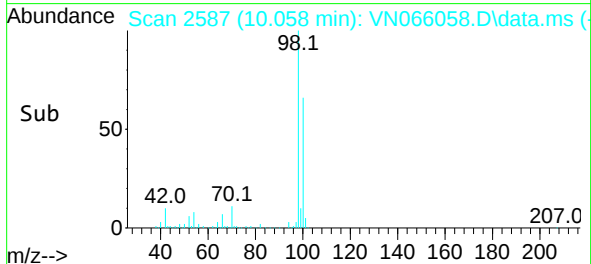
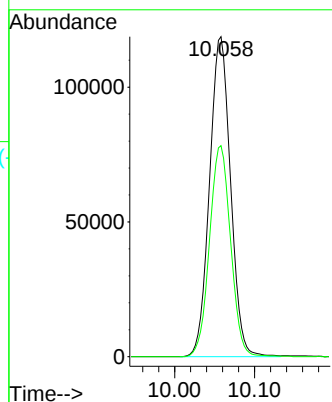
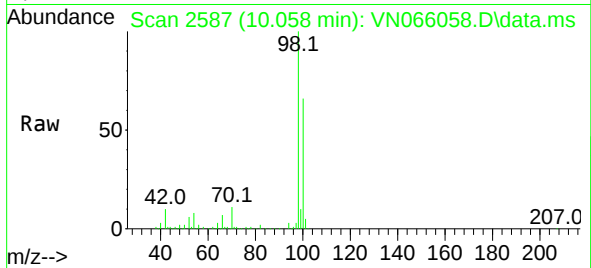




#50  
Toluene-d8  
Concen: 48.44 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. -0.000 min  
Lab File: VN066058.D  
Acq: 26 Feb 2021 17:53

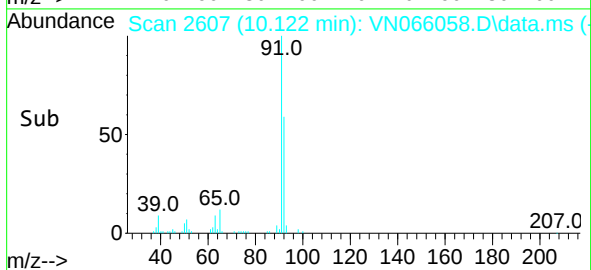
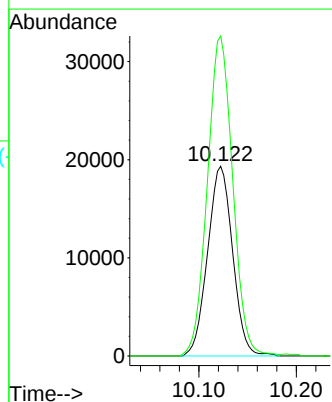
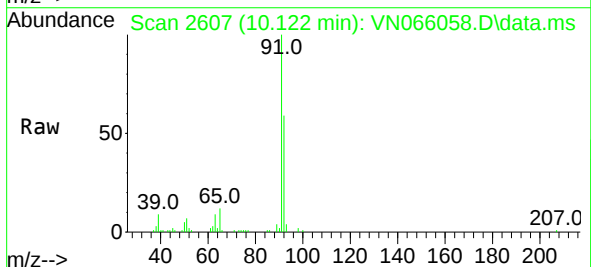
Instrument :  
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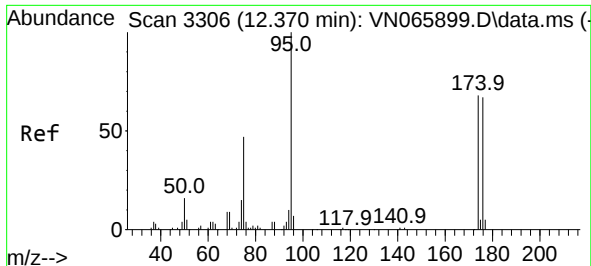
Tgt Ion: 98 Resp: 216858  
Ion Ratio Lower Upper  
98 100  
100 66.2 50.5 75.7



#52  
Toluene  
Concen: 10.55 ug/l  
RT: 10.122 min Scan# 2607  
Delta R.T. 0.000 min  
Lab File: VN066058.D  
Acq: 26 Feb 2021 17:53

Tgt Ion: 92 Resp: 34530  
Ion Ratio Lower Upper  
92 100  
91 170.6 140.7 211.1

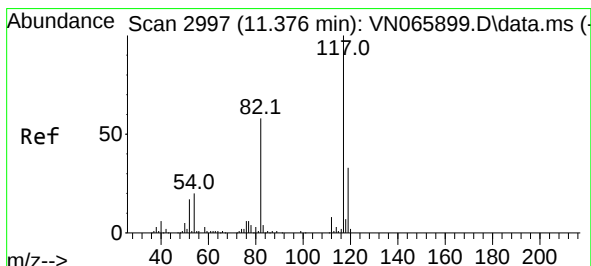
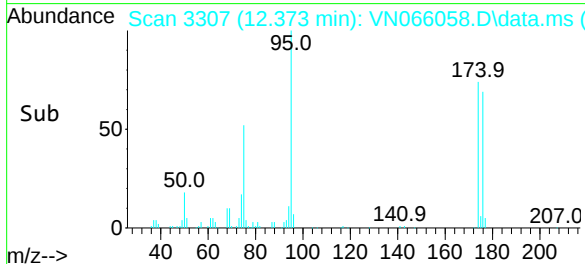
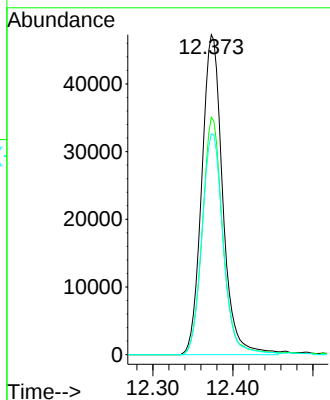
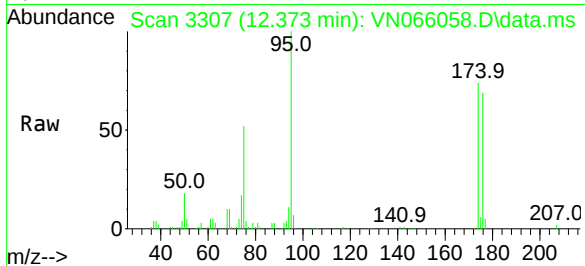




#62  
4-Bromofluorobenzene  
Concen: 51.20 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.003 min  
Lab File: VN066058.D  
Acq: 26 Feb 2021 17:53

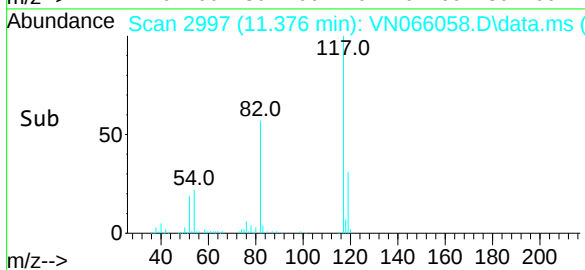
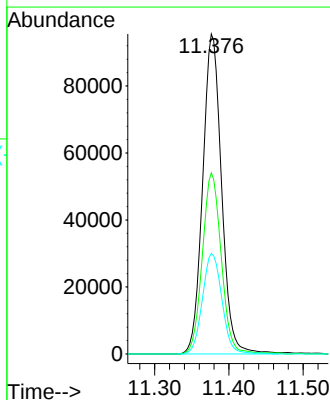
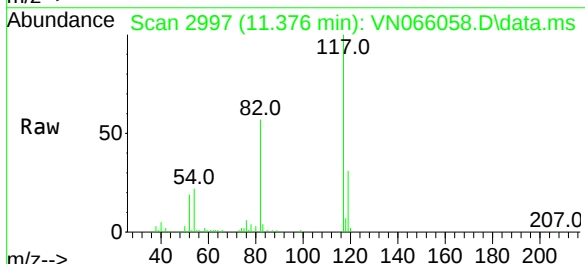
Instrument :  
MSVOA\_N  
ClientSampleId :  
30779

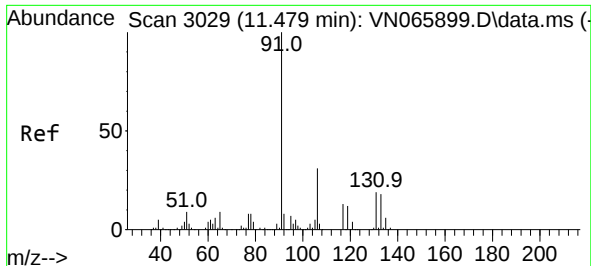
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 86036 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 72.4  | 0.0   | 169.0 |
| 176       | 70.2  | 0.0   | 162.4 |



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.376 min Scan# 2997  
Delta R.T. 0.000 min  
Lab File: VN066058.D  
Acq: 26 Feb 2021 17:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 168540 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 56.6  | 43.7  | 65.5   |
| 119       | 31.4  | 26.1  | 39.1   |

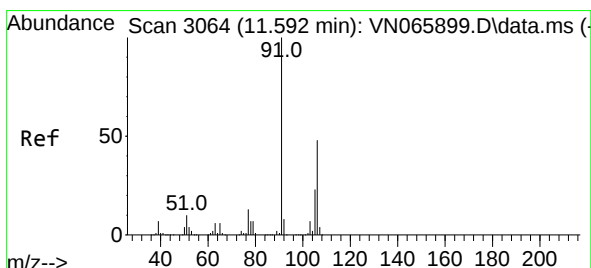
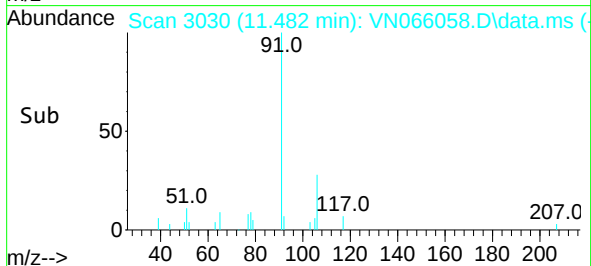
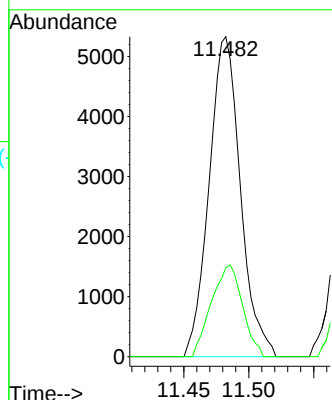
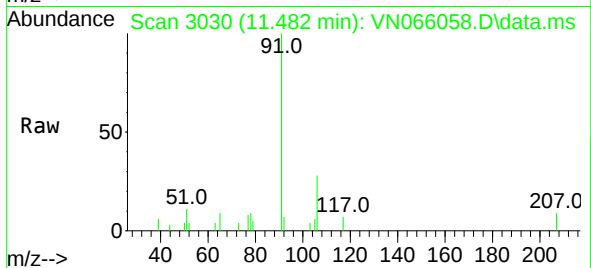




#67  
Ethyl Benzene  
Concen: 1.40 ug/l  
RT: 11.482 min Scan# 3030  
Delta R.T. 0.003 min  
Lab File: VN066058.D  
Acq: 26 Feb 2021 17:53

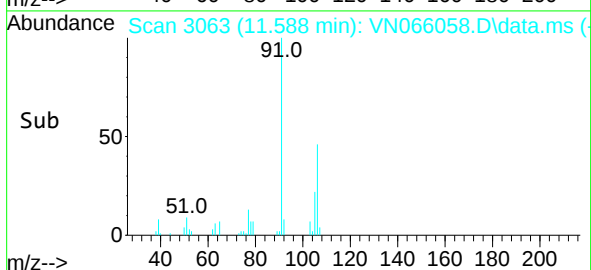
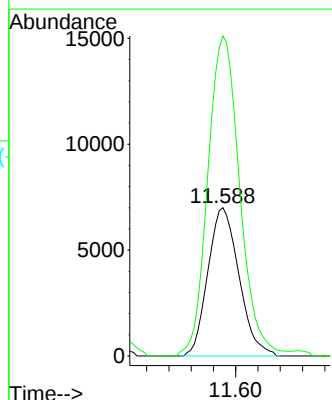
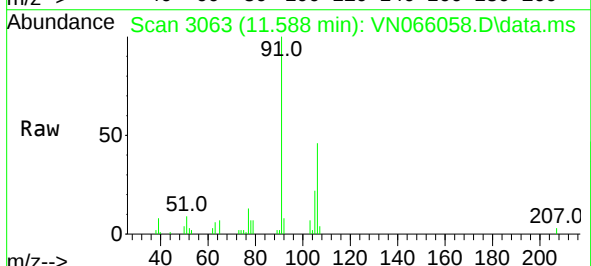
Instrument :  
MSVOA\_N  
ClientSampled :  
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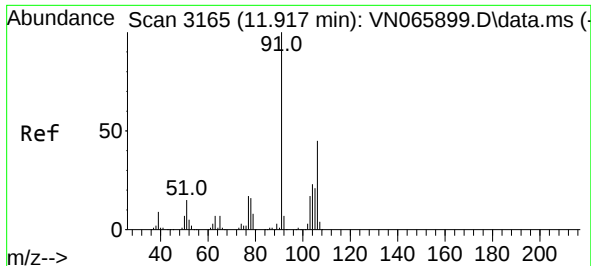
Tgt Ion: 91 Resp: 8914  
Ion Ratio Lower Upper  
91 100  
106 27.8 25.5 38.3



#68  
m/p-Xylenes  
Concen: 5.71 ug/l  
RT: 11.588 min Scan# 3063  
Delta R.T. -0.004 min  
Lab File: VN066058.D  
Acq: 26 Feb 2021 17:53

Tgt Ion: 106 Resp: 13584  
Ion Ratio Lower Upper  
106 100  
91 221.6 161.4 242.0

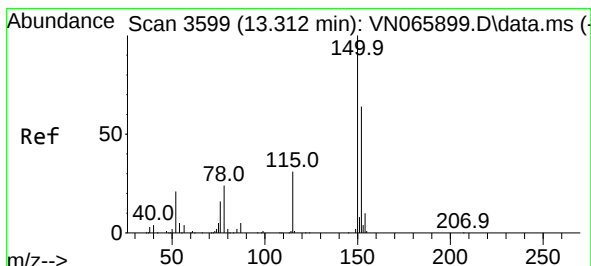
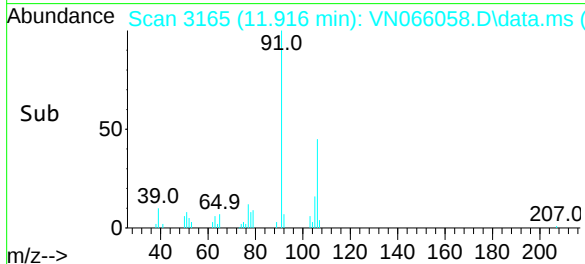
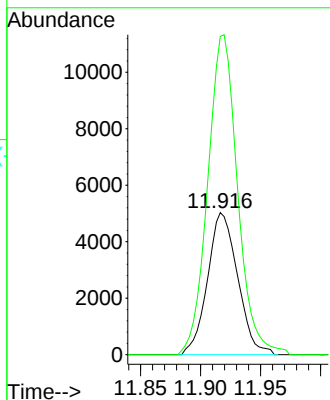
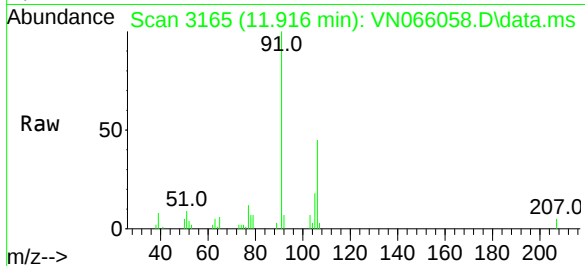




#69  
o-Xylene  
Concen: 3.83 ug/l  
RT: 11.916 min Scan# 3165  
Delta R.T. -0.001 min  
Lab File: VN066058.D  
Acq: 26 Feb 2021 17:53

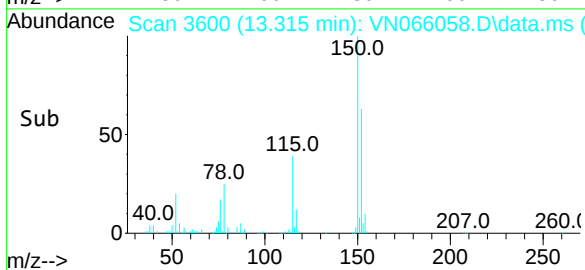
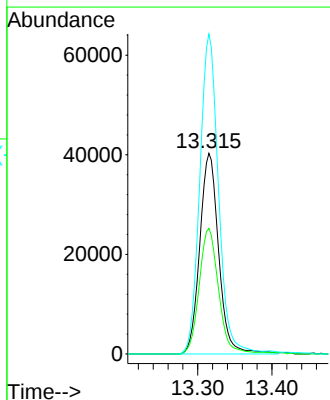
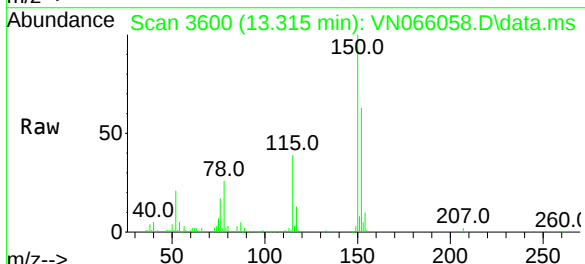
Instrument :  
MSVOA\_N  
ClientSampled :  
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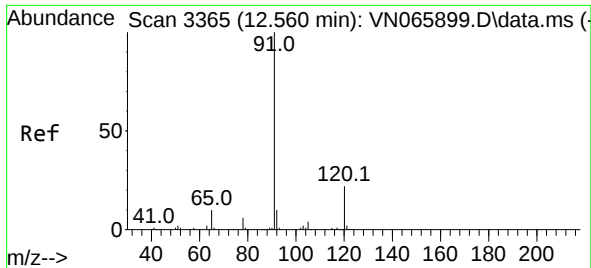
Tgt Ion:106 Resp: 8787  
Ion Ratio Lower Upper  
106 100  
91 223.5 106.8 320.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.315 min Scan# 3600  
Delta R.T. 0.003 min  
Lab File: VN066058.D  
Acq: 26 Feb 2021 17:53

Tgt Ion:152 Resp: 71392  
Ion Ratio Lower Upper  
152 100  
115 63.5 28.5 85.6  
150 157.1 0.0 347.6

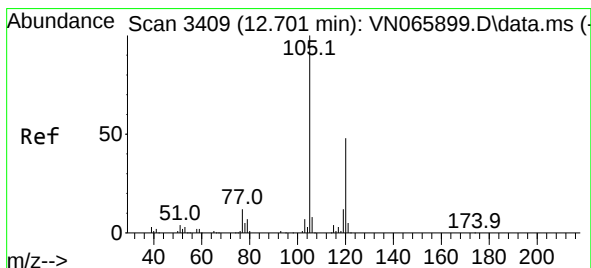
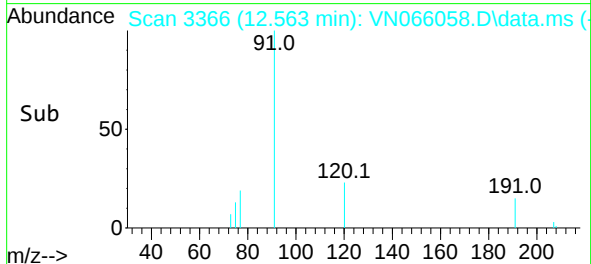
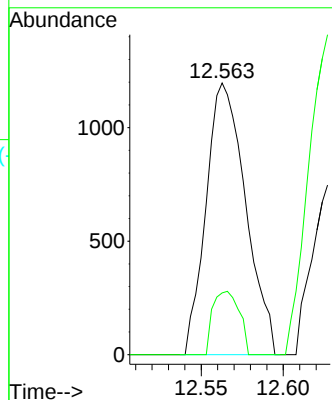
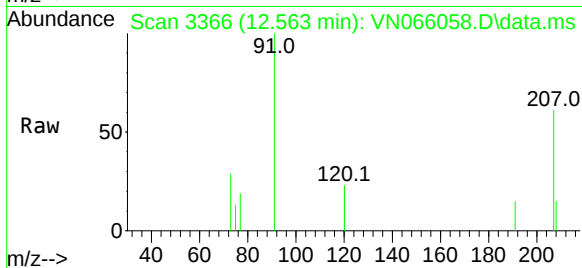




#78  
n-propylbenzene  
Concen: 0.30 ug/l  
RT: 12.563 min Scan# 3366  
Delta R.T. 0.003 min  
Lab File: VN066058.D  
Acq: 26 Feb 2021 17:53

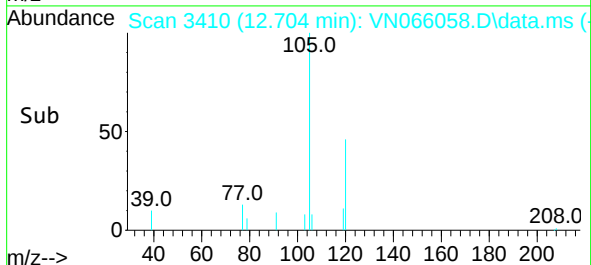
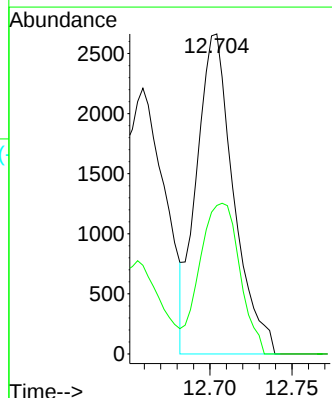
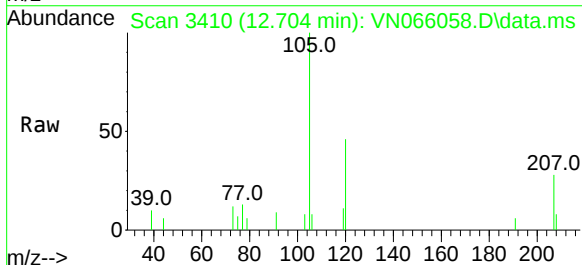
Instrument :  
MSVOA\_N  
ClientSampled :  
30779

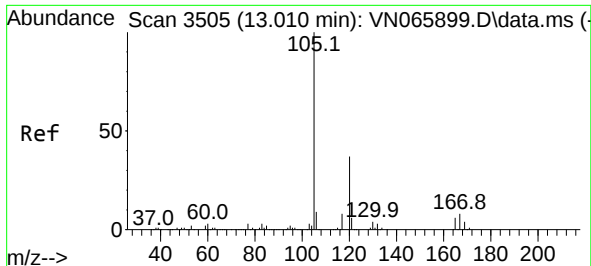
Tgt Ion: 91 Resp: 2004  
Ion Ratio Lower Upper  
91 100  
120 15.6 11.8 35.3



#80  
1,3,5-Trimethylbenzene  
Concen: 0.84 ug/l  
RT: 12.704 min Scan# 3410  
Delta R.T. 0.003 min  
Lab File: VN066058.D  
Acq: 26 Feb 2021 17:53

Tgt Ion: 105 Resp: 4178  
Ion Ratio Lower Upper  
105 100  
120 51.0 24.3 72.8

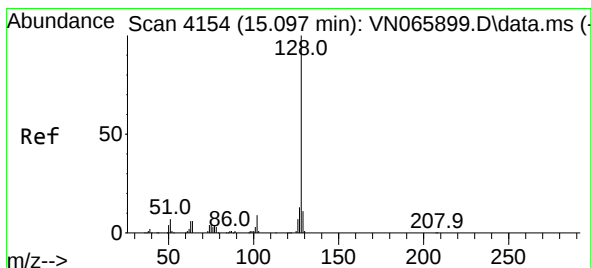
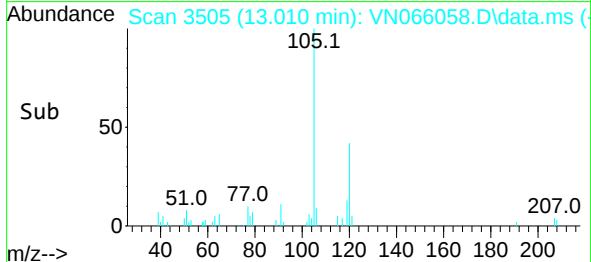
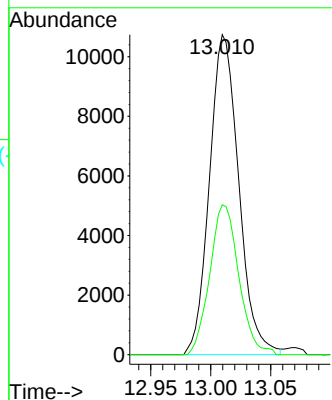
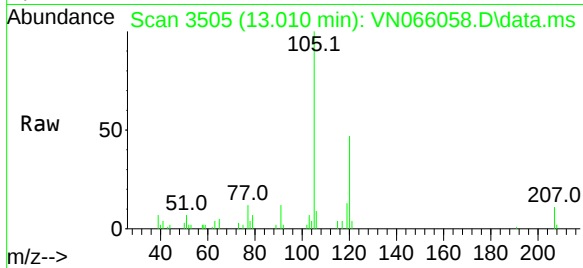




#84  
1,2,4-Trimethylbenzene  
Concen: 3.67 ug/l  
RT: 13.010 min Scan# 3505  
Delta R.T. -0.000 min  
Lab File: VN066058.D  
Acq: 26 Feb 2021 17:53

Instrument :  
MSVOA\_N  
ClientSampled :  
30779

Tgt Ion:105 Resp: 18226  
Ion Ratio Lower Upper  
105 100  
120 46.4 22.4 67.0



#95  
Naphthalene  
Concen: 4.27 ug/l  
RT: 15.103 min Scan# 4156  
Delta R.T. 0.006 min  
Lab File: VN066058.D  
Acq: 26 Feb 2021 17:53

Tgt Ion:128 Resp: 5337  
Ion Ratio Lower Upper  
128 100  
127 8.9 10.2 15.2#  
129 9.7 8.6 13.0

