

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042821\  
 Data File : VN066806.D  
 Acq On : 28 Apr 2021 12:47  
 Operator : JC/MD  
 Sample : M2136-04 10X  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 31075-76

Quant Time: Apr 29 04:28:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 27 16:02:50 2021  
 Response via : Initial Calibration

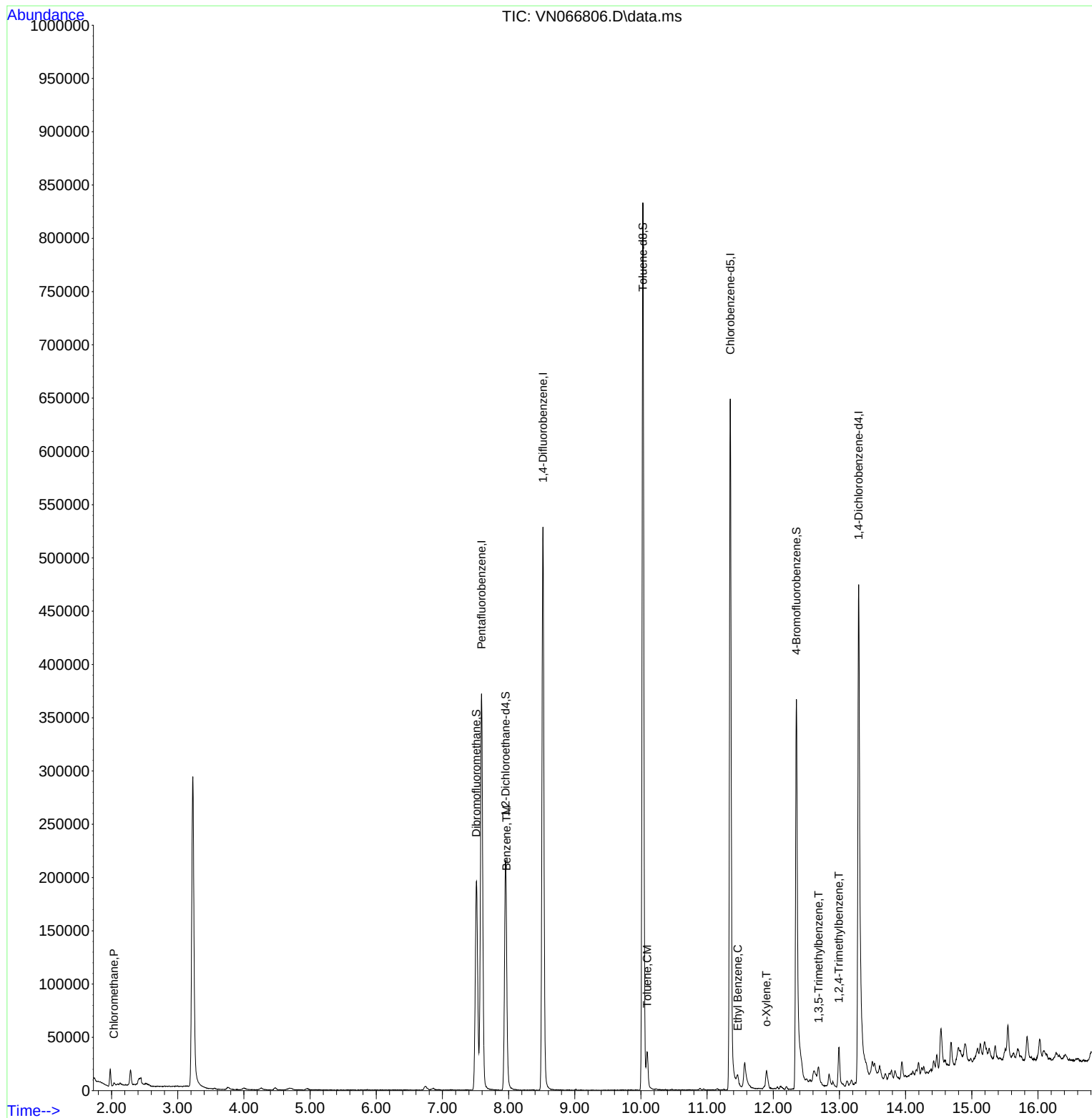
| Compound                    | R.T.           | QIon | Response           | Conc  | Units | Dev(Min) |
|-----------------------------|----------------|------|--------------------|-------|-------|----------|
| -----                       |                |      |                    |       |       |          |
| Internal Standards          |                |      |                    |       |       |          |
| 1) Pentafluorobenzene       | 7.591          | 168  | 333401             | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.519          | 114  | 505175             | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.351         | 117  | 431462             | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.290         | 152  | 196195             | 50.00 | ug/l  | 0.00     |
|                             |                |      |                    |       |       |          |
| System Monitoring Compounds |                |      |                    |       |       |          |
| 33) 1,2-Dichloroethane-d4   | 7.953          | 65   | 182693             | 42.65 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = 85.30%  |       |       |          |
| 35) Dibromofluoromethane    | 7.513          | 113  | 157729             | 50.58 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = 101.16% |       |       |          |
| 50) Toluene-d8              | 10.029         | 98   | 604178             | 49.36 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = 98.72%  |       |       |          |
| 62) 4-Bromofluorobenzene    | 12.349         | 95   | 180263             | 43.53 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = 87.06%  |       |       |          |
|                             |                |      |                    |       |       |          |
| Target Compounds            |                |      |                    |       |       | Qvalue   |
| 3) Chloromethane            | 2.034          | 50   | 1680               | 0.35  | ug/l  | 96       |
| 40) Benzene                 | 7.966          | 78   | 7005               | 0.48  | ug/l  | 96       |
| 52) Toluene                 | 10.096         | 92   | 14150              | 1.61  | ug/l  | 99       |
| 67) Ethyl Benzene           | 11.464         | 91   | 9139               | 0.60  | ug/l  | 96       |
| 69) o-Xylene                | 11.896         | 106  | 7040               | 1.26  | ug/l  | 97       |
| 80) 1,3,5-Trimethylbenzene  | 12.684         | 105  | 8579               | 0.71  | ug/l  | 91       |
| 84) 1,2,4-Trimethylbenzene  | 12.992         | 105  | 24700              | 2.16  | ug/l  | 95       |
| -----                       |                |      |                    |       |       |          |

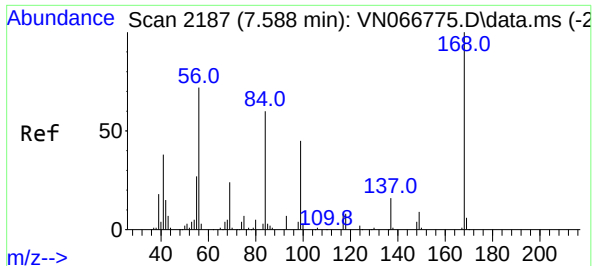
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M2136-04 10X  
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Instrument :  
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ClientSampleId :  
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Quant Time: Apr 29 04:28:52 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042721W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 27 16:02:50 2021  
Response via : Initial Calibration

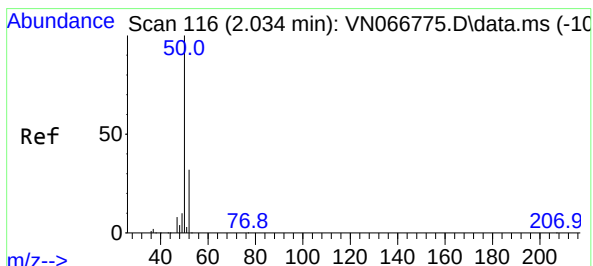
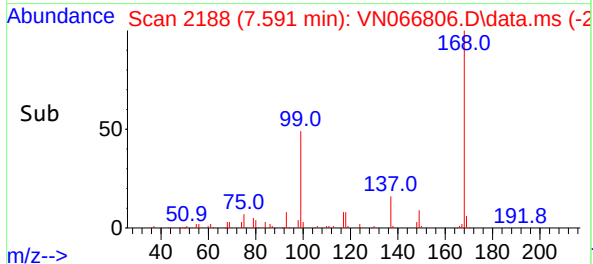
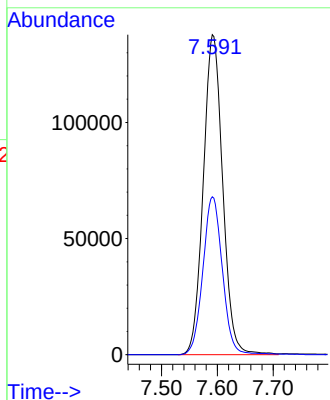
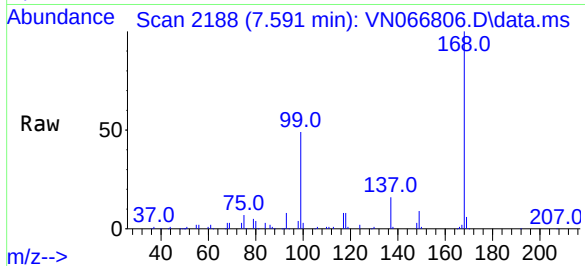




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.591 min Scan# 2188  
Delta R.T. 0.003 min  
Lab File: VN066806.D  
Acq: 28 Apr 2021 12:47

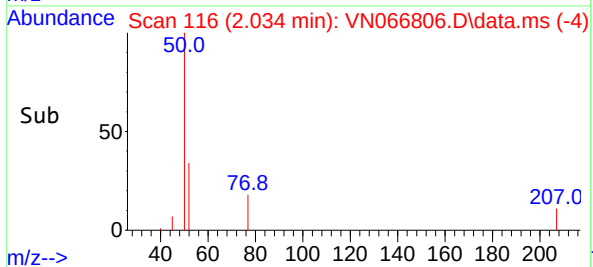
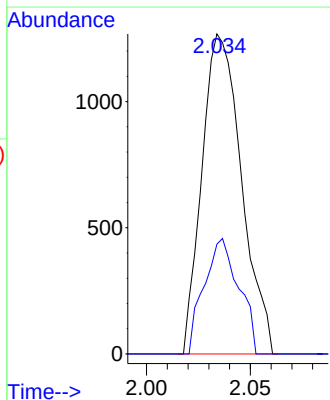
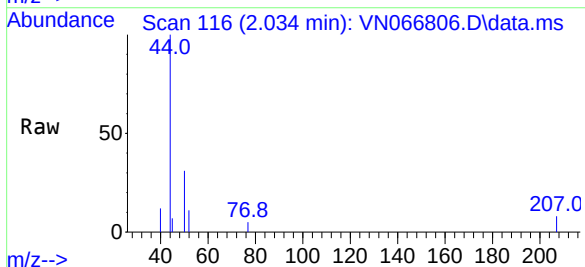
Instrument :  
MSVOA\_N  
ClientSampled :  
31075-76

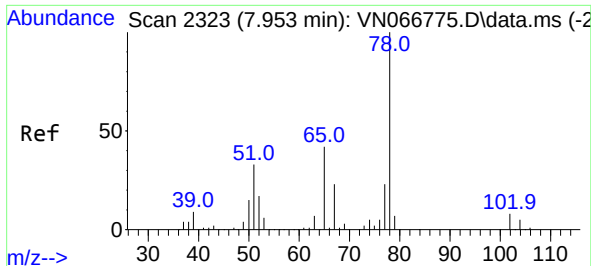
Tgt Ion:168 Resp: 333401  
Ion Ratio Lower Upper  
168 100  
99 49.3 42.6 63.8



#3  
Chloromethane  
Concen: 0.35 ug/l  
RT: 2.034 min Scan# 116  
Delta R.T. -0.000 min  
Lab File: VN066806.D  
Acq: 28 Apr 2021 12:47

Tgt Ion: 50 Resp: 1680  
Ion Ratio Lower Upper  
50 100  
52 34.3 25.8 38.8

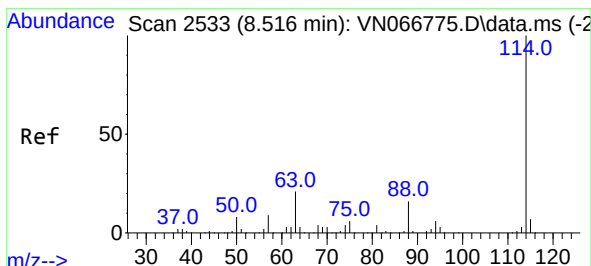
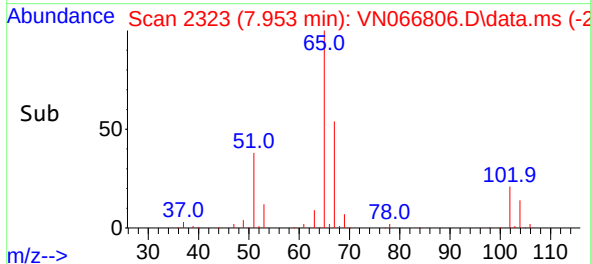
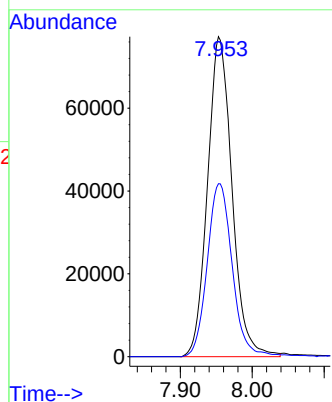
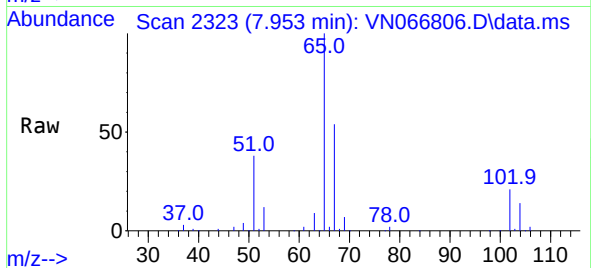




#33  
1,2-Dichloroethane-d4  
Concen: 42.65 ug/l  
RT: 7.953 min Scan# 2323  
Delta R.T. 0.000 min  
Lab File: VN066806.D  
Acq: 28 Apr 2021 12:47

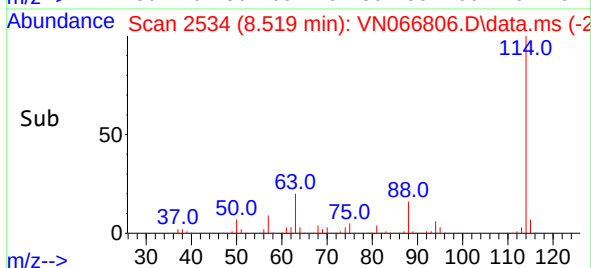
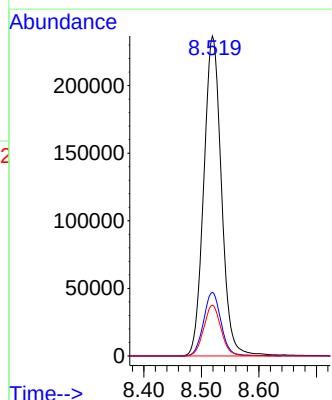
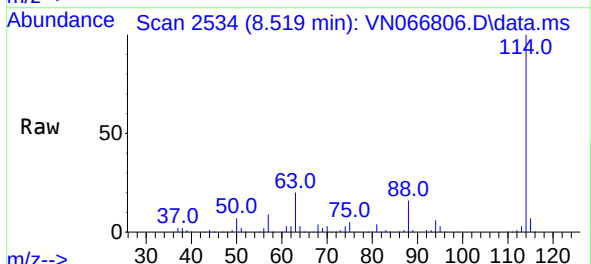
Instrument :  
MSVOA\_N  
ClientSampled :  
31075-76

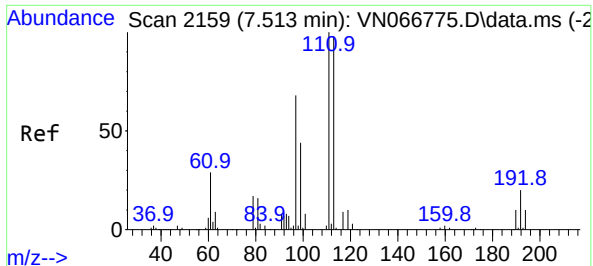
Tgt Ion: 65 Resp: 182693  
Ion Ratio Lower Upper  
65 100  
67 55.7 0.0 107.2



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.519 min Scan# 2534  
Delta R.T. 0.003 min  
Lab File: VN066806.D  
Acq: 28 Apr 2021 12:47

Tgt Ion: 114 Resp: 505175  
Ion Ratio Lower Upper  
114 100  
63 19.9 0.0 38.6  
88 15.9 0.0 30.6



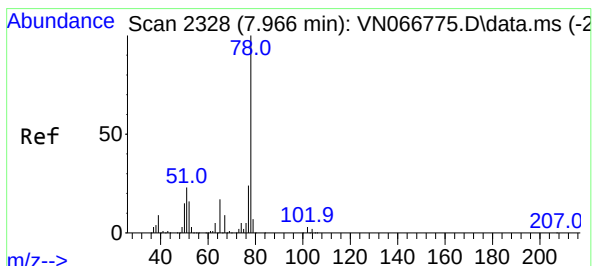
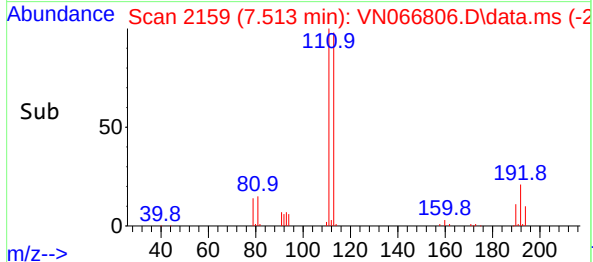
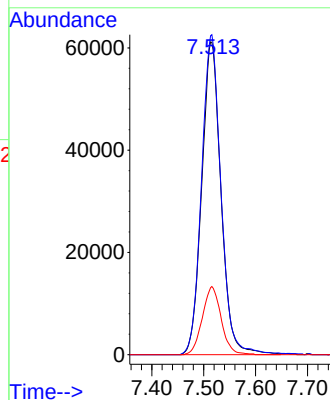
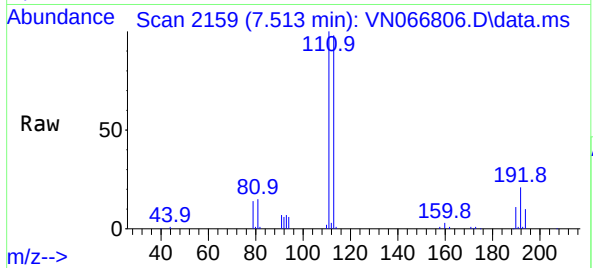


#35  
Dibromofluoromethane  
Concen: 50.58 ug/l  
RT: 7.513 min Scan# 2159  
Delta R.T. 0.000 min  
Lab File: VN066806.D  
Acq: 28 Apr 2021 12:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
31075-76

Tgt Ion:113 Resp: 157729

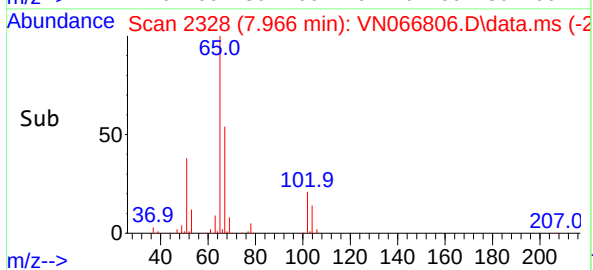
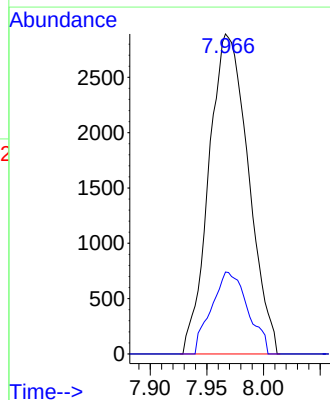
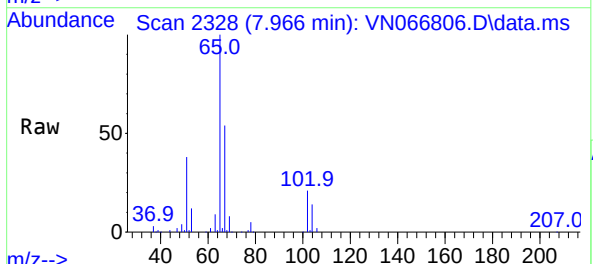
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.8 | 82.2  | 123.2 |
| 192 | 21.3  | 15.4  | 23.0  |

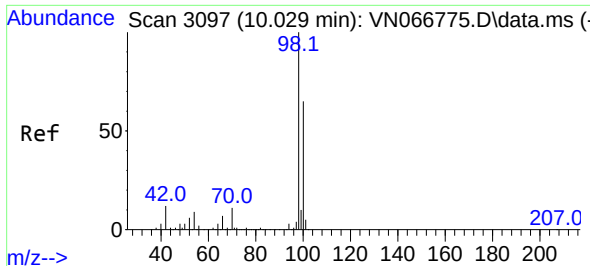


#40  
Benzene  
Concen: 0.48 ug/l  
RT: 7.966 min Scan# 2328  
Delta R.T. 0.000 min  
Lab File: VN066806.D  
Acq: 28 Apr 2021 12:47

Tgt Ion: 78 Resp: 7005

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 25.6  | 19.0  | 28.4  |

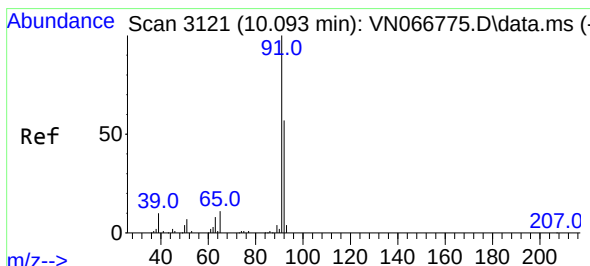
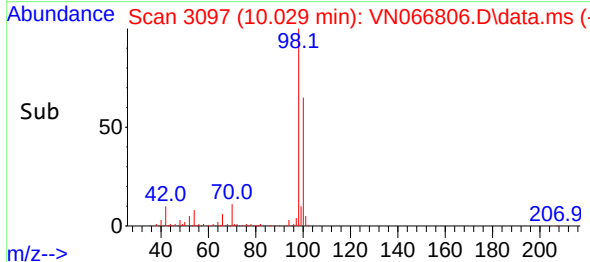
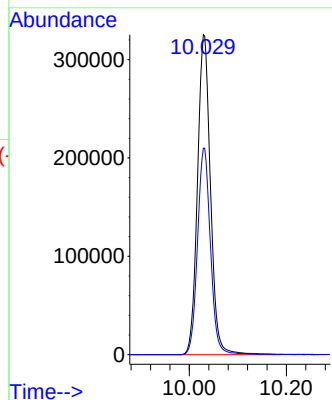
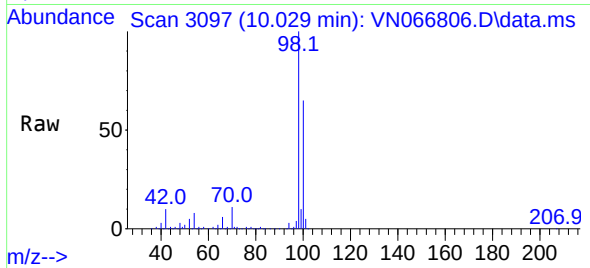




#50  
Toluene-d8  
Concen: 49.36 ug/l  
RT: 10.029 min Scan# 3097  
Delta R.T. -0.000 min  
Lab File: VN066806.D  
Acq: 28 Apr 2021 12:47

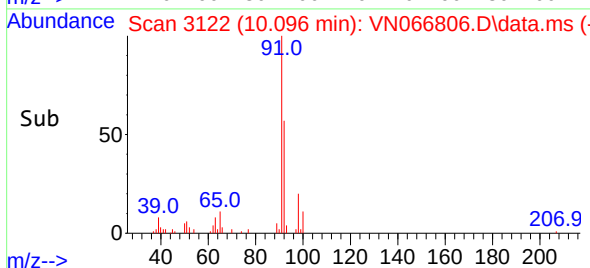
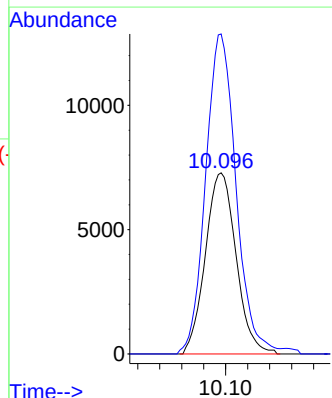
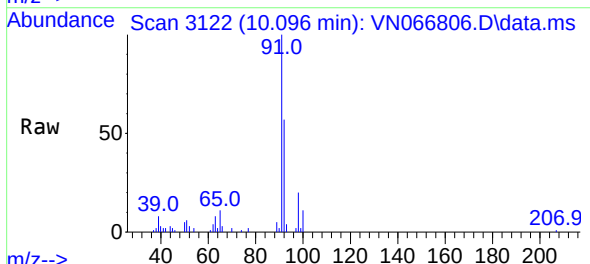
Instrument :  
MSVOA\_N  
ClientSampled :  
31075-76

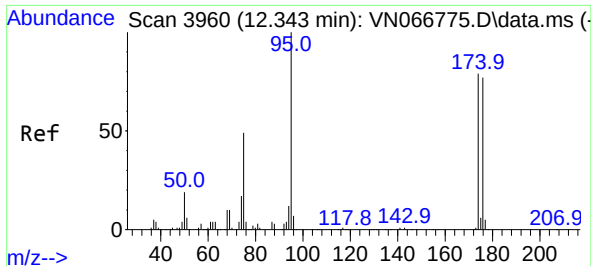
Tgt Ion: 98 Resp: 604178  
Ion Ratio Lower Upper  
98 100  
100 64.3 50.5 75.7



#52  
Toluene  
Concen: 1.61 ug/l  
RT: 10.096 min Scan# 3122  
Delta R.T. 0.003 min  
Lab File: VN066806.D  
Acq: 28 Apr 2021 12:47

Tgt Ion: 92 Resp: 14150  
Ion Ratio Lower Upper  
92 100  
91 174.5 140.7 211.1



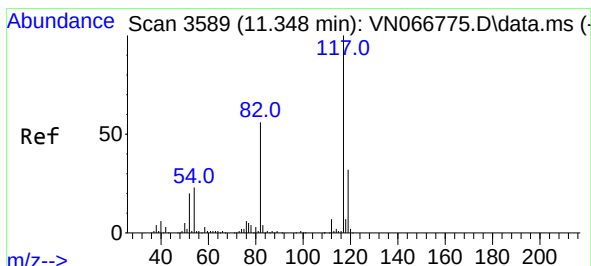
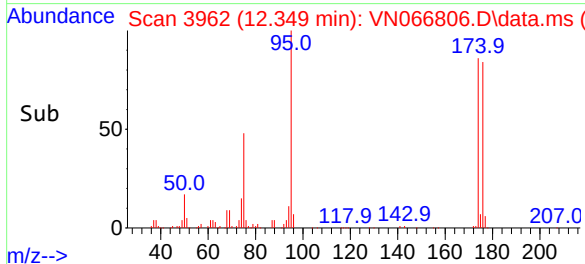
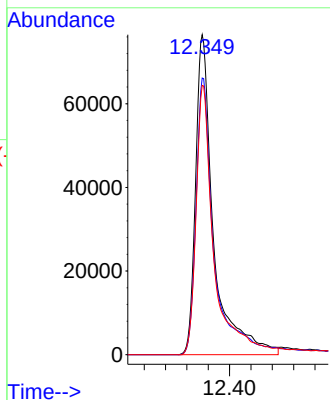
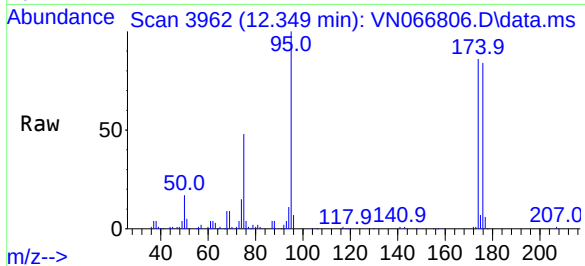


#62  
4-Bromofluorobenzene  
Concen: 43.53 ug/l  
RT: 12.349 min Scan# 3962  
Delta R.T. 0.006 min  
Lab File: VN066806.D  
Acq: 28 Apr 2021 12:47

Instrument :  
MSVOA\_N  
ClientSampled :  
31075-76

Tgt Ion: 95 Resp: 180263

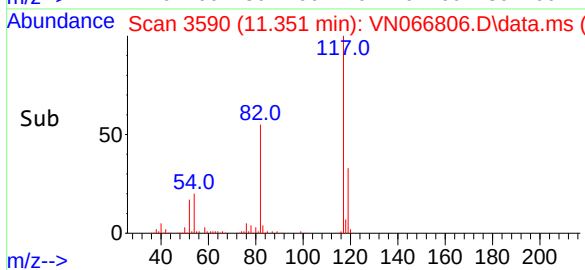
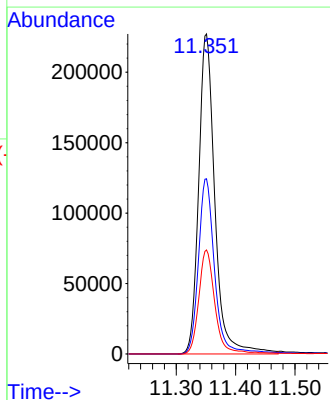
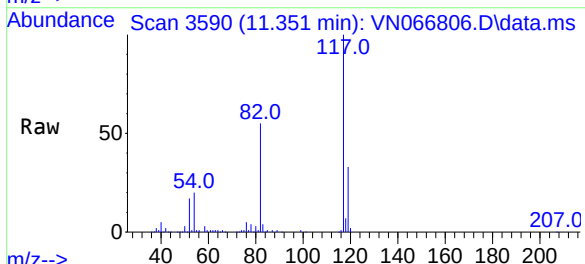
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 86.8  | 0.0   | 169.0 |
| 176 | 83.3  | 0.0   | 162.4 |

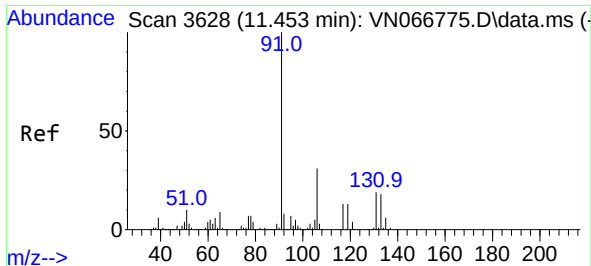


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.351 min Scan# 3590  
Delta R.T. 0.003 min  
Lab File: VN066806.D  
Acq: 28 Apr 2021 12:47

Tgt Ion: 117 Resp: 431462

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 54.8  | 43.7  | 65.5  |
| 119 | 32.5  | 26.1  | 39.1  |

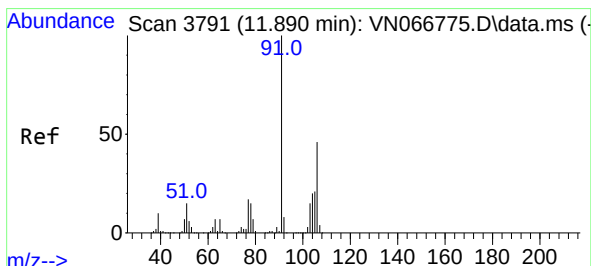
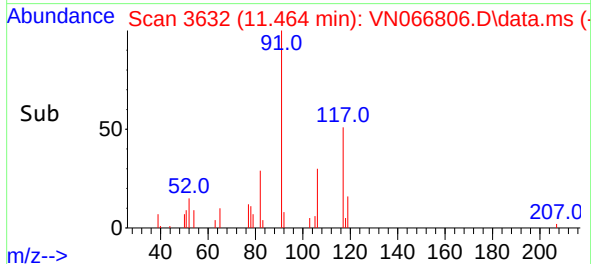
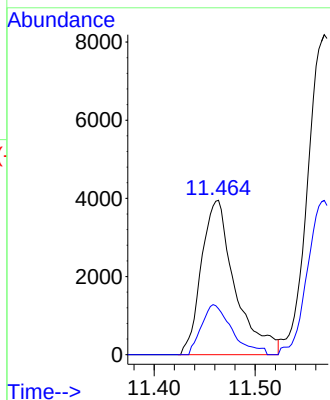
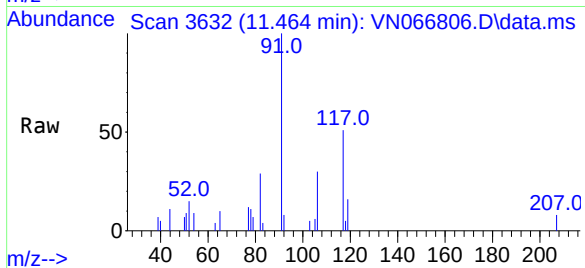




#67  
Ethyl Benzene  
Concen: 0.60 ug/l  
RT: 11.464 min Scan# 3632  
Delta R.T. 0.011 min  
Lab File: VN066806.D  
Acq: 28 Apr 2021 12:47

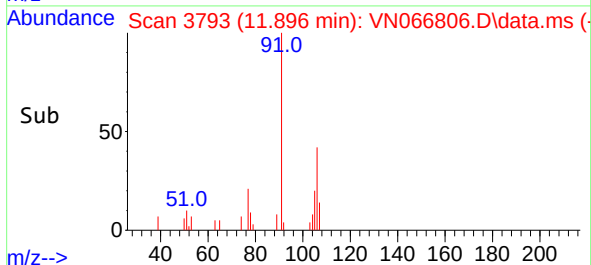
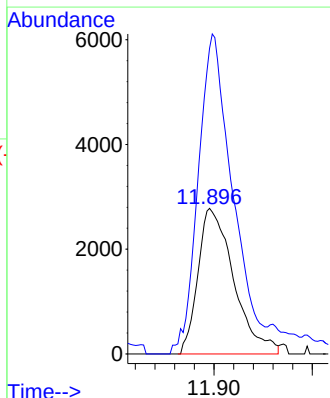
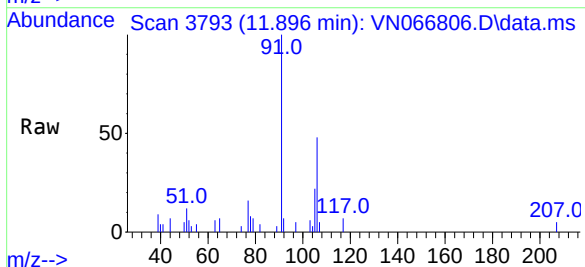
Instrument :  
MSVOA\_N  
ClientSampled :  
31075-76

Tgt Ion: 91 Resp: 9139  
Ion Ratio Lower Upper  
91 100  
106 29.8 25.5 38.3

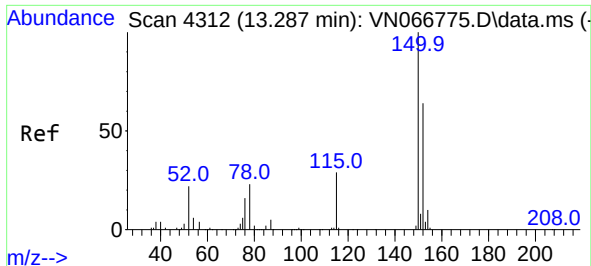


#69  
o-Xylene  
Concen: 1.26 ug/l  
RT: 11.896 min Scan# 3793  
Delta R.T. 0.005 min  
Lab File: VN066806.D  
Acq: 28 Apr 2021 12:47

Tgt Ion: 106 Resp: 7040  
Ion Ratio Lower Upper  
106 100  
91 209.3 106.8 320.4



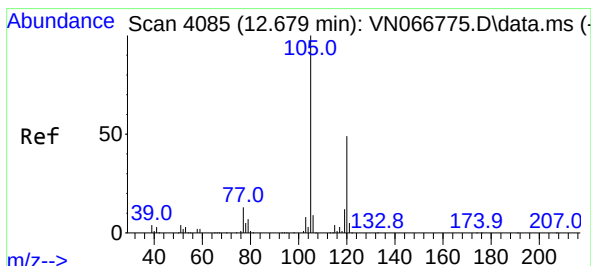
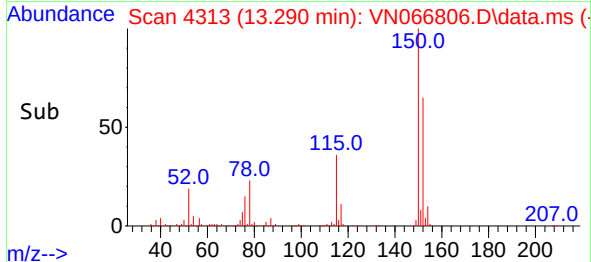
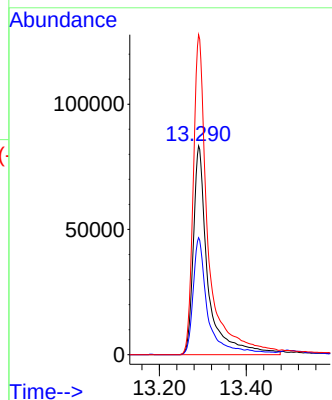
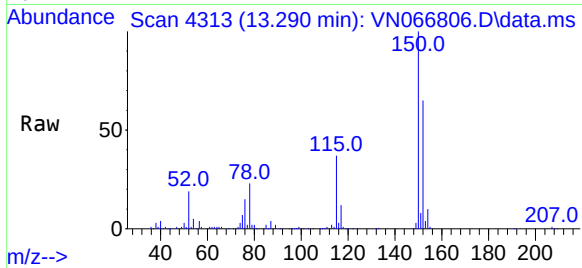




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.290 min Scan# 4313  
Delta R.T. 0.003 min  
Lab File: VN066806.D  
Acq: 28 Apr 2021 12:47

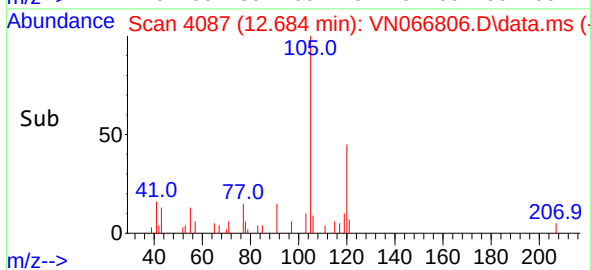
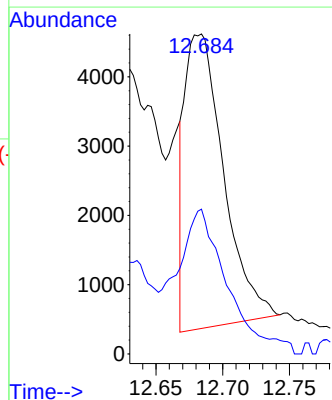
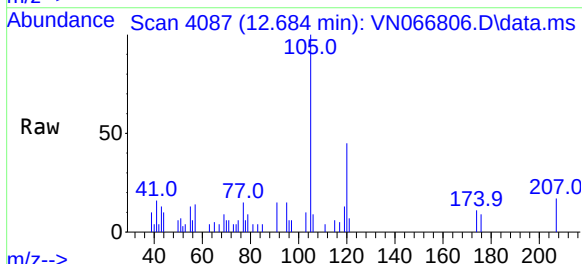
Instrument :  
MSVOA\_N  
ClientSampleId :  
31075-76

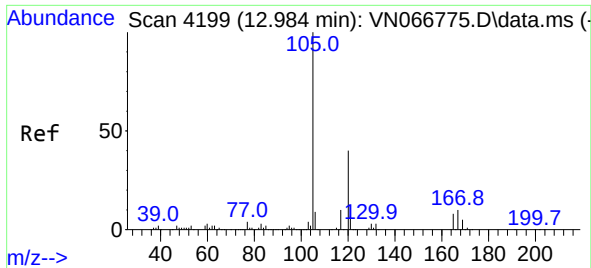
Tgt Ion:152 Resp: 196195  
Ion Ratio Lower Upper  
152 100  
115 54.2 28.5 85.6  
150 155.5 0.0 347.6



#80  
1,3,5-Trimethylbenzene  
Concen: 0.71 ug/l  
RT: 12.684 min Scan# 4087  
Delta R.T. 0.005 min  
Lab File: VN066806.D  
Acq: 28 Apr 2021 12:47

Tgt Ion:105 Resp: 8579  
Ion Ratio Lower Upper  
105 100  
120 54.6 24.3 72.8





#84  
1,2,4-Trimethylbenzene  
Concen: 2.16 ug/l  
RT: 12.992 min Scan# 4202  
Delta R.T. 0.008 min  
Lab File: VN066806.D  
Acq: 28 Apr 2021 12:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
31075-76

Tgt Ion:105 Resp: 24700  
Ion Ratio Lower Upper  
105 100  
120 48.1 22.4 67.0

