

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120621\  
 Data File : VN069783.D  
 Acq On : 6 Dec 2021 15:01  
 Operator : JC/MD  
 Sample : M4866-01  
 Misc : 1.05g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 41679

Quant Time: Dec 06 15:24:03 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 03 08:46:47 2021  
 Response via : Initial Calibration

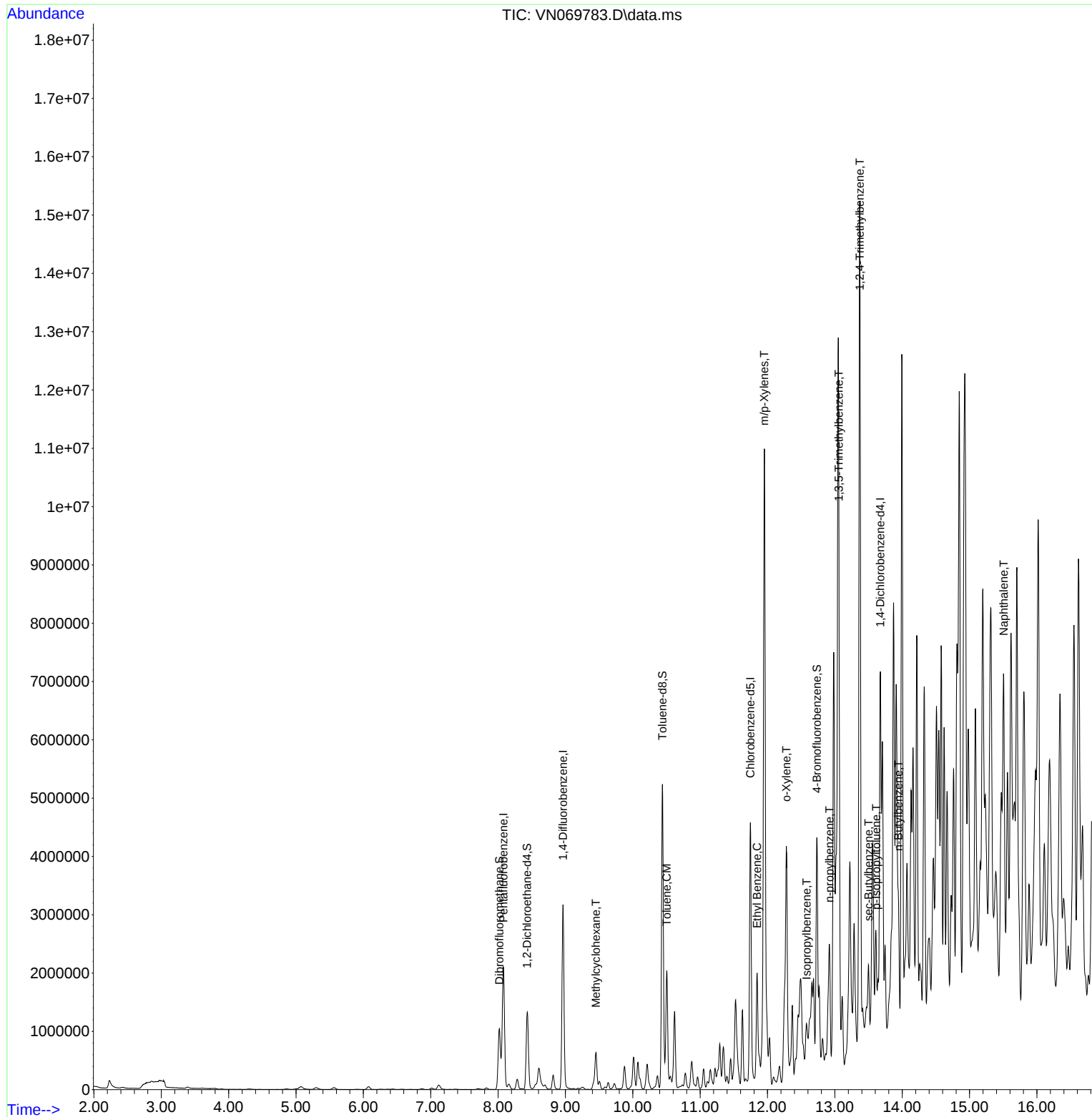
| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.078          | 168  | 1496372    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.965          | 114  | 2631523    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.747         | 117  | 2472503    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.675         | 152  | 1289604    | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.432          | 65   | 1128111    | 48.828   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = | 97.660%  |        |          |
| 35) Dibromofluoromethane    | 8.019          | 113  | 749550     | 45.473   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = | 90.940%  |        |          |
| 50) Toluene-d8              | 10.440         | 98   | 3224988    | 48.726   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = | 97.460%  |        |          |
| 62) 4-Bromofluorobenzene    | 12.733         | 95   | 1276765    | 53.248   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = | 106.500% |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          |        |          |
|                             |                |      |            |          | Qvalue |          |
| 39) Methylcyclohexane       | 9.453          | 83   | 212168     | 7.120    | ug/l # | 86       |
| 52) Toluene                 | 10.505         | 92   | 841490     | 18.000   | ug/l   | 98       |
| 67) Ethyl Benzene           | 11.846         | 91   | 1257783    | 13.804   | ug/l   | 95       |
| 68) m/p-Xylenes             | 11.950         | 106  | 1846615    | 55.662   | ug/l   | 92       |
| 69) o-Xylene                | 12.280         | 106  | 926937     | 27.739   | ug/l   | 90       |
| 73) Isopropylbenzene        | 12.581         | 105  | 341161     | 2.973    | ug/l   | 99       |
| 78) n-propylbenzene         | 12.921         | 91   | 1541063    | 12.070   | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene  | 13.061         | 105  | 1918755    | 20.777   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene  | 13.369         | 105  | 8051611    | 91.546   | ug/l   | 98       |
| 85) sec-Butylbenzene        | 13.501         | 105  | 596719     | 5.380    | ug/l   | 84       |
| 86) p-Isopropyltoluene      | 13.616         | 119  | 364187     | 4.200    | ug/l   | 95       |
| 89) n-Butylbenzene          | 13.943         | 91   | 1068874    | 15.198   | ug/l # | 75       |
| 95) Naphthalene             | 15.507         | 128  | 3506753m   | 55.193   | ug/l   |          |
| -----                       |                |      |            |          |        |          |

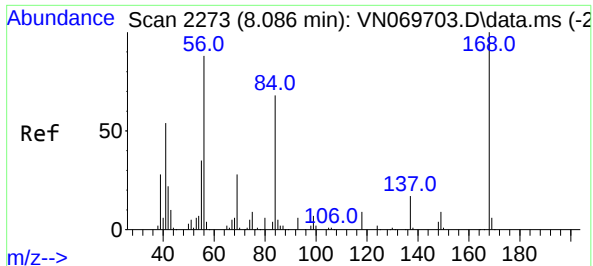
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120621\  
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Quant Title : SW846 8260  
QLast Update : Fri Dec 03 08:46:47 2021  
Response via : Initial Calibration

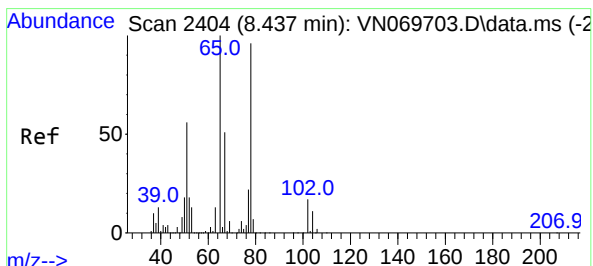
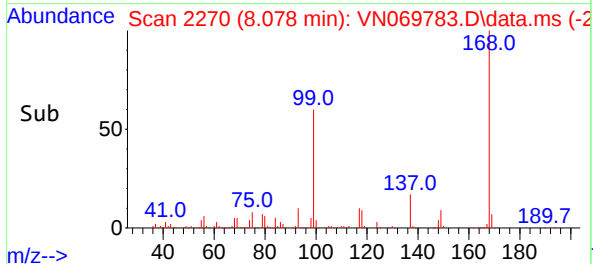
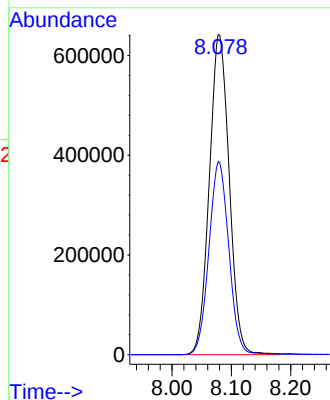
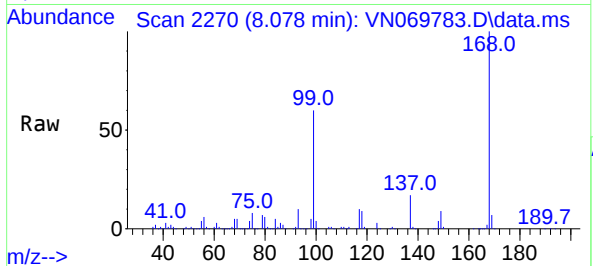




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.078 min Scan# 21  
Delta R.T. -0.008 min  
Lab File: VN069783.D  
Acq: 6 Dec 2021 15:01

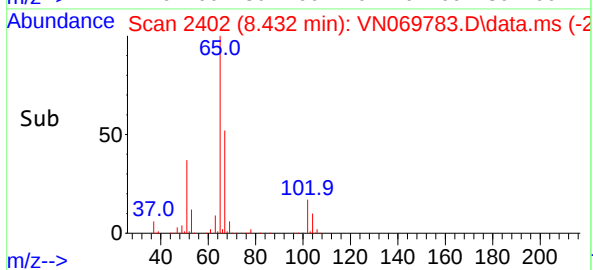
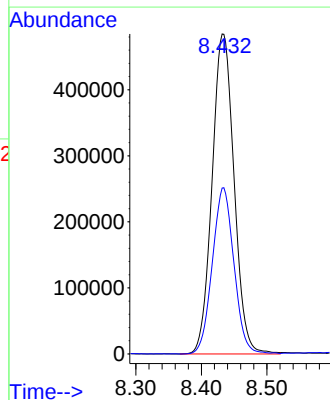
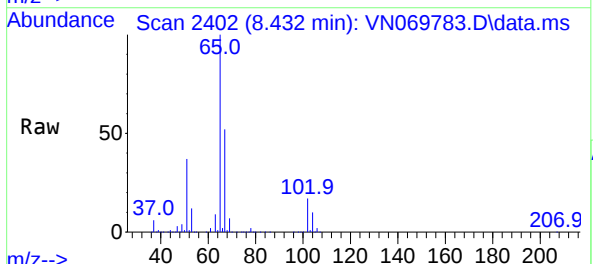
Instrument :  
MSVOA\_N  
ClientSampleId :  
41679

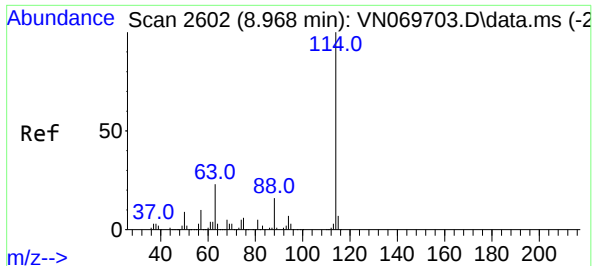
Tgt Ion:168 Resp: 1496372  
Ion Ratio Lower Upper  
168 100  
99 60.4 41.3 61.9



#33  
1,2-Dichloroethane-d4  
Concen: 48.828 ug/l  
RT: 8.432 min Scan# 2402  
Delta R.T. -0.005 min  
Lab File: VN069783.D  
Acq: 6 Dec 2021 15:01

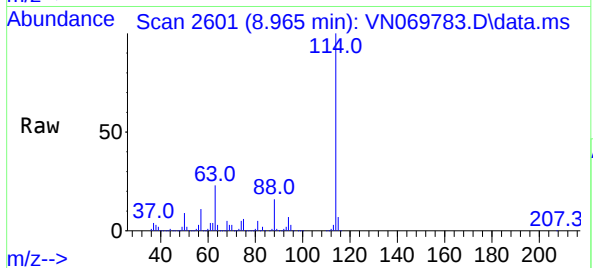
Tgt Ion: 65 Resp: 1128111  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 103.0





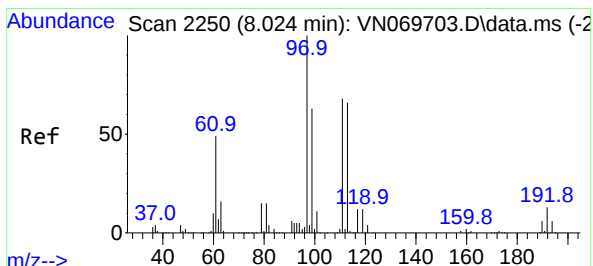
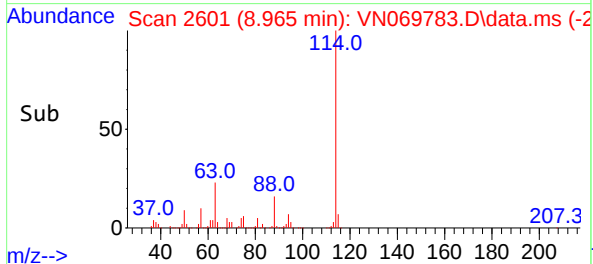
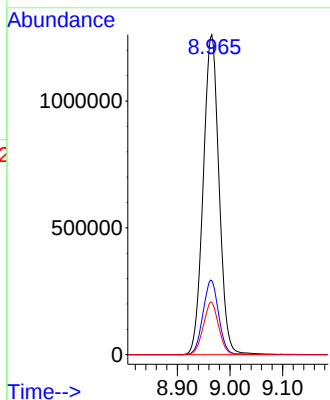
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.965 min Scan# 2061  
Delta R.T. -0.003 min  
Lab File: VN069783.D  
Acq: 6 Dec 2021 15:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
41679



Tgt Ion:114 Resp: 2631523

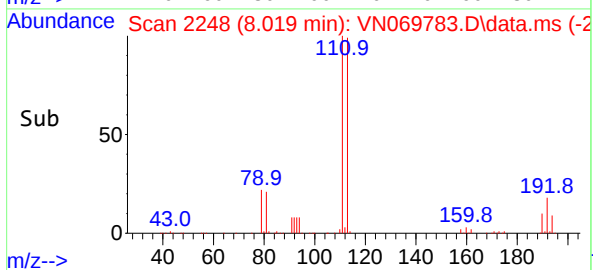
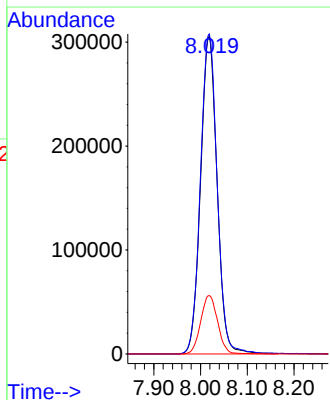
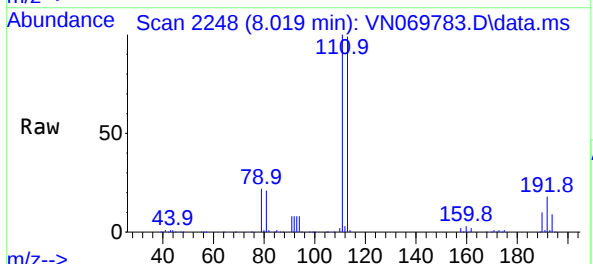
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 23.1  | 0.0   | 37.8  |
| 88  | 16.3  | 0.0   | 27.4  |

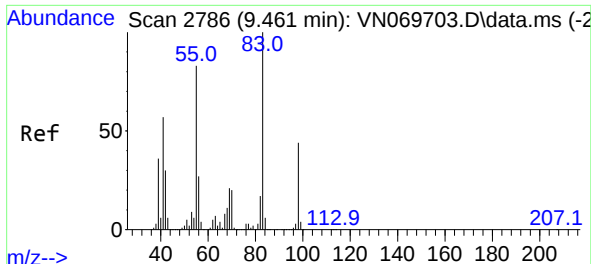


#35  
Dibromofluoromethane  
Concen: 45.473 ug/l  
RT: 8.019 min Scan# 2248  
Delta R.T. -0.005 min  
Lab File: VN069783.D  
Acq: 6 Dec 2021 15:01

Tgt Ion:113 Resp: 749550

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.2 | 82.2  | 123.2 |
| 192 | 18.8  | 16.9  | 25.3  |

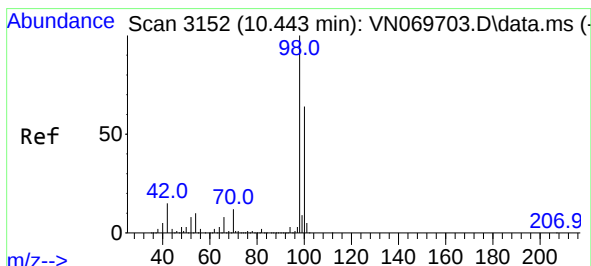
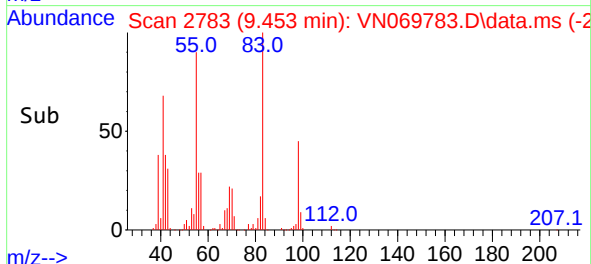
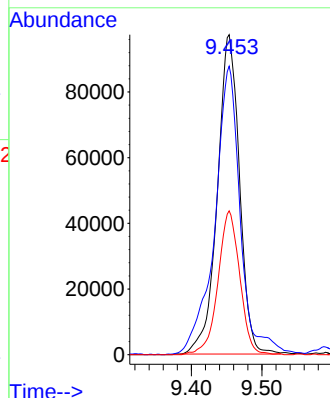
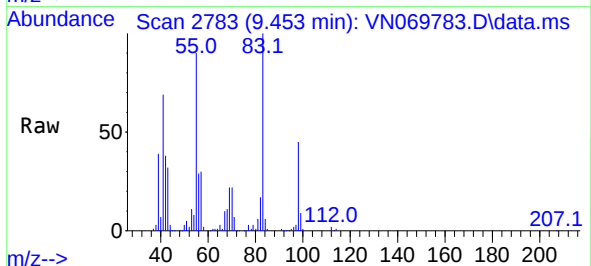




#39  
Methylcyclohexane  
Concen: 7.120 ug/l  
RT: 9.453 min Scan# 21  
Delta R.T. -0.008 min  
Lab File: VN069783.D  
Acq: 6 Dec 2021 15:01

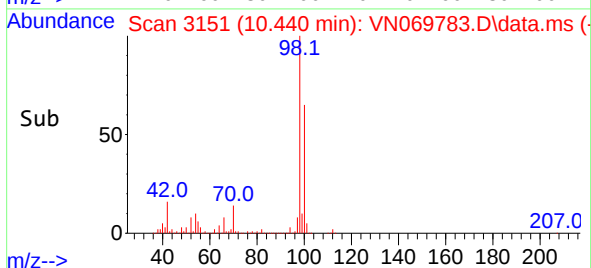
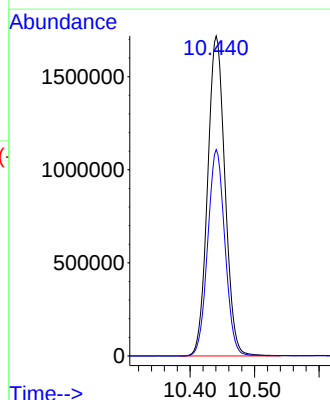
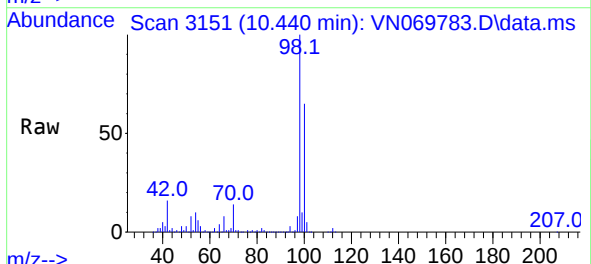
Instrument :  
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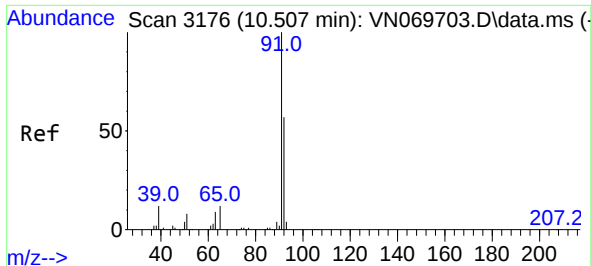
Tgt Ion: 83 Resp: 212168  
Ion Ratio Lower Upper  
83 100  
55 89.4 58.1 87.1#  
98 45.1 38.4 57.6



#50  
Toluene-d8  
Concen: 48.726 ug/l  
RT: 10.440 min Scan# 3151  
Delta R.T. -0.003 min  
Lab File: VN069783.D  
Acq: 6 Dec 2021 15:01

Tgt Ion: 98 Resp: 3224988  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.4 75.6

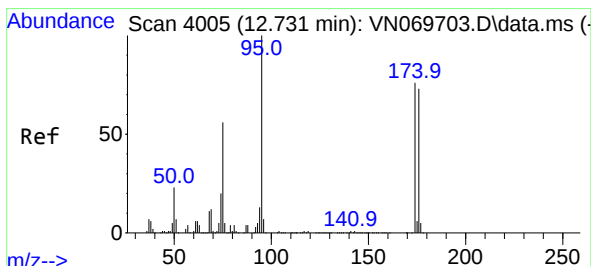
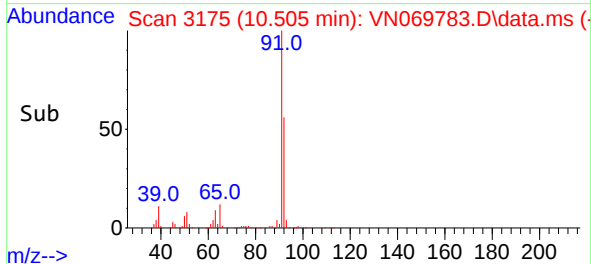
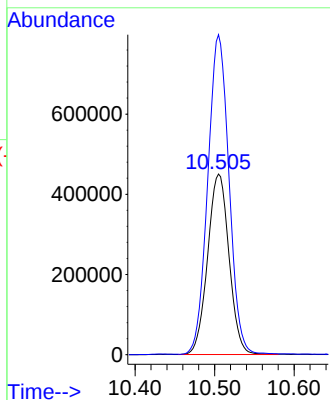
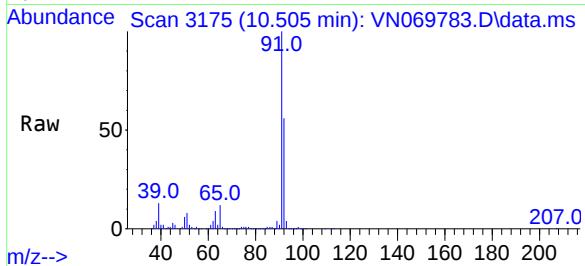




#52  
Toluene  
Concen: 18.000 ug/l  
RT: 10.505 min Scan# 3176  
Delta R.T. -0.003 min  
Lab File: VN069783.D  
Acq: 6 Dec 2021 15:01

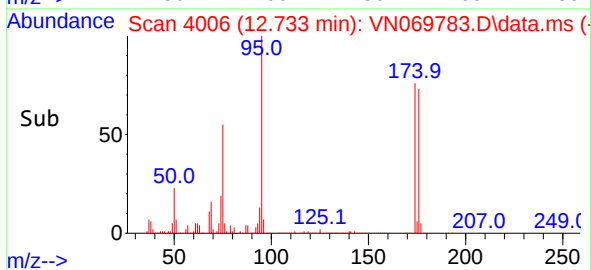
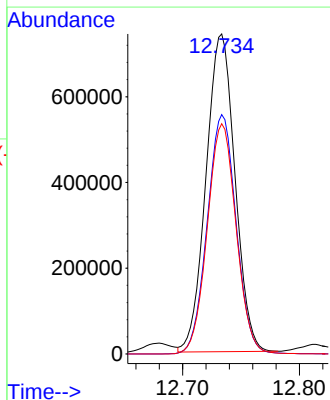
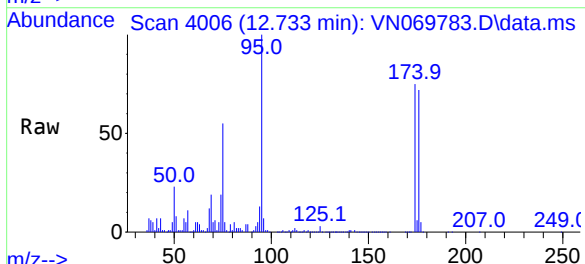
Instrument :  
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ClientSampleId :  
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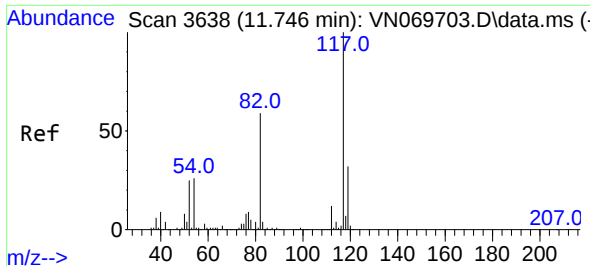
Tgt Ion: 92 Resp: 841490  
Ion Ratio Lower Upper  
92 100  
91 175.4 142.0 213.0



#62  
4-Bromofluorobenzene  
Concen: 53.248 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.002 min  
Lab File: VN069783.D  
Acq: 6 Dec 2021 15:01

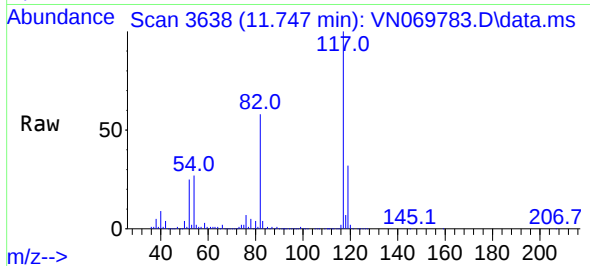
Tgt Ion: 95 Resp: 1276765  
Ion Ratio Lower Upper  
95 100  
174 75.4 0.0 187.2  
176 72.3 0.0 181.4





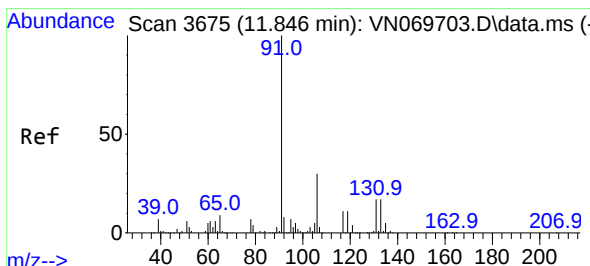
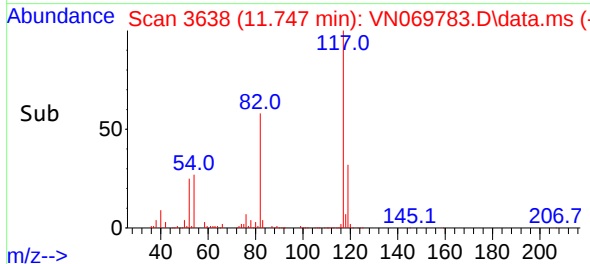
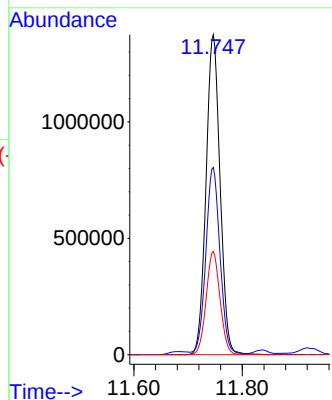
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.747 min Scan# 3638  
Delta R.T. 0.001 min  
Lab File: VN069783.D  
Acq: 6 Dec 2021 15:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
41679



Tgt Ion:117 Resp: 2472503

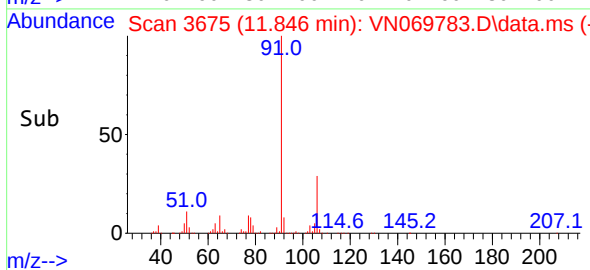
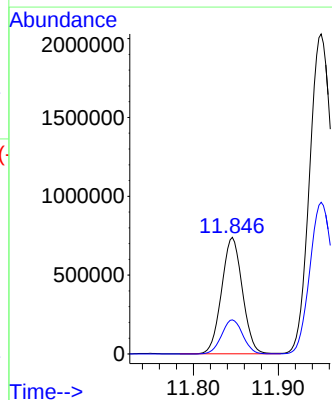
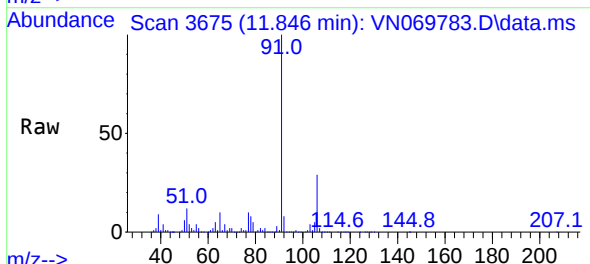
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 58.1  | 42.4  | 63.6  |
| 119 | 32.3  | 25.4  | 38.2  |

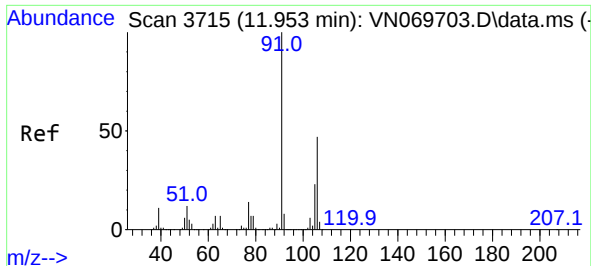


#67  
Ethyl Benzene  
Concen: 13.804 ug/l  
RT: 11.846 min Scan# 3675  
Delta R.T. 0.000 min  
Lab File: VN069783.D  
Acq: 6 Dec 2021 15:01

Tgt Ion: 91 Resp: 1257783

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 106 | 29.2  | 25.7  | 38.5  |

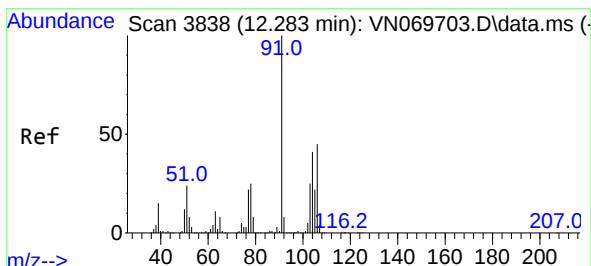
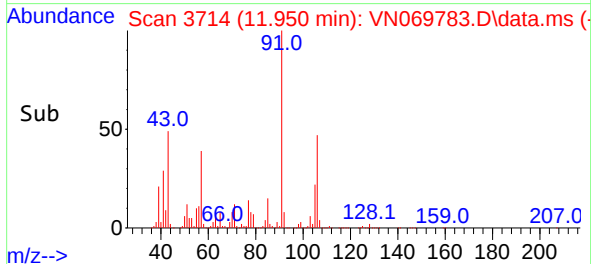
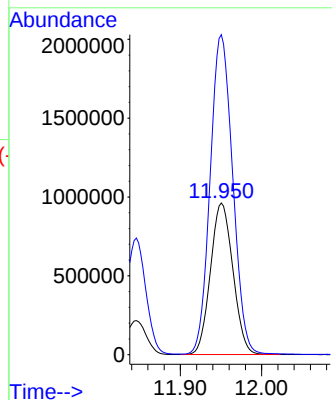
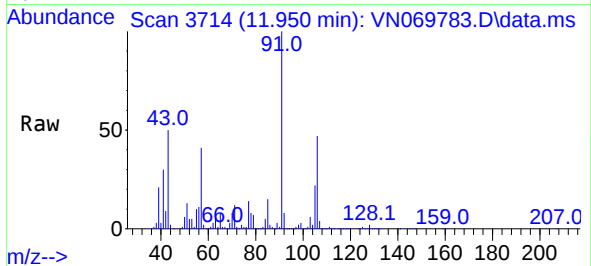




#68  
m/p-Xylenes  
Concen: 55.662 ug/l  
RT: 11.950 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VN069783.D  
Acq: 6 Dec 2021 15:01

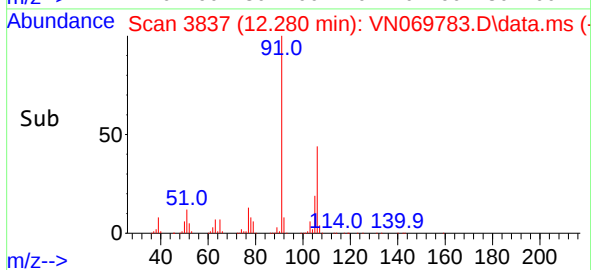
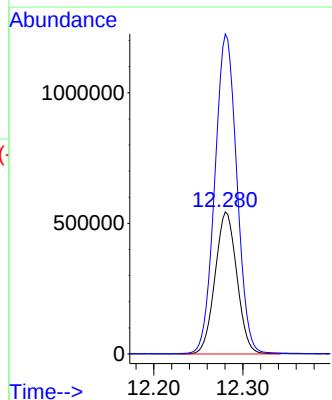
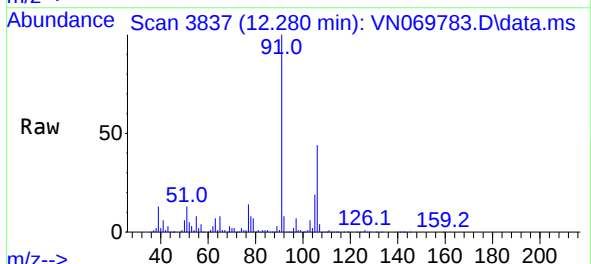
Instrument :  
MSVOA\_N  
ClientSampleId :  
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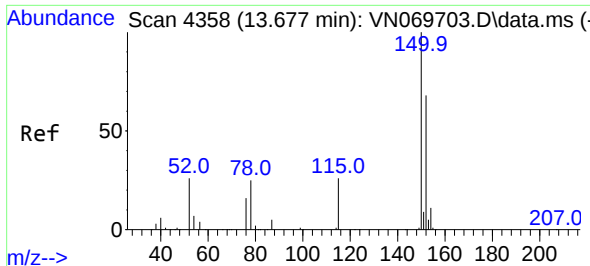
Tgt Ion:106 Resp: 1846615  
Ion Ratio Lower Upper  
106 100  
91 212.1 160.6 240.8



#69  
o-Xylene  
Concen: 27.739 ug/l  
RT: 12.280 min Scan# 3837  
Delta R.T. -0.003 min  
Lab File: VN069783.D  
Acq: 6 Dec 2021 15:01

Tgt Ion:106 Resp: 926937  
Ion Ratio Lower Upper  
106 100  
91 227.7 105.8 317.3

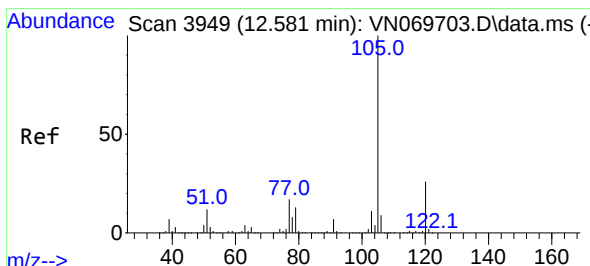
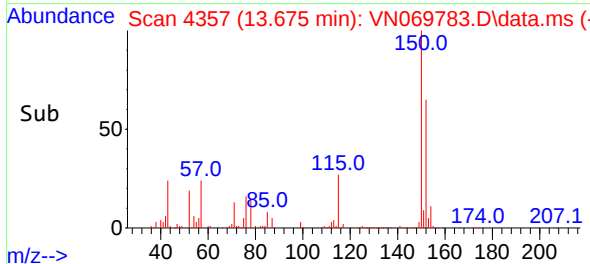
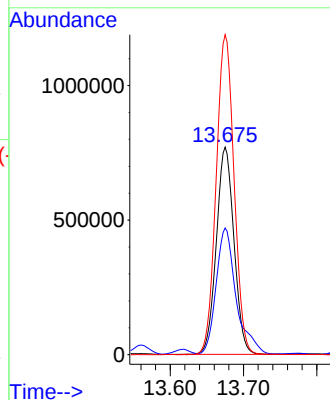
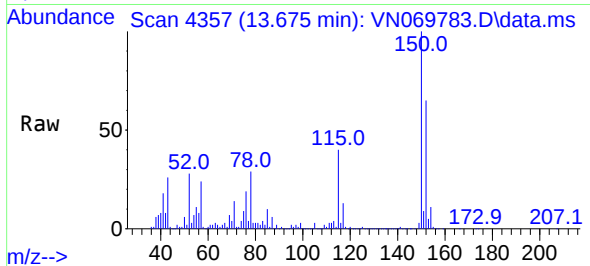




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.675 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VN069783.D  
Acq: 6 Dec 2021 15:01

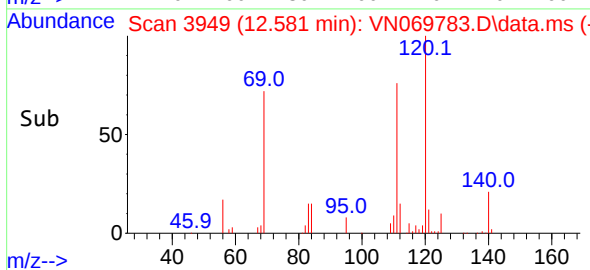
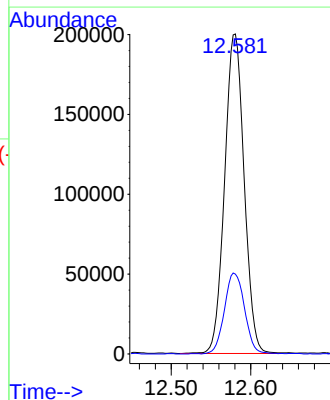
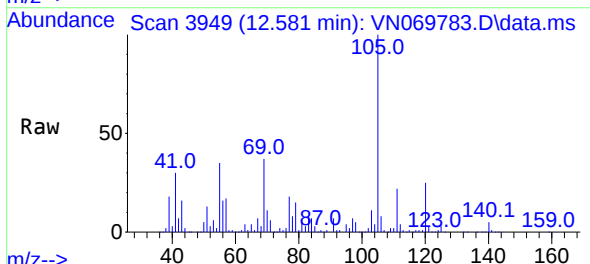
Instrument :  
MSVOA\_N  
ClientSampleId :  
41679

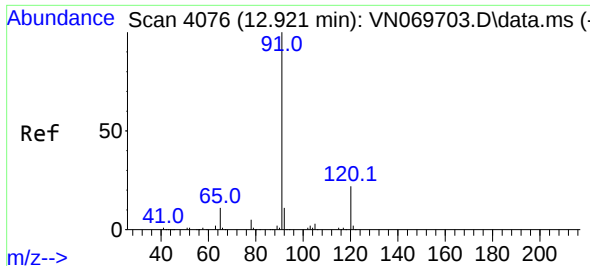
Tgt Ion:152 Resp: 1289604  
Ion Ratio Lower Upper  
152 100  
115 68.8 27.5 82.5  
150 156.3 0.0 344.4



#73  
Isopropylbenzene  
Concen: 2.973 ug/l  
RT: 12.581 min Scan# 3949  
Delta R.T. 0.000 min  
Lab File: VN069783.D  
Acq: 6 Dec 2021 15:01

Tgt Ion:105 Resp: 341161  
Ion Ratio Lower Upper  
105 100  
120 26.2 13.4 40.1

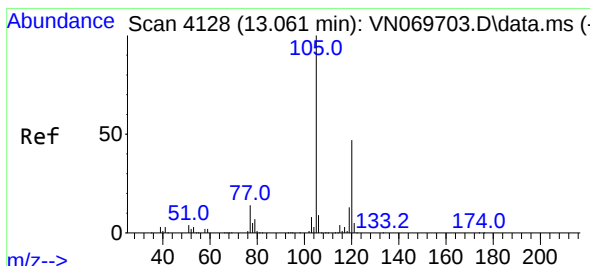
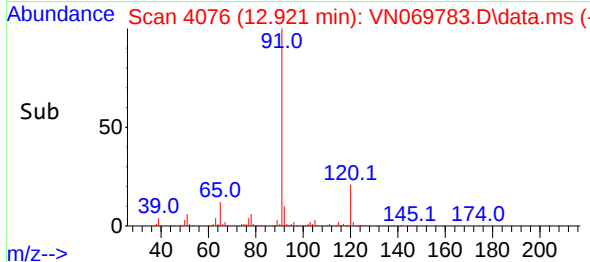
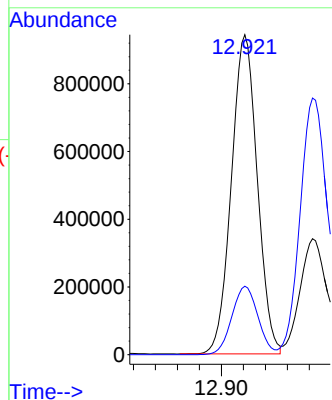
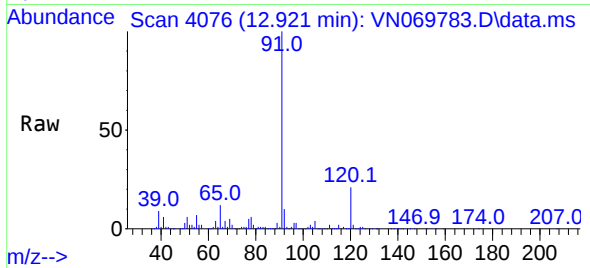




#78  
n-propylbenzene  
Concen: 12.070 ug/l  
RT: 12.921 min Scan# 4076  
Delta R.T. 0.000 min  
Lab File: VN069783.D  
Acq: 6 Dec 2021 15:01

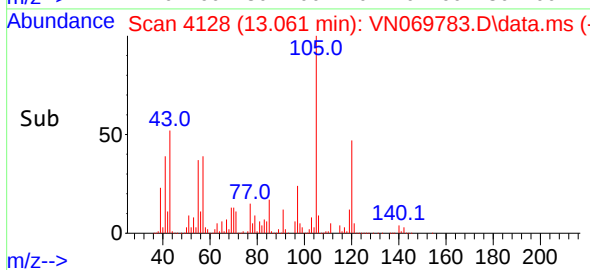
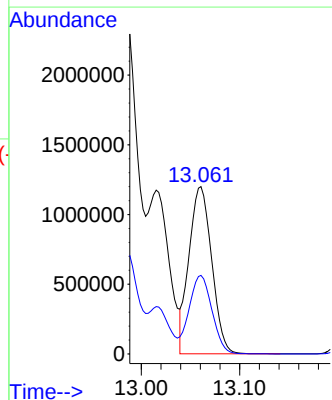
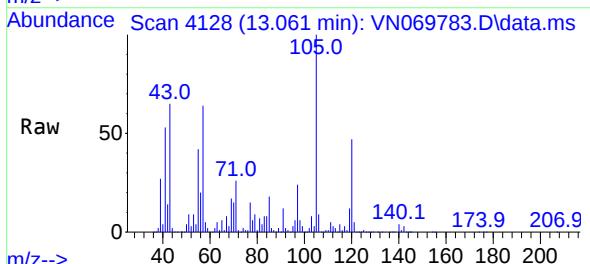
Instrument :  
MSVOA\_N  
ClientSampleId :  
41679

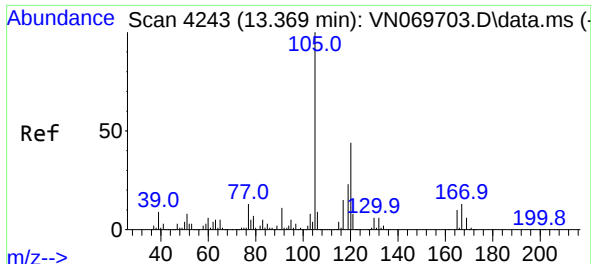
Tgt Ion: 91 Resp: 1541063  
Ion Ratio Lower Upper  
91 100  
120 21.7 11.9 35.9



#80  
1,3,5-Trimethylbenzene  
Concen: 20.777 ug/l  
RT: 13.061 min Scan# 4128  
Delta R.T. 0.000 min  
Lab File: VN069783.D  
Acq: 6 Dec 2021 15:01

Tgt Ion:105 Resp: 1918755  
Ion Ratio Lower Upper  
105 100  
120 47.9 24.6 73.6

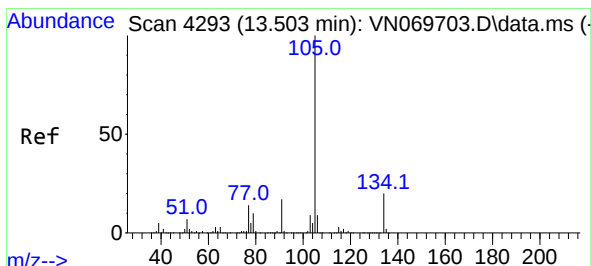
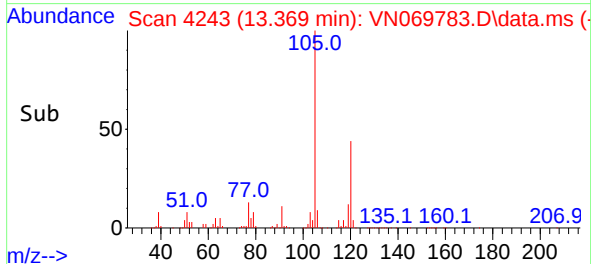
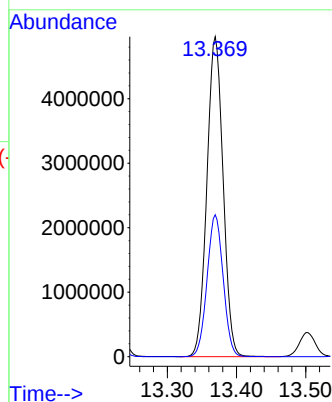
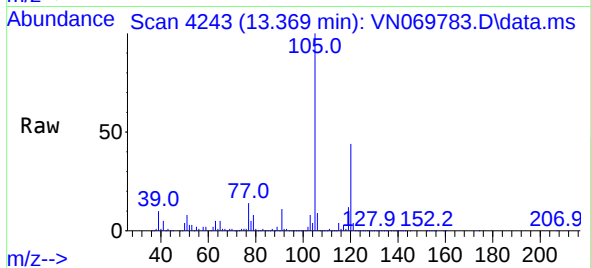




#84  
1,2,4-Trimethylbenzene  
Concen: 91.546 ug/l  
RT: 13.369 min Scan# 41679  
Delta R.T. 0.000 min  
Lab File: VN069783.D  
Acq: 6 Dec 2021 15:01

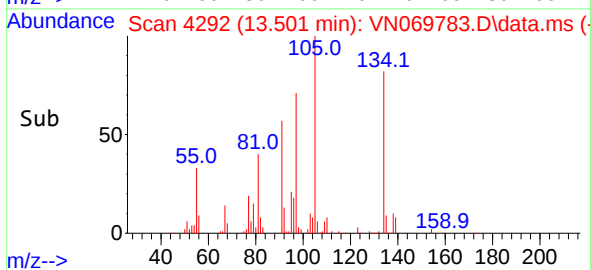
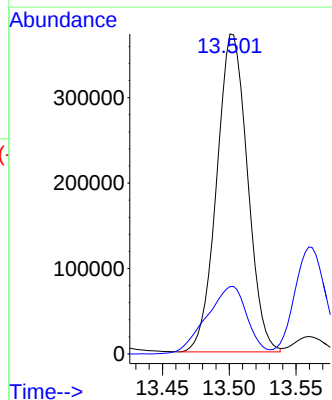
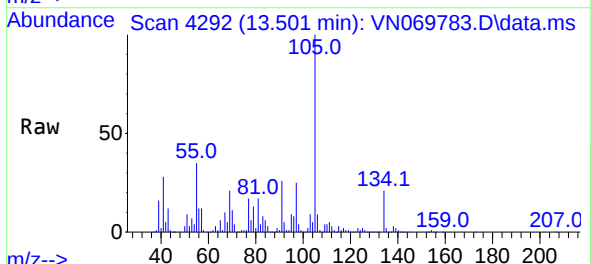
Instrument :  
MSVOA\_N  
ClientSampleId :  
41679

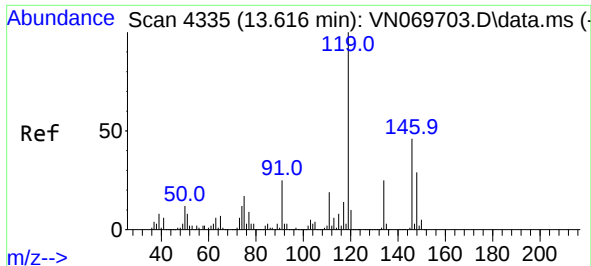
Tgt Ion:105 Resp: 8051611  
Ion Ratio Lower Upper  
105 100  
120 44.1 22.8 68.4



#85  
sec-Butylbenzene  
Concen: 5.380 ug/l  
RT: 13.501 min Scan# 4292  
Delta R.T. -0.003 min  
Lab File: VN069783.D  
Acq: 6 Dec 2021 15:01

Tgt Ion:105 Resp: 596719  
Ion Ratio Lower Upper  
105 100  
134 27.9 10.4 31.1



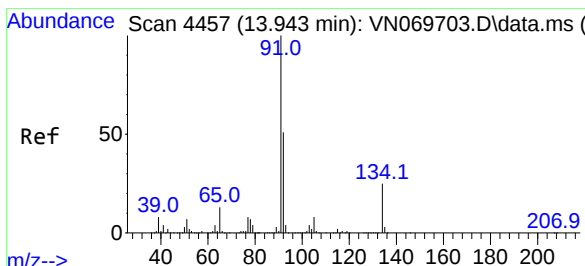
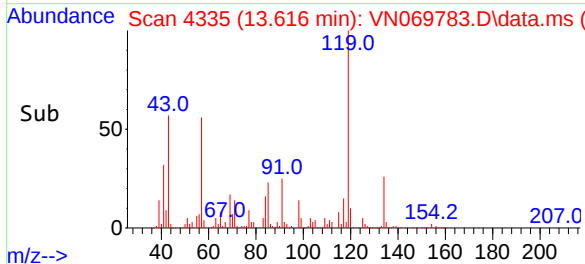
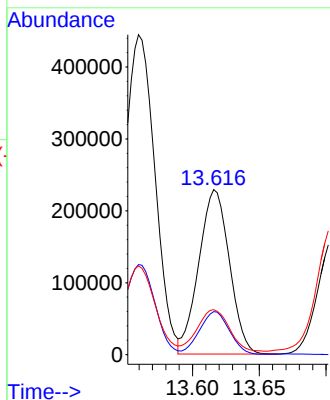
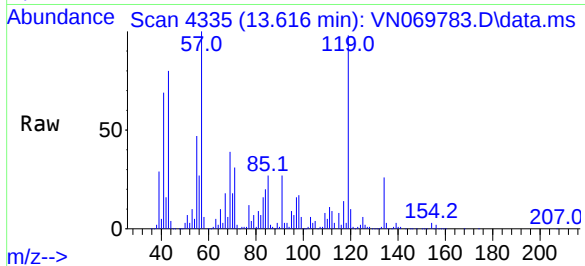


#86  
 p-Isopropyltoluene  
 Concen: 4.200 ug/l  
 RT: 13.616 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VN069783.D  
 Acq: 6 Dec 2021 15:01

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 41679

Tgt Ion:119 Resp: 364187

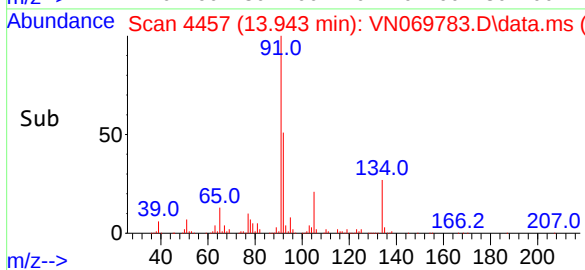
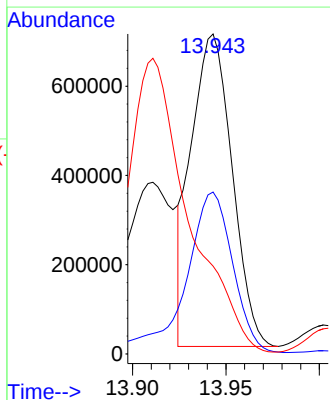
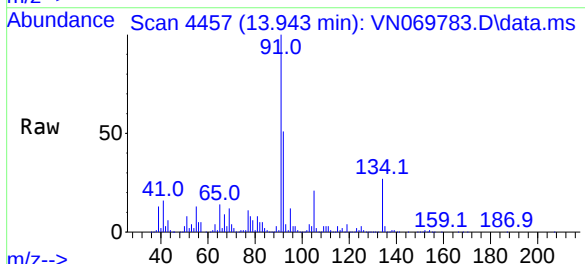
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 119 | 100   |       |       |
| 134 | 25.2  | 13.6  | 40.7  |
| 91  | 26.0  | 11.4  | 34.1  |

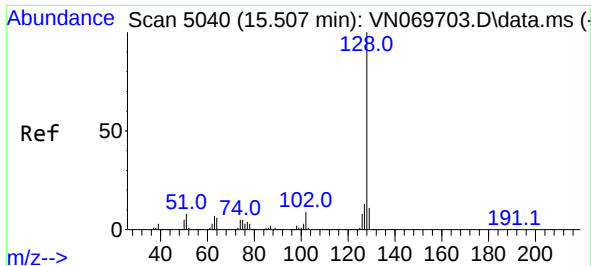


#89  
 n-Butylbenzene  
 Concen: 15.198 ug/l  
 RT: 13.943 min Scan# 4457  
 Delta R.T. 0.000 min  
 Lab File: VN069783.D  
 Acq: 6 Dec 2021 15:01

Tgt Ion: 91 Resp: 1068874

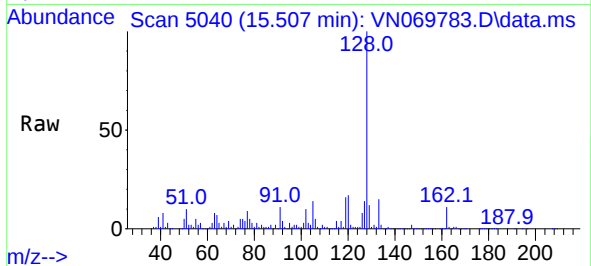
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 58.3  | 25.4  | 76.0  |
| 134 | 0.0   | 13.6  | 40.8# |





#95  
Naphthalene  
Concen: 55.193 ug/l m  
RT: 15.507 min Scan# 50  
Delta R.T. -0.000 min  
Lab File: VN069783.D  
Acq: 6 Dec 2021 15:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
41679



Tgt Ion:128 Resp: 3506753  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.5 15.7#  
129 0.0 8.7 13.1#

