

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031721\  
 Data File : VX021265.D  
 Acq On : 17 Mar 2021 12:44  
 Operator : JC/MD  
 Sample : M1690-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MC-WC

Quant Time: Mar 18 03:52:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 16 14:00:21 2021  
 Response via : Initial Calibration

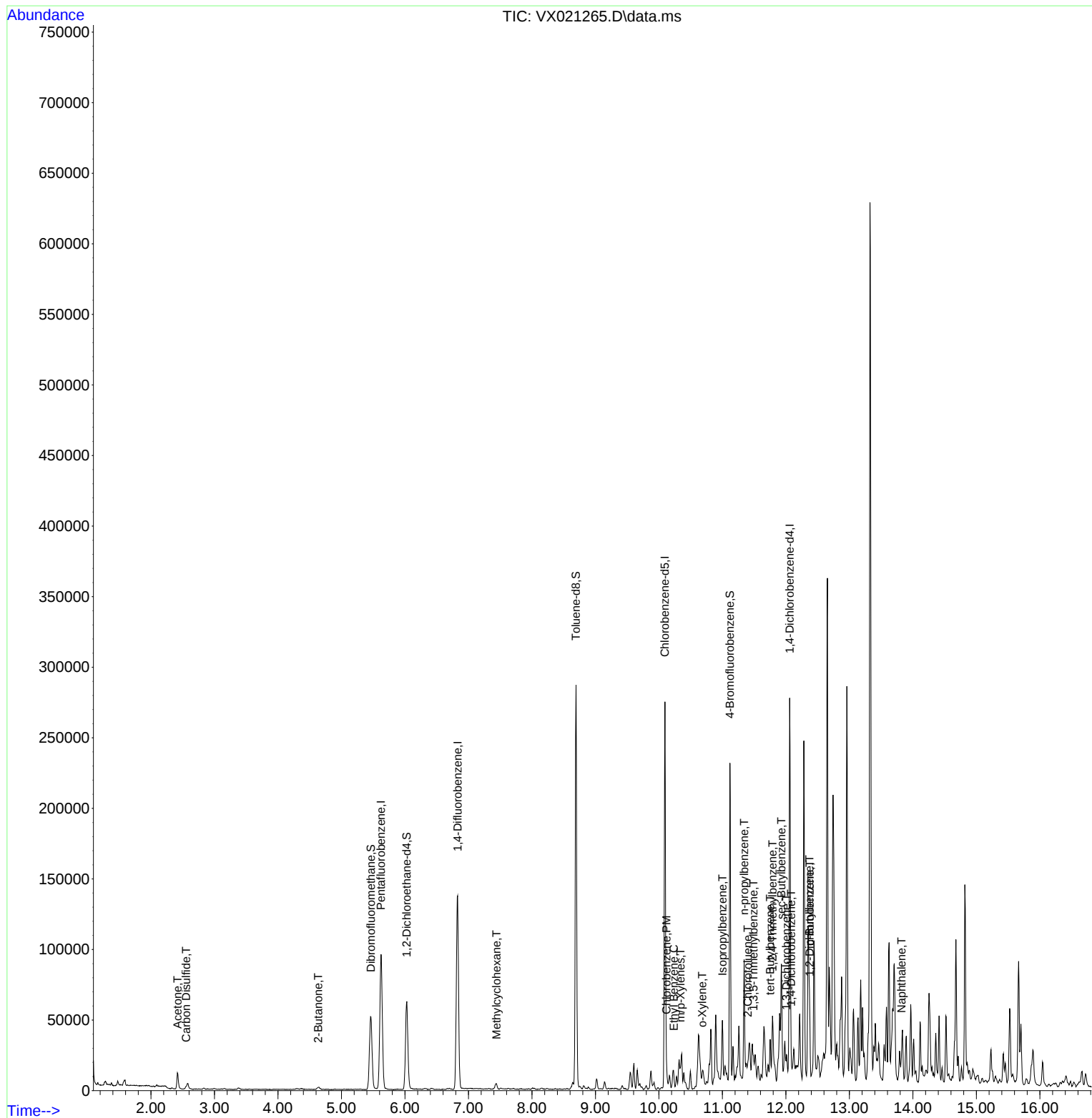
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.623  | 168   | 81470    | 50.00    | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene     | 6.829  | 114   | 128931   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.094 | 117   | 112642   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.059 | 152   | 49834    | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.029  | 65    | 62036    | 46.43    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 92.86%   |
| 35) Dibromofluoromethane    | 5.464  | 113   | 43935    | 50.08    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 100.16%  |
| 50) Toluene-d8              | 8.694  | 98    | 159085   | 49.98    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 99.96%   |
| 62) 4-Bromofluorobenzene    | 11.118 | 95    | 57413    | 46.44    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 92.88%   |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 2.417  | 43    | 11964    | 24.33    | ug/l # | 87       |
| 17) Carbon Disulfide        | 2.552  | 76    | 1739     | 1.25     | ug/l # | 94       |
| 25) 2-Butanone              | 4.635  | 43    | 2438     | 3.22     | ug/l   | 93       |
| 39) Methylcyclohexane       | 7.441  | 83    | 1706     | 1.18     | ug/l # | 89       |
| 65) Chlorobenzene           | 10.118 | 112   | 4151     | 1.79     | ug/l   | 94       |
| 67) Ethyl Benzene           | 10.235 | 91    | 1610     | 0.38     | ug/l   | 99       |
| 68) m/p-Xylenes             | 10.341 | 106   | 757      | 0.49     | ug/l # | 68       |
| 69) o-Xylene                | 10.683 | 106   | 1169     | 0.79     | ug/l   | 95       |
| 73) Isopropylbenzene        | 11.000 | 105   | 21136    | 5.71     | ug/l   | 99       |
| 78) n-propylbenzene         | 11.341 | 91    | 48139    | 11.12    | ug/l   | 95       |
| 79) 2-Chlorotoluene         | 11.400 | 91    | 4694     | 1.79     | ug/l   | 86       |
| 80) 1,3,5-Trimethylbenzene  | 11.489 | 105   | 4134     | 1.32     | ug/l   | 97       |
| 83) tert-Butylbenzene       | 11.753 | 119   | 6489     | 2.18     | ug/l   | 80       |
| 84) 1,2,4-Trimethylbenzene  | 11.789 | 105   | 12376    | 3.89     | ug/l   | 98       |
| 85) sec-Butylbenzene        | 11.930 | 105   | 31805    | 9.05     | ug/l   | 93       |
| 87) 1,3-Dichlorobenzene     | 12.006 | 146   | 1216     | 0.76     | ug/l # | 74       |
| 88) 1,4-Dichlorobenzene     | 12.083 | 146   | 1795     | 1.10     | ug/l # | 54       |
| 89) n-Butylbenzene          | 12.371 | 91    | 19949    | 6.80     | ug/l # | 74       |
| 91) 1,2-Dichlorobenzene     | 12.377 | 146   | 1556     | 1.00     | ug/l # | 73       |
| 95) Naphthalene             | 13.818 | 128   | 8536     | 2.41     | ug/l # | 91       |
| -----                       |        |       |          |          |        |          |

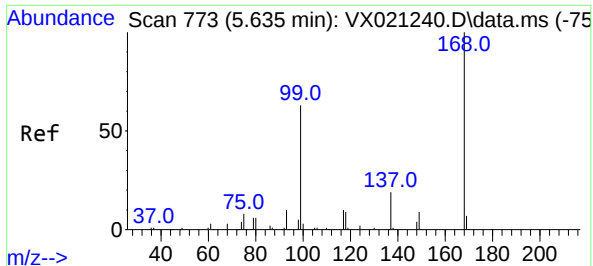
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031721\  
Data File : VX021265.D  
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Sample : M1690-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MC-WC

Quant Time: Mar 18 03:52:23 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 16 14:00:21 2021  
Response via : Initial Calibration

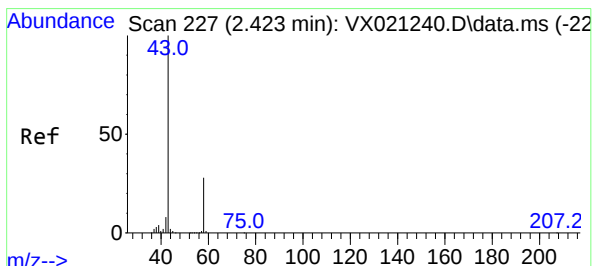
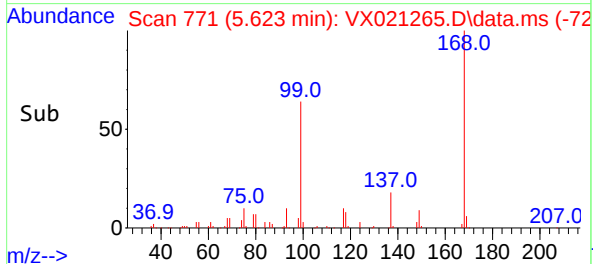
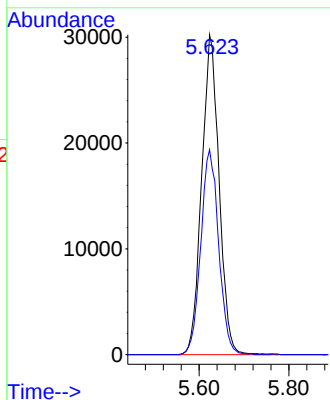
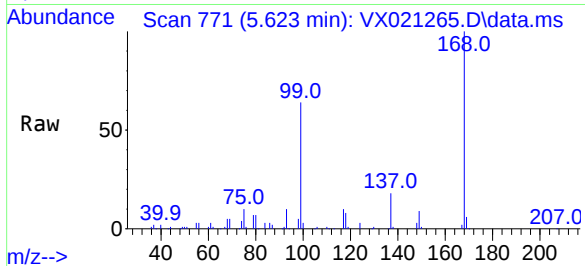




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.012 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

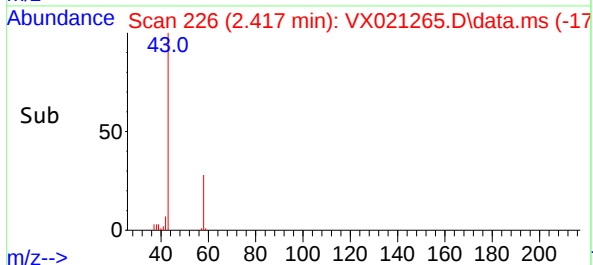
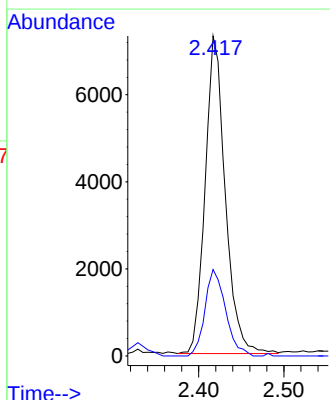
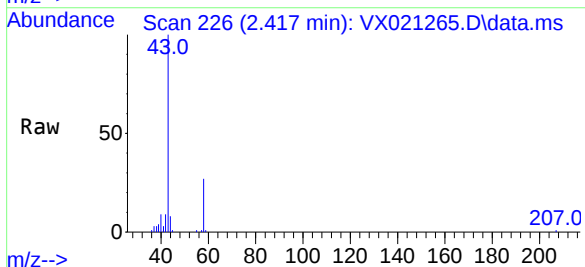
Instrument :  
MSVOA\_X  
ClientSampleId :  
MC-WC

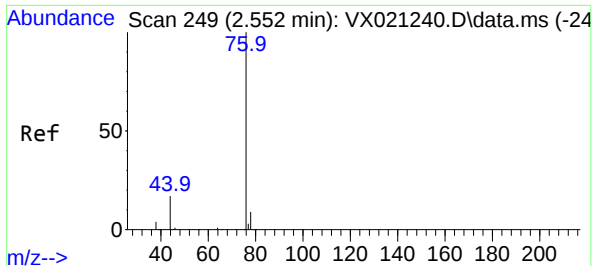
Tgt Ion:168 Resp: 81470  
Ion Ratio Lower Upper  
168 100  
99 64.1 45.8 68.6



#16  
Acetone  
Concen: 24.33 ug/l  
RT: 2.417 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

Tgt Ion: 43 Resp: 11964  
Ion Ratio Lower Upper  
43 100  
58 27.2 27.8 41.8#

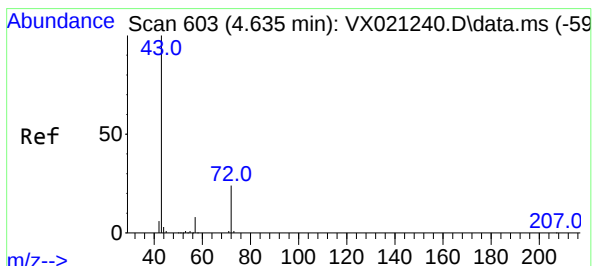
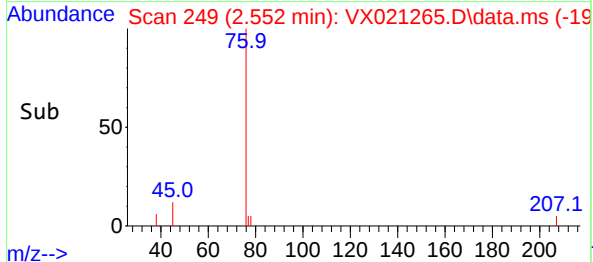
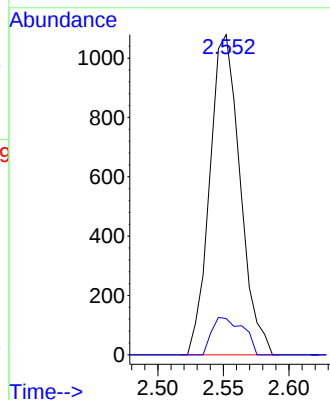
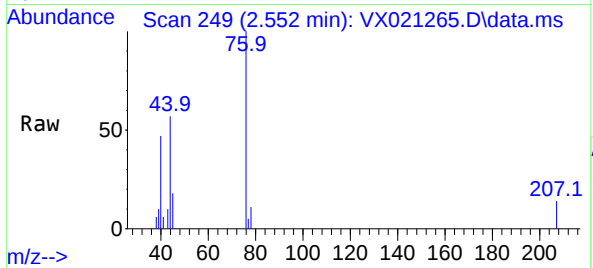




#17  
Carbon Disulfide  
Concen: 1.25 ug/l  
RT: 2.552 min Scan# 249  
Delta R.T. 0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

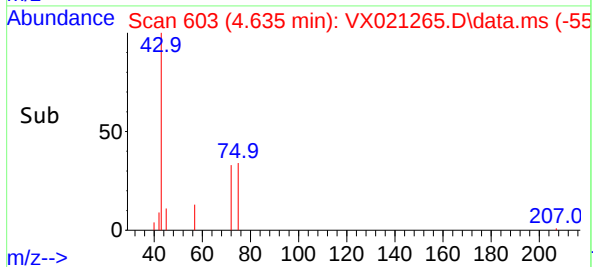
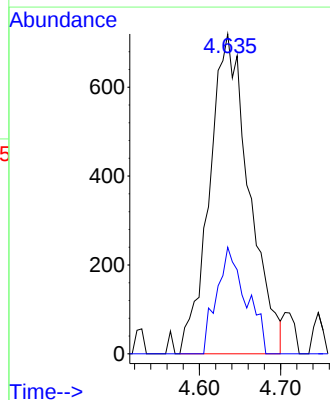
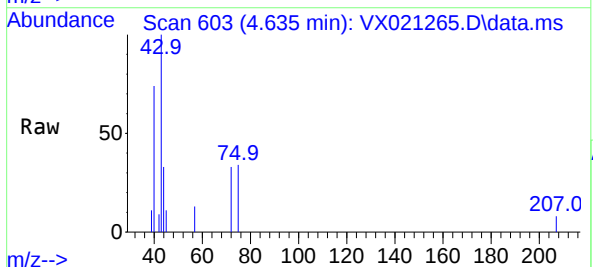
Instrument :  
MSVOA\_X  
ClientSampleId :  
MC-WC

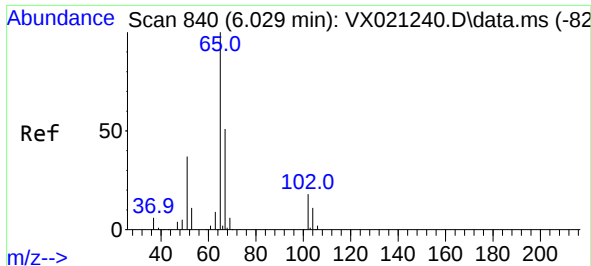
Tgt Ion: 76 Resp: 1739  
Ion Ratio Lower Upper  
76 100  
78 11.3 7.2 10.8#



#25  
2-Butanone  
Concen: 3.22 ug/l  
RT: 4.635 min Scan# 603  
Delta R.T. -0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

Tgt Ion: 43 Resp: 2438  
Ion Ratio Lower Upper  
43 100  
72 33.3 23.7 35.5



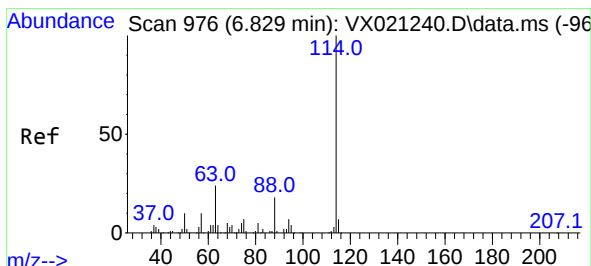
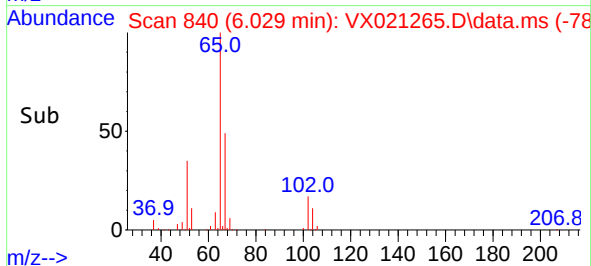
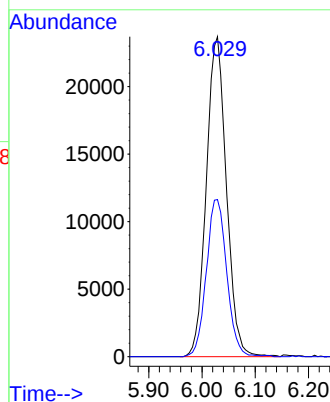
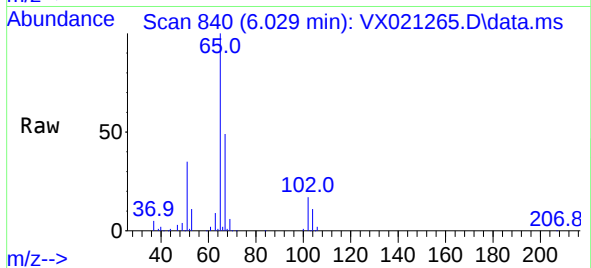


#33

1,2-Dichloroethane-d4  
Concen: 46.43 ug/l  
RT: 6.029 min Scan# 840  
Delta R.T. 0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
MC-WC

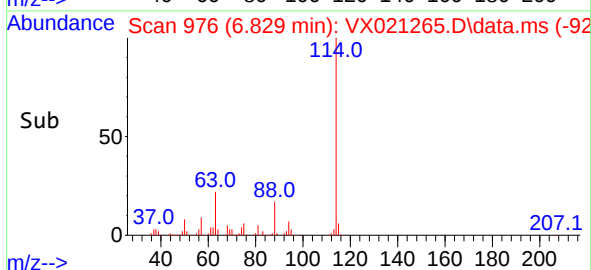
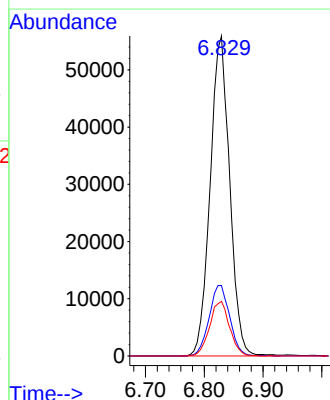
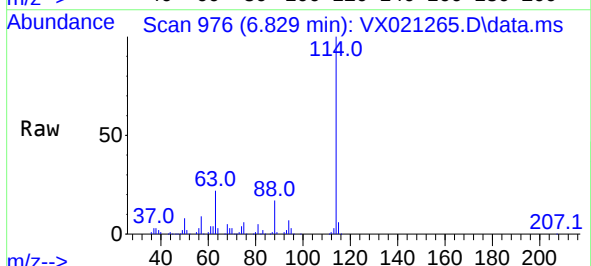
Tgt Ion: 65 Resp: 62036  
Ion Ratio Lower Upper  
65 100  
67 49.8 0.0 105.4

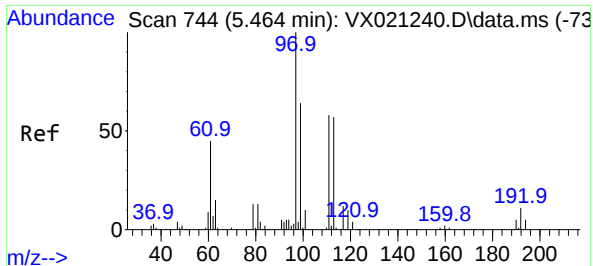


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.829 min Scan# 976  
Delta R.T. 0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

Tgt Ion: 114 Resp: 128931  
Ion Ratio Lower Upper  
114 100  
63 22.0 0.0 40.8  
88 17.1 0.0 32.8

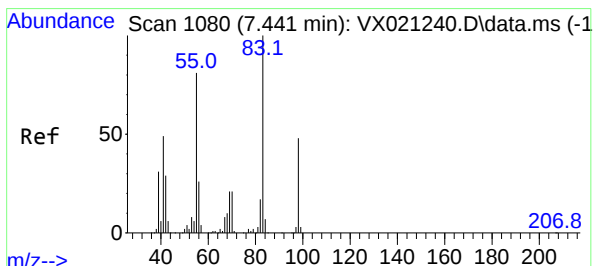
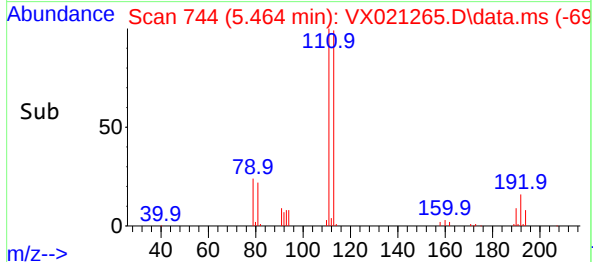
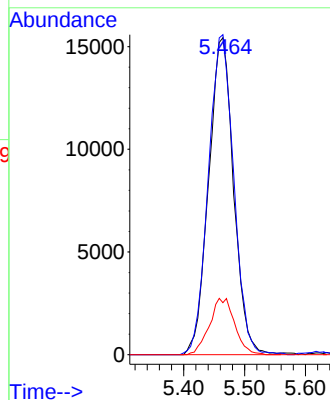
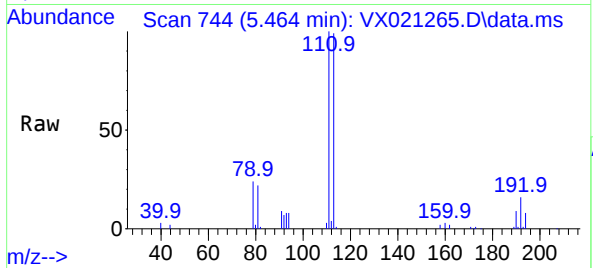




#35  
Dibromofluoromethane  
Concen: 50.08 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

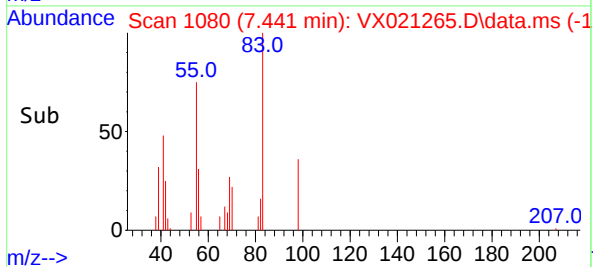
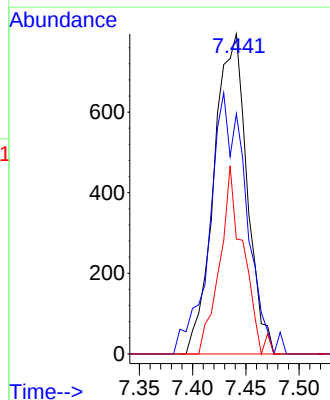
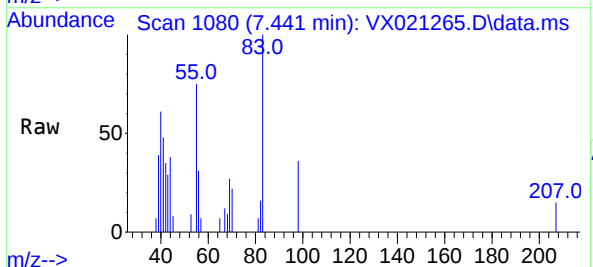
Instrument :  
MSVOA\_X  
ClientSampleId :  
MC-WC

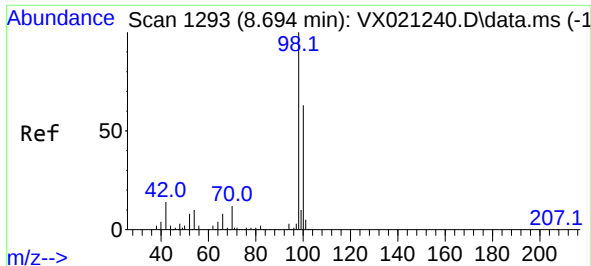
Tgt Ion:113 Resp: 43935  
Ion Ratio Lower Upper  
113 100  
111 102.7 81.9 122.9  
192 18.0 16.7 25.1



#39  
Methylcyclohexane  
Concen: 1.18 ug/l  
RT: 7.441 min Scan# 1080  
Delta R.T. -0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

Tgt Ion: 83 Resp: 1706  
Ion Ratio Lower Upper  
83 100  
55 68.3 58.9 88.3  
98 35.9 38.1 57.1#

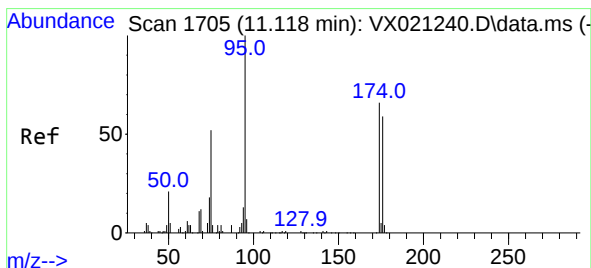
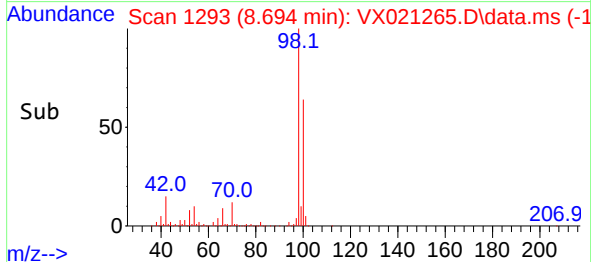
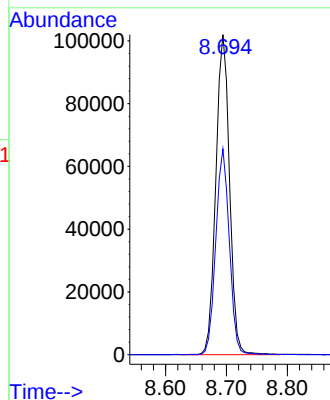
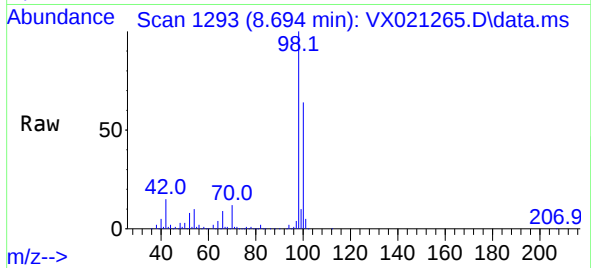




#50  
Toluene-d8  
Concen: 49.98 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. 0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

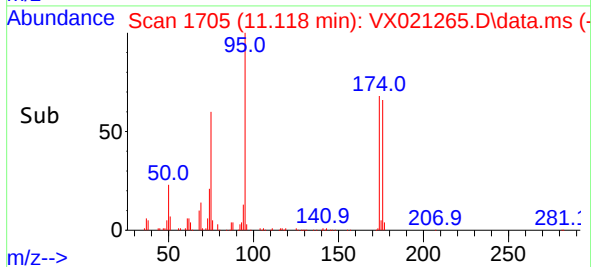
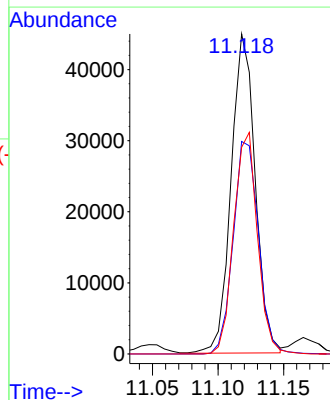
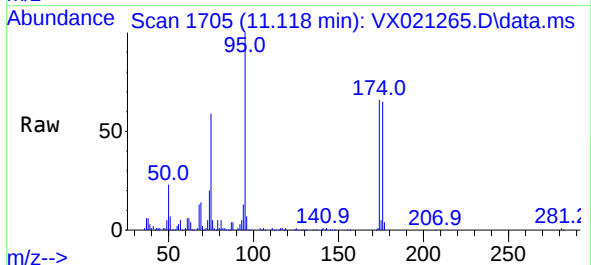
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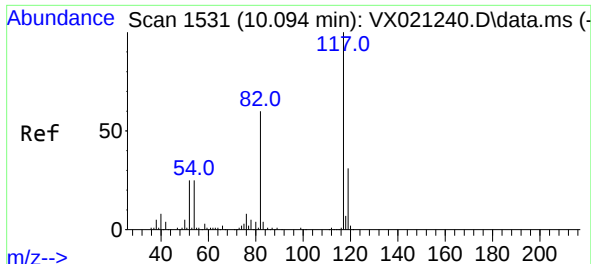
Tgt Ion: 98 Resp: 159085  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 46.44 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

Tgt Ion: 95 Resp: 57413  
Ion Ratio Lower Upper  
95 100  
174 70.1 0.0 154.6  
176 68.6 0.0 155.8

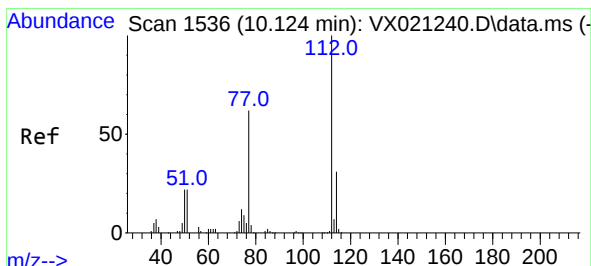
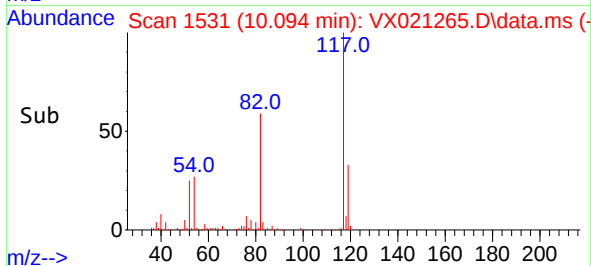
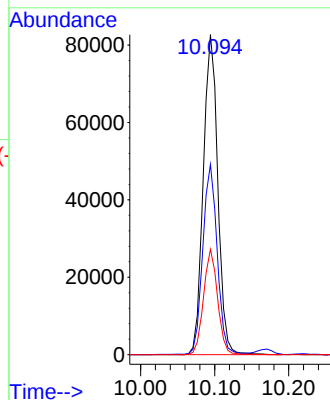
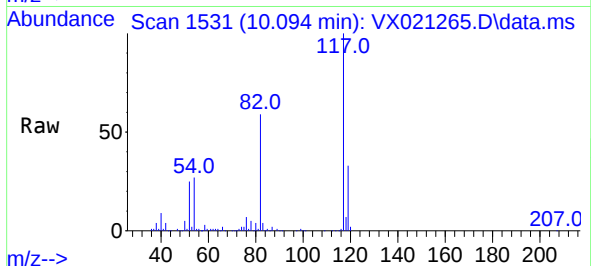




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

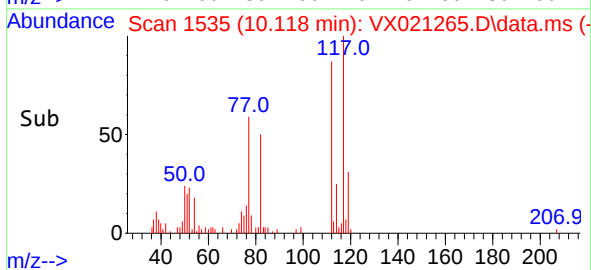
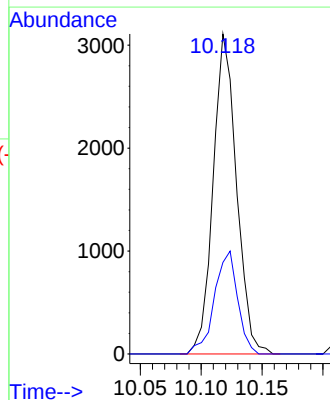
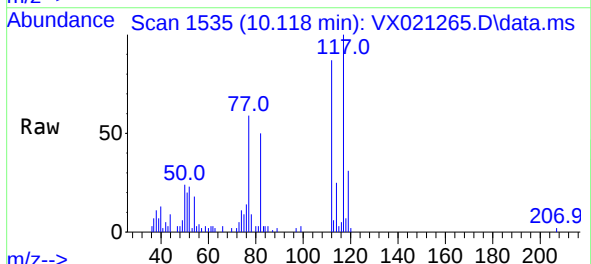
Instrument :  
MSVOA\_X  
ClientSampleId :  
MC-WC

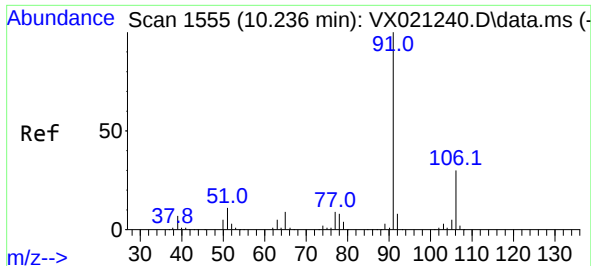
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|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 112642 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 59.3  | 47.4  | 71.2   |
| 119      | 32.9  | 26.6  | 39.8   |



#65  
Chlorobenzene  
Concen: 1.79 ug/l  
RT: 10.118 min Scan# 1535  
Delta R.T. -0.006 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 4151  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 28.6  | 25.8  | 38.6  |

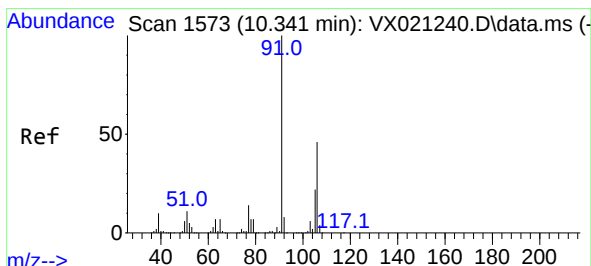
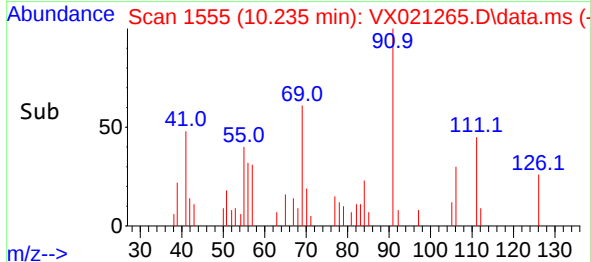
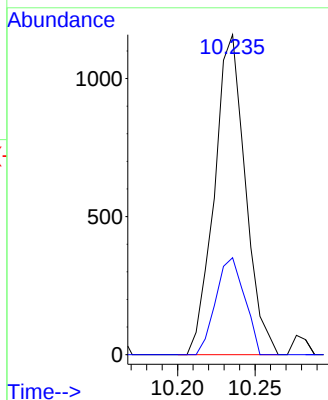
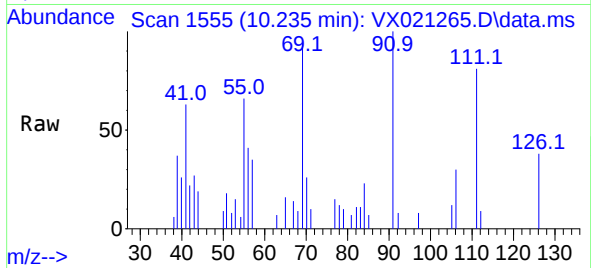




#67  
Ethyl Benzene  
Concen: 0.38 ug/l  
RT: 10.235 min Scan# 1555  
Delta R.T. -0.001 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

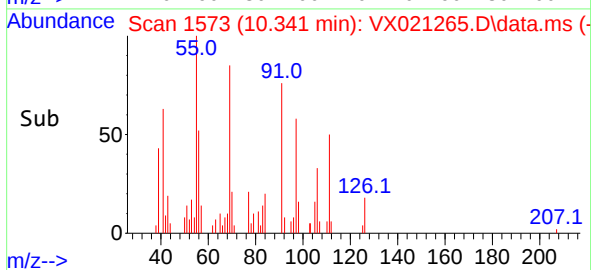
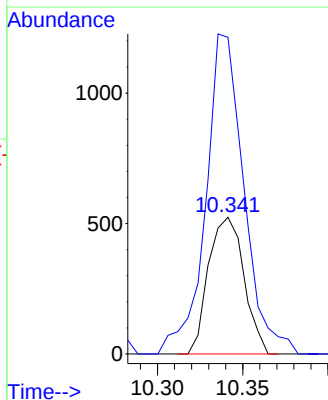
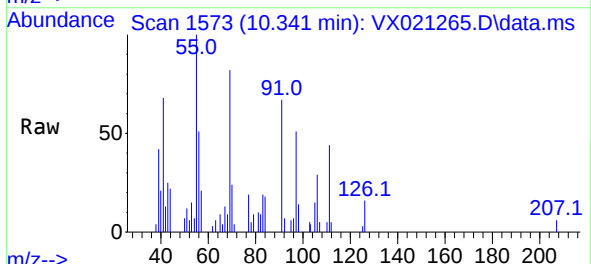
Instrument :  
MSVOA\_X  
ClientSampled :  
MC-WC

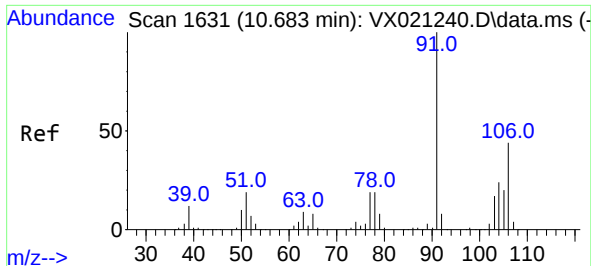
Tgt Ion: 91 Resp: 1610  
Ion Ratio Lower Upper  
91 100  
106 30.3 24.6 37.0



#68  
m/p-Xylenes  
Concen: 0.49 ug/l  
RT: 10.341 min Scan# 1573  
Delta R.T. 0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

Tgt Ion: 106 Resp: 757  
Ion Ratio Lower Upper  
106 100  
91 253.0 162.8 244.2#

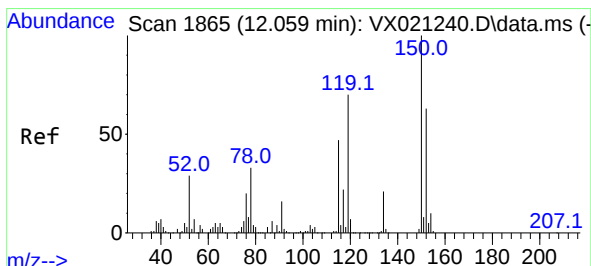
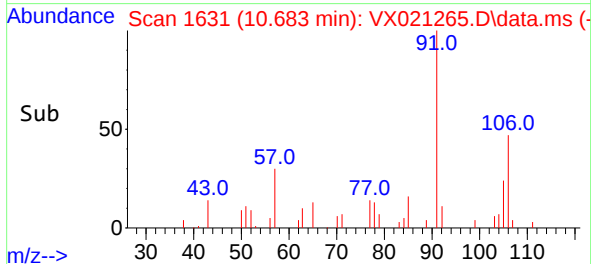
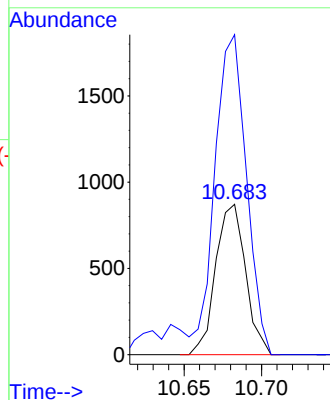
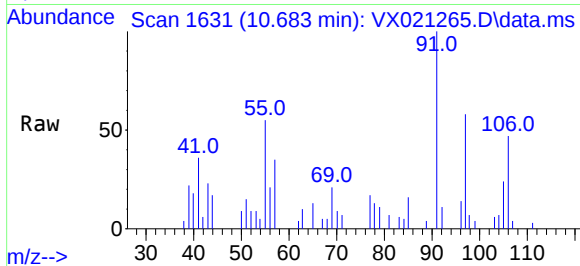




#69  
o-Xylene  
Concen: 0.79 ug/l  
RT: 10.683 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

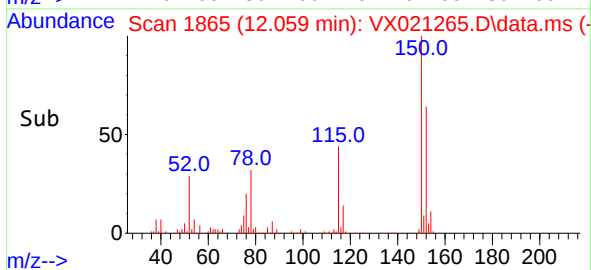
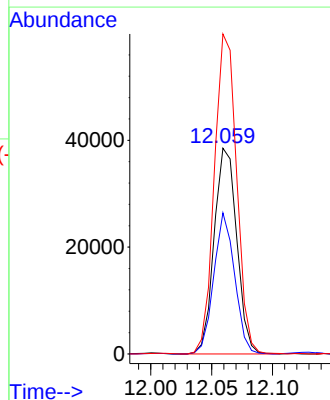
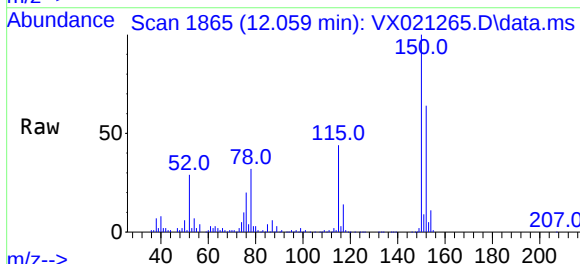
Instrument :  
MSVOA\_X  
ClientSampleId :  
MC-WC

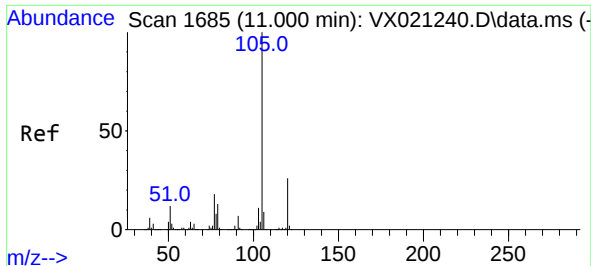
Tgt Ion:106 Resp: 1169  
Ion Ratio Lower Upper  
106 100  
91 224.0 108.1 324.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.059 min Scan# 1865  
Delta R.T. 0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

Tgt Ion:152 Resp: 49834  
Ion Ratio Lower Upper  
152 100  
115 63.2 41.1 123.3  
150 153.0 0.0 349.0

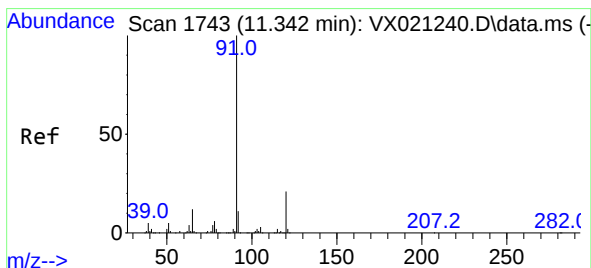
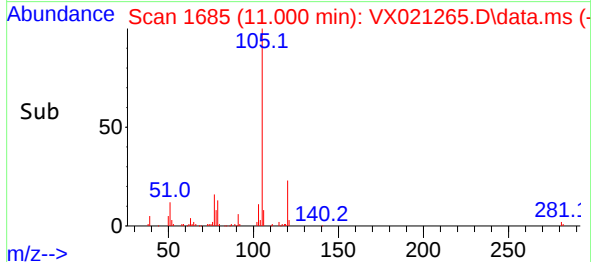
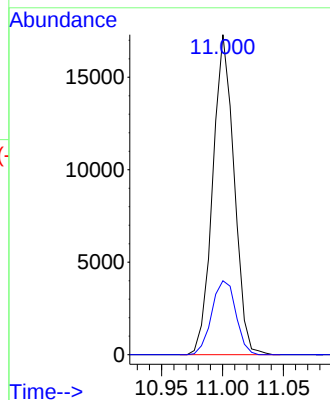
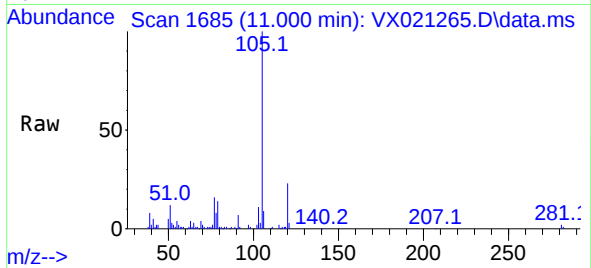




#73  
Isopropylbenzene  
Concen: 5.71 ug/l  
RT: 11.000 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

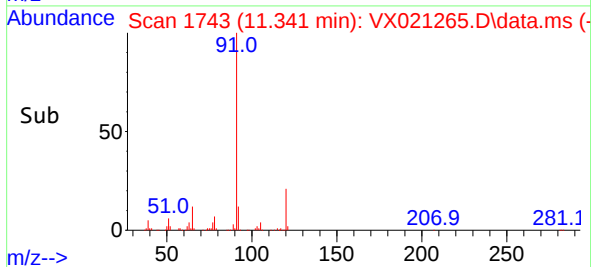
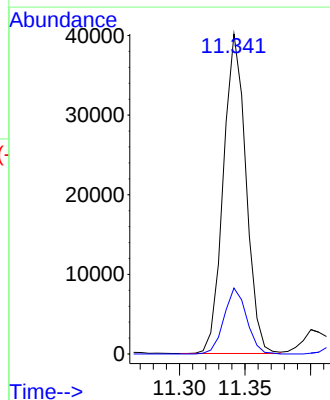
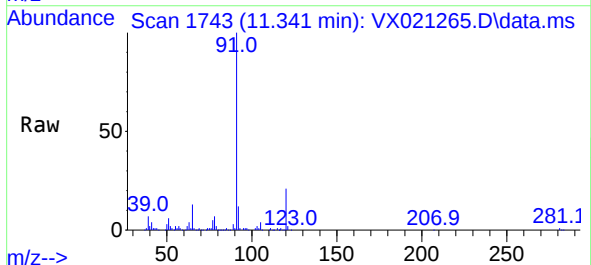
Instrument :  
MSVOA\_X  
ClientSampleId :  
MC-WC

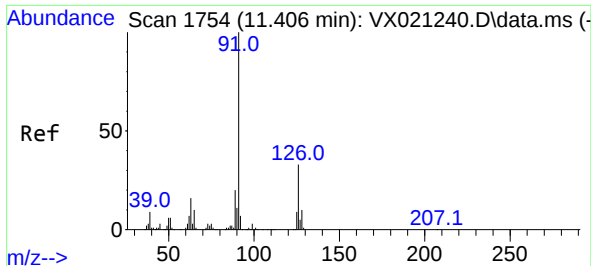
Tgt Ion:105 Resp: 21136  
Ion Ratio Lower Upper  
105 100  
120 26.0 13.2 39.6



#78  
n-propylbenzene  
Concen: 11.12 ug/l  
RT: 11.341 min Scan# 1743  
Delta R.T. -0.001 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

Tgt Ion: 91 Resp: 48139  
Ion Ratio Lower Upper  
91 100  
120 20.6 11.5 34.5

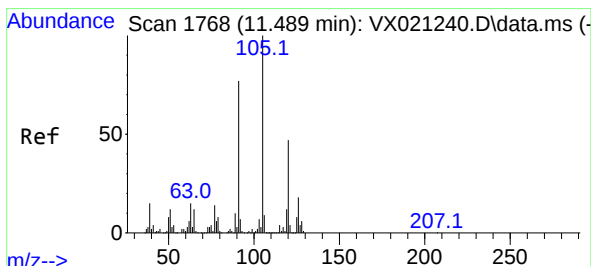
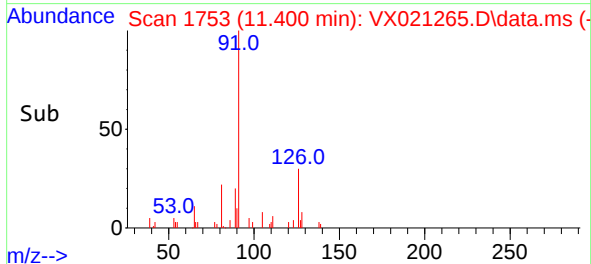
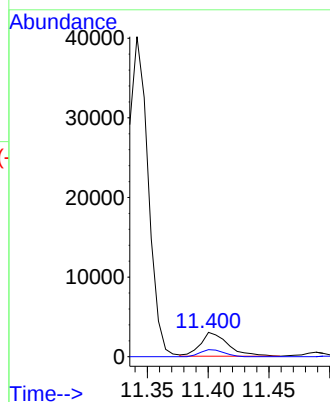
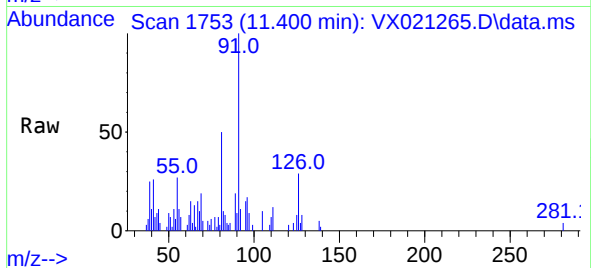




#79  
2-Chlorotoluene  
Concen: 1.79 ug/l  
RT: 11.400 min Scan# 1753  
Delta R.T. -0.006 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

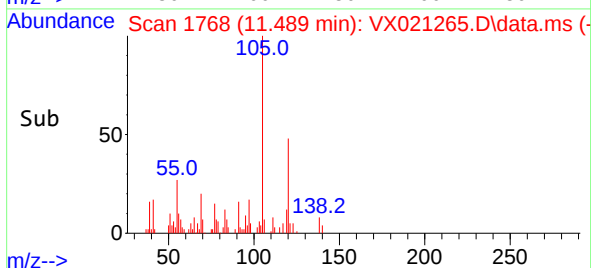
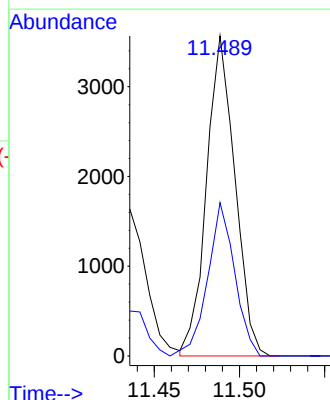
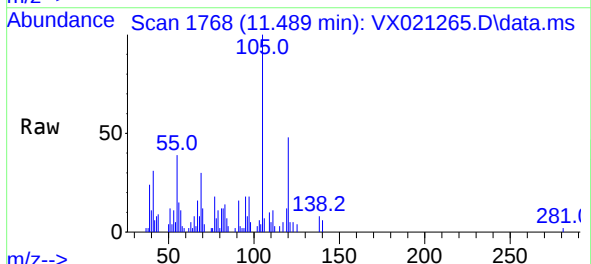
Instrument :  
MSVOA\_X  
ClientSampled :  
MC-WC

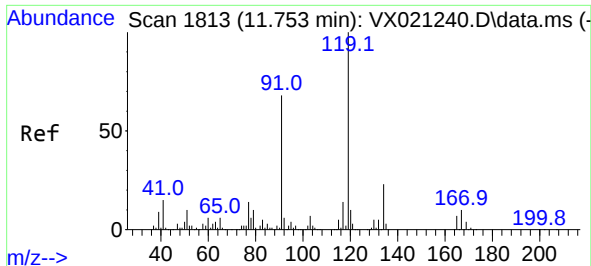
Tgt Ion: 91 Resp: 4694  
Ion Ratio Lower Upper  
91 100  
126 25.5 16.6 49.8



#80  
1,3,5-Trimethylbenzene  
Concen: 1.32 ug/l  
RT: 11.489 min Scan# 1768  
Delta R.T. -0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

Tgt Ion: 105 Resp: 4134  
Ion Ratio Lower Upper  
105 100  
120 45.6 23.8 71.5

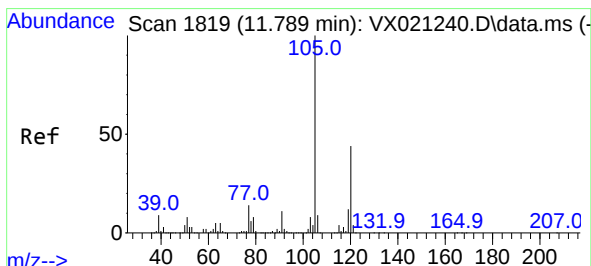
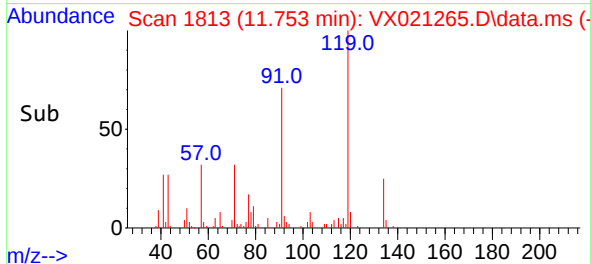
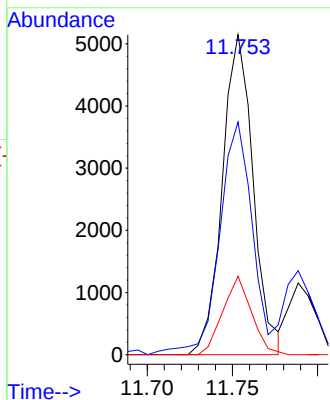
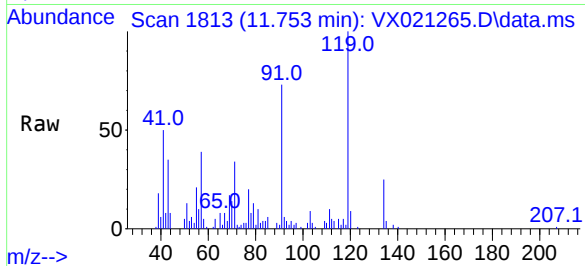




#83  
tert-Butylbenzene  
Concen: 2.18 ug/l  
RT: 11.753 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

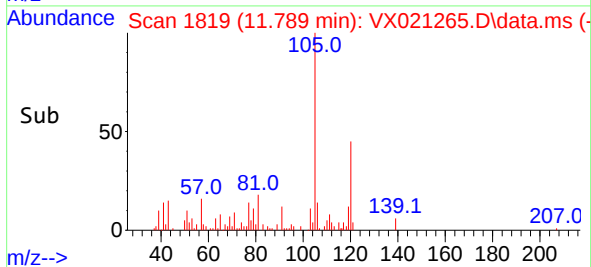
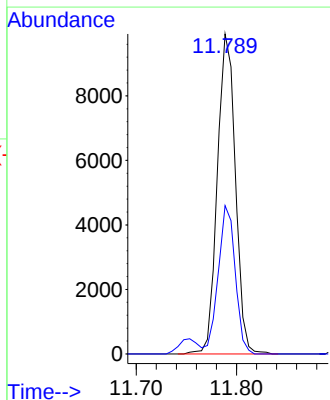
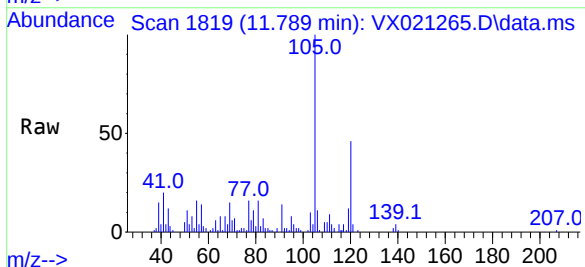
Instrument :  
MSVOA\_X  
ClientSampleId :  
MC-WC

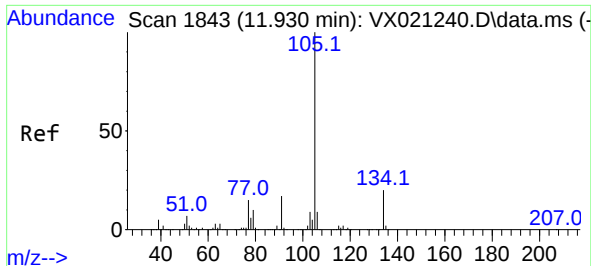
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 6489  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 91       | 76.2  | 27.9  | 83.7  |
| 134      | 22.8  | 11.3  | 33.9  |



#84  
1,2,4-Trimethylbenzene  
Concen: 3.89 ug/l  
RT: 11.789 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 12376 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 43.7  | 22.4  | 67.3  |

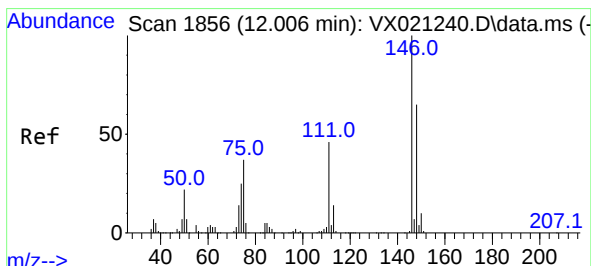
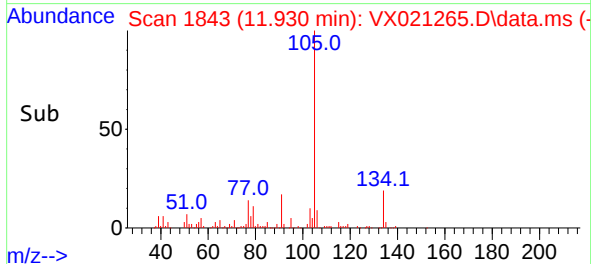
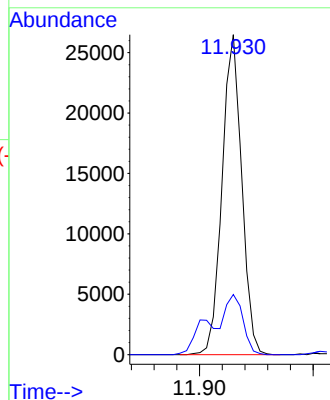
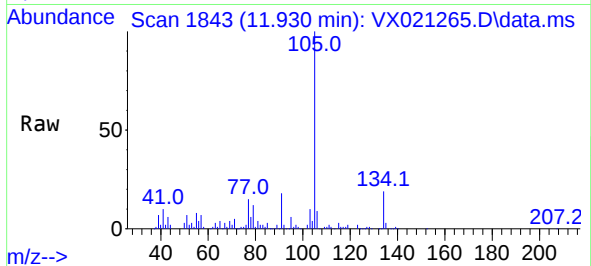




#85  
sec-Butylbenzene  
Concen: 9.05 ug/l  
RT: 11.930 min Scan# 1843  
Delta R.T. -0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

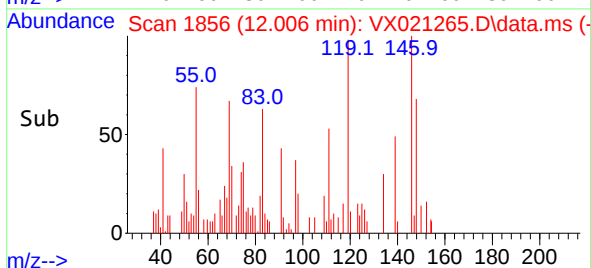
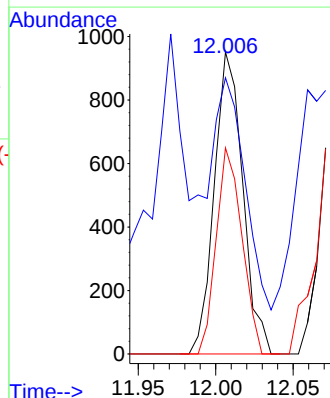
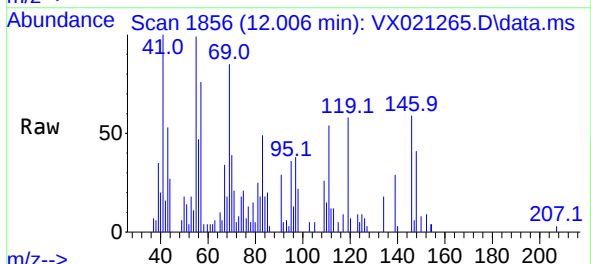
Instrument :  
MSVOA\_X  
ClientSampled :  
MC-WC

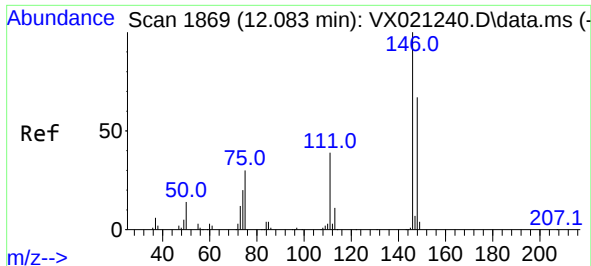
Tgt Ion:105 Resp: 31805  
Ion Ratio Lower Upper  
105 100  
134 16.8 10.0 29.8



#87  
1,3-Dichlorobenzene  
Concen: 0.76 ug/l  
RT: 12.006 min Scan# 1856  
Delta R.T. 0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

Tgt Ion:146 Resp: 1216  
Ion Ratio Lower Upper  
146 100  
111 78.9 20.2 60.5#  
148 61.4 31.9 95.7

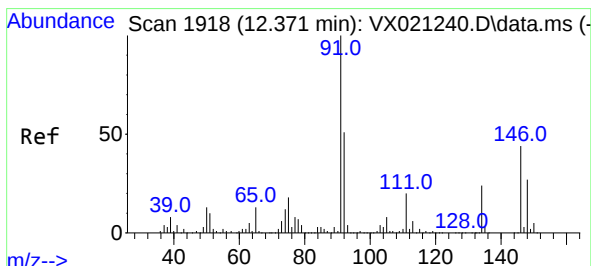
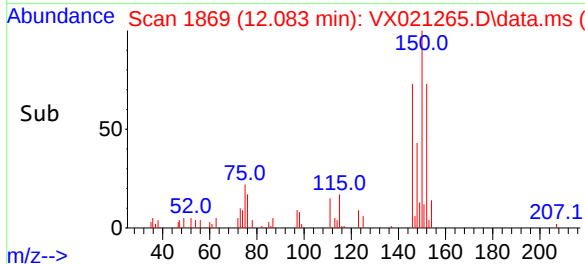
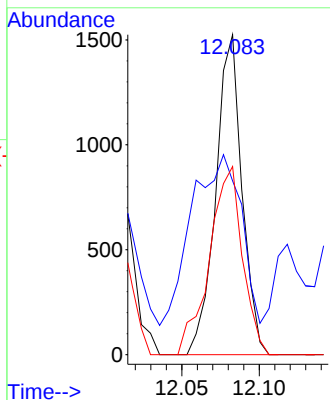
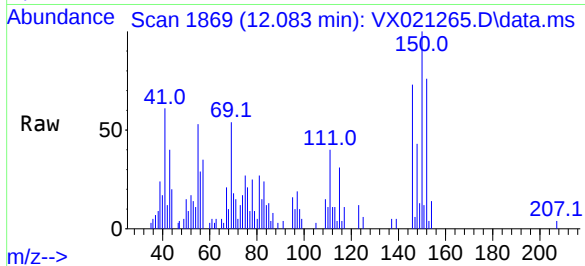




#88  
1,4-Dichlorobenzene  
Concen: 1.10 ug/l  
RT: 12.083 min Scan# 1869  
Delta R.T. -0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

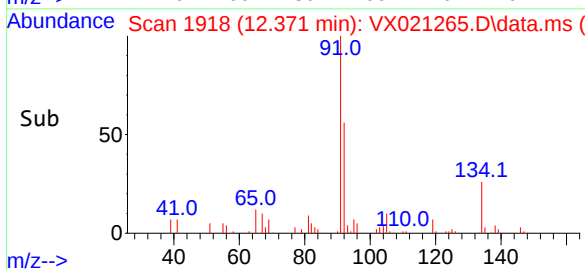
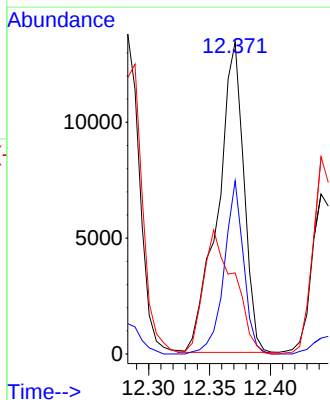
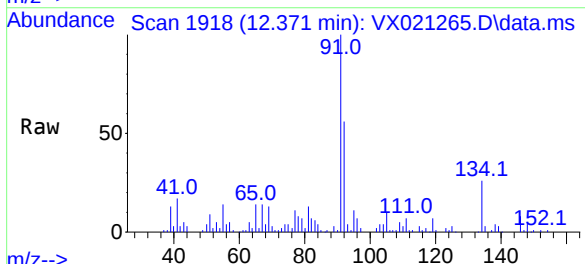
Instrument :  
MSVOA\_X  
ClientSampled :  
MC-WC

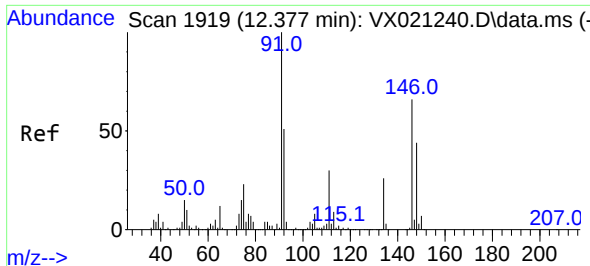
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:146 | Resp: | 1795        |
| Ion         | Ratio | Lower Upper |
| 146         | 100   |             |
| 111         | 99.5  | 19.6 58.8#  |
| 148         | 74.0  | 31.6 95.0   |



#89  
n-Butylbenzene  
Concen: 6.80 ug/l  
RT: 12.371 min Scan# 1918  
Delta R.T. 0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 91 | Resp: | 19949       |
| Ion         | Ratio | Lower Upper |
| 91          | 100   |             |
| 92          | 41.7  | 27.4 82.0   |
| 134         | 47.5  | 13.2 39.5#  |

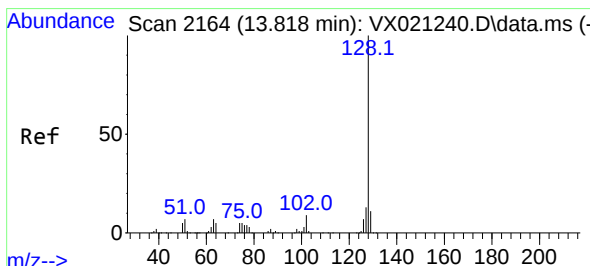
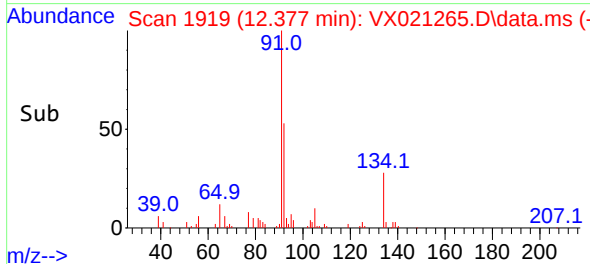
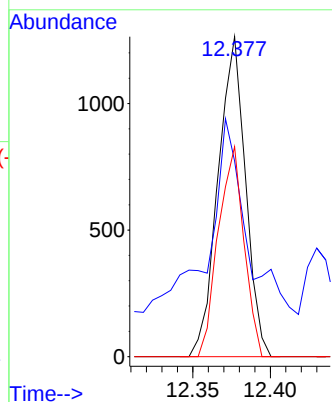
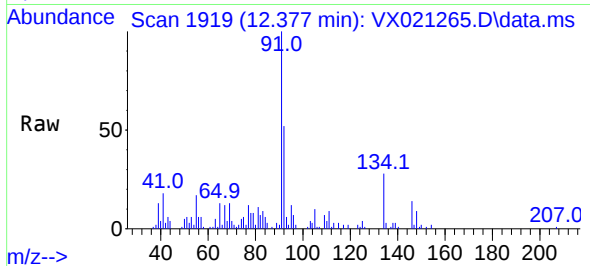




#91  
1,2-Dichlorobenzene  
Concen: 1.00 ug/l  
RT: 12.377 min Scan# 1919  
Delta R.T. -0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

Instrument :  
MSVOA\_X  
ClientSampled :  
MC-WC

Tgt Ion:146 Resp: 1556  
Ion Ratio Lower Upper  
146 100  
111 81.6 20.8 62.2#  
148 61.2 31.9 95.5



#95  
Naphthalene  
Concen: 2.41 ug/l  
RT: 13.818 min Scan# 2164  
Delta R.T. 0.000 min  
Lab File: VX021265.D  
Acq: 17 Mar 2021 12:44

Tgt Ion:128 Resp: 8536  
Ion Ratio Lower Upper  
128 100  
127 17.9 10.3 15.5#  
129 12.8 8.8 13.2

