

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU022221\  
 Data File : VU042384.D  
 Acq On : 22 Feb 2021 11:13  
 Operator : SY/MD  
 Sample : M1442-02 20X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VCP-BS-1-GW

Quant Time: Feb 22 13:37:00 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U021721W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 19 02:55:52 2021  
 Response via : Initial Calibration

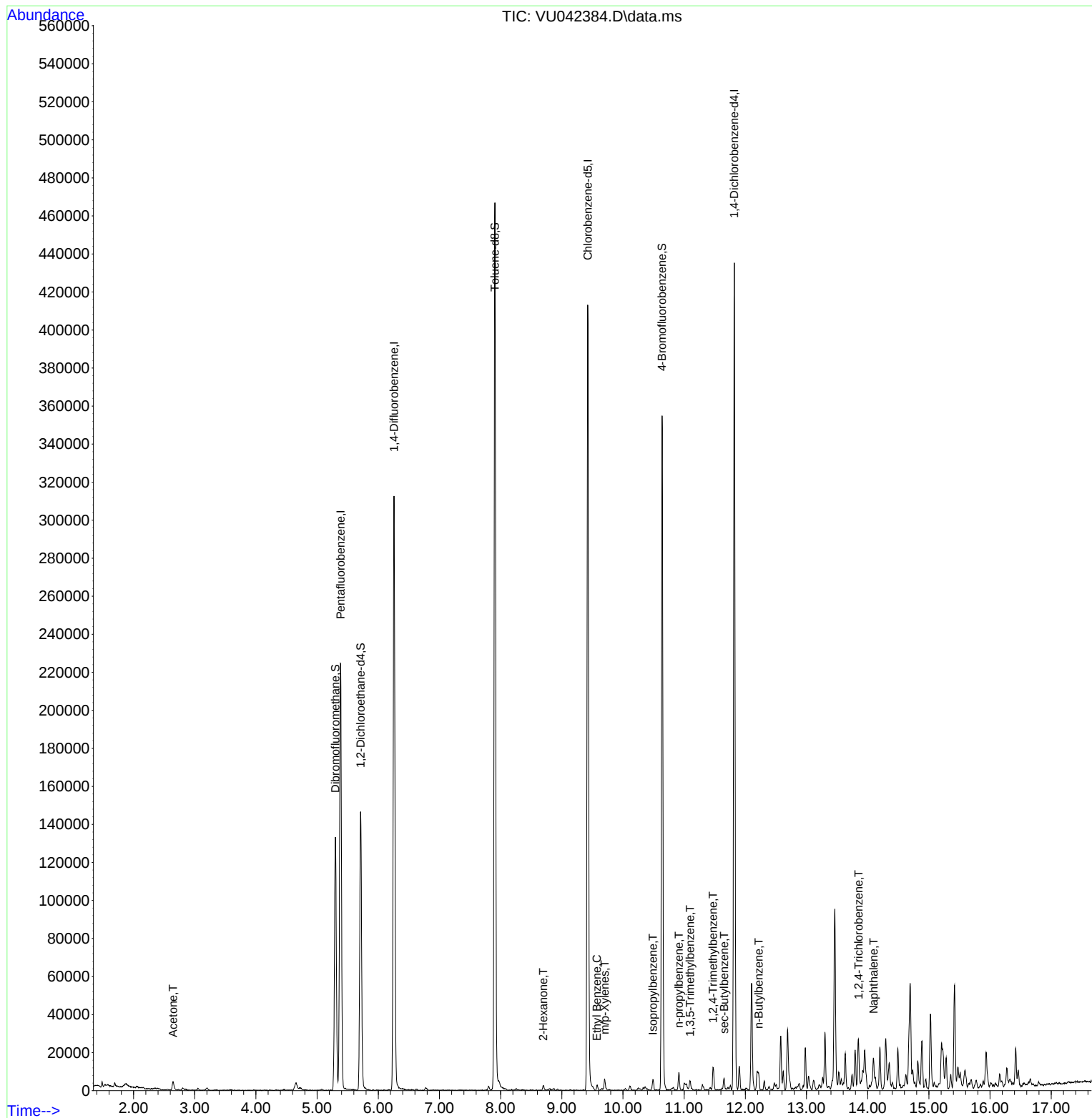
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) Pentafluorobenzene       | 5.385  | 168  | 158687   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.257  | 114  | 244188   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.424  | 117  | 219845   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.819 | 152  | 107901   | 50.00 | ug/l   | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.710  | 65   | 117439   | 48.80 | ug/l   | 0.00     |
| Spiked Amount 50.000        |        |      | Recovery | =     | 97.60% |          |
| 35) Dibromofluoromethane    | 5.298  | 113  | 83585    | 48.50 | ug/l   | 0.00     |
| Spiked Amount 50.000        |        |      | Recovery | =     | 97.00% |          |
| 50) Toluene-d8              | 7.906  | 98   | 299516   | 48.52 | ug/l   | 0.00     |
| Spiked Amount 50.000        |        |      | Recovery | =     | 97.04% |          |
| 62) 4-Bromofluorobenzene    | 10.639 | 95   | 108599   | 44.64 | ug/l   | 0.00     |
| Spiked Amount 50.000        |        |      | Recovery | =     | 89.28% |          |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       | Qvalue |          |
| 16) Acetone                 | 2.646  | 43   | 6274     | 4.20  | ug/l   | 96       |
| 59) 2-Hexanone              | 8.697  | 43   | 2065     | 0.69  | ug/l   | 95       |
| 67) Ethyl Benzene           | 9.575  | 91   | 2266     | 0.29  | ug/l   | 99       |
| 68) m/p-Xylenes             | 9.700  | 106  | 1508     | 0.51  | ug/l   | 97       |
| 73) Isopropylbenzene        | 10.491 | 105  | 3770     | 0.52  | ug/l   | 95       |
| 78) n-propylbenzene         | 10.912 | 91   | 7339     | 0.88  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene  | 11.096 | 105  | 2641     | 0.43  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene  | 11.472 | 105  | 6677     | 1.08  | ug/l   | 98       |
| 85) sec-Butylbenzene        | 11.652 | 105  | 4199     | 0.60  | ug/l   | 97       |
| 89) n-Butylbenzene          | 12.218 | 91   | 4475     | 0.78  | ug/l # | 73       |
| 93) 1,2,4-Trichlorobenzene  | 13.851 | 180  | 1466     | 2.28  | ug/l # | 66       |
| 95) Naphthalene             | 14.095 | 128  | 13696    | 4.02  | ug/l   | 98       |
| -----                       |        |      |          |       |        |          |

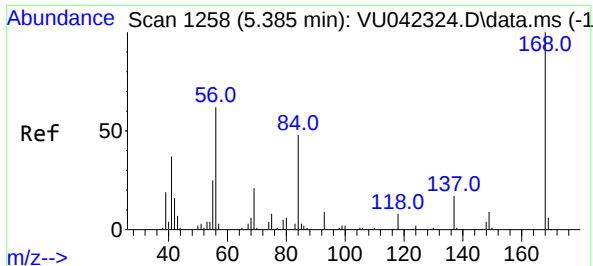
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU022221\  
Data File : VU042384.D  
Acq On : 22 Feb 2021 11:13  
Operator : SY/MD  
Sample : M1442-02 20X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-1-GW

Quant Time: Feb 22 13:37:00 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U021721W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 19 02:55:52 2021  
Response via : Initial Calibration

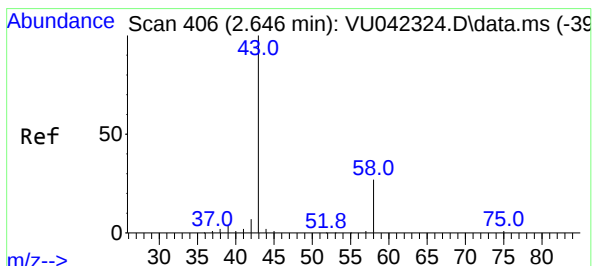
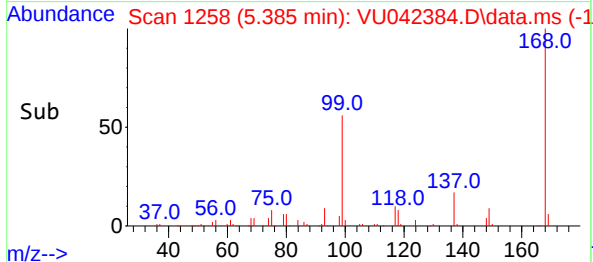
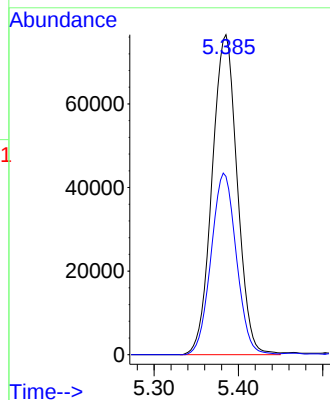
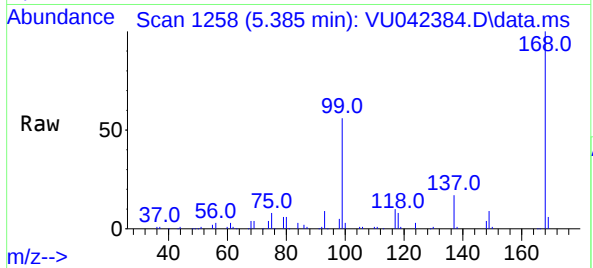




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.385 min Scan# 1258  
Delta R.T. 0.000 min  
Lab File: VU042384.D  
Acq: 22 Feb 2021 11:13

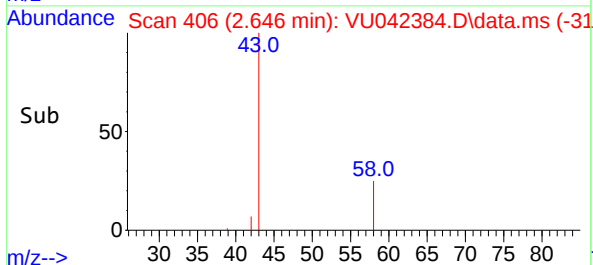
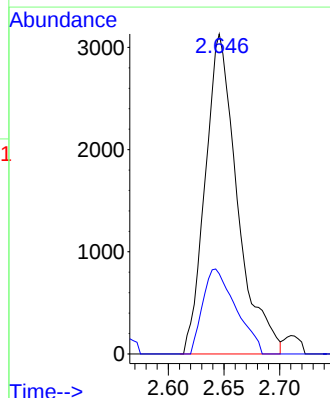
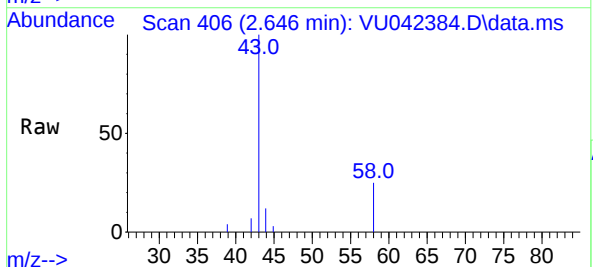
Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-1-GW

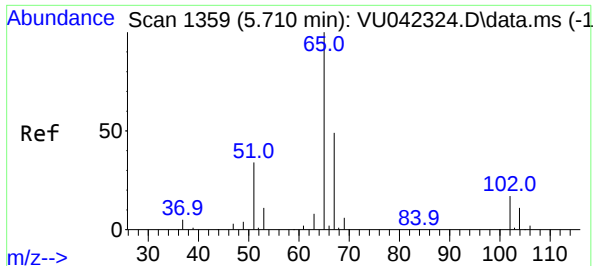
Tgt Ion:168 Resp: 158687  
Ion Ratio Lower Upper  
168 100  
99 55.7 45.0 67.4



#16  
Acetone  
Concen: 4.20 ug/l  
RT: 2.646 min Scan# 406  
Delta R.T. 0.000 min  
Lab File: VU042384.D  
Acq: 22 Feb 2021 11:13

Tgt Ion: 43 Resp: 6274  
Ion Ratio Lower Upper  
43 100  
58 25.0 21.5 32.3



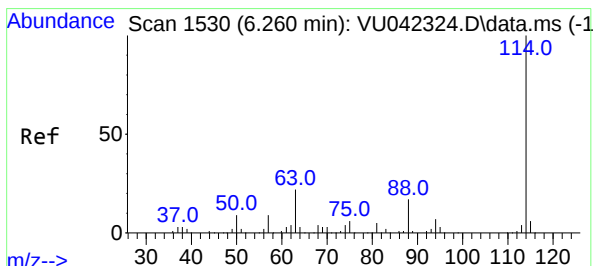
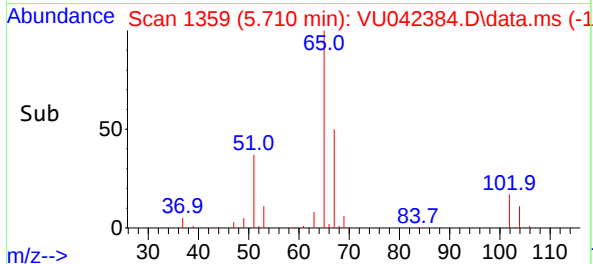
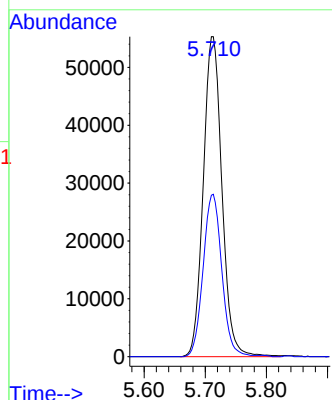
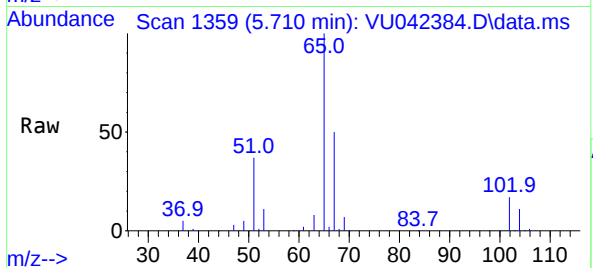


#33

1,2-Dichloroethane-d4  
Concen: 48.80 ug/l  
RT: 5.710 min Scan# 1359  
Delta R.T. 0.000 min  
Lab File: VU042384.D  
Acq: 22 Feb 2021 11:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-1-GW

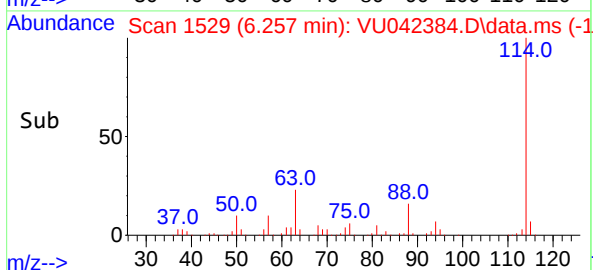
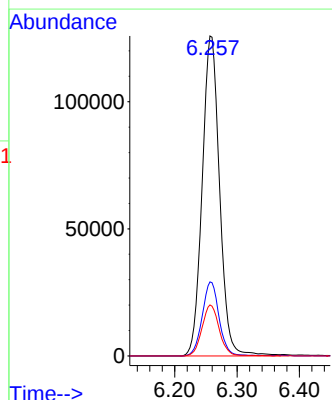
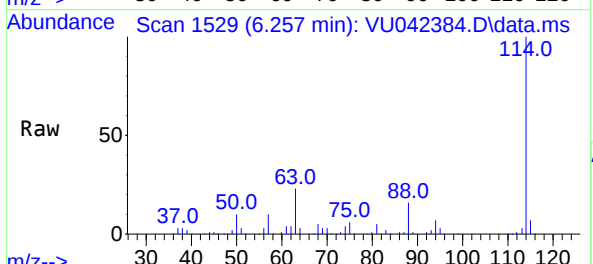
Tgt Ion: 65 Resp: 117439  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 99.8

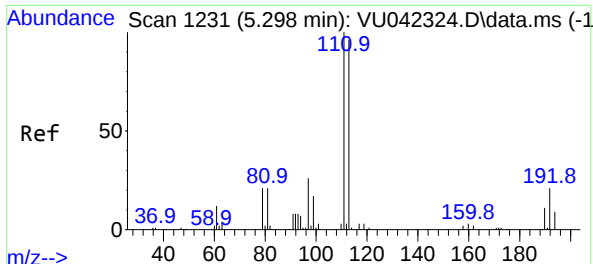


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.257 min Scan# 1529  
Delta R.T. -0.003 min  
Lab File: VU042384.D  
Acq: 22 Feb 2021 11:13

Tgt Ion: 114 Resp: 244188  
Ion Ratio Lower Upper  
114 100  
63 23.2 0.0 44.2  
88 16.0 0.0 33.4



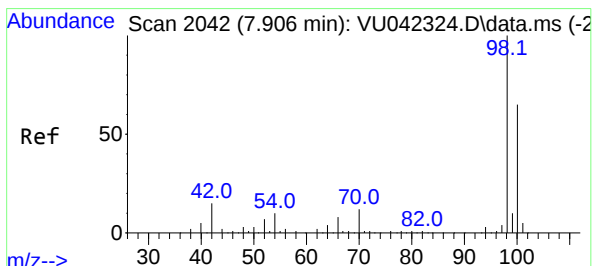
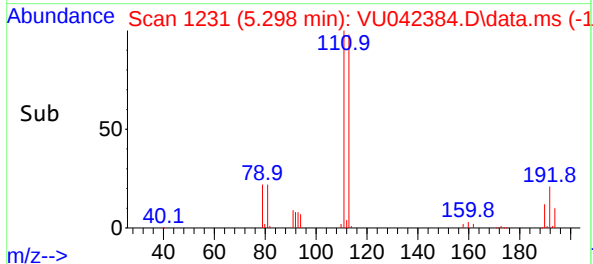
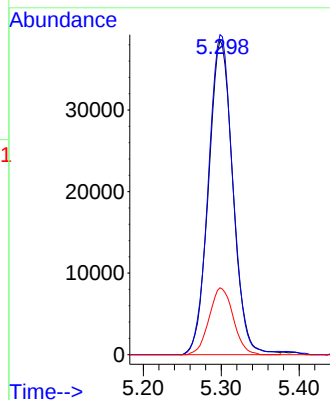
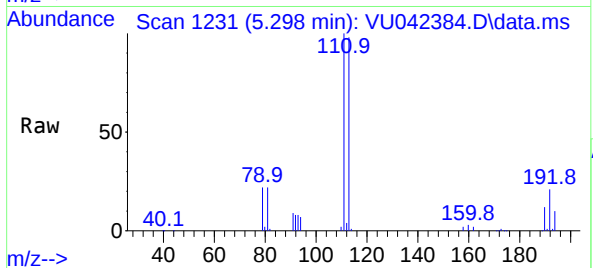


#35  
Dibromofluoromethane  
Concen: 48.50 ug/l  
RT: 5.298 min Scan# 1231  
Delta R.T. 0.000 min  
Lab File: VU042384.D  
Acq: 22 Feb 2021 11:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-1-GW

Tgt Ion:113 Resp: 83585

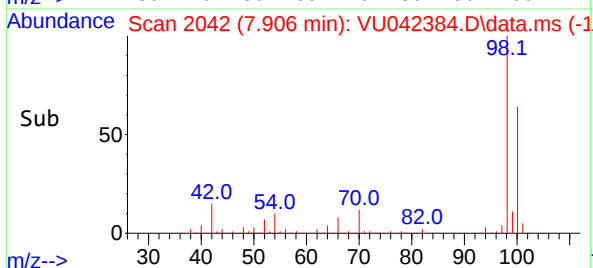
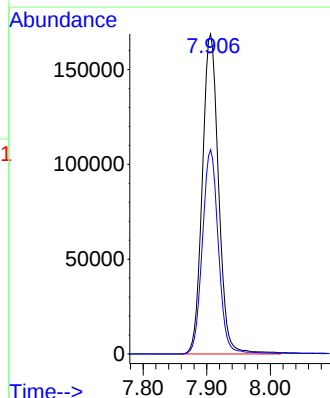
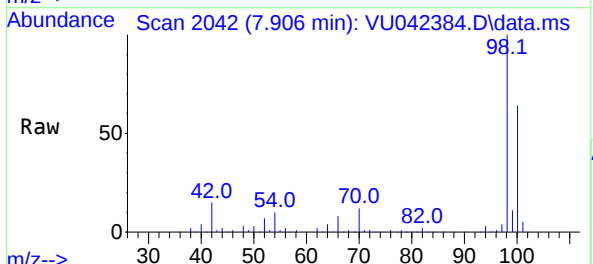
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 101.7 | 81.8  | 122.8 |
| 192 | 21.1  | 17.2  | 25.8  |

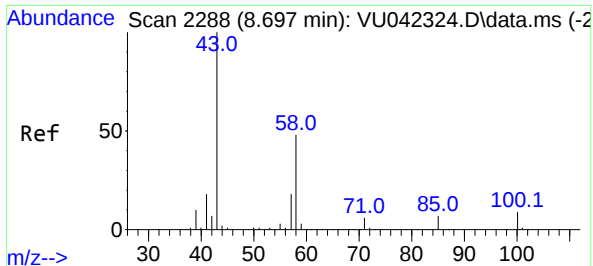


#50  
Toluene-d8  
Concen: 48.52 ug/l  
RT: 7.906 min Scan# 2042  
Delta R.T. 0.000 min  
Lab File: VU042384.D  
Acq: 22 Feb 2021 11:13

Tgt Ion: 98 Resp: 299516

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 62.9  | 50.2  | 75.2  |

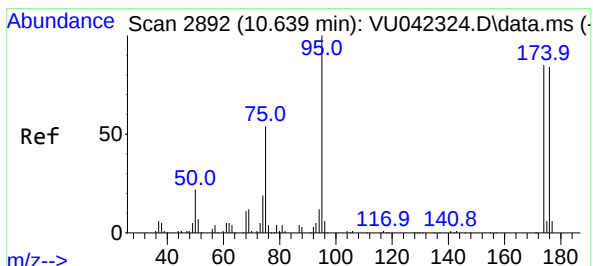
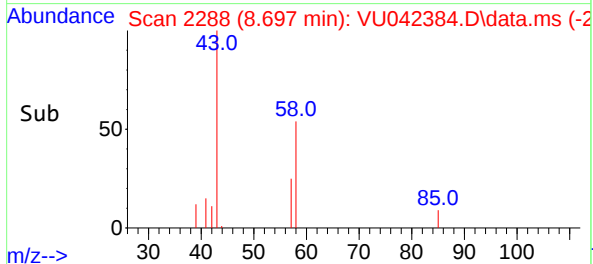
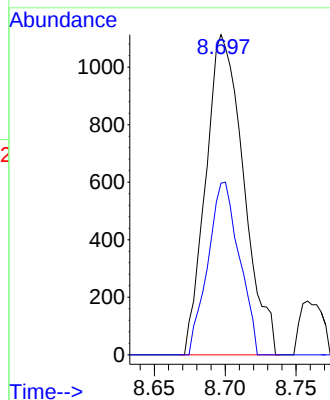
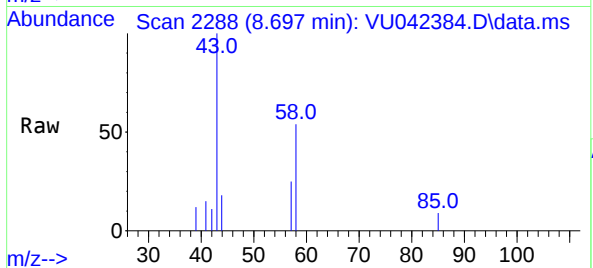




#59  
2-Hexanone  
Concen: 0.69 ug/l  
RT: 8.697 min Scan# 2288  
Delta R.T. 0.000 min  
Lab File: VU042384.D  
Acq: 22 Feb 2021 11:13

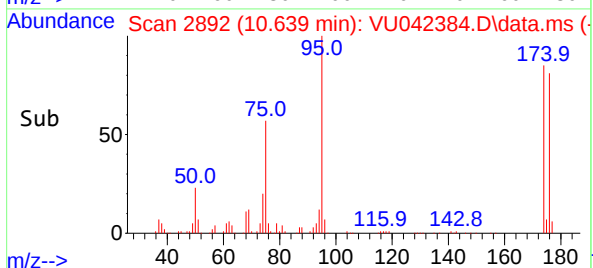
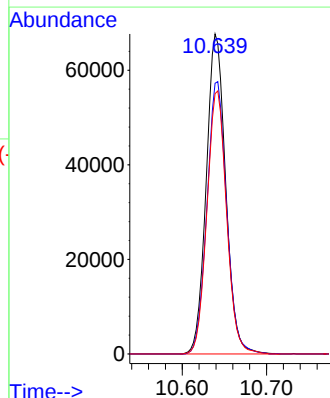
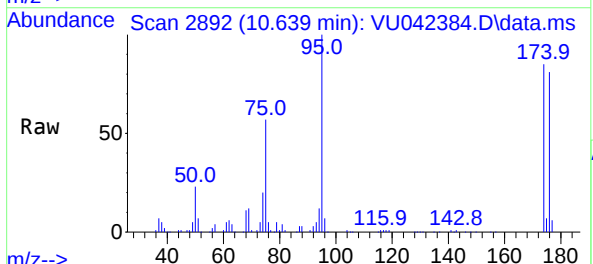
Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-1-GW

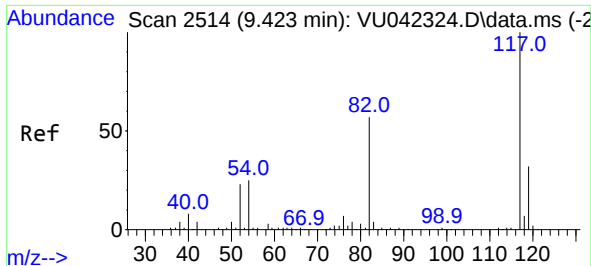
Tgt Ion: 43 Resp: 2065  
Ion Ratio Lower Upper  
43 100  
58 44.7 24.0 72.0



#62  
4-Bromofluorobenzene  
Concen: 44.64 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. 0.000 min  
Lab File: VU042384.D  
Acq: 22 Feb 2021 11:13

Tgt Ion: 95 Resp: 108599  
Ion Ratio Lower Upper  
95 100  
174 86.6 0.0 172.2  
176 83.1 0.0 168.8

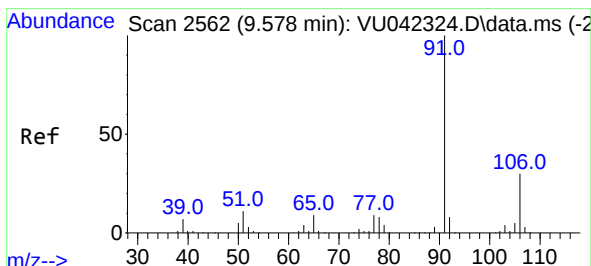
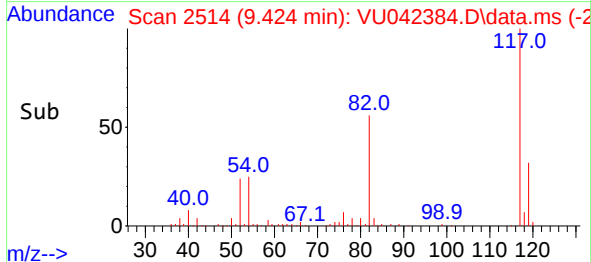
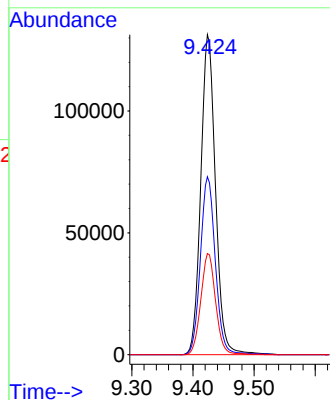
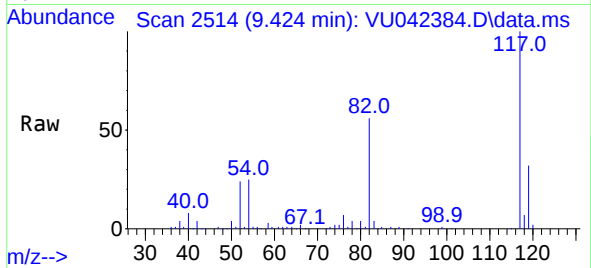




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.424 min Scan# 2514  
Delta R.T. 0.000 min  
Lab File: VU042384.D  
Acq: 22 Feb 2021 11:13

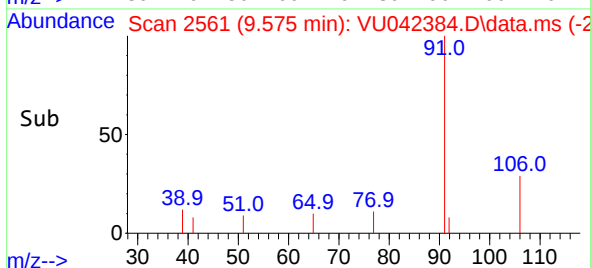
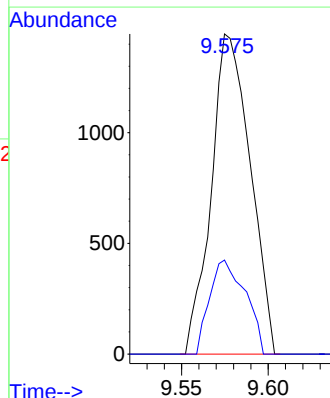
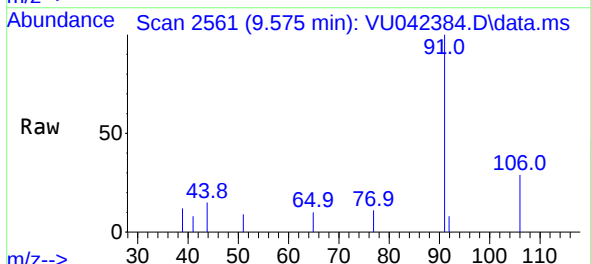
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MSVOA\_U  
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VCP-BS-1-GW

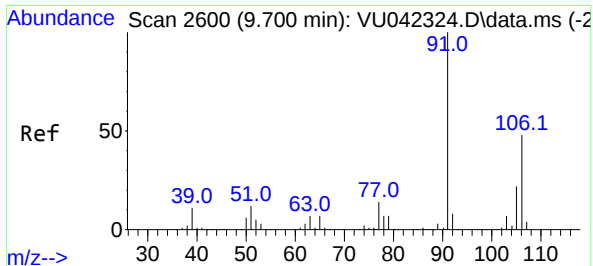
Tgt Ion:117 Resp: 219845  
Ion Ratio Lower Upper  
117 100  
82 55.6 45.8 68.6  
119 31.6 25.8 38.8



#67  
Ethyl Benzene  
Concen: 0.29 ug/l  
RT: 9.575 min Scan# 2561  
Delta R.T. -0.003 min  
Lab File: VU042384.D  
Acq: 22 Feb 2021 11:13

Tgt Ion: 91 Resp: 2266  
Ion Ratio Lower Upper  
91 100  
106 29.4 24.1 36.1

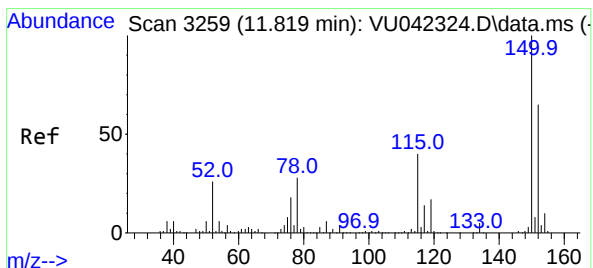
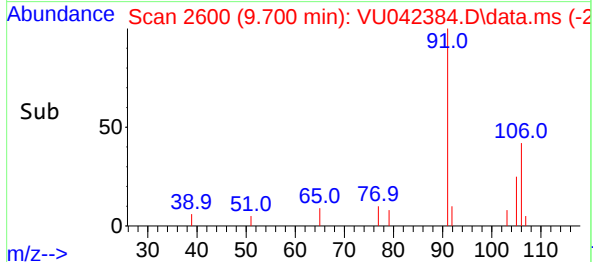
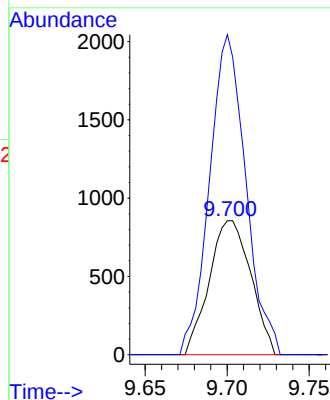
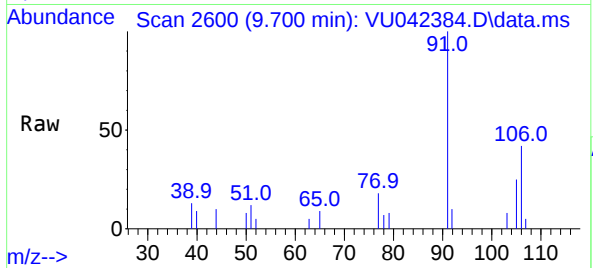




#68  
m/p-Xylenes  
Concen: 0.51 ug/l  
RT: 9.700 min Scan# 2600  
Delta R.T. 0.000 min  
Lab File: VU042384.D  
Acq: 22 Feb 2021 11:13

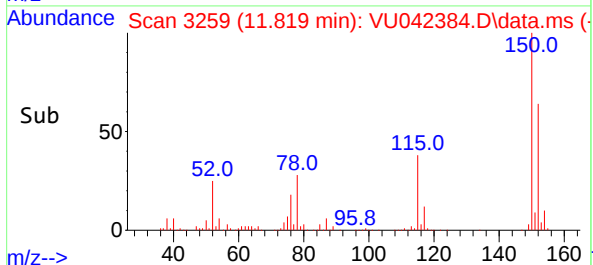
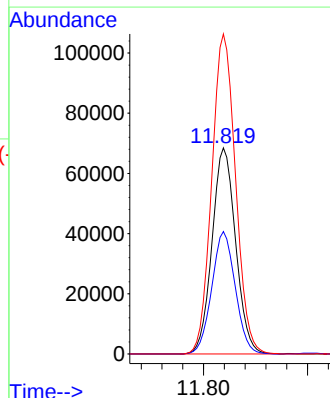
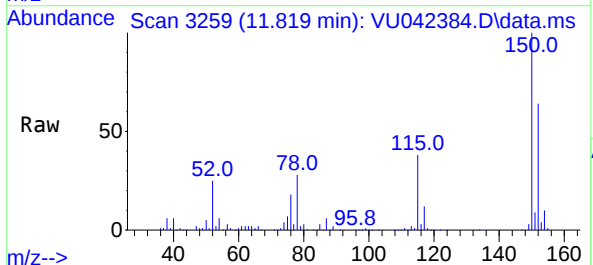
Instrument :  
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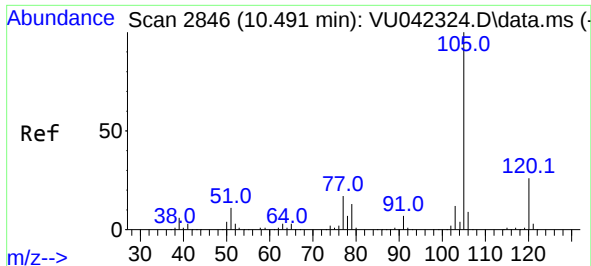
Tgt Ion:106 Resp: 1508  
Ion Ratio Lower Upper  
106 100  
91 207.8 169.9 254.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 11.819 min Scan# 3259  
Delta R.T. 0.000 min  
Lab File: VU042384.D  
Acq: 22 Feb 2021 11:13

Tgt Ion:152 Resp: 107901  
Ion Ratio Lower Upper  
152 100  
115 59.0 41.5 124.6  
150 156.4 0.0 342.4

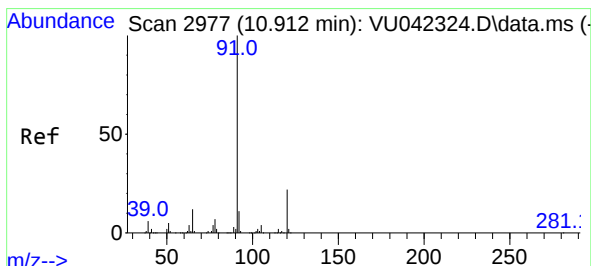
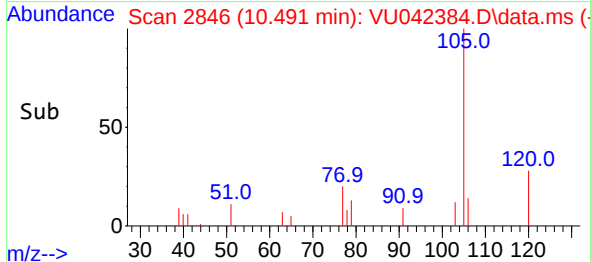
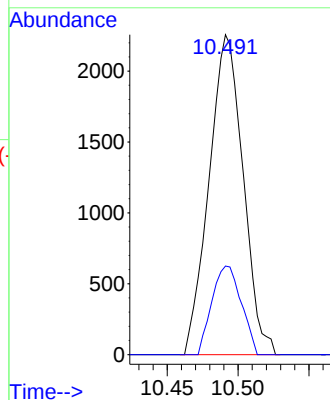
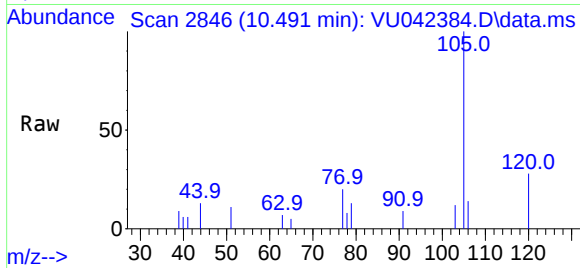




#73  
Isopropylbenzene  
Concen: 0.52 ug/l  
RT: 10.491 min Scan# 2846  
Delta R.T. 0.000 min  
Lab File: VU042384.D  
Acq: 22 Feb 2021 11:13

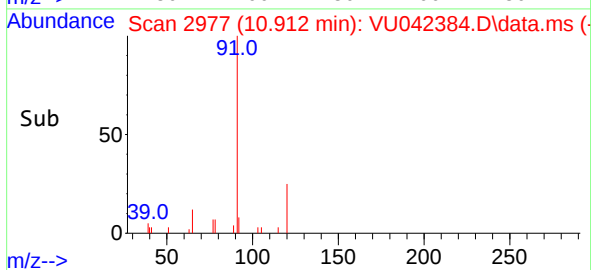
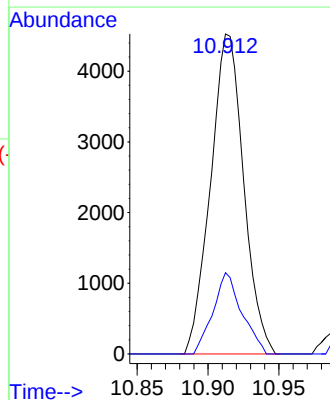
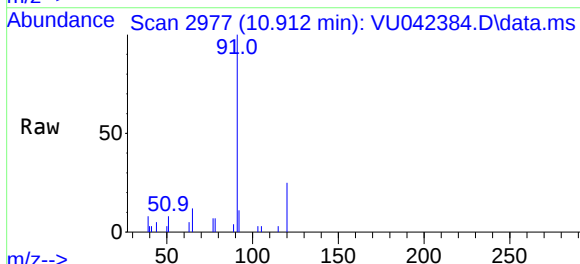
Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-1-GW

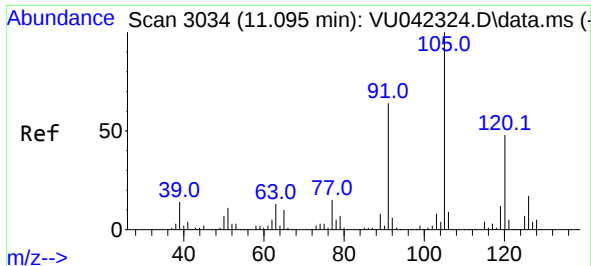
Tgt Ion:105 Resp: 3770  
Ion Ratio Lower Upper  
105 100  
120 23.9 13.1 39.3



#78  
n-propylbenzene  
Concen: 0.88 ug/l  
RT: 10.912 min Scan# 2977  
Delta R.T. 0.000 min  
Lab File: VU042384.D  
Acq: 22 Feb 2021 11:13

Tgt Ion: 91 Resp: 7339  
Ion Ratio Lower Upper  
91 100  
120 22.0 11.2 33.6

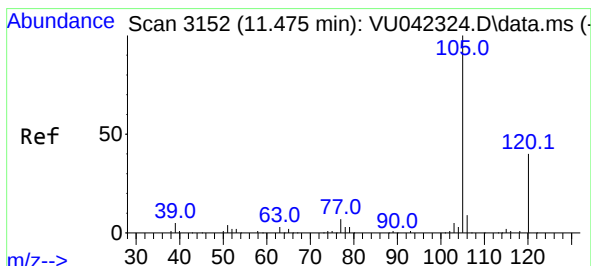
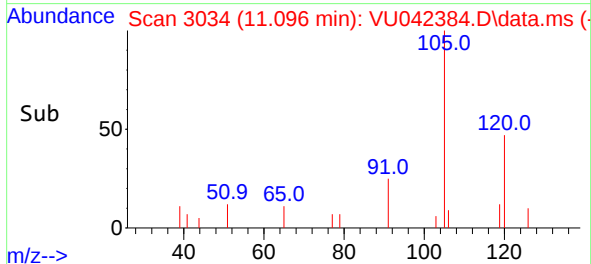
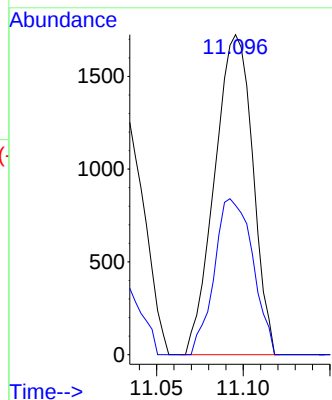
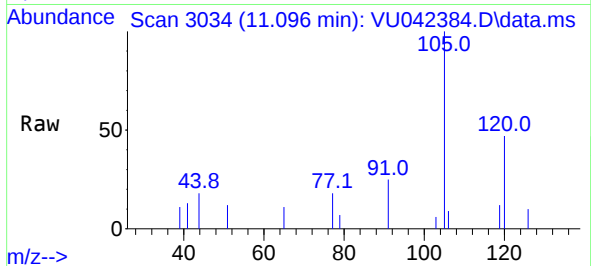




#80  
1,3,5-Trimethylbenzene  
Concen: 0.43 ug/l  
RT: 11.096 min Scan# 3034  
Delta R.T. 0.000 min  
Lab File: VU042384.D  
Acq: 22 Feb 2021 11:13

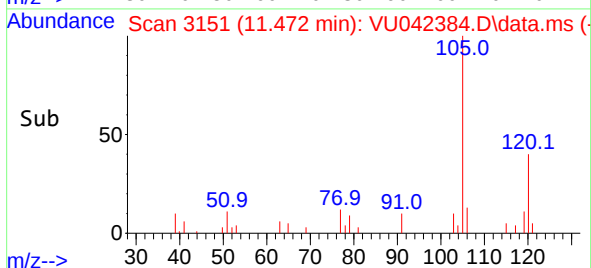
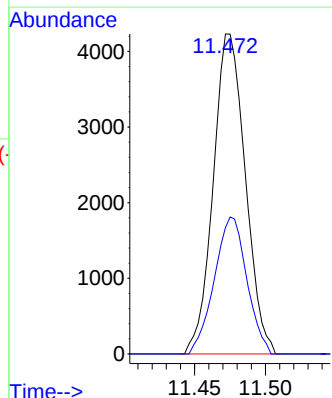
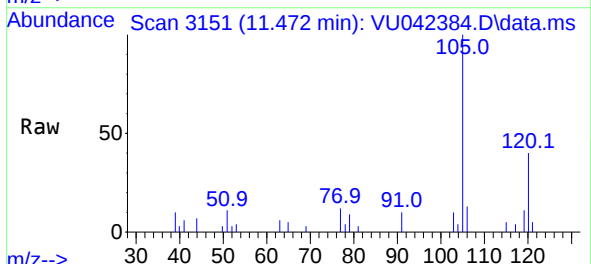
Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-1-GW

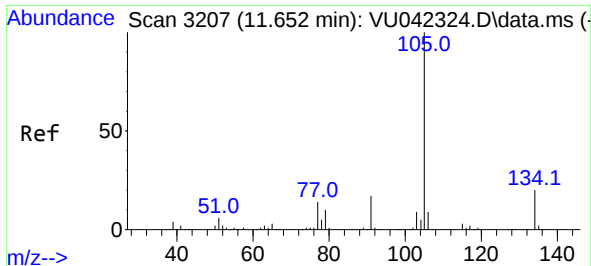
Tgt Ion:105 Resp: 2641  
Ion Ratio Lower Upper  
105 100  
120 49.1 23.8 71.4



#84  
1,2,4-Trimethylbenzene  
Concen: 1.08 ug/l  
RT: 11.472 min Scan# 3151  
Delta R.T. -0.003 min  
Lab File: VU042384.D  
Acq: 22 Feb 2021 11:13

Tgt Ion:105 Resp: 6677  
Ion Ratio Lower Upper  
105 100  
120 43.3 22.3 66.8

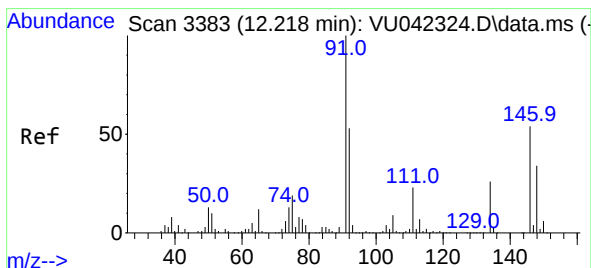
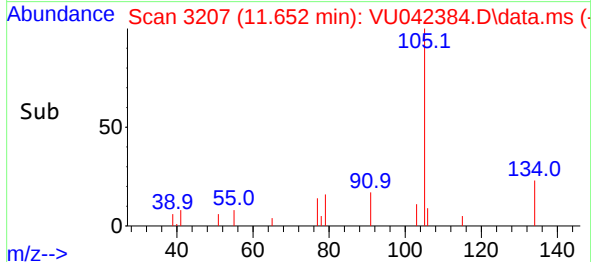
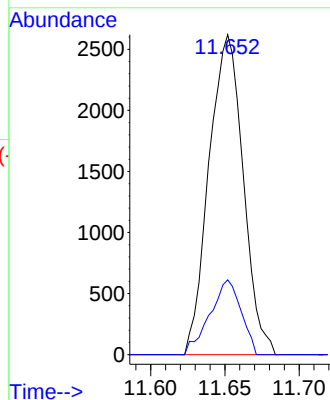
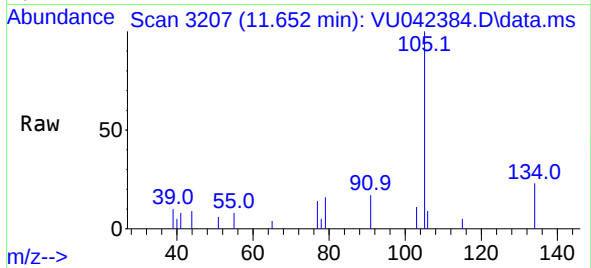




#85  
sec-Butylbenzene  
Concen: 0.60 ug/l  
RT: 11.652 min Scan# 3207  
Delta R.T. 0.000 min  
Lab File: VU042384.D  
Acq: 22 Feb 2021 11:13

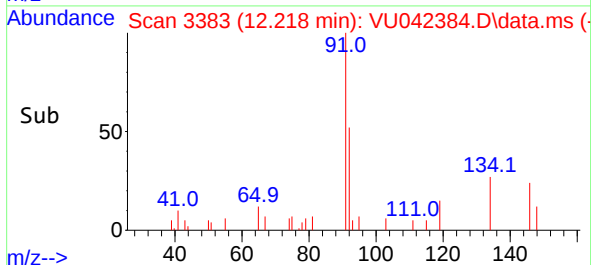
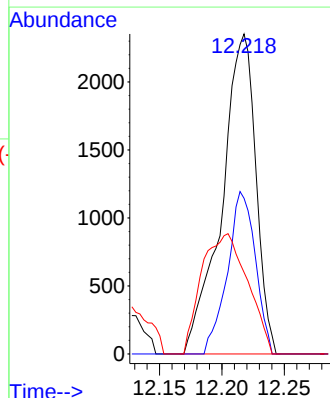
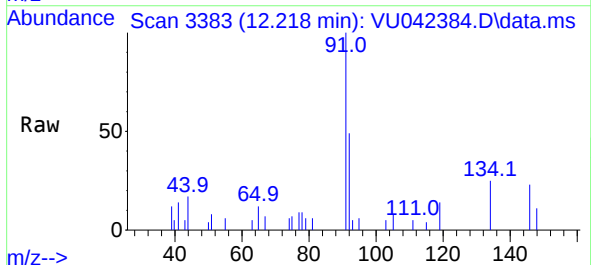
Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-1-GW

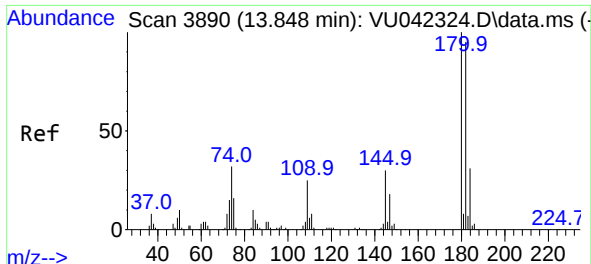
Tgt Ion:105 Resp: 4199  
Ion Ratio Lower Upper  
105 100  
134 21.3 10.0 30.0



#89  
n-Butylbenzene  
Concen: 0.78 ug/l  
RT: 12.218 min Scan# 3383  
Delta R.T. 0.000 min  
Lab File: VU042384.D  
Acq: 22 Feb 2021 11:13

Tgt Ion: 91 Resp: 4475  
Ion Ratio Lower Upper  
91 100  
92 41.6 26.2 78.6  
134 50.7 12.7 38.1#

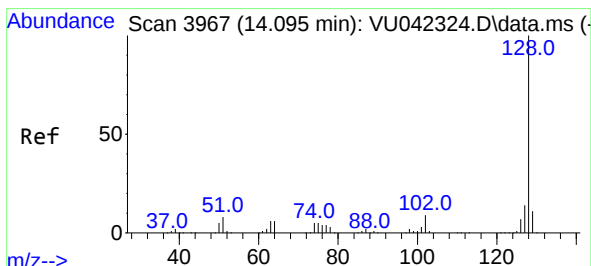
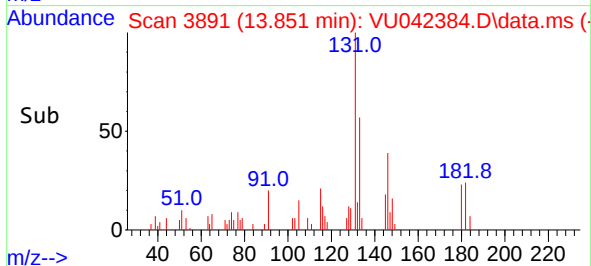
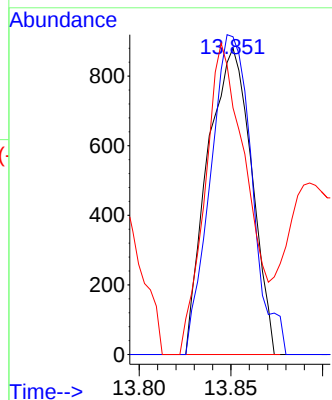
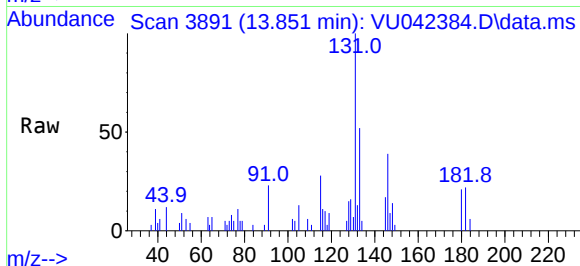




#93  
1,2,4-Trichlorobenzene  
Concen: 2.28 ug/l  
RT: 13.851 min Scan# 3891  
Delta R.T. 0.003 min  
Lab File: VU042384.D  
Acq: 22 Feb 2021 11:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-1-GW

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 1466  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 98.7  | 46.9  | 140.8 |
| 145       | 96.6  | 14.4  | 43.4# |



#95  
Naphthalene  
Concen: 4.02 ug/l  
RT: 14.095 min Scan# 3967  
Delta R.T. 0.000 min  
Lab File: VU042384.D  
Acq: 22 Feb 2021 11:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 13696 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.8  | 10.8  | 16.2  |
| 129       | 12.0  | 8.6   | 13.0  |

