

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU022221\  
 Data File : VU042391.D  
 Acq On : 22 Feb 2021 13:54  
 Operator : SY/MD  
 Sample : M1442-05  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VCP-BS-4-GW

Quant Time: Feb 22 14:53:44 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

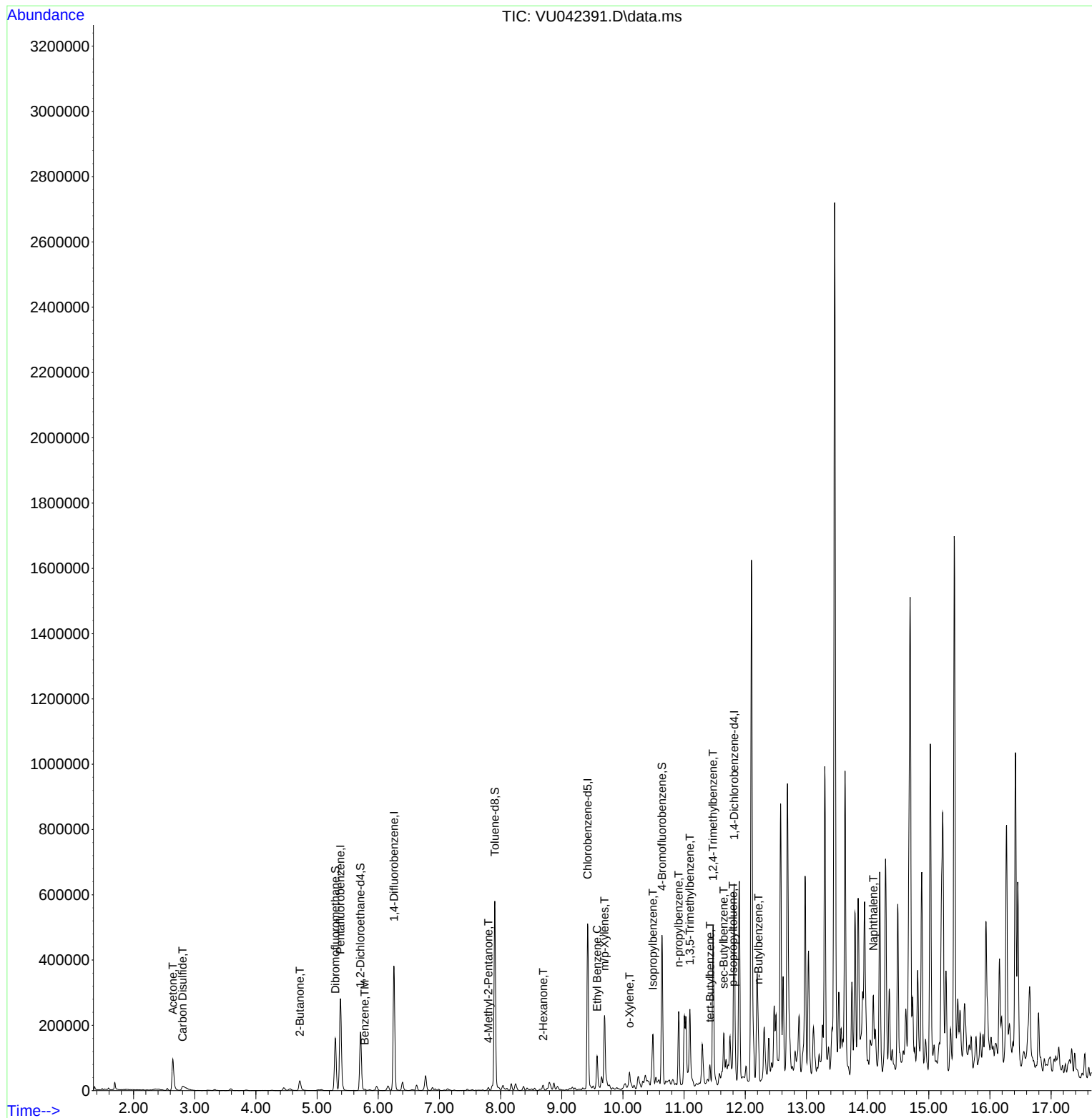
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) Pentafluorobenzene       | 5.382  | 168  | 199195   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.256  | 114  | 298488   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.423  | 117  | 269646   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.819 | 152  | 147744   | 50.00 | ug/l   | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.710  | 65   | 139709   | 46.25 | ug/l   | 0.00     |
| Spiked Amount 50.000        |        |      | Recovery | =     | 92.50% |          |
| 35) Dibromofluoromethane    | 5.298  | 113  | 99203    | 47.09 | ug/l   | 0.00     |
| Spiked Amount 50.000        |        |      | Recovery | =     | 94.18% |          |
| 50) Toluene-d8              | 7.906  | 98   | 365536   | 48.44 | ug/l   | 0.00     |
| Spiked Amount 50.000        |        |      | Recovery | =     | 96.88% |          |
| 62) 4-Bromofluorobenzene    | 10.639 | 95   | 142173   | 47.81 | ug/l   | 0.00     |
| Spiked Amount 50.000        |        |      | Recovery | =     | 95.62% |          |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       | Qvalue |          |
| 16) Acetone                 | 2.642  | 43   | 138835   | 74.09 | ug/l   | 98       |
| 17) Carbon Disulfide        | 2.800  | 76   | 3967     | 0.72  | ug/l   | 98       |
| 25) 2-Butanone              | 4.716  | 43   | 49212    | 19.75 | ug/l   | 96       |
| 40) Benzene                 | 5.780  | 78   | 1998     | 0.24  | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone    | 7.800  | 43   | 6291     | 1.38  | ug/l   | 100      |
| 59) 2-Hexanone              | 8.697  | 43   | 10484    | 2.88  | ug/l   | 95       |
| 67) Ethyl Benzene           | 9.578  | 91   | 59246    | 6.09  | ug/l   | 97       |
| 68) m/p-Xylenes             | 9.700  | 106  | 58623    | 16.30 | ug/l   | 99       |
| 69) o-Xylene                | 10.108 | 106  | 11997    | 3.41  | ug/l   | 100      |
| 73) Isopropylbenzene        | 10.491 | 105  | 94390    | 9.58  | ug/l   | 100      |
| 78) n-propylbenzene         | 10.912 | 91   | 170593   | 14.95 | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene  | 11.095 | 105  | 115457   | 13.64 | ug/l   | 99       |
| 83) tert-Butylbenzene       | 11.426 | 119  | 2563     | 0.31  | ug/l # | 87       |
| 84) 1,2,4-Trimethylbenzene  | 11.475 | 105  | 244181   | 28.82 | ug/l   | 100      |
| 85) sec-Butylbenzene        | 11.648 | 105  | 82473    | 8.54  | ug/l   | 92       |
| 86) p-Isopropyltoluene      | 11.799 | 119  | 25179    | 2.83  | ug/l   | 96       |
| 89) n-Butylbenzene          | 12.214 | 91   | 82156    | 10.50 | ug/l # | 51       |
| 95) Naphthalene             | 14.095 | 128  | 182455   | 19.83 | ug/l # | 94       |
| -----                       |        |      |          |       |        |          |

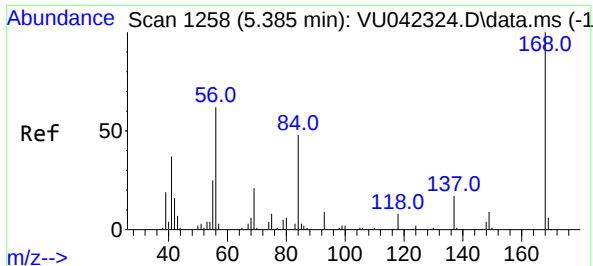
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-4-GW

Quant Time: Feb 22 14:53:44 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

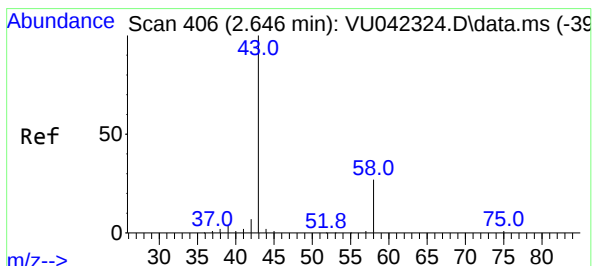
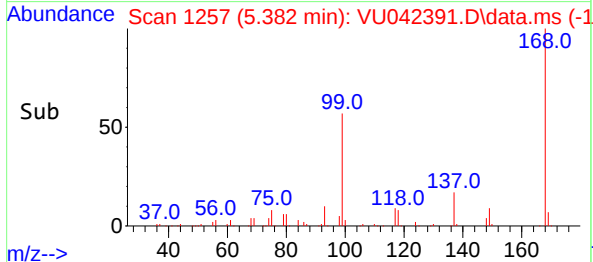
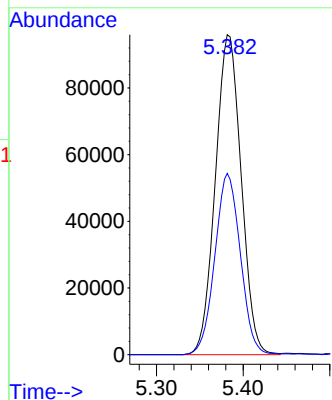
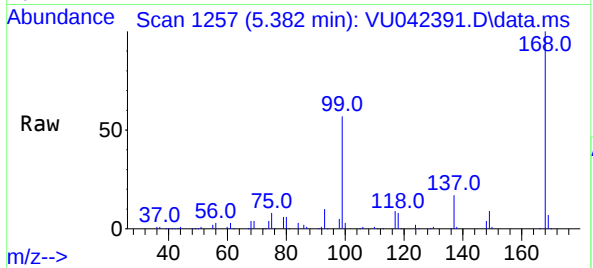




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.003 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

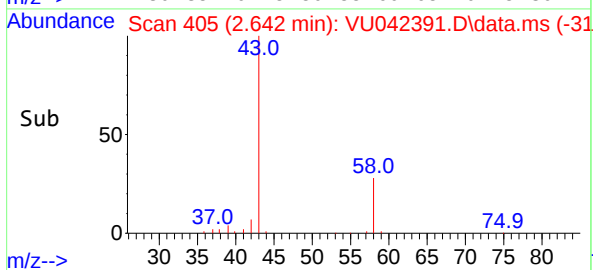
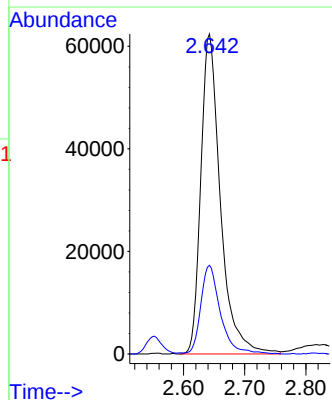
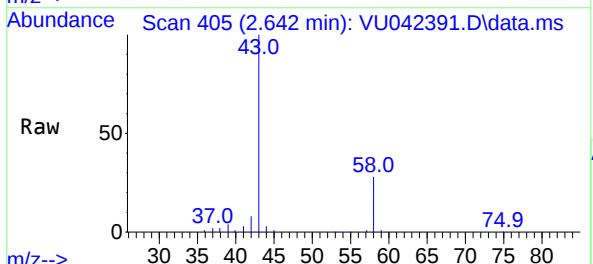
Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-4-GW

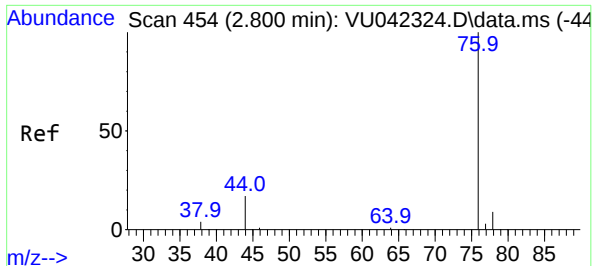
Tgt Ion:168 Resp: 199195  
Ion Ratio Lower Upper  
168 100  
99 56.7 45.0 67.4



#16  
Acetone  
Concen: 74.09 ug/l  
RT: 2.642 min Scan# 405  
Delta R.T. -0.003 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

Tgt Ion: 43 Resp: 138835  
Ion Ratio Lower Upper  
43 100  
58 27.7 21.5 32.3

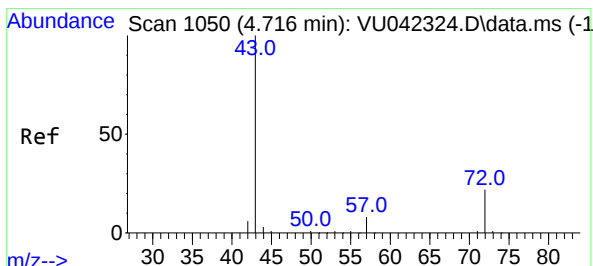
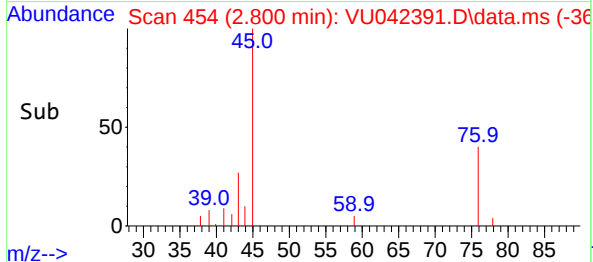
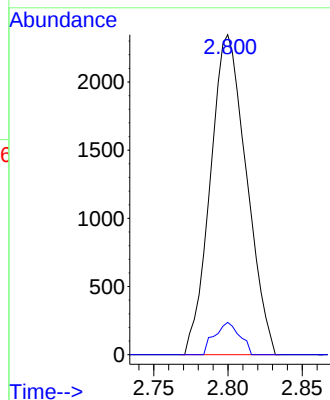
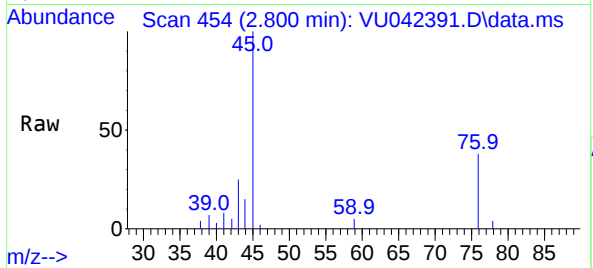




#17  
Carbon Disulfide  
Concen: 0.72 ug/l  
RT: 2.800 min Scan# 454  
Delta R.T. -0.000 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

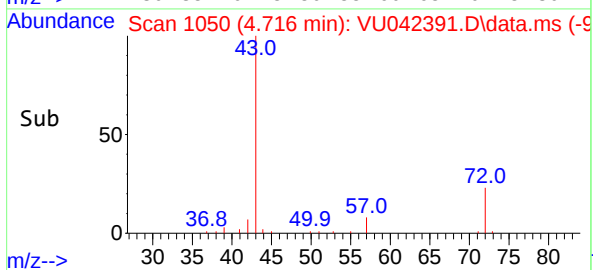
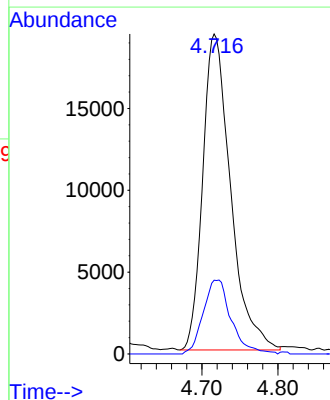
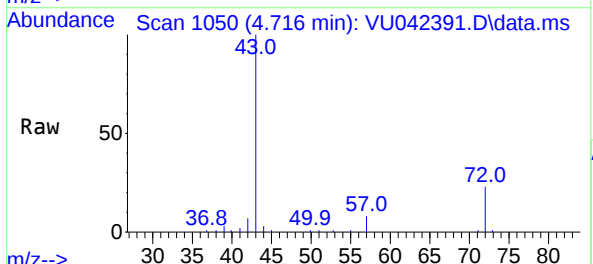
Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-4-GW

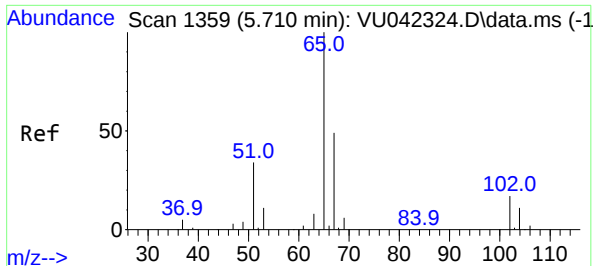
Tgt Ion: 76 Resp: 3967  
Ion Ratio Lower Upper  
76 100  
78 10.1 7.5 11.3



#25  
2-Butanone  
Concen: 19.75 ug/l  
RT: 4.716 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

Tgt Ion: 43 Resp: 49212  
Ion Ratio Lower Upper  
43 100  
72 23.4 17.4 26.0

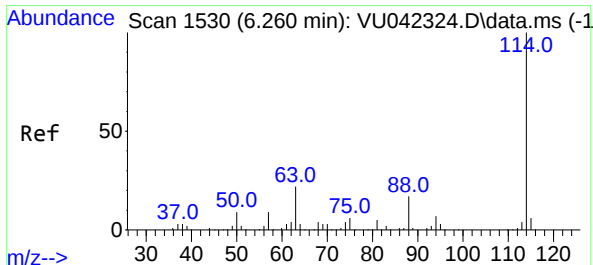
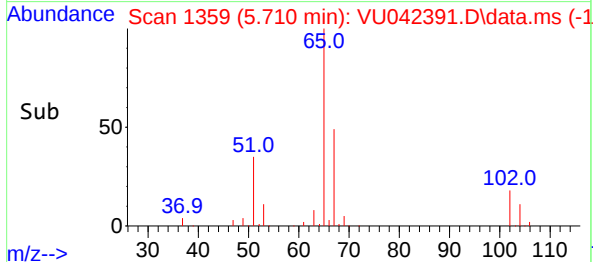
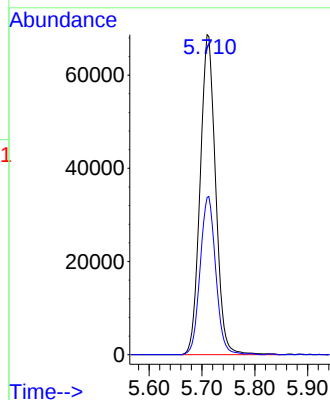
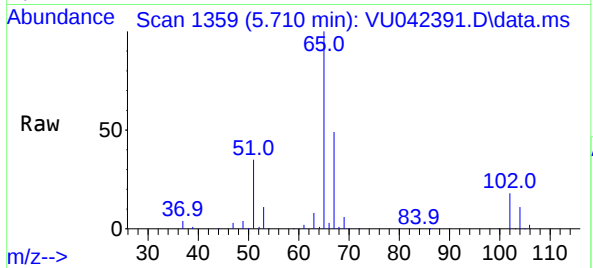




#33  
1,2-Dichloroethane-d4  
Concen: 46.25 ug/l  
RT: 5.710 min Scan# 1359  
Delta R.T. -0.000 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

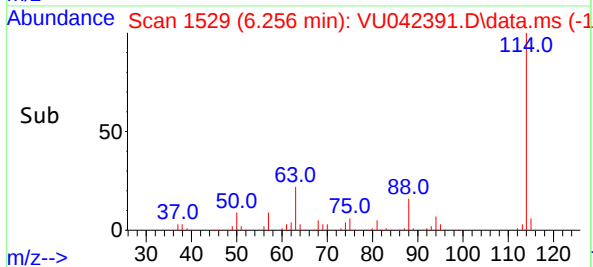
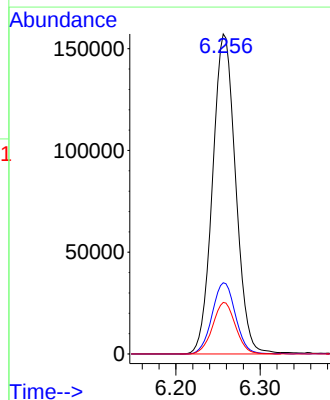
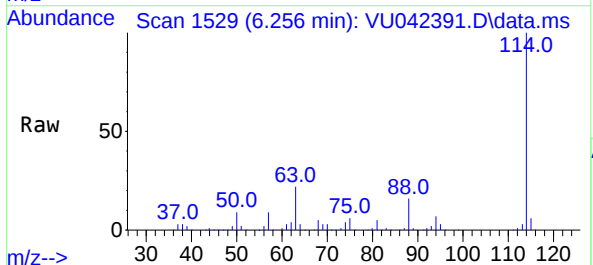
Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-4-GW

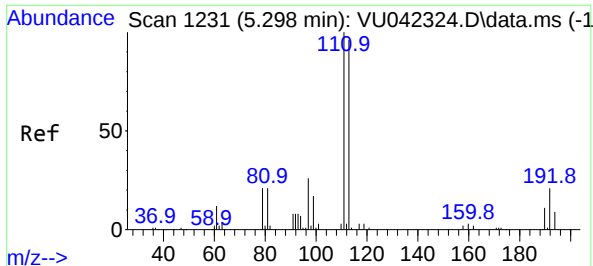
Tgt Ion: 65 Resp: 139709  
Ion Ratio Lower Upper  
65 100  
67 49.6 0.0 99.8



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.256 min Scan# 1529  
Delta R.T. -0.003 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

Tgt Ion: 114 Resp: 298488  
Ion Ratio Lower Upper  
114 100  
63 22.3 0.0 44.2  
88 16.1 0.0 33.4

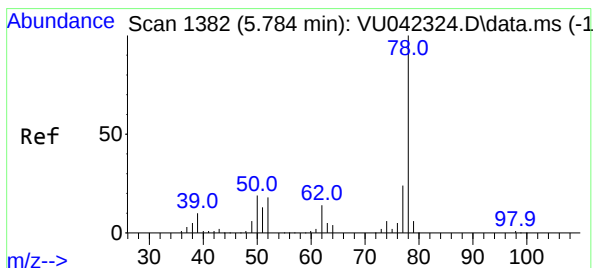
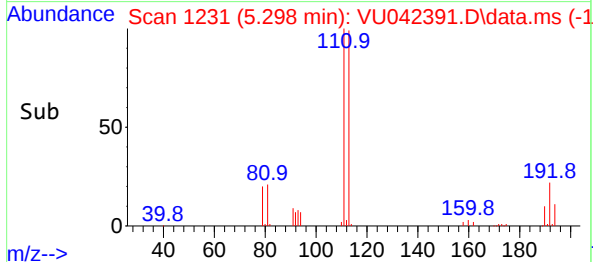
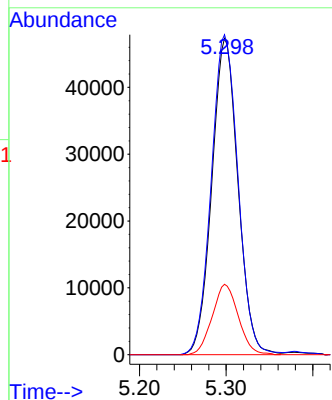
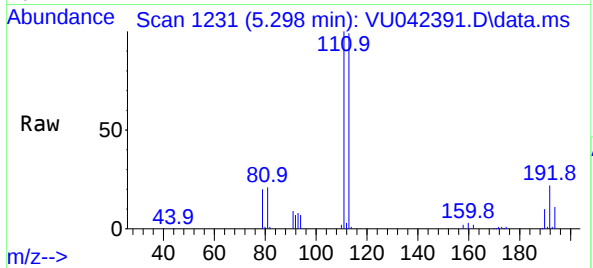




#35  
Dibromofluoromethane  
Concen: 47.09 ug/l  
RT: 5.298 min Scan# 1231  
Delta R.T. -0.000 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

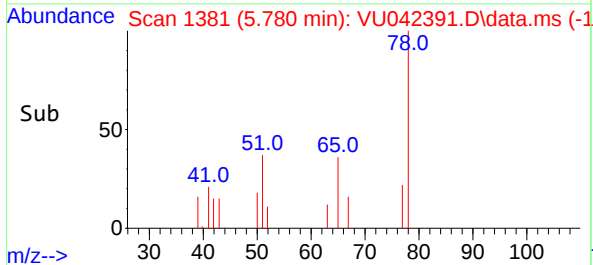
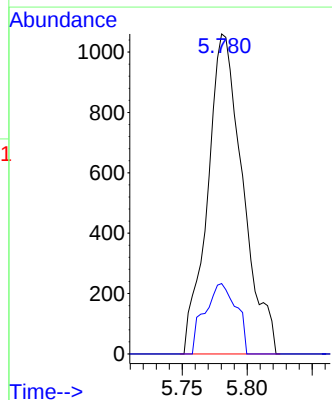
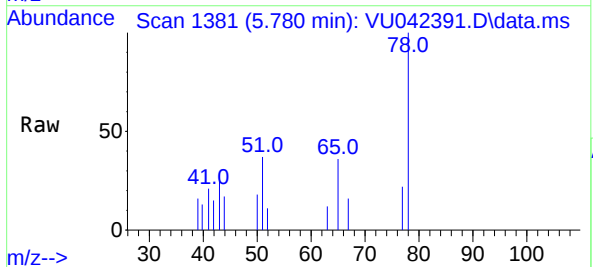
Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-4-GW

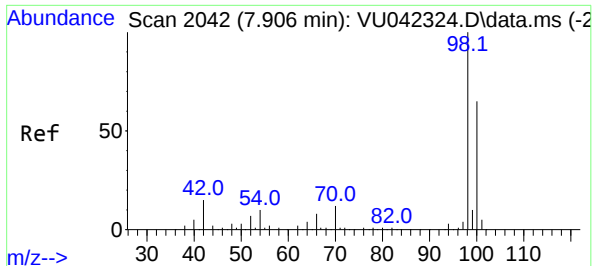
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 99203 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.5 | 81.8  | 122.8 |
| 192      | 22.2  | 17.2  | 25.8  |



#40  
Benzene  
Concen: 0.24 ug/l  
RT: 5.780 min Scan# 1381  
Delta R.T. -0.003 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 78    | Resp: | 1998  |
| Ion      | Ratio | Lower | Upper |
| 78       | 100   |       |       |
| 77       | 22.0  | 19.3  | 28.9  |

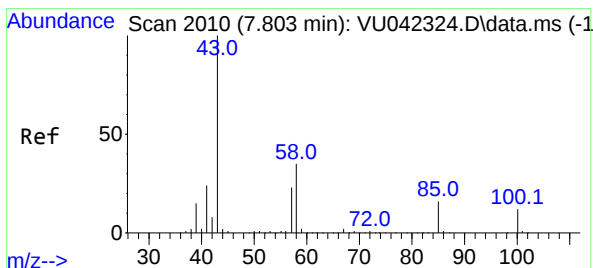
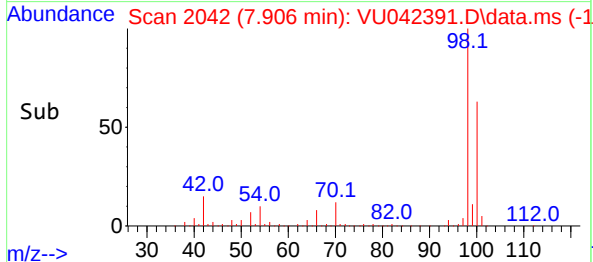
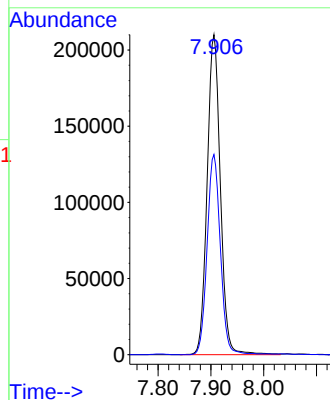
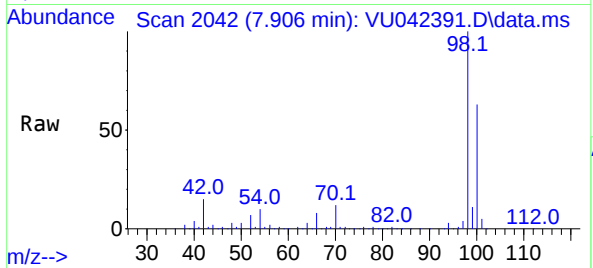




#50  
Toluene-d8  
Concen: 48.44 ug/l  
RT: 7.906 min Scan# 2042  
Delta R.T. -0.000 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

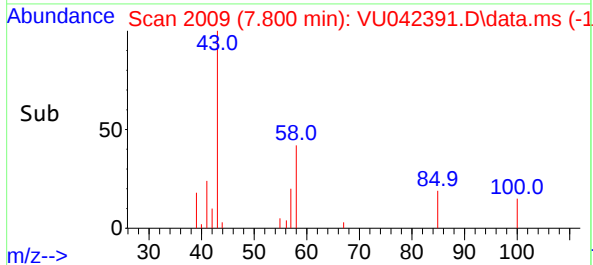
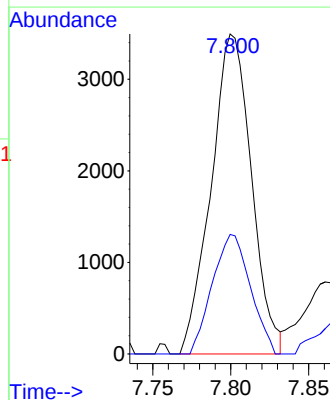
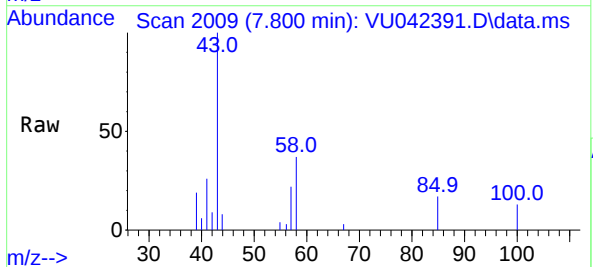
Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-4-GW

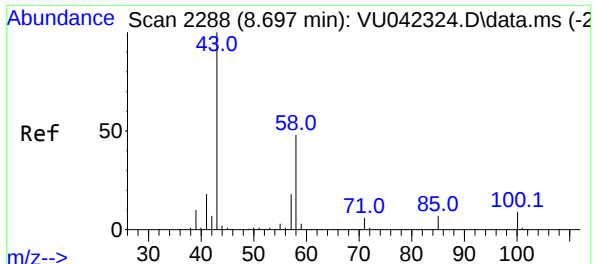
Tgt Ion: 98 Resp: 365536  
Ion Ratio Lower Upper  
98 100  
100 62.5 50.2 75.2



#51  
4-Methyl-2-Pentanone  
Concen: 1.38 ug/l  
RT: 7.800 min Scan# 2009  
Delta R.T. -0.003 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

Tgt Ion: 43 Resp: 6291  
Ion Ratio Lower Upper  
43 100  
58 35.1 28.1 42.1

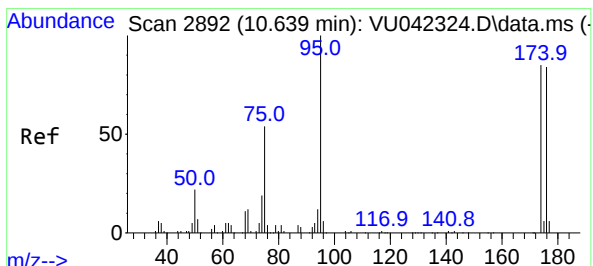
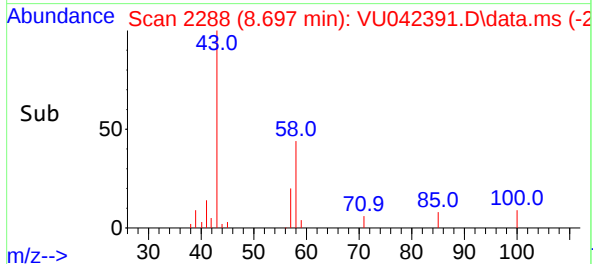
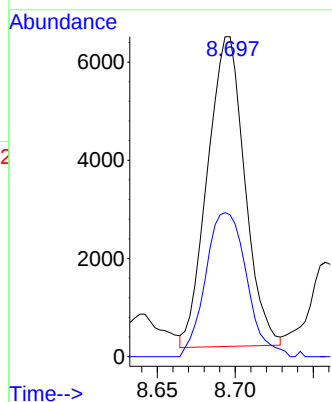
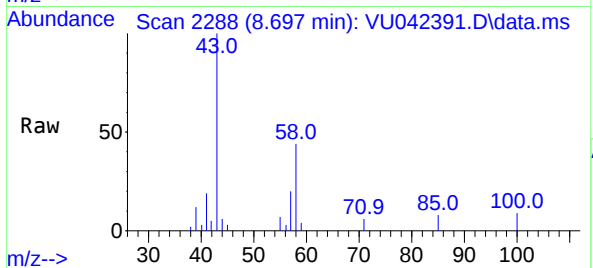




#59  
2-Hexanone  
Concen: 2.88 ug/l  
RT: 8.697 min Scan# 2288  
Delta R.T. -0.000 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

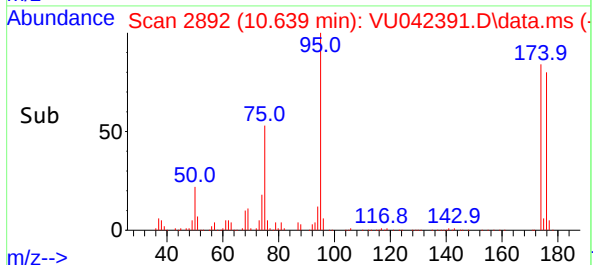
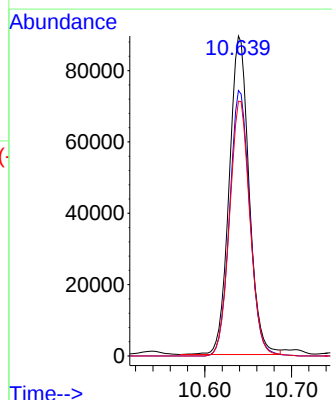
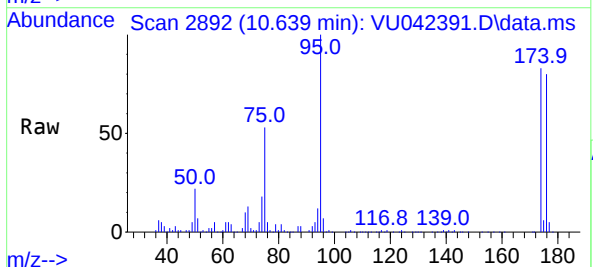
Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-4-GW

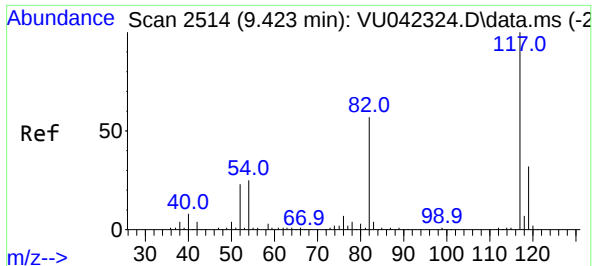
Tgt Ion: 43 Resp: 10484  
Ion Ratio Lower Upper  
43 100  
58 51.1 24.0 72.0



#62  
4-Bromofluorobenzene  
Concen: 47.81 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. -0.000 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

Tgt Ion: 95 Resp: 142173  
Ion Ratio Lower Upper  
95 100  
174 84.7 0.0 172.2  
176 81.7 0.0 168.8

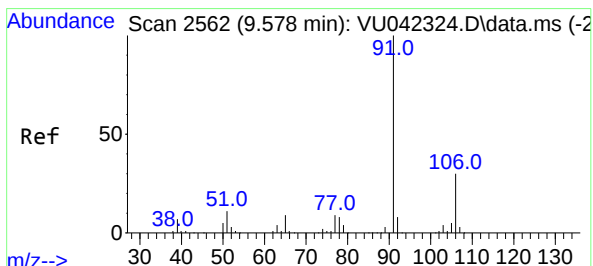
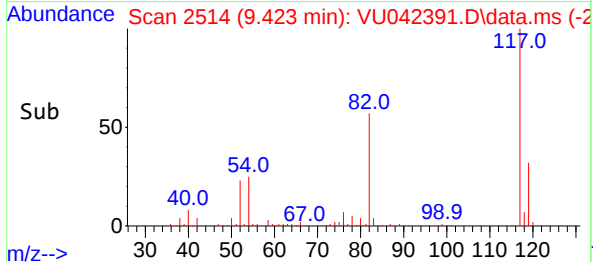
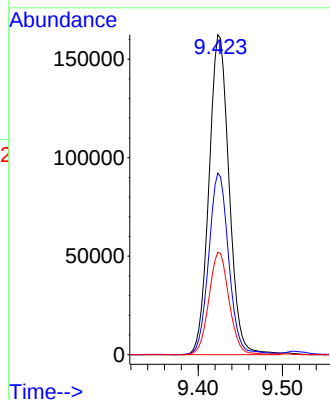
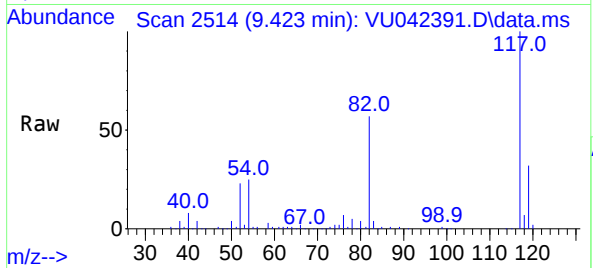




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.423 min Scan# 2514  
Delta R.T. -0.000 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

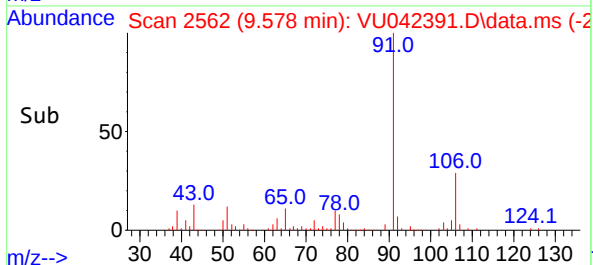
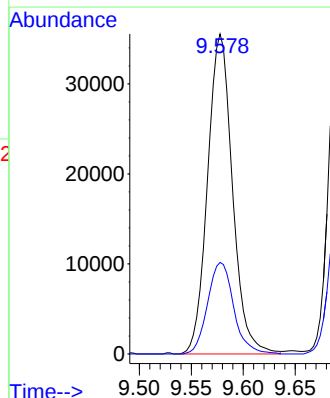
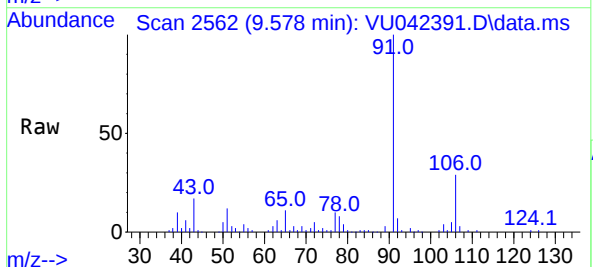
Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-4-GW

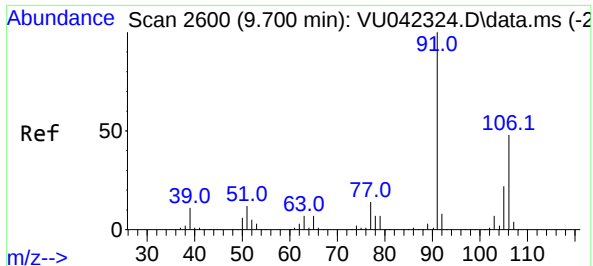
Tgt Ion:117 Resp: 269646  
Ion Ratio Lower Upper  
117 100  
82 56.7 45.8 68.6  
119 32.0 25.8 38.8



#67  
Ethyl Benzene  
Concen: 6.09 ug/l  
RT: 9.578 min Scan# 2562  
Delta R.T. -0.000 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

Tgt Ion: 91 Resp: 59246  
Ion Ratio Lower Upper  
91 100  
106 28.6 24.1 36.1

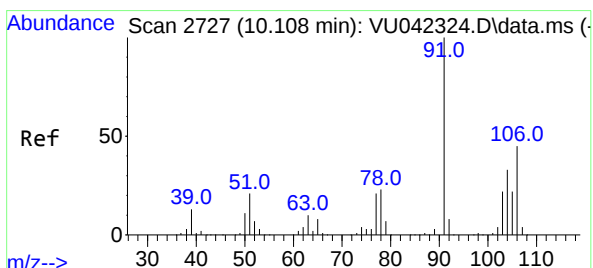
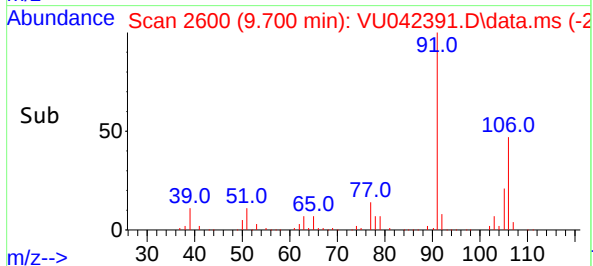
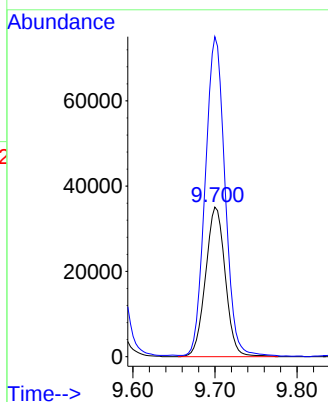
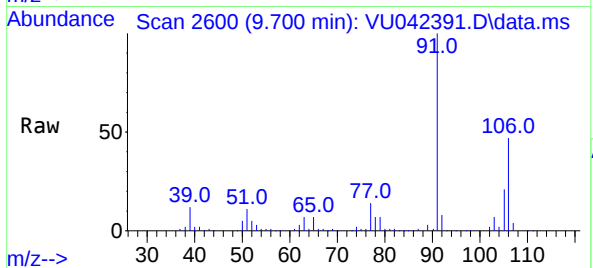




#68  
m/p-Xylenes  
Concen: 16.30 ug/l  
RT: 9.700 min Scan# 2600  
Delta R.T. -0.000 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

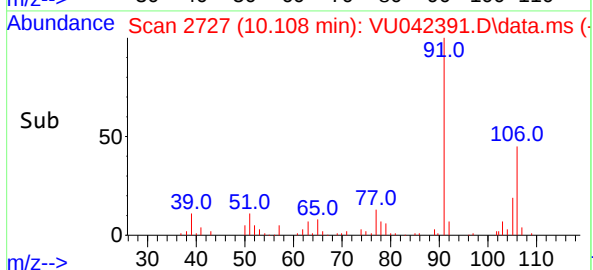
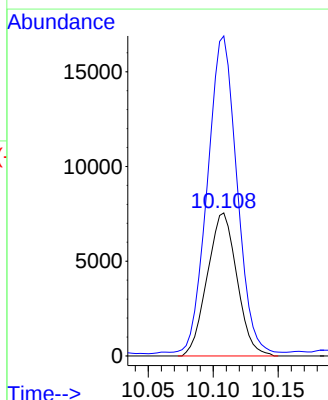
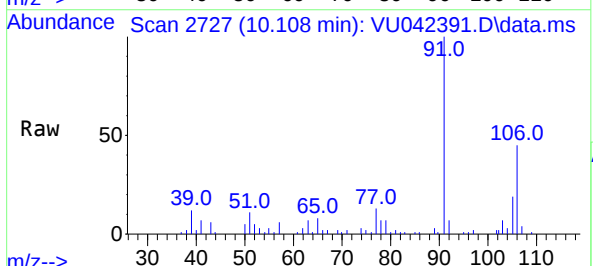
Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-4-GW

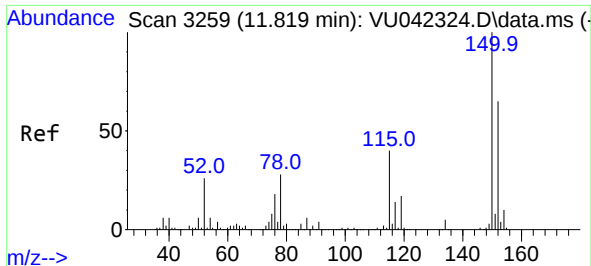
Tgt Ion:106 Resp: 58623  
Ion Ratio Lower Upper  
106 100  
91 214.1 169.9 254.9



#69  
o-Xylene  
Concen: 3.41 ug/l  
RT: 10.108 min Scan# 2727  
Delta R.T. -0.000 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

Tgt Ion:106 Resp: 11997  
Ion Ratio Lower Upper  
106 100  
91 222.0 111.2 333.6

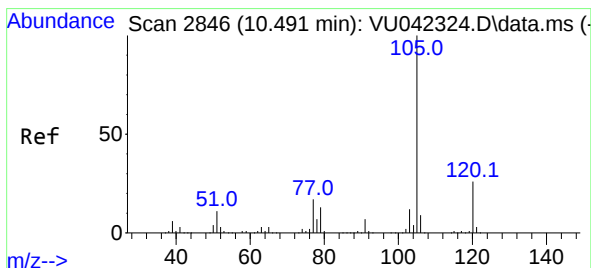
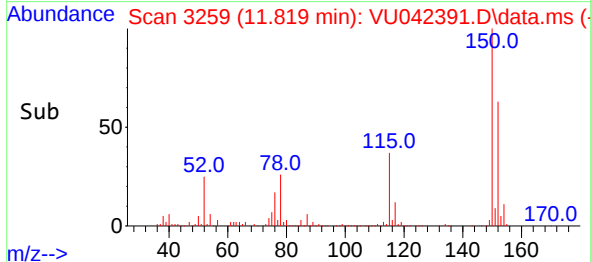
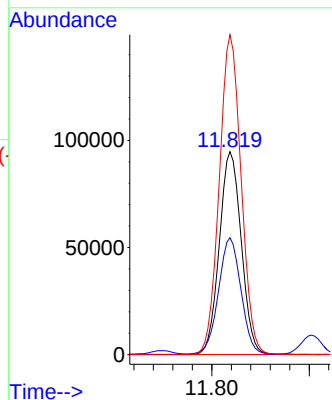
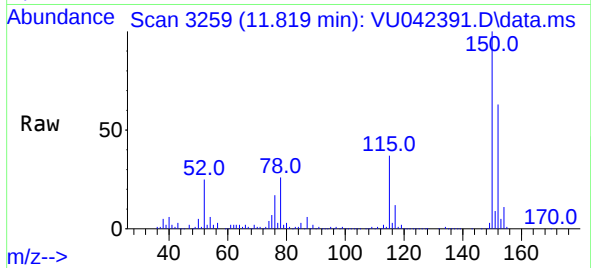




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 11.819 min Scan# 3259  
Delta R.T. -0.000 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

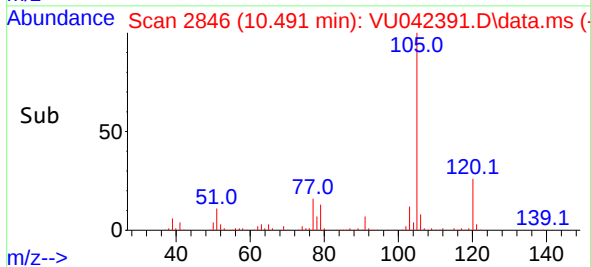
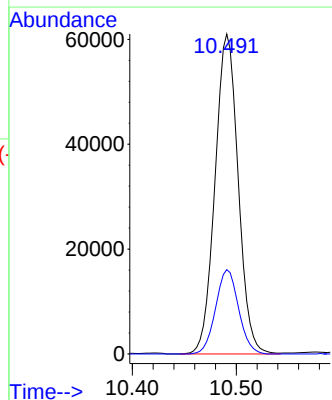
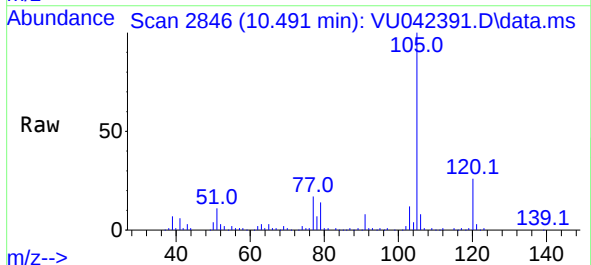
Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-4-GW

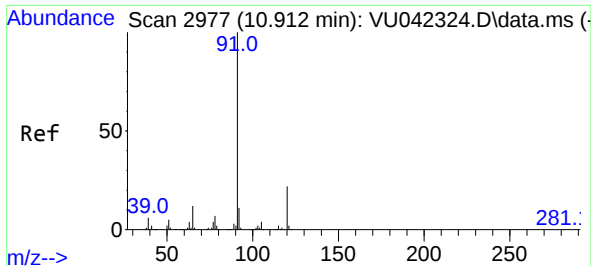
Tgt Ion:152 Resp: 147744  
Ion Ratio Lower Upper  
152 100  
115 59.0 41.5 124.6  
150 157.2 0.0 342.4



#73  
Isopropylbenzene  
Concen: 9.58 ug/l  
RT: 10.491 min Scan# 2846  
Delta R.T. -0.000 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

Tgt Ion:105 Resp: 94390  
Ion Ratio Lower Upper  
105 100  
120 26.1 13.1 39.3

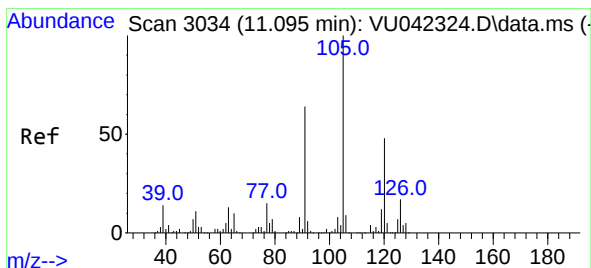
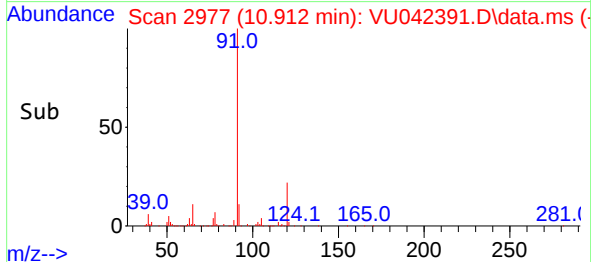
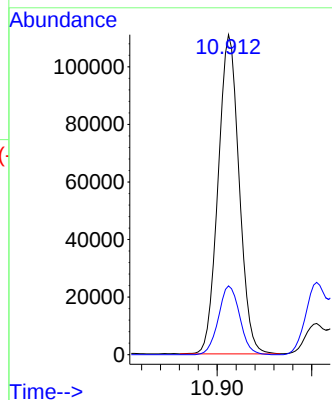
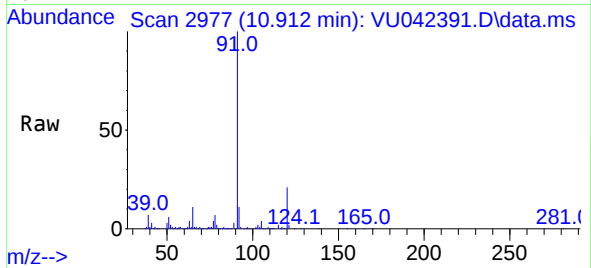




#78  
n-propylbenzene  
Concen: 14.95 ug/l  
RT: 10.912 min Scan# 2977  
Delta R.T. -0.000 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

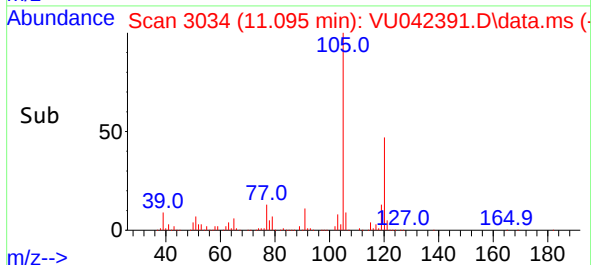
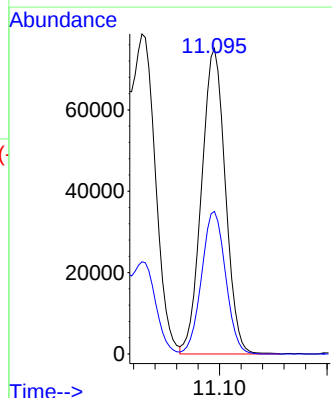
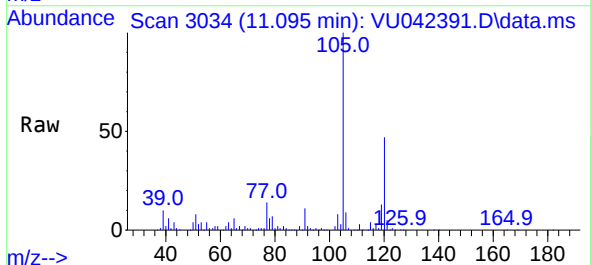
Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-4-GW

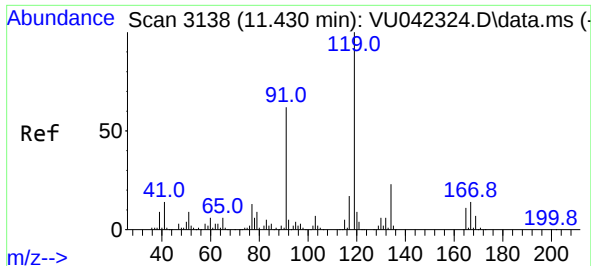
Tgt Ion: 91 Resp: 170593  
Ion Ratio Lower Upper  
91 100  
120 21.9 11.2 33.6



#80  
1,3,5-Trimethylbenzene  
Concen: 13.64 ug/l  
RT: 11.095 min Scan# 3034  
Delta R.T. -0.000 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

Tgt Ion: 105 Resp: 115457  
Ion Ratio Lower Upper  
105 100  
120 47.0 23.8 71.4

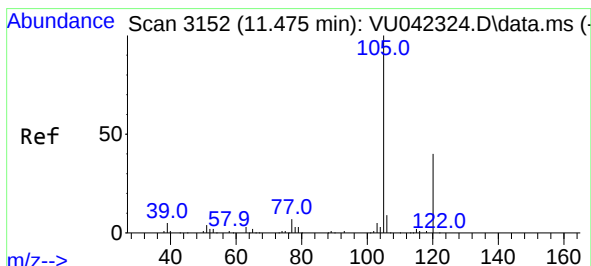
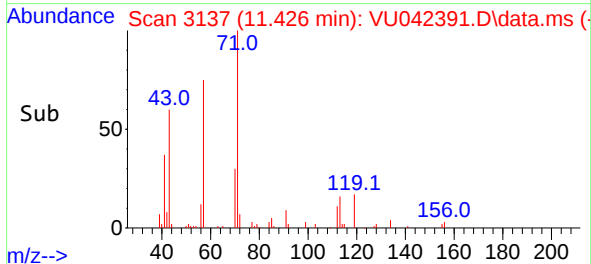
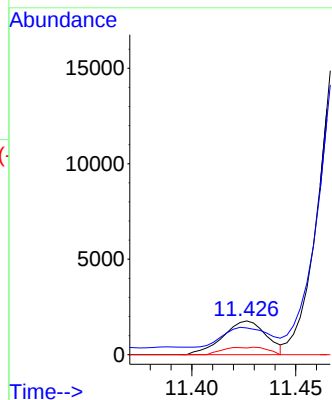
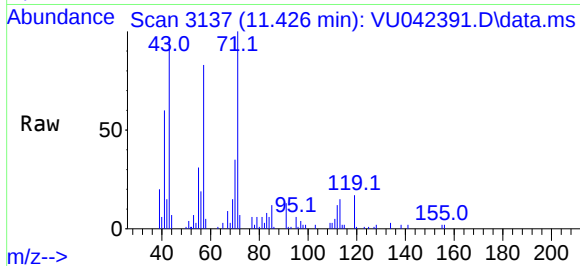




#83  
tert-Butylbenzene  
Concen: 0.31 ug/l  
RT: 11.426 min Scan# 3137  
Delta R.T. -0.003 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

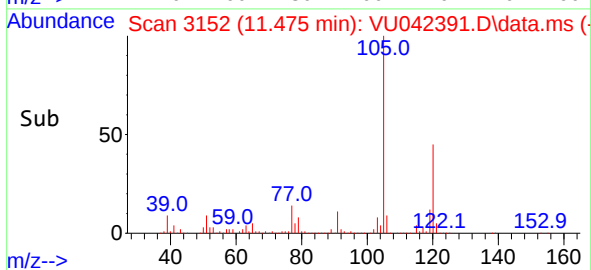
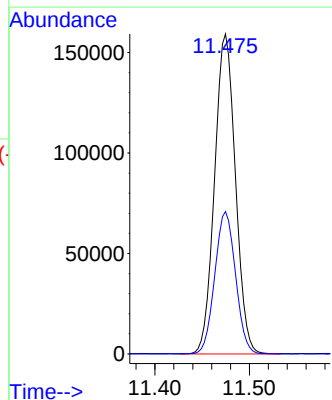
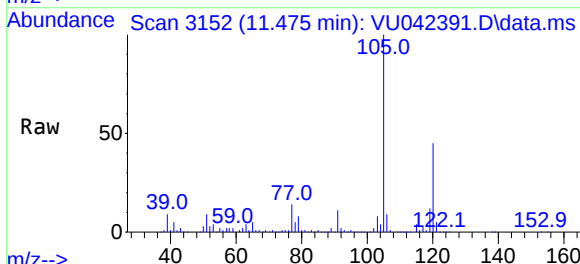
Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-4-GW

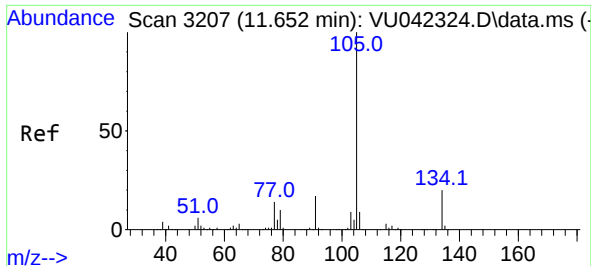
Tgt Ion:119 Resp: 2563  
Ion Ratio Lower Upper  
119 100  
91 61.1 30.3 90.9  
134 0.0 11.4 34.1#



#84  
1,2,4-Trimethylbenzene  
Concen: 28.82 ug/l  
RT: 11.475 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

Tgt Ion:105 Resp: 244181  
Ion Ratio Lower Upper  
105 100  
120 44.3 22.3 66.8

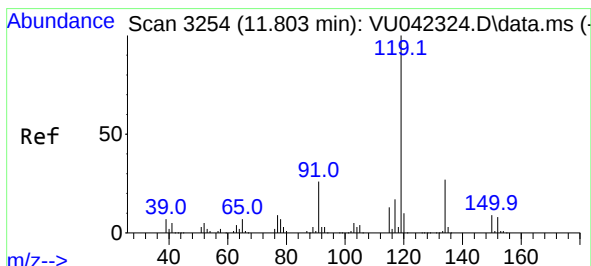
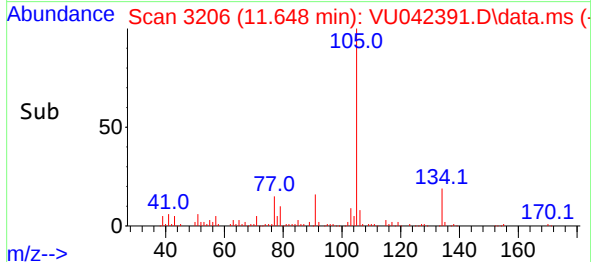
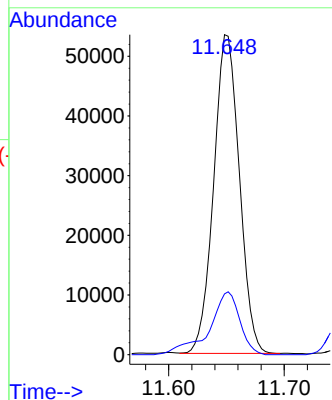
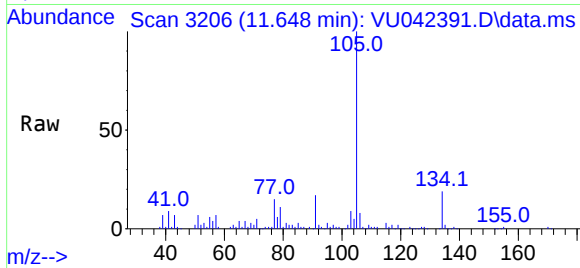




#85  
 sec-Butylbenzene  
 Concen: 8.54 ug/l  
 RT: 11.648 min Scan# 3206  
 Delta R.T. -0.003 min  
 Lab File: VU042391.D  
 Acq: 22 Feb 2021 13:54

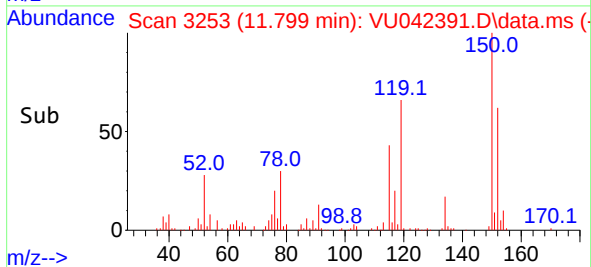
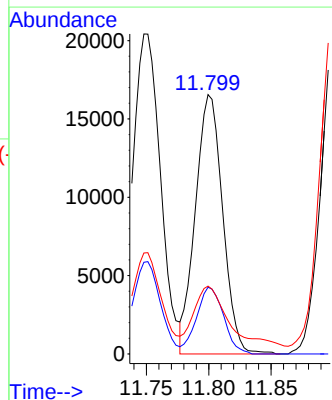
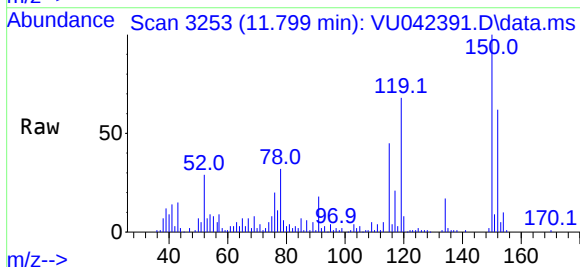
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VCP-BS-4-GW

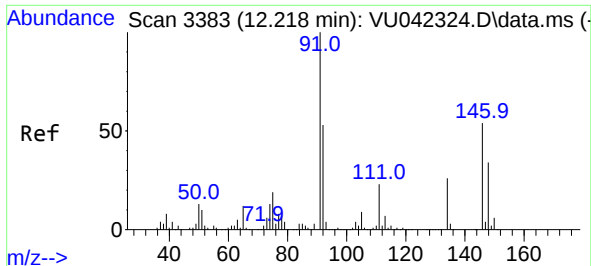
Tgt Ion:105 Resp: 82473  
 Ion Ratio Lower Upper  
 105 100  
 134 23.6 10.0 30.0



#86  
 p-Isopropyltoluene  
 Concen: 2.83 ug/l  
 RT: 11.799 min Scan# 3253  
 Delta R.T. -0.003 min  
 Lab File: VU042391.D  
 Acq: 22 Feb 2021 13:54

Tgt Ion:119 Resp: 25179  
 Ion Ratio Lower Upper  
 119 100  
 134 25.5 13.2 39.6  
 91 28.5 12.8 38.3

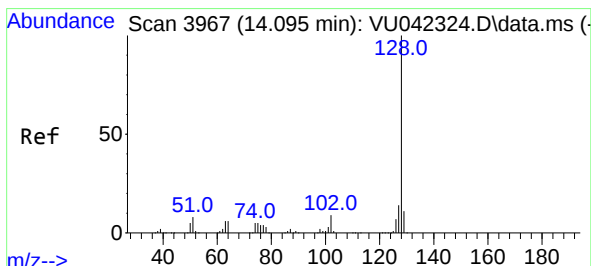
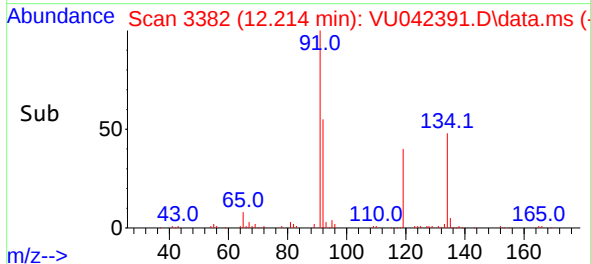
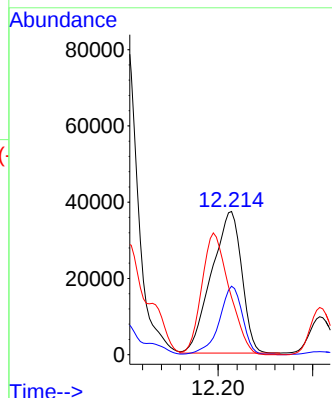
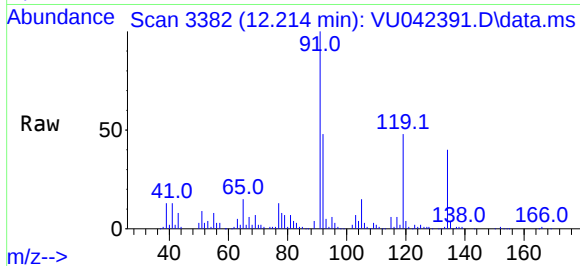




#89  
n-Butylbenzene  
Concen: 10.50 ug/l  
RT: 12.214 min Scan# 3382  
Delta R.T. -0.003 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
VCP-BS-4-GW

Tgt Ion: 91 Resp: 82156  
Ion Ratio Lower Upper  
91 100  
92 37.5 26.2 78.6  
134 79.1 12.7 38.1#



#95  
Naphthalene  
Concen: 19.83 ug/l  
RT: 14.095 min Scan# 3967  
Delta R.T. 0.000 min  
Lab File: VU042391.D  
Acq: 22 Feb 2021 13:54

Tgt Ion:128 Resp: 182455  
Ion Ratio Lower Upper  
128 100  
127 14.7 10.8 16.2  
129 14.8 8.6 13.0#

