

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU050621\  
 Data File : VU043594.D  
 Acq On : 06 May 2021 19:26  
 Operator : SY/MD  
 Sample : M2295-12  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DRUM-B-C-E

Quant Time: May 07 02:07:35 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U050621W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 06 07:26:23 2021  
 Response via : Initial Calibration

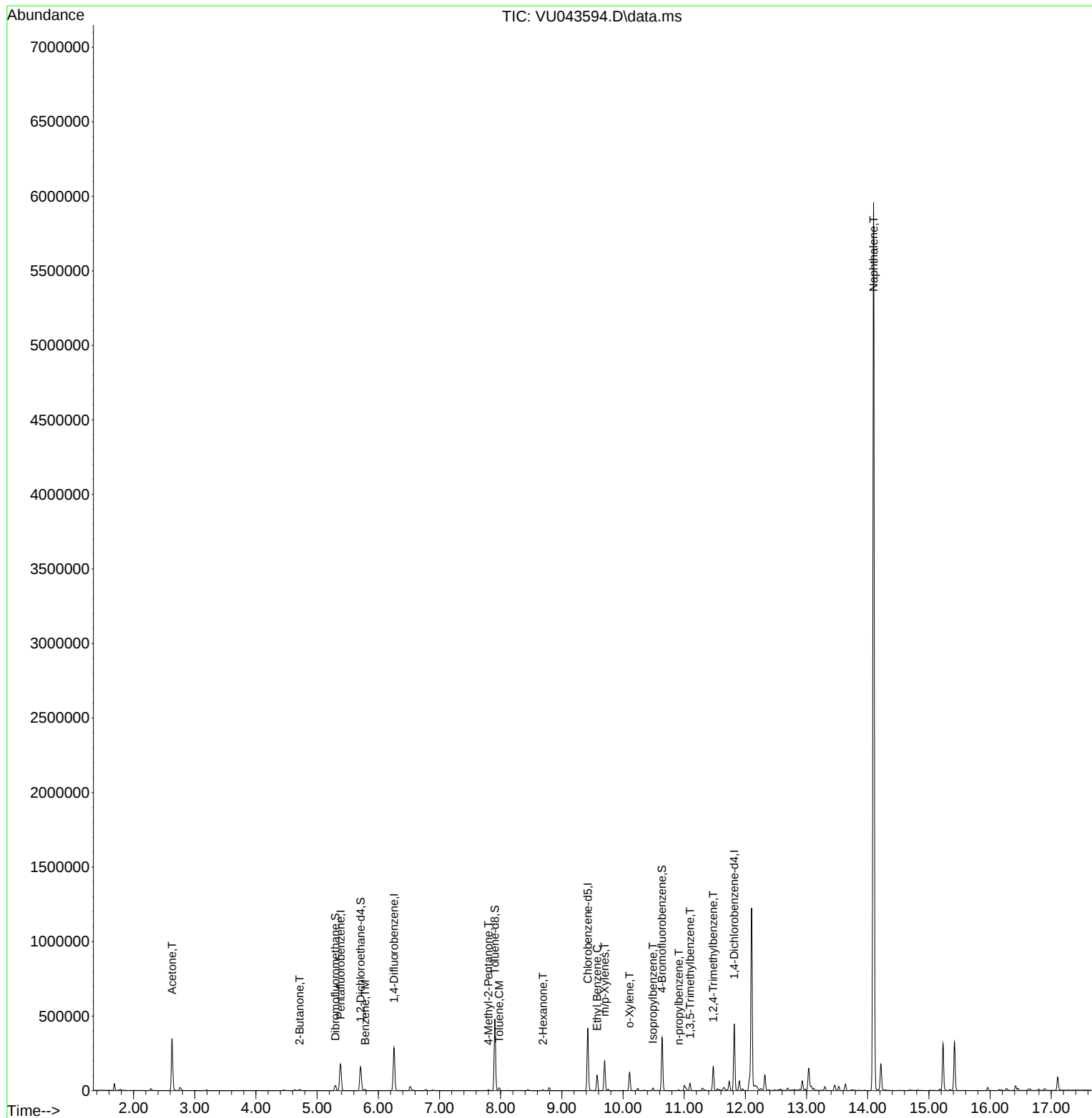
| Compound                    | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|--------|---------|----------|
| -----                       |        |      |          |        |         |          |
| Internal Standards          |        |      |          |        |         |          |
| 1) Pentafluorobenzene       | 5.382  | 168  | 113612   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.256  | 114  | 205517   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.423  | 117  | 201276   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.819 | 152  | 101054   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.710  | 65   | 119579   | 51.99  | ug/l    | 0.00     |
| Spiked Amount 50.000        |        |      | Recovery | =      | 103.98% |          |
| 35) Dibromofluoromethane    | 5.298  | 113  | 21307    | 13.00  | ug/l    | 0.00     |
| Spiked Amount 50.000        |        |      | Recovery | =      | 26.00%  |          |
| 50) Toluene-d8              | 7.906  | 98   | 289090   | 49.75  | ug/l    | 0.00     |
| Spiked Amount 50.000        |        |      | Recovery | =      | 99.50%  |          |
| 62) 4-Bromofluorobenzene    | 10.639 | 95   | 106454   | 48.15  | ug/l    | 0.00     |
| Spiked Amount 50.000        |        |      | Recovery | =      | 96.30%  |          |
| Target Compounds            |        |      |          |        |         |          |
|                             |        |      |          |        |         | Qvalue   |
| 16) Acetone                 | 2.629  | 43   | 388857   | 304.61 | ug/l    | 100      |
| 25) 2-Butanone              | 4.713  | 43   | 12794    | 6.50   | ug/l    | 93       |
| 40) Benzene                 | 5.784  | 78   | 6108     | 0.87   | ug/l    | 98       |
| 51) 4-Methyl-2-Pentanone    | 7.800  | 43   | 4252     | 20.01  | ug/l    | 94       |
| 52) Toluene                 | 7.977  | 92   | 6676     | 1.65   | ug/l    | 98       |
| 59) 2-Hexanone              | 8.690  | 43   | 4048     | 21.67  | ug/l    | 98       |
| 67) Ethyl Benzene           | 9.578  | 91   | 66331    | 8.70   | ug/l    | 98       |
| 68) m/p-Xylenes             | 9.700  | 106  | 49897    | 17.34  | ug/l    | 98       |
| 69) o-Xylene                | 10.105 | 106  | 27934    | 10.34  | ug/l    | 96       |
| 73) Isopropylbenzene        | 10.491 | 105  | 10192    | 1.41   | ug/l    | 96       |
| 78) n-propylbenzene         | 10.912 | 91   | 4127     | 0.47   | ug/l    | 99       |
| 80) 1,3,5-Trimethylbenzene  | 11.095 | 105  | 24496    | 4.27   | ug/l    | 98       |
| 84) 1,2,4-Trimethylbenzene  | 11.475 | 105  | 80972    | 12.57  | ug/l    | 98       |
| 95) Naphthalene             | 14.095 | 128  | 4271081  | 484.48 | ug/l    | 100      |
| -----                       |        |      |          |        |         |          |

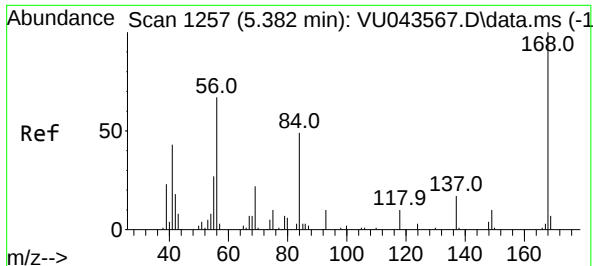
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU050621\  
Data File : VU043594.D  
Acq On : 06 May 2021 19:26  
Operator : SY/MD  
Sample : M2295-12  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DRUM-B-C-E

Quant Time: May 07 02:07:35 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U050621W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 06 07:26:23 2021  
Response via : Initial Calibration

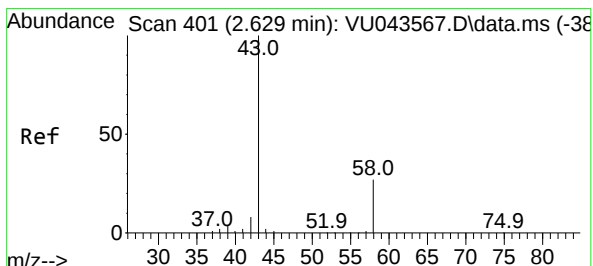
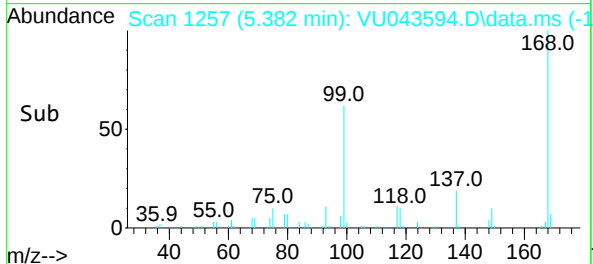
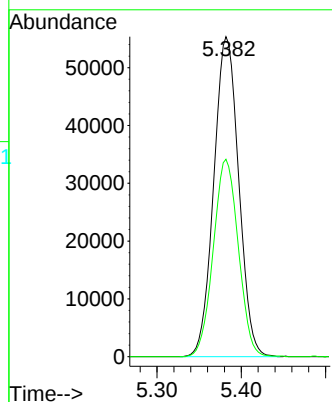
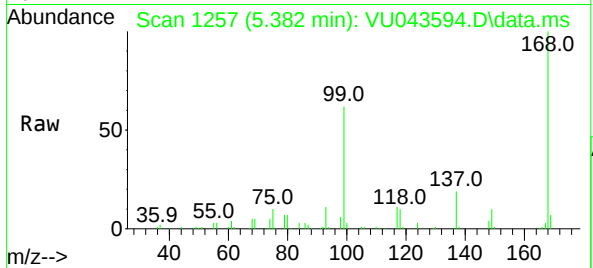




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.000 min  
Lab File: VU043594.D  
Acq: 06 May 2021 19:26

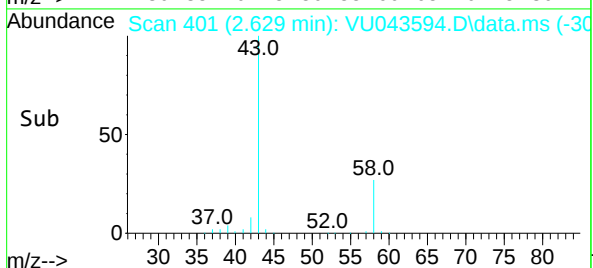
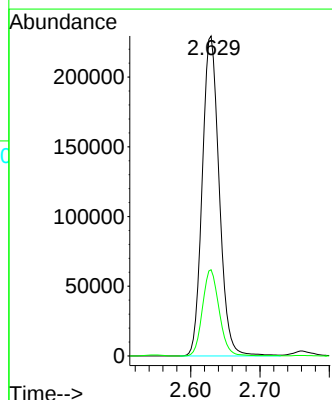
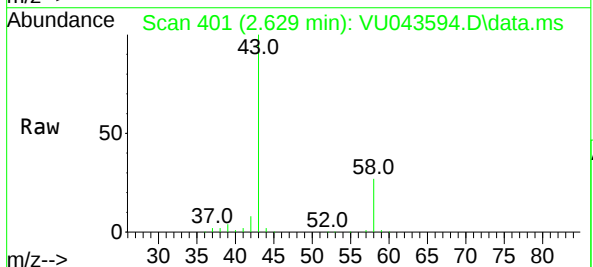
Instrument :  
MSVOA\_U  
ClientSampleId :  
DRUM-B-C-E

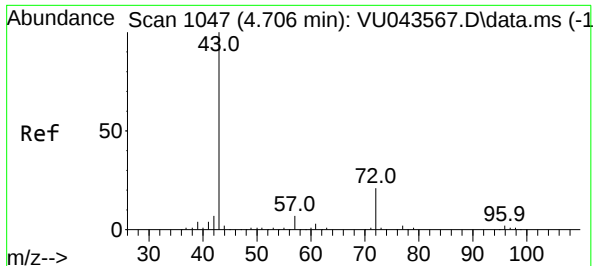
Tgt Ion:168 Resp: 113612  
Ion Ratio Lower Upper  
168 100  
99 61.7 49.0 73.6



#16  
Acetone  
Concen: 304.61 ug/l  
RT: 2.629 min Scan# 401  
Delta R.T. 0.000 min  
Lab File: VU043594.D  
Acq: 06 May 2021 19:26

Tgt Ion: 43 Resp: 388857  
Ion Ratio Lower Upper  
43 100  
58 27.0 21.7 32.5





#25

2-Butanone

Concen: 6.50 ug/l

RT: 4.713 min Scan# 1049

Delta R.T. 0.007 min

Lab File: VU043594.D

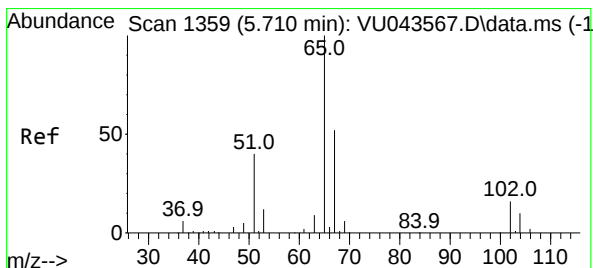
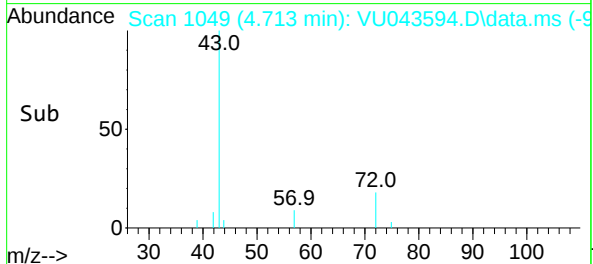
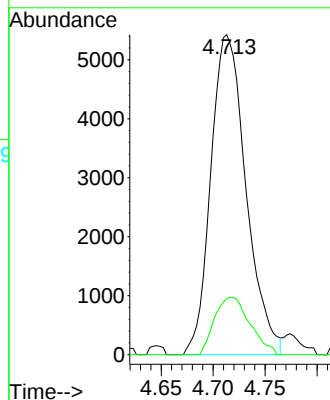
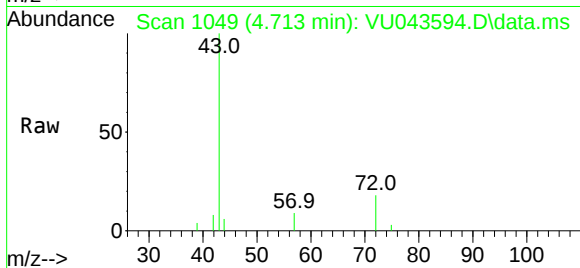
Acq: 06 May 2021 19:26

Tgt Ion: 43 Resp: 12794

Ion Ratio Lower Upper

43 100

72 17.6 16.5 24.7



#33

1,2-Dichloroethane-d4

Concen: 51.99 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. 0.000 min

Lab File: VU043594.D

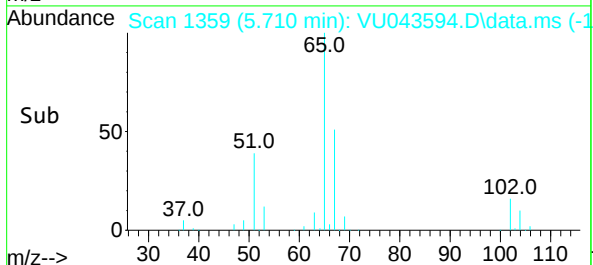
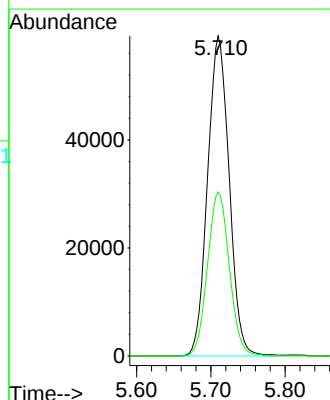
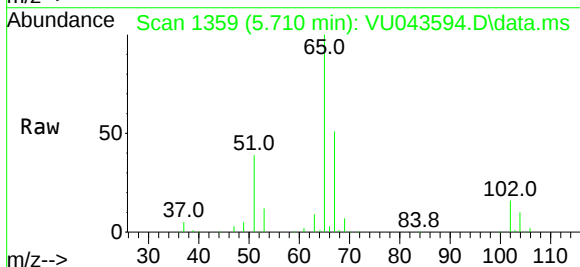
Acq: 06 May 2021 19:26

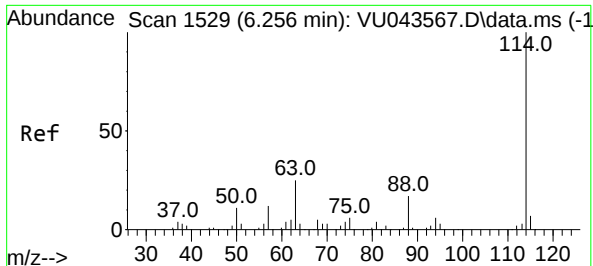
Tgt Ion: 65 Resp: 119579

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043594.D

Acq: 06 May 2021 19:26

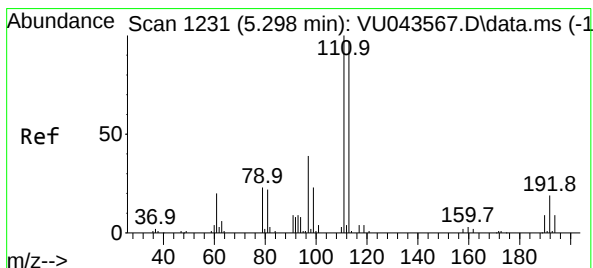
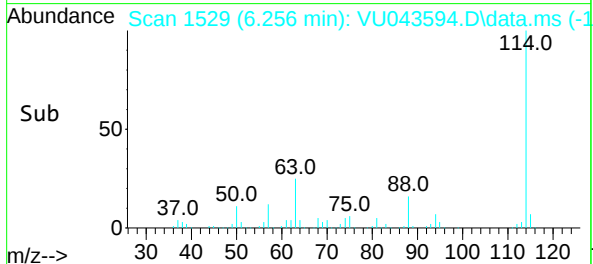
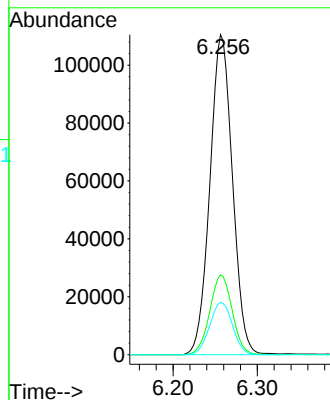
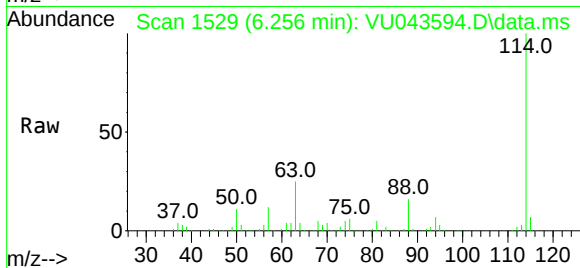
Tgt Ion:114 Resp: 205517

Ion Ratio Lower Upper

114 100

63 25.0 0.0 50.2

88 16.4 0.0 33.8



#35

Dibromofluoromethane

Concen: 13.00 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU043594.D

Acq: 06 May 2021 19:26

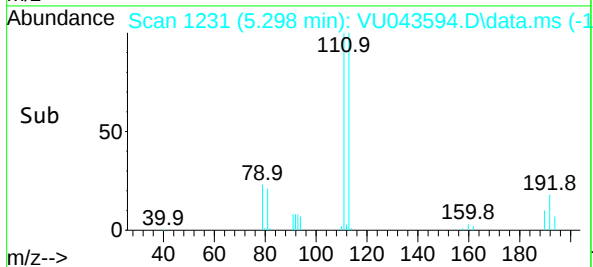
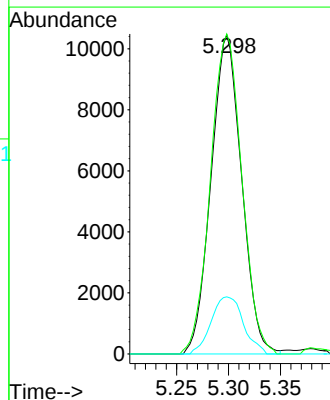
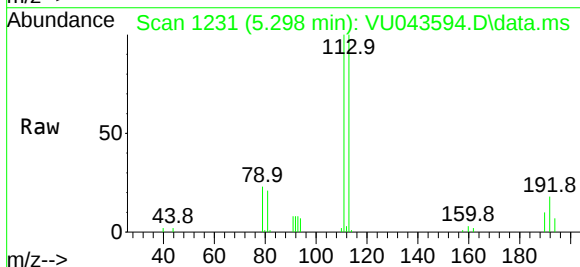
Tgt Ion:113 Resp: 21307

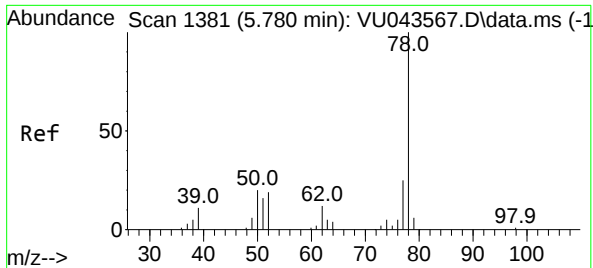
Ion Ratio Lower Upper

113 100

111 103.1 82.3 123.5

192 18.9 15.8 23.6

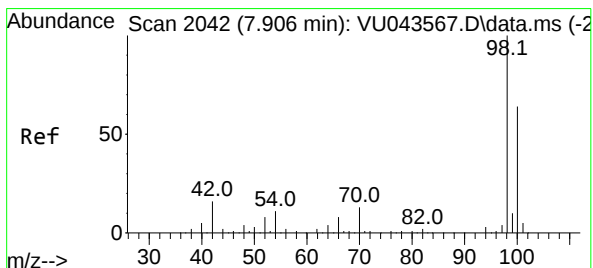
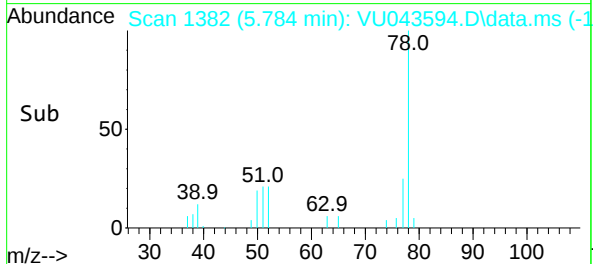
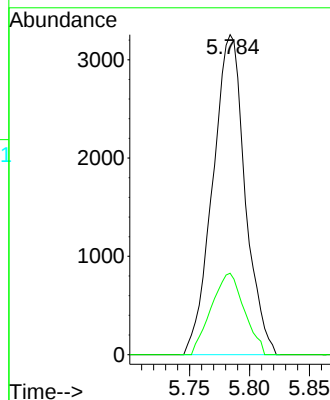
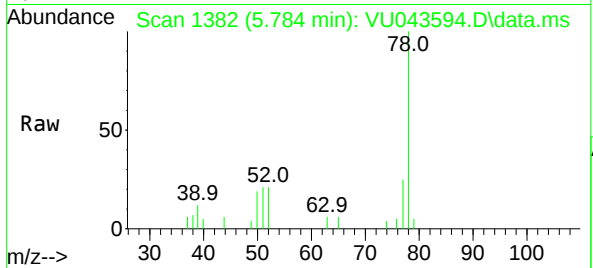




#40  
Benzene  
Concen: 0.87 ug/l  
RT: 5.784 min Scan# 1382  
Delta R.T. 0.003 min  
Lab File: VU043594.D  
Acq: 06 May 2021 19:26

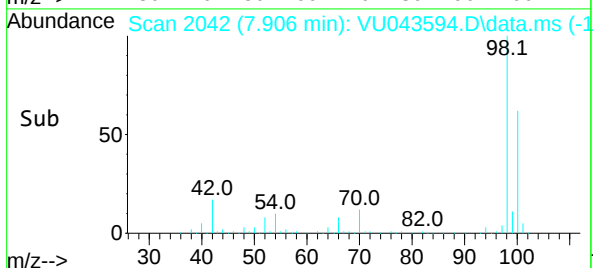
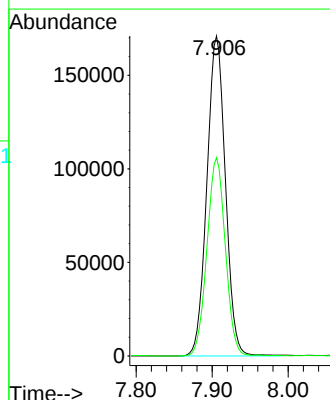
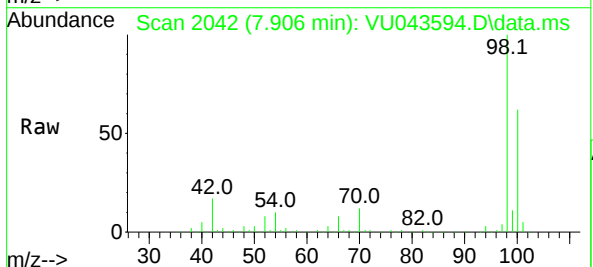
Instrument :  
MSVOA\_U  
ClientSampleId :  
DRUM-B-C-E

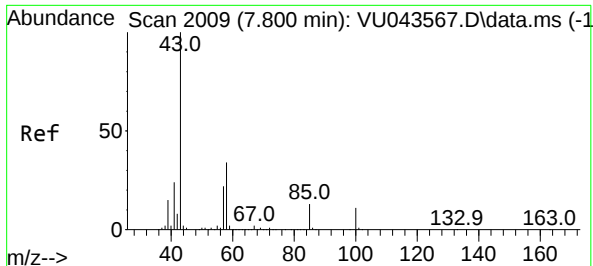
Tgt Ion: 78 Resp: 6108  
Ion Ratio Lower Upper  
78 100  
77 25.4 19.7 29.5



#50  
Toluene-d8  
Concen: 49.75 ug/l  
RT: 7.906 min Scan# 2042  
Delta R.T. 0.000 min  
Lab File: VU043594.D  
Acq: 06 May 2021 19:26

Tgt Ion: 98 Resp: 289090  
Ion Ratio Lower Upper  
98 100  
100 61.4 50.5 75.7

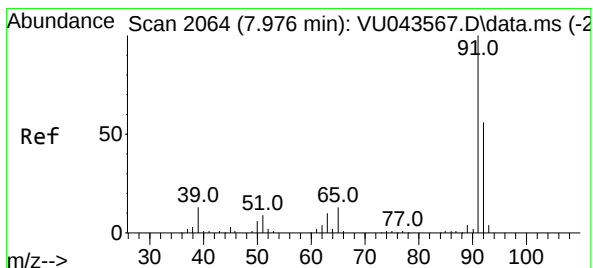
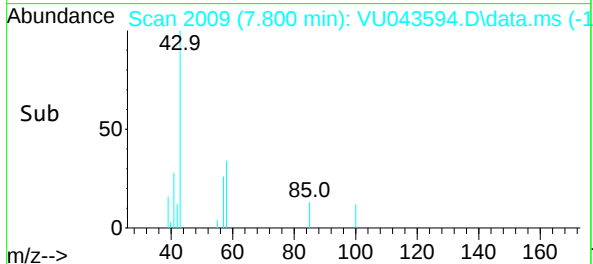
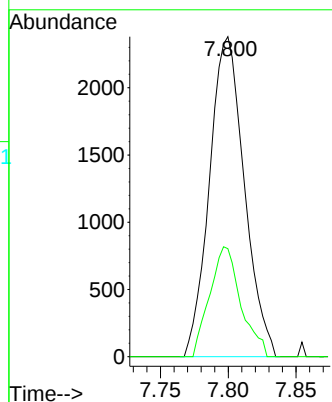
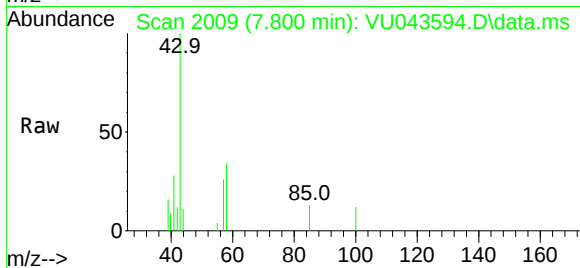




#51  
4-Methyl-2-Pentanone  
Concen: 20.01 ug/l  
RT: 7.800 min Scan# 2009  
Delta R.T. -0.000 min  
Lab File: VU043594.D  
Acq: 06 May 2021 19:26

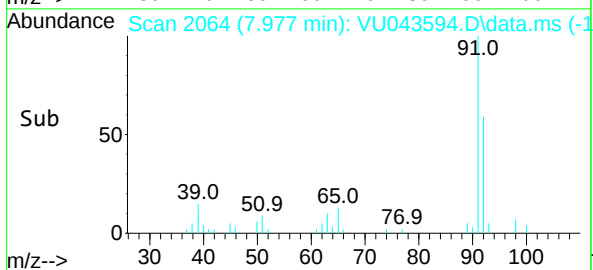
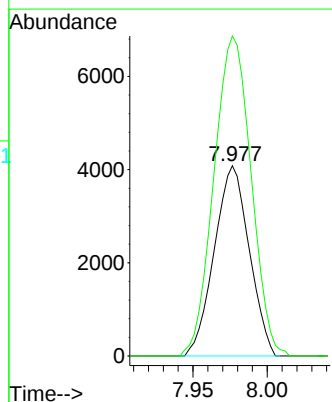
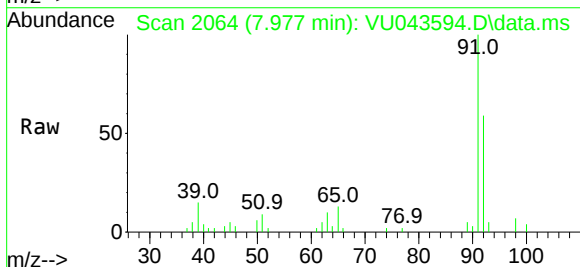
Instrument :  
MSVOA\_U  
ClientSampleId :  
DRUM-B-C-E

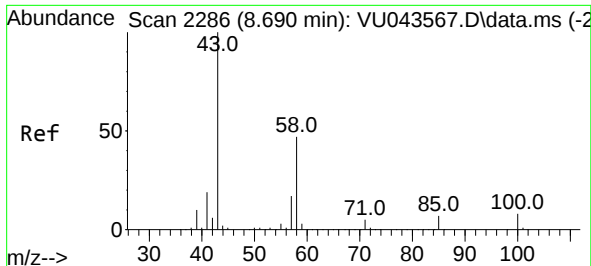
Tgt Ion: 43 Resp: 4252  
Ion Ratio Lower Upper  
43 100  
58 30.7 27.2 40.8



#52  
Toluene  
Concen: 1.65 ug/l  
RT: 7.977 min Scan# 2064  
Delta R.T. 0.000 min  
Lab File: VU043594.D  
Acq: 06 May 2021 19:26

Tgt Ion: 92 Resp: 6676  
Ion Ratio Lower Upper  
92 100  
91 178.9 140.9 211.3

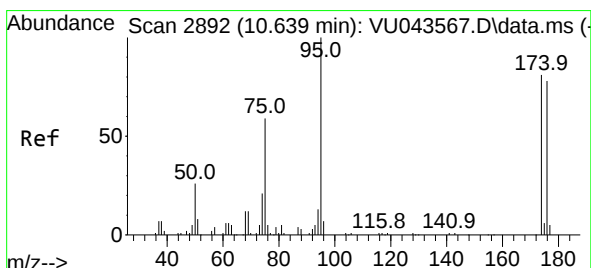
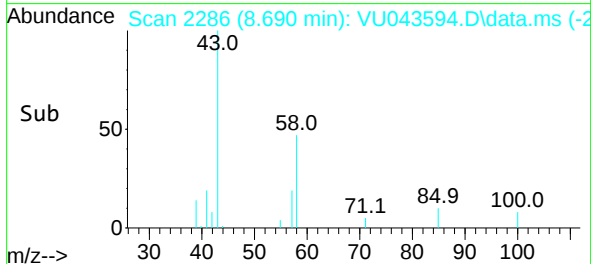
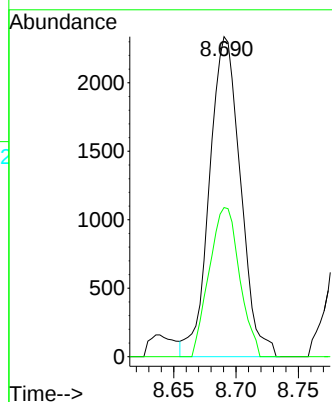
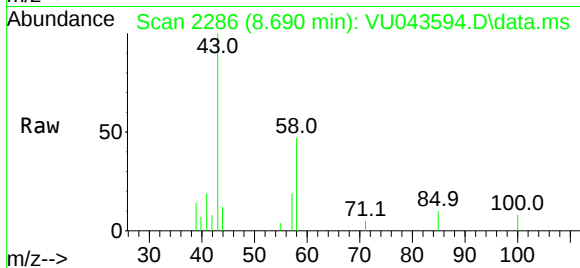




#59  
2-Hexanone  
Concen: 21.67 ug/l  
RT: 8.690 min Scan# 2286  
Delta R.T. 0.000 min  
Lab File: VU043594.D  
Acq: 06 May 2021 19:26

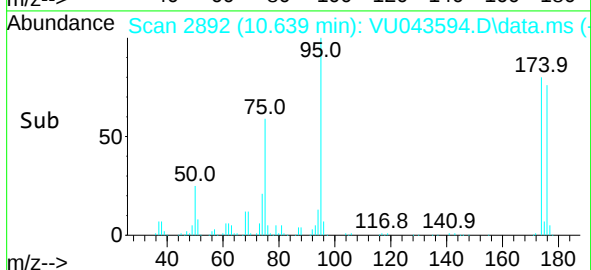
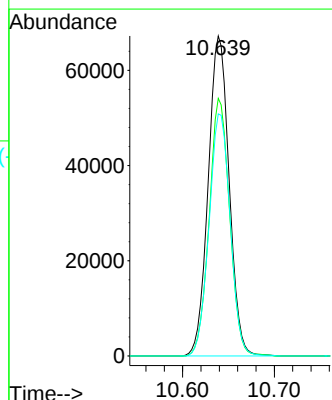
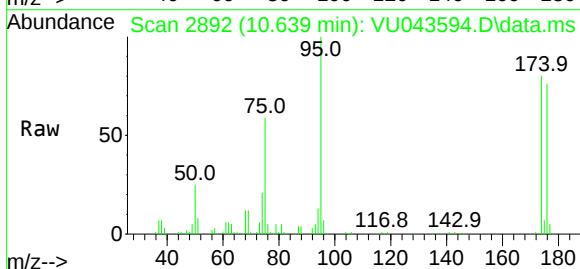
Instrument :  
MSVOA\_U  
ClientSampleId :  
DRUM-B-C-E

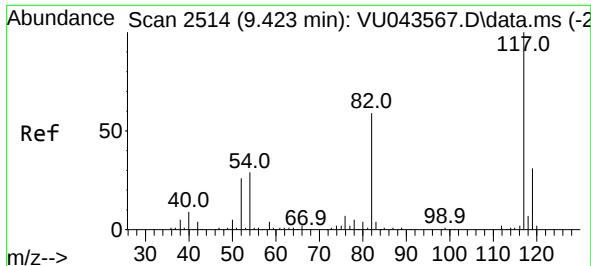
Tgt Ion: 43 Resp: 4048  
Ion Ratio Lower Upper  
43 100  
58 45.5 23.4 70.2



#62  
4-Bromofluorobenzene  
Concen: 48.15 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. -0.000 min  
Lab File: VU043594.D  
Acq: 06 May 2021 19:26

Tgt Ion: 95 Resp: 106454  
Ion Ratio Lower Upper  
95 100  
174 78.9 0.0 158.8  
176 76.5 0.0 155.6

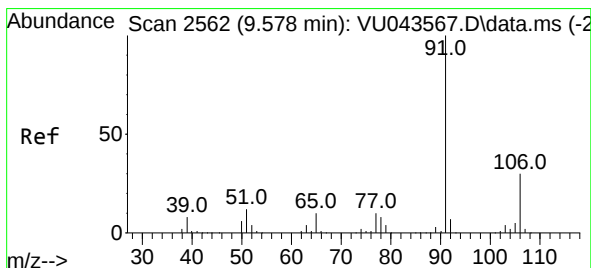
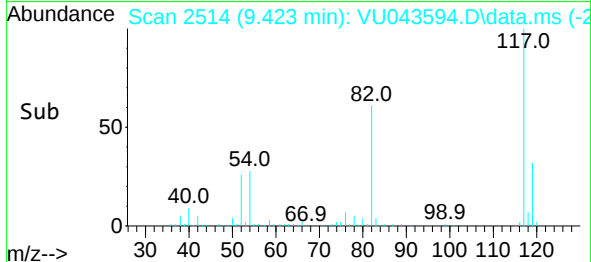
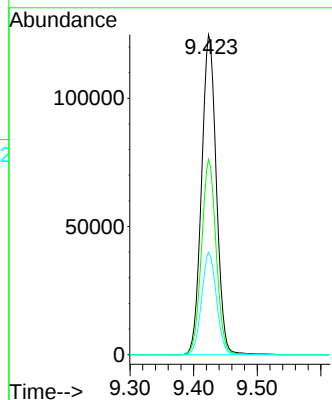
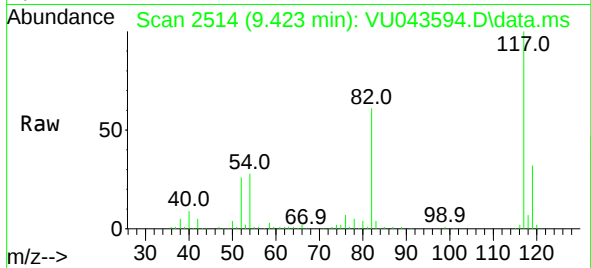




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.423 min Scan# 2514  
Delta R.T. 0.000 min  
Lab File: VU043594.D  
Acq: 06 May 2021 19:26

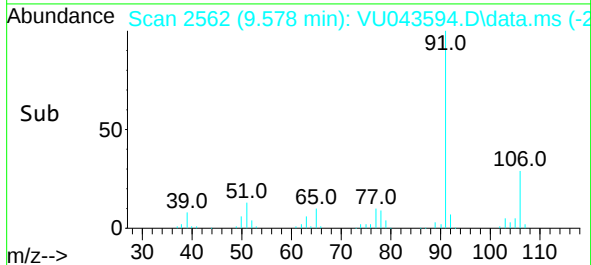
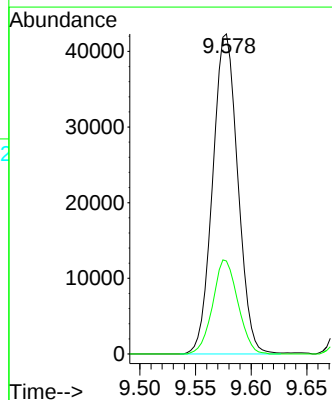
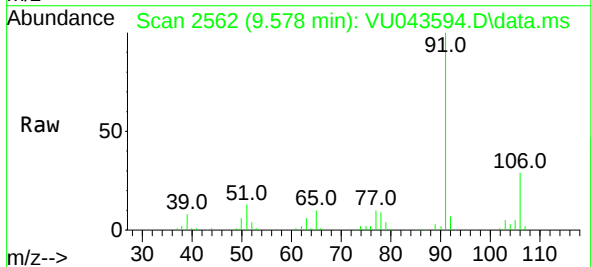
Instrument :  
MSVOA\_U  
ClientSampleId :  
DRUM-B-C-E

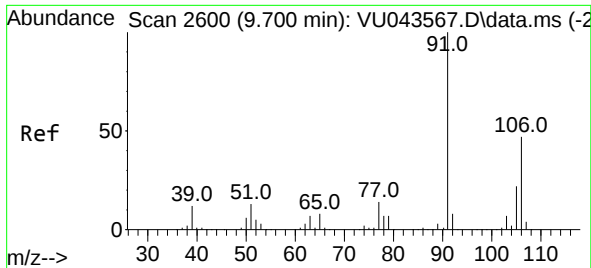
Tgt Ion:117 Resp: 201276  
Ion Ratio Lower Upper  
117 100  
82 61.1 47.5 71.3  
119 32.0 24.7 37.1



#67  
Ethyl Benzene  
Concen: 8.70 ug/l  
RT: 9.578 min Scan# 2562  
Delta R.T. -0.000 min  
Lab File: VU043594.D  
Acq: 06 May 2021 19:26

Tgt Ion: 91 Resp: 66331  
Ion Ratio Lower Upper  
91 100  
106 29.1 24.0 36.0

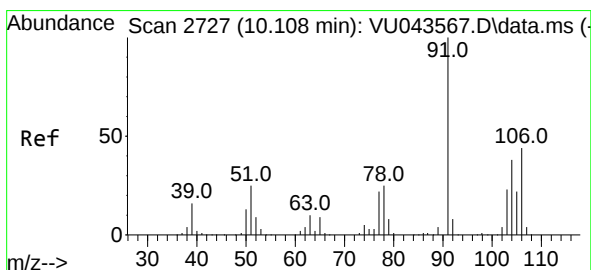
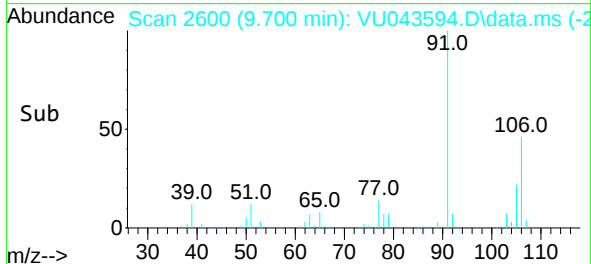
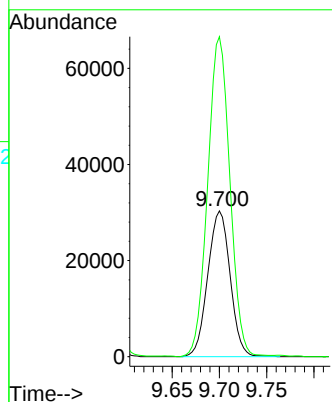
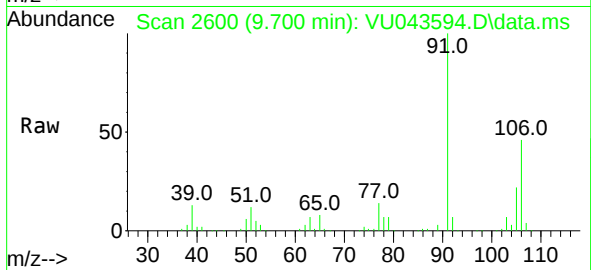




#68  
m/p-Xylenes  
Concen: 17.34 ug/l  
RT: 9.700 min Scan# 2600  
Delta R.T. -0.000 min  
Lab File: VU043594.D  
Acq: 06 May 2021 19:26

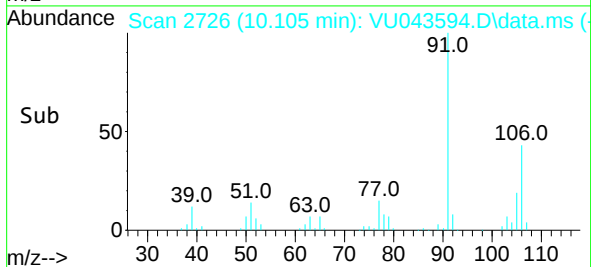
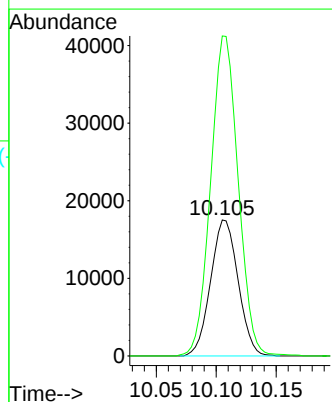
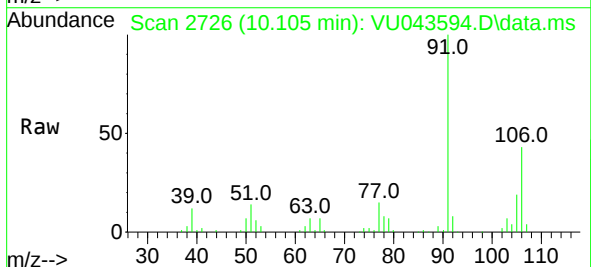
Instrument :  
MSVOA\_U  
ClientSampleId :  
DRUM-B-C-E

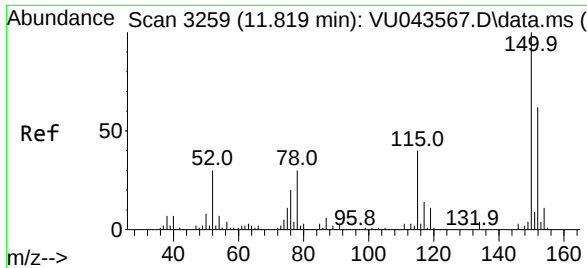
Tgt Ion:106 Resp: 49897  
Ion Ratio Lower Upper  
106 100  
91 217.8 171.7 257.5



#69  
o-Xylene  
Concen: 10.34 ug/l  
RT: 10.105 min Scan# 2726  
Delta R.T. -0.003 min  
Lab File: VU043594.D  
Acq: 06 May 2021 19:26

Tgt Ion:106 Resp: 27934  
Ion Ratio Lower Upper  
106 100  
91 235.4 114.5 343.5

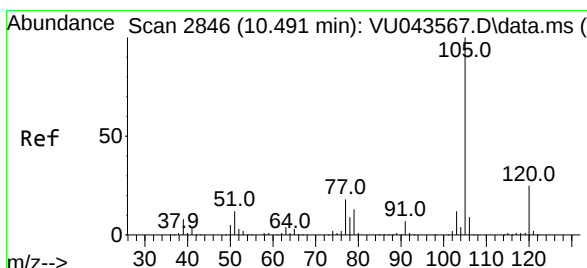
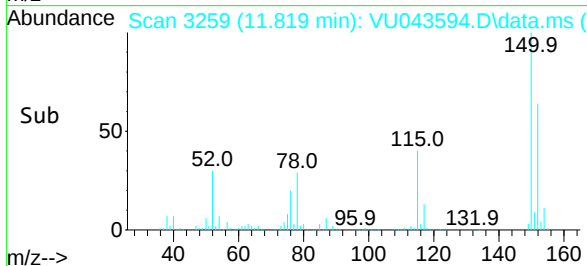
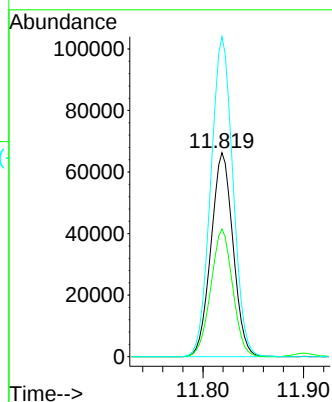
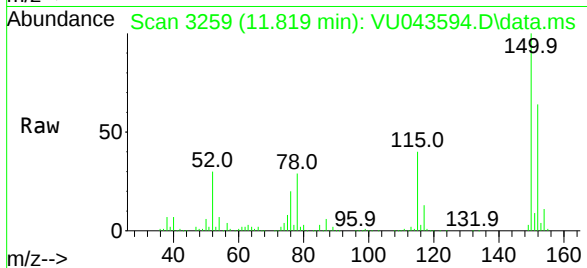




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 11.819 min Scan# 3259  
Delta R.T. 0.000 min  
Lab File: VU043594.D  
Acq: 06 May 2021 19:26

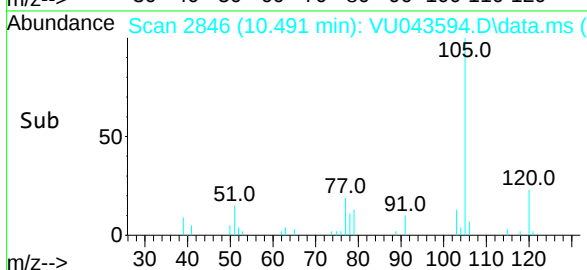
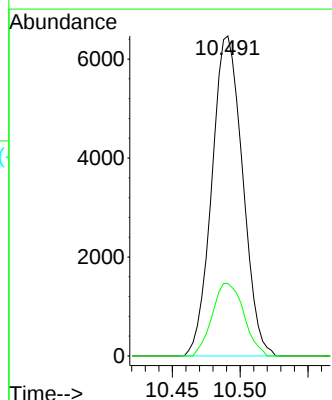
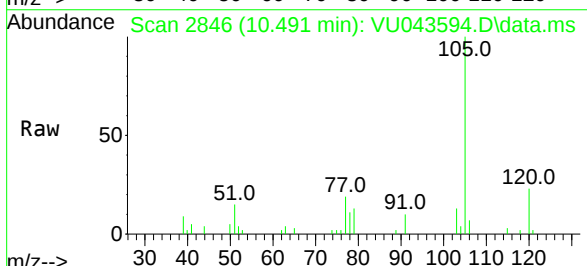
Instrument :  
MSVOA\_U  
ClientSampleId :  
DRUM-B-C-E

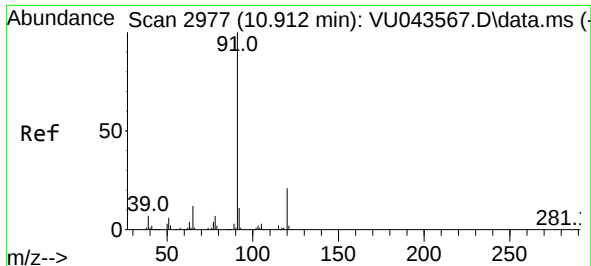
Tgt Ion:152 Resp: 101054  
Ion Ratio Lower Upper  
152 100  
115 62.0 46.1 138.3  
150 157.8 0.0 361.0



#73  
Isopropylbenzene  
Concen: 1.41 ug/l  
RT: 10.491 min Scan# 2846  
Delta R.T. 0.000 min  
Lab File: VU043594.D  
Acq: 06 May 2021 19:26

Tgt Ion:105 Resp: 10192  
Ion Ratio Lower Upper  
105 100  
120 23.3 12.6 37.6

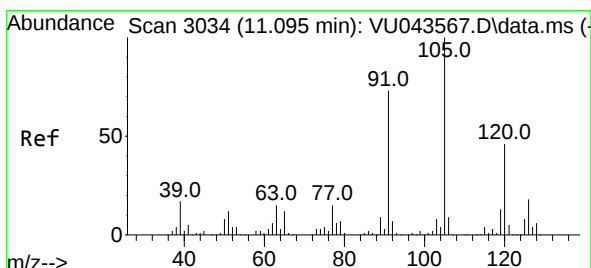
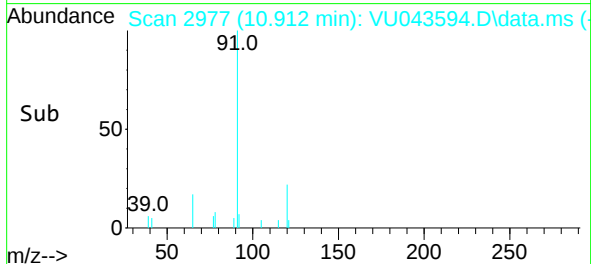
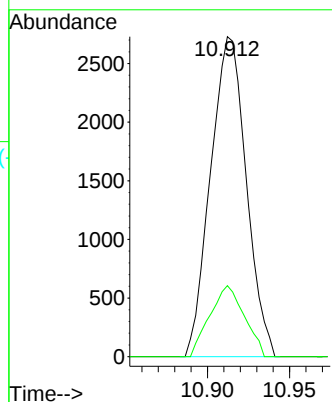
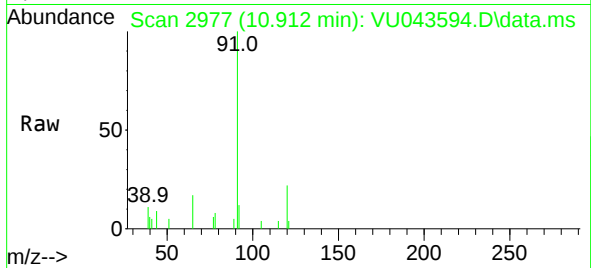




#78  
n-propylbenzene  
Concen: 0.47 ug/l  
RT: 10.912 min Scan# 2977  
Delta R.T. 0.000 min  
Lab File: VU043594.D  
Acq: 06 May 2021 19:26

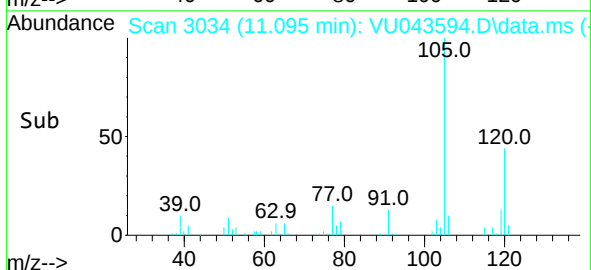
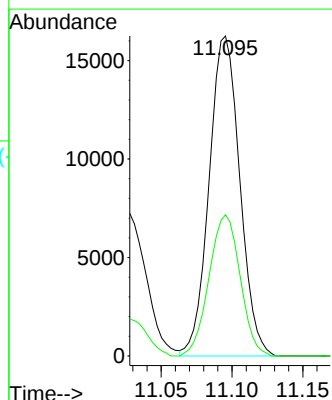
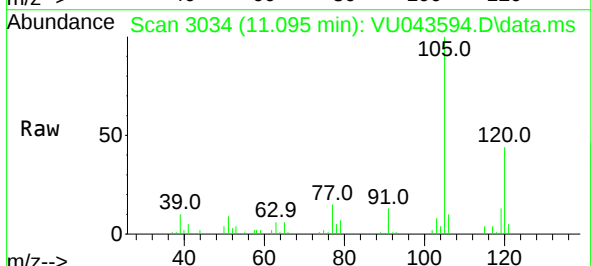
Instrument :  
MSVOA\_U  
ClientSampleId :  
DRUM-B-C-E

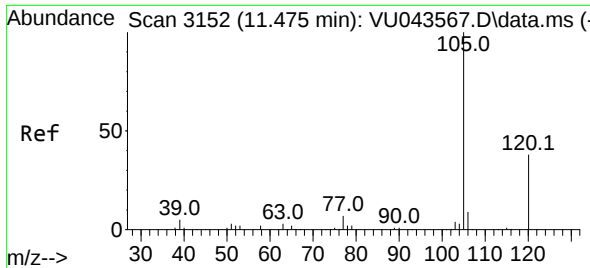
Tgt Ion: 91 Resp: 4127  
Ion Ratio Lower Upper  
91 100  
120 21.5 10.4 31.2



#80  
1,3,5-Trimethylbenzene  
Concen: 4.27 ug/l  
RT: 11.095 min Scan# 3034  
Delta R.T. 0.000 min  
Lab File: VU043594.D  
Acq: 06 May 2021 19:26

Tgt Ion: 105 Resp: 24496  
Ion Ratio Lower Upper  
105 100  
120 44.7 22.9 68.7

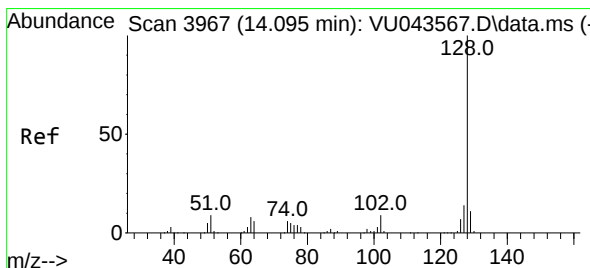
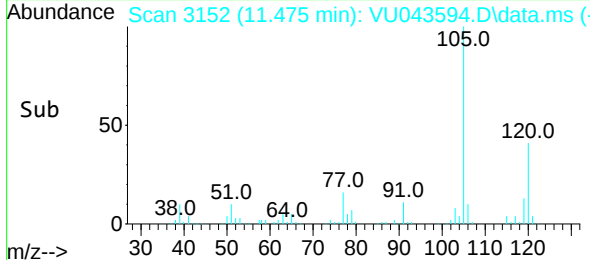
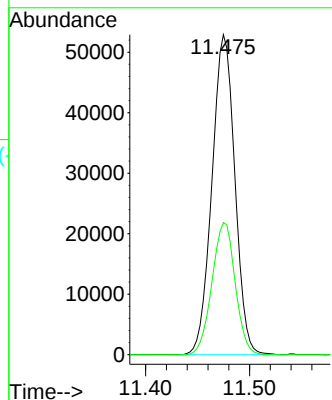
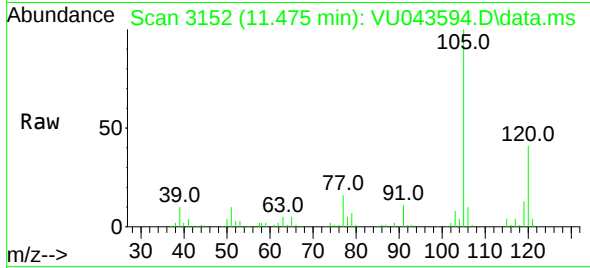




#84  
1,2,4-Trimethylbenzene  
Concen: 12.57 ug/l  
RT: 11.475 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VU043594.D  
Acq: 06 May 2021 19:26

Instrument :  
MSVOA\_U  
ClientSampleId :  
DRUM-B-C-E

Tgt Ion:105 Resp: 80972  
Ion Ratio Lower Upper  
105 100  
120 41.7 21.4 64.2



#95  
Naphthalene  
Concen: 484.48 ug/l  
RT: 14.095 min Scan# 3967  
Delta R.T. 0.000 min  
Lab File: VU043594.D  
Acq: 06 May 2021 19:26

Tgt Ion:128 Resp: 4271081  
Ion Ratio Lower Upper  
128 100  
127 13.5 10.7 16.1  
129 10.9 8.6 12.8

