

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU031822\  
 Data File : VU047615.D  
 Acq On : 18 Mar 2022 14:47  
 Operator : SY/MD  
 Sample : VU0318WBL01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0318WBL01

Quant Time: Mar 19 05:12:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U031822DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Mar 18 13:19:37 2022  
 Response via : Initial Calibration

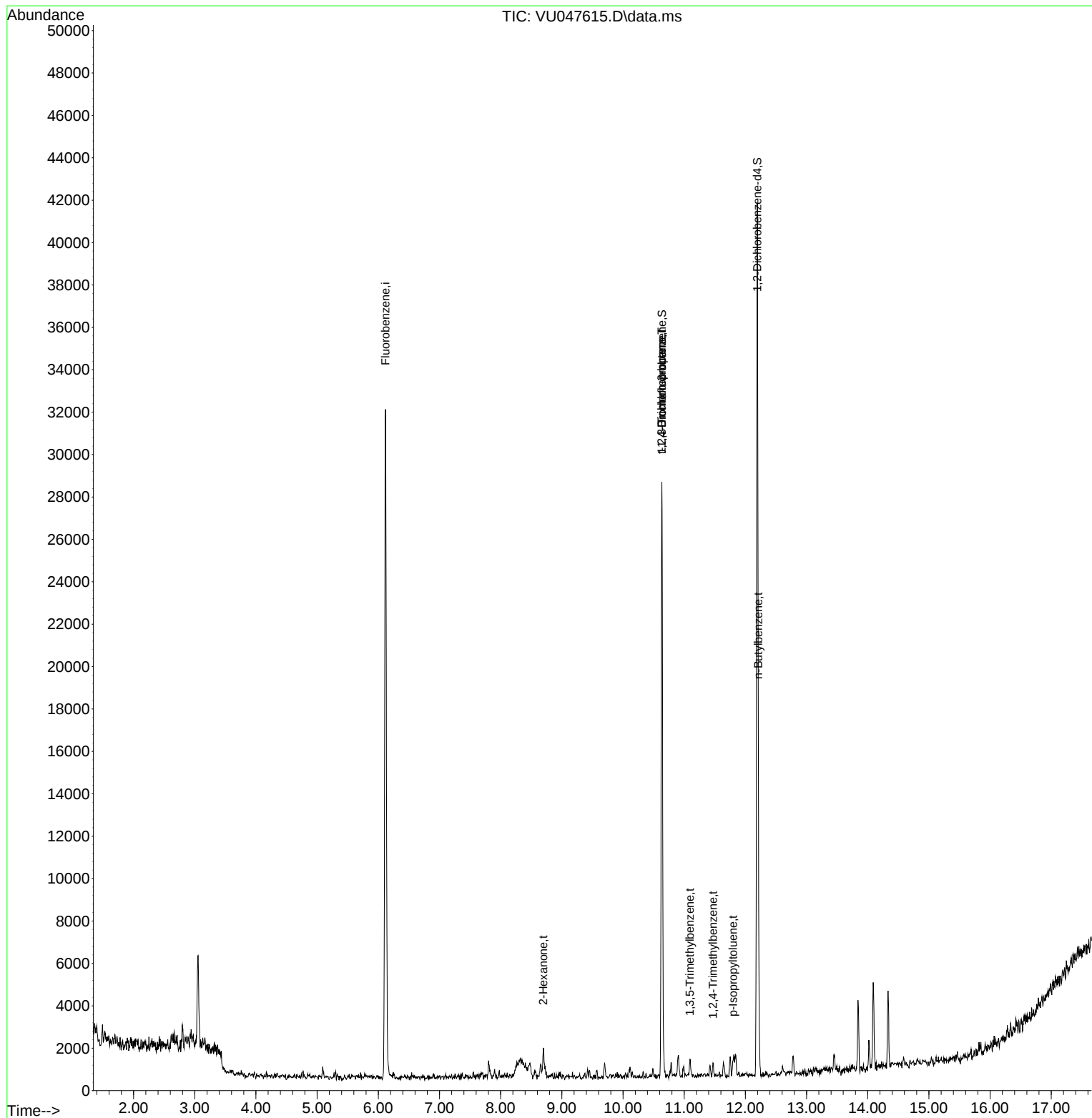
| Compound                    | R.T.   | QIon | Response | Conc      | Units   | Dev(Min)  |
|-----------------------------|--------|------|----------|-----------|---------|-----------|
| -----                       |        |      |          |           |         |           |
| Internal Standards          |        |      |          |           |         |           |
| 1) Fluorobenzene            | 6.118  | 96   | 30055    | 1.000     | ug/l    | # 0.00    |
| System Monitoring Compounds |        |      |          |           |         |           |
| 57) 4-Bromofluorobenzene    | 10.636 | 95   | 9151     | 0.817     | ug/l    | 0.00      |
| Spiked Amount 1.000         |        |      | Recovery | =         | 82.000% |           |
| 68) 1,2-Dichlorobenzene-d4  | 12.195 | 152  | 12585    | 0.927     | ug/l    | 0.00      |
| Spiked Amount 1.000         |        |      | Recovery | =         | 93.000% |           |
| Target Compounds            |        |      |          |           |         |           |
| 15) Methylene Chloride      | 3.051  | 84   | 1980     | Below Cal |         | Qvalue 90 |
| 46) t-1,4-Dichloro-2-butene | 10.632 | 75   | 4737     | 2.165     | ug/l #  | 21        |
| 54) 2-Hexanone              | 8.697  | 43   | 1460     | 0.397     | ug/l #  | 72        |
| 71) 1,2,3-Trichloropropane  | 10.632 | 75   | 4737     | 0.643     | ug/l #  | 38        |
| 75) 1,3,5-Trimethylbenzene  | 11.092 | 105  | 358      | 0.359     | ug/l    | 95        |
| 78) 1,2,4-Trimethylbenzene  | 11.472 | 105  | 589      | 0.362     | ug/l    | 72        |
| 81) p-Isopropyltoluene      | 11.796 | 119  | 719      | 0.445     | ug/l #  | 60        |
| 84) n-Butylbenzene          | 12.211 | 91   | 1170     | 0.482     | ug/l #  | 89        |
| -----                       |        |      |          |           |         |           |

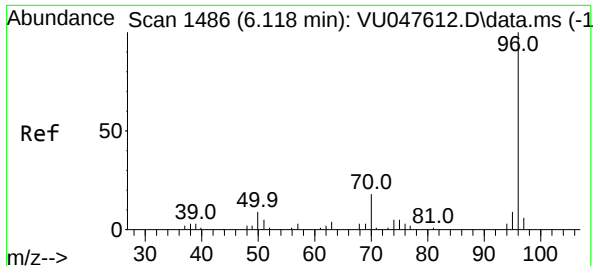
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU031822\  
Data File : VU047615.D  
Acq On : 18 Mar 2022 14:47  
Operator : SY/MD  
Sample : VU0318WBL01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0318WBL01

Quant Time: Mar 19 05:12:26 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U031822DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Fri Mar 18 13:19:37 2022  
Response via : Initial Calibration

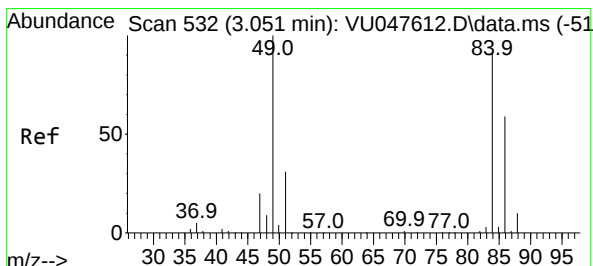
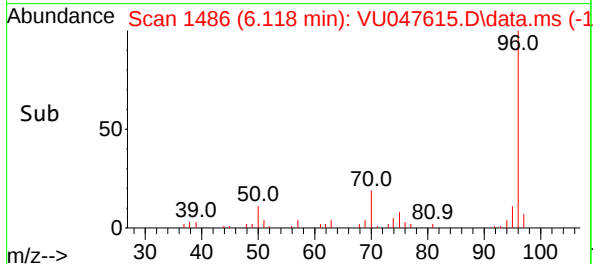
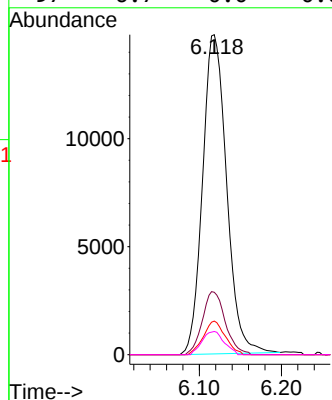
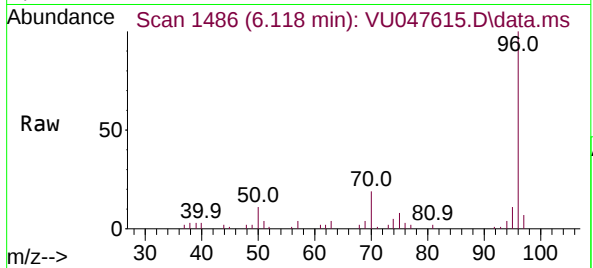




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.118 min Scan# 1486  
Delta R.T. 0.000 min  
Lab File: VU047615.D  
Acq: 18 Mar 2022 14:47

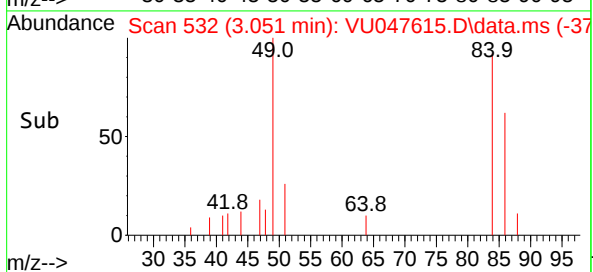
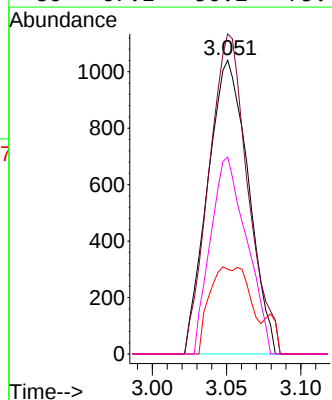
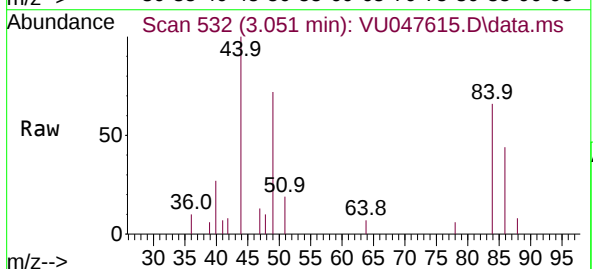
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0318WBL01

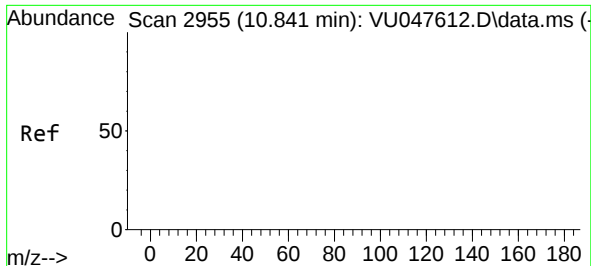
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 30055 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 70 18.8     | 16.8 25.2   |
| 95 9.6      | 7.3 10.9    |
| 97 6.7      | 0.0 0.0     |



#15  
Methylene Chloride  
Concen: Below Cal  
RT: 3.051 min Scan# 532  
Delta R.T. -0.000 min  
Lab File: VU047615.D  
Acq: 18 Mar 2022 14:47

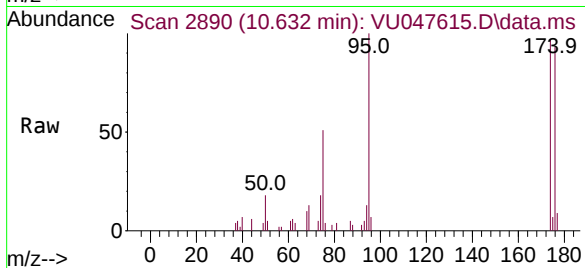
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 1980  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 108.9    | 97.2 145.8  |
| 51 28.8     | 0.0 73.4    |
| 86 67.1     | 50.2 75.4   |





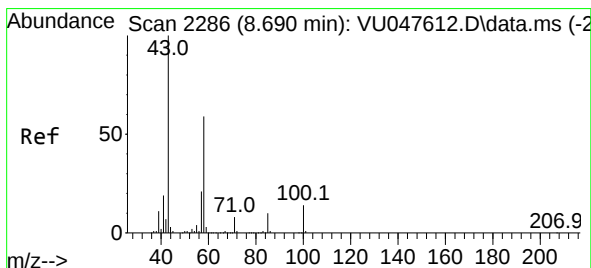
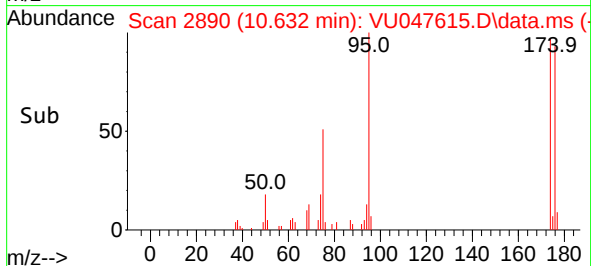
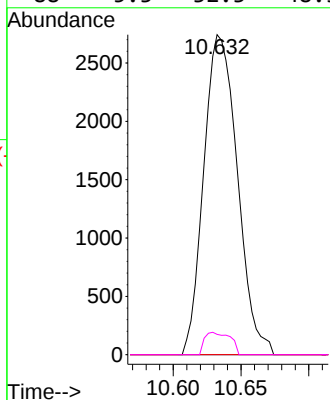
#46  
t-1,4-Dichloro-2-butene  
Concen: 2.165 ug/l  
RT: 10.632 min Scan# 21  
Delta R.T. -0.209 min  
Lab File: VU047615.D  
Acq: 18 Mar 2022 14:47

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0318WBL01



Tgt Ion: 75 Resp: 4737

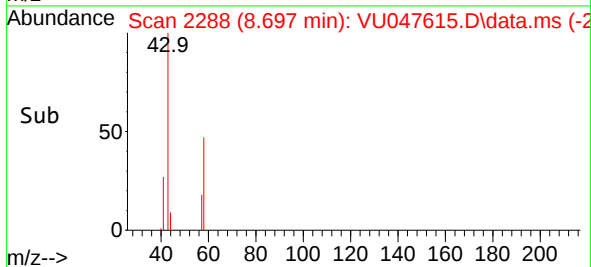
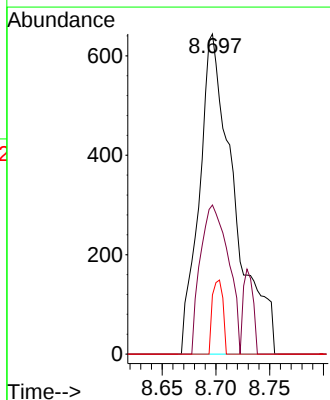
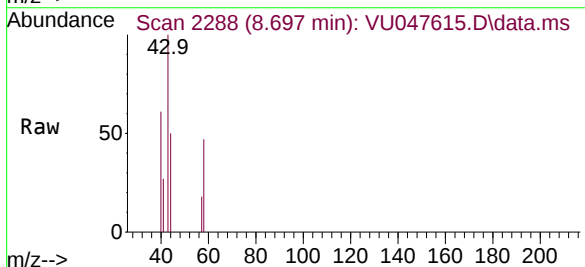
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 75  | 100   |       |        |
| 53  | 0.0   | 66.8  | 100.2# |
| 89  | 0.0   | 41.7  | 62.5#  |
| 88  | 5.3   | 32.3  | 48.5#  |

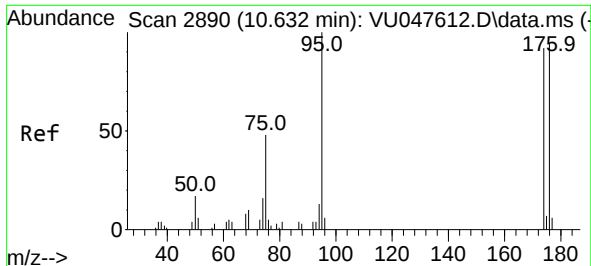


#54  
2-Hexanone  
Concen: 0.397 ug/l  
RT: 8.697 min Scan# 2288  
Delta R.T. 0.006 min  
Lab File: VU047615.D  
Acq: 18 Mar 2022 14:47

Tgt Ion: 43 Resp: 1460

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 37.1  | 37.7  | 77.7# |
| 57  | 6.9   | 0.5   | 40.5  |

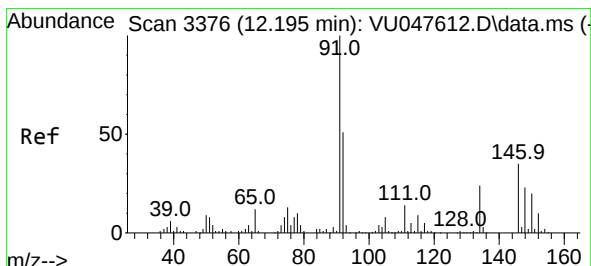
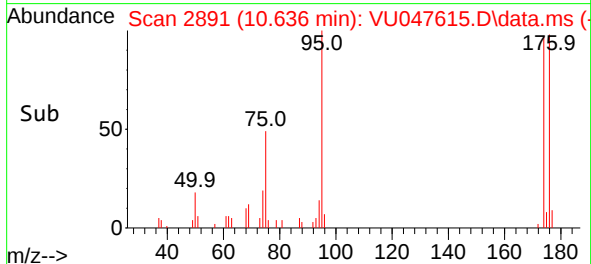
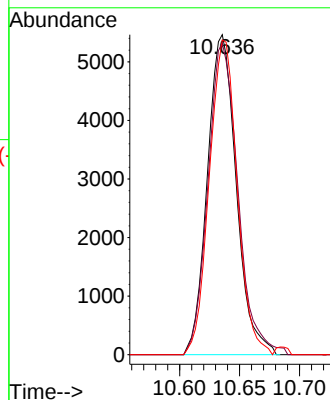
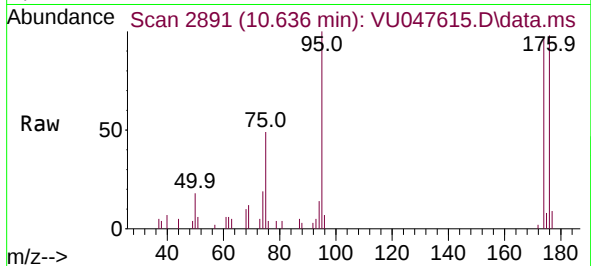




#57  
4-Bromofluorobenzene  
Concen: 0.817 ug/l  
RT: 10.636 min Scan# 2891  
Delta R.T. 0.003 min  
Lab File: VU047615.D  
Acq: 18 Mar 2022 14:47

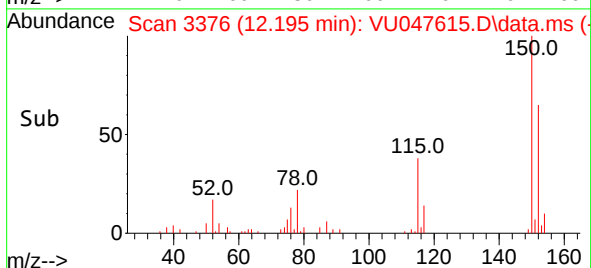
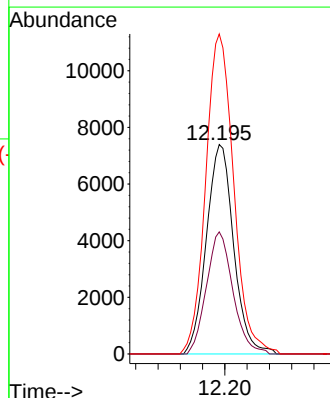
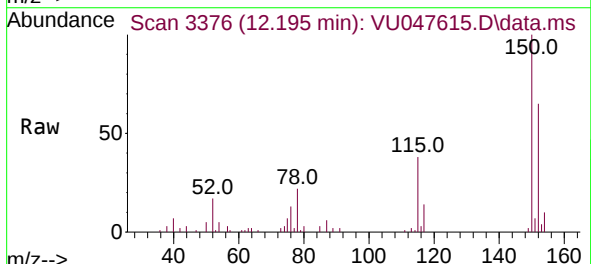
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0318WBL01

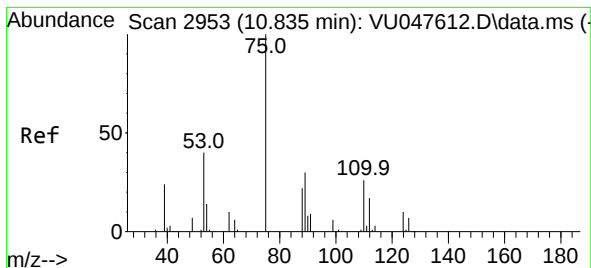
Tgt Ion: 95 Resp: 9151  
Ion Ratio Lower Upper  
95 100  
174 100.7 56.6 84.8#  
176 94.9 54.3 81.5#



#68  
1,2-Dichlorobenzene-d4  
Concen: 0.927 ug/l  
RT: 12.195 min Scan# 3376  
Delta R.T. -0.000 min  
Lab File: VU047615.D  
Acq: 18 Mar 2022 14:47

Tgt Ion: 152 Resp: 12585  
Ion Ratio Lower Upper  
152 100  
115 56.5 0.0 251.0  
150 156.5 0.0 613.8





#71

1,2,3-Trichloropropane

Concen: 0.643 ug/l

RT: 10.632 min Scan# 21

Delta R.T. -0.203 min

Lab File: VU047615.D

Acq: 18 Mar 2022 14:47

Instrument :

MSVOA\_U

ClientSampleId :

VU0318WBL01

Tgt Ion: 75 Resp: 4737

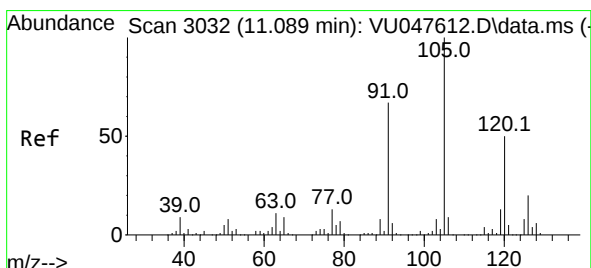
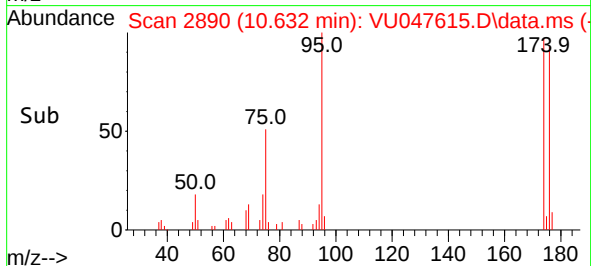
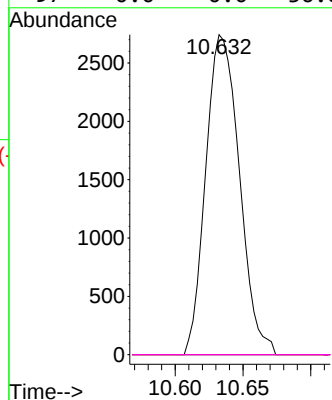
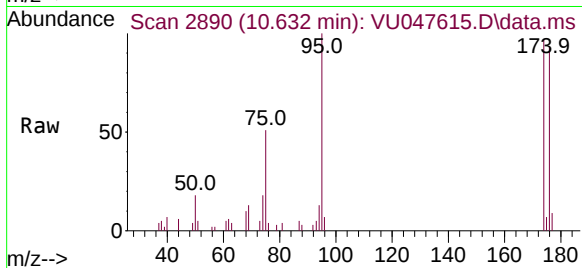
Ion Ratio Lower Upper

75 100

77 2.8 0.0 105.6

110 0.0 0.0 71.2

97 0.0 0.0 36.8



#75

1,3,5-Trimethylbenzene

Concen: 0.359 ug/l

RT: 11.092 min Scan# 3033

Delta R.T. 0.003 min

Lab File: VU047615.D

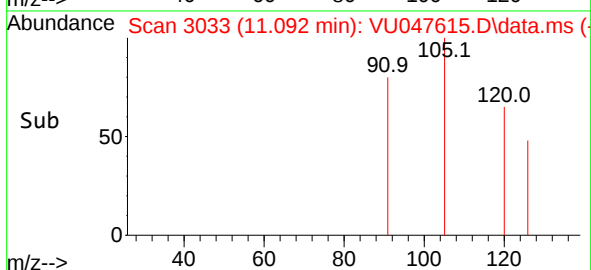
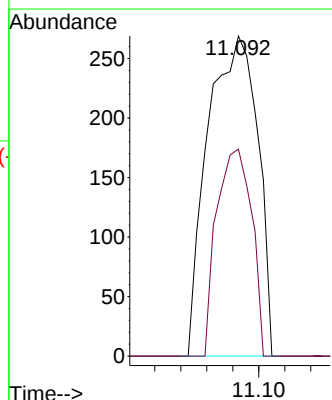
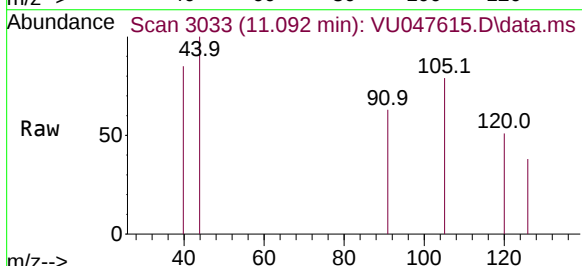
Acq: 18 Mar 2022 14:47

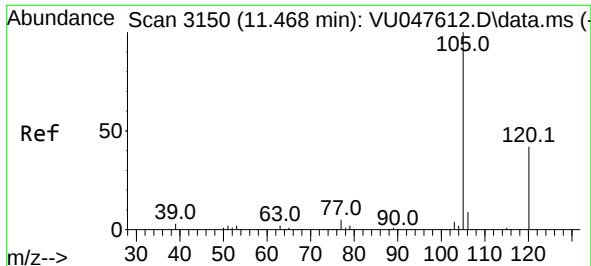
Tgt Ion: 105 Resp: 358

Ion Ratio Lower Upper

105 100

120 45.3 38.6 58.0

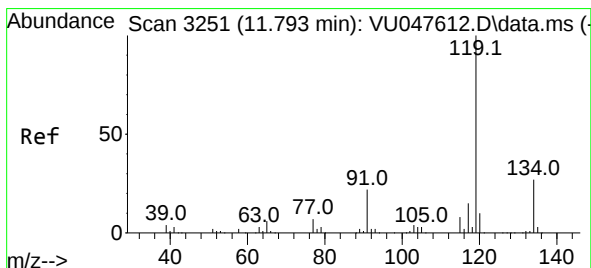
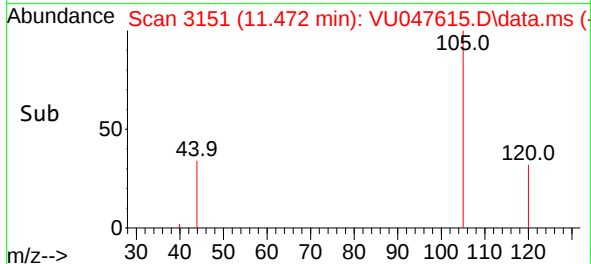
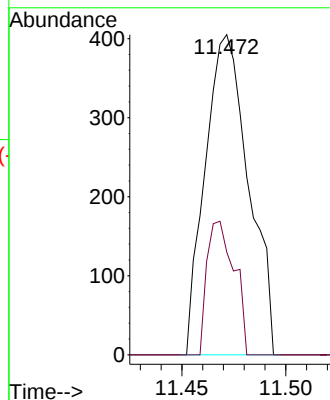
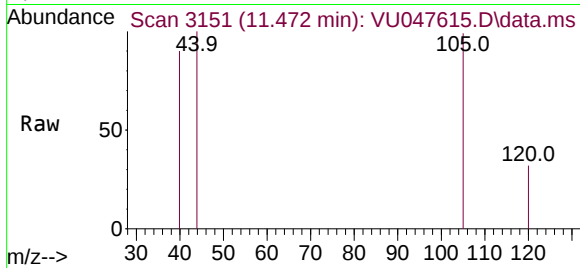




#78  
1,2,4-Trimethylbenzene  
Concen: 0.362 ug/l  
RT: 11.472 min Scan# 3151  
Delta R.T. 0.004 min  
Lab File: VU047615.D  
Acq: 18 Mar 2022 14:47

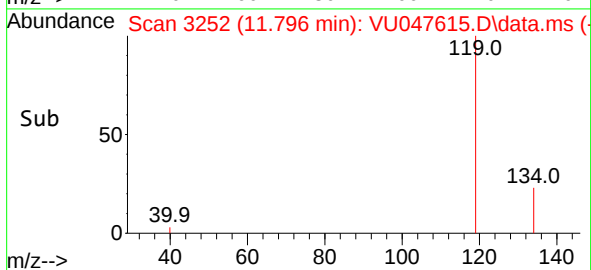
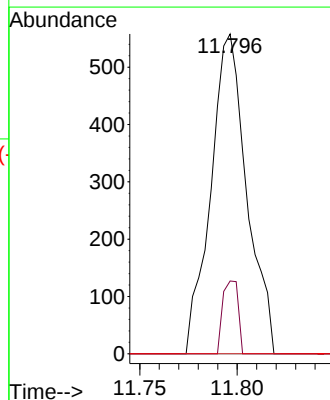
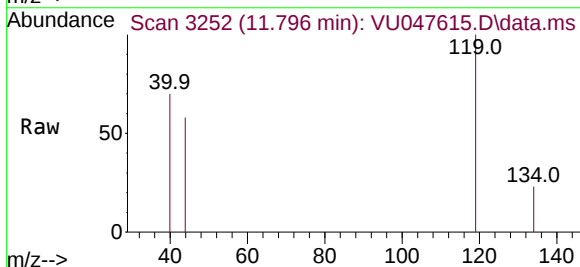
Instrument :  
MSVOA\_U  
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VU0318WBL01

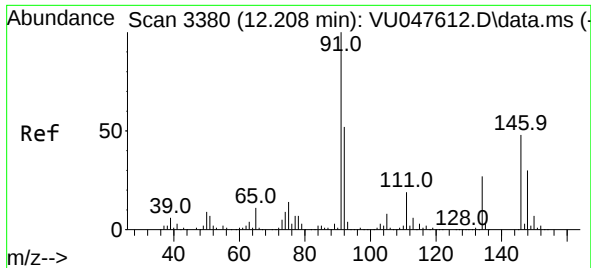
Tgt Ion:105 Resp: 589  
Ion Ratio Lower Upper  
105 100  
120 26.1 22.3 66.8



#81  
p-Isopropyltoluene  
Concen: 0.445 ug/l  
RT: 11.796 min Scan# 3252  
Delta R.T. 0.003 min  
Lab File: VU047615.D  
Acq: 18 Mar 2022 14:47

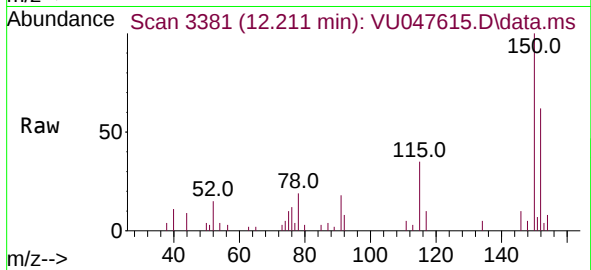
Tgt Ion:119 Resp: 719  
Ion Ratio Lower Upper  
119 100  
134 9.7 20.2 30.4#  
91 0.0 19.9 29.9#





#84  
 n-Butylbenzene  
 Concen: 0.482 ug/l  
 RT: 12.211 min Scan# 31  
 Delta R.T. 0.003 min  
 Lab File: VU047615.D  
 Acq: 18 Mar 2022 14:47

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0318WBL01



|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 91 | Resp: | 1170        |
| Ion         | Ratio | Lower Upper |
| 91          | 100   |             |
| 92          | 47.3  | 43.5 65.3   |
| 134         | 17.6  | 19.0 28.4#  |

