

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111519\  
 Data File : VU035714.D  
 Acq On : 15 Nov 2019 10:07  
 Operator : JC/SP  
 Sample : K5856-18  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAQH5

Quant Time: Nov 18 08:45:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR110419WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Nov 16 01:36:54 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 238265   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 256218   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 134332   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 100156   | 4.08     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 81.60% |
| 7) Chloroethane-d5             | 1.93   | 69    | 89515    | 4.46     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 89.20% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 171220   | 4.15     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 83.00% |
| 20) 2-Butanone-d5              | 4.71   | 46    | 250599   | 46.28    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 92.56% |
| 24) Chloroform-d               | 5.11   | 84    | 175196   | 4.48     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.60% |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 92515    | 4.51     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.20% |
| 32) Benzene-d6                 | 5.77   | 84    | 371494   | 4.61     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.20% |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 117318   | 4.50     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.00% |
| 41) Toluene-d8                 | 7.93   | 98    | 324357   | 4.25     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.00% |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 45209    | 4.34     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 86.80% |
| 46) 2-Hexanone-d5              | 8.68   | 63    | 191383   | 46.89    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 93.78% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 99706    | 4.56     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 91.20% |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 130847   | 4.91     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.20% |

## Target Compounds

|                             |      |     |        |         | Ovalue   |
|-----------------------------|------|-----|--------|---------|----------|
| 3) Chloromethane            | 1.53 | 50  | 115969 | 3.922   | ug/L 96  |
| 6) Bromomethane             | 1.87 | 94  | 67493  | 3.908   | ug/L 97  |
| 9) Trichlorofluoromethane   | 2.16 | 101 | 289246 | 7.826   | ug/L 100 |
| 12) 1,1-Dichloroethene      | 2.61 | 96  | 80381  | 3.837   | ug/L 90  |
| 13) Acetone                 | 2.68 | 43  | 235522 | 60.329  | ug/L 100 |
| 14) Carbon disulfide        | 2.82 | 76  | 387919 | 5.710   | ug/L 99  |
| 16) Methylene chloride      | 3.08 | 84  | 61567  | 2.479   | ug/L 99  |
| 17) Methyl tert-butyl Ether | 3.42 | 73  | 446200 | 9.087   | ug/L 99  |
| 19) 1,1-Dichloroethane      | 3.92 | 63  | 380122 | 9.489   | ug/L 100 |
| 21) 2-Butanone              | 4.78 | 43  | 594720 | 102.594 | ug/L 99  |
| 27) 1,2-Dichloroethane      | 5.84 | 62  | 184748 | 7.620   | ug/L 100 |
| 29) 1,1,1-Trichloroethane   | 5.36 | 97  | 313311 | 9.289   | ug/L 99  |
| 30) Cyclohexane             | 5.43 | 56  | 410998 | 12.188  | ug/L 99  |
| 34) Trichloroethene         | 6.58 | 95  | 128664 | 5.576   | ug/L 98  |
| 35) Methylcyclohexane       | 6.80 | 83  | 238219 | 6.776   | ug/L 98  |
| 37) 1,2-Dichloropropane     | 6.83 | 63  | 54857  | 2.309   | ug/L 100 |
| 42) Toluene                 | 8.00 | 91  | 871962 | 9.191   | ug/L 99  |

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 Sample : K5856-18  
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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAQH5

Quant Time: Nov 18 08:45:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR110419WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Nov 16 01:36:54 2019  
 Response via : Initial Calibration

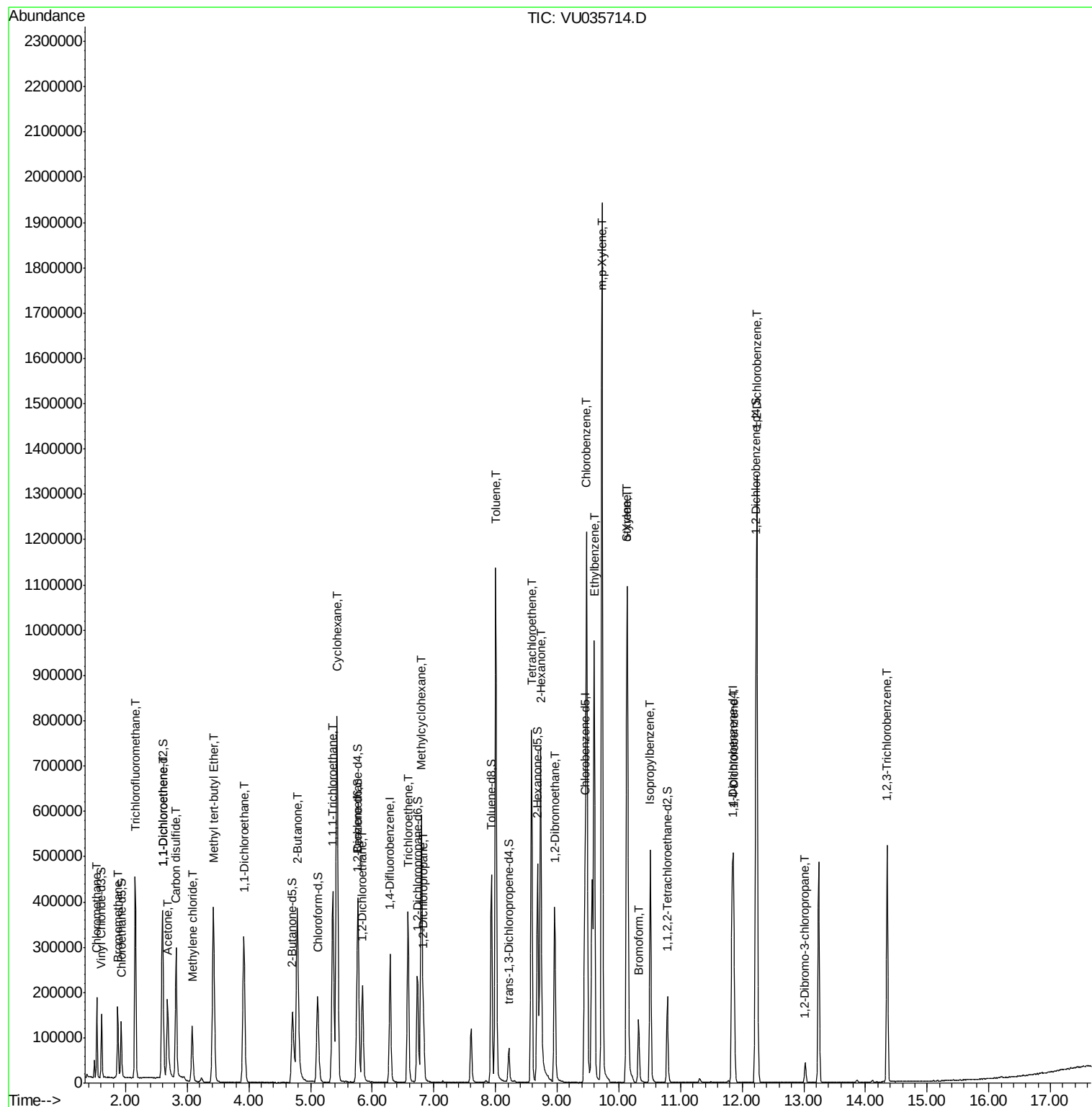
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| -----                          |       |      |          |        |       |          |
| 47) Tetrachloroethene          | 8.58  | 164  | 184674   | 9.183  | ug/L  | 99       |
| 48) 2-Hexanone                 | 8.73  | 43   | 474090   | 48.829 | ug/L  | 94       |
| 50) 1,2-Dibromoethane          | 8.96  | 107  | 270281   | 16.743 | ug/L  | 99       |
| 51) Chlorobenzene              | 9.48  | 112  | 709790   | 11.394 | ug/L  | 99       |
| 52) Ethylbenzene               | 9.60  | 91   | 690920   | 6.920  | ug/L  | 100      |
| 53) m,p-Xylene                 | 9.73  | 106  | 566586   | 14.987 | ug/L  | 97       |
| 54) o-Xylene                   | 10.13 | 106  | 218332   | 5.976  | ug/L  | 99       |
| 55) Styrene                    | 10.14 | 104  | 357066   | 5.911  | ug/L  | 98       |
| 56) Isopropylbenzene           | 10.51 | 105  | 341054   | 3.537  | ug/L  | 100      |
| 61) Bromoform                  | 10.32 | 173  | 70014    | 5.734  | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene        | 11.86 | 146  | 200228   | 4.604  | ug/L  | 99       |
| 65) 1,2-Dichlorobenzene        | 12.24 | 146  | 563371   | 13.291 | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 13.02 | 75   | 11190    | 4.149  | ug/L  | 92       |
| 70) 1,2,3-Trichlorobenzene     | 14.35 | 180  | 174831   | 10.308 | ug/L  | 98       |
| -----                          |       |      |          |        |       |          |

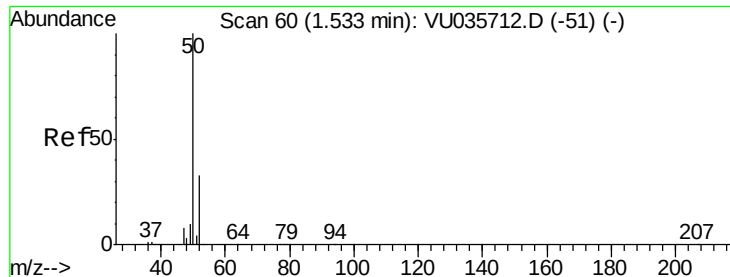
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 18 08:45:23 2019  
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Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Nov 16 01:36:54 2019  
Response via : Initial Calibration

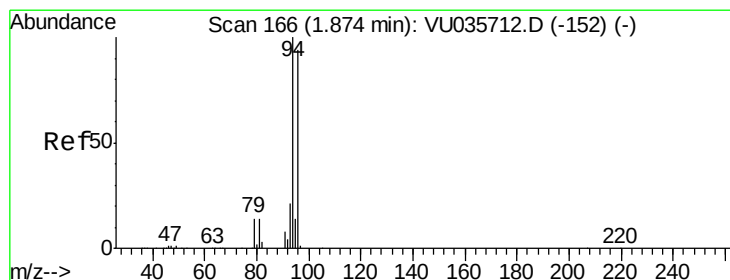
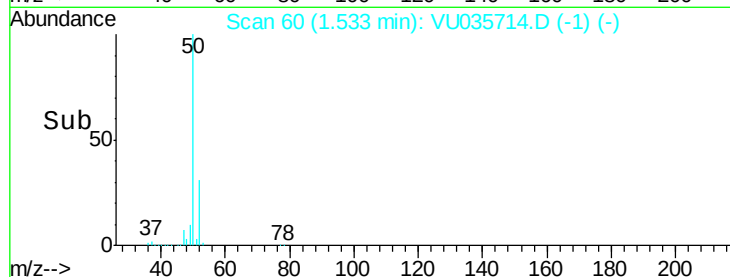
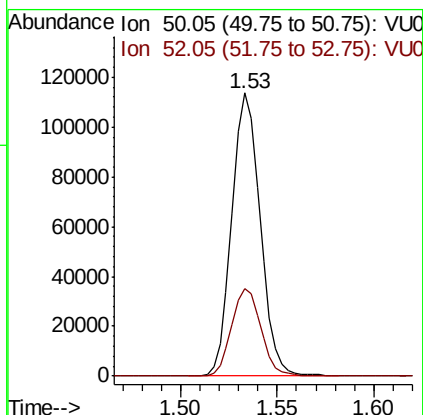
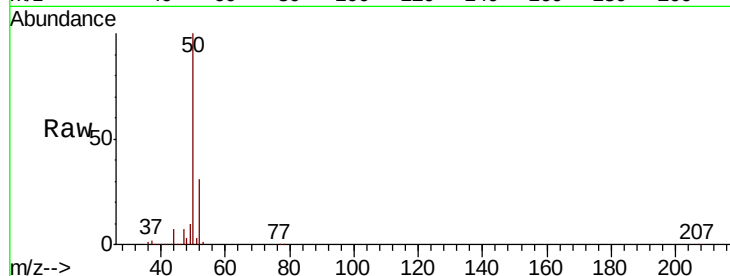




#3  
Chloromethane  
Concen: 3.922 ug/L  
RT: 1.53 min Scan# 60  
Delta R.T. 0.00 min  
Lab File: VU035714.D  
Acq: 15 Nov 2019 10:07

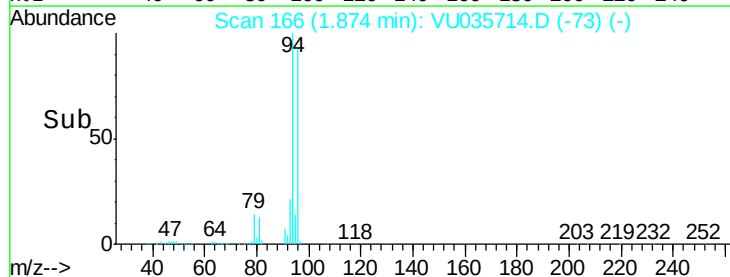
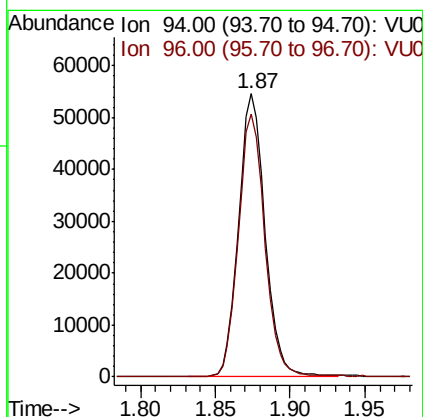
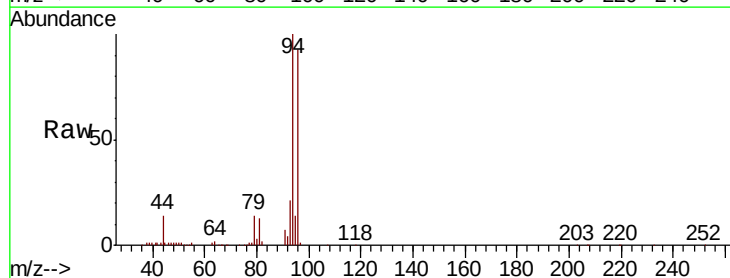
Instrument :  
MSVOA\_U  
ClientSampleId :  
GAQH5

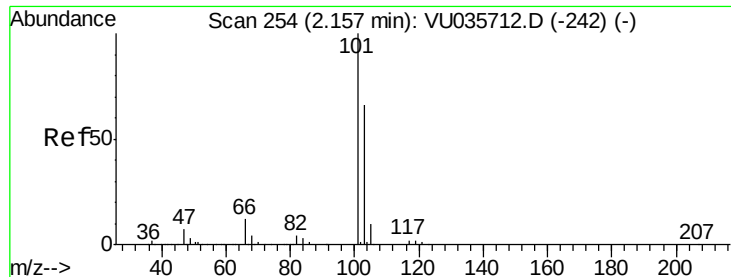
Tot Ion: 50 Resp: 115969  
Ion Ratio Lower Upper  
50 100  
52 31.2 23.4 43.6



#6  
Bromomethane  
Concen: 3.908 ug/L  
RT: 1.87 min Scan# 166  
Delta R.T. 0.00 min  
Lab File: VU035714.D  
Acq: 15 Nov 2019 10:07

Tgt Ion: 94 Resp: 67493  
Ion Ratio Lower Upper  
94 100  
96 93.0 66.8 124.2





#9

Trichlorofluoromethane

Concen: 7.826 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU035714.D

Acq: 15 Nov 2019 10:07

Instrument :

MSVOA\_U

ClientSampleId :

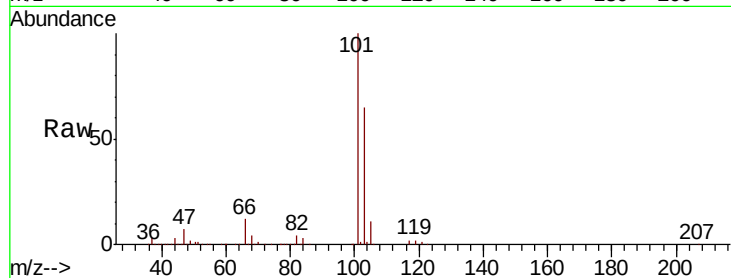
GAQH5

Tot Ion:101 Resp: 289246

Ion Ratio Lower Upper

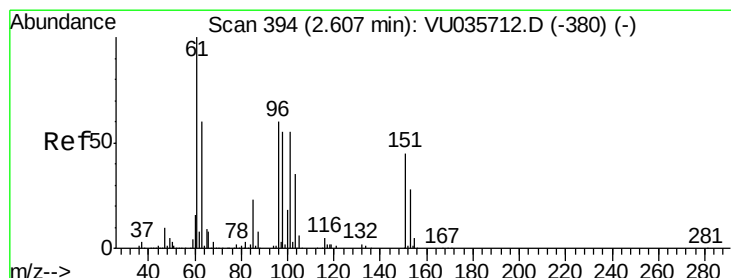
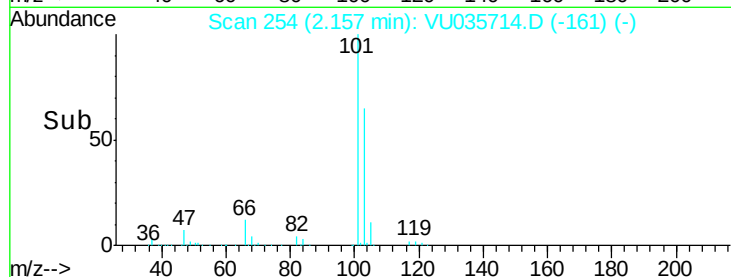
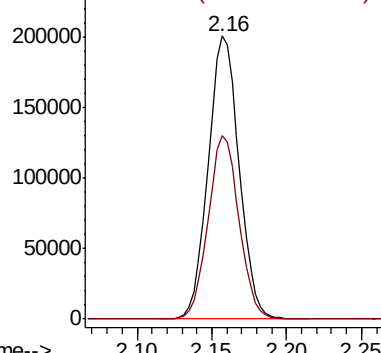
101 100

103 64.7 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1-Dichloroethene

Concen: 3.837 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035714.D

Acq: 15 Nov 2019 10:07

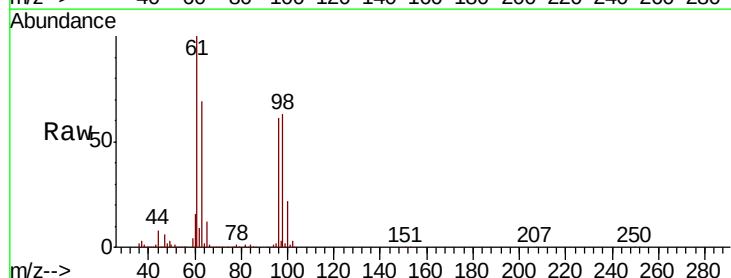
Tgt Ion: 96 Resp: 80381

Ion Ratio Lower Upper

96 100

61 162.9 123.1 228.5

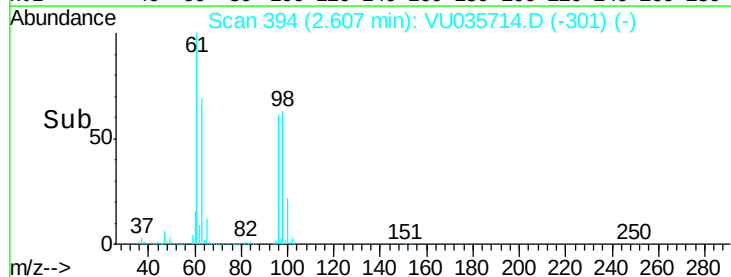
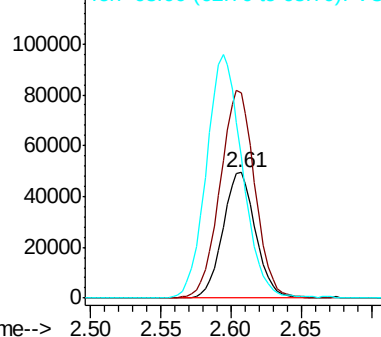
63 112.6 87.8 163.0

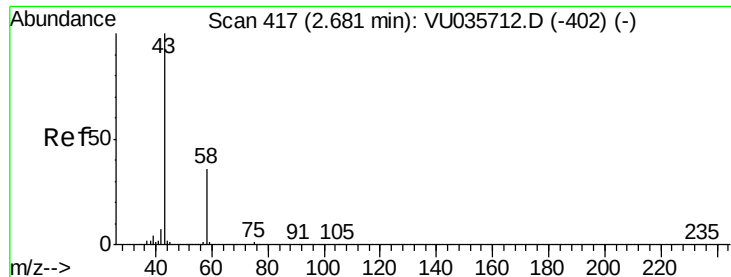


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 60.329 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.00 min

Lab File: VU035714.D

Acq: 15 Nov 2019 10:07

Instrument :

MSVOA\_U

ClientSampleId :

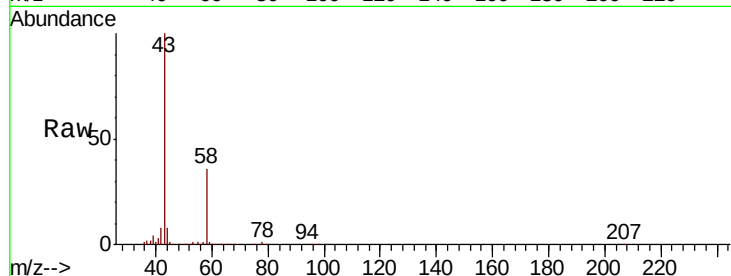
GAQH5

Tot Ion: 43 Resp: 23522

Ion Ratio Lower Upper

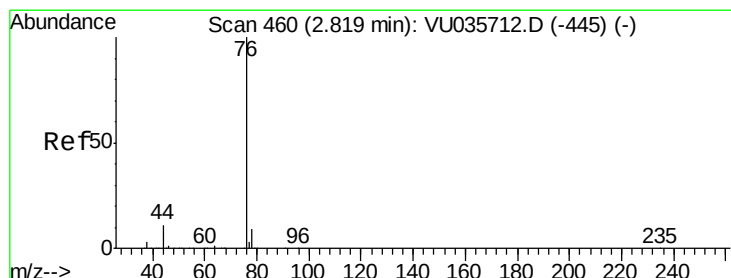
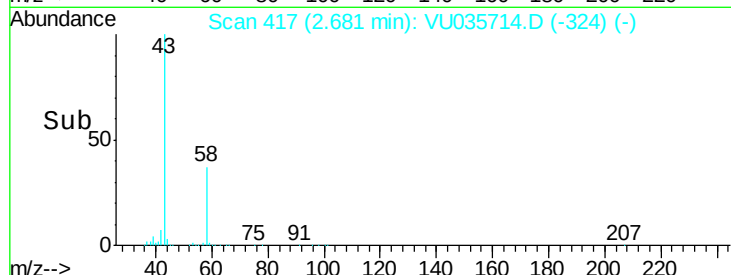
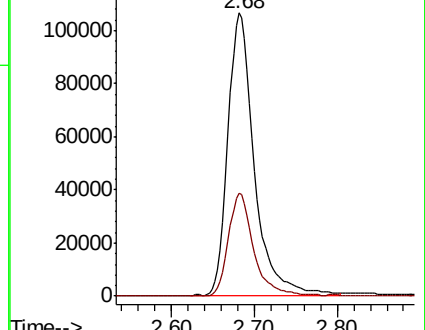
43 100

58 34.8 0.0 69.8



Abundance Ion 43.05 (42.75 to 43.75): VU035714.D (-324) (-)

Ion 58.05 (57.75 to 58.75): VU035714.D (-324) (-)



#14

Carbon disulfide

Concen: 5.710 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU035714.D

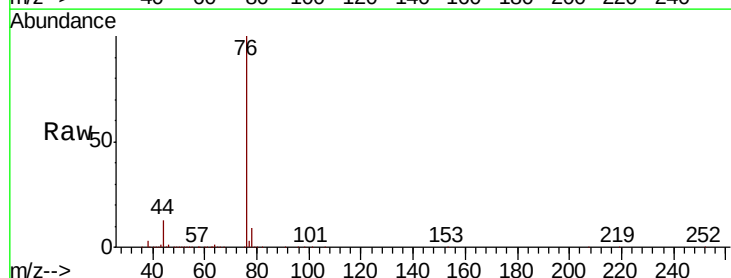
Acq: 15 Nov 2019 10:07

Tgt Ion: 76 Resp: 387919

Ion Ratio Lower Upper

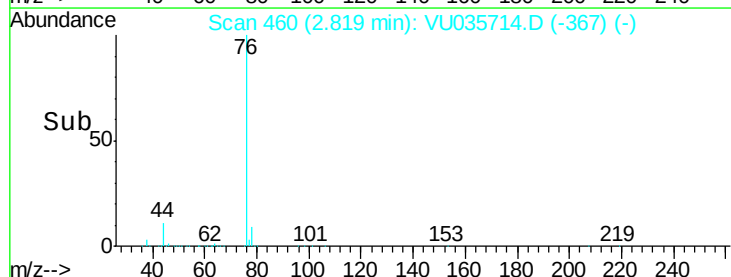
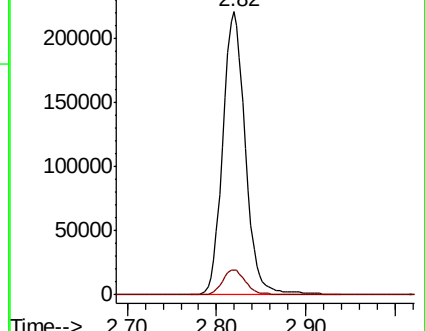
76 100

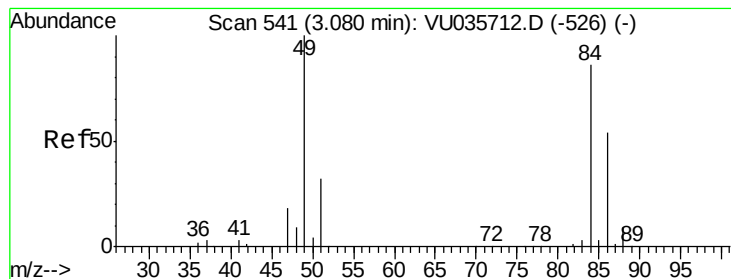
78 8.9 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU035714.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU035714.D (-367) (-)





#16

Methylene chloride

Concen: 2.479 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU035714.D

Acq: 15 Nov 2019 10:07

Instrument :

MSVOA\_U

ClientSampleId :

GAQH5

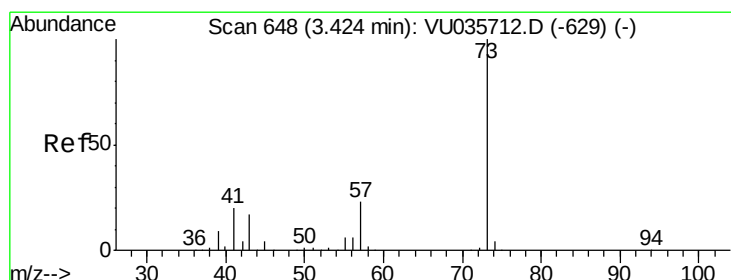
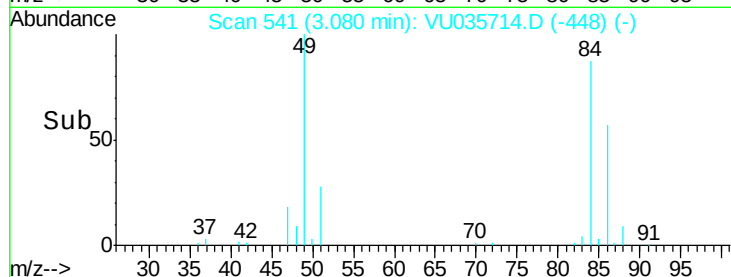
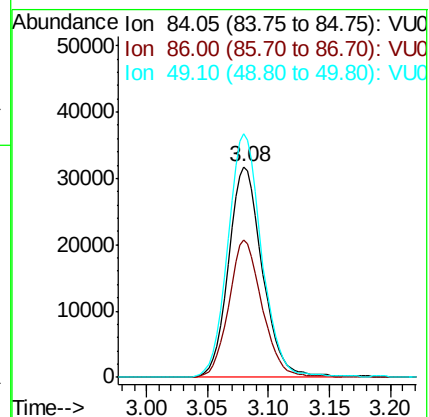
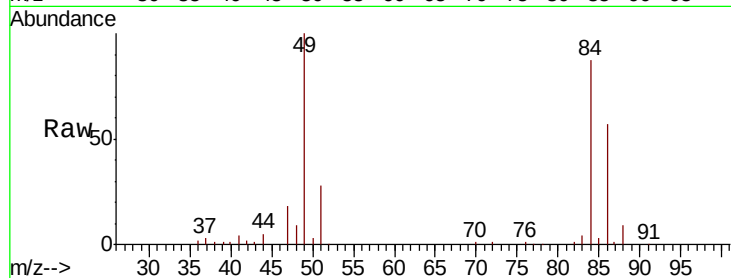
Tot Ion: 84 Resp: 61567

Ion Ratio Lower Upper

84 100

86 65.5 45.8 85.2

49 115.6 81.9 152.1



#17

Methyl tert-butyl Ether

Concen: 9.087 ug/L

RT: 3.42 min Scan# 648

Delta R.T. 0.00 min

Lab File: VU035714.D

Acq: 15 Nov 2019 10:07

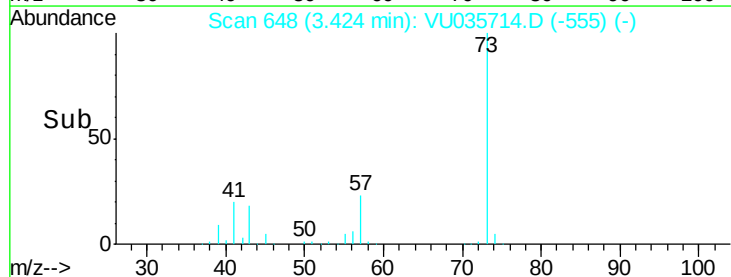
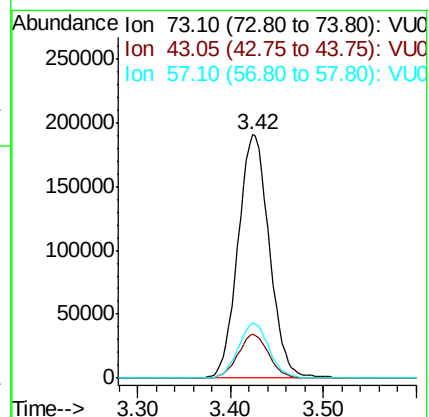
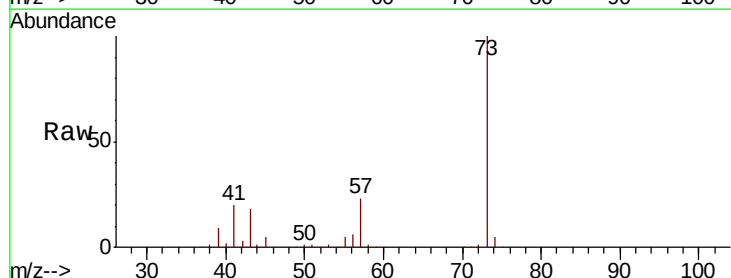
Tgt Ion: 73 Resp: 446200

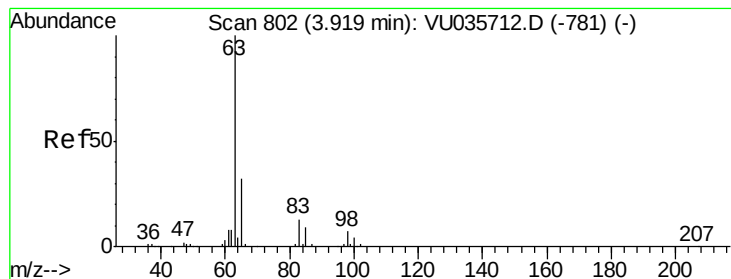
Ion Ratio Lower Upper

73 100

43 17.5 14.4 21.6

57 22.2 18.2 27.2





#19

1,1-Dichloroethane

Concen: 9.489 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

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Acq: 15 Nov 2019 10:07

Instrument :

MSVOA\_U

ClientSampleId :

GAQH5

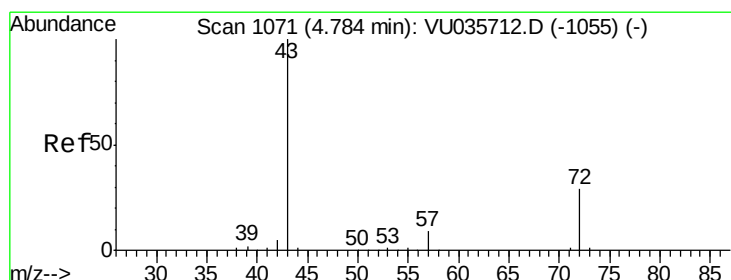
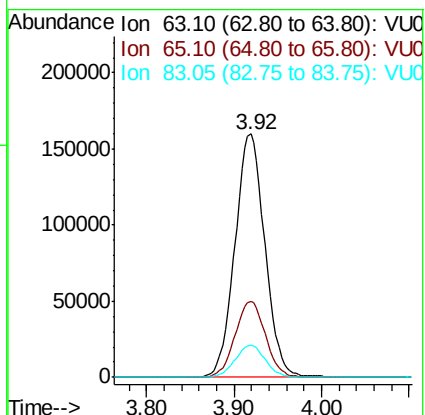
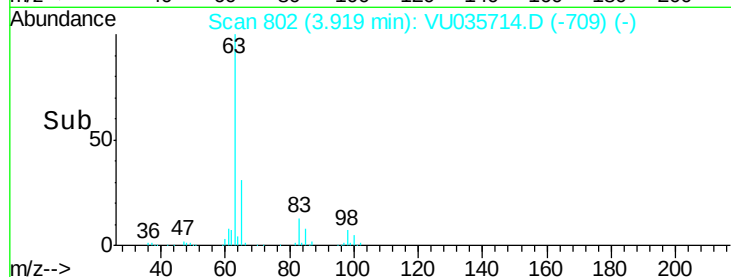
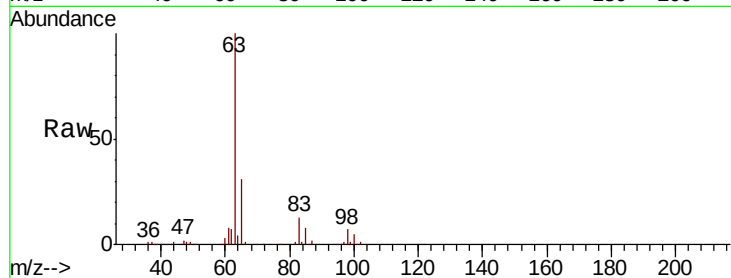
Tot Ion: 63 Resp: 380122

Ion Ratio Lower Upper

63 100

65 31.4 22.0 40.8

83 13.1 9.3 17.3



#21

2-Butanone

Concen: 102.594 ug/L

RT: 4.78 min Scan# 1071

Delta R.T. 0.00 min

Lab File: VU035714.D

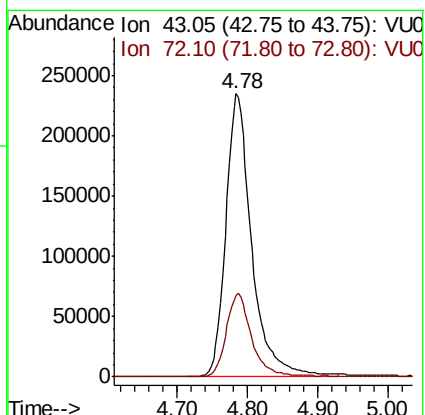
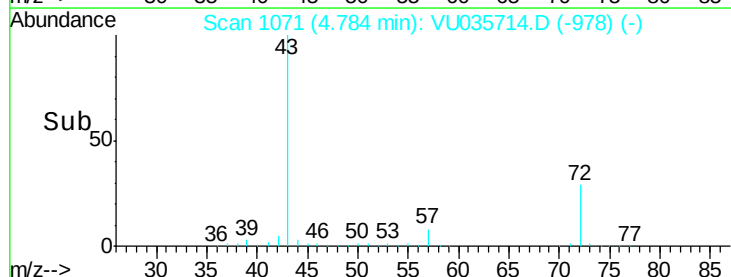
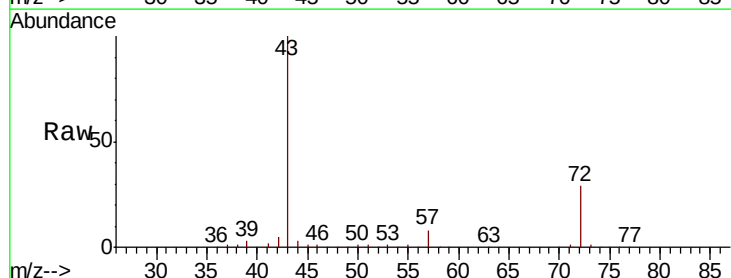
Acq: 15 Nov 2019 10:07

Tgt Ion: 43 Resp: 594720

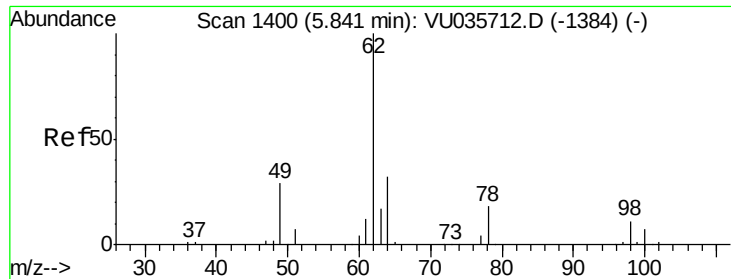
Ion Ratio Lower Upper

43 100

72 29.1 14.3 42.9



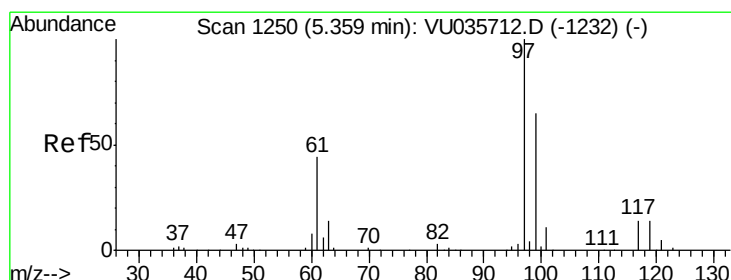
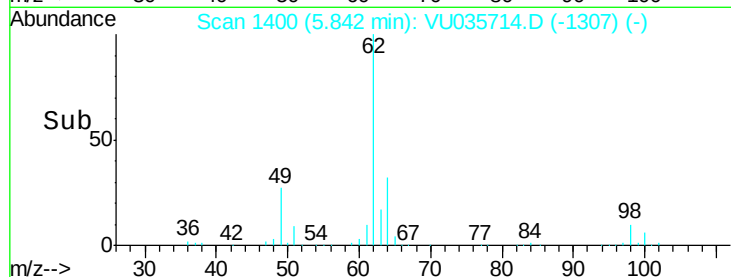
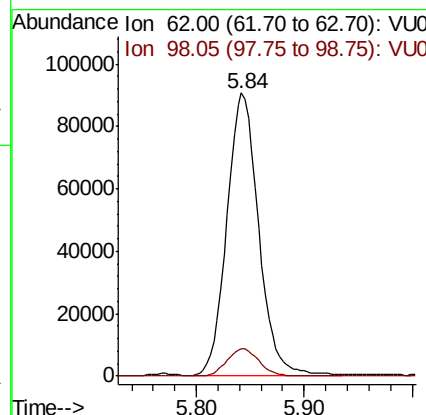
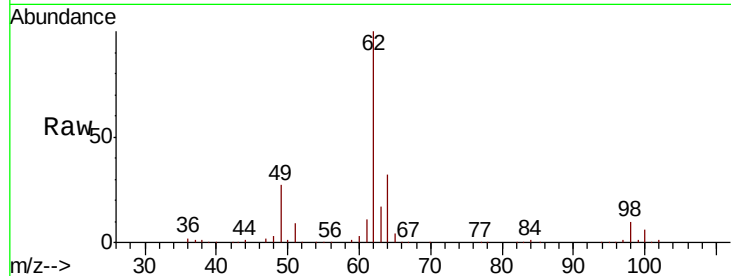




#27  
 1,2-Dichloroethane  
 Concen: 7.620 ug/L  
 RT: 5.84 min Scan# 1400  
 Delta R.T. 0.00 min  
 Lab File: VU035714.D  
 Acq: 15 Nov 2019 10:07

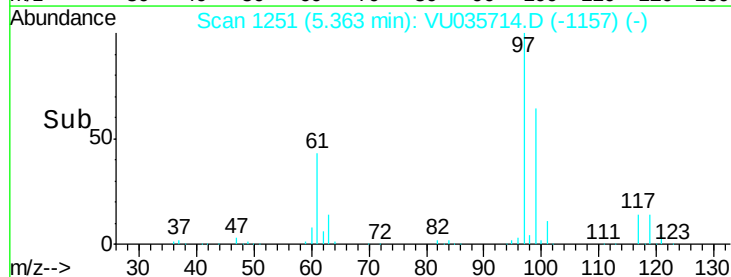
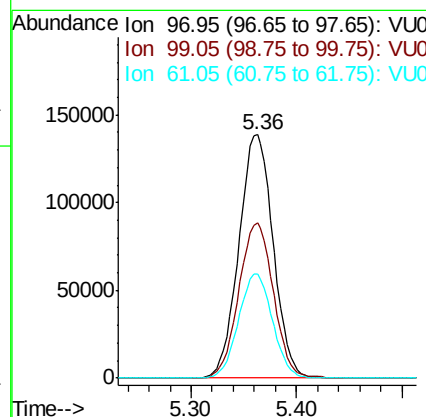
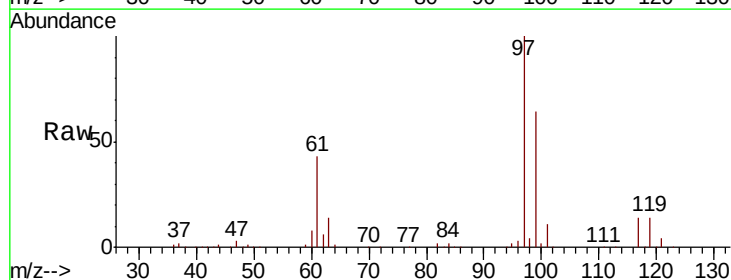
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAQH5

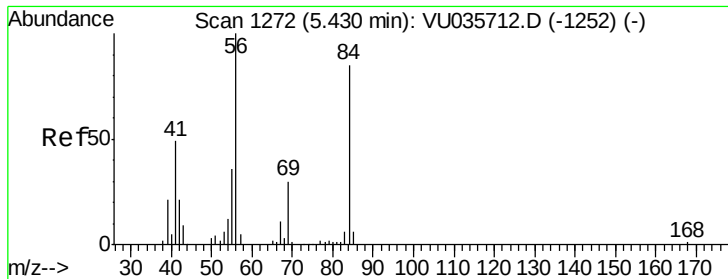
Tot Ion: 62 Resp: 184748  
 Ion Ratio Lower Upper  
 62 100  
 98 9.8 8.0 12.0



#29  
 1,1,1-Trichloroethane  
 Concen: 9.289 ug/L  
 RT: 5.36 min Scan# 1251  
 Delta R.T. 0.00 min  
 Lab File: VU035714.D  
 Acq: 15 Nov 2019 10:07

Tgt Ion: 97 Resp: 313311  
 Ion Ratio Lower Upper  
 97 100  
 99 64.4 51.3 76.9  
 61 42.3 34.4 51.6

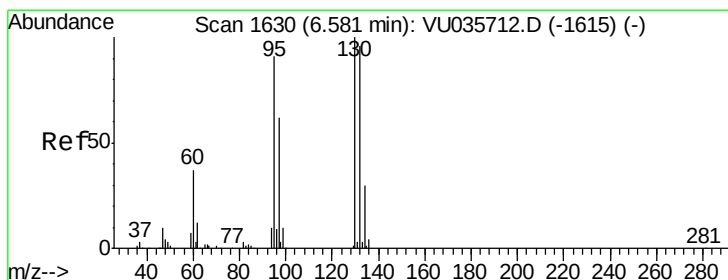
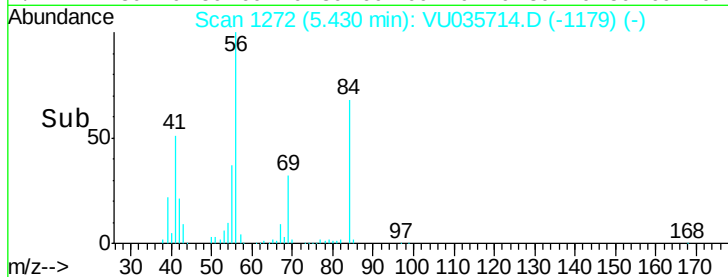
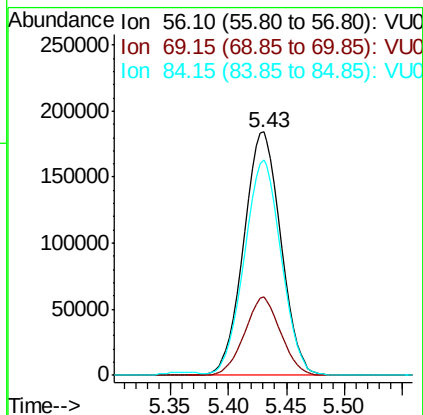
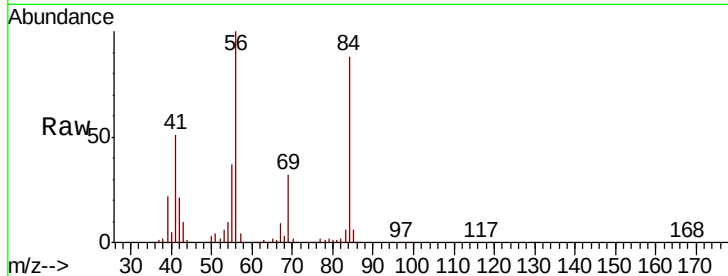




#30  
Cyclohexane  
Concen: 12.188 ug/L  
RT: 5.43 min Scan# 1272  
Delta R.T. 0.00 min  
Lab File: VU035714.D  
Acq: 15 Nov 2019 10:07

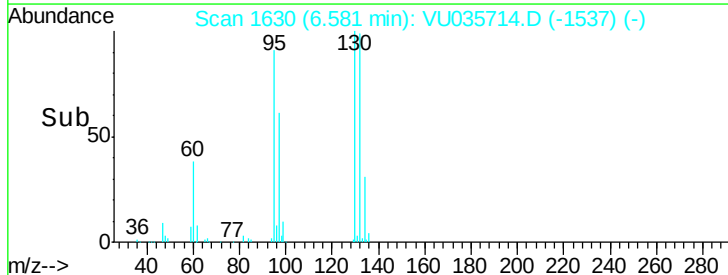
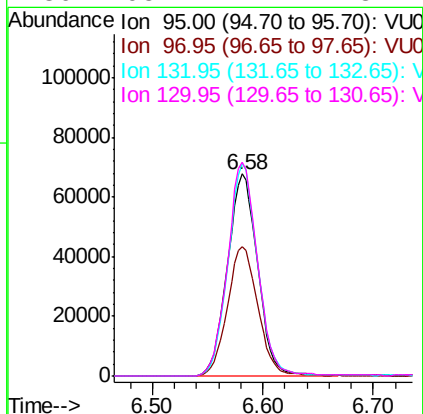
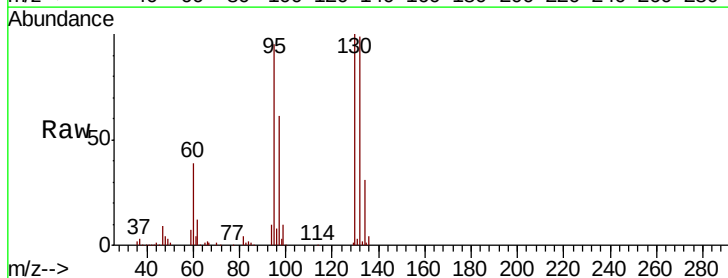
Instrument :  
MSVOA\_U  
ClientSampleId :  
GAQH5

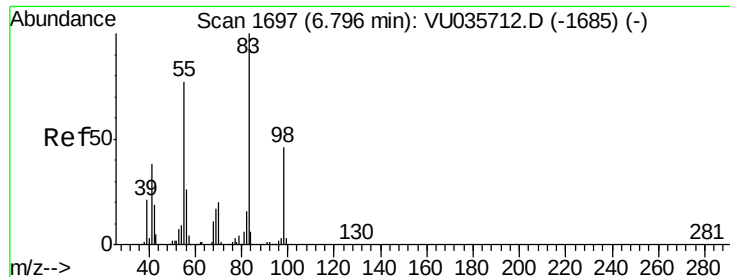
| Tot Ion   | 56    | Resp  | 410998 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 31.3  | 24.6  | 37.0   |
| 84        | 87.9  | 69.7  | 104.5  |



#34  
Trichloroethene  
Concen: 5.576 ug/L  
RT: 6.58 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: VU035714.D  
Acq: 15 Nov 2019 10:07

| Tgt Ion   | 95    | Resp  | 128664 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 97        | 64.2  | 44.5  | 82.7   |
| 132       | 104.8 | 69.9  | 129.7  |
| 130       | 105.7 | 74.1  | 137.7  |

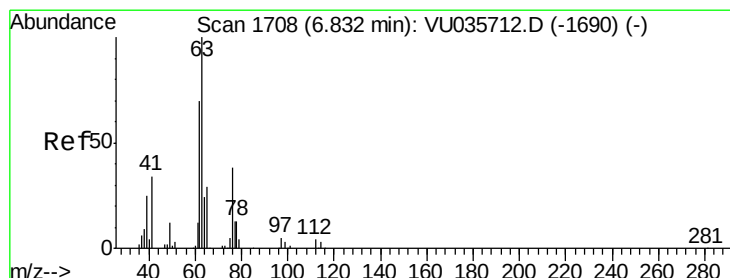
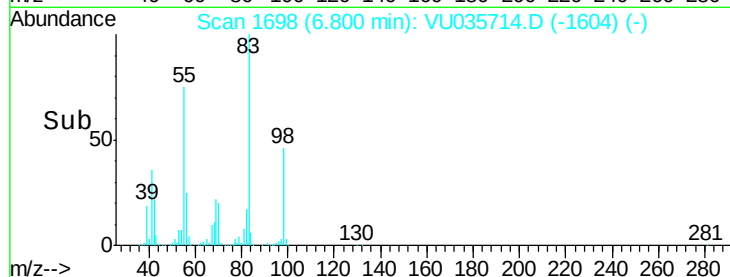
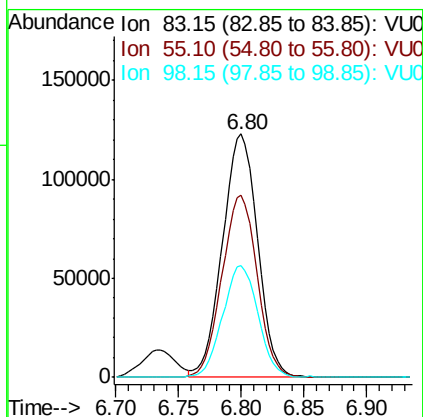
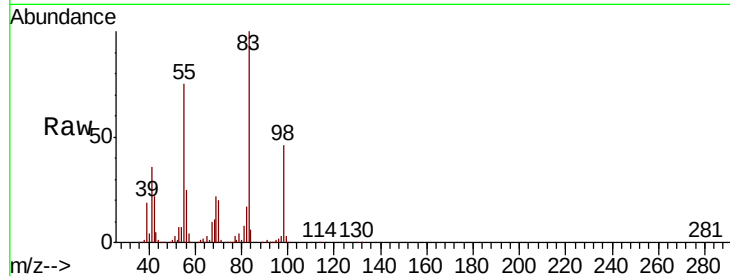




#35  
Methylvlcyclohexane  
Concen: 6.776 ug/L  
RT: 6.80 min Scan# 1698  
Delta R.T. 0.00 min  
Lab File: VU035714.D  
Acq: 15 Nov 2019 10:07

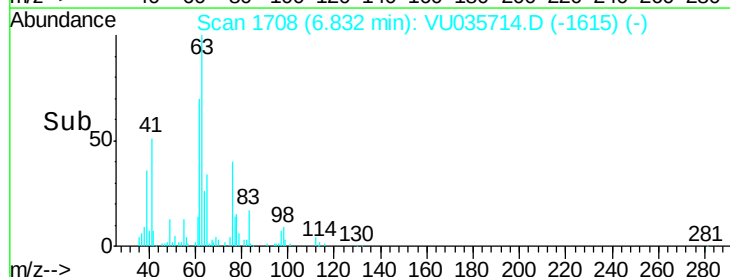
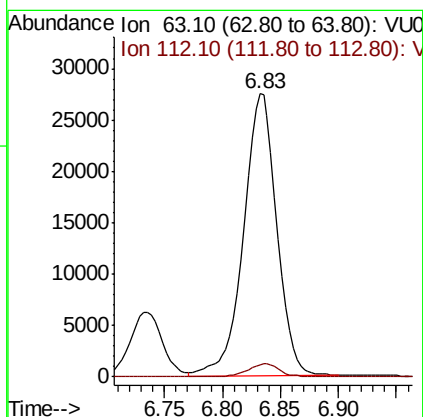
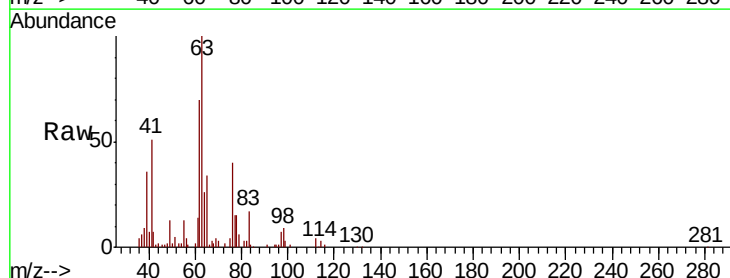
Instrument :  
MSVOA\_U  
ClientSampleId :  
GAQH5

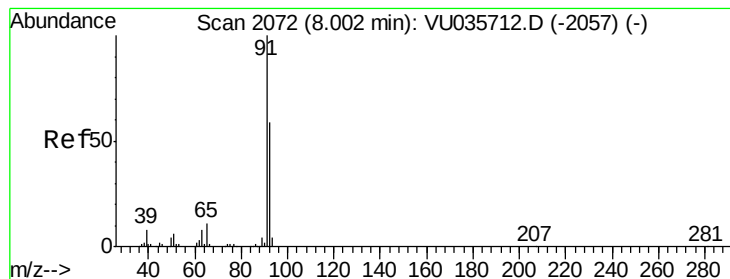
Tot Ion: 83 Resp: 238219  
Ion Ratio Lower Upper  
83 100  
55 75.6 62.6 93.8  
98 46.5 37.2 55.8



#37  
1,2-Dichloropropane  
Concen: 2.309 ug/L  
RT: 6.83 min Scan# 1708  
Delta R.T. 0.00 min  
Lab File: VU035714.D  
Acq: 15 Nov 2019 10:07

Tgt Ion: 63 Resp: 54857  
Ion Ratio Lower Upper  
63 100  
112 4.4 3.4 5.2





#42

Toluene

Concen: 9.191 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU035714.D

Acq: 15 Nov 2019 10:07

Instrument :

MSVOA\_U

ClientSampleId :

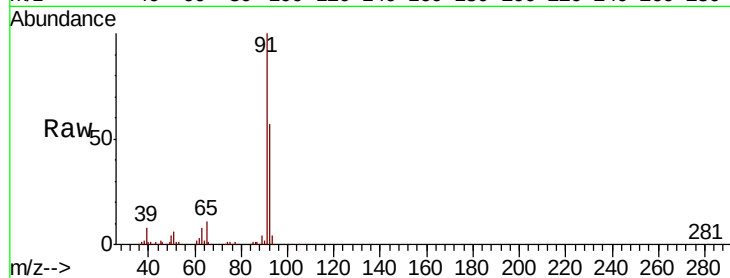
GAQH5

Tot Ion: 91 Resp: 871962

Ion Ratio Lower Upper

91 100

92 57.4 40.5 75.3



Abundance Ion 91.15 (90.85 to 91.85): VU035712.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035712.D (-2057) (-)

8.00

500000

400000

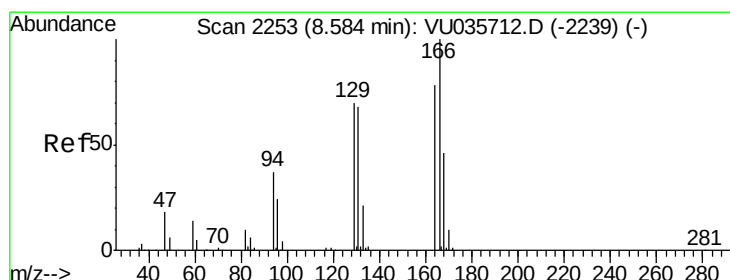
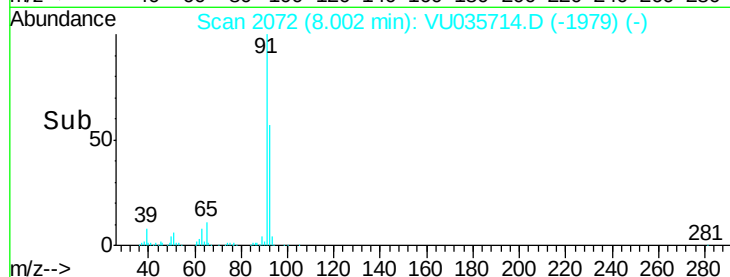
300000

200000

100000

0

Time-->



#47

Tetrachloroethene

Concen: 9.183 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035714.D

Acq: 15 Nov 2019 10:07

Tgt Ion: 164 Resp: 184674

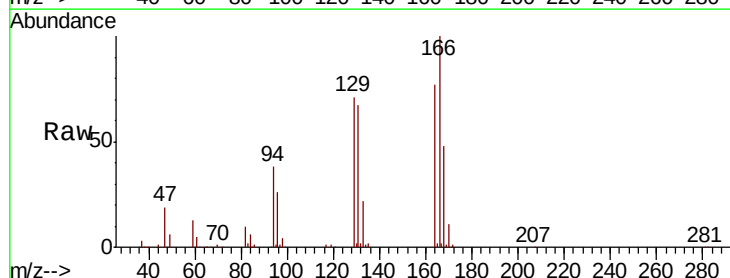
Ion Ratio Lower Upper

164 100

129 91.6 64.7 120.1

131 87.4 61.6 114.4

166 129.8 91.8 170.4



Abundance Ion 163.90 (163.60 to 164.60): VU035712.D (-2239) (-)

Ion 128.95 (128.65 to 129.65): VU035712.D (-2239) (-)

Ion 130.95 (130.65 to 131.65): VU035712.D (-2239) (-)

Ion 165.90 (165.60 to 166.60): VU035712.D (-2239) (-)

200000

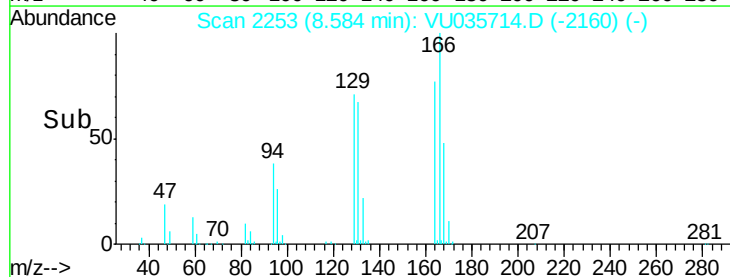
150000

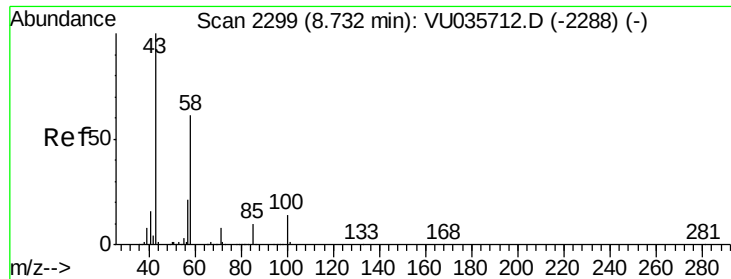
100000

50000

0

Time-->

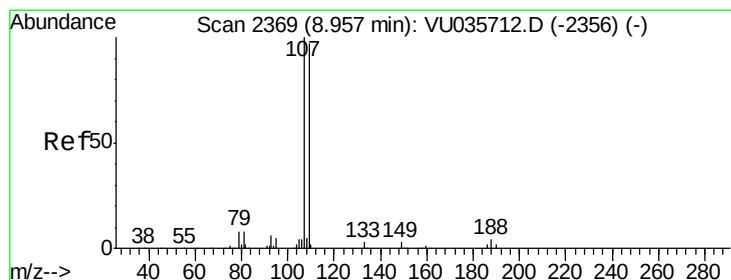
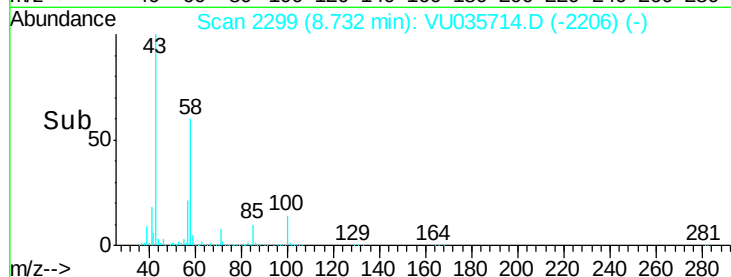
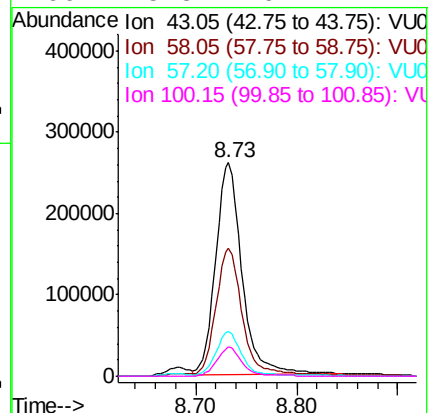
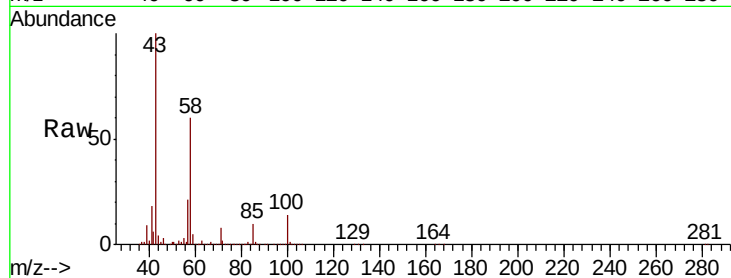




#48  
 2-Hexanone  
 Concen: 48.829 ug/L  
 RT: 8.73 min Scan# 2299  
 Delta R.T. 0.00 min  
 Lab File: VU035714.D  
 Acq: 15 Nov 2019 10:07

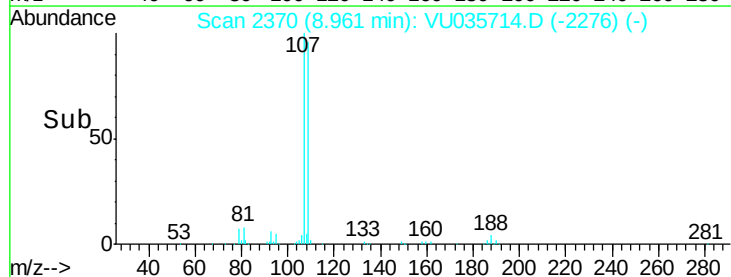
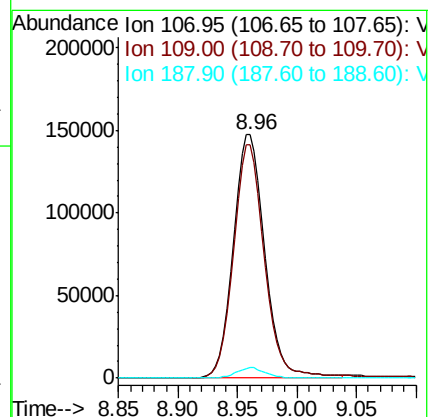
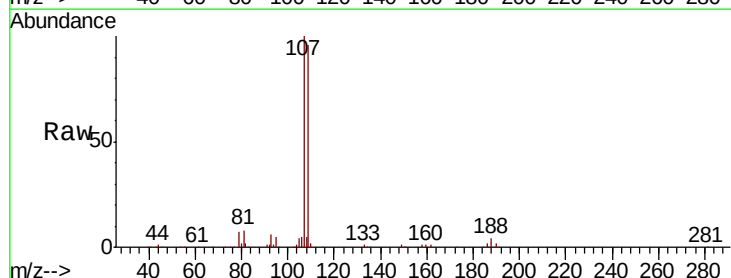
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAQH5

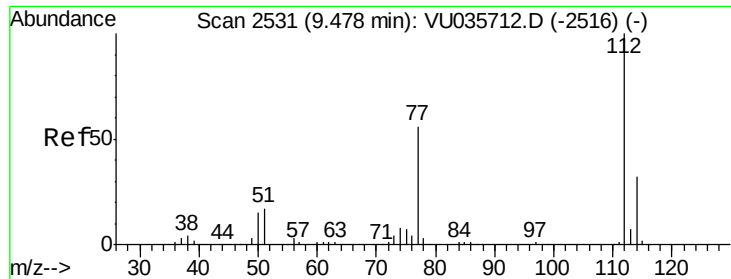
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 474090 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 60.9  | 44.1  | 66.1   |
| 57       | 20.0  | 15.1  | 22.7   |
| 100      | 13.3  | 9.4   | 14.2   |



#50  
 1,2-Dibromoethane  
 Concen: 16.743 ug/L  
 RT: 8.96 min Scan# 2370  
 Delta R.T. 0.00 min  
 Lab File: VU035714.D  
 Acq: 15 Nov 2019 10:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 270281 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 109      | 95.9  | 66.5  | 123.5  |
| 188      | 4.3   | 3.1   | 4.7    |

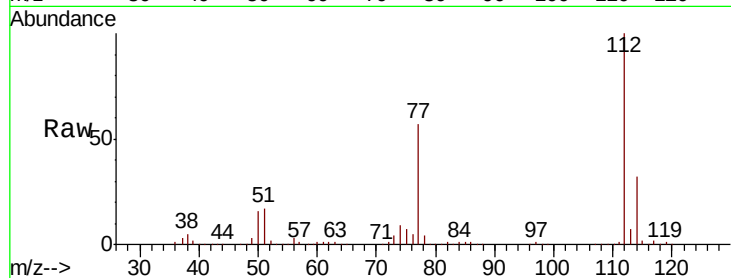




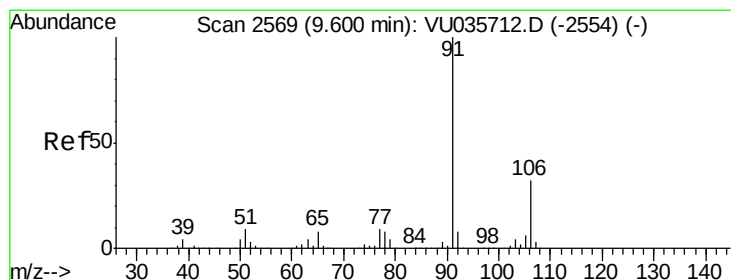
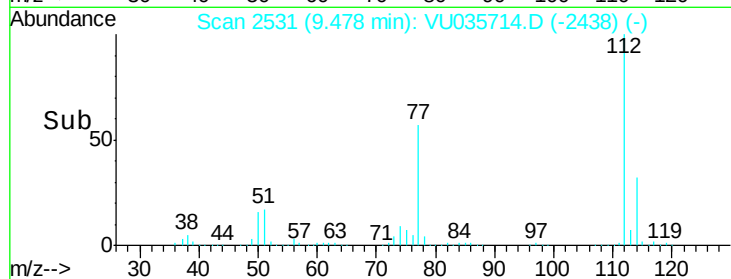
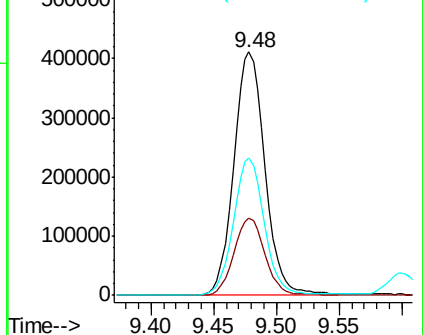
#51  
Chlorobenzene  
Concen: 11.394 ug/L  
RT: 9.48 min Scan# 2531  
Delta R.T. 0.00 min  
Lab File: VU035714.D  
Acq: 15 Nov 2019 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
GAQH5

Tot Ion:112 Resp: 709790  
Ion Ratio Lower Upper  
112 100  
114 31.7 22.3 41.5  
77 56.6 44.3 66.5

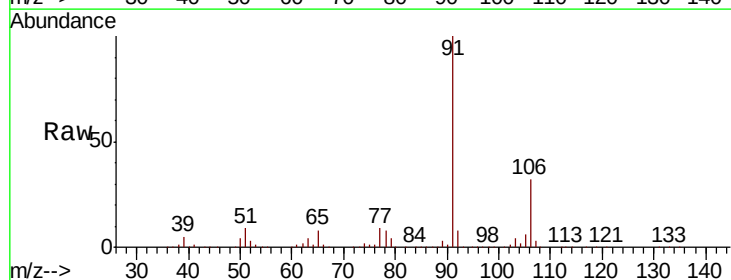


Abundance Ion 112.10 (111.80 to 112.80): V  
Ion 114.05 (113.75 to 114.75): V  
Ion 77.10 (76.80 to 77.80): V

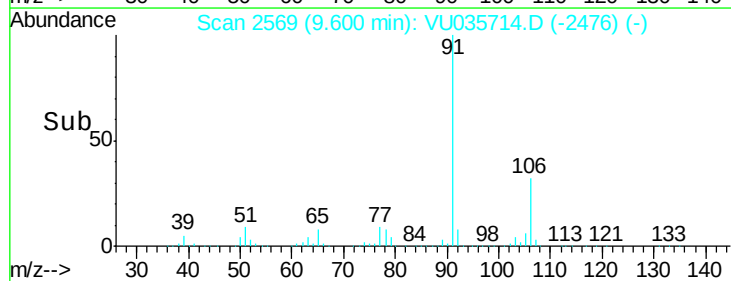
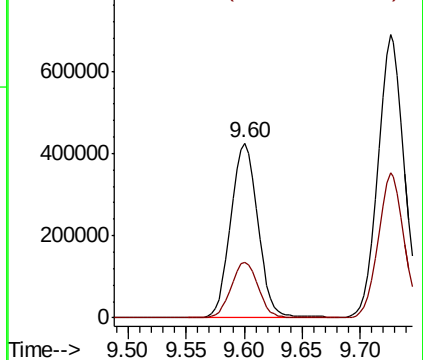


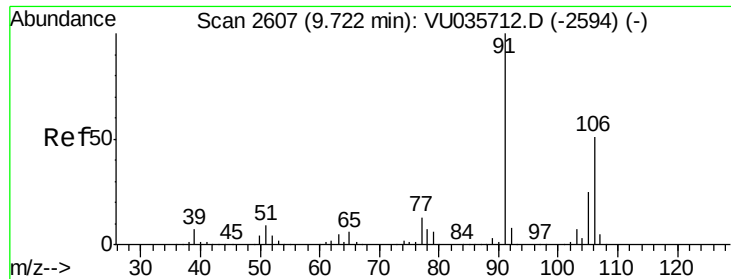
#52  
Ethylbenzene  
Concen: 6.920 ug/L  
RT: 9.60 min Scan# 2569  
Delta R.T. 0.00 min  
Lab File: VU035714.D  
Acq: 15 Nov 2019 10:07

Tgt Ion: 91 Resp: 690920  
Ion Ratio Lower Upper  
91 100  
106 32.1 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): V  
Ion 106.15 (105.85 to 106.85): V

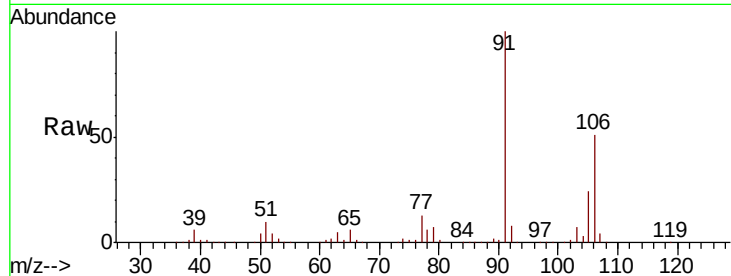




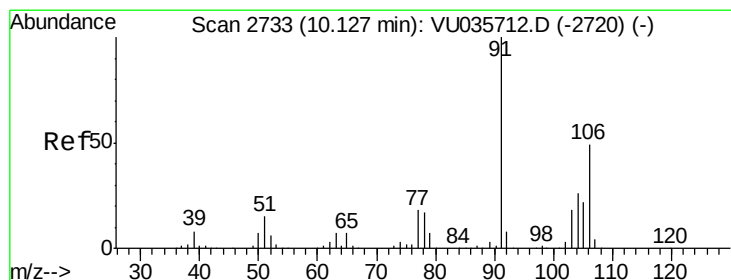
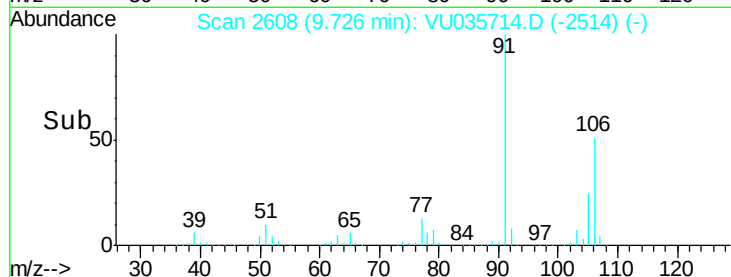
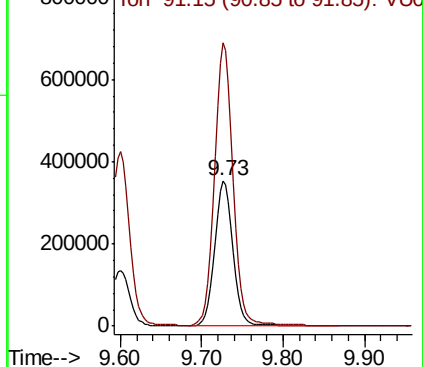
#53  
m,p-Xylene  
Concen: 14.987 ug/L  
RT: 9.73 min Scan# 2608  
Delta R.T. 0.00 min  
Lab File: VU035714.D  
Acq: 15 Nov 2019 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
GAQH5

Tot Ion:106 Resp: 566586  
Ion Ratio Lower Upper  
106 100  
91 194.8 139.4 259.0

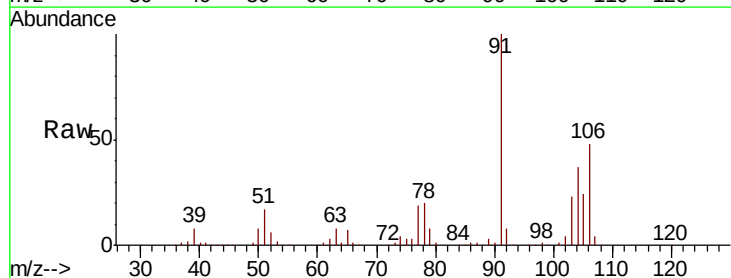


Abundance Ion 106.15 (105.85 to 106.85): V  
Ion 91.15 (90.85 to 91.85): VU0

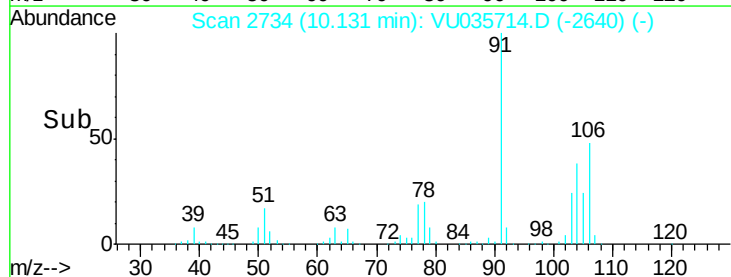
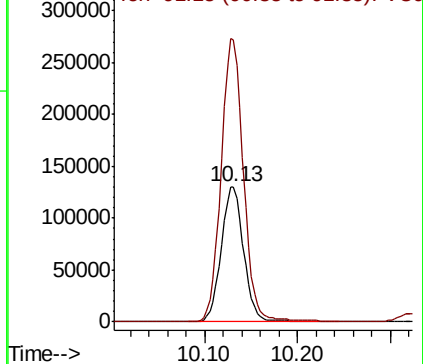


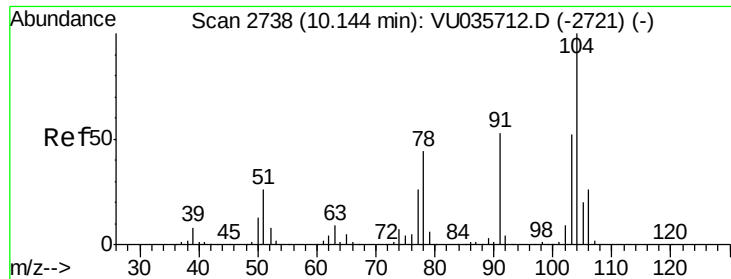
#54  
o-Xylene  
Concen: 5.976 ug/L  
RT: 10.13 min Scan# 2734  
Delta R.T. 0.00 min  
Lab File: VU035714.D  
Acq: 15 Nov 2019 10:07

Tgt Ion:106 Resp: 218332  
Ion Ratio Lower Upper  
106 100  
91 208.7 147.7 274.3



Abundance Ion 106.15 (105.85 to 106.85): V  
Ion 91.15 (90.85 to 91.85): VU0

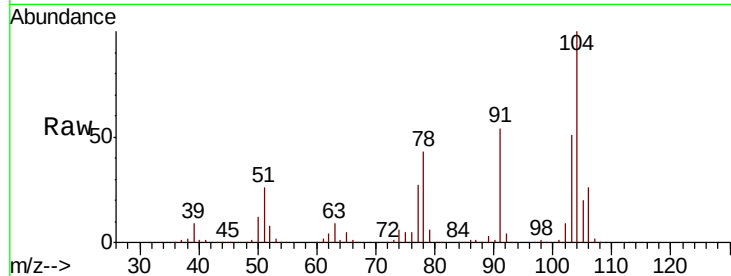




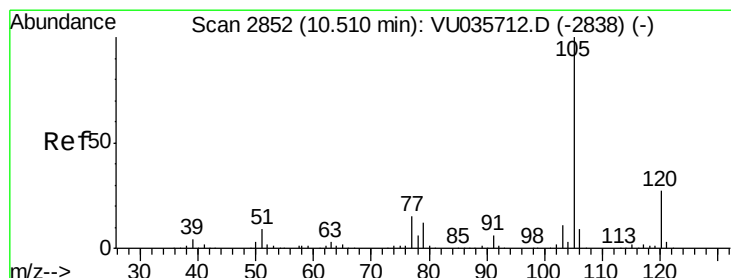
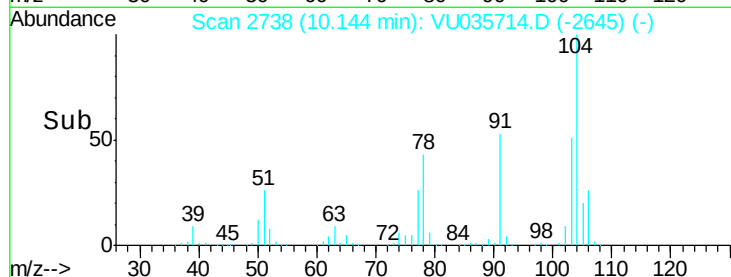
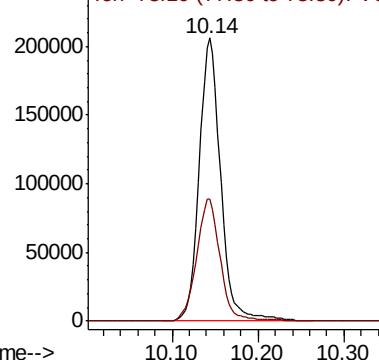
#55  
Stvrene  
Concen: 5.911 ug/L  
RT: 10.14 min Scan# 2738  
Delta R.T. 0.00 min  
Lab File: VU035714.D  
Acq: 15 Nov 2019 10:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
GAQH5

Tot Ion:104 Resp: 357066  
Ion Ratio Lower Upper  
104 100  
78 42.9 30.8 57.2

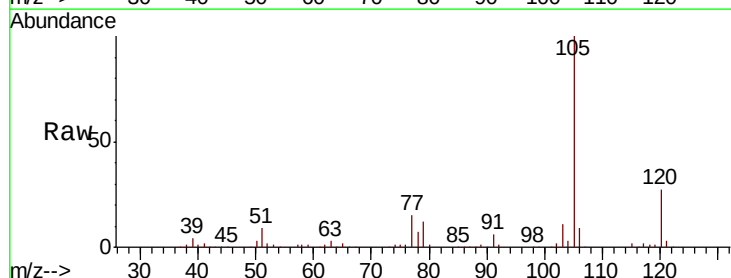


Abundance Ion 104.10 (103.80 to 104.80): V  
Ion 78.10 (77.80 to 78.80): VU0

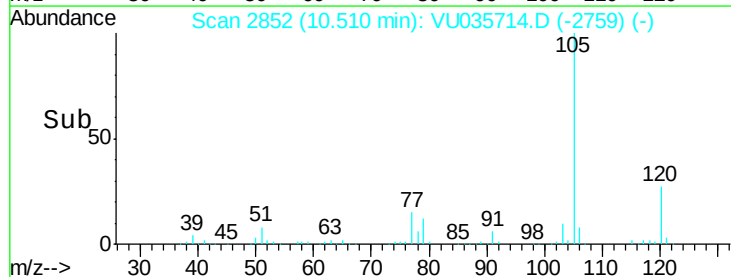
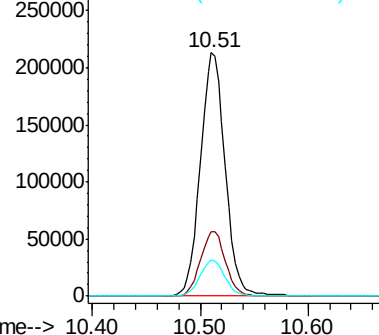


#56  
Isopropylbenzene  
Concen: 3.537 ug/L  
RT: 10.51 min Scan# 2852  
Delta R.T. 0.00 min  
Lab File: VU035714.D  
Acq: 15 Nov 2019 10:07

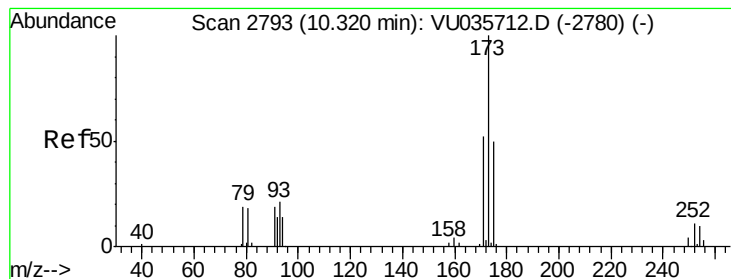
Tgt Ion:105 Resp: 341054  
Ion Ratio Lower Upper  
105 100  
120 27.0 21.4 32.2  
77 15.0 11.8 17.8



Abundance Ion 105.05 (104.75 to 105.75): V  
Ion 120.10 (119.80 to 120.80): V  
Ion 77.10 (76.80 to 77.80): VU0







#61

Bromoform

Concen: 5.734 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU035714.D

Acq: 15 Nov 2019 10:07

Instrument :

MSVOA\_U

ClientSampleId :

GAQH5

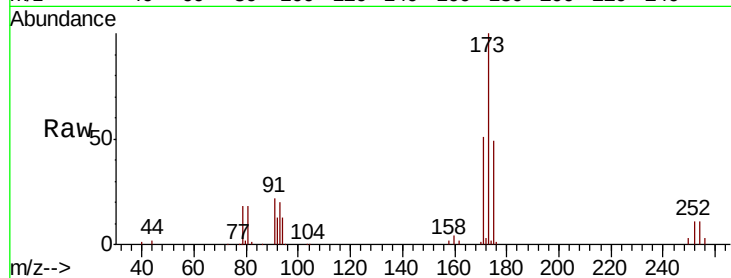
Tot Ion:173 Resp: 70014

Ion Ratio Lower Upper

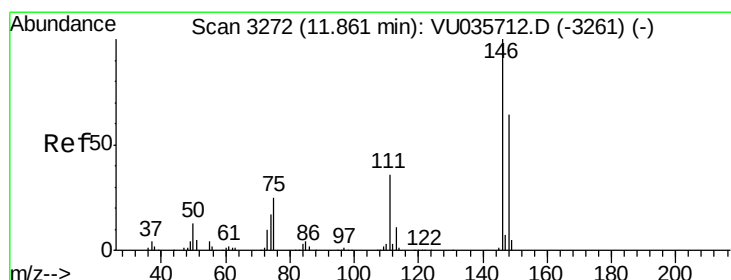
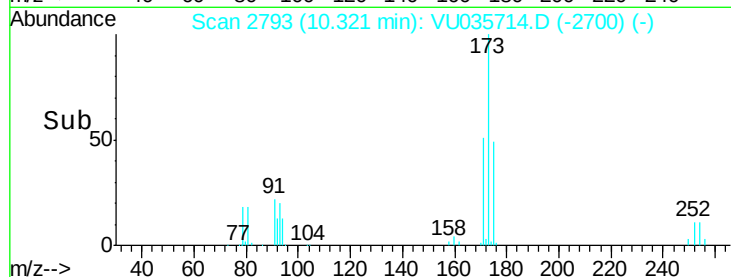
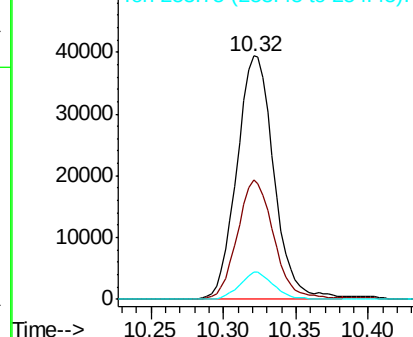
173 100

175 48.4 39.0 58.4

254 10.1 8.5 12.7



Abundance Ion 172.90 (172.60 to 173.60): V  
Ion 174.90 (174.60 to 175.60): V  
Ion 253.75 (253.45 to 254.45): V



#63

1,4-Dichlorobenzene

Concen: 4.604 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU035714.D

Acq: 15 Nov 2019 10:07

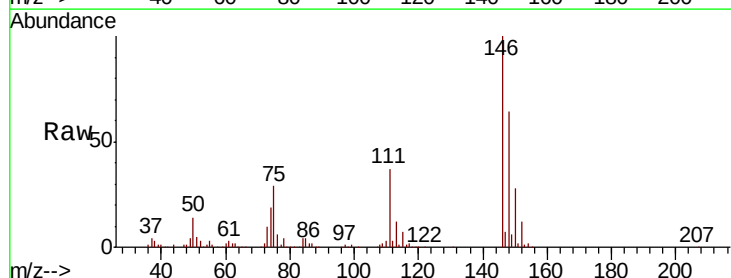
Tgt Ion:146 Resp: 200228

Ion Ratio Lower Upper

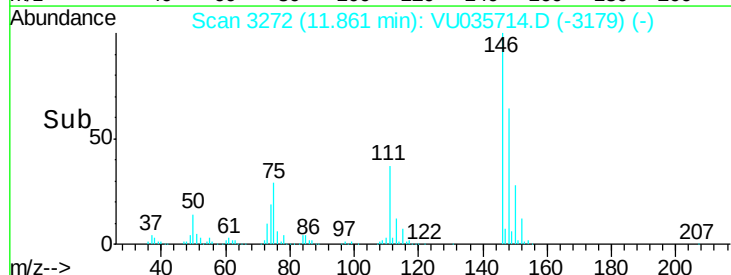
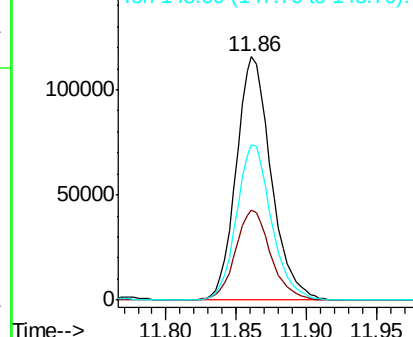
146 100

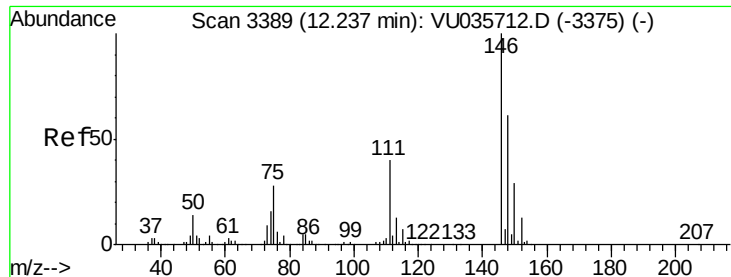
111 36.9 25.9 48.1

148 63.9 44.1 81.9



Abundance Ion 145.95 (145.65 to 146.65): V  
Ion 111.00 (110.70 to 111.70): V  
Ion 148.00 (147.70 to 148.70): V

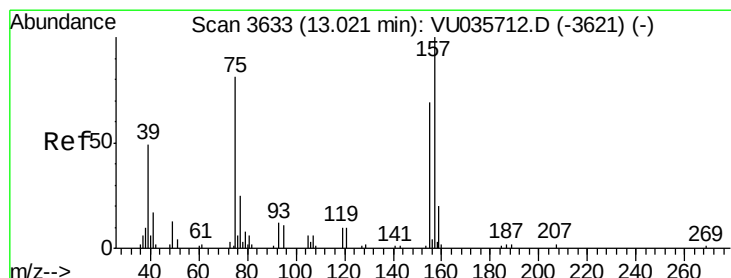
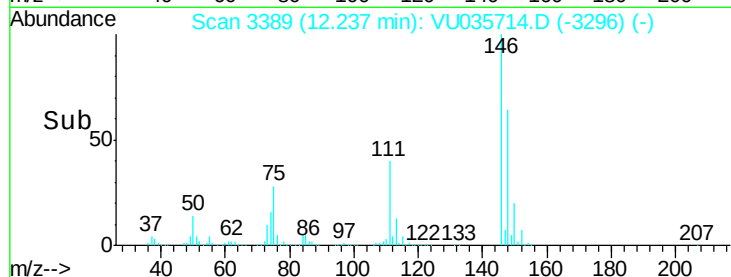
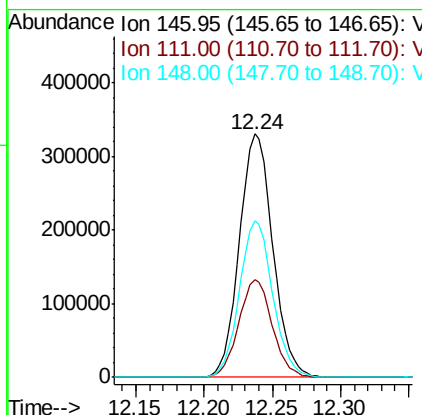
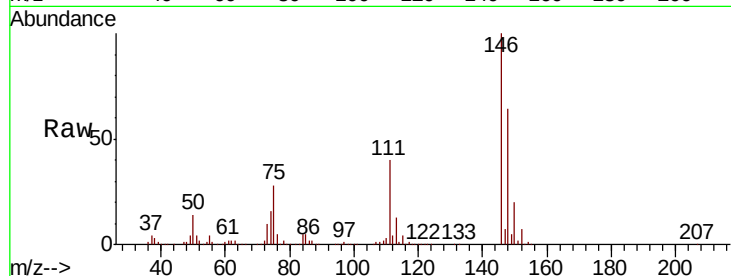




#65  
 1,2-Dichlorobenzene  
 Concen: 13.291 ug/L  
 RT: 12.24 min Scan# 3389  
 Delta R.T. 0.00 min  
 Lab File: VU035714.D  
 Acq: 15 Nov 2019 10:07

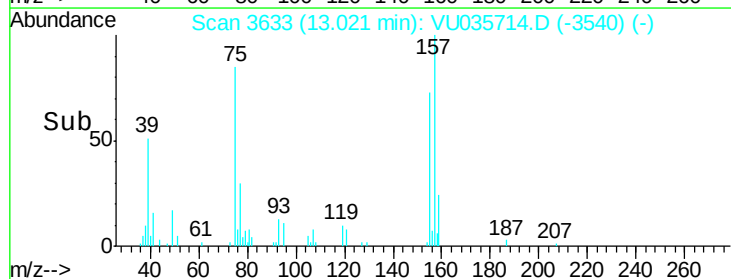
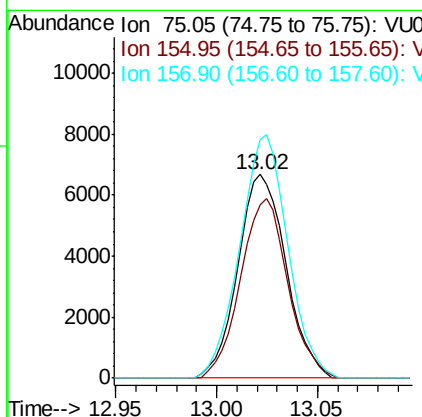
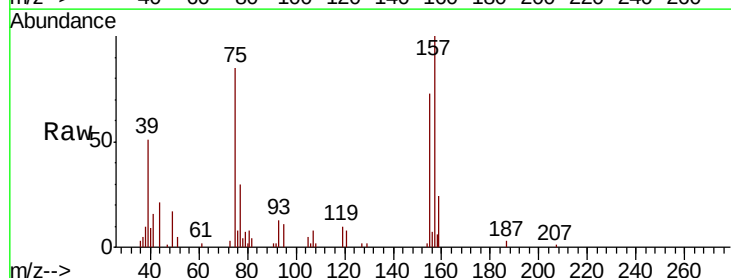
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAQH5

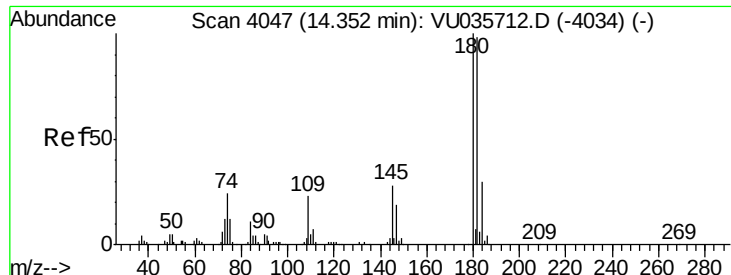
Tot Ion:146 Resp: 563371  
 Ion Ratio Lower Upper  
 146 100  
 111 40.0 32.2 48.4  
 148 64.2 50.7 76.1



#66  
 1,2-Dibromo-3-chloropropane  
 Concen: 4.149 ug/L  
 RT: 13.02 min Scan# 3633  
 Delta R.T. 0.00 min  
 Lab File: VU035714.D  
 Acq: 15 Nov 2019 10:07

Tgt Ion: 75 Resp: 11190  
 Ion Ratio Lower Upper  
 75 100  
 155 85.5 73.3 109.9  
 157 117.3 102.2 153.4

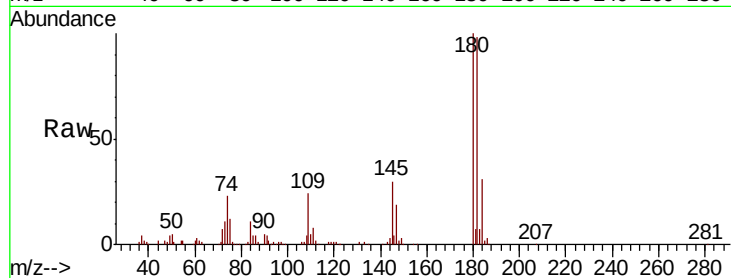




#70  
 1,2,3-Trichlorobenzene  
 Concen: 10.308 ug/L  
 RT: 14.35 min Scan# 4047  
 Delta R.T. 0.00 min  
 Lab File: VU035714.D  
 Acq: 15 Nov 2019 10:07

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAQH5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.3  | 74.8  | 112.2 |
| 145     | 29.4  | 23.6  | 35.4  |



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

