

Data File : VV012410.D  
Acq On : 26 Aug 2019 19:06  
Operator : SY/MD  
Sample : K4501-11MS  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GANM5MS

Quant Time: Aug 27 02:26:05 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR082319WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Aug 27 02:19:39 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 221913   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 216859   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 86542    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 45396    | 4.09     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 81.80% |
| 7) Chloroethane-d5             | 1.58   | 69    | 32519    | 3.97     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 79.40% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 84701    | 4.30     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 86.00% |
| 20) 2-Butanone-d5              | 3.96   | 46    | 146745   | 49.10    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 98.20% |
| 24) Chloroform-d               | 4.40   | 84    | 116125   | 4.55     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.00% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 59987    | 4.87     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.40% |
| 32) Benzene-d6                 | 5.10   | 84    | 231334   | 4.39     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.80% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 73191    | 4.58     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.60% |
| 41) Toluene-d8                 | 7.36   | 98    | 190761   | 4.03     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 80.60% |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 24208    | 3.99     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 79.80% |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 75746    | 40.26    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 80.52% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 43512    | 4.10     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 82.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 67478    | 4.68     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 93.60% |

#### Target Compounds

|                                |      |     |        |              | Qvalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 720    | 0.073 ug/L # | 15     |
| 12) 1,1-Dichloroethene         | 2.14 | 96  | 42913  | 4.821 ug/L   | 99     |
| 13) Acetone                    | 2.22 | 43  | 4339   | 3.355 ug/L   | 81     |
| 14) Carbon disulfide           | 2.31 | 76  | 1750   | 0.063 ug/L # | 64     |
| 25) Chloroform                 | 4.42 | 83  | 2916   | 0.106 ug/L   | 76     |
| 33) Benzene                    | 5.14 | 78  | 294354 | 5.323 ug/L   | 100    |
| 34) Trichloroethene            | 5.96 | 95  | 71889  | 4.817 ug/L   | 97     |
| 35) Methylcyclohexane          | 6.12 | 83  | 18318  | 0.781 ug/L # | 17     |
| 37) 1,2-Dichloropropane        | 6.12 | 63  | 8576   | 0.612 ug/L # | 85     |
| 39) cis-1,3-Dichloropropene    | 7.03 | 75  | 1879   | 0.100 ug/L # | 64     |
| 42) Toluene                    | 7.43 | 91  | 298436 | 5.283 ug/L   | 99     |
| 47) Tetrachloroethene          | 8.02 | 164 | 3406   | 0.283 ug/L   | 92     |
| 48) 2-Hexanone                 | 8.19 | 43  | 18113  | 3.344 ug/L # | 87     |
| 49) Dibromochloromethane       | 8.02 | 129 | 2811   | 0.258 ug/L # | 11     |
| 51) Chlorobenzene              | 8.92 | 112 | 201839 | 5.469 ug/L   | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV082619\  
Quantitation Report (Not Reviewed)

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Instrument :  
MSVOA\_V  
ClientSampleId :  
GANM5MS

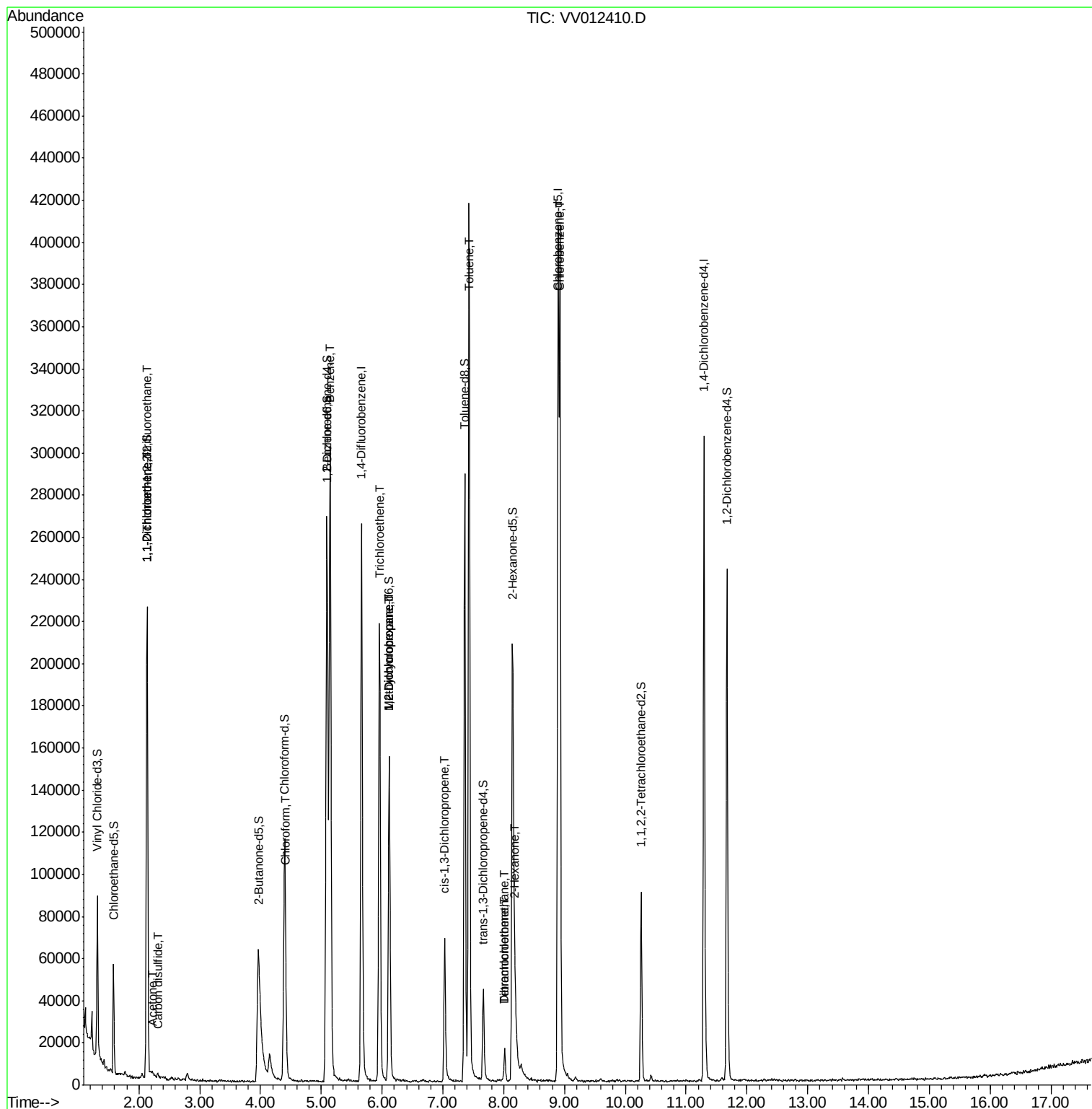
Quant Time: Aug 27 02:26:05 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR082319WMA.M  
Quant Title : TRACE VOA SOM01.0  
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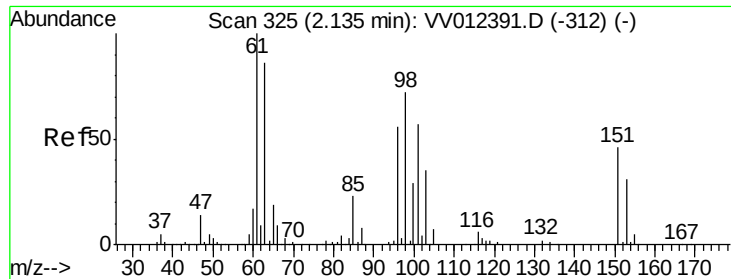
| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Aug 27 02:19:39 2019  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.073 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012410.D

Acq: 26 Aug 2019 19:06

Instrument :

MSVOA\_V

ClientSampleId :

GANM5MS

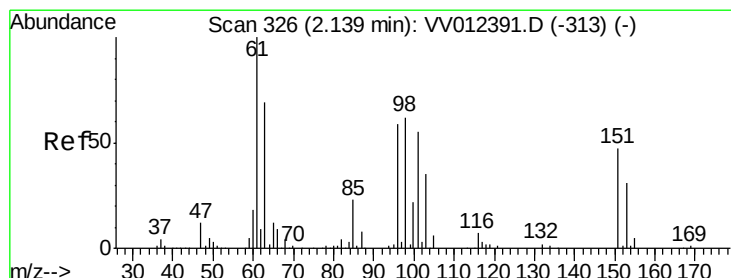
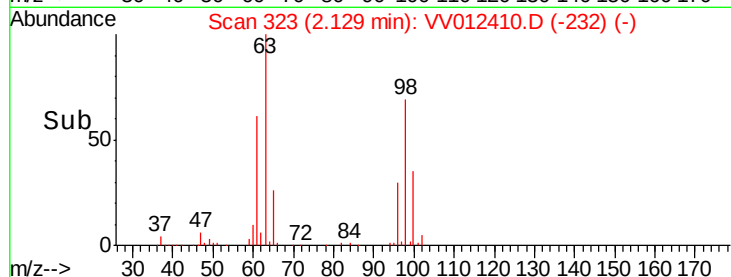
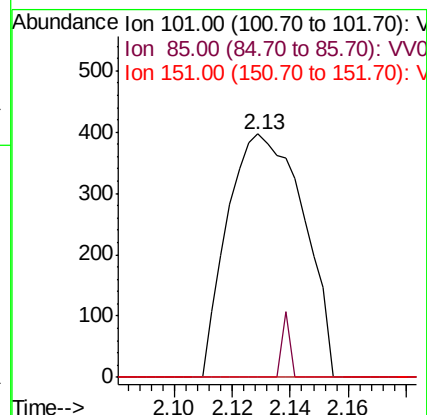
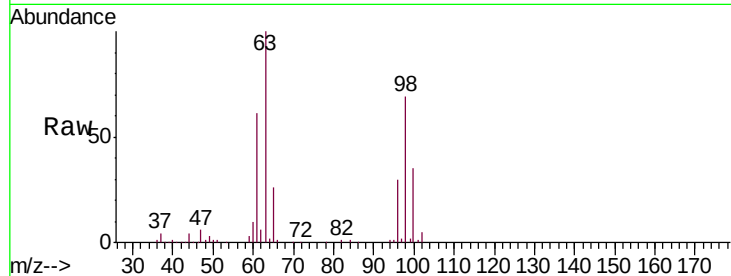
Tgt Ion: 101 Resp: 720

Ion Ratio Lower Upper

101 100

85 2.9 34.6 51.8#

151 0.0 71.2 106.8#



#12

1,1-Dichloroethene

Concen: 4.821 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012410.D

Acq: 26 Aug 2019 19:06

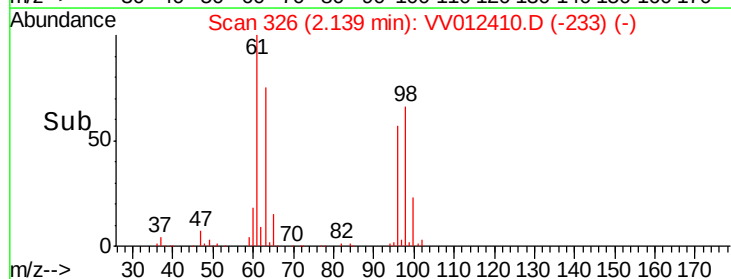
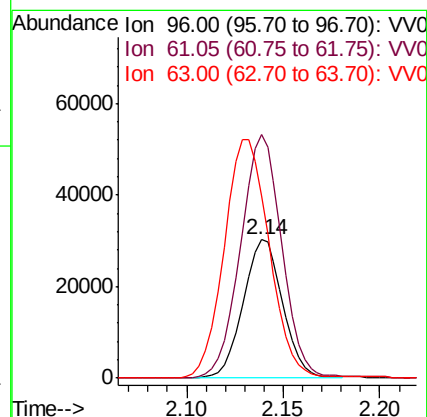
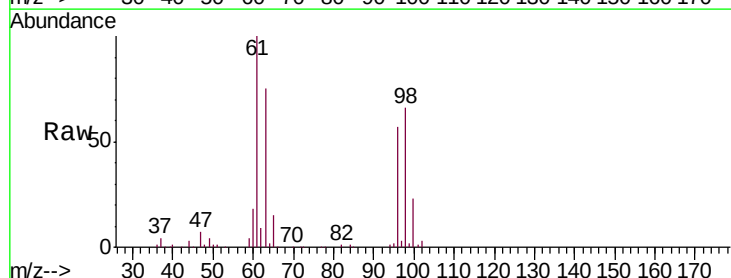
Tgt Ion: 96 Resp: 42913

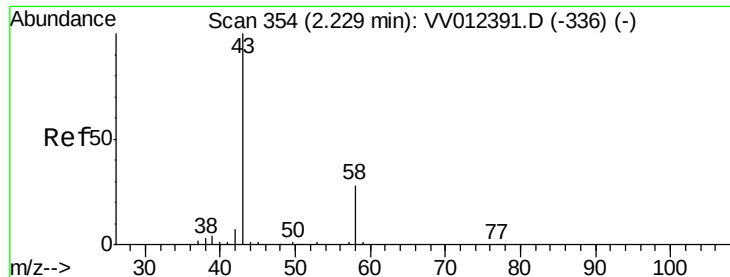
Ion Ratio Lower Upper

96 100

61 176.1 122.3 227.1

63 131.6 90.6 168.2





#13

Acetone

Concen: 3.355 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.01 min

Lab File: VV012410.D

Acq: 26 Aug 2019 19:06

Instrument :

MSVOA\_V

ClientSampled :

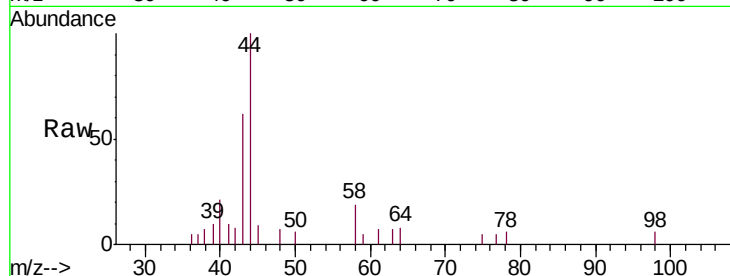
GANM5MS

Tgt Ion: 43 Resp: 4339

Ion Ratio Lower Upper

43 100

58 20.7 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV012391.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV012391.D (-336) (-)

1500

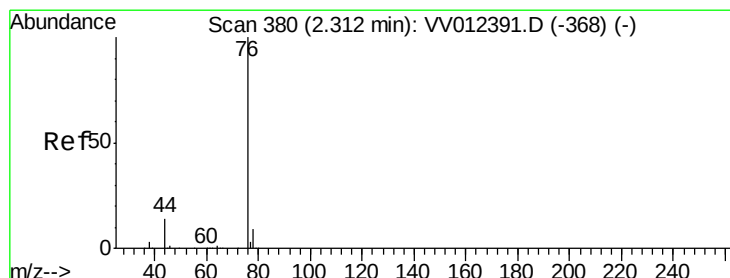
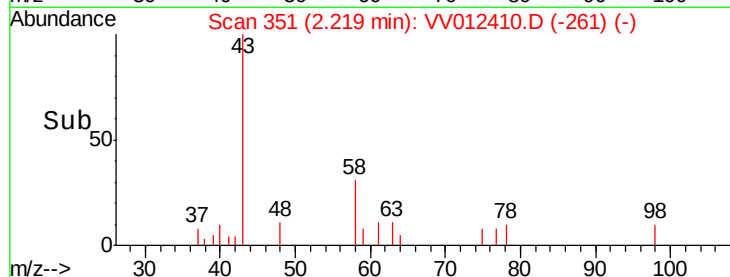
1000

500

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 0.063 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012410.D

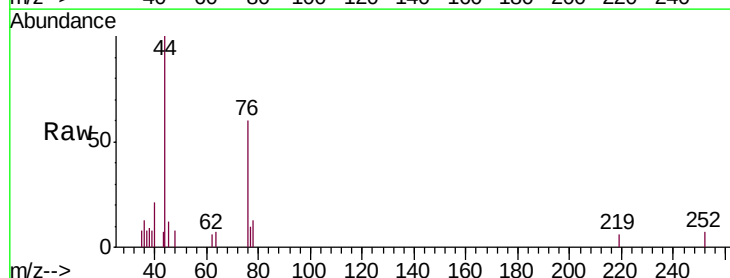
Acq: 26 Aug 2019 19:06

Tgt Ion: 76 Resp: 1750

Ion Ratio Lower Upper

76 100

78 22.3 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VV012391.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV012391.D (-368) (-)

1200

1000

800

600

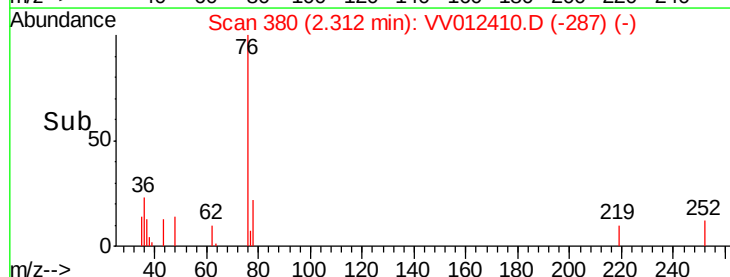
400

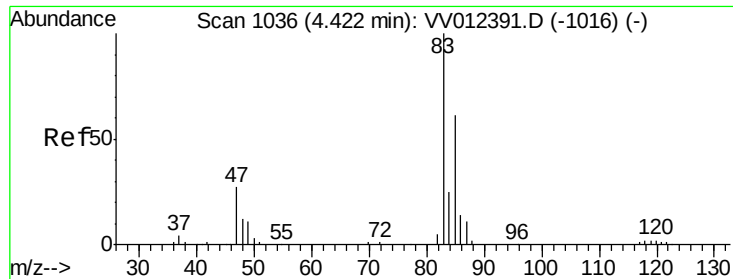
200

0

2.30 2.35

Time-->

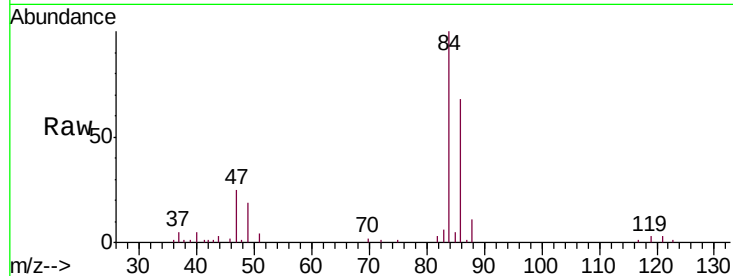




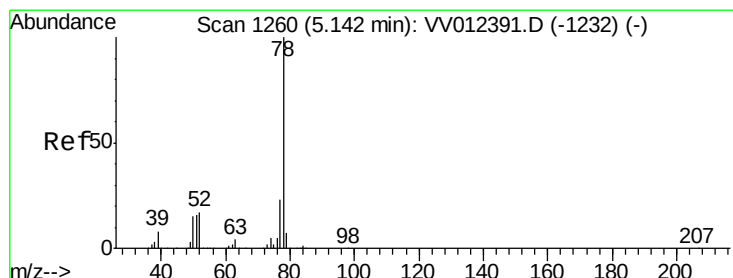
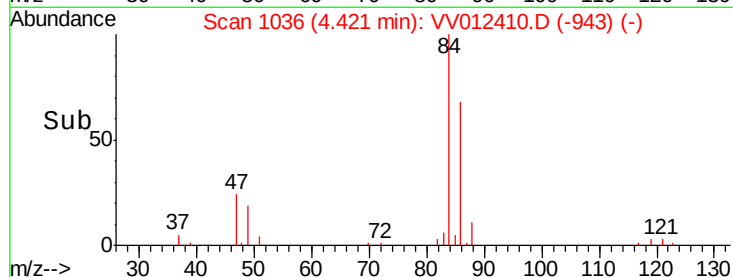
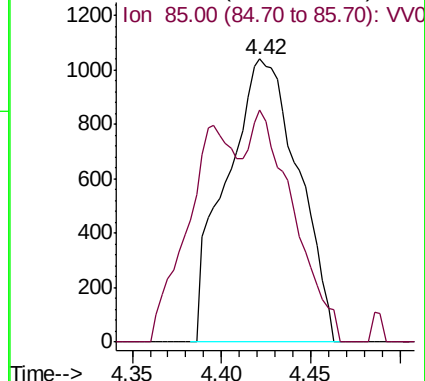
#25  
Chloroform  
Concen: 0.106 ug/L  
RT: 4.42 min Scan# 1036  
Delta R.T. -0.00 min  
Lab File: VV012410.D  
Acq: 26 Aug 2019 19:06

Instrument :  
MSVOA\_V  
ClientSampleId :  
GANM5MS

Tgt Ion: 83 Resp: 2916  
Ion Ratio Lower Upper  
83 100  
85 82.1 44.6 82.8

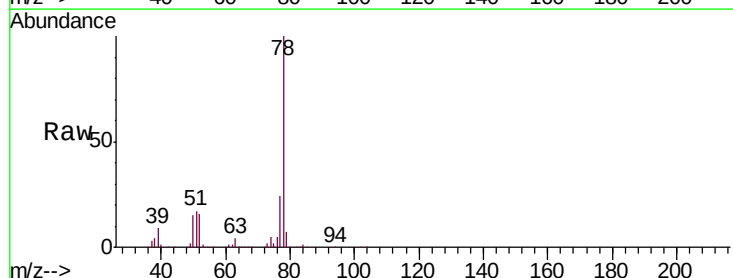


Abundance Ion 83.05 (82.75 to 83.75): VV0  
Ion 85.00 (84.70 to 85.70): VV0

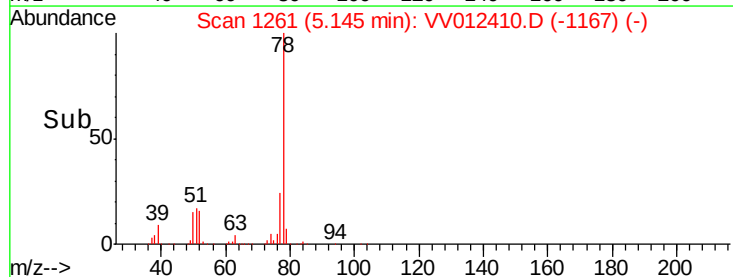
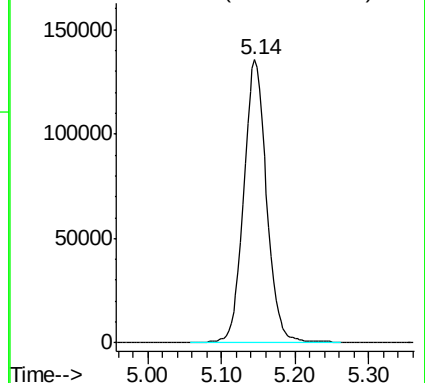


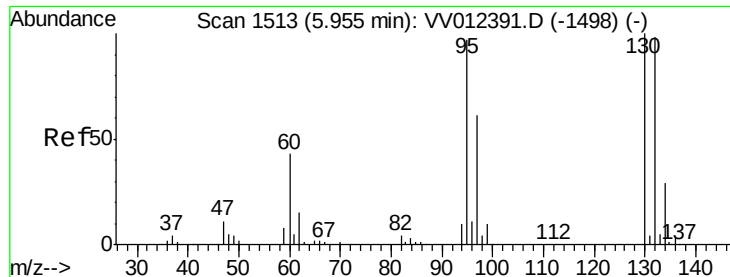
#33  
Benzene  
Concen: 5.323 ug/L  
RT: 5.14 min Scan# 1261  
Delta R.T. 0.00 min  
Lab File: VV012410.D  
Acq: 26 Aug 2019 19:06

Tgt Ion: 78 Resp: 294354



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.817 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012410.D

Acq: 26 Aug 2019 19:06

Instrument :

MSVOA\_V

ClientSampleId :

GANM5MS

Tgt Ion: 95 Resp: 71889

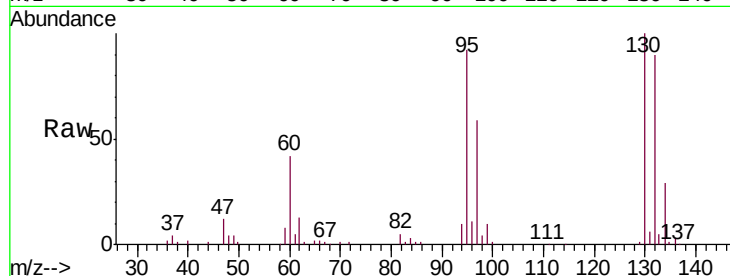
Ion Ratio Lower Upper

95 100

97 64.9 46.3 86.1

132 98.5 70.3 130.7

130 109.2 72.4 134.5

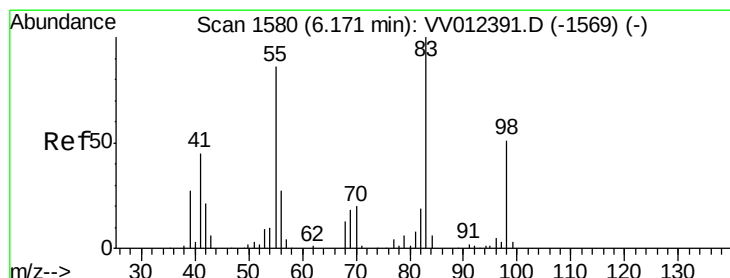
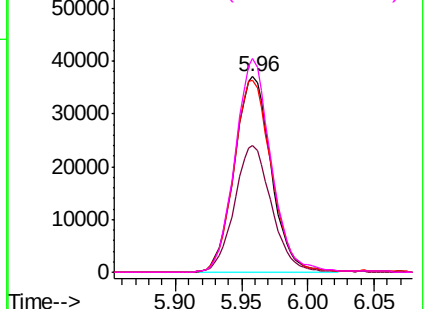
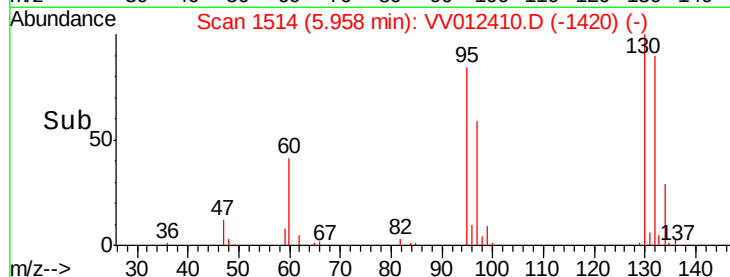


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.781 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV012410.D

Acq: 26 Aug 2019 19:06

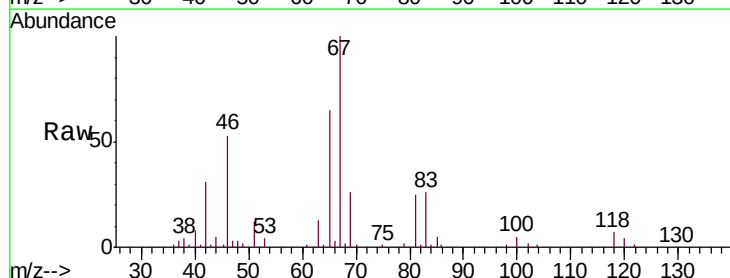
Tgt Ion: 83 Resp: 18318

Ion Ratio Lower Upper

83 100

55 0.3 64.6 97.0#

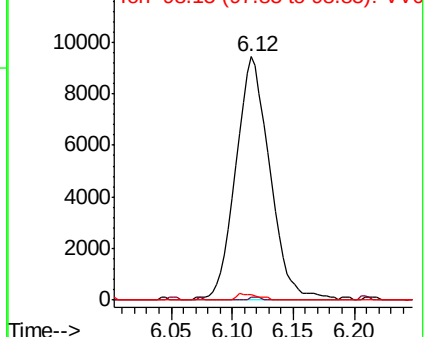
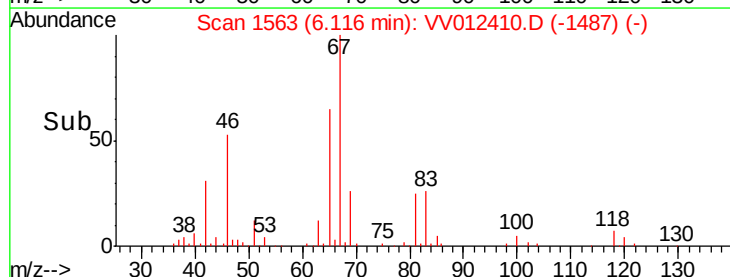
98 1.6 39.0 58.4#

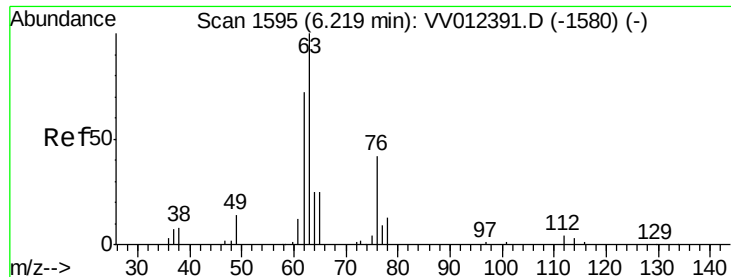


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

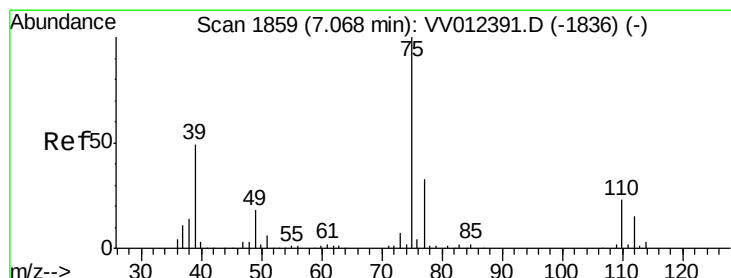
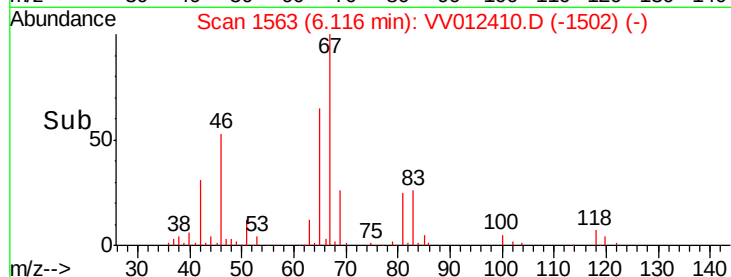
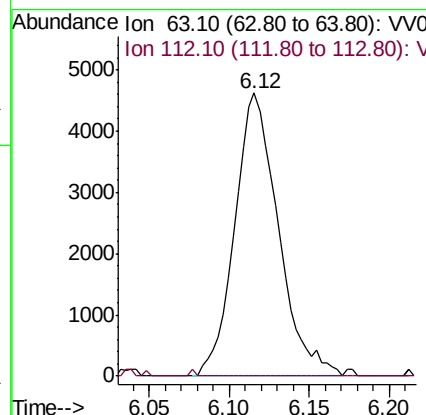
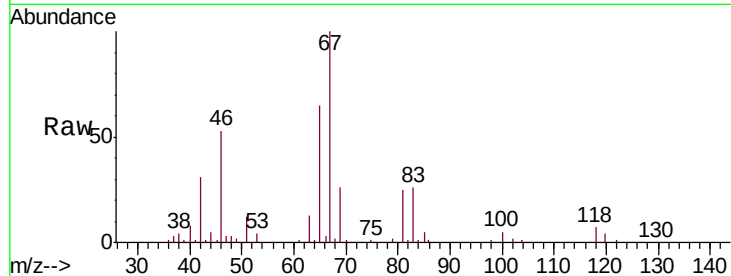




#37  
 1,2-Dichloropropane  
 Concen: 0.612 ug/L  
 RT: 6.12 min Scan# 1563  
 Delta R.T. -0.10 min  
 Lab File: VV012410.D  
 Acq: 26 Aug 2019 19:06

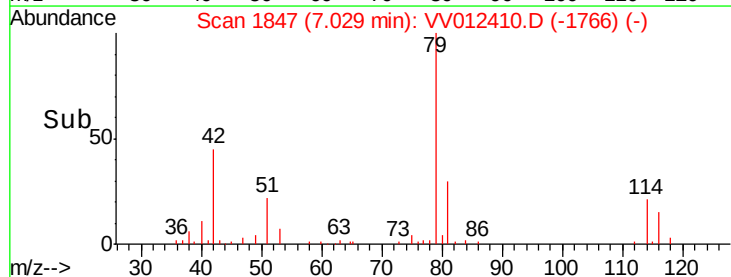
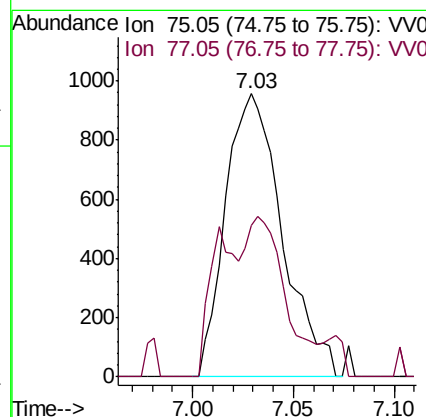
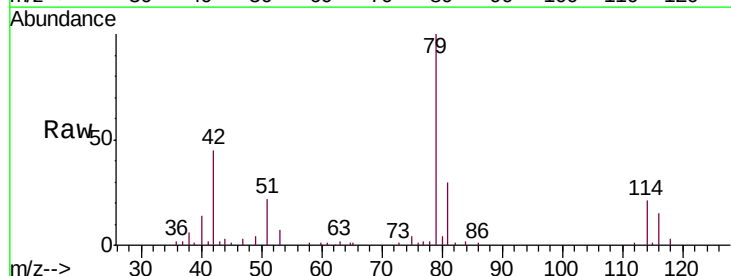
Instrument :  
 MSVOA\_V  
 ClientSampleID :  
 GANM5MS

Tgt Ion: 63 Resp: 8576  
 Ion Ratio Lower Upper  
 63 100  
 112 0.2 4.2 6.2#

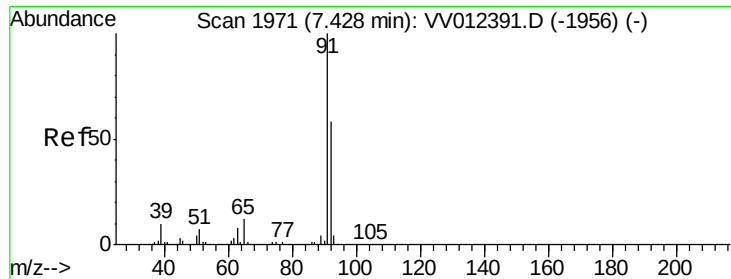


#39  
 cis-1,3-Dichloropropene  
 Concen: 0.100 ug/L  
 RT: 7.03 min Scan# 1847  
 Delta R.T. -0.04 min  
 Lab File: VV012410.D  
 Acq: 26 Aug 2019 19:06

Tgt Ion: 75 Resp: 1879  
 Ion Ratio Lower Upper  
 75 100  
 77 53.5 23.2 43.2#







#42

Toluene

Concen: 5.283 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012410.D

Acq: 26 Aug 2019 19:06

Instrument :

MSVOA\_V

ClientSampleId :

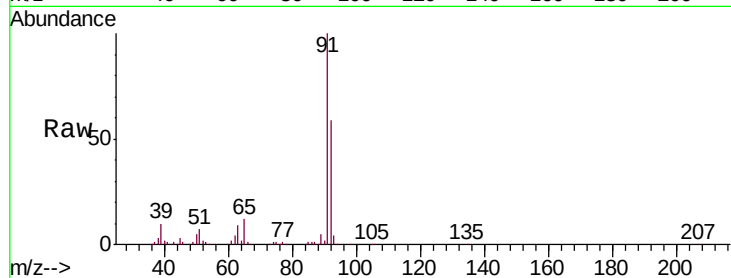
GANM5MS

Tgt Ion: 91 Resp: 298436

Ion Ratio Lower Upper

91 100

92 59.0 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VV012391.D (-1956) (-)

Ion 92.15 (91.85 to 92.85): VV012391.D (-1956) (-)

7.43

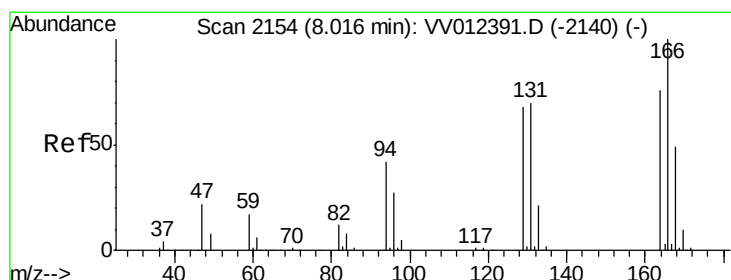
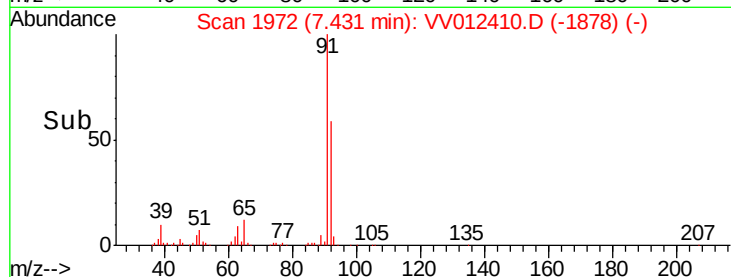
150000

100000

50000

0

Time-->



#47

Tetrachloroethene

Concen: 0.283 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012410.D

Acq: 26 Aug 2019 19:06

Tgt Ion: 164 Resp: 3406

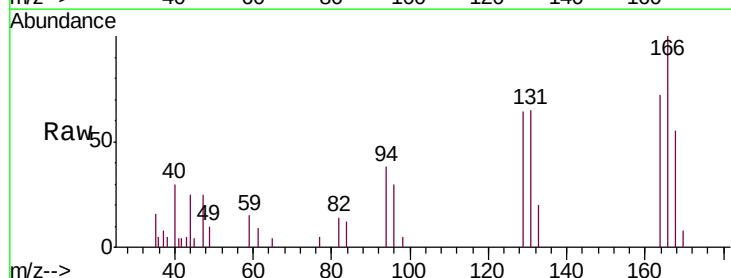
Ion Ratio Lower Upper

164 100

129 88.4 60.6 112.6

131 90.9 58.8 109.2

166 139.1 87.6 162.8



Abundance Ion 163.90 (163.60 to 164.60): VV012391.D (-2140) (-)

Ion 128.95 (128.65 to 129.65): VV012391.D (-2140) (-)

Ion 130.95 (130.65 to 131.65): VV012391.D (-2140) (-)

Ion 165.90 (165.60 to 166.60): VV012391.D (-2140) (-)

4000

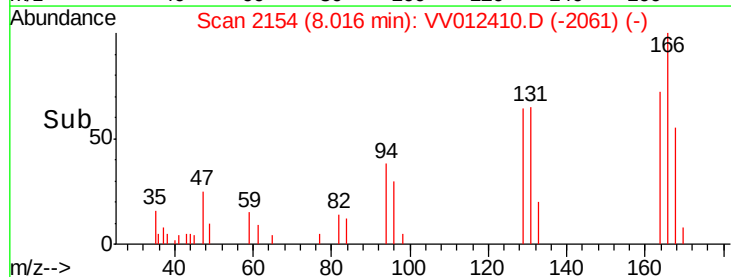
3000

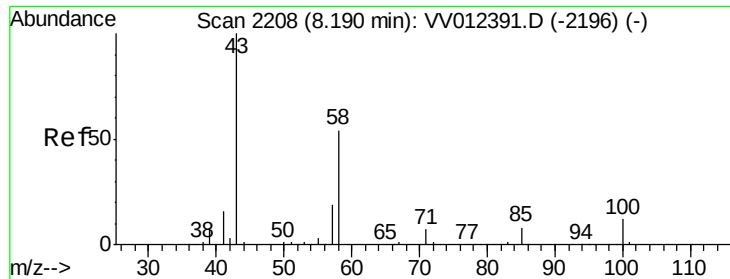
2000

1000

0

Time-->

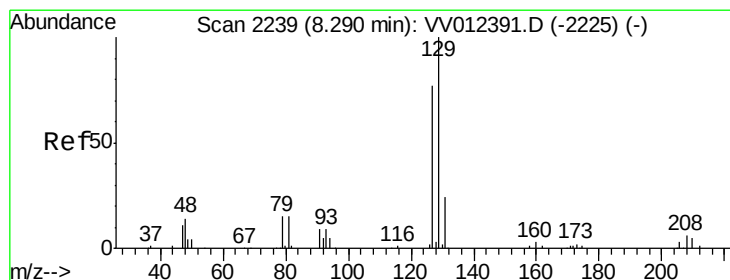
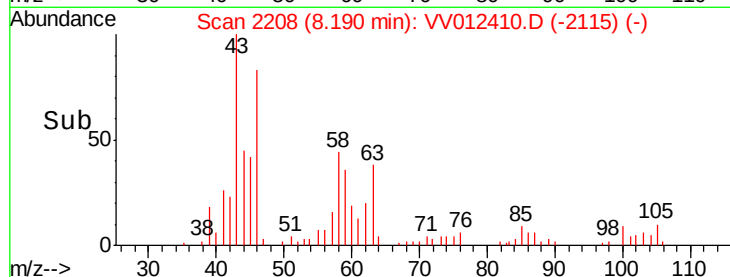
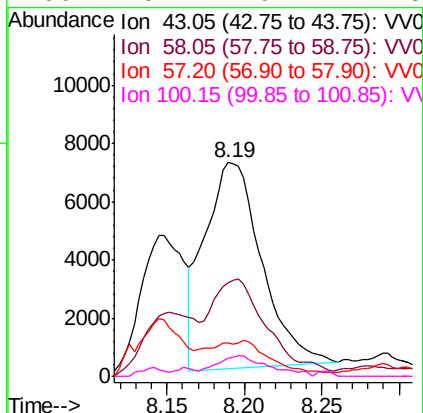
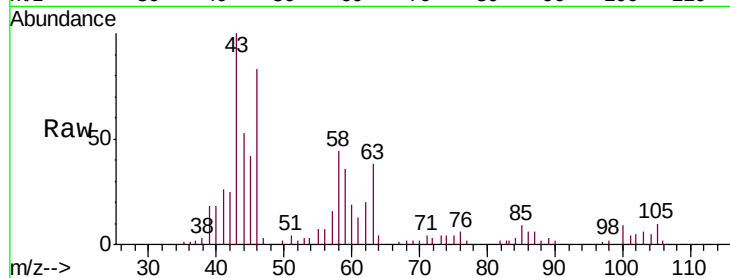




#48  
2-Hexanone  
Concen: 3.344 ug/L  
RT: 8.19 min Scan# 2208  
Delta R.T. -0.00 min  
Lab File: VV012410.D  
Acq: 26 Aug 2019 19:06

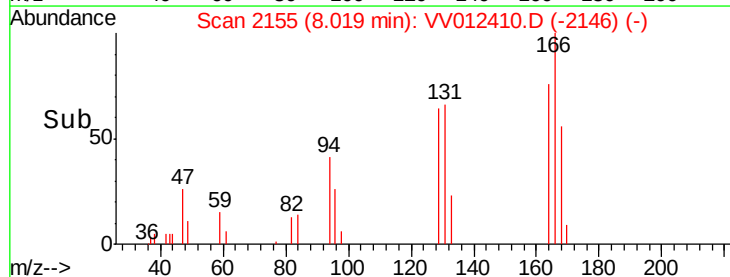
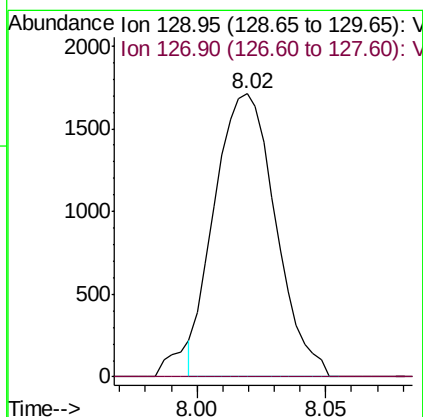
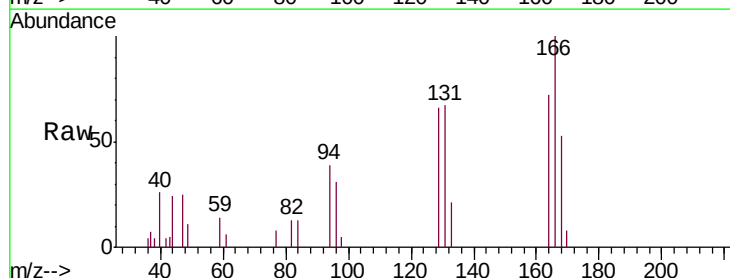
Instrument :  
MSVOA\_V  
ClientSampleId :  
GANM5MS

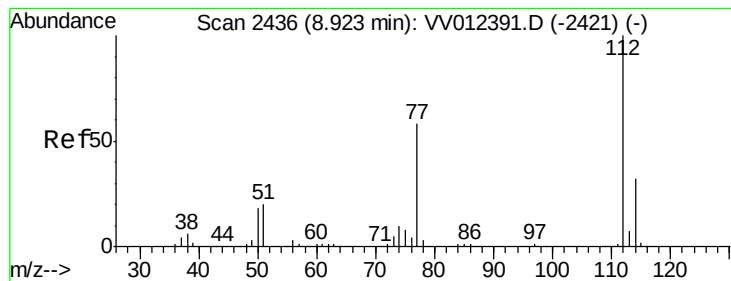
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 18113 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 46.2  | 46.3  | 69.5# |
| 57       | 15.8  | 14.9  | 22.3  |
| 100      | 9.1   | 9.7   | 14.5# |



#49  
Dibromochloromethane  
Concen: 0.258 ug/L  
RT: 8.02 min Scan# 2155  
Delta R.T. -0.27 min  
Lab File: VV012410.D  
Acq: 26 Aug 2019 19:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 2811  |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 0.0   | 53.8  | 99.8# |





#51

Chlorobenzene

Concen: 5.469 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV012410.D

Acq: 26 Aug 2019 19:06

Instrument :

MSVOA\_V

ClientSampleId :

GANM5MS

Tgt Ion:112 Resp: 201839

Ion Ratio Lower Upper

112 100

114 33.4 23.0 42.6

77 58.9 46.4 69.6

