

Data File : VV012225.D  
Acq On : 13 Aug 2019 20:03  
Operator : SY/MD  
Sample : K4337-02  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AC8

Quant Time: Aug 14 02:53:54 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR081319WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Aug 14 02:48:55 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 194611   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 190895   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 77597    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 59071    | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 98.60%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 48464    | 5.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 105.80% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 75663    | 3.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 77.00%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 43397    | 16.76    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 33.52%# |
| 24) Chloroform-d               | 4.40   | 84    | 106421   | 4.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 59456    | 5.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 105.80% |
| 32) Benzene-d6                 | 5.10   | 84    | 238581   | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 70761    | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.40%  |
| 41) Toluene-d8                 | 7.36   | 98    | 203248   | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.20%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 24065    | 4.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.40%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 71609    | 40.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 81.94%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 50408    | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 101.60% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 72722    | 5.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 110.80% |

#### Target Compounds

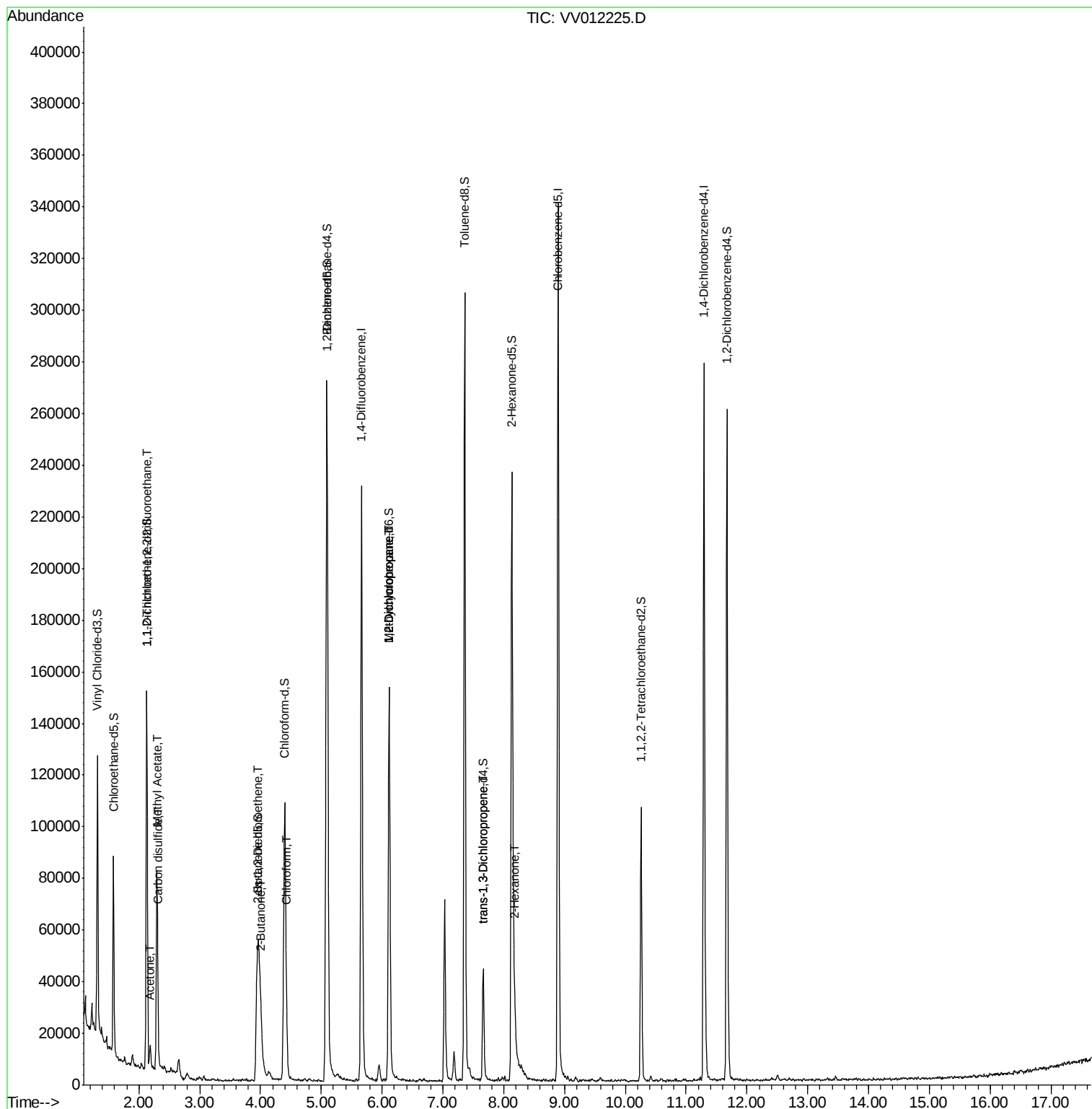
|                                |      |     |       |       | Qvalue |     |
|--------------------------------|------|-----|-------|-------|--------|-----|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 984   | 0.089 | ug/L # | 21  |
| 13) Acetone                    | 2.19 | 43  | 6597  | 4.088 | ug/L   | 86  |
| 14) Carbon disulfide           | 2.32 | 76  | 2249  | 0.075 | ug/L # | 68  |
| 15) Methyl Acetate             | 2.30 | 43  | 17246 | 4.233 | ug/L # | 50  |
| 21) 2-Butanone                 | 4.01 | 43  | 32328 | 9.797 | ug/L # | 67  |
| 22) cis-1,2-Dichloroethene     | 3.96 | 96  | 2094  | 0.139 | ug/L   | 96  |
| 25) Chloroform                 | 4.43 | 83  | 12869 | 0.453 | ug/L   | 100 |
| 35) Methylcyclohexane          | 6.12 | 83  | 17521 | 0.723 | ug/L # | 20  |
| 37) 1,2-Dichloropropane        | 6.12 | 63  | 8341  | 0.581 | ug/L # | 87  |
| 44) trans-1,3-Dichloropropene  | 7.66 | 75  | 1211  | 0.078 | ug/L # | 72  |
| 48) 2-Hexanone                 | 8.18 | 43  | 10666 | 1.916 | ug/L # | 78  |

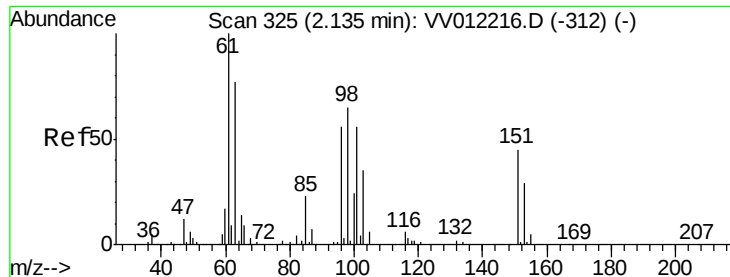
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.089 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012225.D

Acq: 13 Aug 2019 20:03

Instrument :

MSVOA\_V

ClientSampleId :

C0AC8

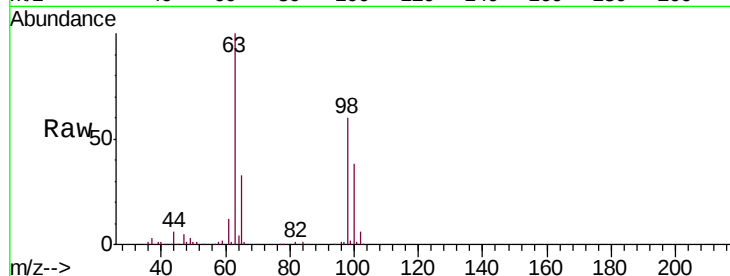
Tgt Ion:101 Resp: 984

Ion Ratio Lower Upper

101 100

85 2.0 33.7 50.5#

151 4.6 66.3 99.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

2.13

600

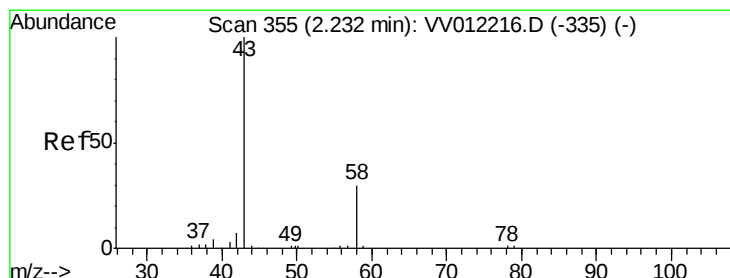
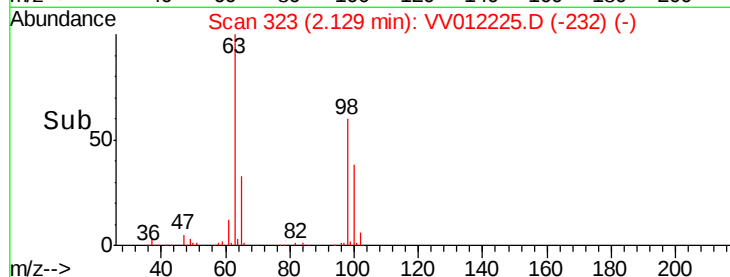
400

200

0

2.10 2.12 2.14 2.16

Time-->



#13

Acetone

Concen: 4.088 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.05 min

Lab File: VV012225.D

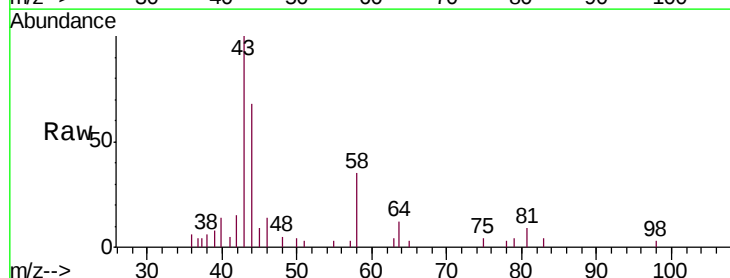
Acq: 13 Aug 2019 20:03

Tgt Ion: 43 Resp: 6597

Ion Ratio Lower Upper

43 100

58 37.4 0.0 59.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

5000

4000

3000

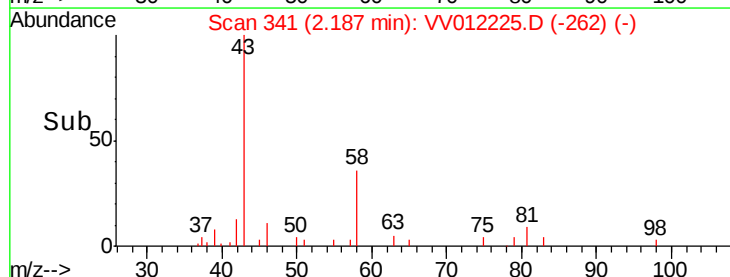
2000

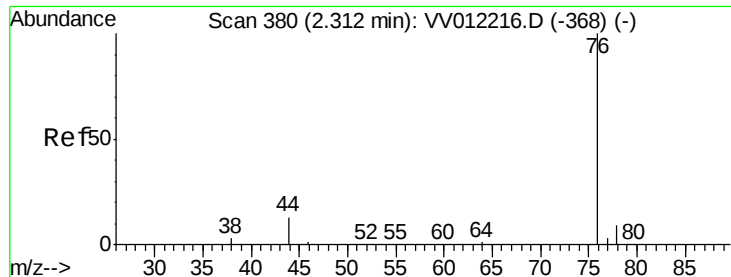
1000

0

2.15 2.20

Time-->





#14

Carbon disulfide

Concen: 0.075 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV012225.D

Acq: 13 Aug 2019 20:03

Instrument :

MSVOA\_V

ClientSampleId :

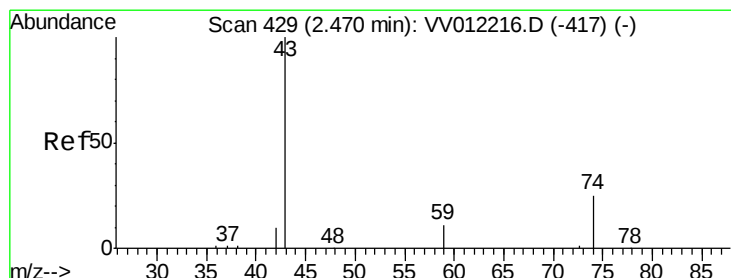
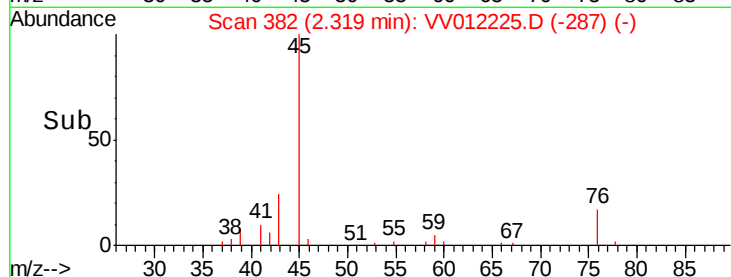
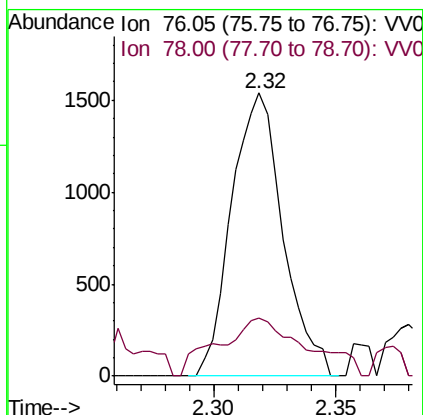
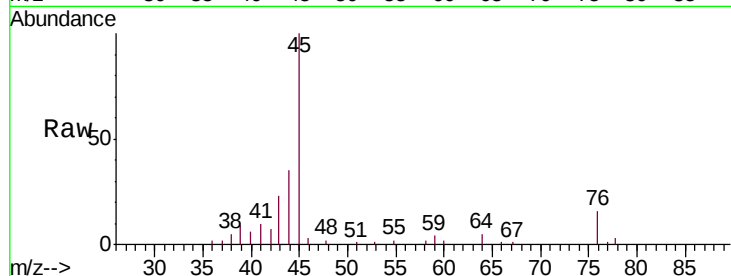
C0AC8

Tgt Ion: 76 Resp: 2249

Ion Ratio Lower Upper

76 100

78 20.7 7.2 10.8#



#15

Methyl Acetate

Concen: 4.233 ug/L

RT: 2.30 min Scan# 376

Delta R.T. -0.17 min

Lab File: VV012225.D

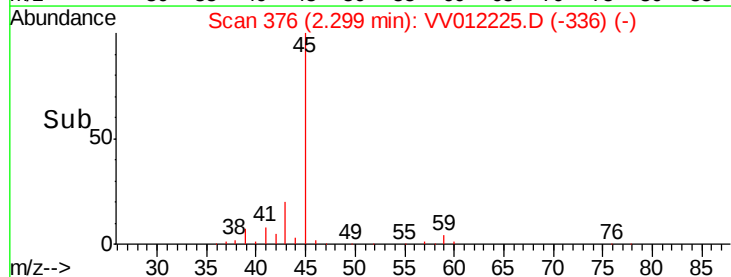
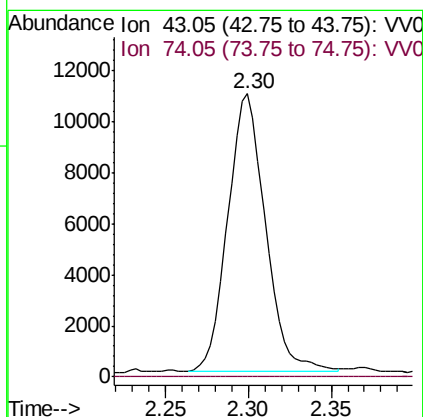
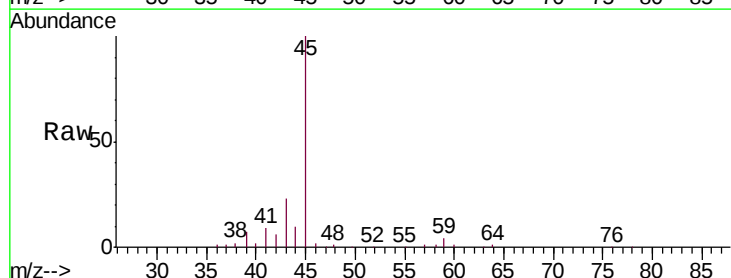
Acq: 13 Aug 2019 20:03

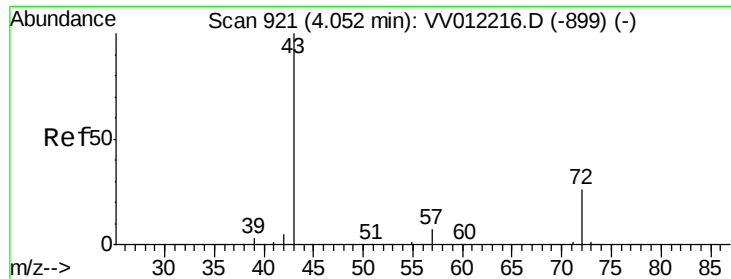
Tgt Ion: 43 Resp: 17246

Ion Ratio Lower Upper

43 100

74 0.0 20.3 30.5#





#21

2-Butanone

Concen: 9.797 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.04 min

Lab File: VV012225.D

Acq: 13 Aug 2019 20:03

Instrument :

MSVOA\_V

ClientSampleId :

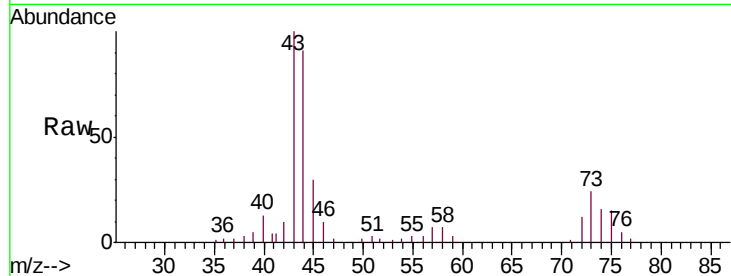
C0AC8

Tgt Ion: 43 Resp: 32328

Ion Ratio Lower Upper

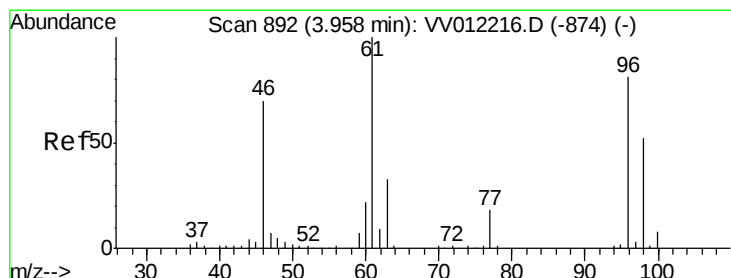
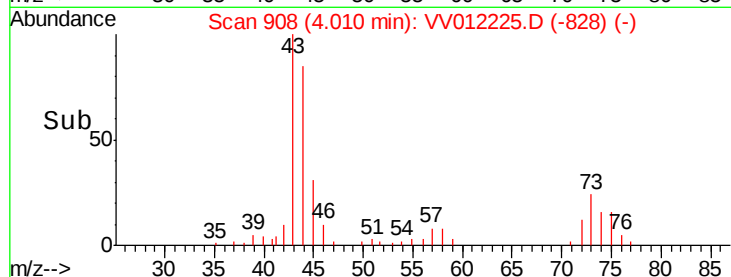
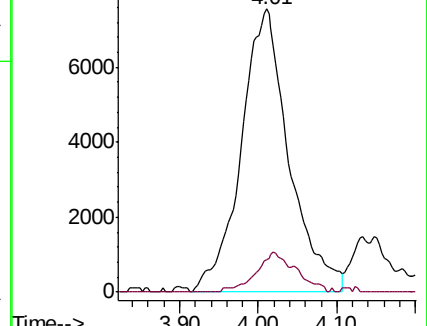
43 100

72 9.0 12.9 38.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



#22

cis-1,2-Dichloroethene

Concen: 0.139 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV012225.D

Acq: 13 Aug 2019 20:03

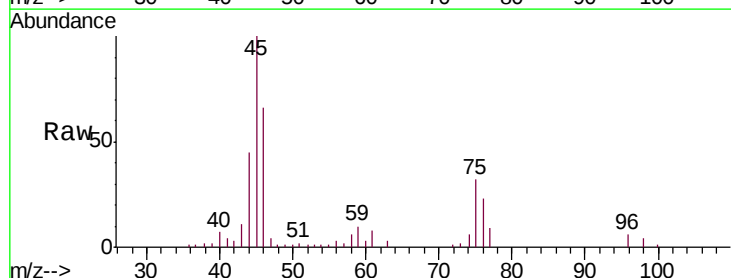
Tgt Ion: 96 Resp: 2094

Ion Ratio Lower Upper

96 100

61 127.1 86.0 159.6

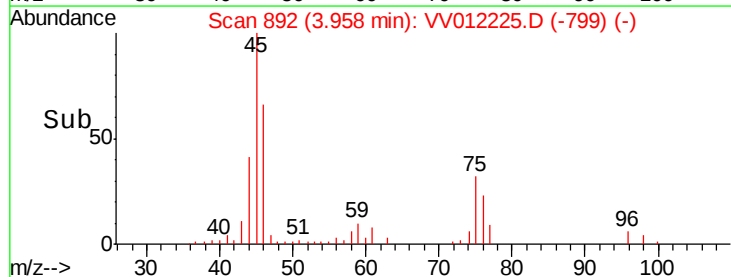
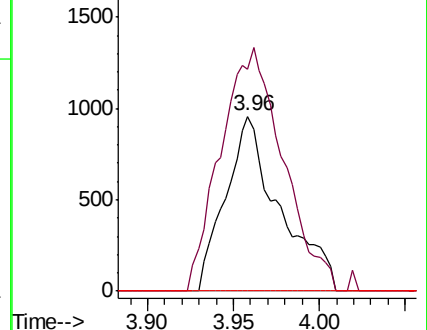
68 0.0 0.0 0.0

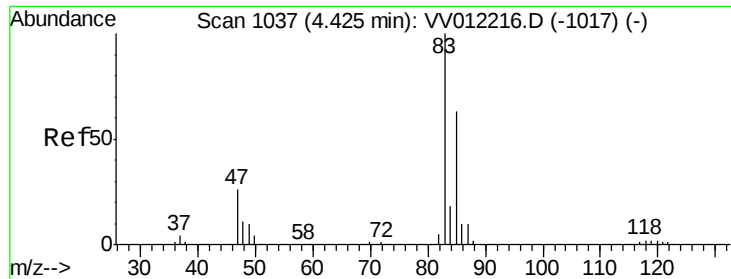


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

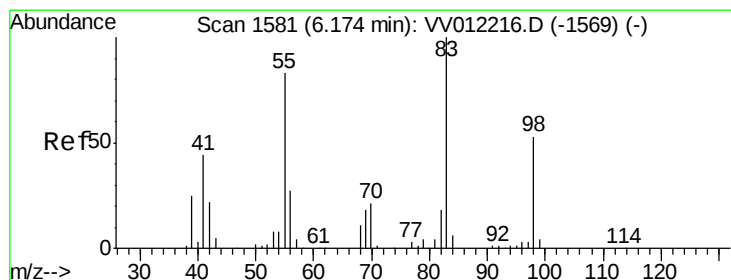
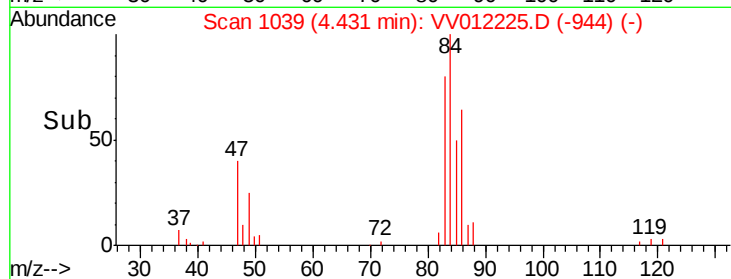
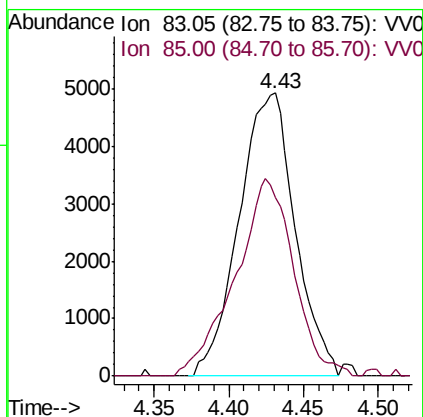
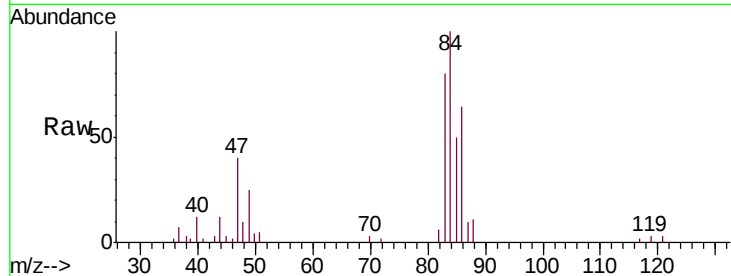




#25  
Chloroform  
Concen: 0.453 ug/L  
RT: 4.43 min Scan# 1039  
Delta R.T. 0.01 min  
Lab File: VV012225.D  
Acq: 13 Aug 2019 20:03

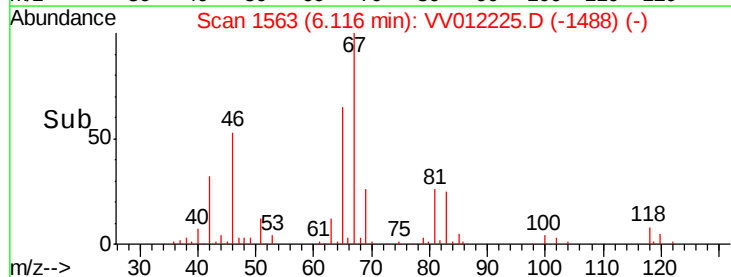
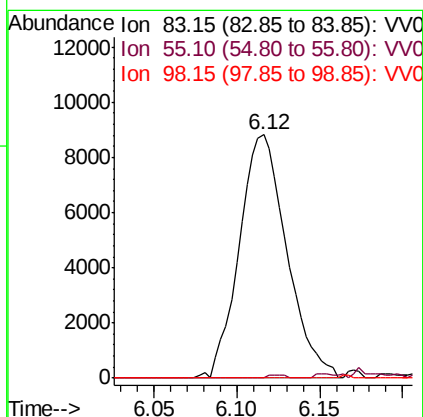
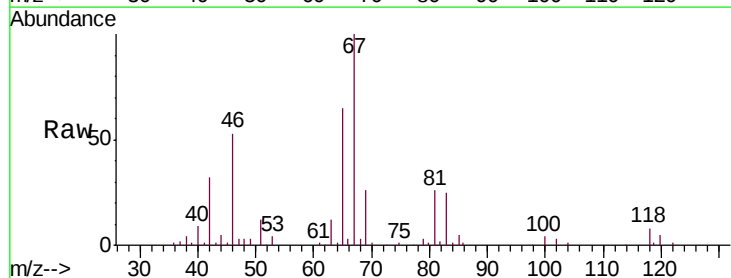
Instrument :  
MSVOA\_V  
ClientSampled :  
C0AC8

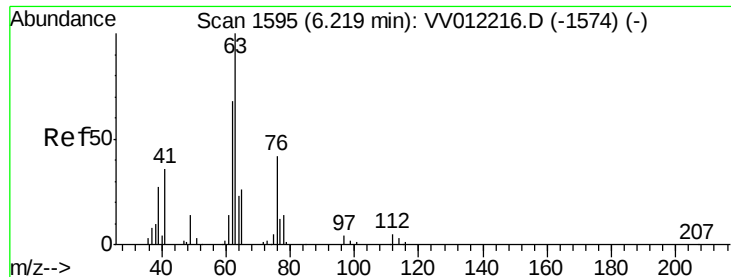
Tgt Ion: 83 Resp: 12869  
Ion Ratio Lower Upper  
83 100  
85 63.2 44.3 82.3



#35  
Methylcyclohexane  
Concen: 0.723 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.06 min  
Lab File: VV012225.D  
Acq: 13 Aug 2019 20:03

Tgt Ion: 83 Resp: 17521  
Ion Ratio Lower Upper  
83 100  
55 0.5 62.2 93.2#  
98 4.7 39.2 58.8#





#37

1,2-Dichloropropane

Concen: 0.581 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV012225.D

Acq: 13 Aug 2019 20:03

Instrument :

MSVOA\_V

ClientSampleId :

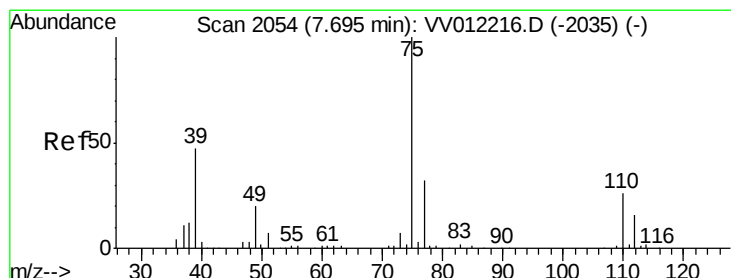
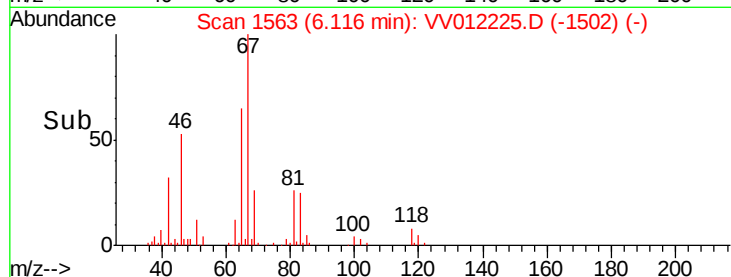
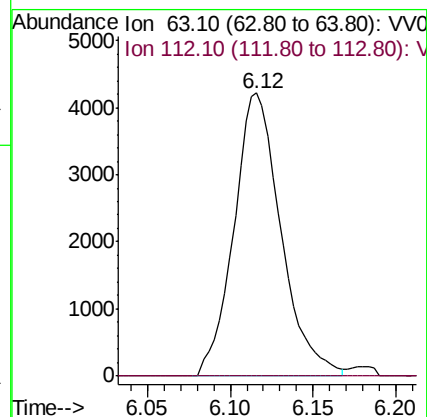
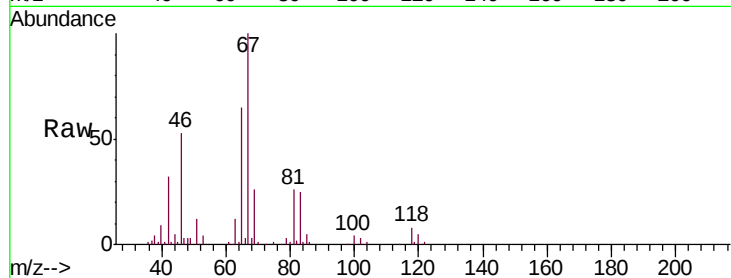
C0AC8

Tgt Ion: 63 Resp: 8341

Ion Ratio Lower Upper

63 100

112 0.5 3.8 5.8#



#44

trans-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012225.D

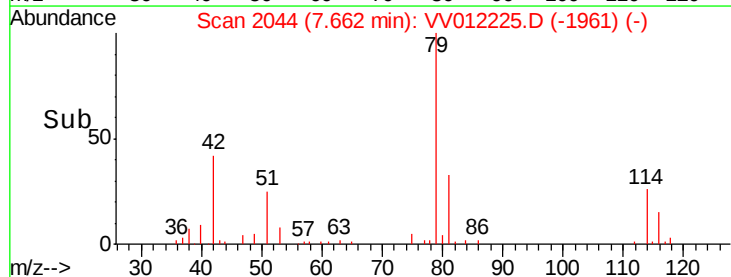
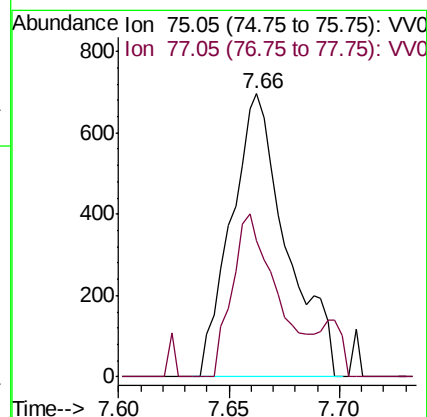
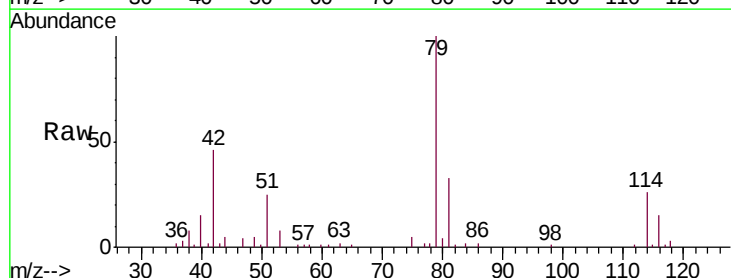
Acq: 13 Aug 2019 20:03

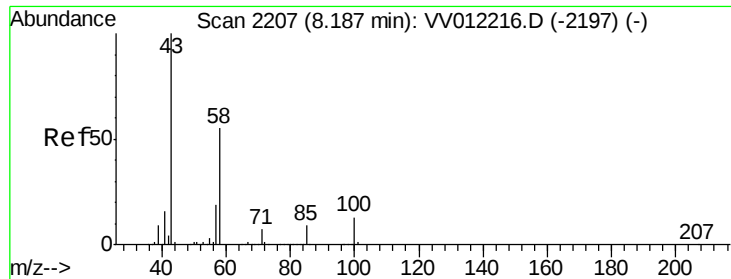
Tgt Ion: 75 Resp: 1211

Ion Ratio Lower Upper

75 100

77 48.0 22.5 41.7#





#48

2-Hexanone

Concen: 1.916 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.01 min

Lab File: VV012225.D

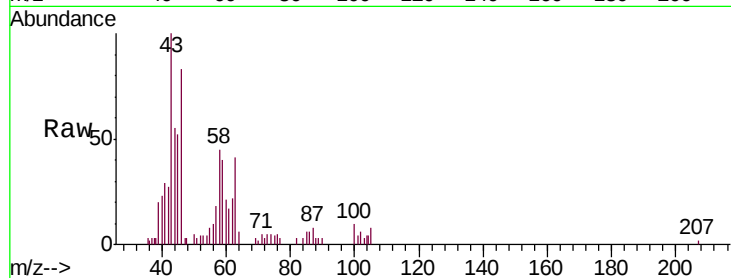
Acq: 13 Aug 2019 20:03

Instrument :

MSVOA\_V

ClientSampleId :

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Tgt Ion: 43 Resp: 10666

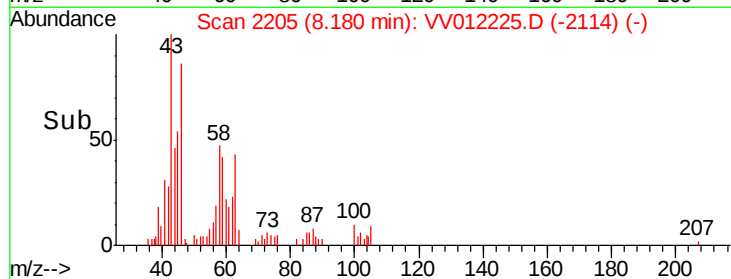
Ion Ratio Lower Upper

43 100

58 41.8 43.0 64.4#

57 1.4 14.9 22.3#

100 4.5 10.3 15.5#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

