

Data File : VV012855.D  
Acq On : 17 Sep 2019 00:01  
Operator : SY/MD  
Sample : K4834-11  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
COMH9

Quant Time: Sep 17 07:27:56 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR091619WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Sep 17 07:22:21 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 382246   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 380298   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 138266   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 121112   | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.40%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 99954    | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 96.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 159702   | 3.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 72.80%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 152135   | 41.58    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 83.16%  |
| 24) Chloroform-d               | 4.40   | 84    | 199365   | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 99734    | 5.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.20% |
| 32) Benzene-d6                 | 5.09   | 84    | 405573   | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 125547   | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.20%  |
| 41) Toluene-d8                 | 7.36   | 98    | 315419   | 4.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 84.60%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 36852    | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 90.20%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 112051   | 48.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 97.86%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 72998    | 5.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 105.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 108256   | 5.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 113.00% |

#### Target Compounds

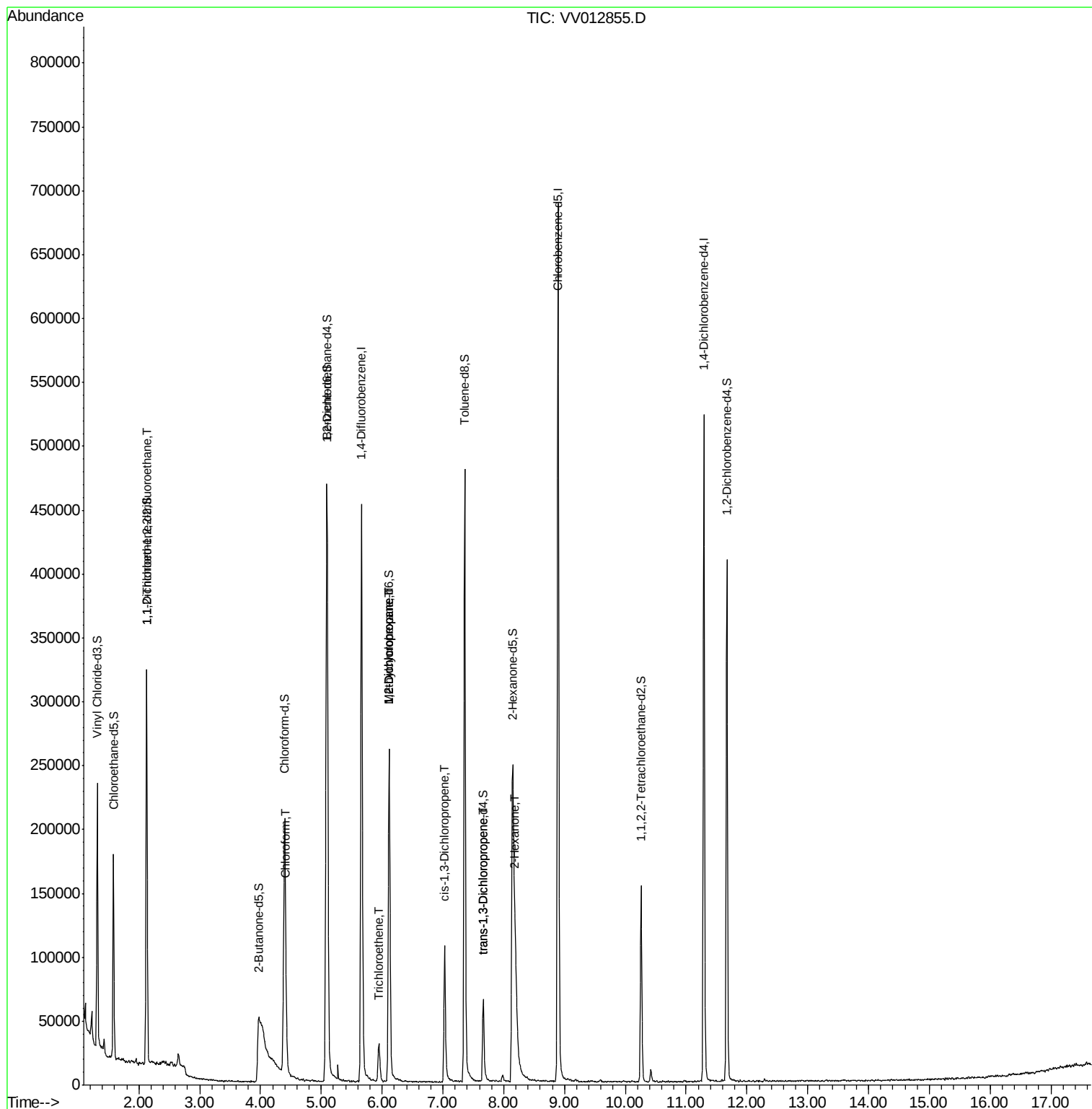
|                                |      |     |       |       | Qvalue |    |
|--------------------------------|------|-----|-------|-------|--------|----|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 1811  | 0.080 | ug/L # | 21 |
| 25) Chloroform                 | 4.42 | 83  | 9434  | 0.180 | ug/L   | 95 |
| 34) Trichloroethene            | 5.96 | 95  | 2842  | 0.104 | ug/L   | 95 |
| 35) Methylcyclohexane          | 6.12 | 83  | 29324 | 0.870 | ug/L # | 17 |
| 37) 1,2-Dichloropropane        | 6.12 | 63  | 14236 | 0.550 | ug/L # | 87 |
| 39) cis-1,3-Dichloropropene    | 7.04 | 75  | 3003  | 0.094 | ug/L # | 80 |
| 44) trans-1,3-Dichloropropene  | 7.67 | 75  | 1666  | 0.065 | ug/L   | 89 |
| 48) 2-Hexanone                 | 8.19 | 43  | 51202 | 4.698 | ug/L # | 76 |

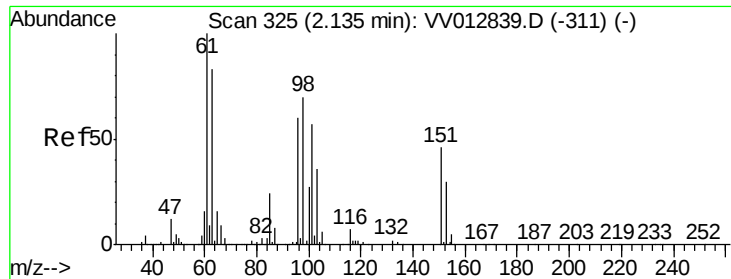
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.080 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012855.D

Acq: 17 Sep 2019 00:01

Instrument :

MSVOA\_V

ClientSampleId :

COMH9

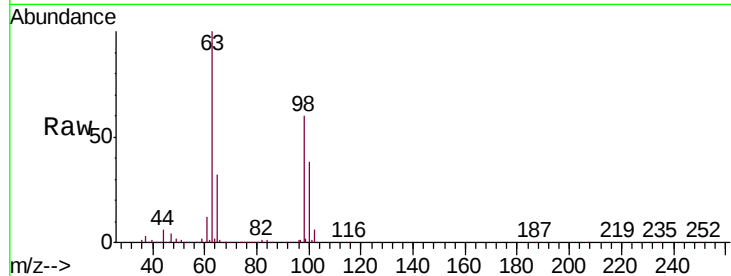
Tgt Ion:101 Resp: 1811

Ion Ratio Lower Upper

101 100

85 7.5 32.9 49.3#

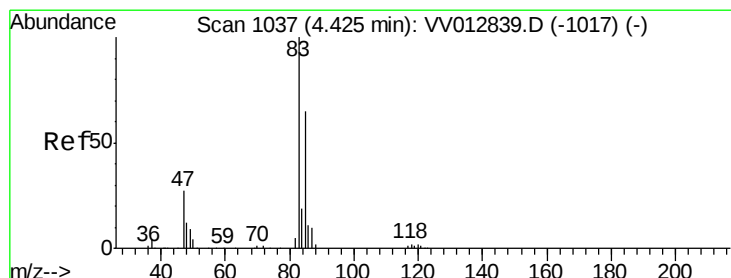
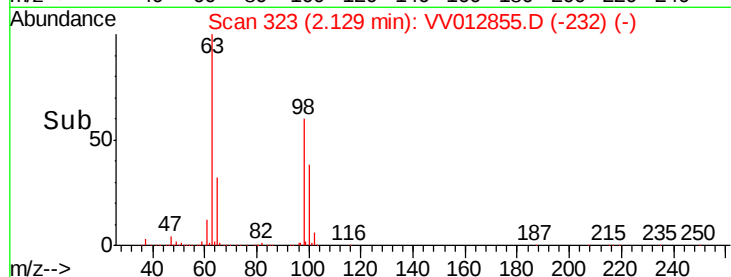
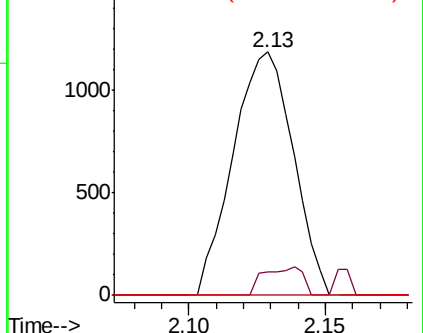
151 0.0 65.0 97.6#



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



#25

Chloroform

Concen: 0.180 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV012855.D

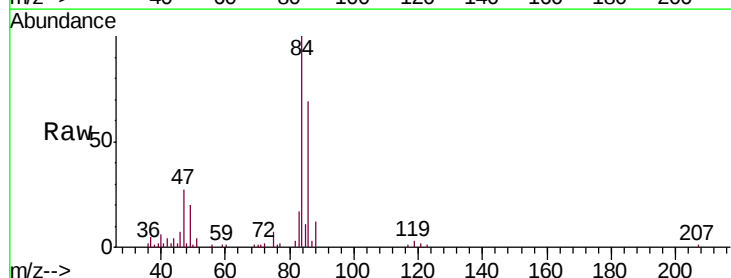
Acq: 17 Sep 2019 00:01

Tgt Ion: 83 Resp: 9434

Ion Ratio Lower Upper

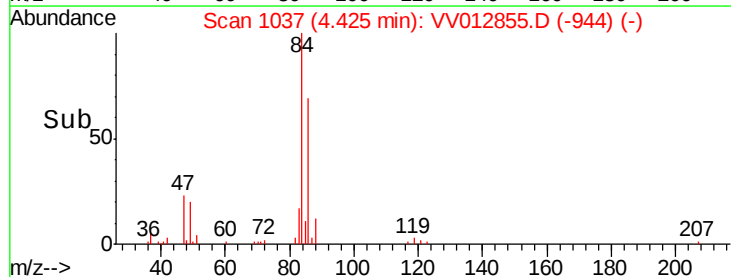
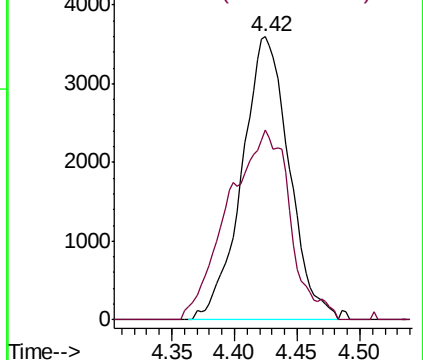
83 100

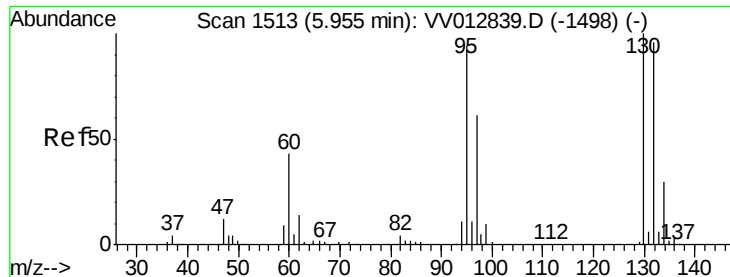
85 67.1 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 0.104 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012855.D

Acq: 17 Sep 2019 00:01

Instrument :

MSVOA\_V

ClientSampleId :

COMH9

Tgt Ion: 95 Resp: 2842

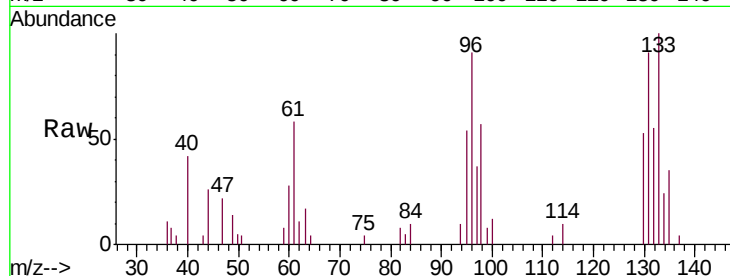
Ion Ratio Lower Upper

95 100

97 67.4 44.4 82.4

132 102.1 69.0 128.1

130 98.4 72.8 135.2

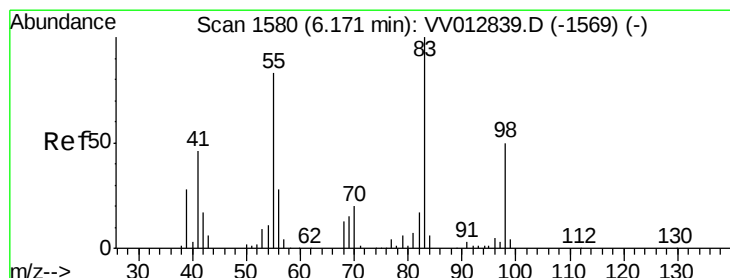
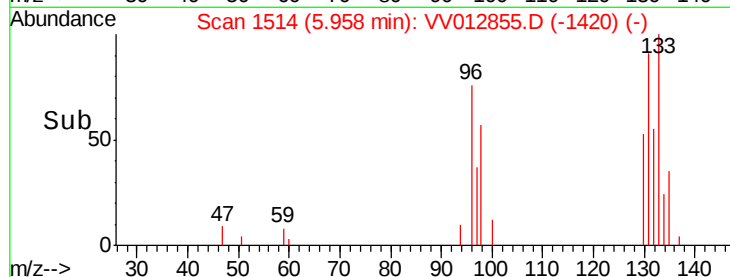
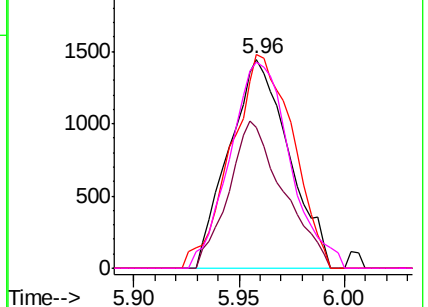


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.870 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV012855.D

Acq: 17 Sep 2019 00:01

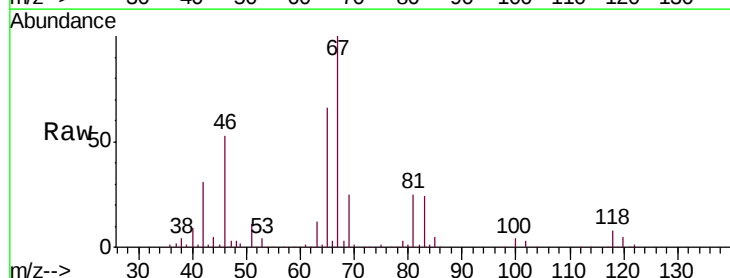
Tgt Ion: 83 Resp: 29324

Ion Ratio Lower Upper

83 100

55 0.7 65.4 98.2#

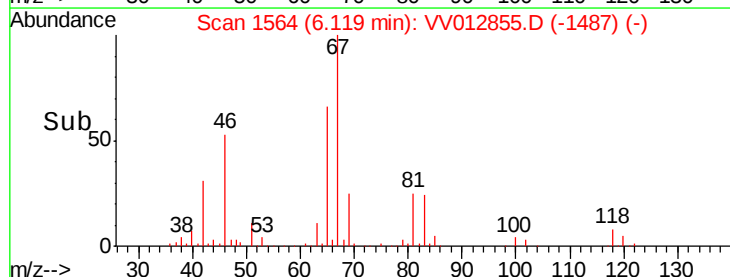
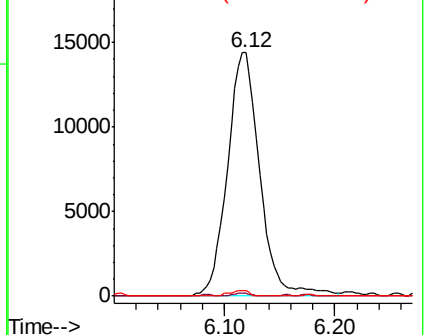
98 1.3 39.0 58.4#

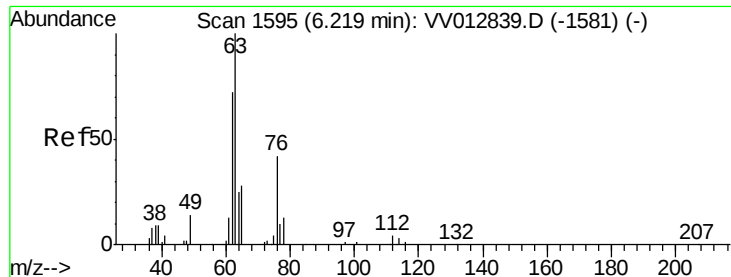


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.550 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV012855.D

Acq: 17 Sep 2019 00:01

Instrument :

MSVOA\_V

ClientSampled :

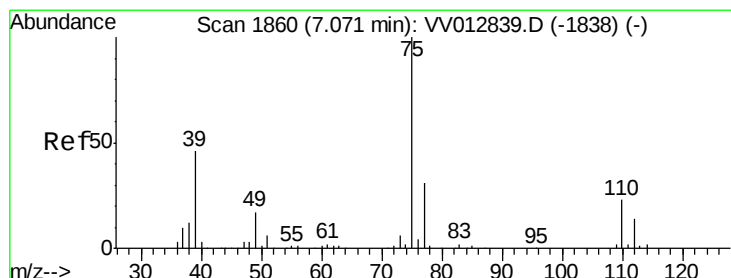
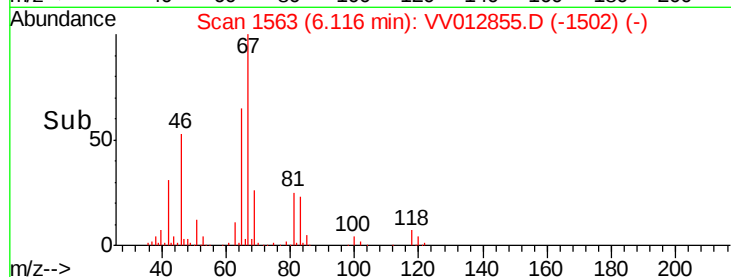
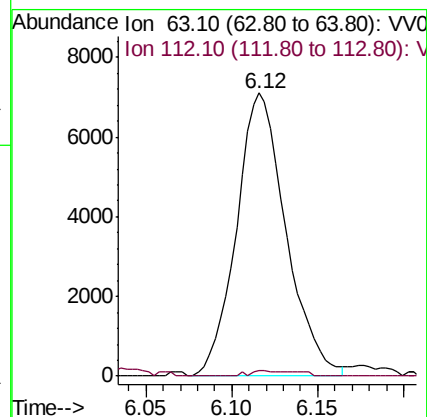
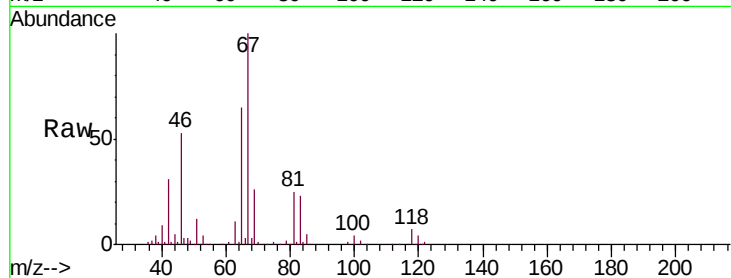
COMH9

Tgt Ion: 63 Resp: 14236

Ion Ratio Lower Upper

63 100

112 1.0 4.2 6.2#



#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV012855.D

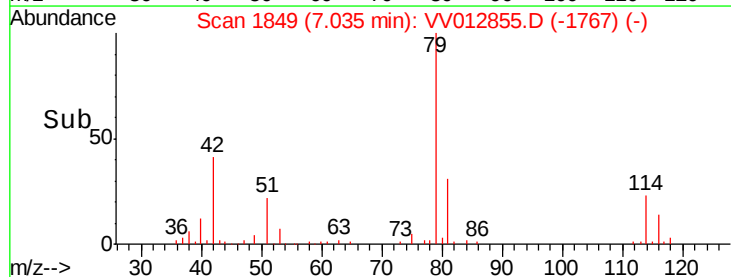
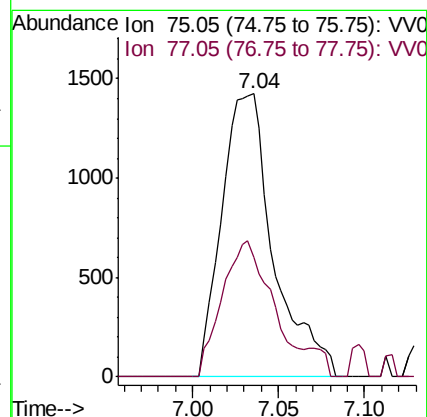
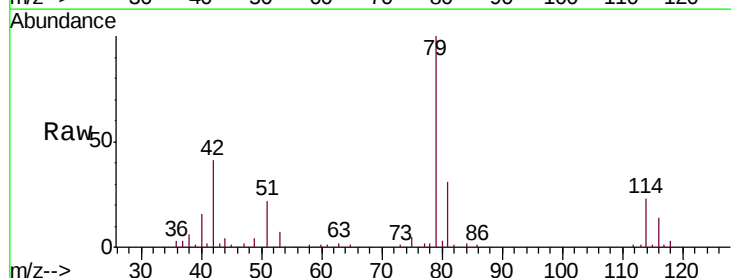
Acq: 17 Sep 2019 00:01

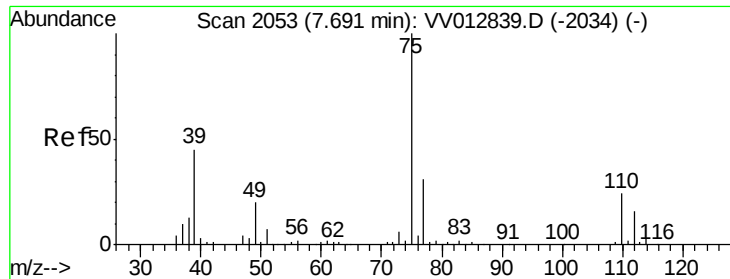
Tgt Ion: 75 Resp: 3003

Ion Ratio Lower Upper

75 100

77 42.4 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.065 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV012855.D

Acq: 17 Sep 2019 00:01

Instrument :

MSVOA\_V

ClientSampleId :

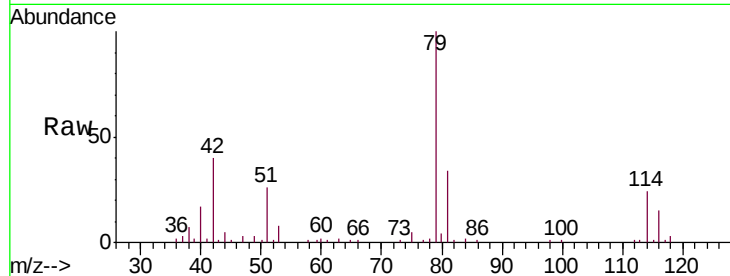
COMH9

Tgt Ion: 75 Resp: 1666

Ion Ratio Lower Upper

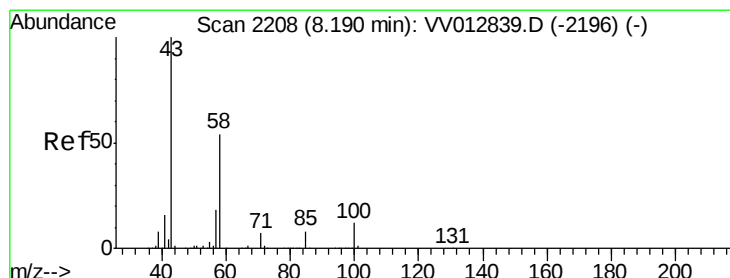
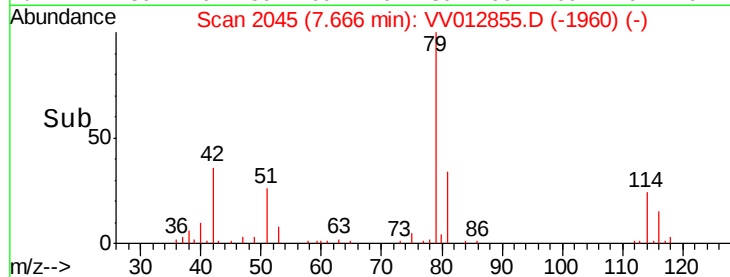
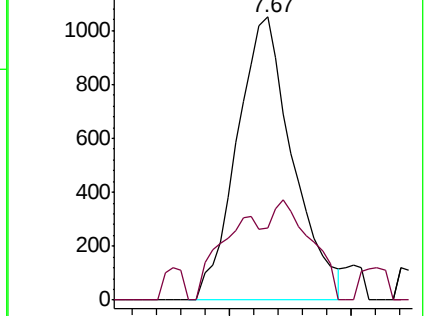
75 100

77 25.6 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV012839.D (-2034) (-)

Ion 77.05 (76.75 to 77.75): VV012839.D (-2034) (-)



#48

2-Hexanone

Concen: 4.698 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VV012855.D

Acq: 17 Sep 2019 00:01

Tgt Ion: 43 Resp: 51202

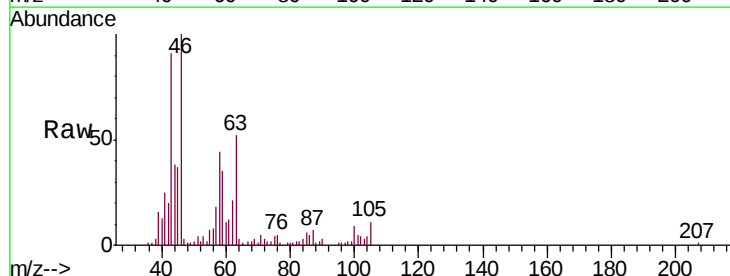
Ion Ratio Lower Upper

43 100

58 34.6 44.8 67.2#

57 11.9 15.0 22.6#

100 7.9 8.8 13.2#



Abundance Ion 43.05 (42.75 to 43.75): VV012839.D (-2196) (-)

Ion 58.05 (57.75 to 58.75): VV012839.D (-2196) (-)

Ion 57.20 (56.90 to 57.90): VV012839.D (-2196) (-)

Ion 100.15 (99.85 to 100.85): VV012839.D (-2196) (-)

