

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102619\  
 Data File : VV013376.D  
 Acq On : 26 Oct 2019 16:17  
 Operator : SY/MD  
 Sample : K5567-04  
 Misc : 25.0ML/MSVOA V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 29 13:50:10 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102119WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Oct 29 13:11:08 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 404664   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 442204   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 222882   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 168174   | 5.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 112.80% |
| 7) Chloroethane-d5             | 1.58   | 69    | 135036   | 5.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 109.60% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 212149   | 4.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 80.00%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 359207   | 62.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 125.40% |
| 24) Chloroform-d               | 4.40   | 84    | 347338   | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 170942   | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 105.20% |
| 32) Benzene-d6                 | 5.10   | 84    | 743002   | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.80% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 222106   | 5.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 103.20% |
| 41) Toluene-d8                 | 7.36   | 98    | 631979   | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.40%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 67925    | 4.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.40%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 212384   | 36.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 73.12%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 145808   | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 93.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 247928   | 5.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 114.40% |

## Target Compounds

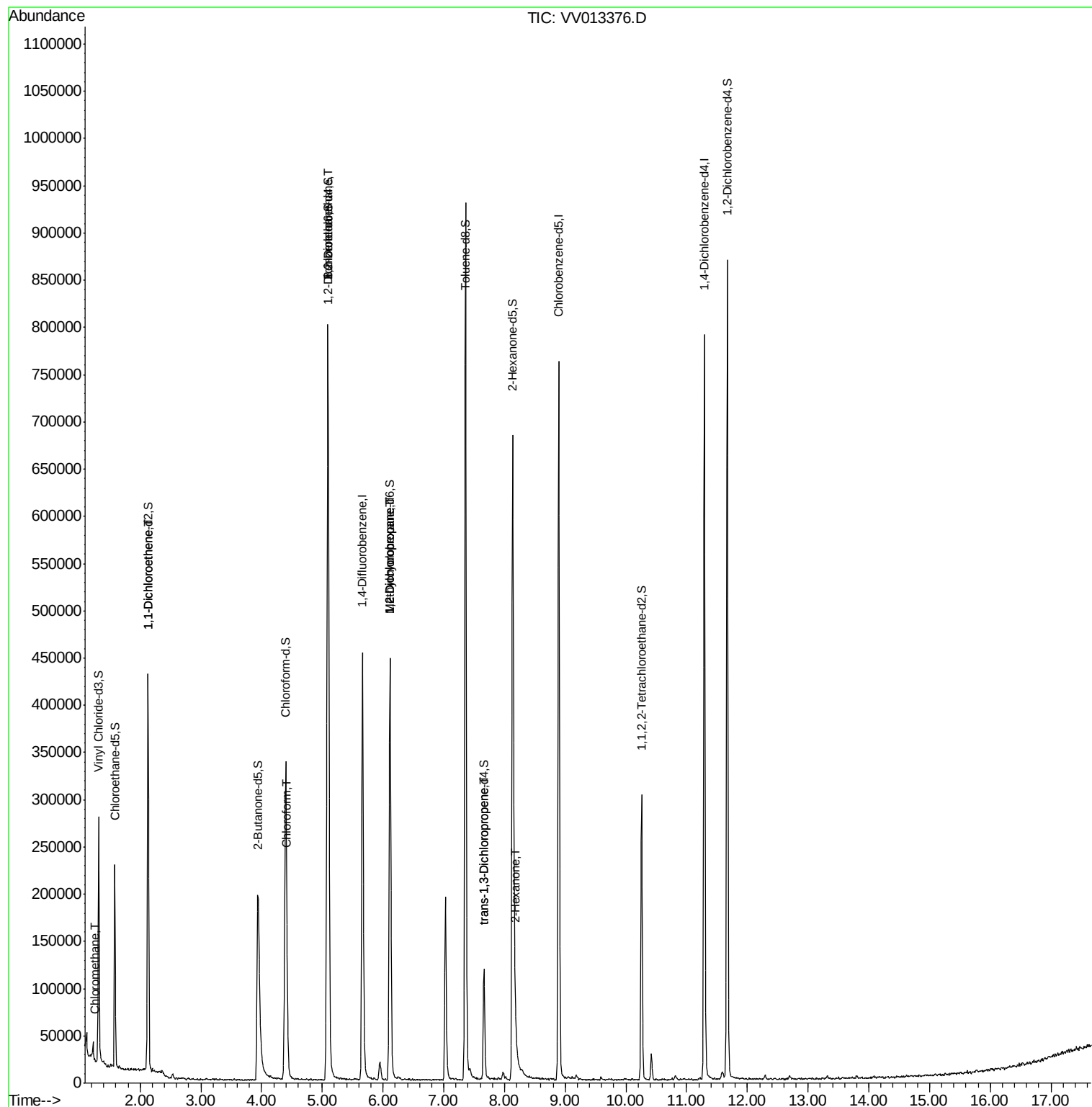
|                               |      |    |       |              | Ovalue |
|-------------------------------|------|----|-------|--------------|--------|
| 3) Chloromethane              | 1.25 | 50 | 3333  | 0.086 ug/L   | 98     |
| 12) 1,1-Dichloroethene        | 2.14 | 96 | 2318  | 0.073 ug/L # | 1      |
| 25) Chloroform                | 4.42 | 83 | 17350 | 0.218 ug/L   | 82     |
| 27) 1,2-Dichloroethane        | 5.10 | 62 | 4177  | 0.098 ug/L   | 95     |
| 35) Methylcyclohexane         | 6.12 | 83 | 54240 | 0.778 ug/L # | 18     |
| 37) 1,2-Dichloropropane       | 6.11 | 63 | 23082 | 0.563 ug/L # | 85     |
| 44) trans-1,3-Dichloropropene | 7.66 | 75 | 2605  | 0.060 ug/L # | 73     |
| 48) 2-Hexanone                | 8.18 | 43 | 24929 | 1.666 ug/L # | 82     |

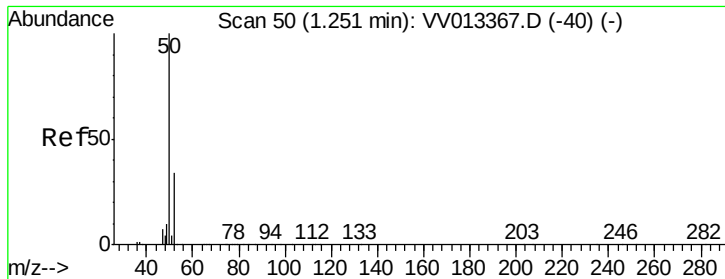
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 29 13:11:08 2019  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.086 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013376.D

Acq: 26 Oct 2019 16:17

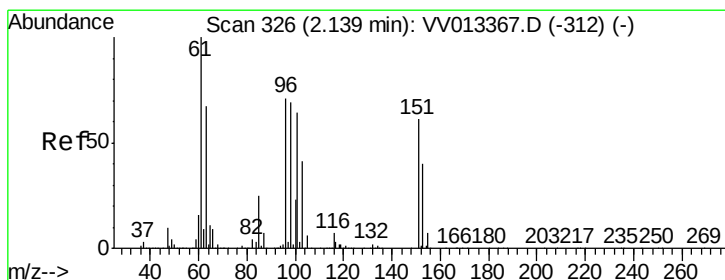
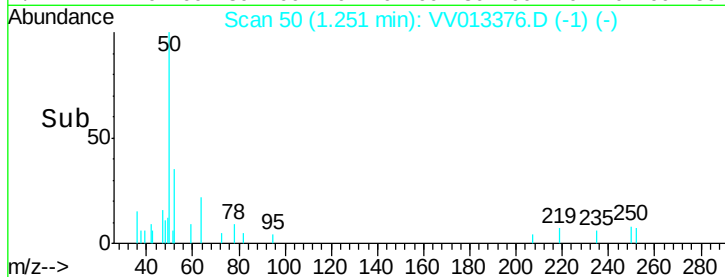
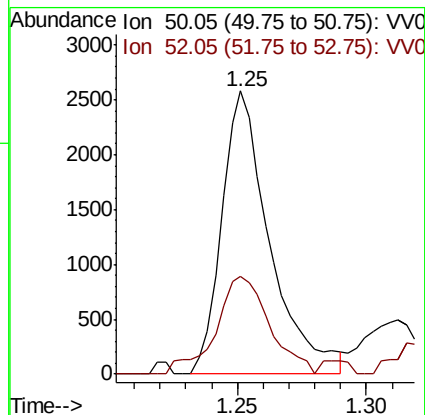
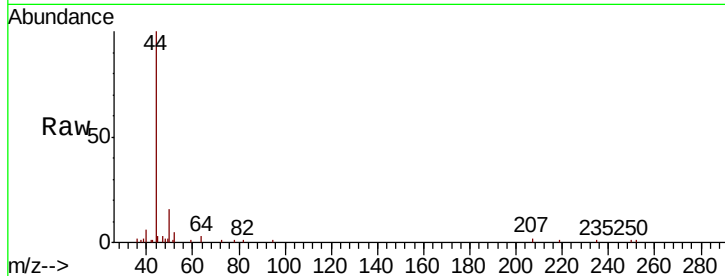
Instrument :  
MSVOA\_V  
ClientSampled :

Tot Ion: 50 Resp: 3333

Ion Ratio Lower Upper

50 100

52 34.5 23.3 43.3



#12

1,1-Dichloroethene

Concen: 0.073 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013376.D

Acq: 26 Oct 2019 16:17

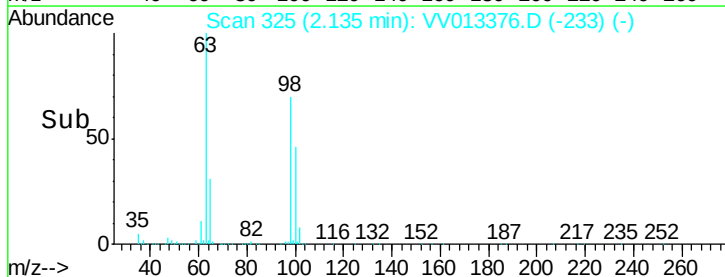
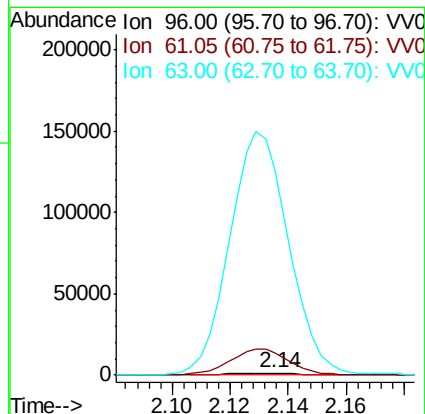
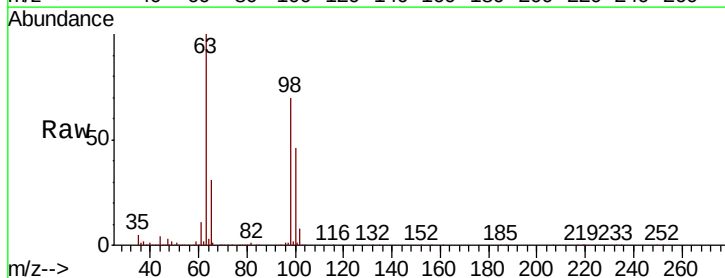
Tgt Ion: 96 Resp: 2318

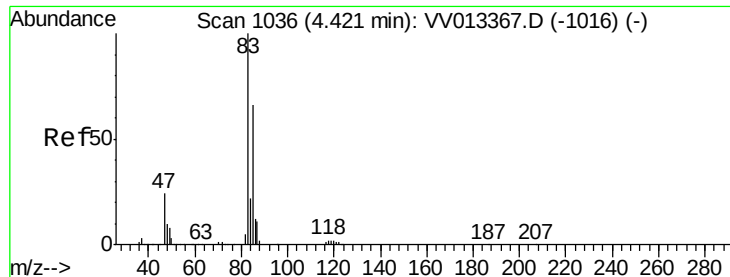
Ion Ratio Lower Upper

96 100

61 971.3 104.0 193.1#

63 8842.1 67.1 124.5#





#25

Chloroform

Concen: 0.218 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013376.D

Acq: 26 Oct 2019 16:17

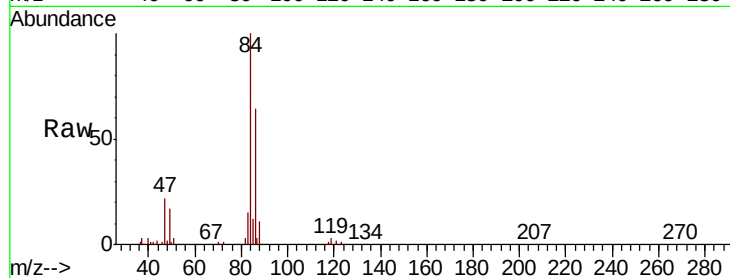
Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 83 Resp: 17350

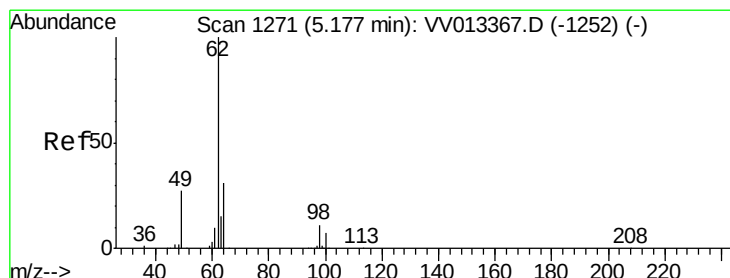
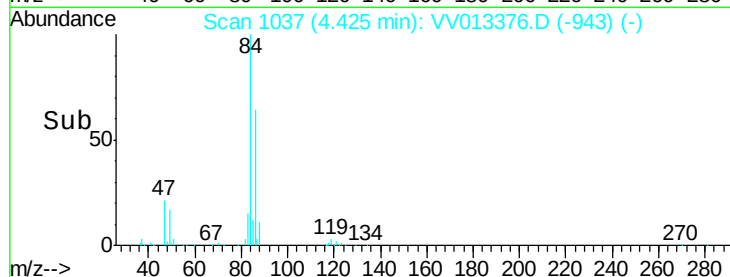
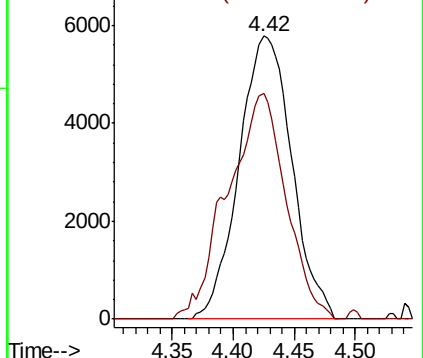
Ion Ratio Lower Upper

83 100

85 79.6 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV013376.D (-1016) (-)



#27

1,2-Dichloroethane

Concen: 0.098 ug/L

RT: 5.10 min Scan# 1246

Delta R.T. -0.08 min

Lab File: VV013376.D

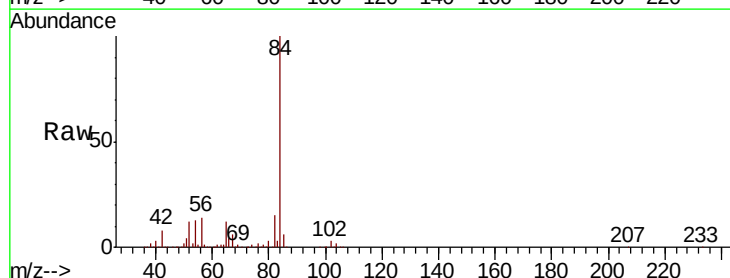
Acq: 26 Oct 2019 16:17

Tgt Ion: 62 Resp: 4177

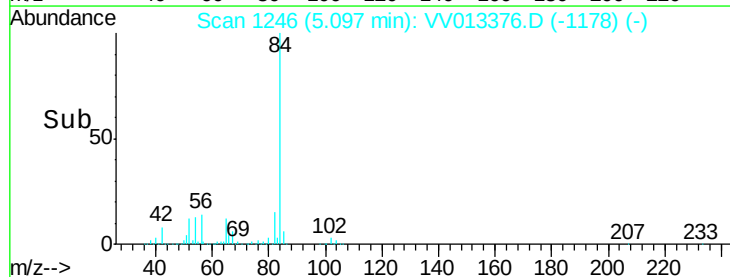
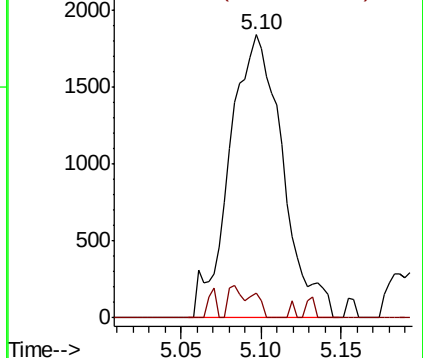
Ion Ratio Lower Upper

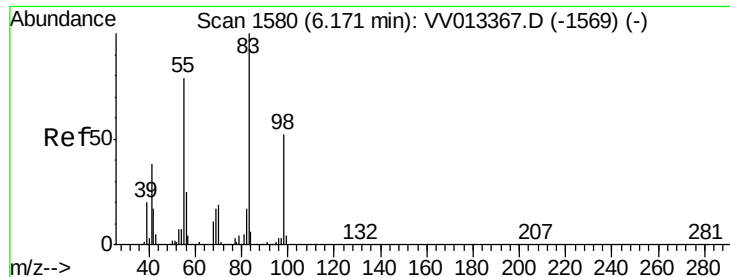
62 100

98 8.6 8.3 12.5



Abundance Ion 62.00 (61.70 to 62.70): VV013376.D (-1178) (-)





#35

Methylvlcyclohexane

Concen: 0.778 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV013376.D

Acq: 26 Oct 2019 16:17

Instrument :

MSVOA\_V

ClientSampleId :

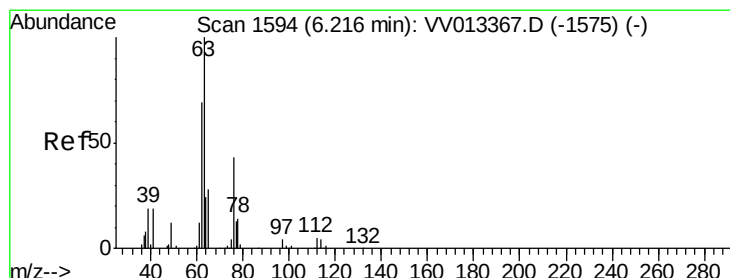
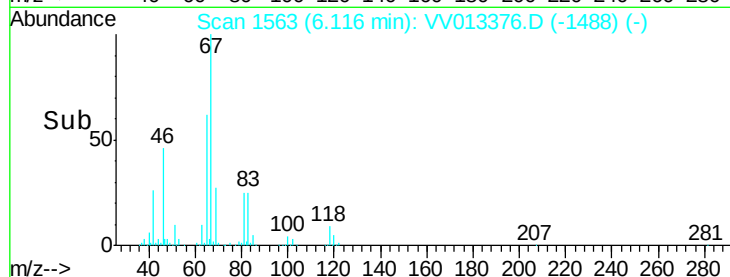
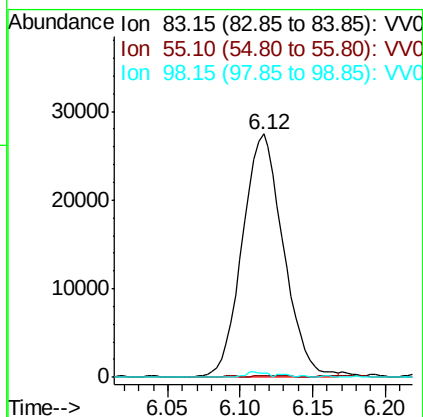
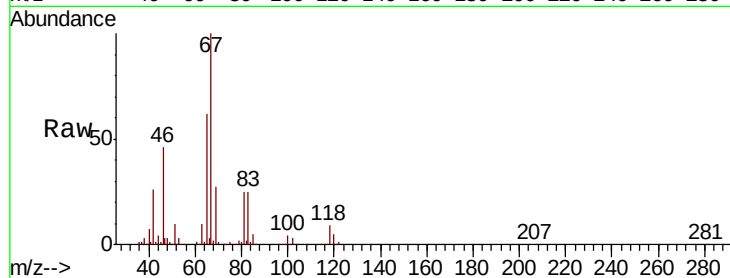
Tot Ion: 83 Resp: 54240

Ion Ratio Lower Upper

83 100

55 0.2 62.4 93.6#

98 1.1 39.2 58.8#



#37

1,2-Dichloropropane

Concen: 0.563 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV013376.D

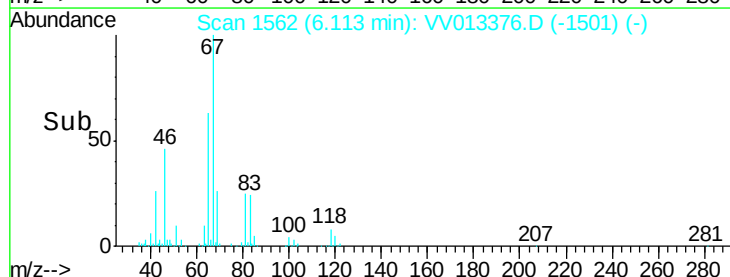
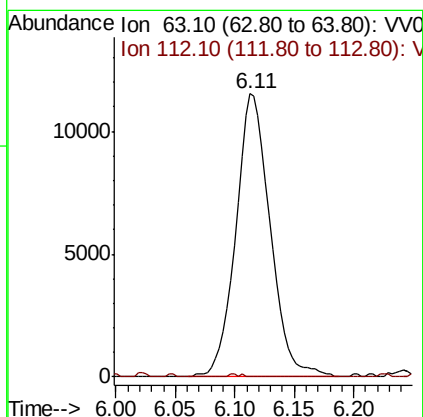
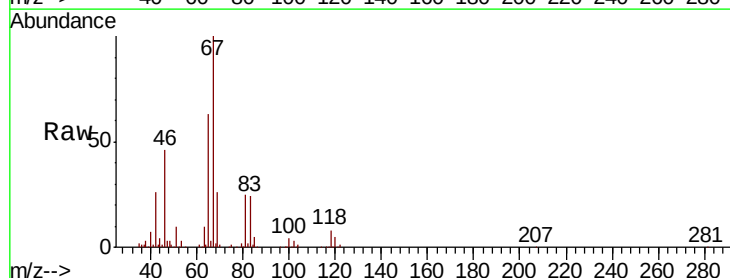
Acq: 26 Oct 2019 16:17

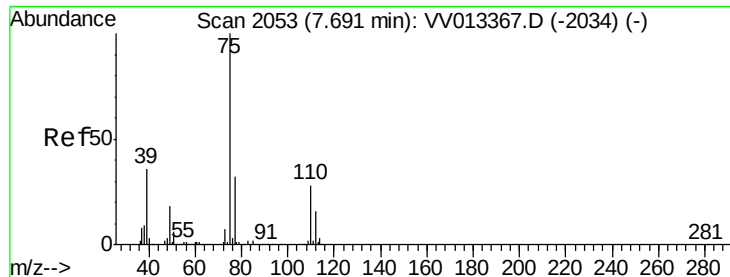
Tgt Ion: 63 Resp: 23082

Ion Ratio Lower Upper

63 100

112 0.3 4.1 6.1#





#44

trans-1,3-Dichloropropene

Concen: 0.060 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013376.D

Acq: 26 Oct 2019 16:17

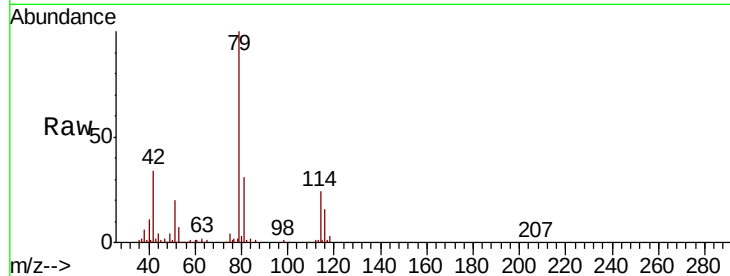
Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 75 Resp: 2605

Ion Ratio Lower Upper

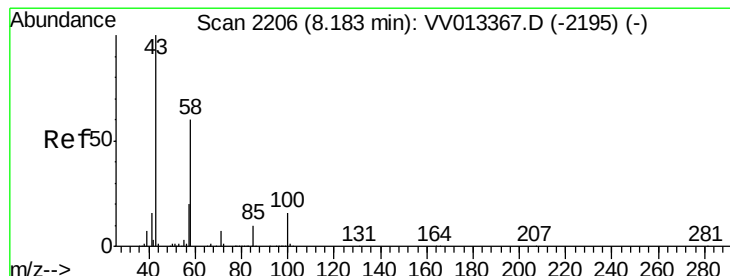
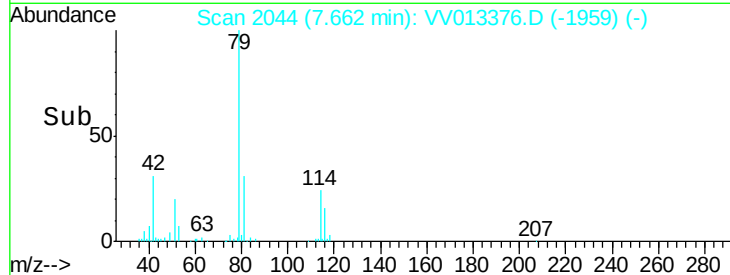
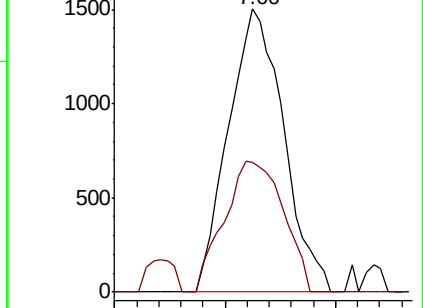
75 100

77 45.9 21.8 40.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#48

2-Hexanone

Concen: 1.666 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VV013376.D

Acq: 26 Oct 2019 16:17

Tgt Ion: 43 Resp: 24929

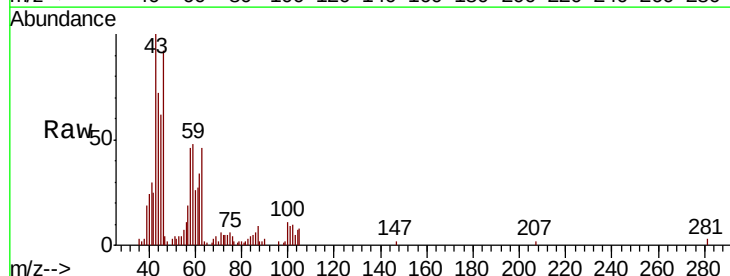
Ion Ratio Lower Upper

43 100

58 37.9 45.1 67.7#

57 16.3 15.5 23.3

100 10.4 10.2 15.2



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

