

Data File : VV013551.D  
Acq On : 08 Nov 2019 20:08  
Operator : SY/MD  
Sample : K5718-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BE9S4

Quant Time: Nov 08 22:55:21 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR110819WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Nov 08 22:42:17 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 387467   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 387253   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 172562   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 82924    | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 101.60% |
| 7) Chloroethane-d5             | 1.58   | 69    | 79257    | 5.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 109.40% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 103856   | 3.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 64.20%  |
| 20) 2-Butanone-d5              | 3.92   | 46    | 295949   | 50.55    | ug/L | -0.03   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 101.10% |
| 24) Chloroform-d               | 4.40   | 84    | 214373   | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.20% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 115753   | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.40% |
| 32) Benzene-d6                 | 5.10   | 84    | 377600   | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.11   | 67    | 135109   | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 102.20% |
| 41) Toluene-d8                 | 7.36   | 98    | 293336   | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.40%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 44618    | 4.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 87.60%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 192103   | 47.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 94.28%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 102095   | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 156133   | 5.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 109.60% |

#### Target Compounds

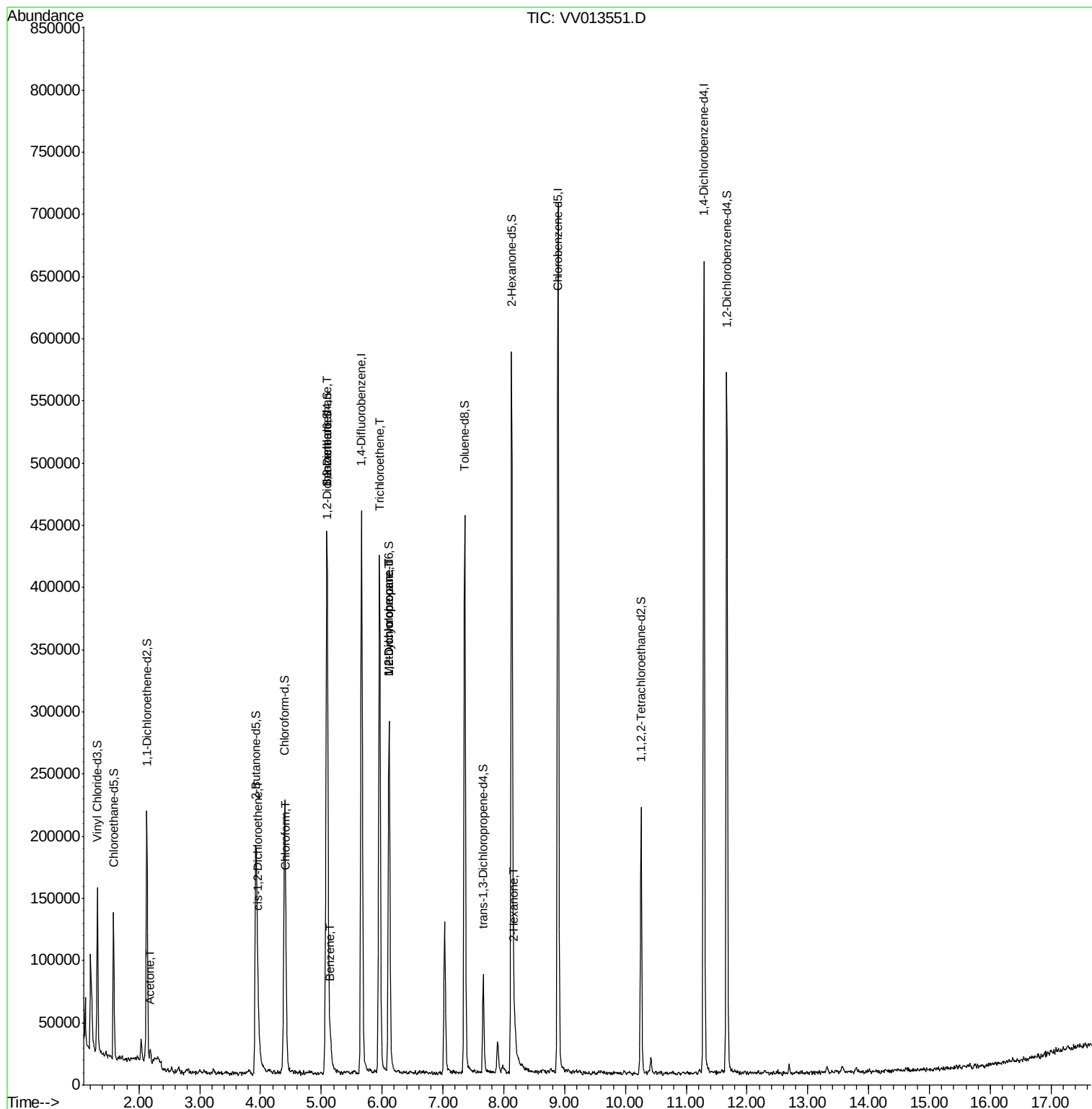
|                            |      |    |        |              | Qvalue |
|----------------------------|------|----|--------|--------------|--------|
| 13) Acetone                | 2.19 | 43 | 8339   | 2.348 ug/L   | 98     |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 10999  | 0.369 ug/L # | 95     |
| 25) Chloroform             | 4.42 | 83 | 10573  | 0.180 ug/L   | 92     |
| 27) 1,2-Dichloroethane     | 5.10 | 62 | 2657   | 0.084 ug/L   | 97     |
| 33) Benzene                | 5.15 | 78 | 30284  | 0.252 ug/L   | 100    |
| 34) Trichloroethene        | 5.96 | 95 | 140220 | 4.322 ug/L   | 98     |
| 35) Methylcyclohexane      | 6.11 | 83 | 33615  | 0.682 ug/L # | 18     |
| 37) 1,2-Dichloropropane    | 6.11 | 63 | 14682  | 0.496 ug/L # | 87     |
| 48) 2-Hexanone             | 8.18 | 43 | 10276  | 0.853 ug/L # | 39     |

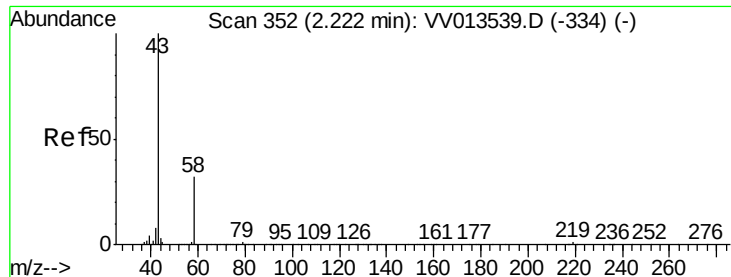
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 2.348 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.04 min

Lab File: VV013551.D

Acq: 08 Nov 2019 20:08

Instrument :

MSVOA\_V

ClientSampleId :

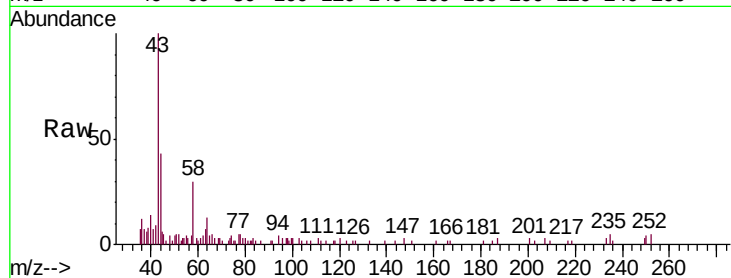
BE9S4

Tgt Ion: 43 Resp: 8339

Ion Ratio Lower Upper

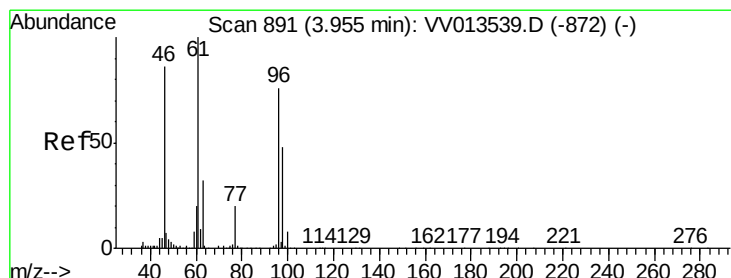
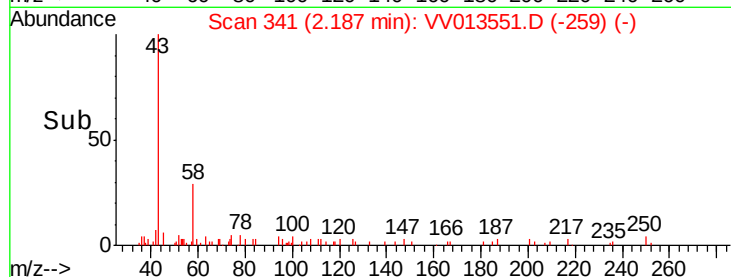
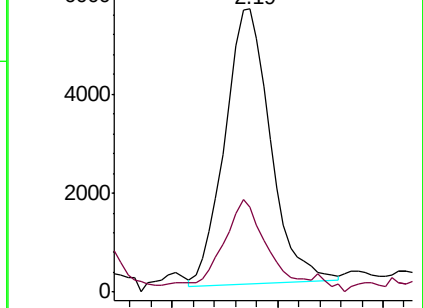
43 100

58 31.5 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VV013539.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV013539.D (-334) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.369 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.01 min

Lab File: VV013551.D

Acq: 08 Nov 2019 20:08

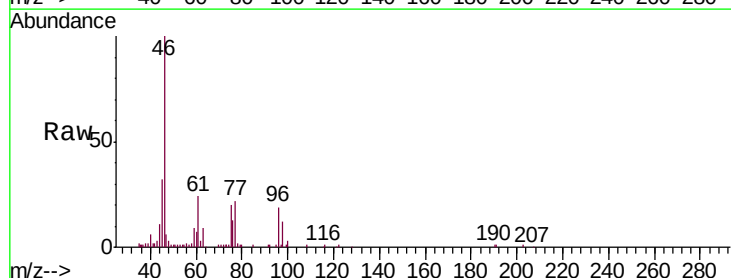
Tgt Ion: 96 Resp: 10999

Ion Ratio Lower Upper

96 100

61 129.0 94.6 175.8

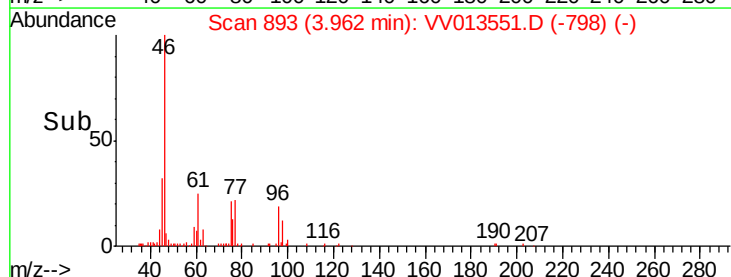
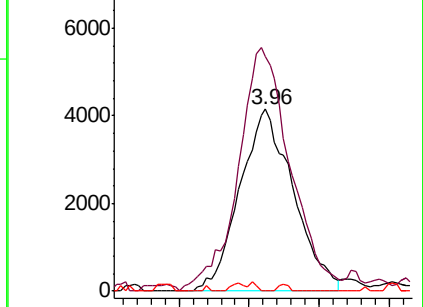
68 0.0 0.1 0.3#

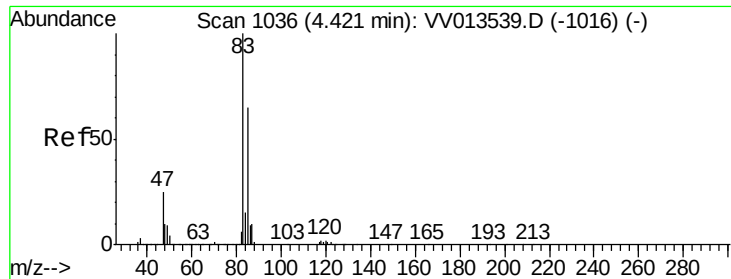


Abundance Ion 96.00 (95.70 to 96.70): VV013539.D (-872) (-)

Ion 61.05 (60.75 to 61.75): VV013539.D (-872) (-)

Ion 68.15 (67.85 to 68.85): VV013539.D (-872) (-)

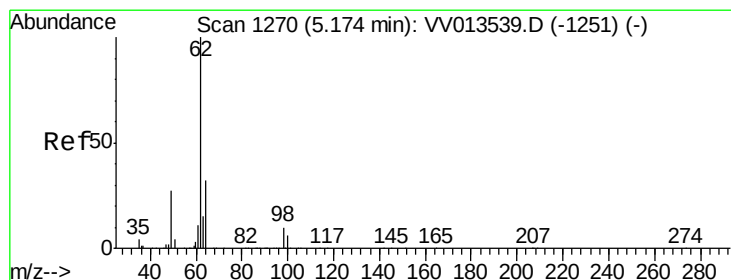
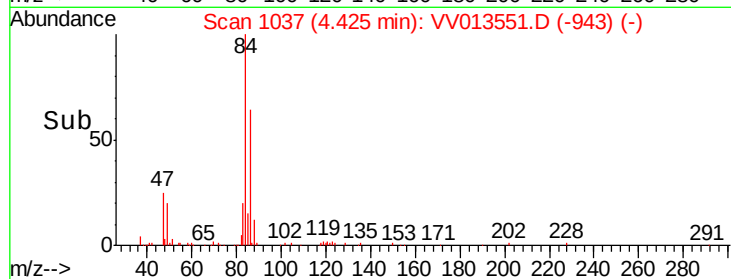
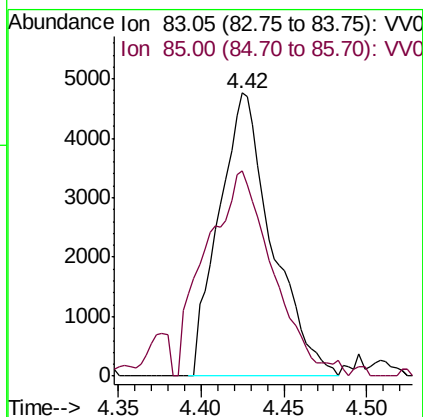
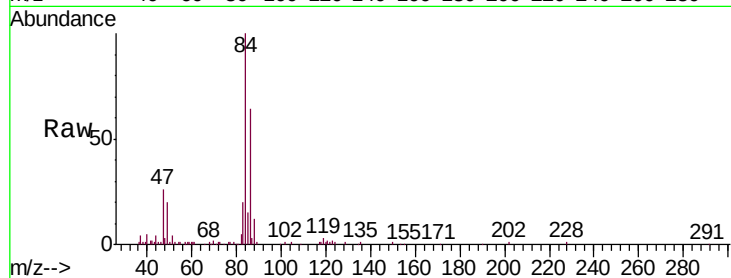




#25  
Chloroform  
Concen: 0.180 ug/L  
RT: 4.42 min Scan# 1037  
Delta R.T. 0.00 min  
Lab File: VV013551.D  
Acq: 08 Nov 2019 20:08

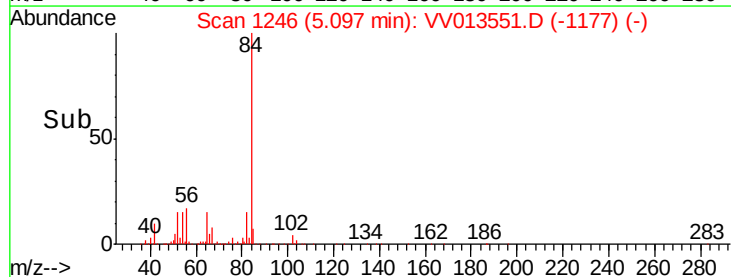
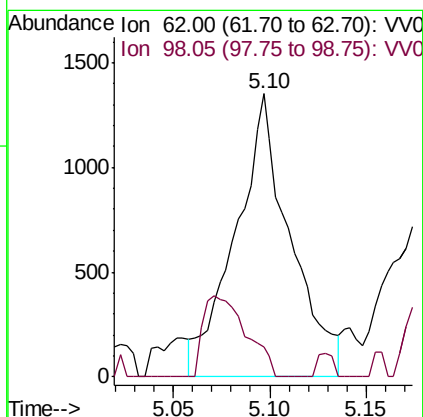
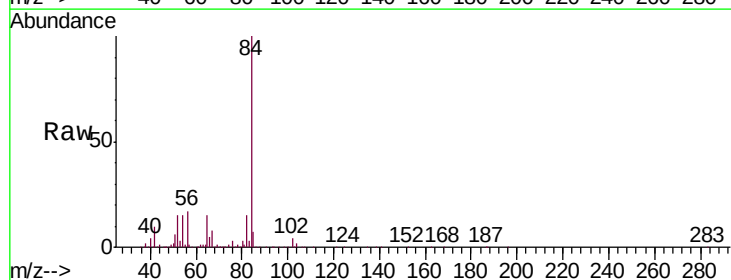
Instrument :  
MSVOA\_V  
ClientSampled :  
BE9S4

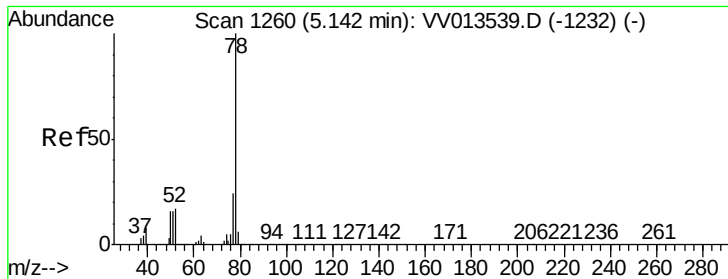
Tgt Ion: 83 Resp: 10573  
Ion Ratio Lower Upper  
83 100  
85 72.6 46.3 86.1



#27  
1,2-Dichloroethane  
Concen: 0.084 ug/L  
RT: 5.10 min Scan# 1246  
Delta R.T. -0.08 min  
Lab File: VV013551.D  
Acq: 08 Nov 2019 20:08

Tgt Ion: 62 Resp: 2657  
Ion Ratio Lower Upper  
62 100  
98 10.4 7.4 11.0





#33

Benzene

Concen: 0.252 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VV013551.D

Acq: 08 Nov 2019 20:08

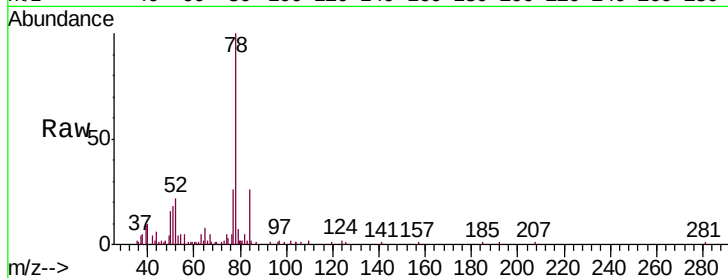
Instrument :

MSVOA\_V

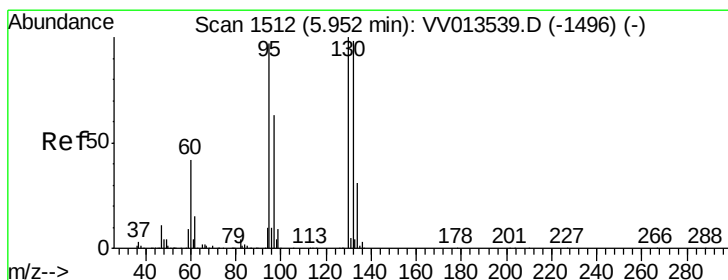
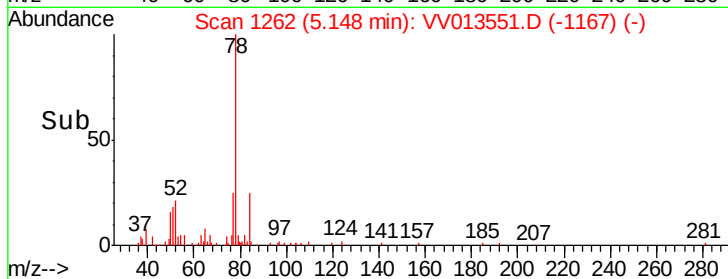
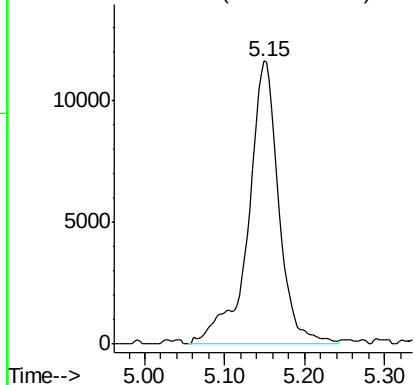
ClientSampleId :

BE9S4

Tgt Ion: 78 Resp: 30284



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 4.322 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VV013551.D

Acq: 08 Nov 2019 20:08

Tgt Ion: 95 Resp: 140220

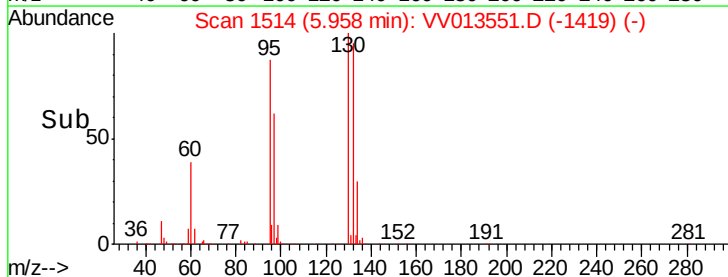
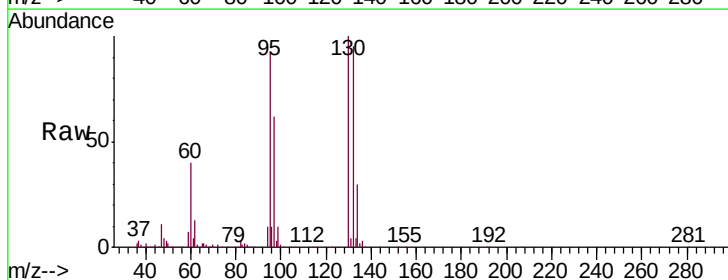
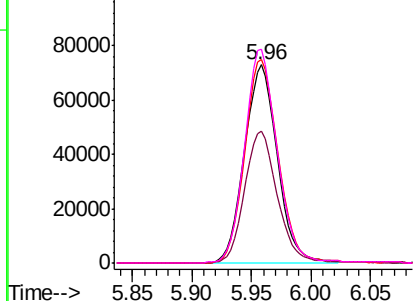
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.9  | 44.7  | 83.1  |
| 132 | 103.0 | 71.6  | 133.0 |
| 130 | 107.9 | 74.6  | 138.6 |

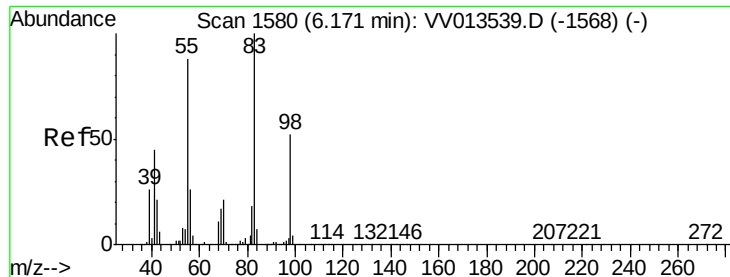
Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.682 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV013551.D

Acq: 08 Nov 2019 20:08

Instrument :

MSVOA\_V

ClientSampleId :

BE9S4

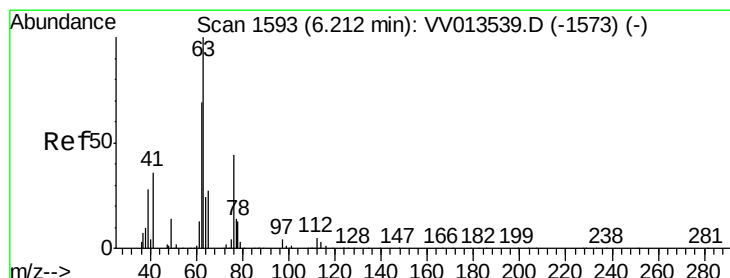
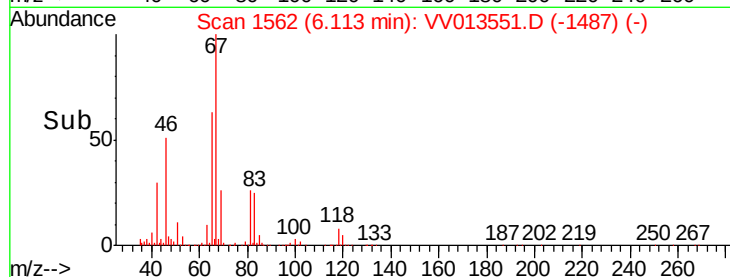
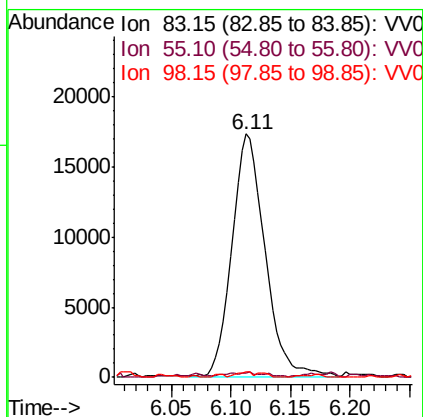
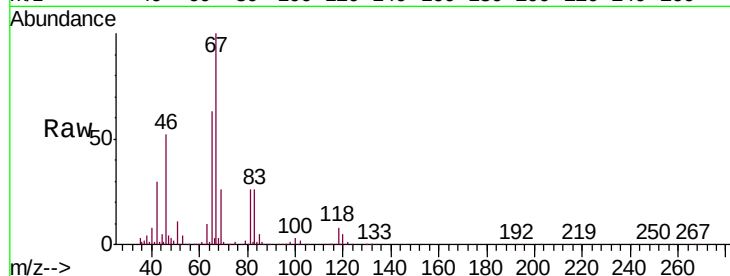
Tgt Ion: 83 Resp: 33615

Ion Ratio Lower Upper

83 100

55 0.5 63.8 95.8#

98 1.0 38.4 57.6#



#37

1,2-Dichloropropane

Concen: 0.496 ug/L

RT: 6.11 min Scan# 1561

Delta R.T. -0.10 min

Lab File: VV013551.D

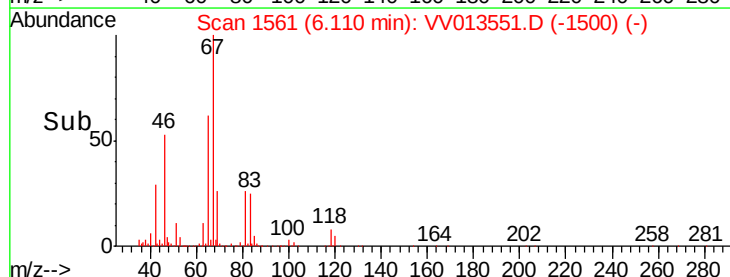
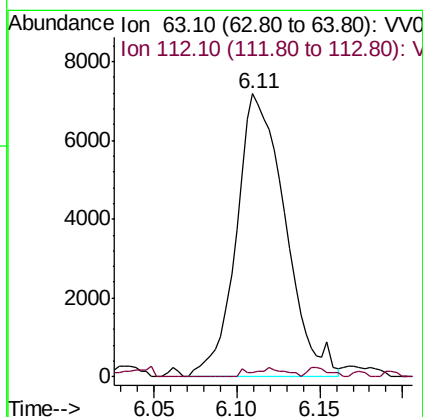
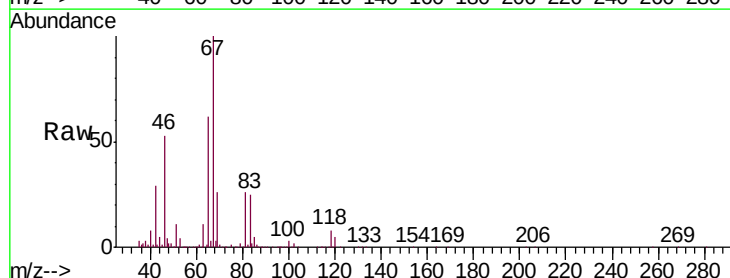
Acq: 08 Nov 2019 20:08

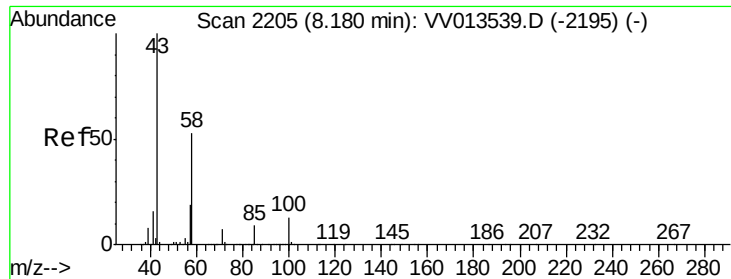
Tgt Ion: 63 Resp: 14682

Ion Ratio Lower Upper

63 100

112 0.6 3.8 5.6#





#48

2-Hexanone

Concen: 0.853 ug/L

RT: 8.18 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VV013551.D

Acq: 08 Nov 2019 20:08

Instrument :  
MSVOA\_V  
ClientSampleId :  
BE9S4

Tgt Ion: 43 Resp: 10276

Ion Ratio Lower Upper

43 100

58 0.0 43.8 65.8#

57 0.0 15.0 22.6#

100 2.3 9.8 14.6#

