

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060620\  
 Data File : VV016614.D  
 Acq On : 07 Jun 2020 02:09  
 Operator : SY/MD  
 Sample : L2875-13  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETTY3

Quant Time: Jun 07 03:27:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060320WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Jun 07 03:25:55 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 375894   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 343427   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 160288   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 117707   | 44.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 88.42%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 80077    | 41.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 83.32%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 157239   | 33.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.64%  |
| 21) 2-Butanone-d5              | 3.90    | 46    | 179902   | 105.68   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 105.68% |
| 24) Chloroform-d               | 4.37    | 84    | 239901   | 48.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.02%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 172428   | 51.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.08% |
| 32) Benzene-d6                 | 5.07    | 84    | 484866   | 52.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.42% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 151498   | 52.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 105.70% |
| 41) Toluene-d8                 | 7.34    | 98    | 432351   | 51.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.50% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 68380    | 48.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 97.90%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 129981   | 105.88   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 105.88% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 191617   | 49.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.58%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 168990   | 56.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 112.20% |

## Target Compounds

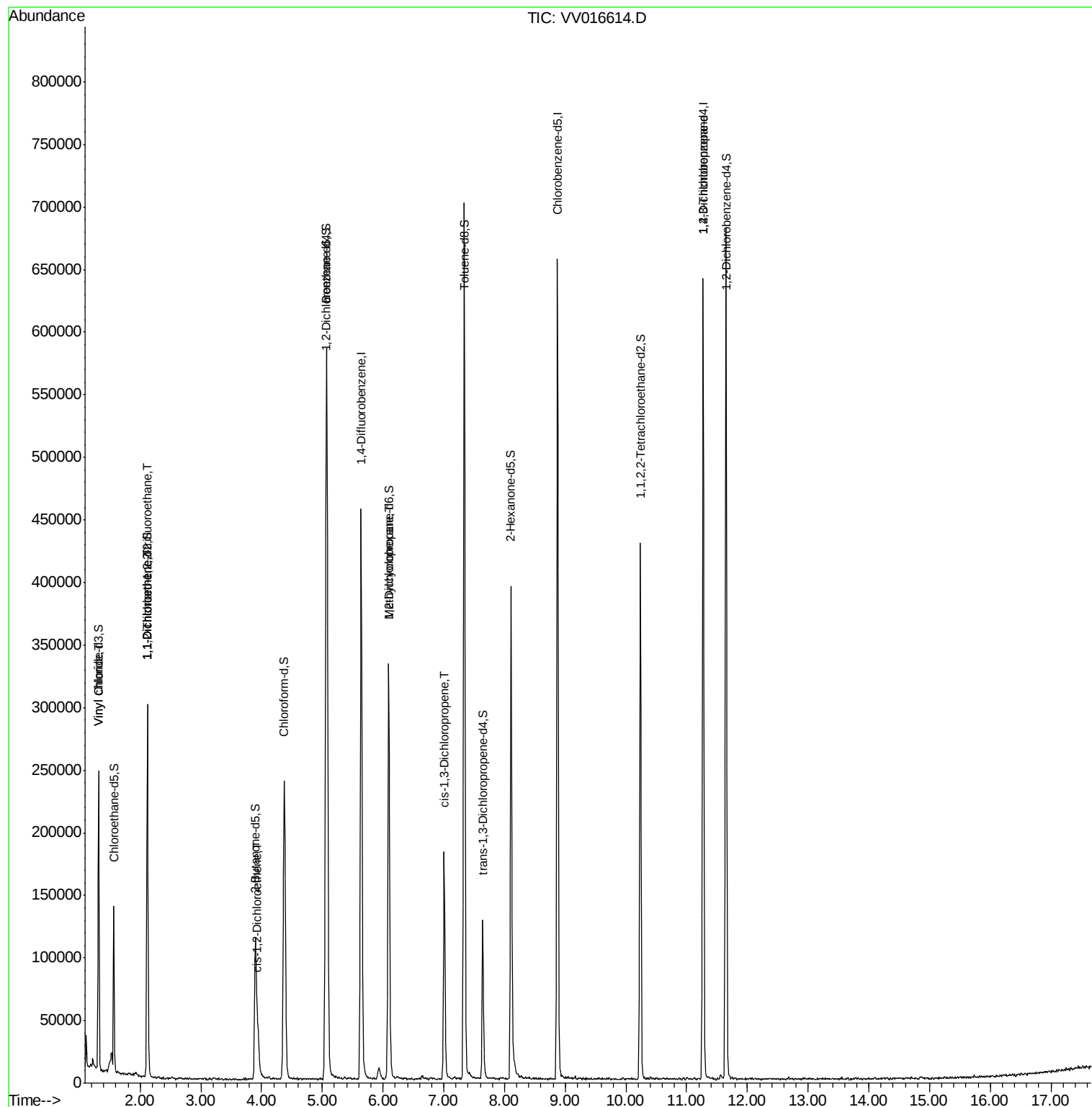
|                                |       |     |       |        | Ovalue    |
|--------------------------------|-------|-----|-------|--------|-----------|
| 5) Vinyl chloride              | 1.32  | 62  | 32723 | 11.334 | ug/L 94   |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 1559  | 0.719  | ug/L # 21 |
| 12) 1,1-Dichloroethene         | 2.12  | 96  | 1737  | 0.832  | ug/L # 1  |
| 20) cis-1,2-Dichloroethene     | 3.94  | 96  | 14887 | 5.239  | ug/L 92   |
| 35) Methylcyclohexane          | 6.09  | 83  | 37872 | 9.956  | ug/L # 18 |
| 39) cis-1,3-Dichloropropene    | 7.01  | 75  | 4844  | 1.262  | ug/L # 56 |
| 59) 1,2,3-Trichloropropane     | 11.27 | 75  | 18338 | 5.582  | ug/L 90   |

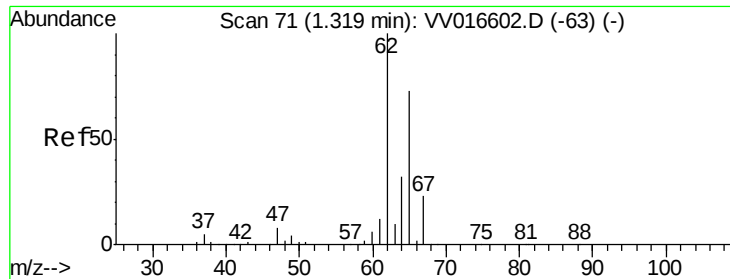
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV060620\  
Data File : VV016614.D  
Acq On : 07 Jun 2020 02:09  
Operator : SY/MD  
Sample : L2875-13  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
ETTY3

Quant Time: Jun 07 03:27:26 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060320WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sun Jun 07 03:25:55 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 11.334 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016614.D

Acq: 07 Jun 2020 02:09

Instrument :

MSVOA\_V

ClientSampleId :

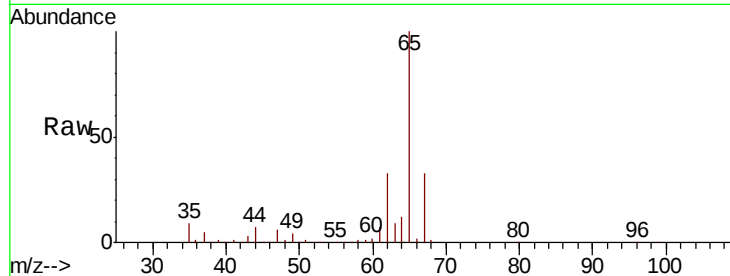
ETTY3

Tot Ion: 62 Resp: 32723

Ion Ratio Lower Upper

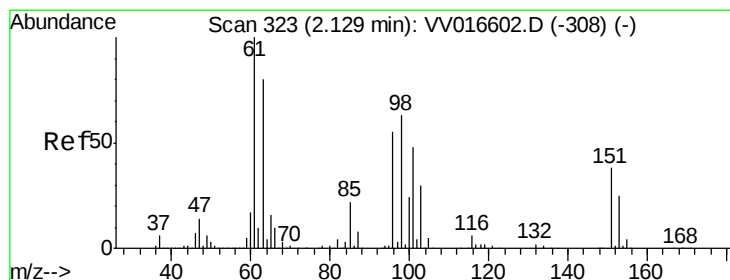
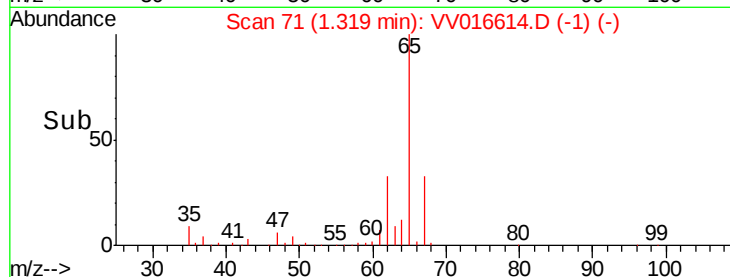
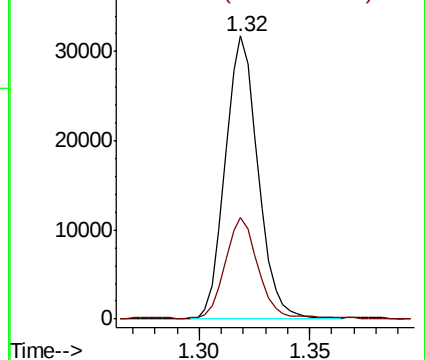
62 100

64 35.8 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#10

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

Concen: 0.719 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016614.D

Acq: 07 Jun 2020 02:09

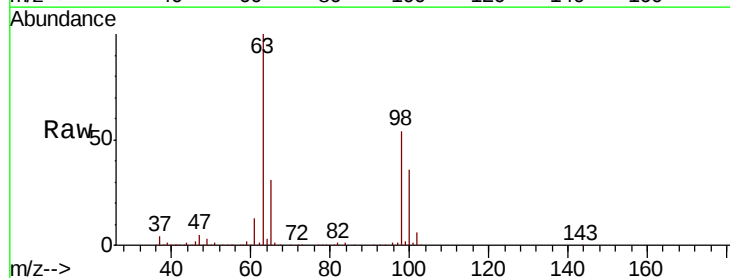
Tgt Ion: 101 Resp: 1559

Ion Ratio Lower Upper

101 100

85 4.4 35.6 53.4#

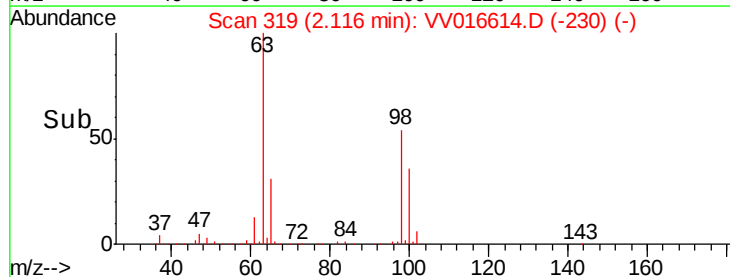
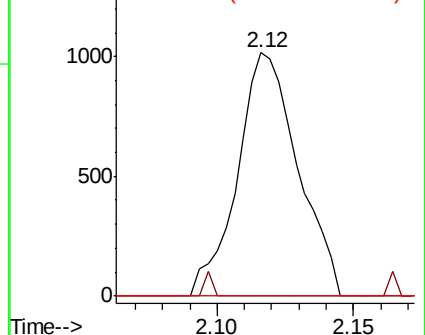
151 0.0 61.8 92.8#

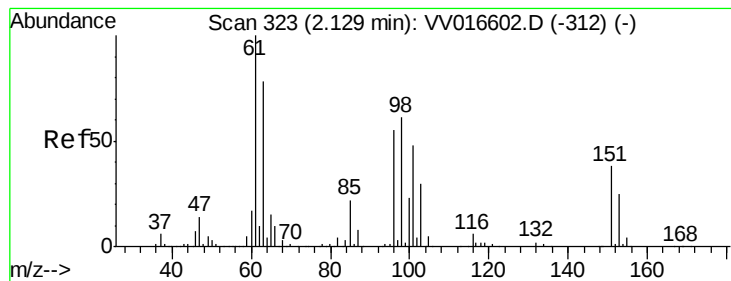


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.832 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV016614.D

Acq: 07 Jun 2020 02:09

Instrument :

MSVOA\_V

ClientSampleId :

ETTY3

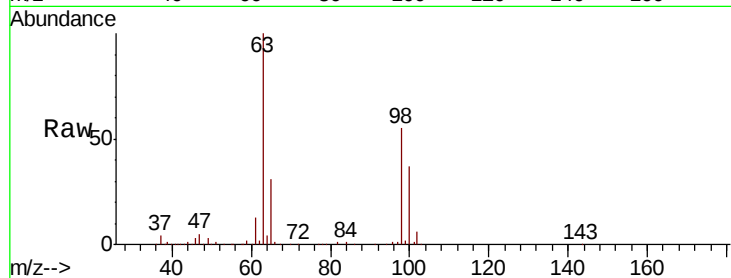
Tot Ion: 96 Resp: 1737

Ion Ratio Lower Upper

96 100

61 1265.9 125.5 233.1#

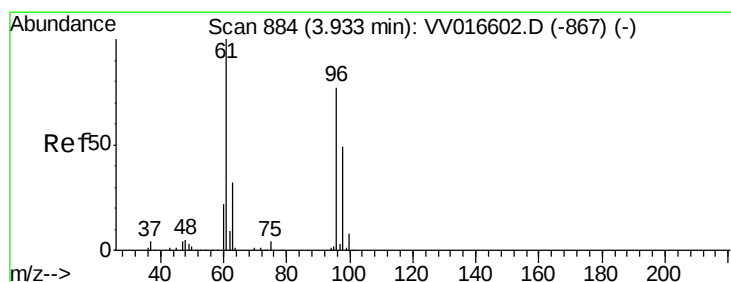
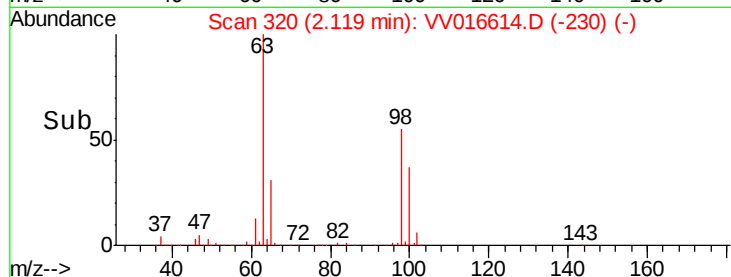
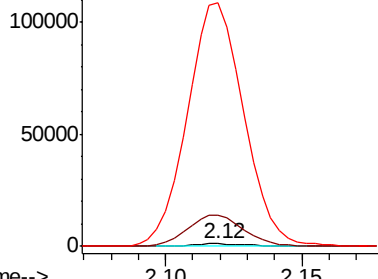
63 9783.8 104.0 193.1#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 5.239 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV016614.D

Acq: 07 Jun 2020 02:09

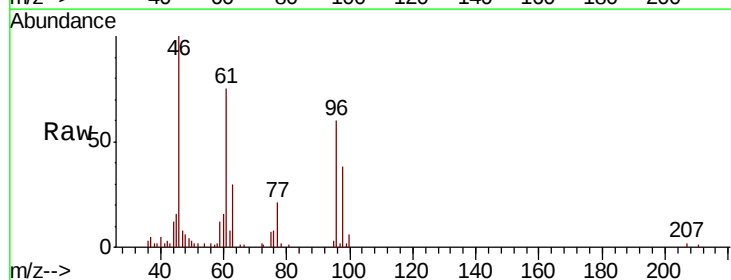
Tgt Ion: 96 Resp: 14887

Ion Ratio Lower Upper

96 100

61 124.3 93.4 173.4

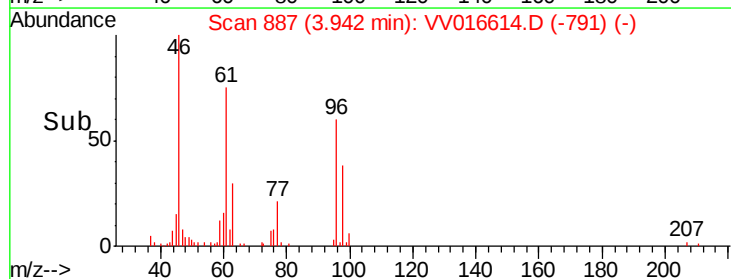
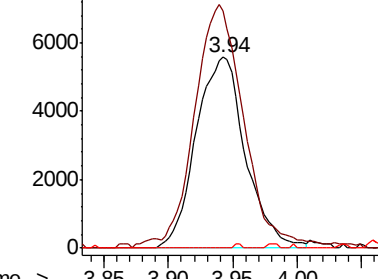
68 0.0 0.0 0.0

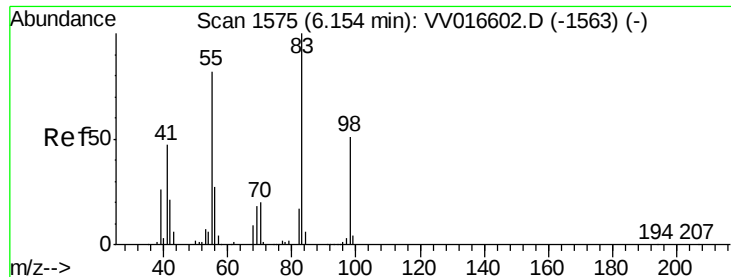


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

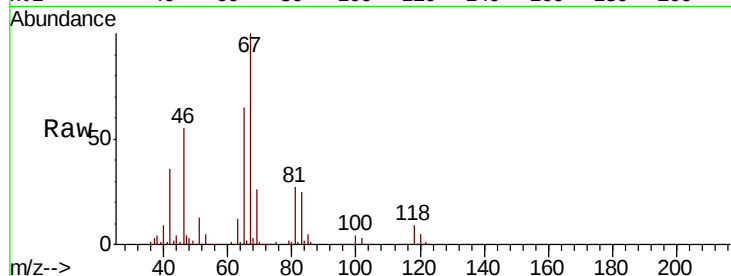




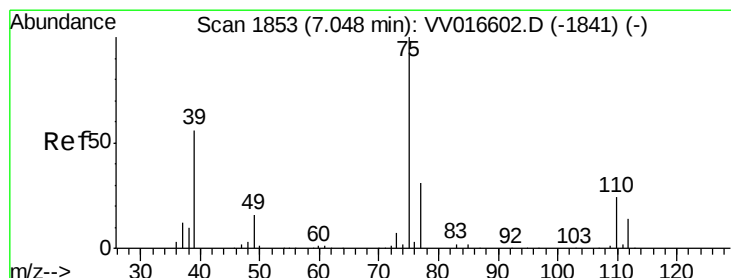
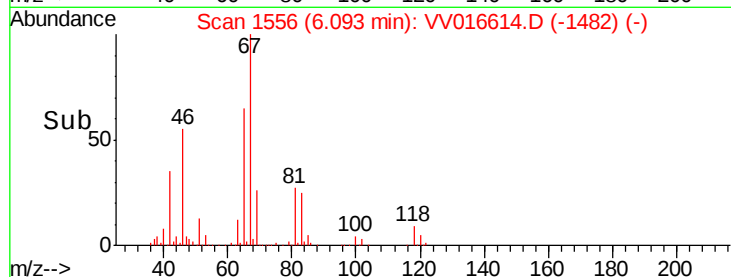
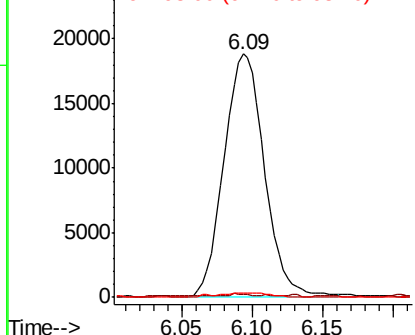
#35  
Methvlcvclohexane  
Concen: 9.956 ug/L  
RT: 6.09 min Scan# 1556  
Delta R.T. -0.06 min  
Lab File: VV016614.D  
Acq: 07 Jun 2020 02:09

Instrument :  
MSVOA\_V  
ClientSampleId :  
ETTY3

Tot Ion: 83 Resp: 37872  
Ion Ratio Lower Upper  
83 100  
55 0.3 63.4 95.0#  
98 1.5 39.4 59.0#

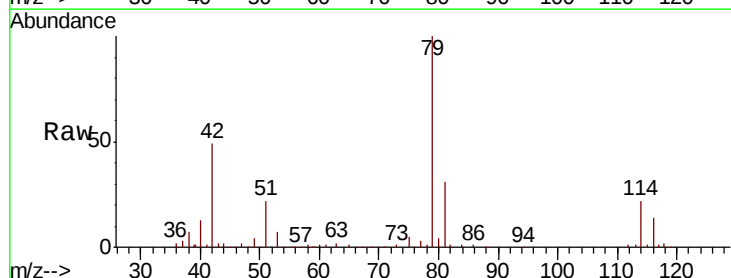


Abundance Ion 83.00 (82.70 to 83.70): VV0  
Ion 55.00 (54.70 to 55.70): VV0  
Ion 98.00 (97.70 to 98.70): VV0

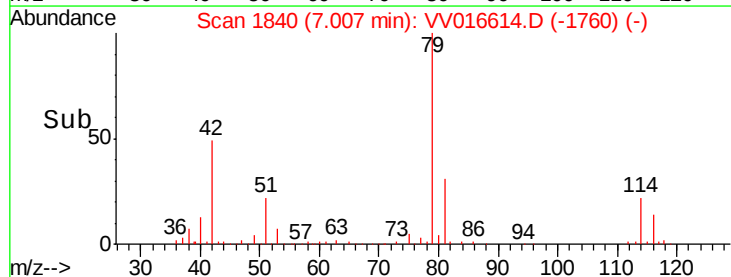
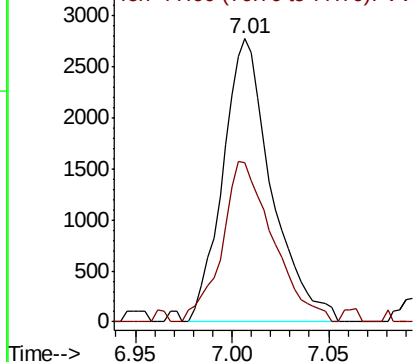


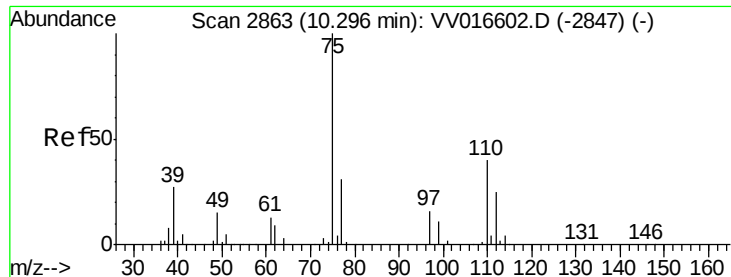
#39  
cis-1,3-Dichloropropene  
Concen: 1.262 ug/L  
RT: 7.01 min Scan# 1840  
Delta R.T. -0.04 min  
Lab File: VV016614.D  
Acq: 07 Jun 2020 02:09

Tgt Ion: 75 Resp: 4844  
Ion Ratio Lower Upper  
75 100  
77 56.1 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VV0  
Ion 77.00 (76.70 to 77.70): VV0





#59

1,2,3-Trichloropropane

Concen: 5.582 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV016614.D

Acq: 07 Jun 2020 02:09

Instrument :

MSVOA\_V

ClientSampleId :

ETTY3

Tot Ion: 75 Resp: 18338

Ion Ratio Lower Upper

75 100

77 39.2 26.6 40.0

