

Data File : VV011485.D  
Acq On : 14 Jun 2019 04:00  
Operator : SY/MD  
Sample : K3313-10  
Misc : 25ML/MSVOA\_V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
COLZ0

Quant Time: Jun 14 06:11:02 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR060419WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jun 14 06:06:48 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 126249   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 112867   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 40548    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 48445    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 101.20% |
| 7) Chloroethane-d5             | 1.58   | 69    | 38847    | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 97.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 79904    | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 83.60%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 113808   | 52.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 105.68% |
| 24) Chloroform-d               | 4.40   | 84    | 88804    | 5.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.60% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 49689    | 5.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 109.20% |
| 32) Benzene-d6                 | 5.10   | 84    | 176974   | 5.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 104.80% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 54340    | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 104.40% |
| 41) Toluene-d8                 | 7.36   | 98    | 150113   | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.80%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 14585    | 3.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 73.60%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 85589    | 51.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 102.20% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 34668    | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 97.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 43713    | 5.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 109.20% |

#### Target Compounds

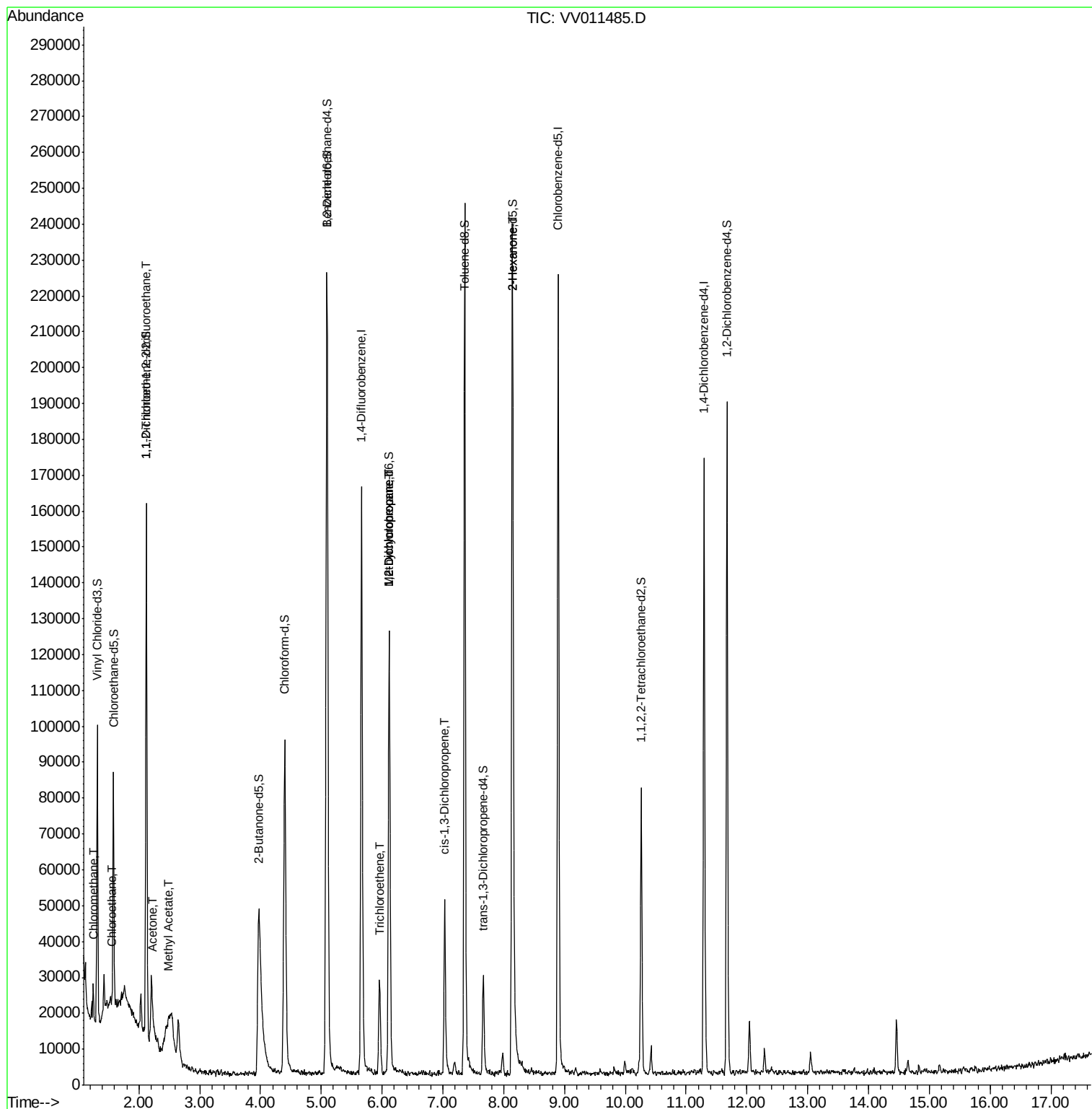
|                                |      |     |       |              | Qvalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 3) Chloromethane               | 1.25 | 50  | 6489  | 0.539 ug/L   | 99     |
| 8) Chloroethane                | 1.55 | 64  | 871   | 0.117 ug/L # | 63     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 891   | 0.109 ug/L # | 29     |
| 13) Acetone                    | 2.23 | 43  | 9955  | 6.894 ug/L   | 85     |
| 15) Methyl Acetate             | 2.48 | 43  | 3478  | 0.907 ug/L # | 55     |
| 34) Trichloroethene            | 5.96 | 95  | 8822  | 0.951 ug/L   | 90     |
| 35) Methylcyclohexane          | 6.12 | 83  | 13027 | 0.849 ug/L # | 16     |
| 37) 1,2-Dichloropropane        | 6.12 | 63  | 6690  | 0.748 ug/L # | 86     |
| 39) cis-1,3-Dichloropropene    | 7.03 | 75  | 1472  | 0.113 ug/L # | 54     |
| 48) 2-Hexanone                 | 8.14 | 43  | 12766 | 3.216 ug/L # | 73     |

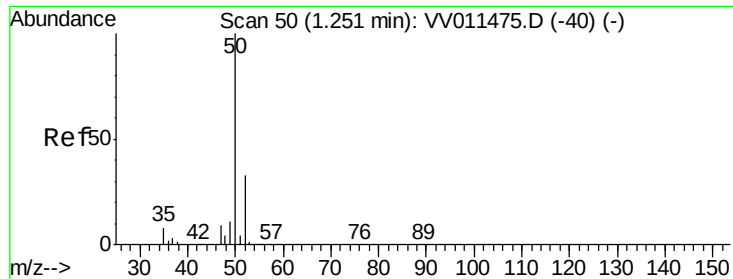
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.539 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV011485.D

Acq: 14 Jun 2019 04:00

Instrument :

MSVOA\_V

ClientSampleId :

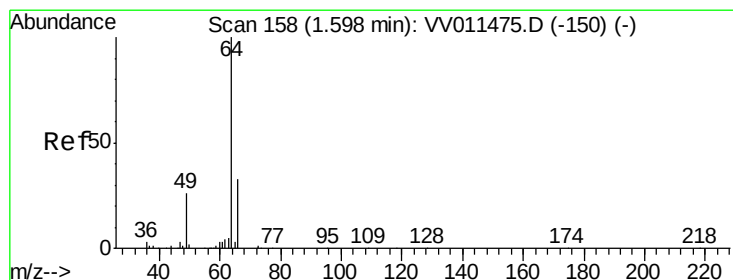
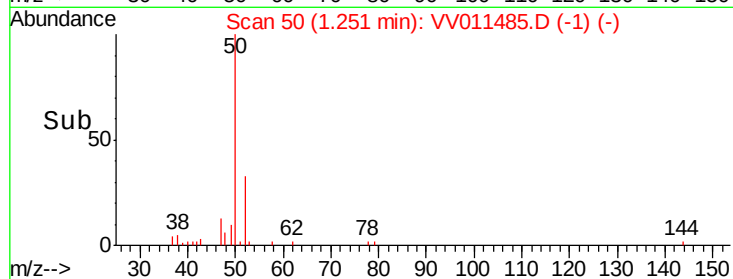
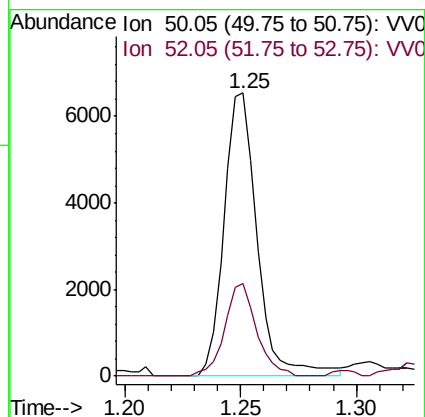
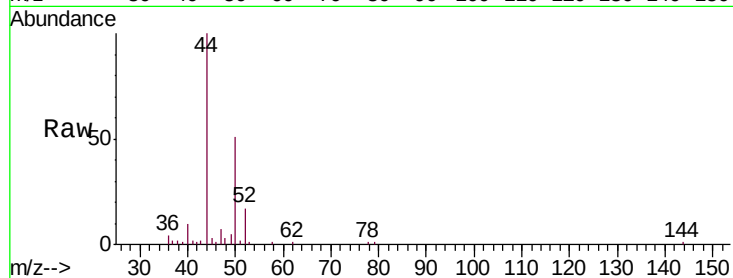
COLZ0

Tgt Ion: 50 Resp: 6489

Ion Ratio Lower Upper

50 100

52 32.6 22.3 41.5



#8

Chloroethane

Concen: 0.117 ug/L

RT: 1.55 min Scan# 144

Delta R.T. -0.05 min

Lab File: VV011485.D

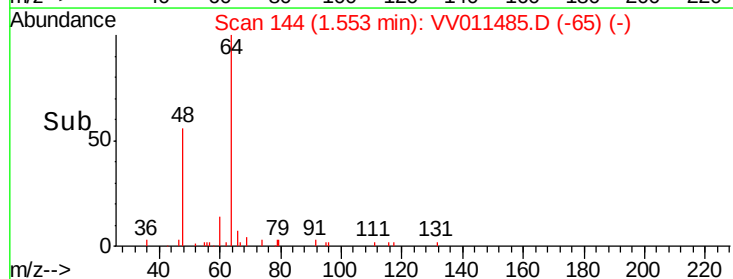
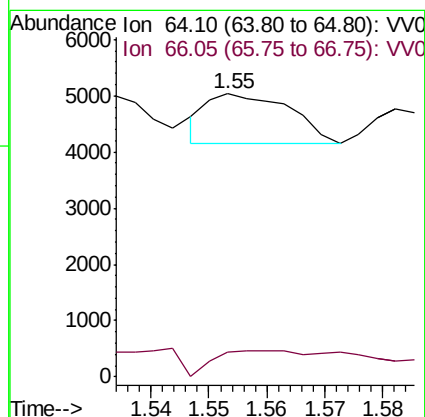
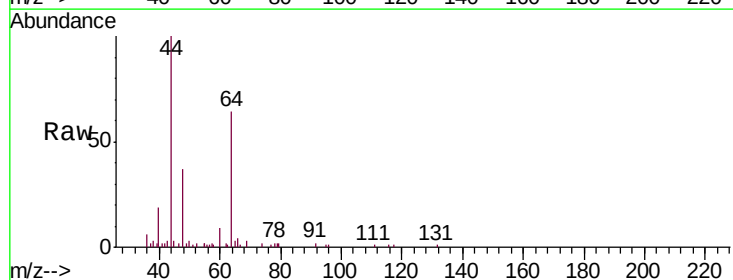
Acq: 14 Jun 2019 04:00

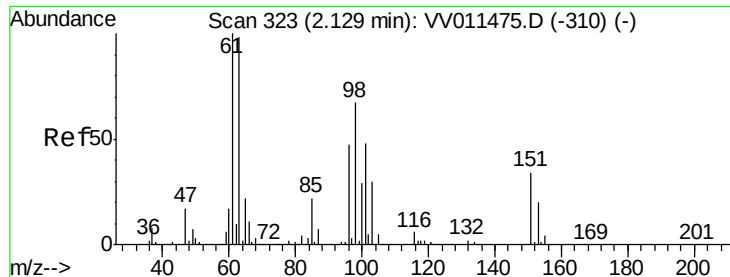
Tgt Ion: 64 Resp: 871

Ion Ratio Lower Upper

64 100

66 8.6 19.4 36.0#





#10

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

Concen: 0.109 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV011485.D

Acq: 14 Jun 2019 04:00

Instrument :

MSVOA\_V

ClientSampleId :

COLZ0

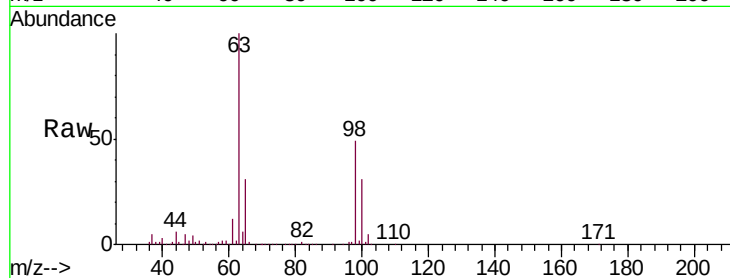
Tgt Ion: 101 Resp: 891

Ion Ratio Lower Upper

101 100

85 13.4 35.5 53.3#

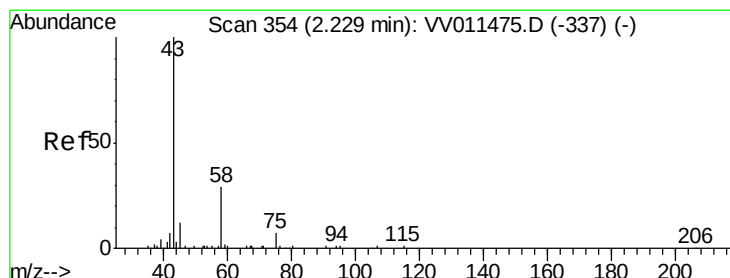
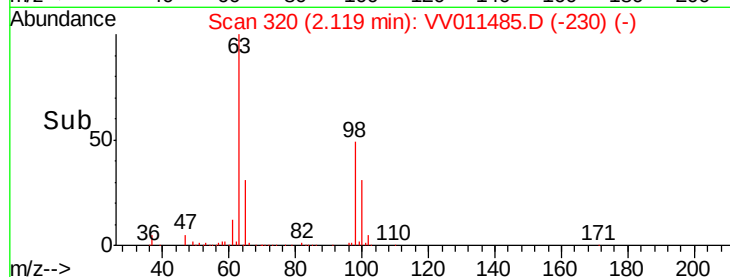
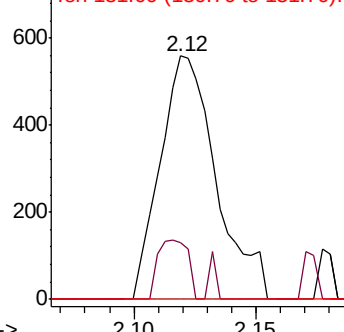
151 0.0 56.9 85.3#



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



#13

Acetone

Concen: 6.894 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV011485.D

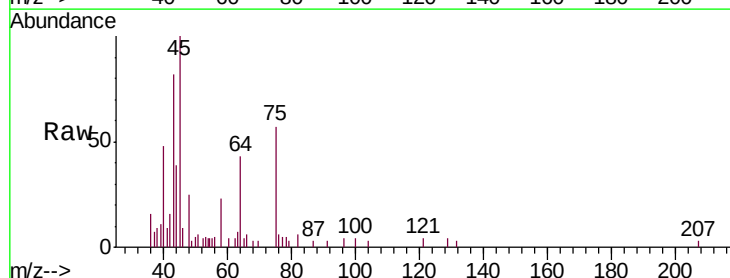
Acq: 14 Jun 2019 04:00

Tgt Ion: 43 Resp: 9955

Ion Ratio Lower Upper

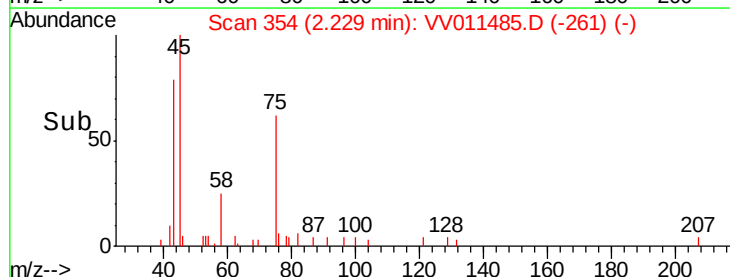
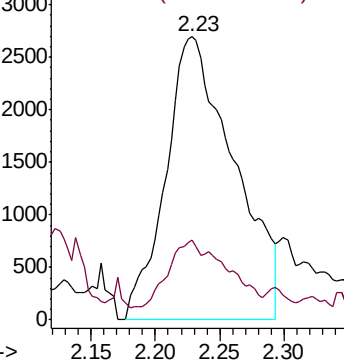
43 100

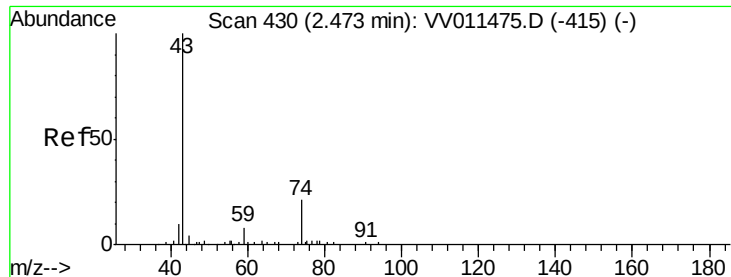
58 19.9 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#15

Methyl Acetate

Concen: 0.907 ug/L

RT: 2.48 min Scan# 433

Delta R.T. 0.01 min

Lab File: VV011485.D

Acq: 14 Jun 2019 04:00

Instrument :

MSVOA\_V

ClientSampleId :

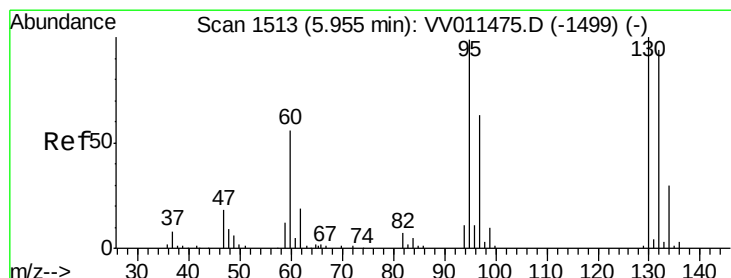
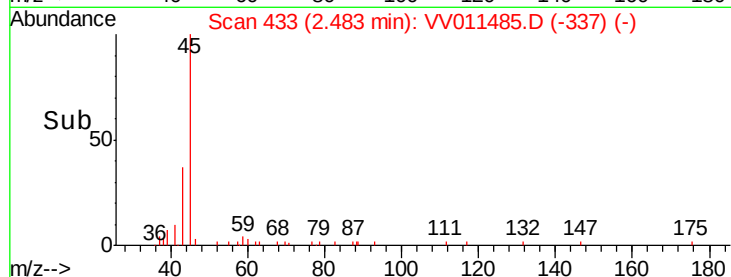
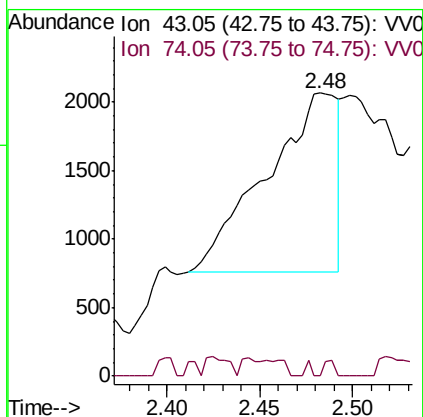
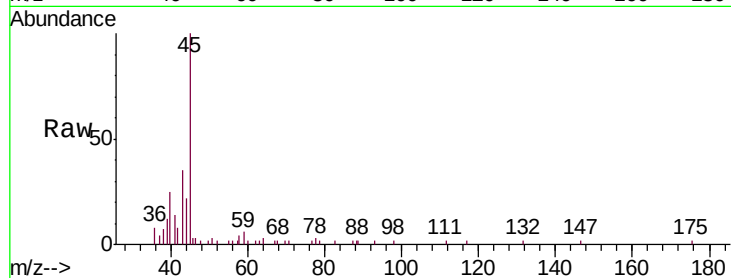
COLZ0

Tgt Ion: 43 Resp: 3478

Ion Ratio Lower Upper

43 100

74 1.2 18.5 27.7#



#34

Trichloroethene

Concen: 0.951 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011485.D

Acq: 14 Jun 2019 04:00

Tgt Ion: 95 Resp: 8822

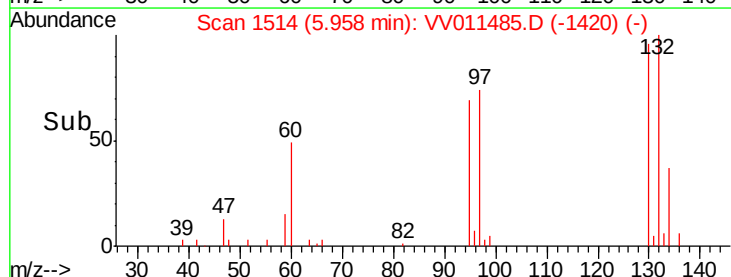
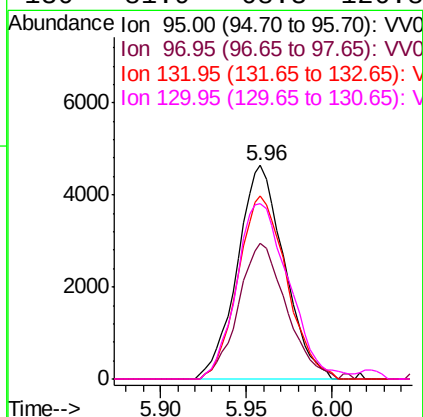
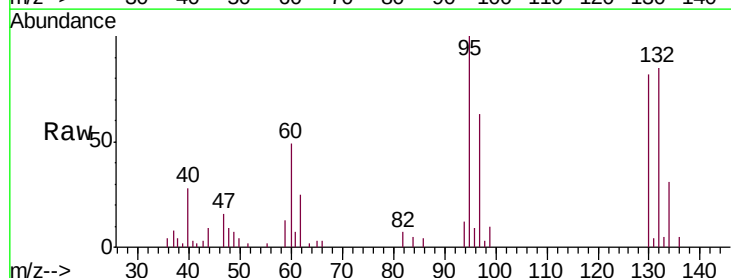
Ion Ratio Lower Upper

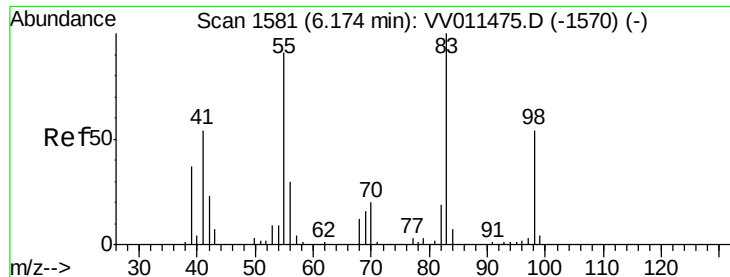
95 100

97 63.4 45.8 85.2

132 85.5 66.4 123.2

130 81.9 68.3 126.8

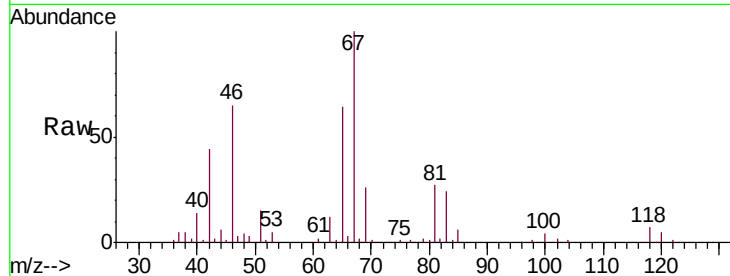




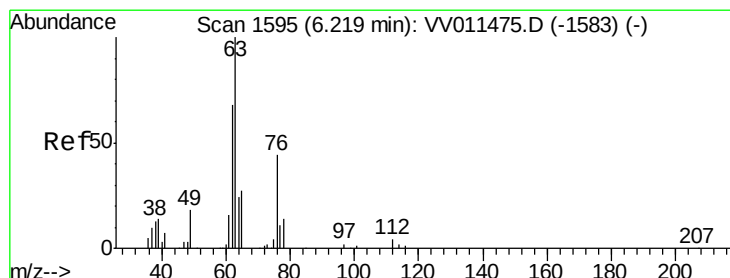
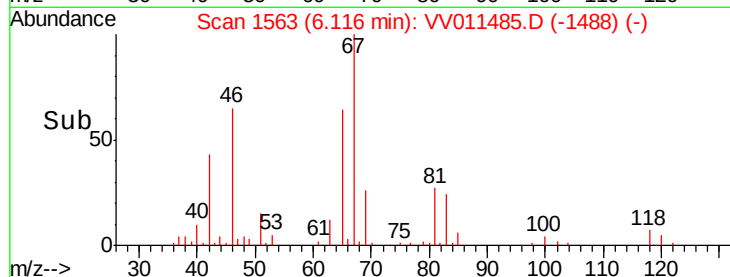
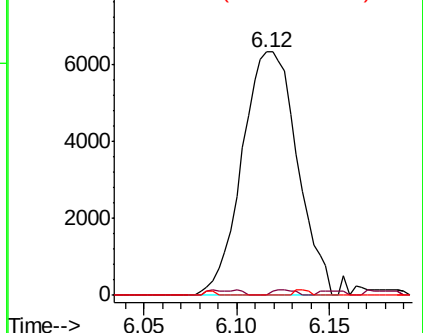
#35  
Methylcyclohexane  
Concen: 0.849 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.06 min  
Lab File: VV011485.D  
Acq: 14 Jun 2019 04:00

Instrument :  
MSVOA\_V  
ClientSampleId :  
COLZ0

Tgt Ion: 83 Resp: 13027  
Ion Ratio Lower Upper  
83 100  
55 1.0 67.0 100.6#  
98 0.6 40.0 60.0#

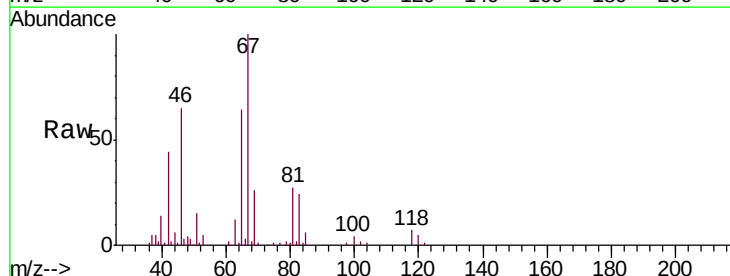


Abundance Ion 83.15 (82.85 to 83.85): VV0  
Ion 55.10 (54.80 to 55.80): VV0  
Ion 98.15 (97.85 to 98.85): VV0

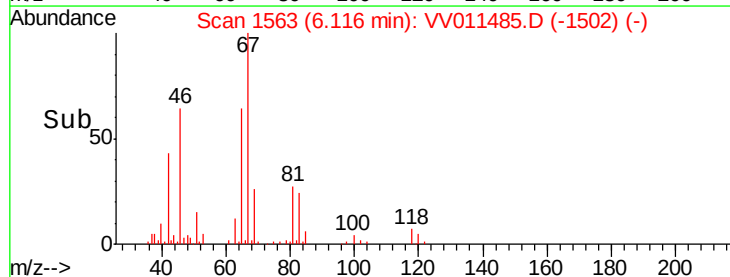
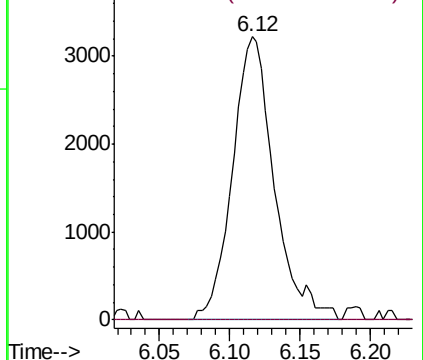


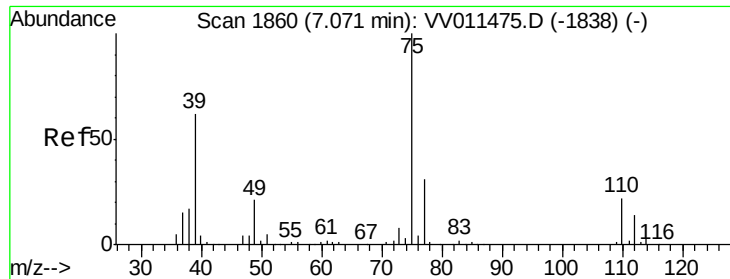
#37  
1,2-Dichloropropane  
Concen: 0.748 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.10 min  
Lab File: VV011485.D  
Acq: 14 Jun 2019 04:00

Tgt Ion: 63 Resp: 6690  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0  
Ion 112.10 (111.80 to 112.80): V

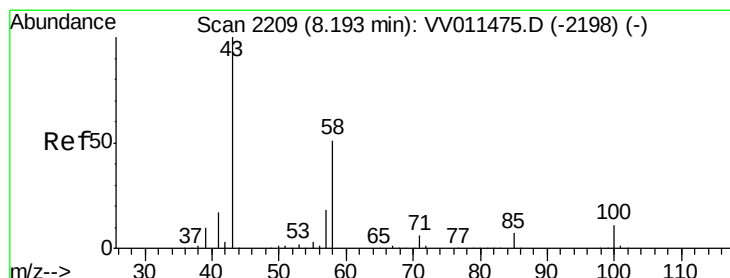
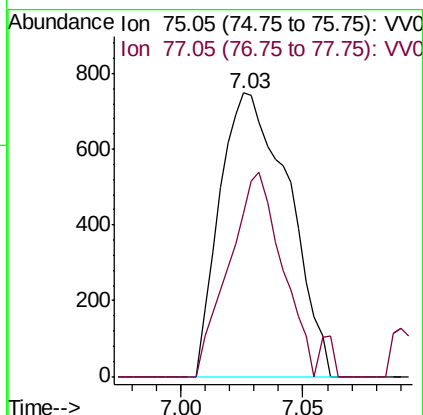
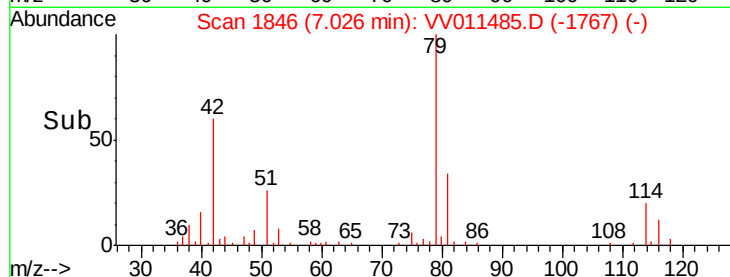
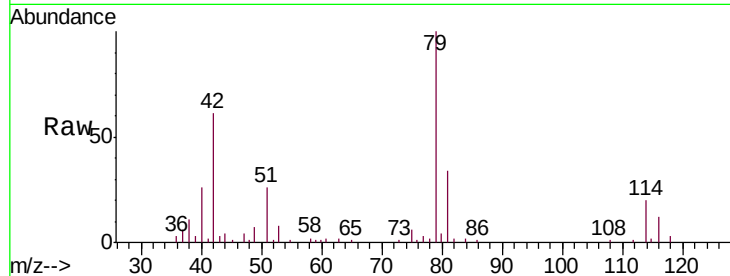




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.113 ug/L  
 RT: 7.03 min Scan# 1846  
 Delta R.T. -0.04 min  
 Lab File: VV011485.D  
 Acq: 14 Jun 2019 04:00

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 COLZ0

Tgt Ion: 75 Resp: 1472  
 Ion Ratio Lower Upper  
 75 100  
 77 57.5 22.2 41.2#



#48  
 2-Hexanone  
 Concen: 3.216 ug/L  
 RT: 8.14 min Scan# 2193  
 Delta R.T. -0.05 min  
 Lab File: VV011485.D  
 Acq: 14 Jun 2019 04:00

Tgt Ion: 43 Resp: 12766  
 Ion Ratio Lower Upper  
 43 100  
 58 30.4 41.4 62.0#  
 57 26.9 15.0 22.4#  
 100 0.7 9.0 13.4#

