

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100220\  
 Data File : VV018634.D  
 Acq On : 02 Oct 2020 18:47  
 Operator : SY/MD  
 Sample : L4237-05DL 10X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E0ACODL

Quant Time: Oct 03 02:10:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM092920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 03 02:08:43 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 320149   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 314138   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 155594   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 80975    | 43.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 86.26%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 78836    | 50.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 101.56% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 139707   | 36.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 73.04%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 114647   | 81.86    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 81.86%  |
| 24) Chloroform-d               | 4.38    | 84    | 172508   | 42.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.98%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 118764   | 46.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.16%  |
| 32) Benzene-d6                 | 5.07    | 84    | 337513   | 42.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.84%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 104709   | 43.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 87.10%  |
| 41) Toluene-d8                 | 7.34    | 98    | 306602   | 40.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 81.92%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 52721    | 40.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 81.18%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 63973    | 70.05    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 70.05%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 118642   | 37.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 74.44%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 135193   | 45.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.36%  |

## Target Compounds

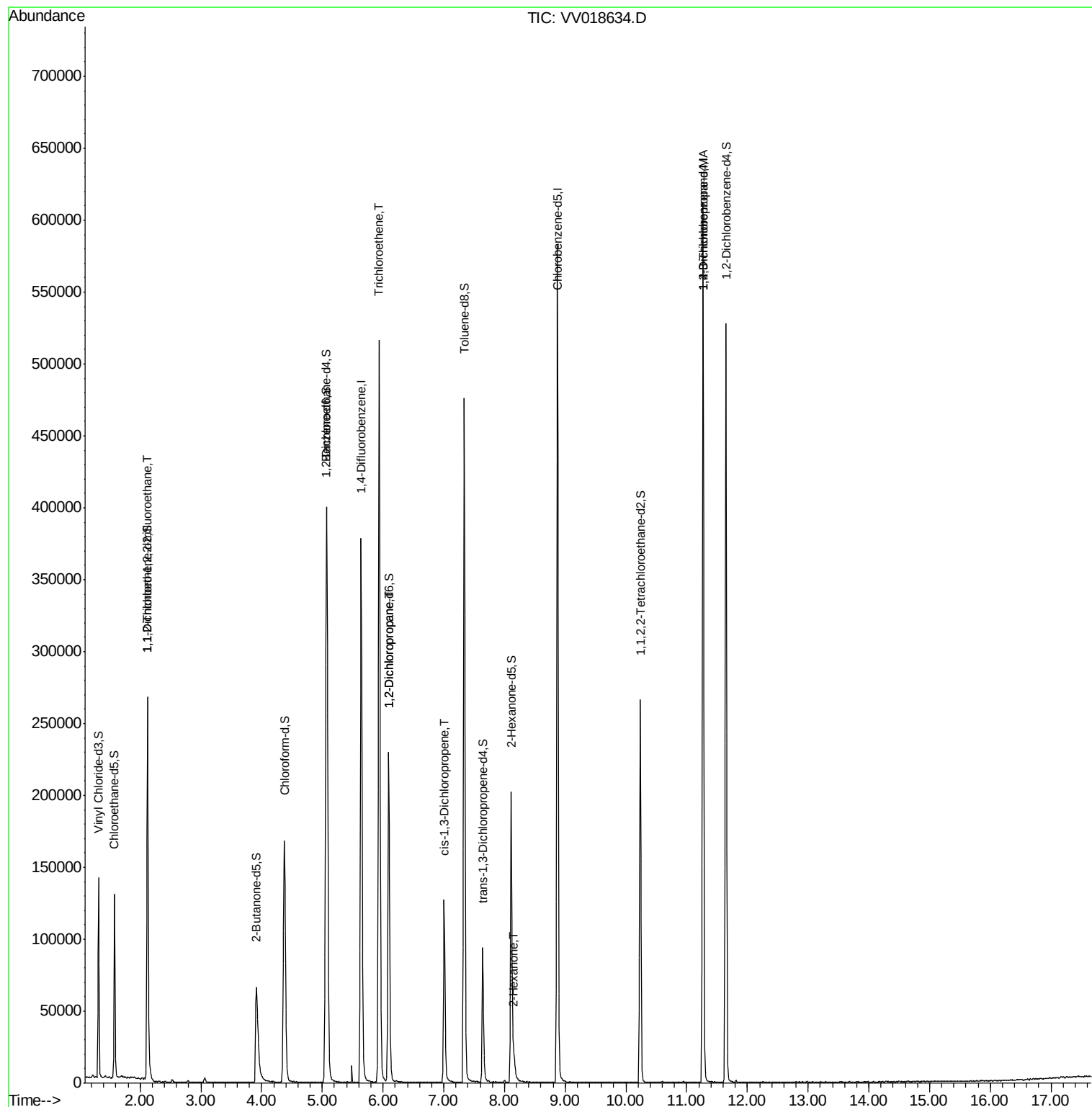
|                                |       |     |        |              | Ovalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 1421   | 0.682 ug/L # | 17     |
| 34) Trichloroethene            | 5.94  | 95  | 171272 | 63.924 ug/L  | 99     |
| 37) 1,2-Dichloropropane        | 6.09  | 63  | 12636  | 5.337 ug/L # | 85     |
| 39) cis-1,3-Dichloropropene    | 7.01  | 75  | 3372   | 0.908 ug/L # | 59     |
| 48) 2-Hexanone                 | 8.16  | 43  | 8066   | 3.384 ug/L # | 69     |
| 59) 1,2,3-Trichloropropane     | 11.27 | 75  | 17507  | 6.079 ug/L   | 90     |

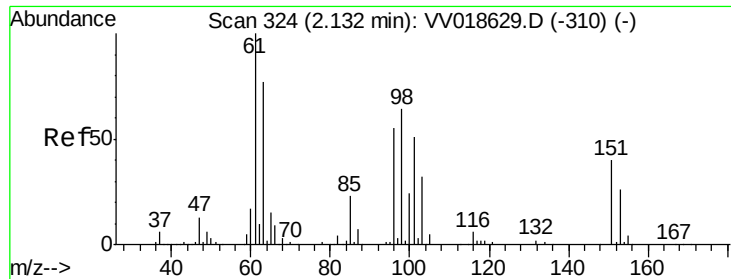
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L4237-05DL 10X  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
E0AC0DL

Quant Time: Oct 03 02:10:41 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM092920WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Oct 03 02:08:43 2020  
Response via : Initial Calibration





#10

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

Concen: 0.682 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018634.D

Acq: 02 Oct 2020 18:47

Instrument :

MSVOA\_V

ClientSampleId :

E0ACODL

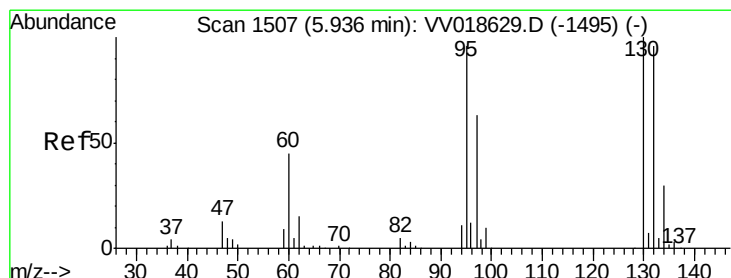
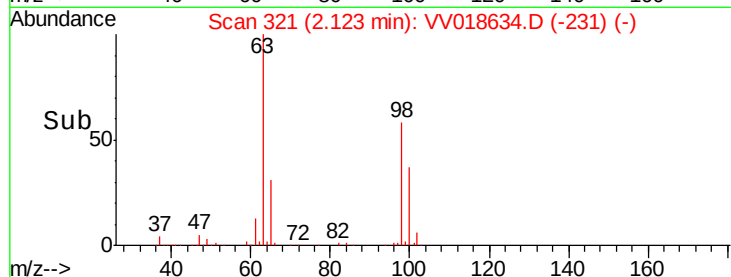
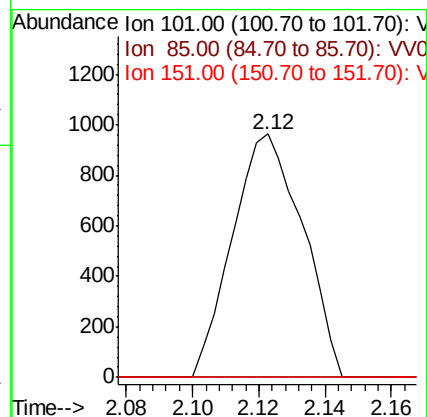
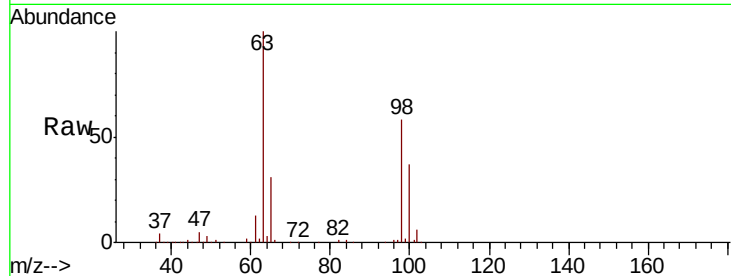
Tot Ion:101 Resp: 1421

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

151 0.0 64.3 96.5#



#34

Trichloroethene

Concen: 63.924 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018634.D

Acq: 02 Oct 2020 18:47

Tgt Ion: 95 Resp: 171272

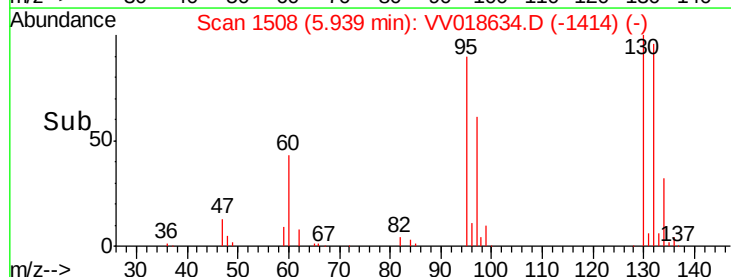
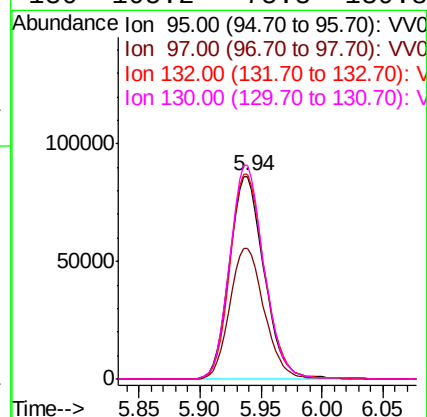
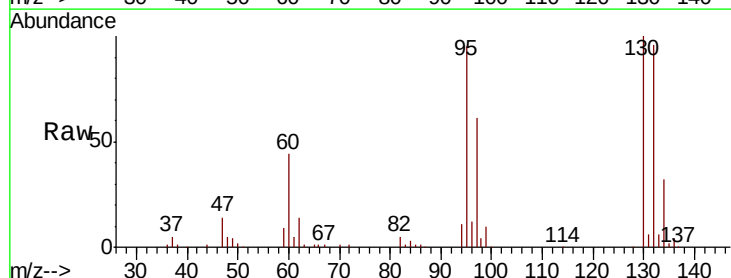
Ion Ratio Lower Upper

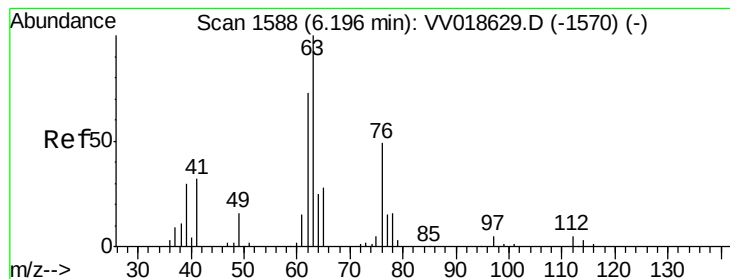
95 100

97 64.6 45.9 85.3

132 100.8 70.8 131.4

130 105.2 75.3 139.8





#37

1,2-Dichloropropane

Concen: 5.337 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV018634.D

Acq: 02 Oct 2020 18:47

Instrument :

MSVOA\_V

ClientSampleId :

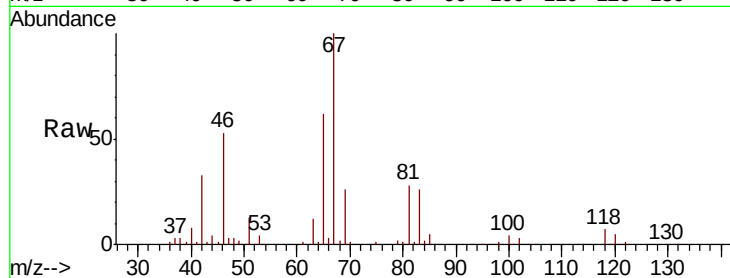
E0ACODL

Tot Ion: 63 Resp: 12636

Ion Ratio Lower Upper

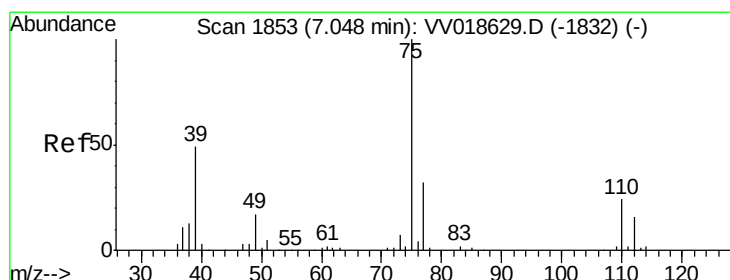
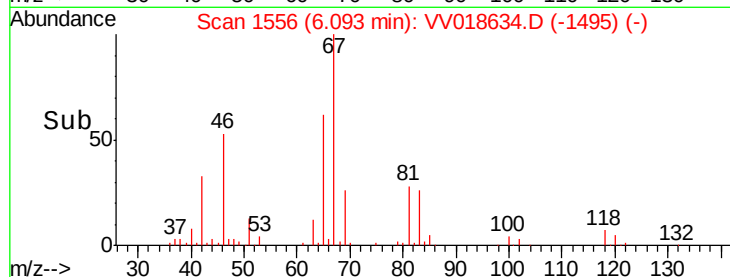
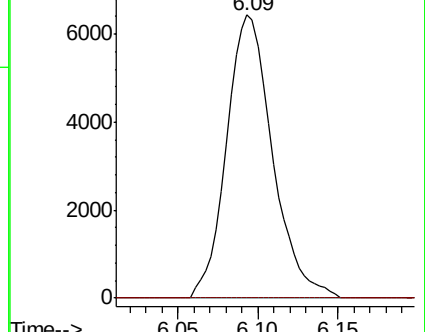
63 100

112 0.0 3.9 5.9#



Abundance Ion 63.00 (62.70 to 63.70): VV018629.D (-1570) (-)

Ion 112.00 (111.70 to 112.70): VV018629.D (-1570) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.908 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV018634.D

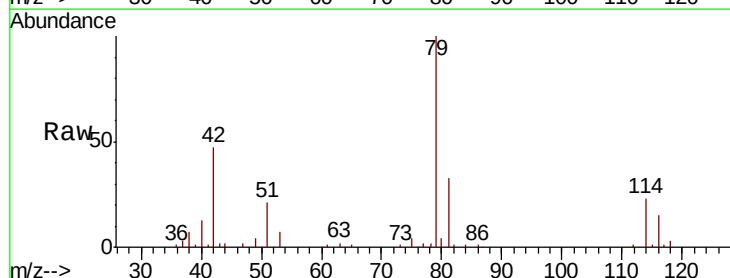
Acq: 02 Oct 2020 18:47

Tgt Ion: 75 Resp: 3372

Ion Ratio Lower Upper

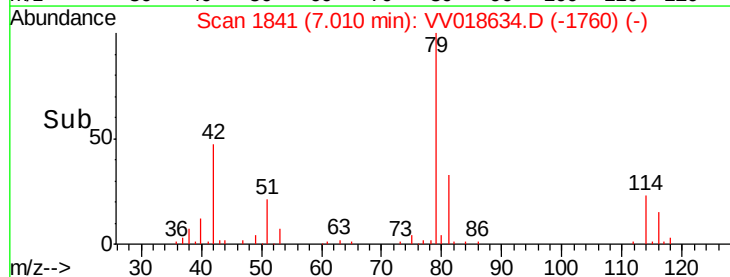
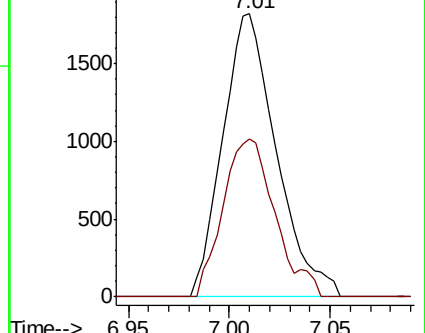
75 100

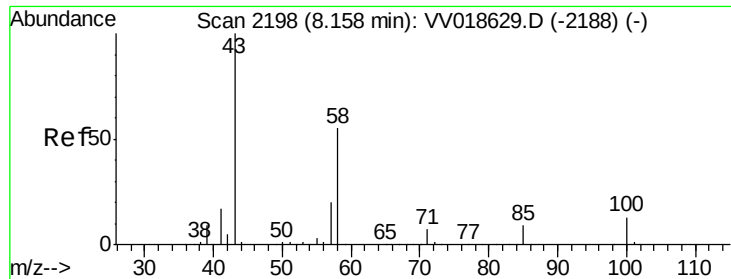
77 55.8 23.0 42.6#



Abundance Ion 75.00 (74.70 to 75.70): VV018629.D (-1832) (-)

Ion 77.00 (76.70 to 77.70): VV018629.D (-1832) (-)





#48

2-Hexanone

Concen: 3.384 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV018634.D

Acq: 02 Oct 2020 18:47

Instrument :  
MSVOA\_V  
ClientSampled :  
E0AC0DL

Tot Ion: 43 Resp: 8066

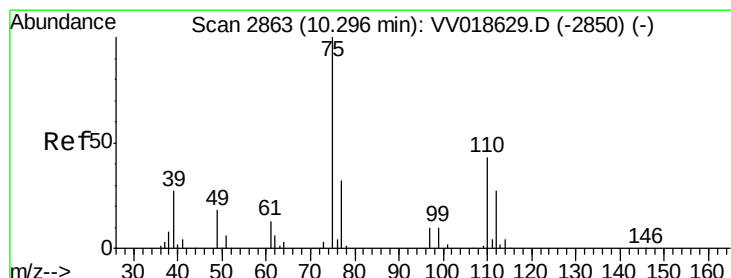
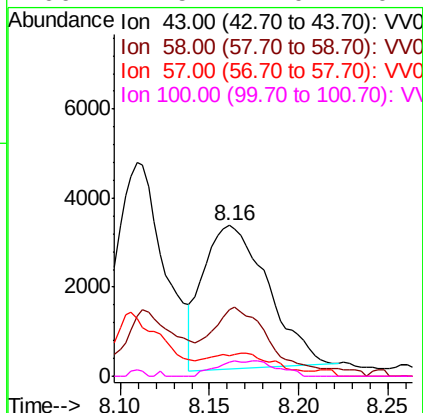
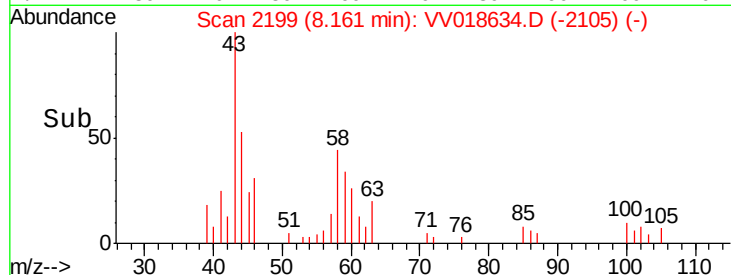
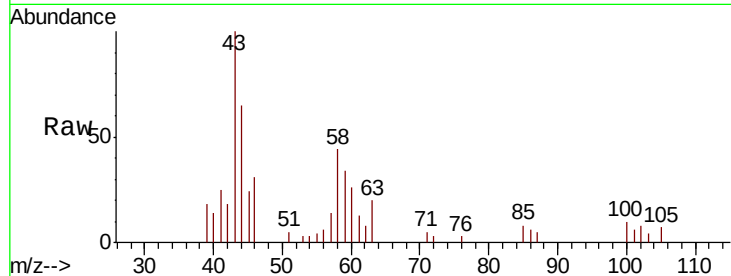
Ion Ratio Lower Upper

43 100

58 35.6 45.1 67.7#

57 0.0 15.7 23.5#

100 4.5 11.0 16.4#



#59

1,2,3-Trichloropropane

Concen: 6.079 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV018634.D

Acq: 02 Oct 2020 18:47

Tgt Ion: 75 Resp: 17507

Ion Ratio Lower Upper

75 100

77 37.4 25.4 38.0

