

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100220\  
 Data File : VW016752.D  
 Acq On : 02 Oct 2020 10:42  
 Operator : SY/VA  
 Sample : L4109-07  
 Misc : 5.01G/10ML/MSVOA W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 03 04:55:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM091520S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 03 04:48:41 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 627955   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 568948   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 273870   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.37   | 65    | 98487    | 16.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 64.80%  |
| 7) Chloroethane-d5             | 2.91   | 69    | 94035    | 18.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.80%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 158142   | 11.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 46.56%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 71773    | 43.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 86.62%  |
| 24) Chloroform-d               | 7.66   | 84    | 307676   | 23.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 93.68%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 154831   | 22.96    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 91.84%  |
| 29) Benzene-d6                 | 8.28   | 84    | 543019   | 21.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 85.12%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 165167   | 23.89    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 95.56%  |
| 37) Toluene-d8                 | 10.33  | 98    | 488491   | 19.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 77.84%  |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 68130    | 19.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 78.20%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 59040    | 46.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.88%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 147852   | 25.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 100.52% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 215142   | 24.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 98.36%  |

## Target Compounds

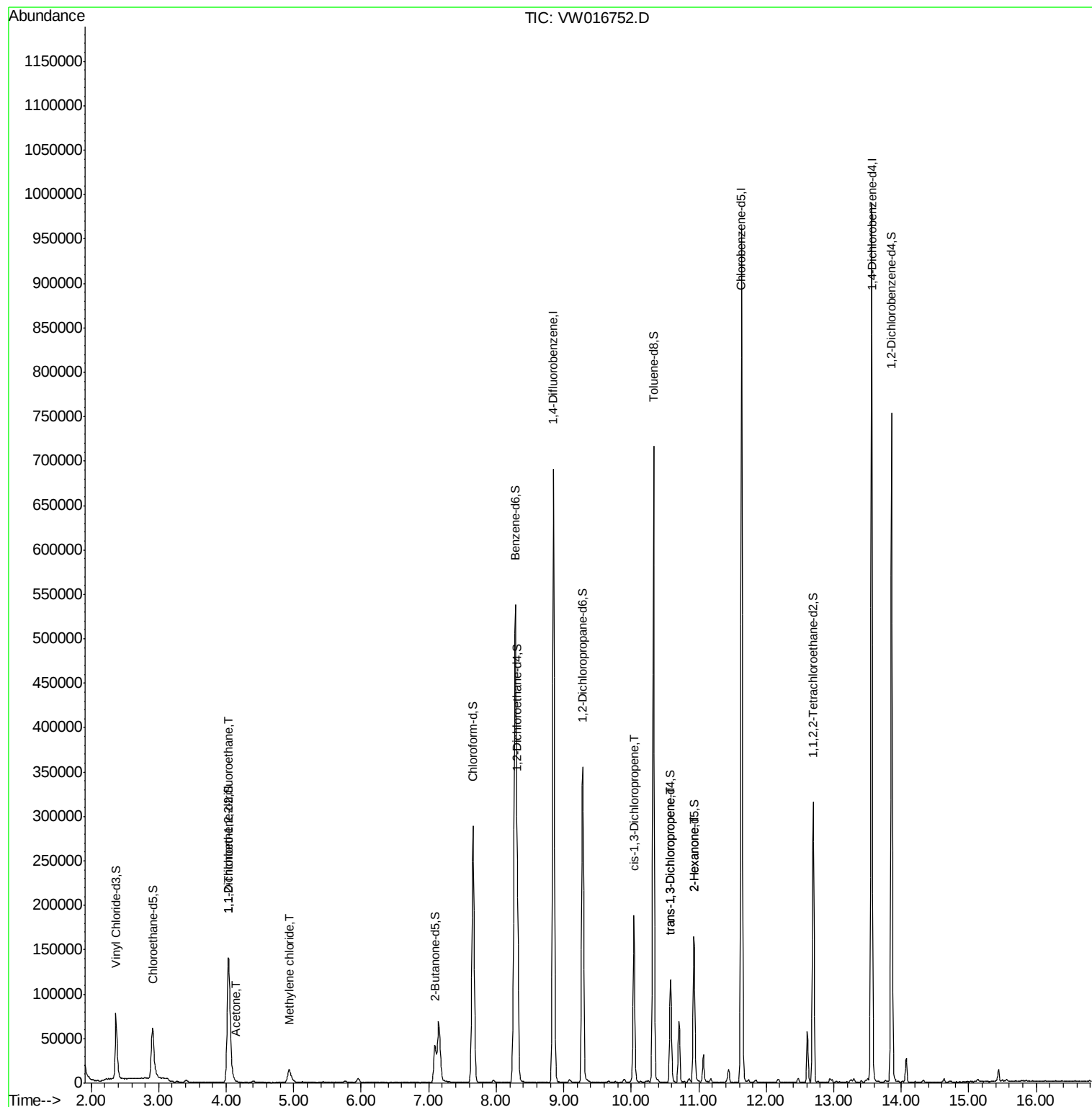
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.03  | 101 | 2039  | 0.252 ug/L # | 23     |
| 13) Acetone                    | 4.15  | 43  | 522   | 0.402 ug/L   | 71     |
| 16) Methylene chloride         | 4.93  | 84  | 13646 | 1.409 ug/L   | 92     |
| 42) cis-1,3-Dichloropropene    | 10.04 | 75  | 5447  | 0.450 ug/L # | 60     |
| 45) trans-1,3-Dichloropropene  | 10.59 | 75  | 3429  | 0.325 ug/L # | 82     |
| 49) 2-Hexanone                 | 10.93 | 43  | 6460  | 2.259 ug/L # | 69     |

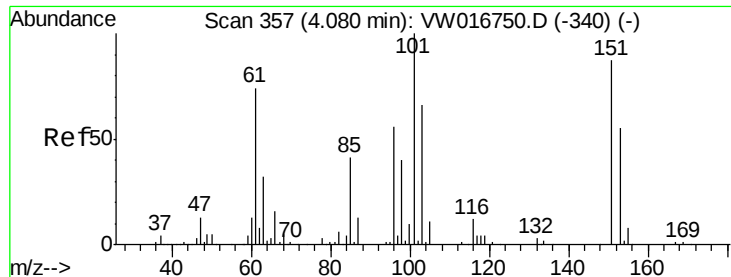
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Oct 03 04:55:57 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM091520S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Oct 03 04:48:41 2020  
Response via : Initial Calibration





#11

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

Concen: 0.252 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.05 min

Lab File: VW016752.D

Acq: 02 Oct 2020 10:42

Instrument :

MSVOA\_W

ClientSampleId :

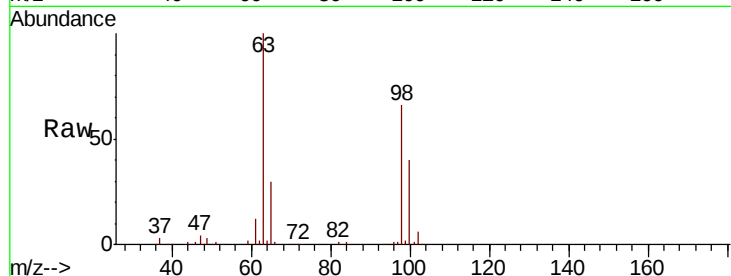
Tot Ion:101 Resp: 2039

Ion Ratio Lower Upper

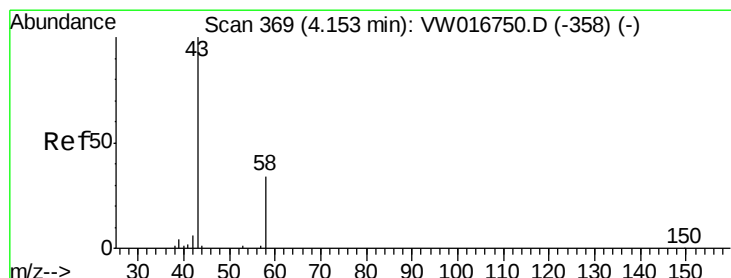
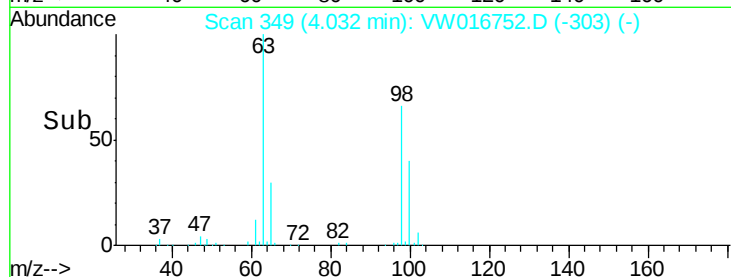
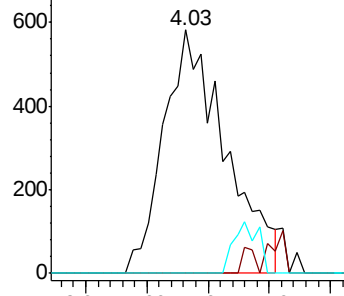
101 100

85 2.2 32.6 49.0#

151 6.5 66.0 99.0#



Abundance Ion 101.00 (100.70 to 101.70): V  
Ion 85.00 (84.70 to 85.70): VW  
Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 0.402 ug/L

RT: 4.15 min Scan# 368

Delta R.T. -0.01 min

Lab File: VW016752.D

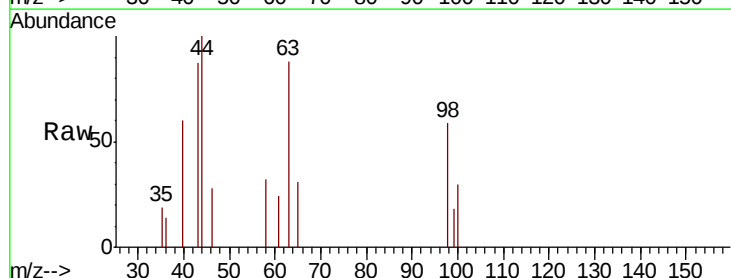
Acq: 02 Oct 2020 10:42

Tgt Ion: 43 Resp: 522

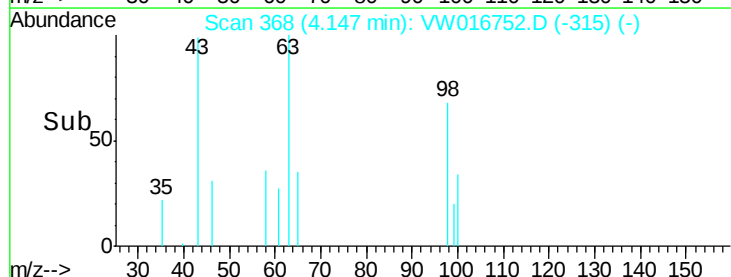
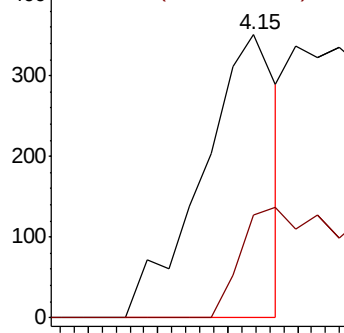
Ion Ratio Lower Upper

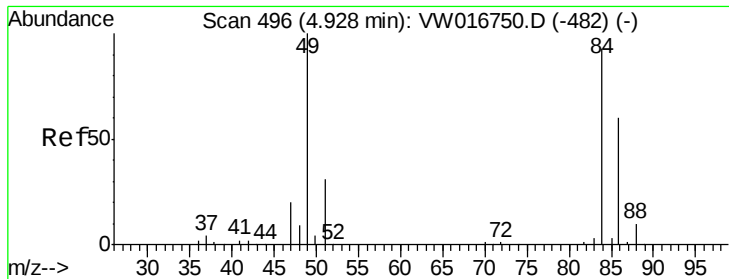
43 100

58 45.6 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW  
Ion 58.00 (57.70 to 58.70): VW

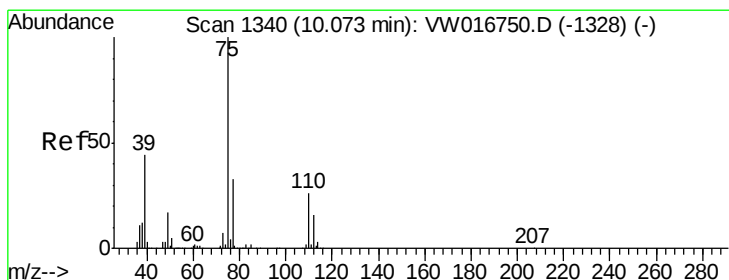
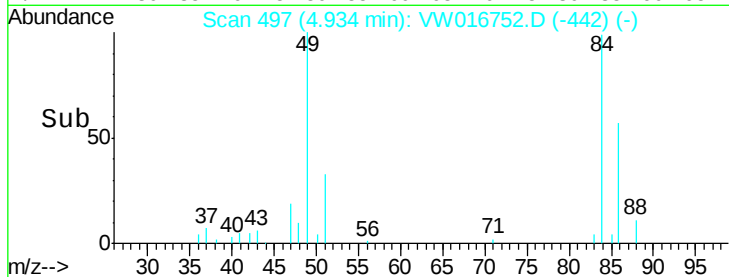
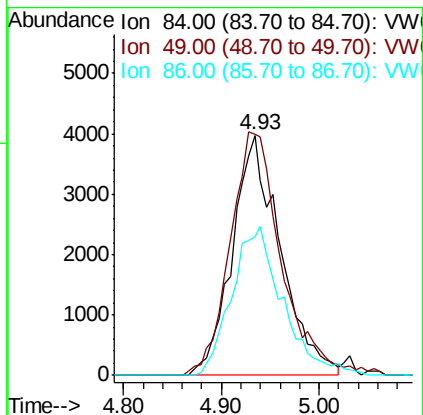
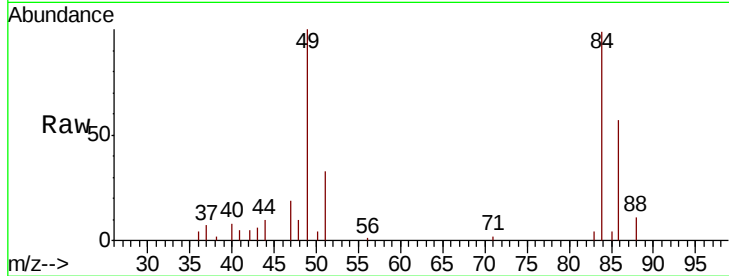




#16  
Methylene chloride  
Concen: 1.409 ug/L  
RT: 4.93 min Scan# 497  
Delta R.T. 0.01 min  
Lab File: VW016752.D  
Acq: 02 Oct 2020 10:42

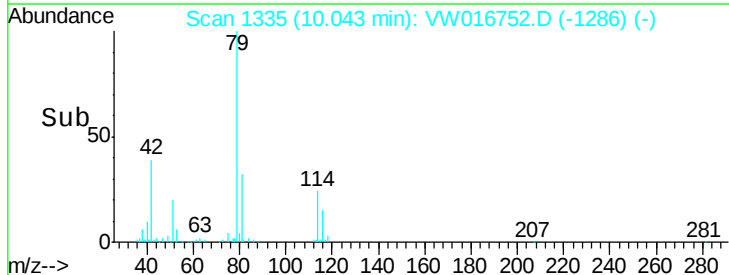
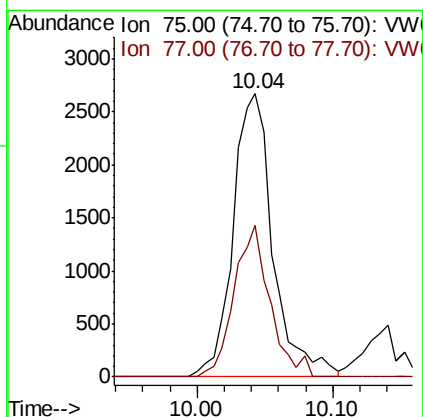
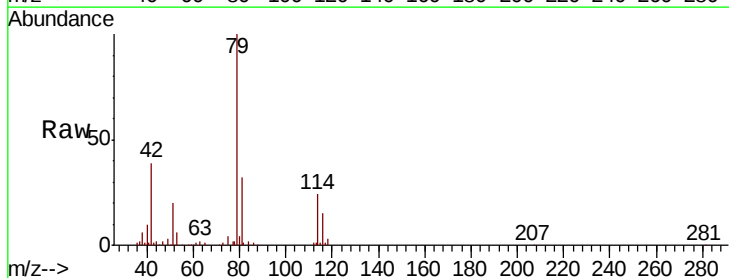
Instrument :  
MSVOA\_W  
ClientSampled :

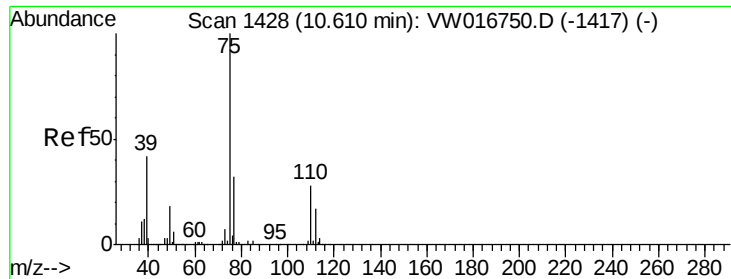
Tot Ion: 84 Resp: 13646  
Ion Ratio Lower Upper  
84 100  
49 100.6 76.0 141.2  
86 57.8 45.6 84.6



#42  
cis-1,3-Dichloropropene  
Concen: 0.450 ug/L  
RT: 10.04 min Scan# 1335  
Delta R.T. -0.03 min  
Lab File: VW016752.D  
Acq: 02 Oct 2020 10:42

Tgt Ion: 75 Resp: 5447  
Ion Ratio Lower Upper  
75 100  
77 53.7 22.2 41.2#





#45

trans-1,3-Dichloropropene

Concen: 0.325 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016752.D

Acq: 02 Oct 2020 10:42

Instrument :

MSVOA\_W

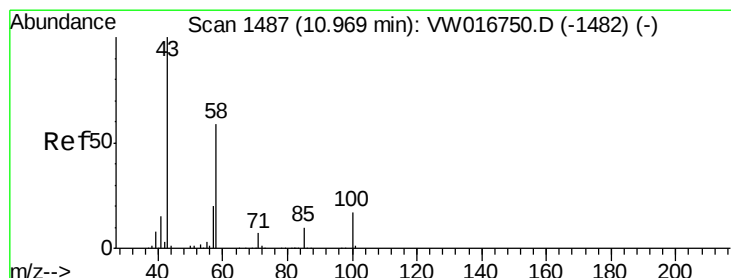
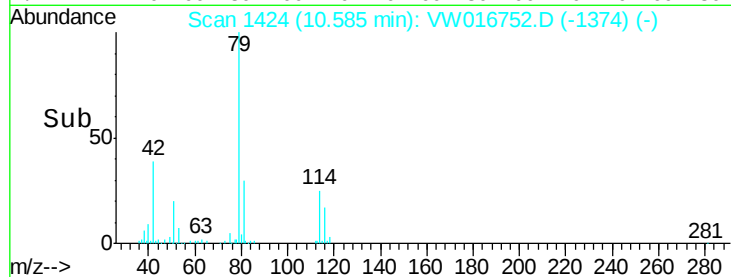
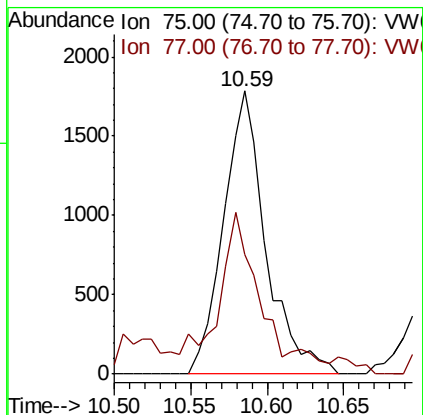
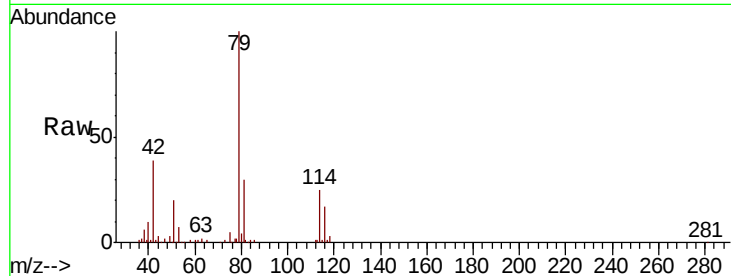
ClientSampleId :

Tot Ion: 75 Resp: 3429

Ion Ratio Lower Upper

75 100

77 42.3 22.5 41.9#



#49

2-Hexanone

Concen: 2.259 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW016752.D

Acq: 02 Oct 2020 10:42

Tgt Ion: 43 Resp: 6460

Ion Ratio Lower Upper

43 100

58 29.8 44.2 66.2#

57 27.2 16.3 24.5#

100 0.0 12.4 18.6#

