

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072420\  
 Data File : VW015941.D  
 Acq On : 24 Jul 2020 11:41  
 Operator : SY/VA  
 Sample : L3388-09RE  
 Misc : 4.65G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 25 05:16:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 25 05:14:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 493215   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 412481   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 158150   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 154056   | 22.14    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 88.56% |
| 7) Chloroethane-d5             | 2.90   | 69    | 122558   | 21.68    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.72% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 232356   | 16.51    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 66.04% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 65066    | 35.59    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 71.18% |
| 24) Chloroform-d               | 7.65   | 84    | 286496   | 20.68    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 82.72% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 151399   | 19.91    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 79.64% |
| 29) Benzene-d6                 | 8.27   | 84    | 591226   | 23.55    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 94.20% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 177005   | 23.52    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.08% |
| 37) Toluene-d8                 | 10.33  | 98    | 510151   | 22.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 89.72% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 64207    | 20.01    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 80.04% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 47830    | 38.16    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 76.32% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 113092   | 19.55    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 78.20% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 134237   | 21.77    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 87.08% |

## Target Compounds

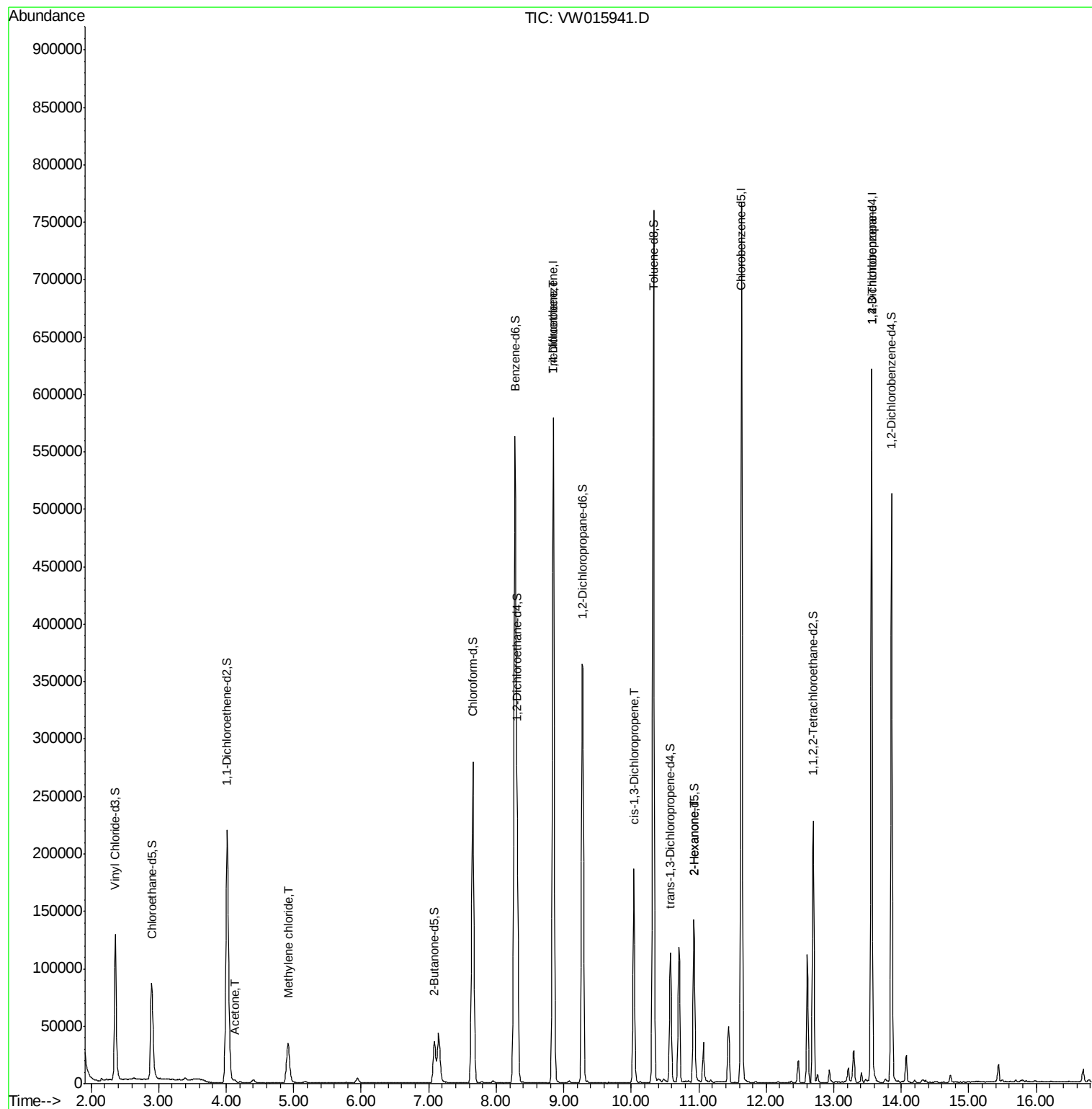
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.14  | 43 | 4038  | 2.630 ug/L   | 72     |
| 16) Methylene chloride      | 4.92  | 84 | 28286 | 3.500 ug/L   | 96     |
| 35) Trichloroethene         | 8.84  | 95 | 14606 | 2.204 ug/L # | 6      |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 4284  | 0.453 ug/L # | 69     |
| 49) 2-Hexanone              | 10.93 | 43 | 6110  | 2.377 ug/L # | 69     |
| 59) 1,2,3-Trichloropropane  | 13.56 | 75 | 19135 | 4.873 ug/L   | 91     |

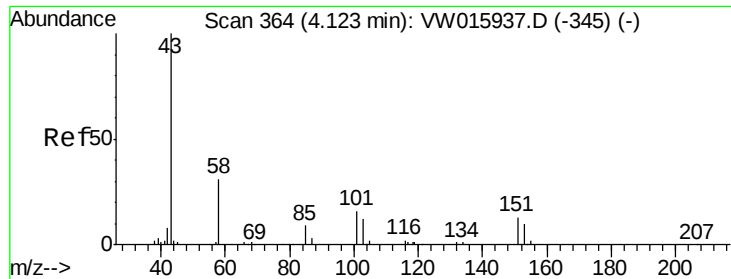
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : SY/VA  
Sample : L3388-09RE  
Misc : 4.65G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Jul 25 05:16:20 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Jul 25 05:14:30 2020  
Response via : Initial Calibration

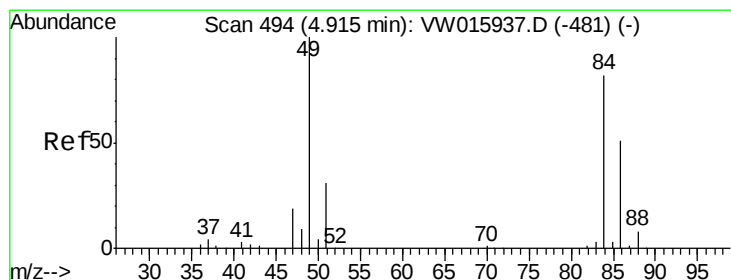
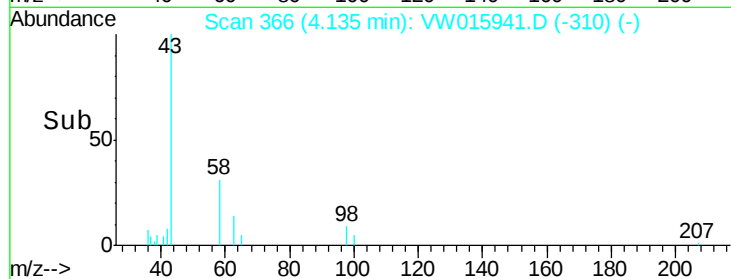
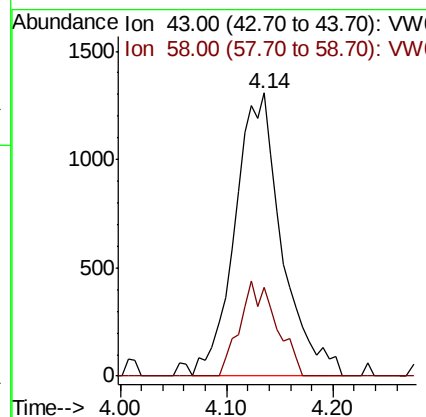
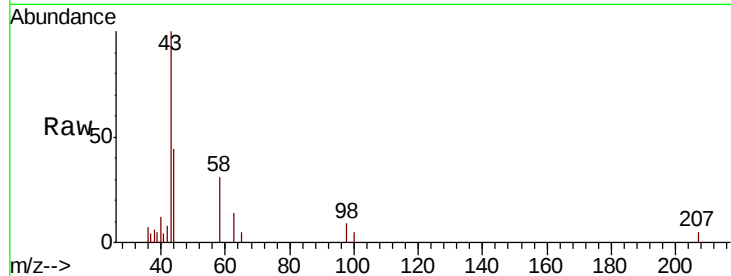




#13  
Acetone  
Concen: 2.630 ug/L  
RT: 4.14 min Scan# 366  
Delta R.T. 0.01 min  
Lab File: VW015941.D  
Acq: 24 Jul 2020 11:41

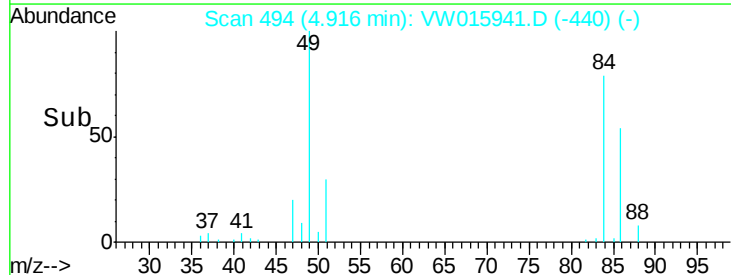
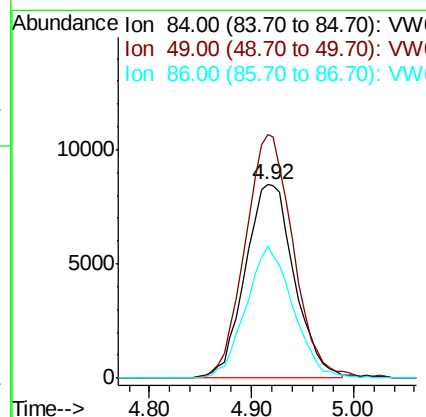
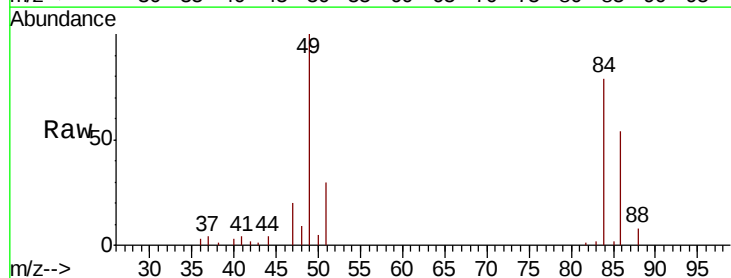
Instrument :  
MSVOA\_W  
ClientSampled :

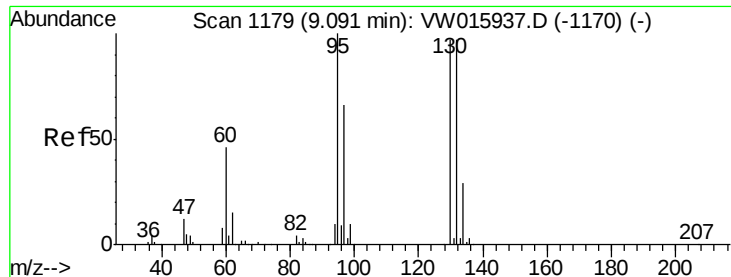
Tot Ion: 43 Resp: 4038  
Ion Ratio Lower Upper  
43 100  
58 13.9 0.0 58.2



#16  
Methylene chloride  
Concen: 3.500 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW015941.D  
Acq: 24 Jul 2020 11:41

Tgt Ion: 84 Resp: 28286  
Ion Ratio Lower Upper  
84 100  
49 125.9 91.1 169.1  
86 68.6 46.0 85.4





#35

Trichloroethene

Concen: 2.204 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW015941.D

Acq: 24 Jul 2020 11:41

Instrument :

MSVOA\_W

ClientSampled :

Tot Ion: 95 Resp: 14606

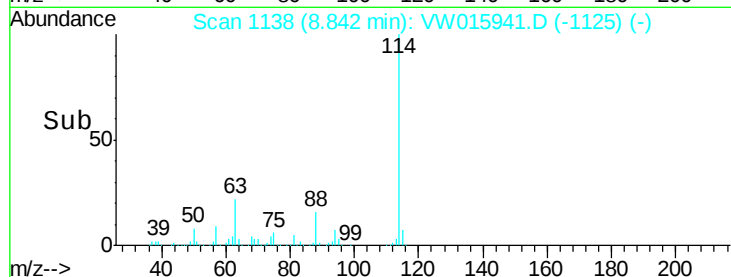
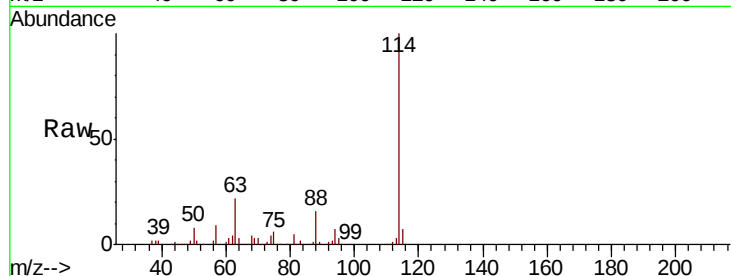
Ion Ratio Lower Upper

95 100

97 0.0 44.4 82.4#

132 0.0 65.1 120.9#

130 0.0 68.6 127.4#

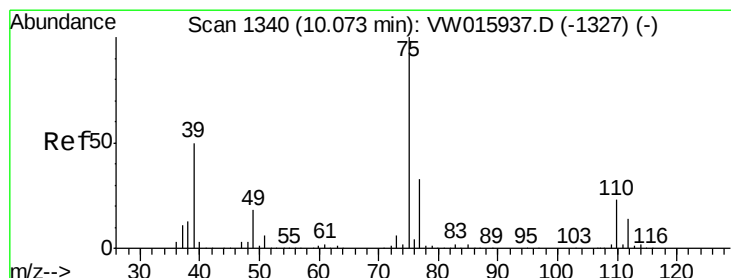
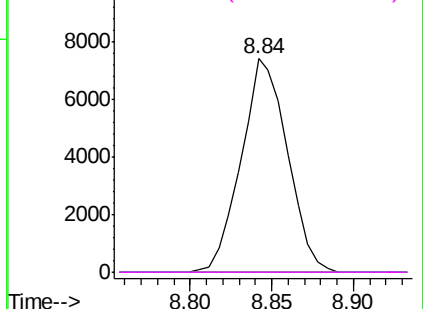


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.453 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW015941.D

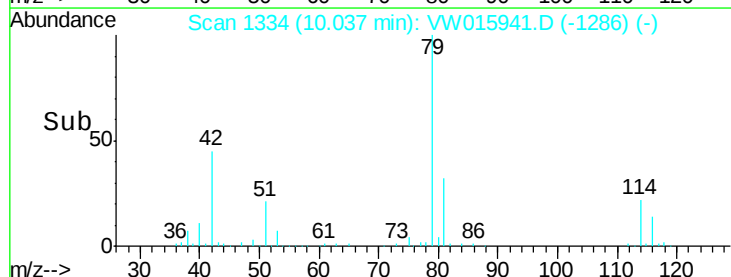
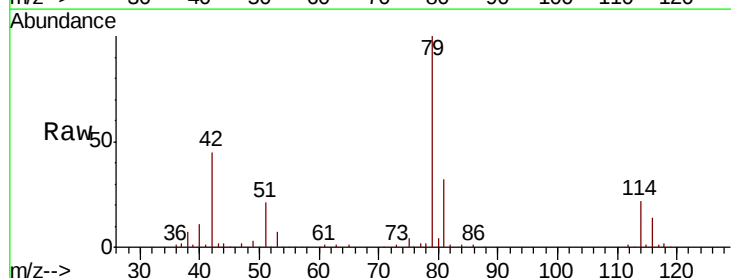
Acq: 24 Jul 2020 11:41

Tgt Ion: 75 Resp: 4284

Ion Ratio Lower Upper

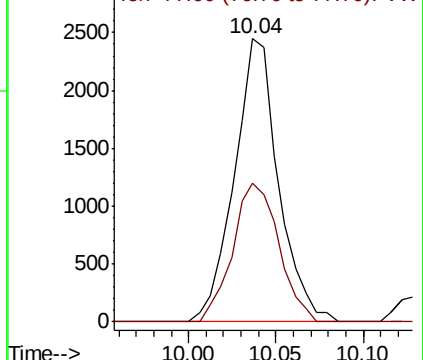
75 100

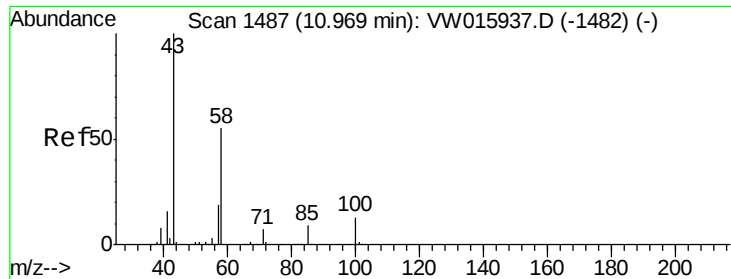
77 49.2 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

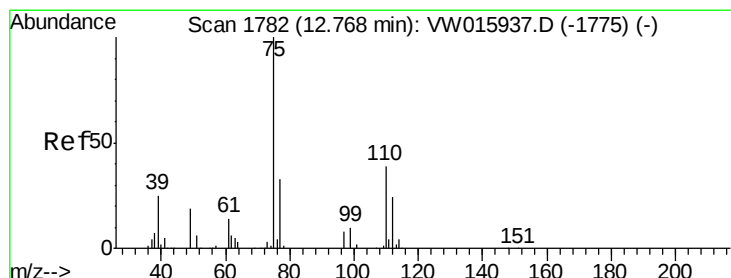
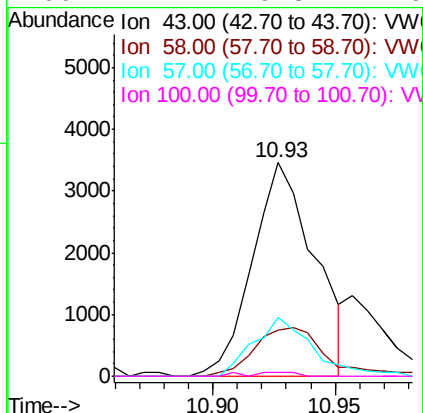
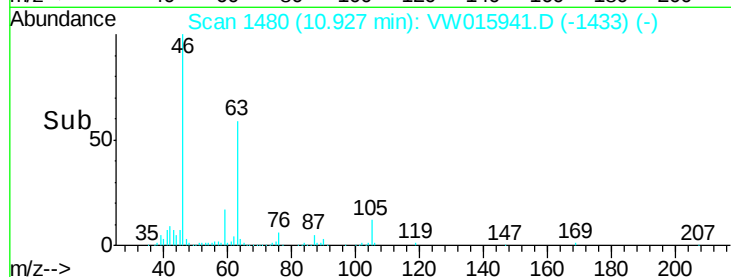
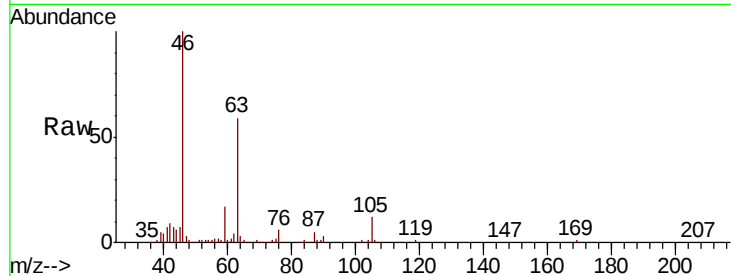




#49  
2-Hexanone  
Concen: 2.377 ug/L  
RT: 10.93 min Scan# 1480  
Delta R.T. -0.04 min  
Lab File: VW015941.D  
Acq: 24 Jul 2020 11:41

Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion: 43 Resp: 6110  
Ion Ratio Lower Upper  
43 100  
58 26.2 42.4 63.6#  
57 26.5 15.6 23.4#  
100 1.1 9.8 14.6#



#59  
1,2,3-Trichloropropane  
Concen: 4.873 ug/L  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.79 min  
Lab File: VW015941.D  
Acq: 24 Jul 2020 11:41

Tgt Ion: 75 Resp: 19135  
Ion Ratio Lower Upper  
75 100  
77 37.7 26.0 39.0

