

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092520\  
 Data File : VW016644.D  
 Acq On : 24 Sep 2020 16:25  
 Operator : SY/VA  
 Sample : L4110-11  
 Misc : 5.50G/10ML/MSVOA W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AL7

Quant Time: Sep 25 08:03:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM091520S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 25 07:55:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 687977   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 608100   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 284277   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                  |        |       |          |          |      |        |
|----------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3             | 2.37   | 65    | 139895   | 21.01    | ug/L | 0.00   |
| Spiked Amount                    | 25.000 | Range | 30 - 150 | Recovery | =    | 84.04% |
| 7) Chloroethane-d5               | 2.90   | 69    | 122775   | 22.58    | ug/L | 0.00   |
| Spiked Amount                    | 25.000 | Range | 30 - 150 | Recovery | =    | 90.32% |
| 10) 1,1-Dichloroethene-d2        | 4.03   | 63    | 222663   | 14.96    | ug/L | 0.00   |
| Spiked Amount                    | 25.000 | Range | 45 - 110 | Recovery | =    | 59.84% |
| 20) 2-Butanone-d5                | 7.09   | 46    | 58104    | 32.00    | ug/L | 0.00   |
| Spiked Amount                    | 50.000 | Range | 20 - 135 | Recovery | =    | 64.00% |
| 24) Chloroform-d                 | 7.66   | 84    | 325555   | 22.62    | ug/L | 0.00   |
| Spiked Amount                    | 25.000 | Range | 40 - 150 | Recovery | =    | 90.48% |
| 26) 1,2-Dichloroethane-d4        | 8.31   | 65    | 159587   | 21.60    | ug/L | 0.00   |
| Spiked Amount                    | 25.000 | Range | 70 - 130 | Recovery | =    | 86.40% |
| 29) Benzene-d6                   | 8.28   | 84    | 635521   | 23.30    | ug/L | 0.00   |
| Spiked Amount                    | 25.000 | Range | 20 - 135 | Recovery | =    | 93.20% |
| 33) 1,2-Dichloropropane-d6       | 9.28   | 67    | 172429   | 23.33    | ug/L | 0.00   |
| Spiked Amount                    | 25.000 | Range | 70 - 120 | Recovery | =    | 93.32% |
| 37) Toluene-d8                   | 10.33  | 98    | 611898   | 22.81    | ug/L | 0.00   |
| Spiked Amount                    | 25.000 | Range | 30 - 130 | Recovery | =    | 91.24% |
| 38) trans-1,3-Dichloropropene-   | 10.58  | 79    | 69872    | 18.75    | ug/L | 0.00   |
| Spiked Amount                    | 25.000 | Range | 30 - 135 | Recovery | =    | 75.00% |
| 39) 2-Hexanone-d5                | 10.93  | 63    | 46420    | 34.53    | ug/L | 0.00   |
| Spiked Amount                    | 50.000 | Range | 20 - 135 | Recovery | =    | 69.06% |
| 48) 1,1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 120663   | 19.19    | ug/L | 0.00   |
| Spiked Amount                    | 25.000 | Range | 45 - 120 | Recovery | =    | 76.76% |
| 61) 1,2-Dichlorobenzene-d4       | 13.85  | 152   | 207750   | 22.87    | ug/L | 0.00   |
| Spiked Amount                    | 25.000 | Range | 75 - 120 | Recovery | =    | 91.48% |

## Target Compounds

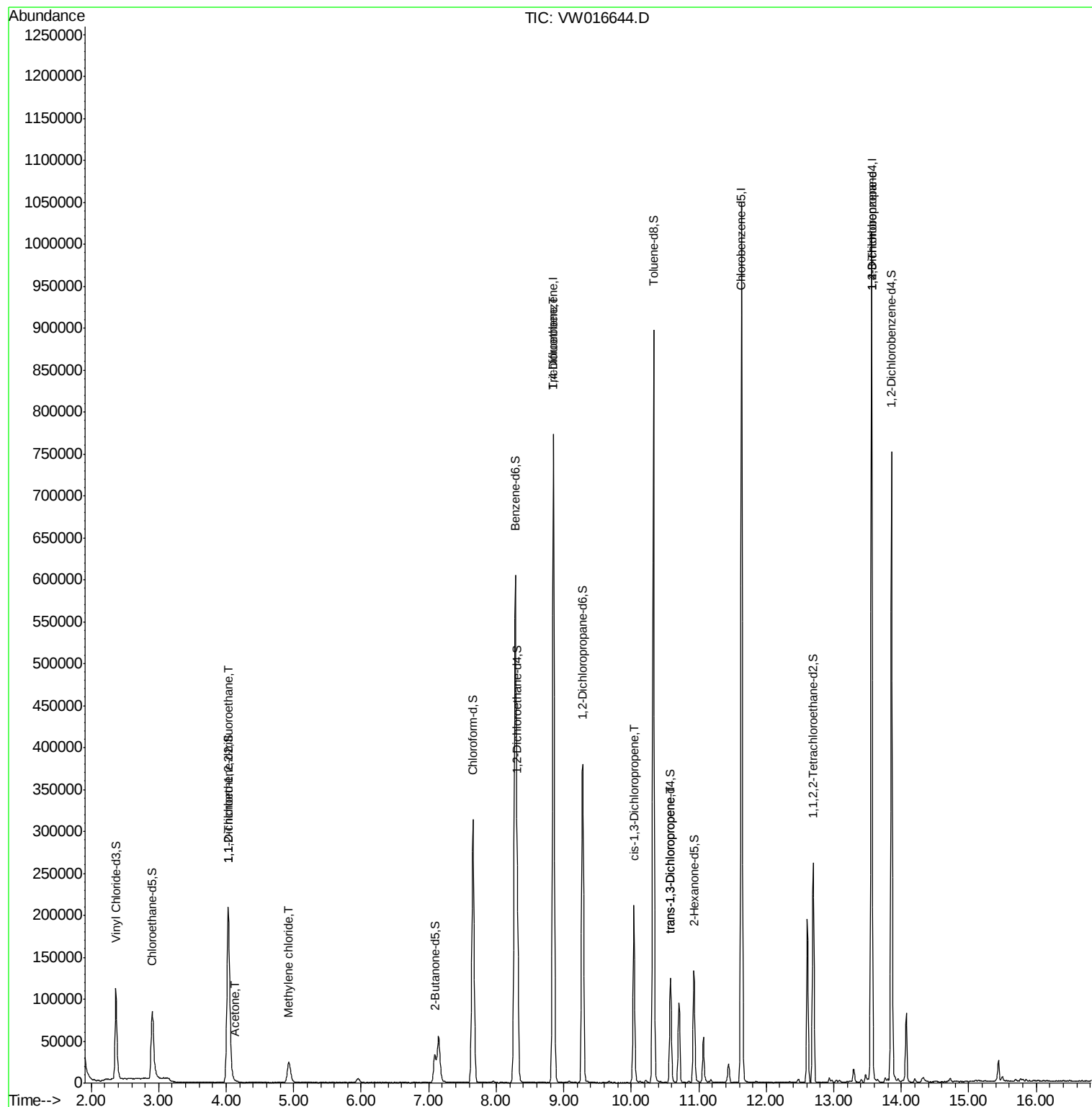
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.03  | 101 | 2432  | 0.274 ug/L # | 17     |
| 13) Acetone                    | 4.14  | 43  | 2515  | 1.768 ug/L   | 63     |
| 16) Methylene chloride         | 4.93  | 84  | 22615 | 2.131 ug/L   | 97     |
| 35) Trichloroethene            | 8.85  | 95  | 20667 | 2.192 ug/L # | 2      |
| 42) cis-1,3-Dichloropropene    | 10.04 | 75  | 5848  | 0.452 ug/L # | 78     |
| 45) trans-1,3-Dichloropropene  | 10.59 | 75  | 3388  | 0.301 ug/L   | 89     |
| 59) 1,2,3-Trichloropropane     | 13.56 | 75  | 29076 | 5.466 ug/L   | 90     |

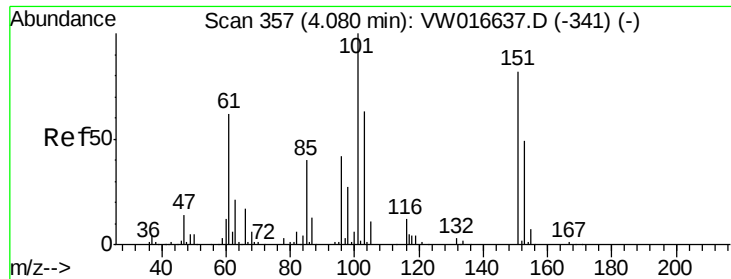
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Sep 25 07:55:30 2020  
Response via : Initial Calibration





#11

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

Concen: 0.274 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.05 min

Lab File: VW016644.D

Acq: 24 Sep 2020 16:25

Instrument :

MSVOA\_W

ClientSampled :

C0AL7

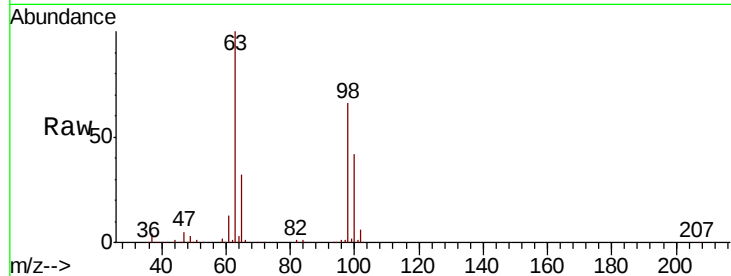
Tot Ion:101 Resp: 2432

Ion Ratio Lower Upper

101 100

85 0.0 32.6 49.0#

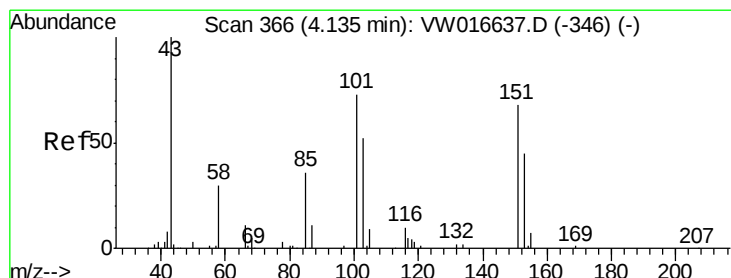
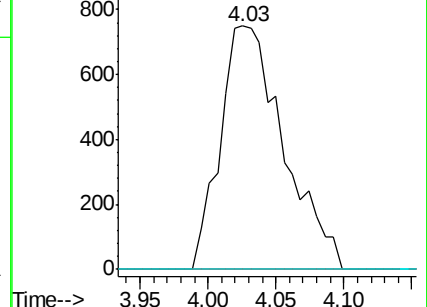
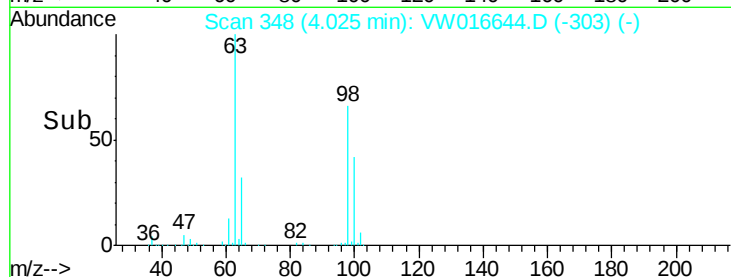
151 0.0 66.0 99.0#



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: 1.768 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW016644.D

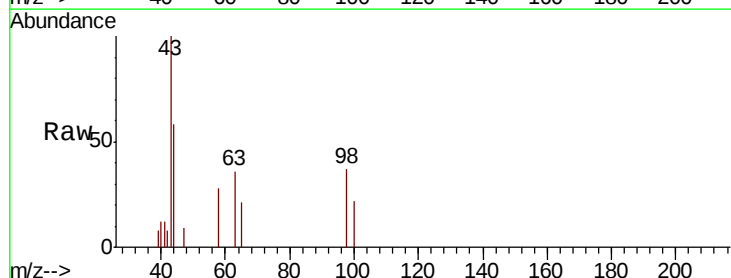
Acq: 24 Sep 2020 16:25

Tgt Ion: 43 Resp: 2515

Ion Ratio Lower Upper

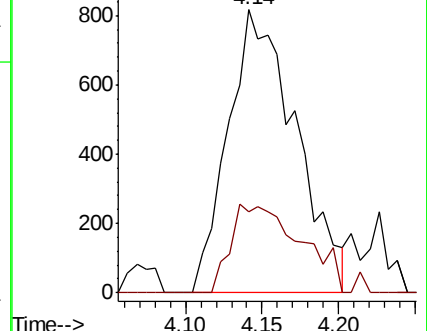
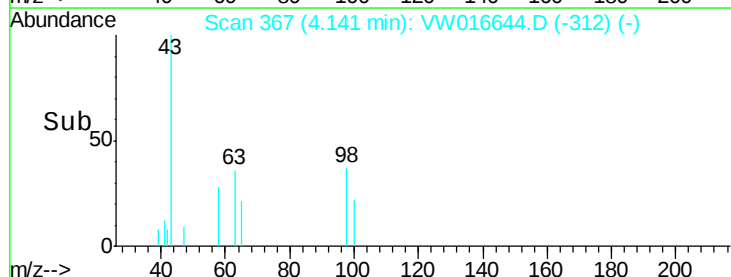
43 100

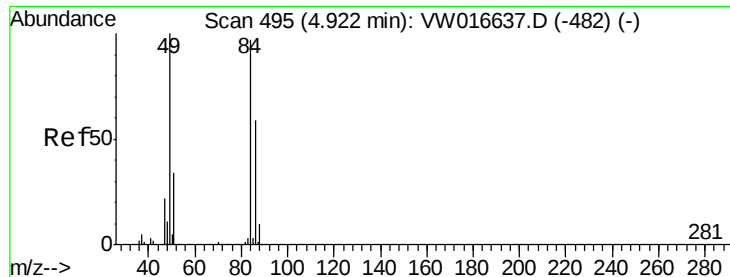
58 10.0 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

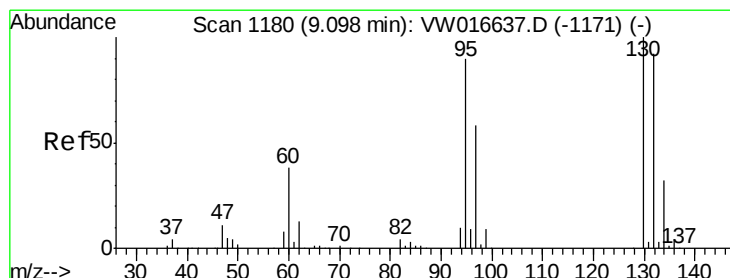
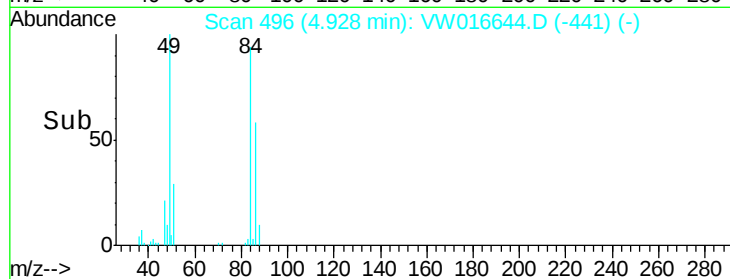
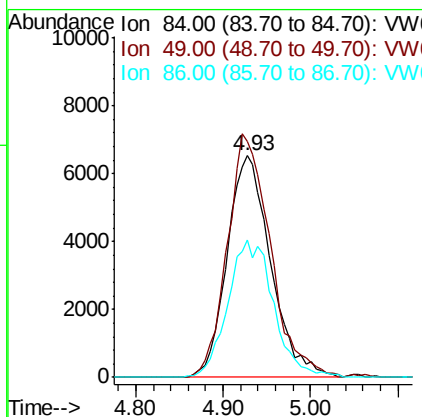
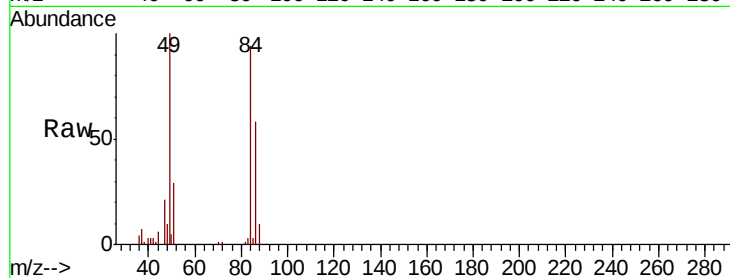




#16  
Methylene chloride  
Concen: 2.131 ug/L  
RT: 4.93 min Scan# 496  
Delta R.T. 0.01 min  
Lab File: VW016644.D  
Acq: 24 Sep 2020 16:25

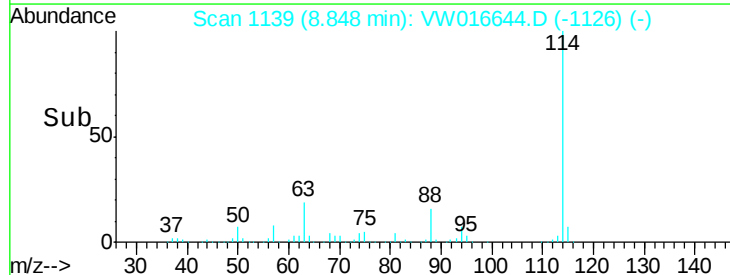
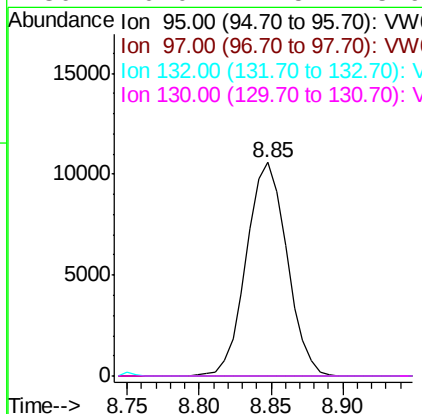
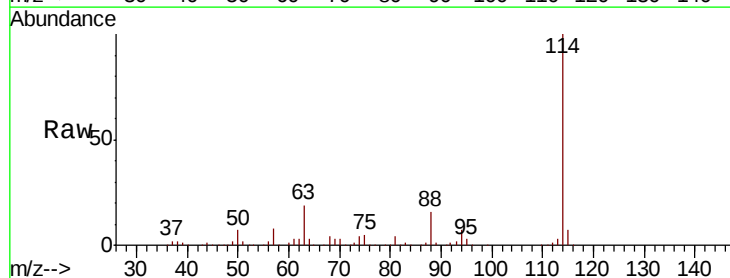
Instrument :  
MSVOA\_W  
ClientSampleId :  
C0AL7

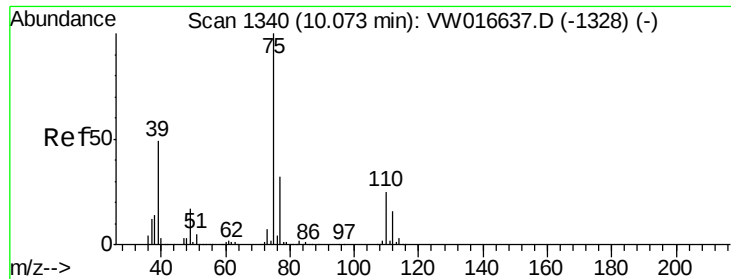
Tot Ion: 84 Resp: 22615  
Ion Ratio Lower Upper  
84 100  
49 106.7 76.0 141.2  
86 61.8 45.6 84.6



#35  
Trichloroethene  
Concen: 2.192 ug/L  
RT: 8.85 min Scan# 1139  
Delta R.T. -0.25 min  
Lab File: VW016644.D  
Acq: 24 Sep 2020 16:25

Tgt Ion: 95 Resp: 20667  
Ion Ratio Lower Upper  
95 100  
97 0.0 45.2 84.0#  
132 0.0 73.3 136.1#  
130 0.0 77.5 143.9#





#42

cis-1,3-Dichloropropene

Concen: 0.452 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW016644.D

Acq: 24 Sep 2020 16:25

Instrument :

MSVOA\_W

ClientSampleId :

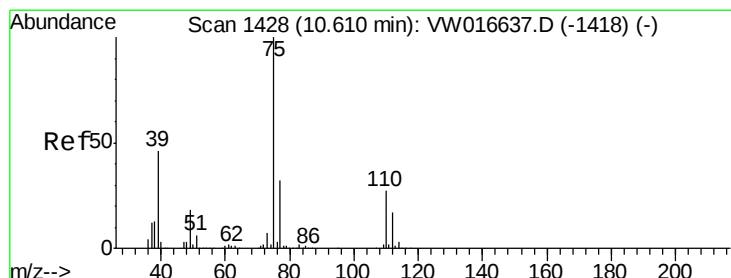
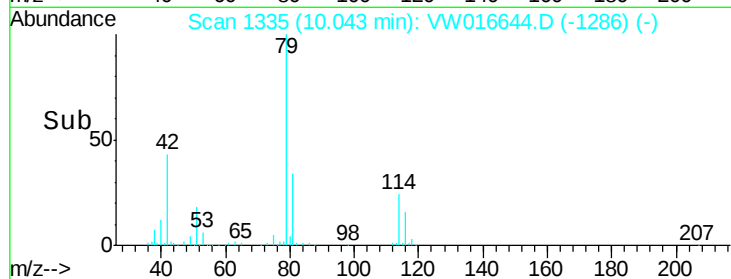
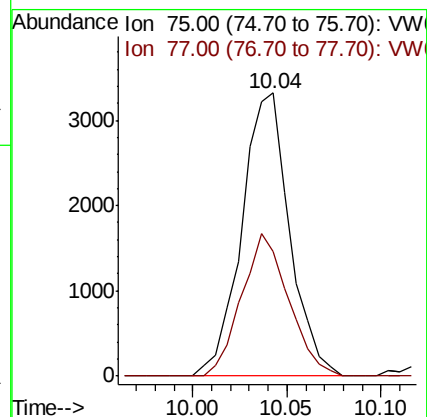
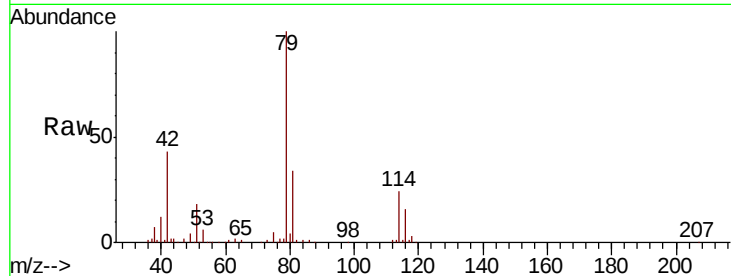
C0AL7

Tot Ion: 75 Resp: 5848

Ion Ratio Lower Upper

75 100

77 44.0 22.2 41.2#



#45

trans-1,3-Dichloropropene

Concen: 0.301 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016644.D

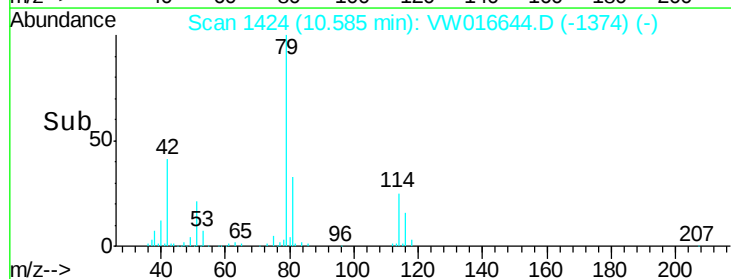
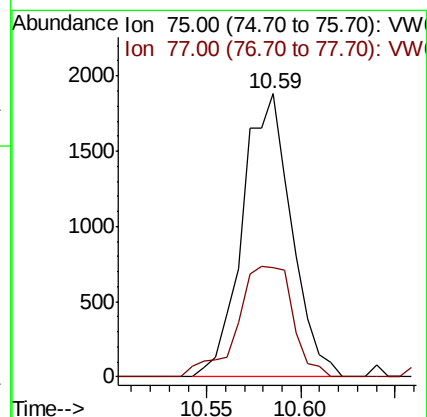
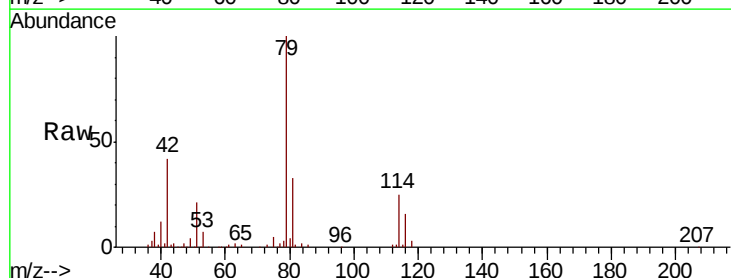
Acq: 24 Sep 2020 16:25

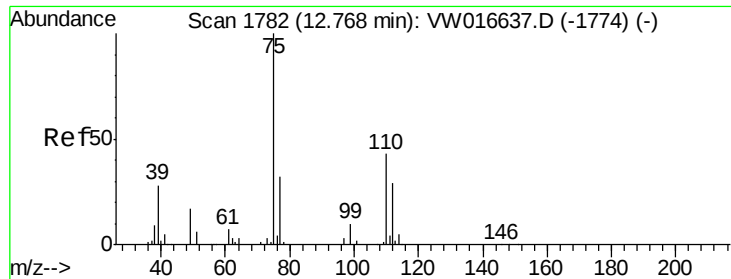
Tgt Ion: 75 Resp: 3388

Ion Ratio Lower Upper

75 100

77 38.6 22.5 41.9





#59

1,2,3-Trichloropropane

Concen: 5.466 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016644.D

Acq: 24 Sep 2020 16:25

Instrument :

MSVOA\_W

ClientSampleId :

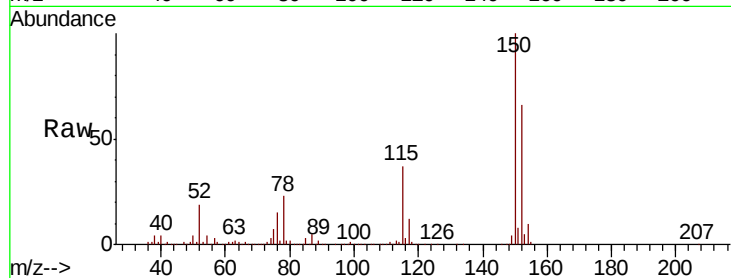
C0AL7

Tot Ion: 75 Resp: 29076

Ion Ratio Lower Upper

75 100

77 38.3 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

