

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV063020\  
 Data File : VV017256.D  
 Acq On : 30 Jun 2020 13:23  
 Operator : SY/MD  
 Sample : VV0630WBL01  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 01 06:02:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jul 01 06:00:36 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 174885   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 166675   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 81214    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 42260    | 4.03     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 80.60% |
| 7) Chloroethane-d5             | 1.58   | 69    | 36545    | 4.79     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 95.80% |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 64871    | 3.25     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.00% |
| 20) 2-Butanone-d5              | 3.95   | 46    | 113639   | 42.48    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 84.96% |
| 24) Chloroform-d               | 4.37   | 84    | 105175   | 4.68     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.60% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 57468    | 4.83     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.60% |
| 32) Benzene-d6                 | 5.07   | 84    | 191983   | 4.44     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.80% |
| 36) 1,2-Dichloropropane-d6     | 6.09   | 67    | 56591    | 4.37     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 87.40% |
| 41) Toluene-d8                 | 7.33   | 98    | 172820   | 4.26     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.20% |
| 45) trans-1,3-Dichloropropene- | 7.64   | 79    | 23939    | 4.44     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.80% |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 79876    | 38.88    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 77.76% |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 39246    | 4.56     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 91.20% |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 71181    | 4.74     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 94.80% |

## Target Compounds

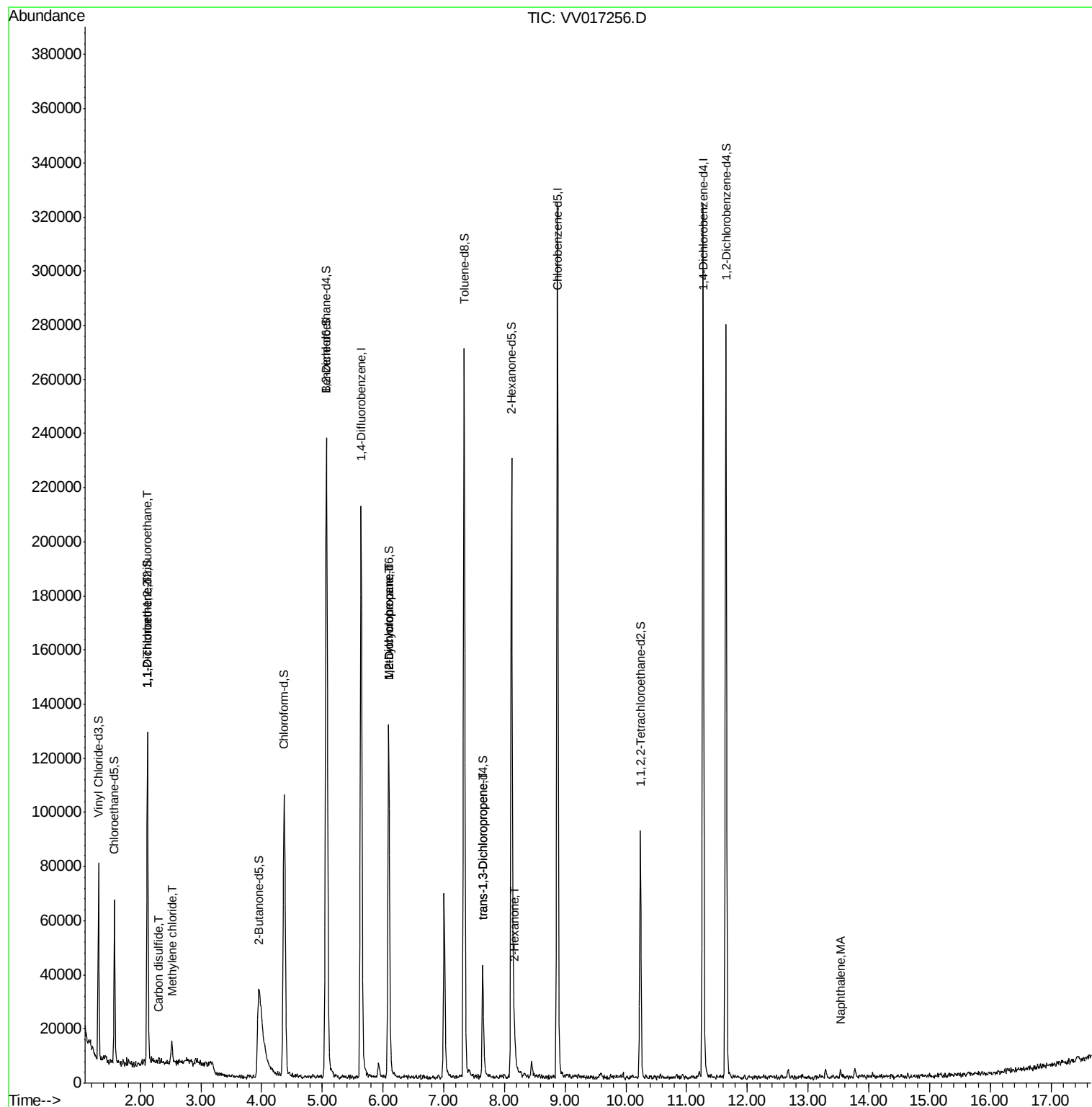
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 766   | 0.083 ug/L # | 20     |
| 12) 1,1-Dichloroethene         | 2.12  | 96  | 789   | 0.094 ug/L # | 1      |
| 14) Carbon disulfide           | 2.31  | 76  | 1726  | 0.069 ug/L # | 95     |
| 16) Methylene chloride         | 2.52  | 84  | 3470  | 0.386 ug/L   | 82     |
| 35) Methylcyclohexane          | 6.09  | 83  | 15242 | 0.767 ug/L # | 18     |
| 37) 1,2-Dichloropropane        | 6.09  | 63  | 7587  | 0.702 ug/L # | 85     |
| 46) trans-1,3-Dichloropropene  | 7.64  | 75  | 1485  | 0.107 ug/L   | 100    |
| 50) 2-Hexanone                 | 8.16  | 43  | 4342  | 0.978 ug/L # | 86     |
| 70) Naphthalene                | 13.54 | 128 | 2073  | 0.091 ug/L # | 74     |

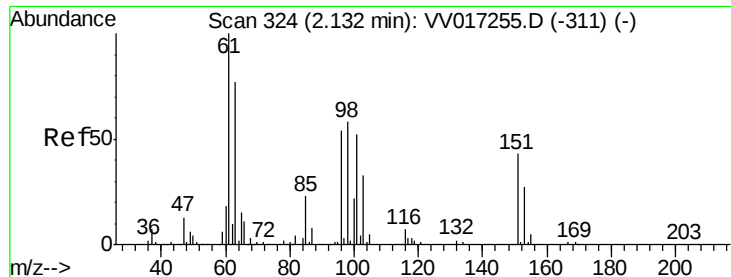
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 01 06:00:36 2020  
Response via : Initial Calibration





#10

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

Concen: 0.083 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017256.D

Acq: 30 Jun 2020 13:23

Instrument :

MSVOA\_V

ClientSampleId :

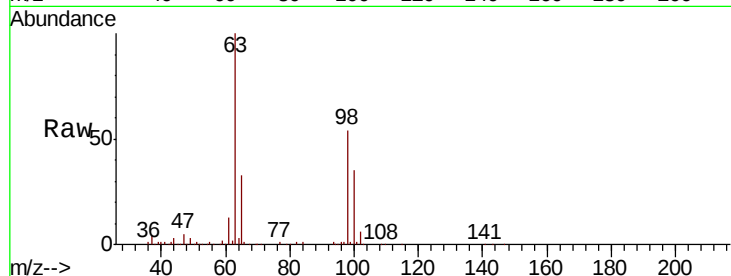
Tot Ion:101 Resp: 766

Ion Ratio Lower Upper

101 100

85 5.4 35.4 53.2#

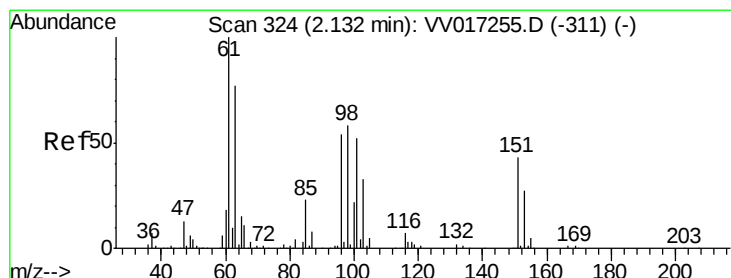
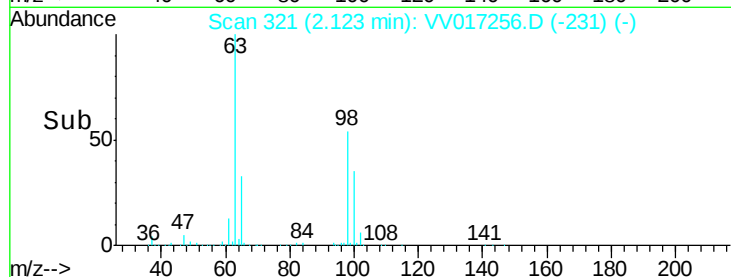
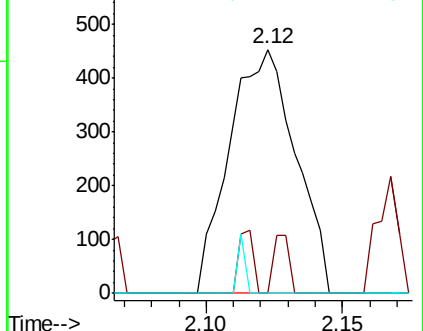
151 0.0 63.9 95.9#



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



#12

1,1-Dichloroethene

Concen: 0.094 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017256.D

Acq: 30 Jun 2020 13:23

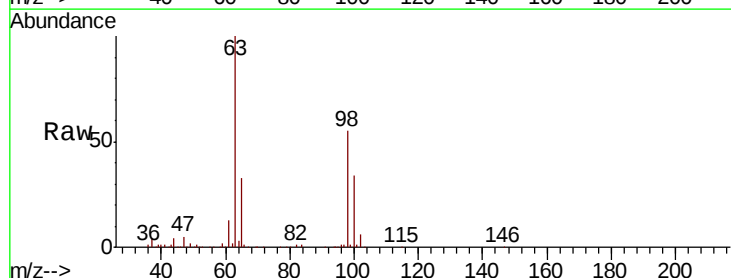
Tgt Ion: 96 Resp: 789

Ion Ratio Lower Upper

96 100

61 1162.9 125.0 232.2#

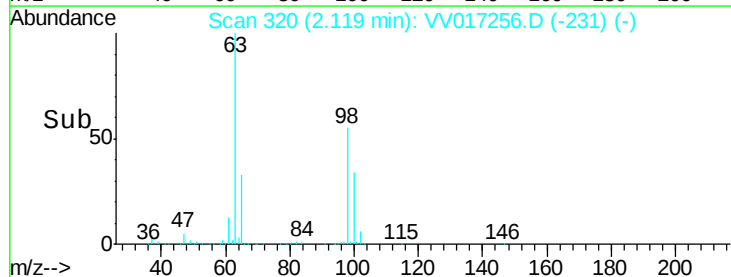
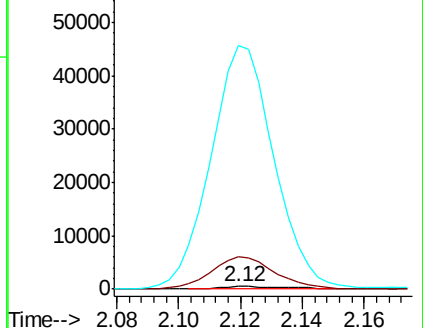
63 8863.7 109.8 203.8#

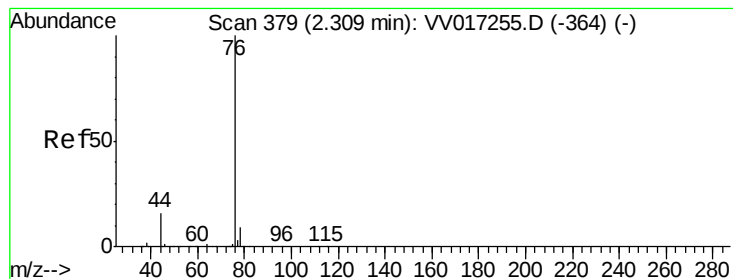


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.069 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017256.D

Acq: 30 Jun 2020 13:23

Instrument :

MSVOA\_V

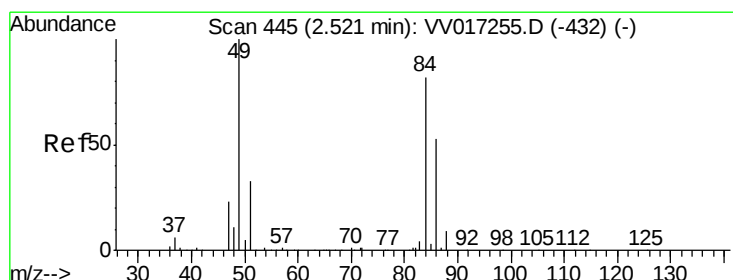
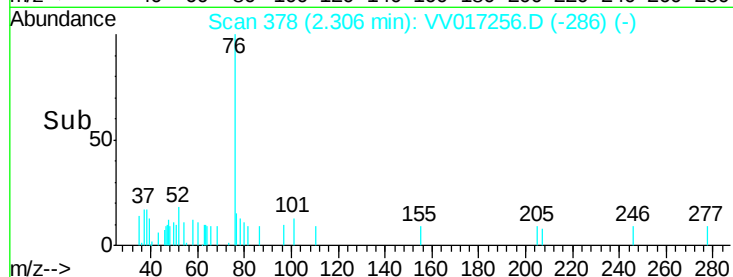
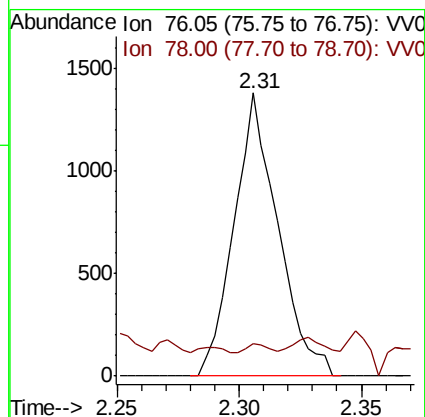
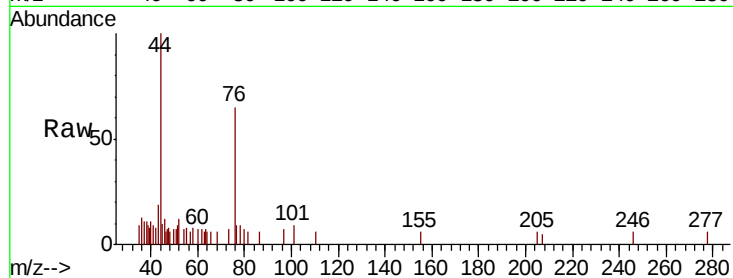
ClientSampleId :

Tot Ion: 76 Resp: 1726

Ion Ratio Lower Upper

76 100

78 11.6 7.7 11.5#



#16

Methylene chloride

Concen: 0.386 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV017256.D

Acq: 30 Jun 2020 13:23

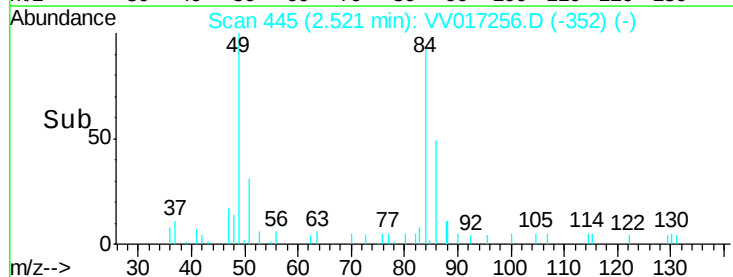
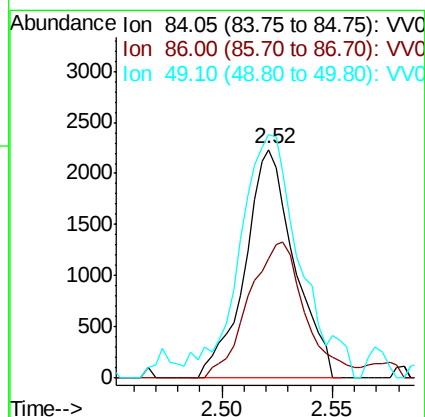
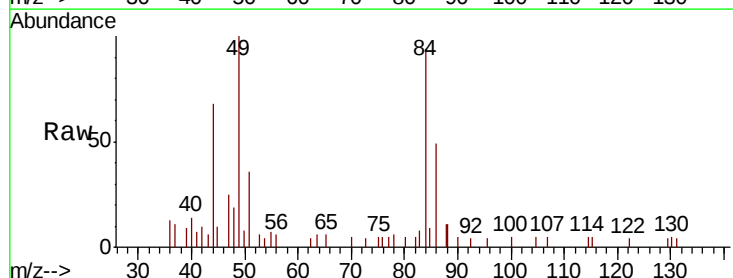
Tgt Ion: 84 Resp: 3470

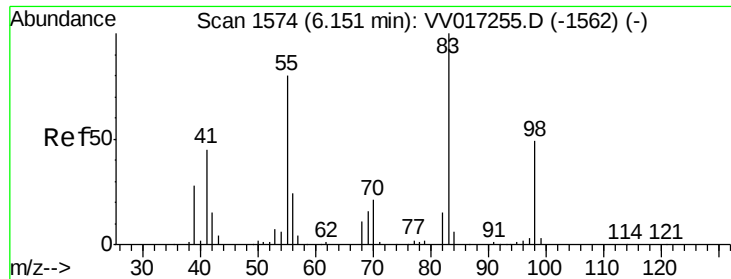
Ion Ratio Lower Upper

84 100

86 52.3 45.8 85.0

49 106.5 89.6 166.4

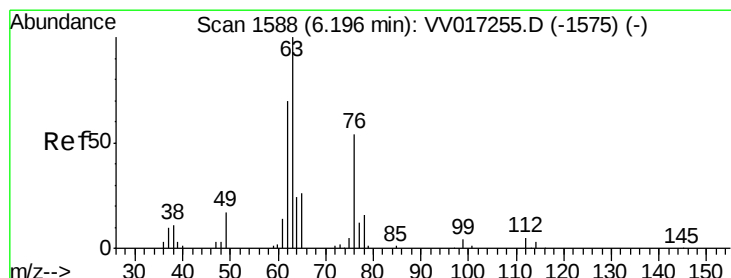
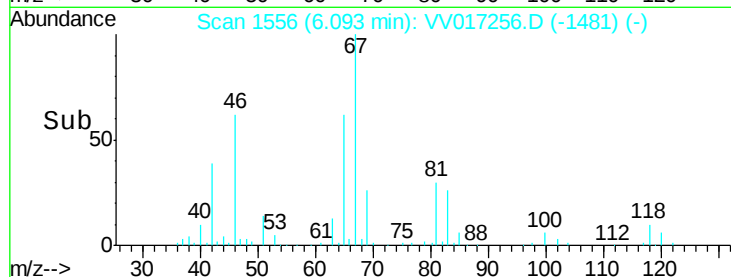
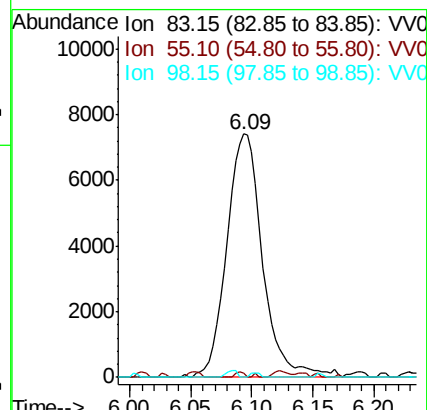
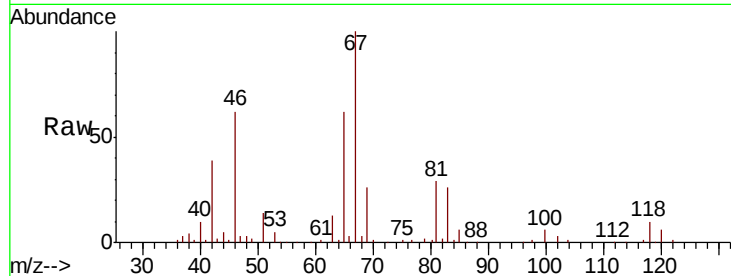




#35  
Methvlcvclohexane  
Concen: 0.767 ug/L  
RT: 6.09 min Scan# 1556  
Delta R.T. -0.06 min  
Lab File: VV017256.D  
Acq: 30 Jun 2020 13:23

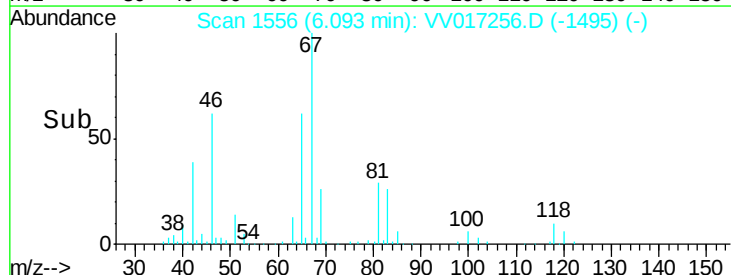
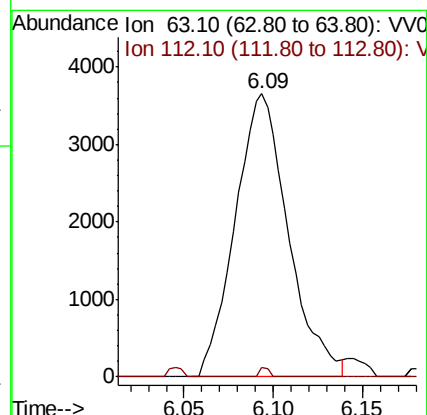
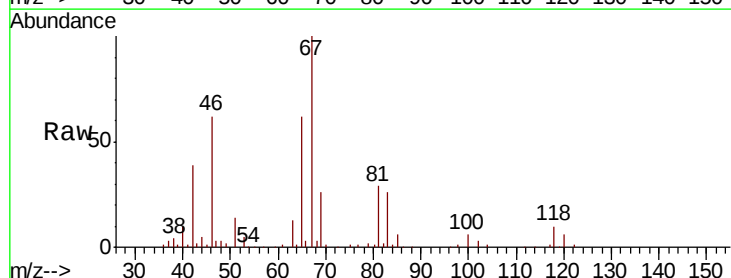
Instrument :  
MSVOA\_V  
ClientSampleId :

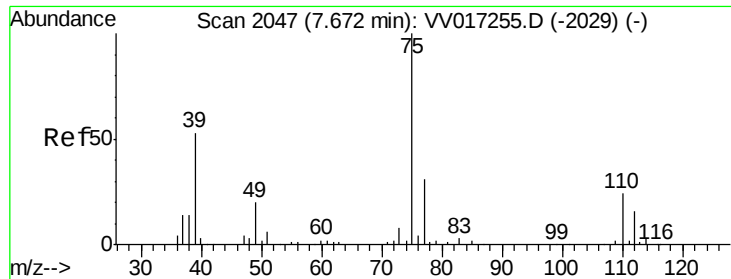
Tot Ion: 83 Resp: 15242  
Ion Ratio Lower Upper  
83 100  
55 0.5 63.6 95.4#  
98 0.9 38.8 58.2#



#37  
1,2-Dichloropropane  
Concen: 0.702 ug/L  
RT: 6.09 min Scan# 1556  
Delta R.T. -0.10 min  
Lab File: VV017256.D  
Acq: 30 Jun 2020 13:23

Tgt Ion: 63 Resp: 7587  
Ion Ratio Lower Upper  
63 100  
112 0.6 4.4 6.6#

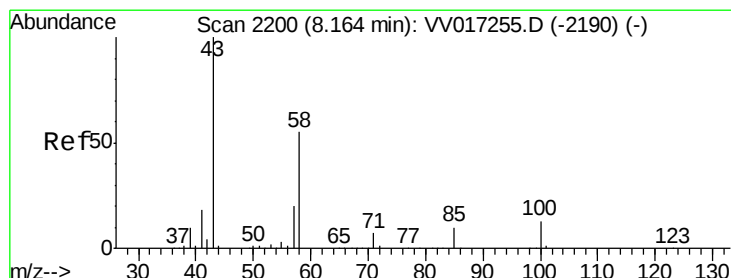
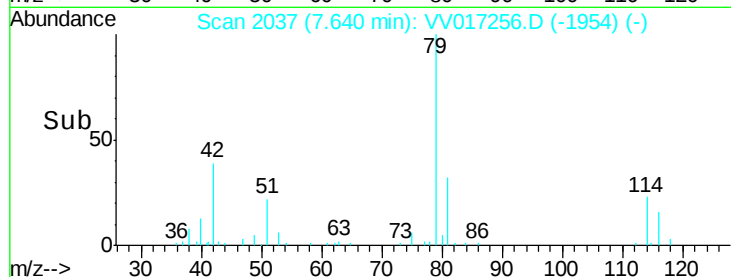
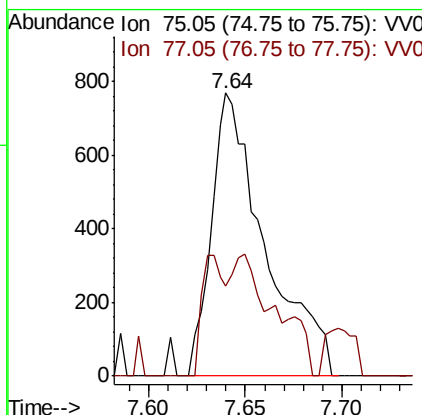
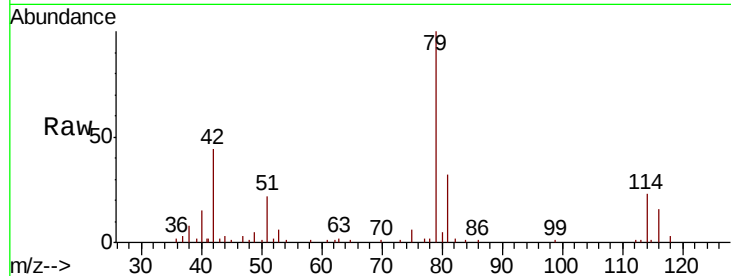




#46  
trans-1,3-Dichloropropene  
Concen: 0.107 ug/L  
RT: 7.64 min Scan# 2037  
Delta R.T. -0.03 min  
Lab File: VV017256.D  
Acq: 30 Jun 2020 13:23

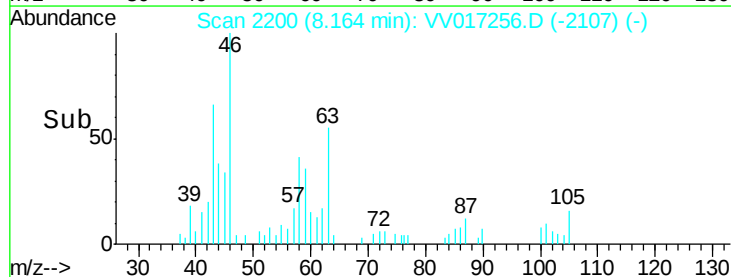
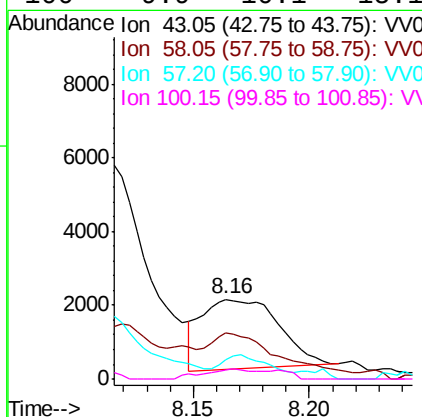
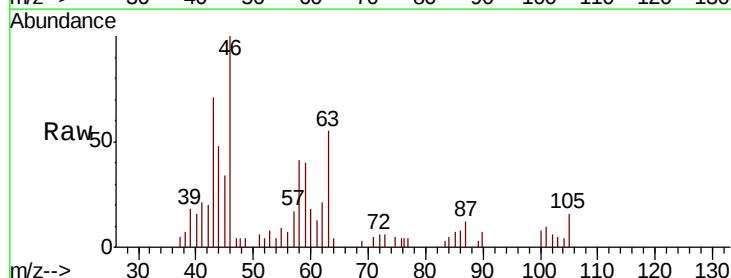
Instrument :  
MSVOA\_V  
ClientSampled :

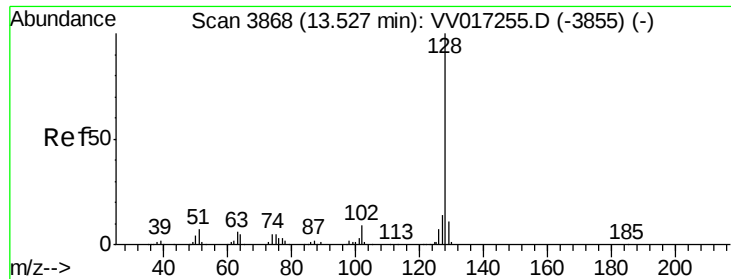
Tot Ion: 75 Resp: 1485  
Ion Ratio Lower Upper  
75 100  
77 31.9 22.3 41.3



#50  
2-Hexanone  
Concen: 0.978 ug/L  
RT: 8.16 min Scan# 2200  
Delta R.T. 0.00 min  
Lab File: VV017256.D  
Acq: 30 Jun 2020 13:23

Tgt Ion: 43 Resp: 4342  
Ion Ratio Lower Upper  
43 100  
58 64.4 41.6 62.4#  
57 22.4 15.4 23.0  
100 9.9 10.1 15.1#





#70

Naphthalene

Concen: 0.091 ug/L

RT: 13.54 min Scan# 3871

Delta R.T. 0.01 min

Lab File: VV017256.D

Acq: 30 Jun 2020 13:23

Instrument :

MSVOA\_V

ClientSampleId :

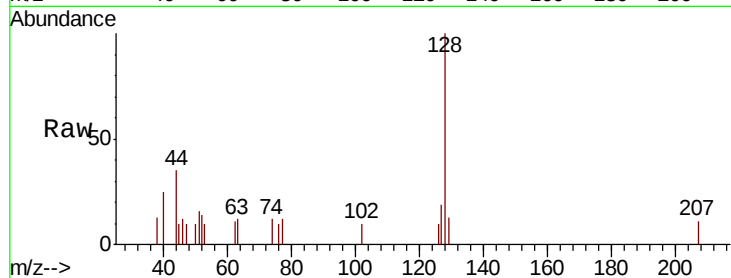
Tot Ion:128 Resp: 2073

Ion Ratio Lower Upper

128 100

129 4.1 8.8 13.2#

127 0.0 10.5 15.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

