

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070120\  
 Data File : VV017286.D  
 Acq On : 01 Jul 2020 13:35  
 Operator : SY/MD  
 Sample : L3150-06  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETYJ1

Quant Time: Jul 02 03:06:23 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jul 02 03:02:49 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 171244   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 169486   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 77720    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 47219    | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.80%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 41693    | 5.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 111.60% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 71784    | 3.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 73.40%  |
| 20) 2-Butanone-d5              | 3.93   | 46    | 134251   | 51.25    | ug/L | -0.03   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 102.50% |
| 24) Chloroform-d               | 4.38   | 84    | 113236   | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.00% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 64158    | 5.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 110.00% |
| 32) Benzene-d6                 | 5.08   | 84    | 204379   | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 61620    | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 93.60%  |
| 41) Toluene-d8                 | 7.34   | 98    | 172425   | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.60%  |
| 45) trans-1,3-Dichloropropene- | 7.65   | 79    | 23664    | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 86.40%  |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 92121    | 44.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 88.20%  |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 44554    | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 101.80% |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 75099    | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 104.60% |

## Target Compounds

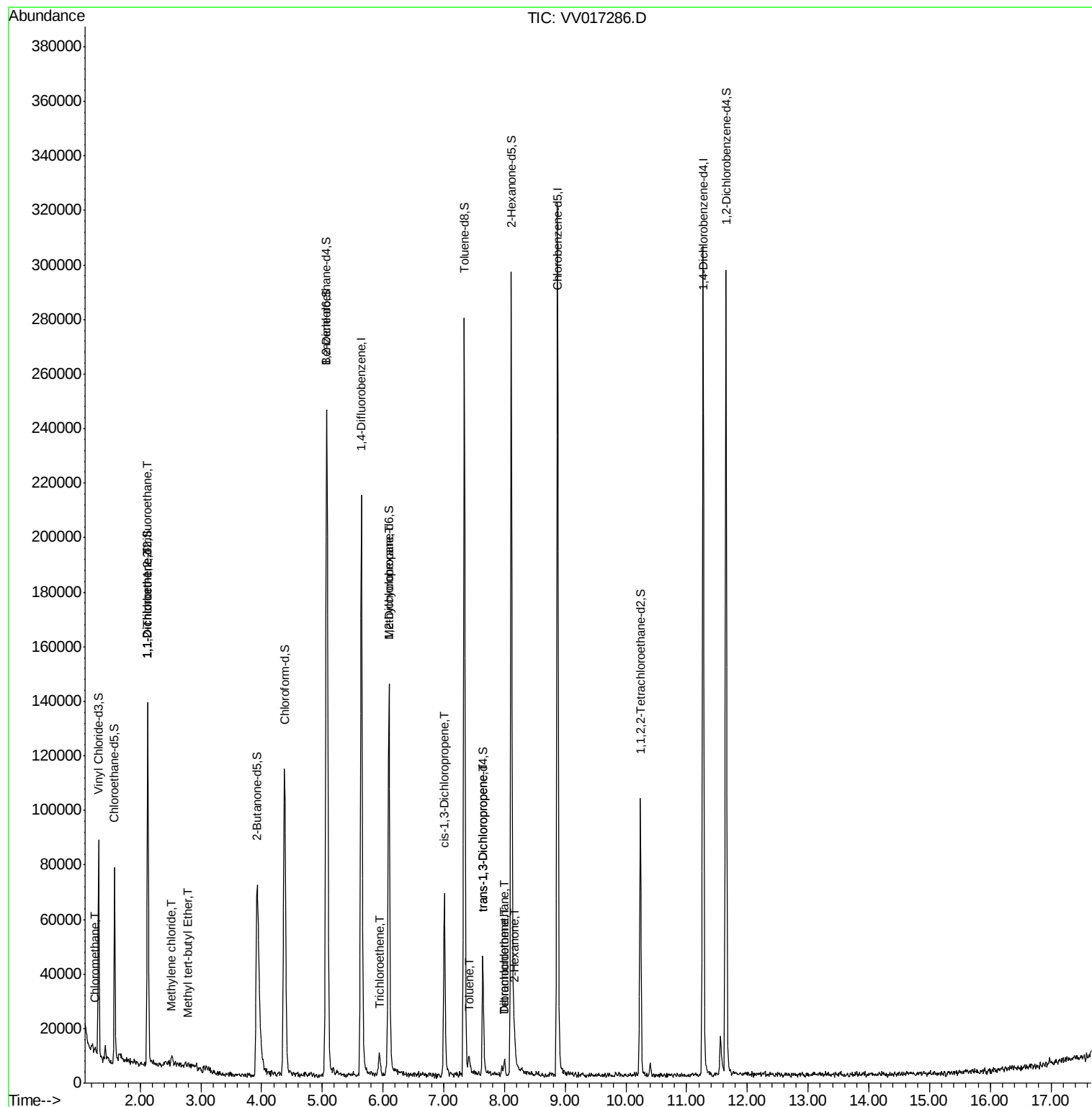
| Target Compounds               | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------------|------|------|----------|-------|--------|--------|
| 3) Chloromethane               | 1.25 | 50   | 868      | 0.075 | ug/L   | 96     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101  | 776      | 0.086 | ug/L # | 23     |
| 12) 1,1-Dichloroethene         | 2.13 | 96   | 695      | 0.085 | ug/L # | 1      |
| 16) Methylene chloride         | 2.53 | 84   | 1191     | 0.135 | ug/L   | 83     |
| 17) Methyl tert-butyl Ether    | 2.79 | 73   | 1286     | 0.062 | ug/L # | 39     |
| 34) Trichloroethene            | 5.94 | 95   | 1541     | 0.119 | ug/L   | 95     |
| 35) Methylcyclohexane          | 6.10 | 83   | 16519    | 0.818 | ug/L # | 18     |
| 39) cis-1,3-Dichloropropene    | 7.01 | 75   | 1893     | 0.116 | ug/L # | 62     |
| 42) Toluene                    | 7.41 | 91   | 3911     | 0.076 | ug/L   | 91     |
| 46) trans-1,3-Dichloropropene  | 7.64 | 75   | 1503     | 0.106 | ug/L   | 88     |
| 49) Tetrachloroethene          | 7.99 | 164  | 1030     | 0.098 | ug/L # | 70     |
| 50) 2-Hexanone                 | 8.17 | 43   | 3910     | 0.866 | ug/L # | 85     |
| 51) Dibromochloromethane       | 8.00 | 129  | 1012     | 0.107 | ug/L # | 11     |

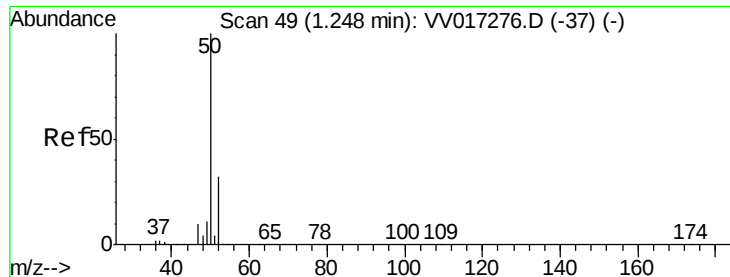
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV070120\  
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Sample : L3150-06  
Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
ETYJ1

Quant Time: Jul 02 03:06:23 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Jul 02 03:02:49 2020  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.075 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV017286.D

Acq: 01 Jul 2020 13:35

Instrument :

MSVOA\_V

ClientSampled :

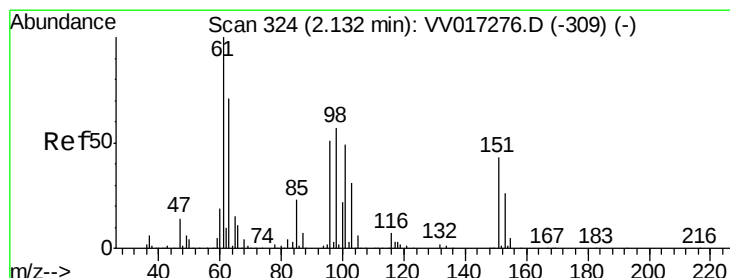
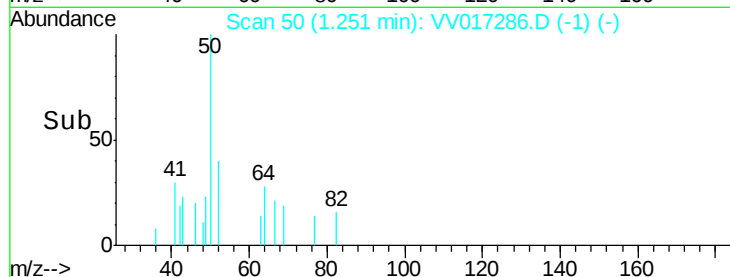
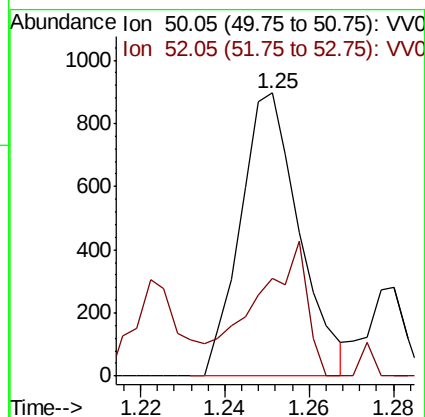
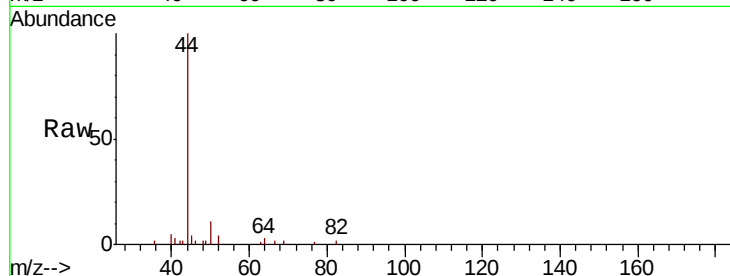
ETYJ1

Tot Ion: 50 Resp: 868

Ion Ratio Lower Upper

50 100

52 34.7 22.5 41.9



#10

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

Concen: 0.086 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017286.D

Acq: 01 Jul 2020 13:35

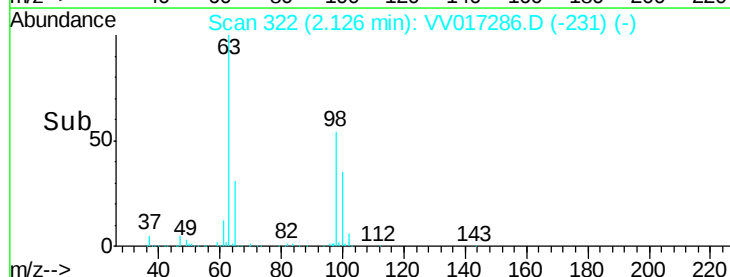
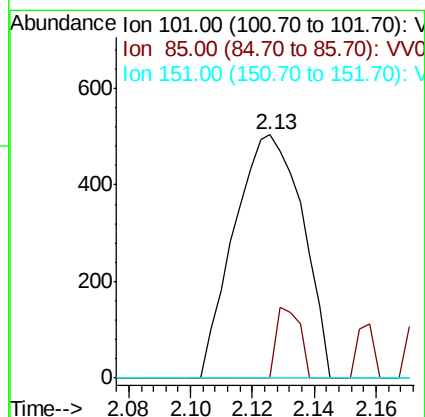
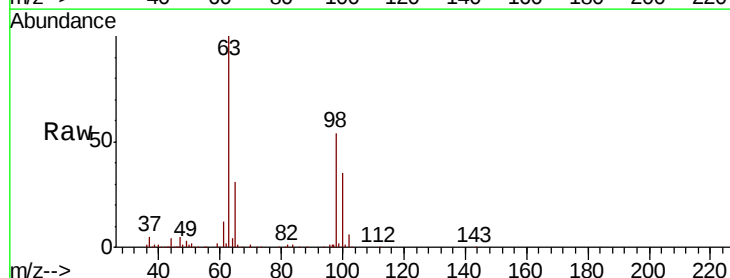
Tgt Ion: 101 Resp: 776

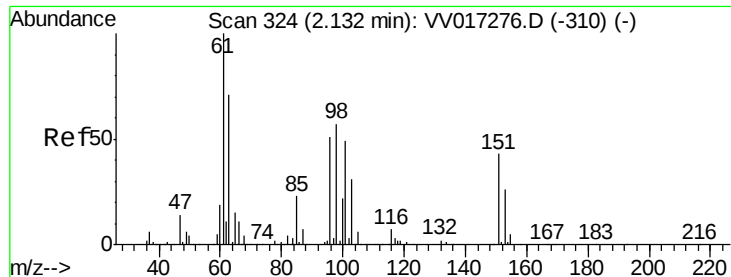
Ion Ratio Lower Upper

101 100

85 9.8 35.4 53.2#

151 0.0 63.9 95.9#





#12

1,1-Dichloroethene

Concen: 0.085 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017286.D

Acq: 01 Jul 2020 13:35

Instrument :

MSVOA\_V

ClientSampleId :

ETYJ1

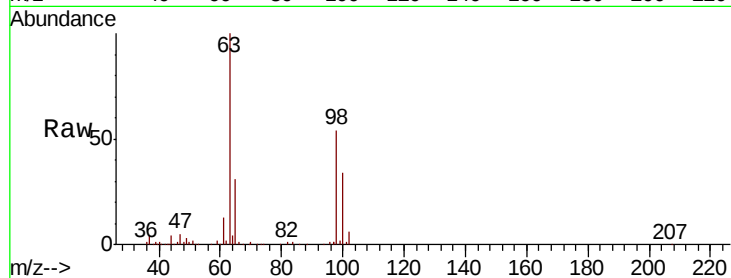
Tot Ion: 96 Resp: 695

Ion Ratio Lower Upper

96 100

61 1319.9 125.0 232.2#

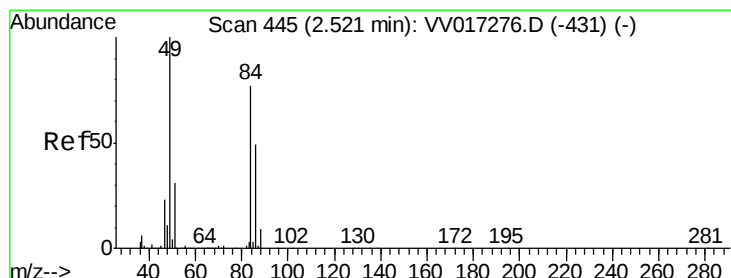
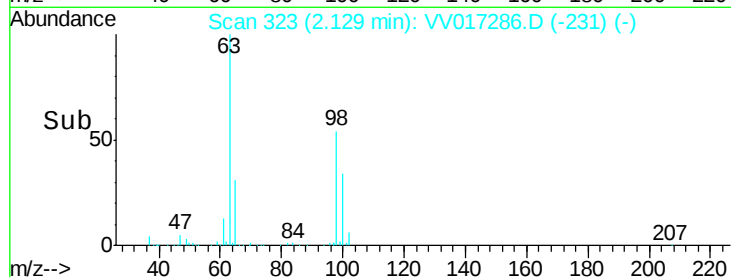
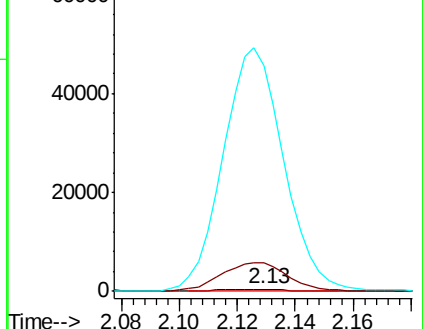
63 10534.9 109.8 203.8#



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



#16

Methylene chloride

Concen: 0.135 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.01 min

Lab File: VV017286.D

Acq: 01 Jul 2020 13:35

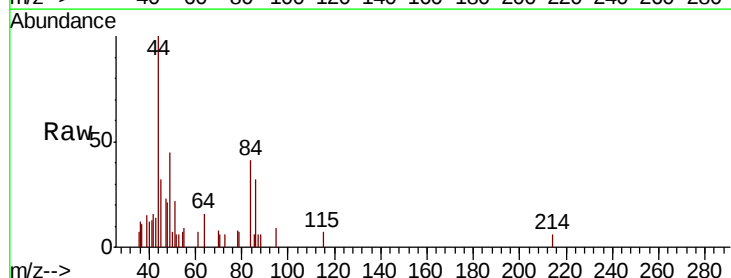
Tgt Ion: 84 Resp: 1191

Ion Ratio Lower Upper

84 100

86 79.3 45.8 85.0

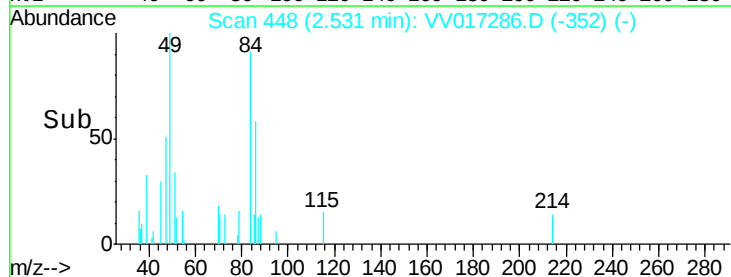
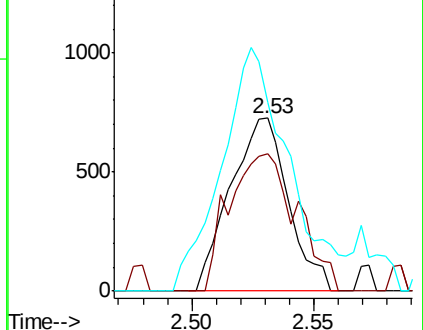
49 109.5 89.6 166.4

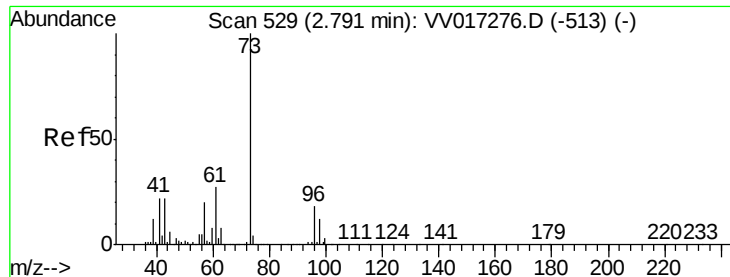


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

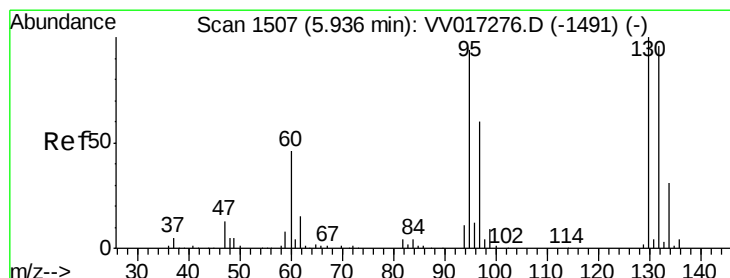
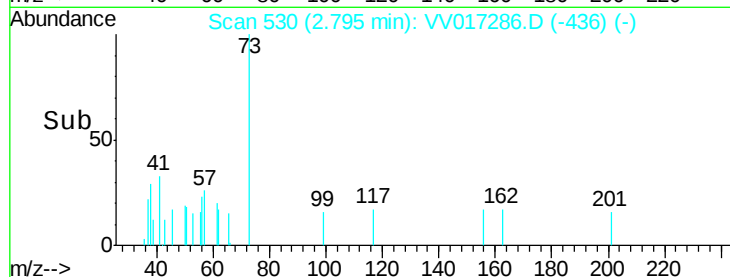
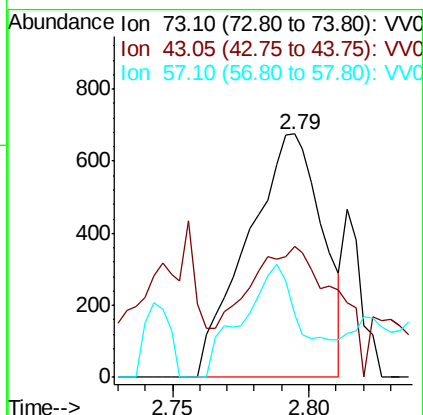
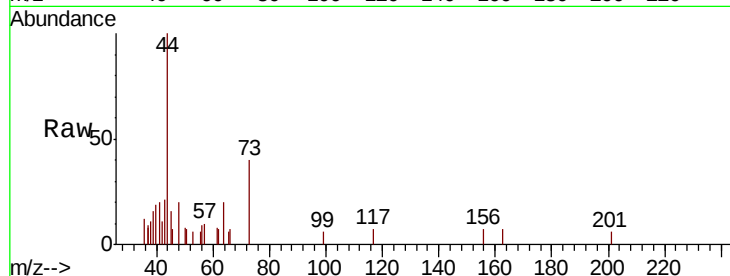




#17  
Methvl tert-butvl Ether  
Concen: 0.062 ug/L  
RT: 2.79 min Scan# 530  
Delta R.T. 0.00 min  
Lab File: VV017286.D  
Acq: 01 Jul 2020 13:35

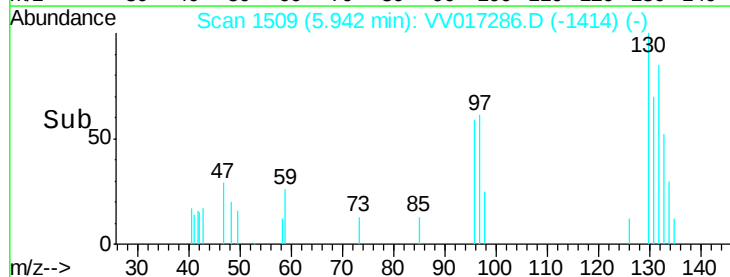
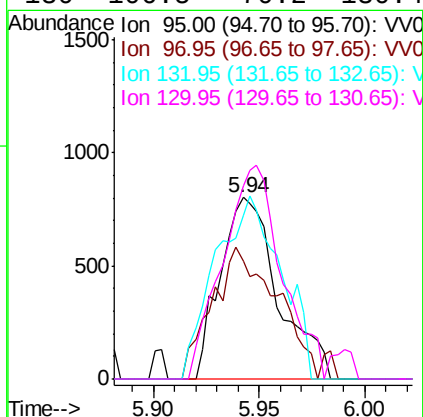
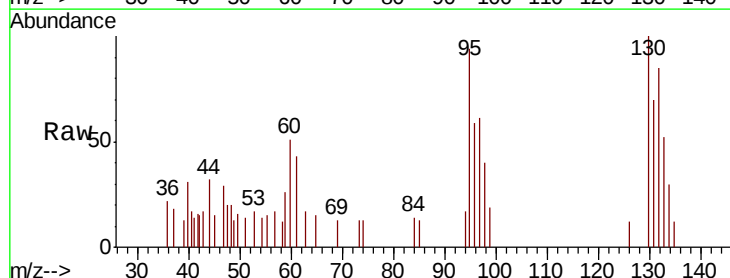
Instrument :  
MSVOA\_V  
ClientSampled :  
ETYJ1

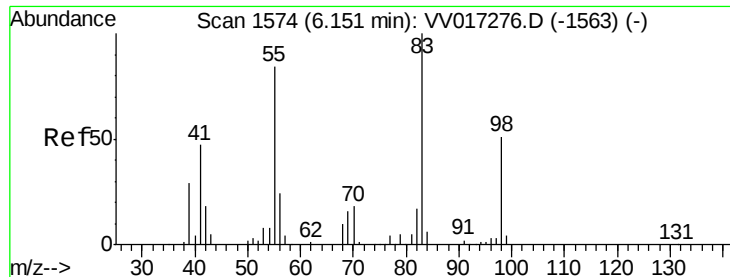
Tot Ion: 73 Resp: 1286  
Ion Ratio Lower Upper  
73 100  
43 64.5 18.6 28.0#  
57 36.4 16.4 24.6#



#34  
Trichloroethene  
Concen: 0.119 ug/L  
RT: 5.94 min Scan# 1509  
Delta R.T. 0.01 min  
Lab File: VV017286.D  
Acq: 01 Jul 2020 13:35

Tgt Ion: 95 Resp: 1541  
Ion Ratio Lower Upper  
95 100  
97 64.7 45.3 84.1  
132 90.5 68.8 127.8  
130 106.5 70.2 130.4

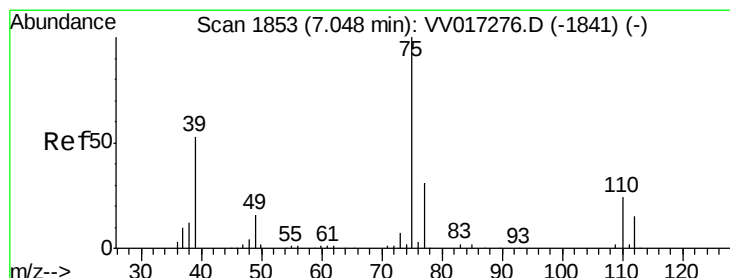
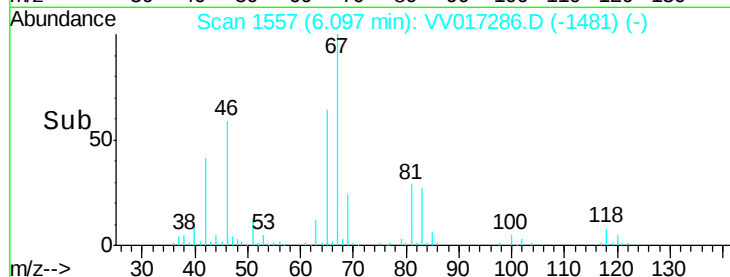
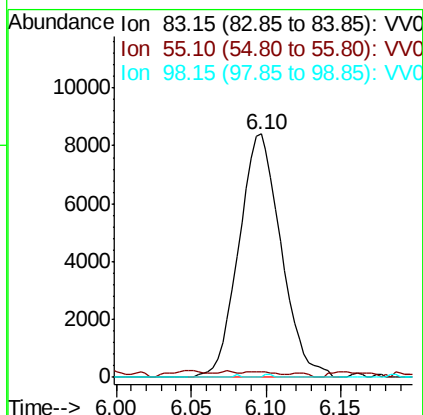
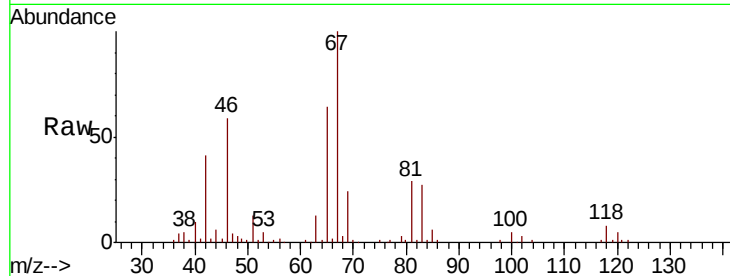




#35  
Methvlcvclohexane  
Concen: 0.818 ug/L  
RT: 6.10 min Scan# 1557  
Delta R.T. -0.05 min  
Lab File: VV017286.D  
Acq: 01 Jul 2020 13:35

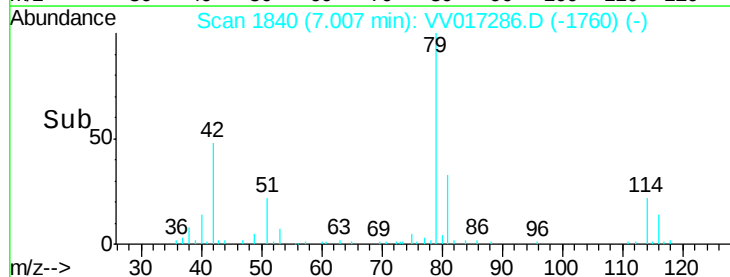
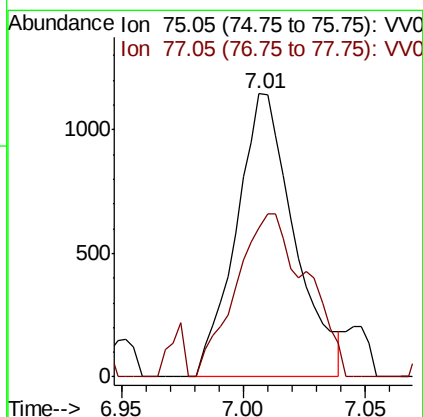
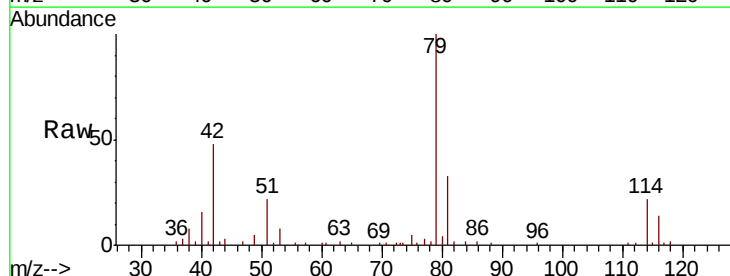
Instrument :  
MSVOA\_V  
ClientSampled :  
ETYJ1

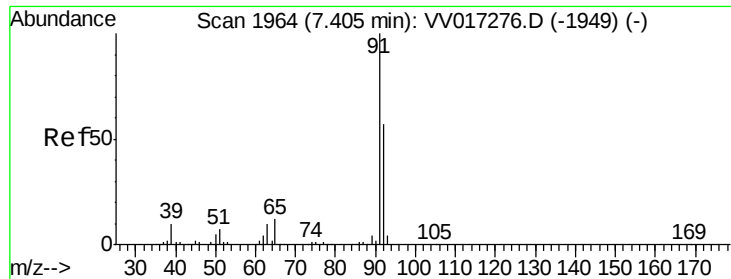
Tot Ion: 83 Resp: 16519  
Ion Ratio Lower Upper  
83 100  
55 1.7 63.6 95.4#  
98 0.3 38.8 58.2#



#39  
cis-1,3-Dichloropropene  
Concen: 0.116 ug/L  
RT: 7.01 min Scan# 1840  
Delta R.T. -0.04 min  
Lab File: VV017286.D  
Acq: 01 Jul 2020 13:35

Tgt Ion: 75 Resp: 1893  
Ion Ratio Lower Upper  
75 100  
77 52.8 22.3 41.5#





#42

Toluene

Concen: 0.076 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV017286.D

Acq: 01 Jul 2020 13:35

Instrument :

MSVOA\_V

ClientSampleId :

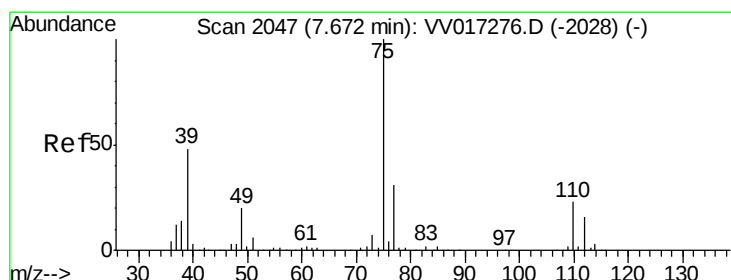
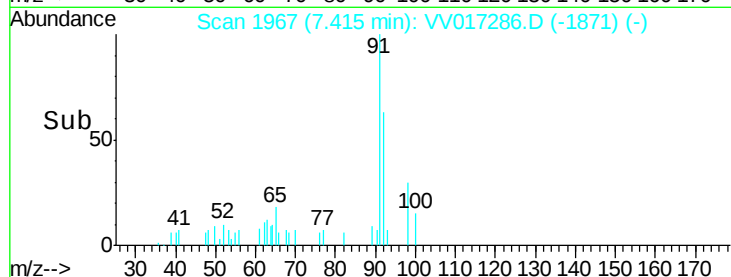
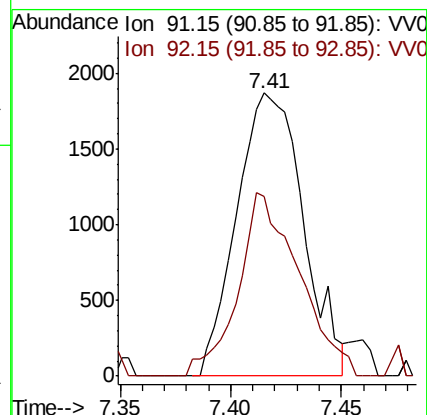
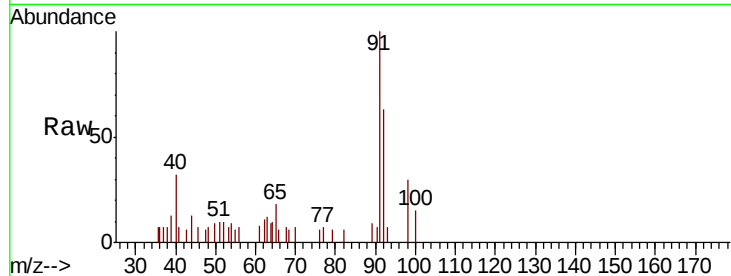
ETYJ1

Tot Ion: 91 Resp: 3911

Ion Ratio Lower Upper

91 100

92 63.5 39.9 74.1



#46

trans-1,3-Dichloropropene

Concen: 0.106 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV017286.D

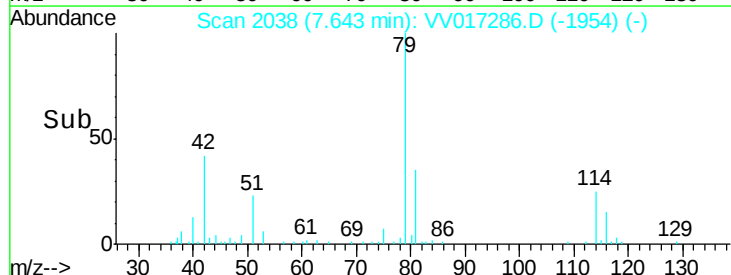
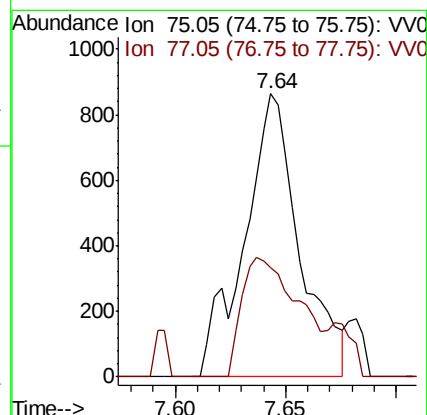
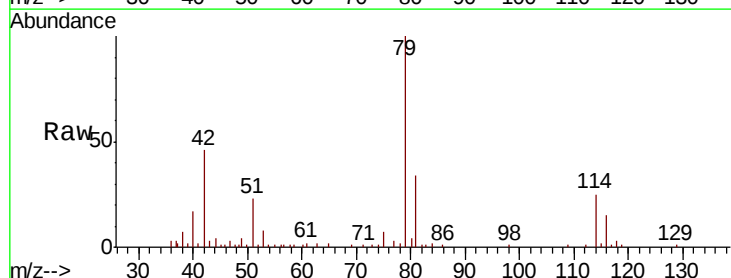
Acq: 01 Jul 2020 13:35

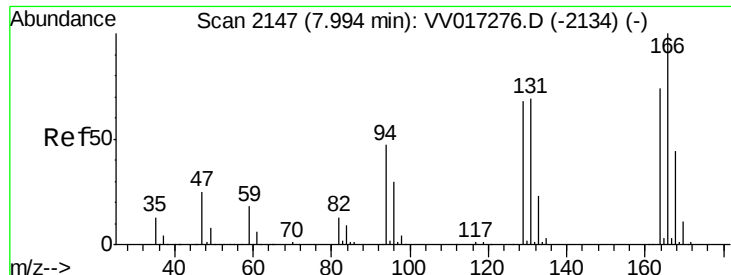
Tgt Ion: 75 Resp: 1503

Ion Ratio Lower Upper

75 100

77 38.7 22.3 41.3





#49

Tetrachloroethene

Concen: 0.098 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VV017286.D

Acq: 01 Jul 2020 13:35

Instrument :

MSVOA\_V

ClientSampleId :

ETYJ1

Tot Ion:164 Resp: 1030

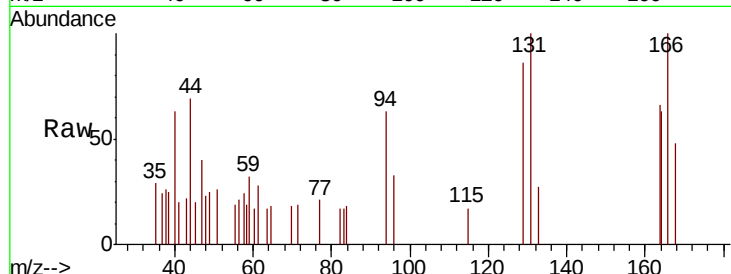
Ion Ratio Lower Upper

164 100

129 67.2 65.2 121.0

131 77.8 64.1 119.1

166 77.9 90.2 167.4#



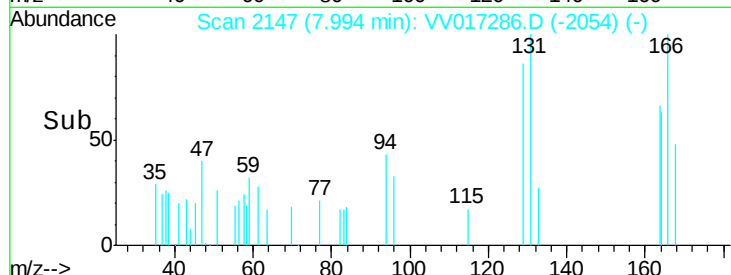
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

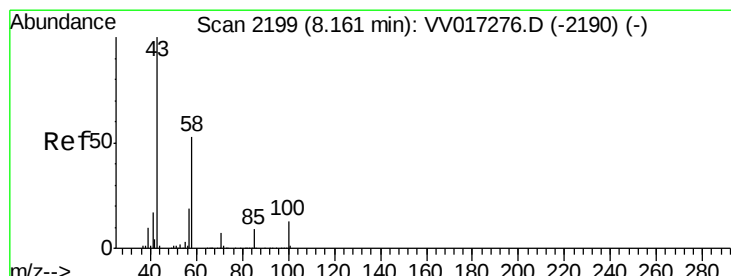
Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

Time-->



Time-->



#50

2-Hexanone

Concen: 0.866 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV017286.D

Acq: 01 Jul 2020 13:35

Tgt Ion: 43 Resp: 3910

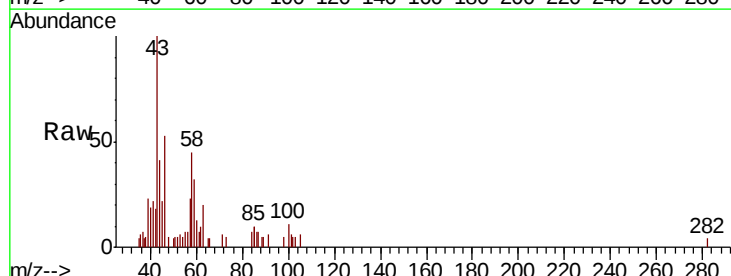
Ion Ratio Lower Upper

43 100

58 63.5 41.6 62.4#

57 28.9 15.4 23.0#

100 11.5 10.1 15.1



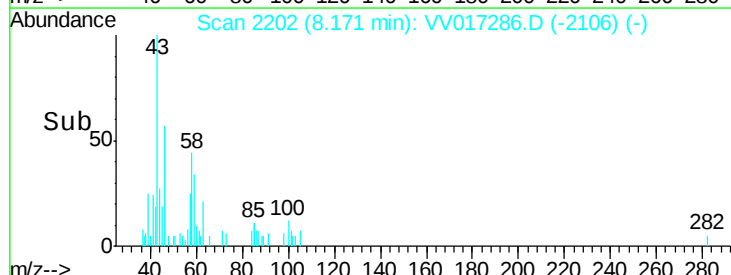
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

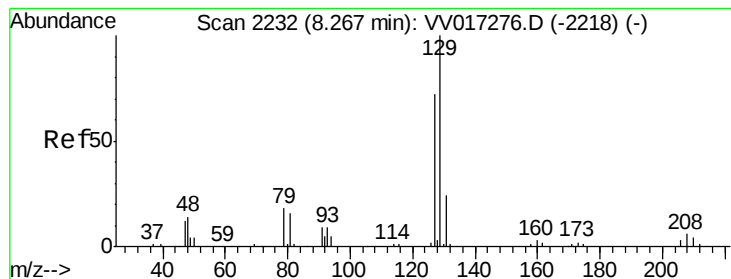
Ion 100.15 (99.85 to 100.85): VV0

Time-->



Time-->

Time-->



#51

Dibromochloromethane

Concen: 0.107 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV017286.D

Acq: 01 Jul 2020 13:35

Instrument :

MSVOA\_V

ClientSampleId :

ETYJ1

Tot Ion:129 Resp: 1012

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#

