

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070120\  
 Data File : VV017289.D  
 Acq On : 01 Jul 2020 14:46  
 Operator : SY/MD  
 Sample : L3150-09  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETYJ4

Quant Time: Jul 02 03:06:55 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  | 175730   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 173150   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 83096    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 40938    | 3.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 77.60%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 36775    | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 96.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 66956    | 3.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.80%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 112484   | 41.85    | ug/L | 0.01    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 83.70%  |
| 24) Chloroform-d               | 4.38   | 84    | 114531   | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.60% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 63288    | 5.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 105.80% |
| 32) Benzene-d6                 | 5.07   | 84    | 201692   | 4.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 60643    | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.20%  |
| 41) Toluene-d8                 | 7.34   | 98    | 174145   | 4.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 82.60%  |
| 45) trans-1,3-Dichloropropene- | 7.65   | 79    | 22347    | 3.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 79.80%  |
| 48) 2-Hexanone-d5              | 8.12   | 63    | 92170    | 43.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 86.38%  |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 45435    | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 101.60% |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 75184    | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 97.80%  |

## Target Compounds

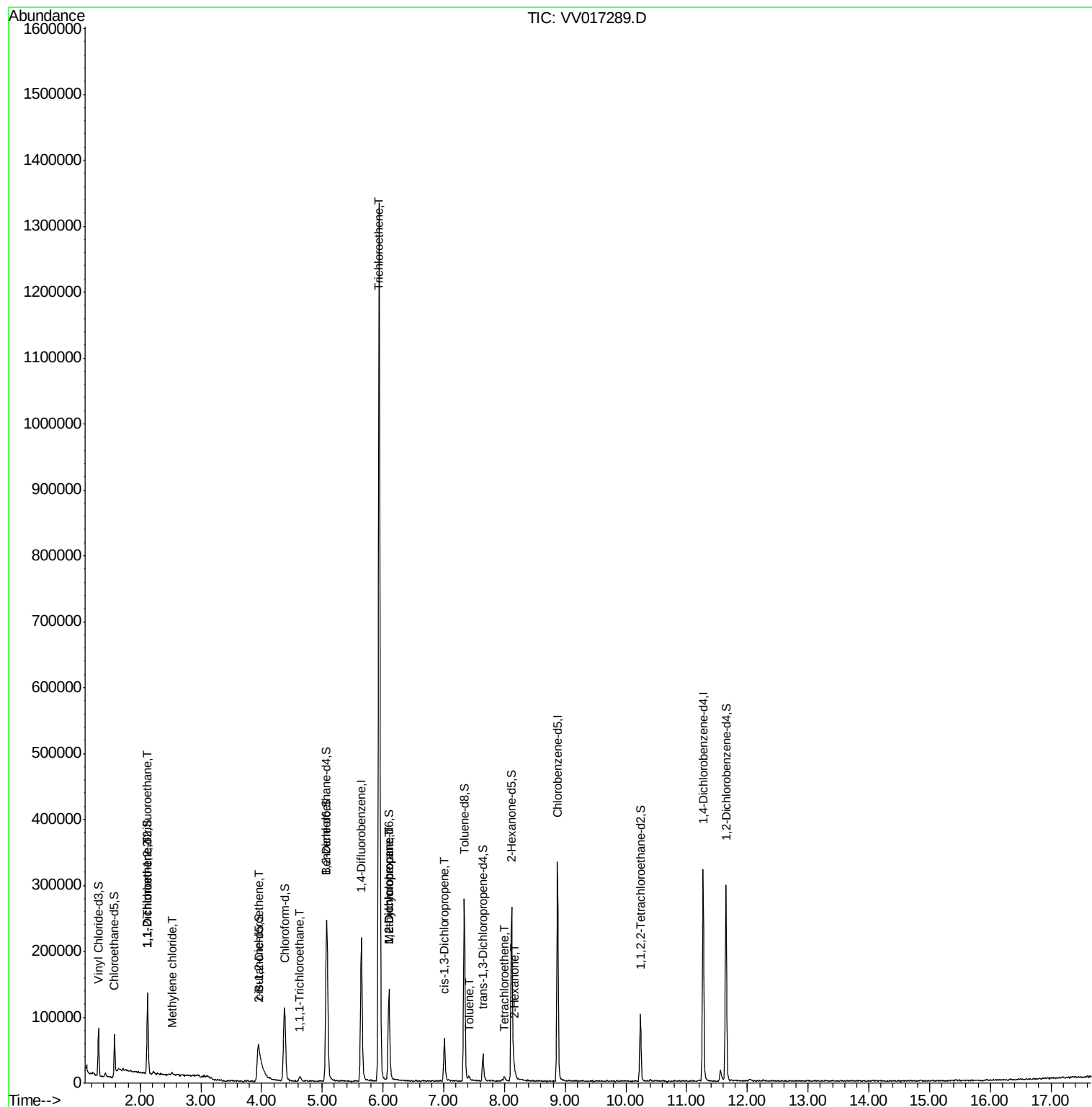
| Target Compounds               | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|--------------------------------|------|------|----------|--------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101  | 982      | 0.106  | ug/L # | 20     |
| 12) 1,1-Dichloroethene         | 2.13 | 96   | 700      | 0.083  | ug/L # | 1      |
| 16) Methylene chloride         | 2.52 | 84   | 1279     | 0.142  | ug/L   | 84     |
| 22) cis-1,2-Dichloroethene     | 3.94 | 96   | 15575    | 1.274  | ug/L   | 98     |
| 29) 1,1,1-Trichloroethane      | 4.64 | 97   | 4788     | 0.231  | ug/L   | 91     |
| 34) Trichloroethene            | 5.94 | 95   | 441921   | 33.283 | ug/L   | 98     |
| 35) Methylcyclohexane          | 6.10 | 83   | 16043    | 0.777  | ug/L # | 17     |
| 37) 1,2-Dichloropropane        | 6.10 | 63   | 7139     | 0.636  | ug/L # | 84     |
| 39) cis-1,3-Dichloropropene    | 7.01 | 75   | 1928     | 0.116  | ug/L # | 55     |
| 42) Toluene                    | 7.42 | 91   | 4620     | 0.088  | ug/L   | 99     |
| 49) Tetrachloroethene          | 8.00 | 164  | 1686     | 0.158  | ug/L   | 73     |
| 50) 2-Hexanone                 | 8.17 | 43   | 2685     | 0.582  | ug/L # | 84     |

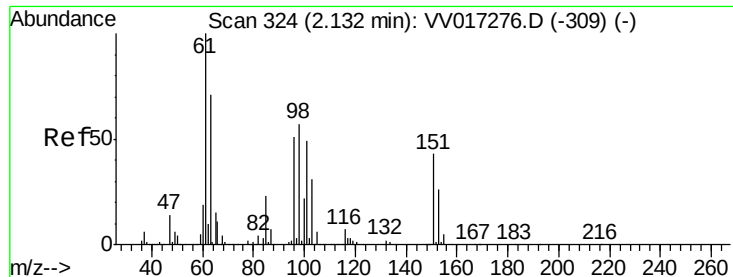
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV070120\  
Data File : VV017289.D  
Acq On : 01 Jul 2020 14:46  
Operator : SY/MD  
Sample : L3150-09  
Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
ETYJ4

Quant Time: Jul 02 03:06:55 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





#10

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

Concen: 0.106 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017289.D

Acq: 01 Jul 2020 14:46

Instrument :

MSVOA\_V

ClientSampleId :

ETYJ4

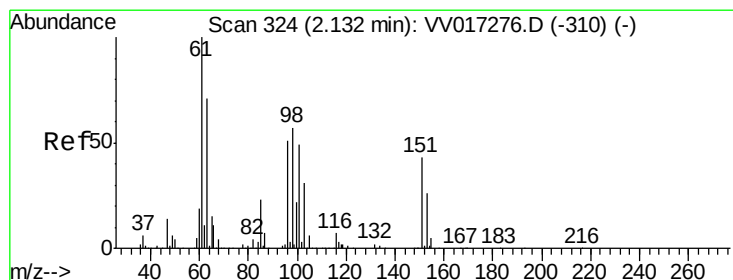
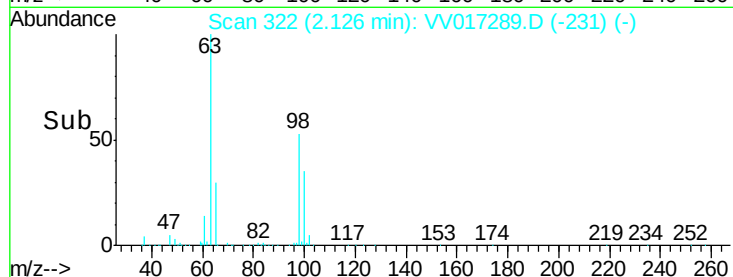
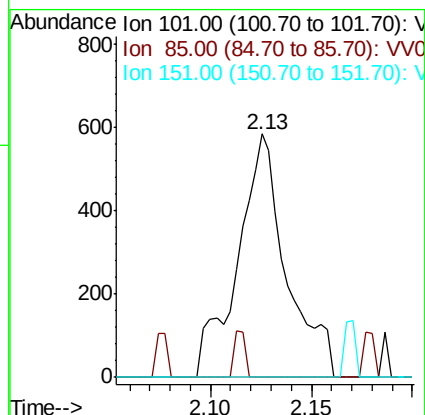
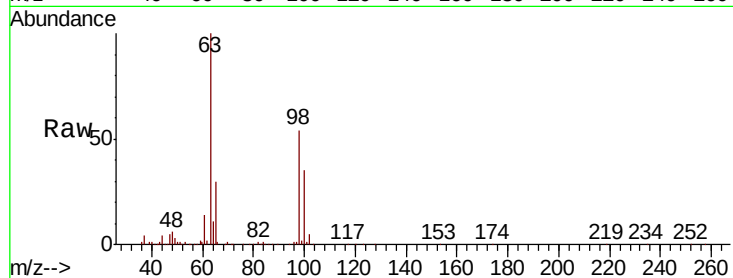
Tot Ion:101 Resp: 982

Ion Ratio Lower Upper

101 100

85 4.3 35.4 53.2#

151 0.0 63.9 95.9#



#12

1,1-Dichloroethene

Concen: 0.083 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017289.D

Acq: 01 Jul 2020 14:46

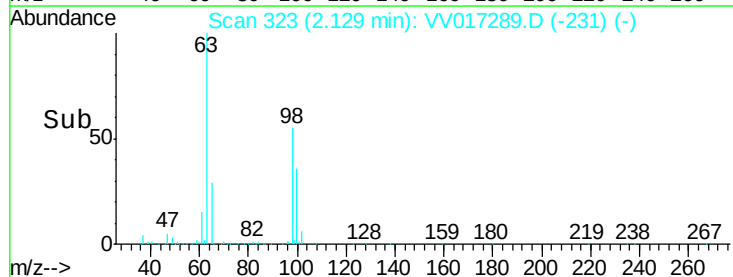
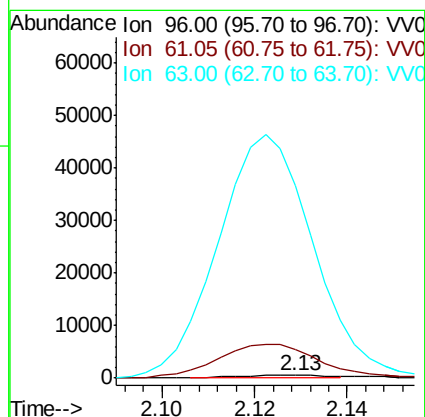
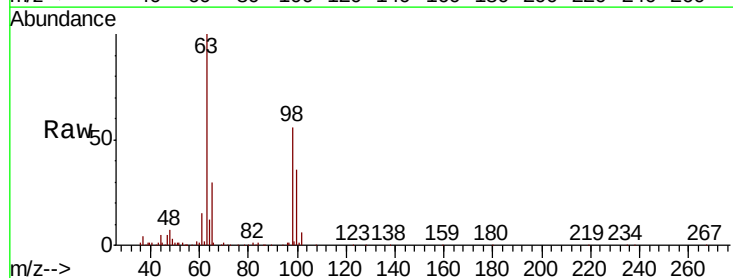
Tgt Ion: 96 Resp: 700

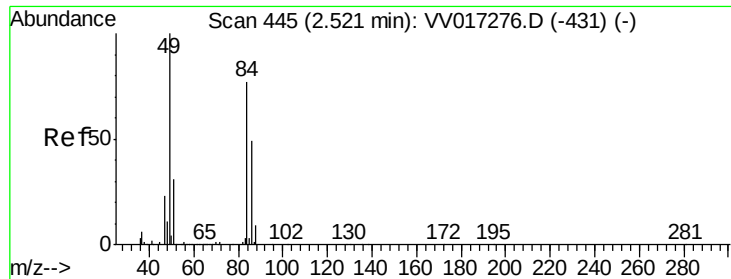
Ion Ratio Lower Upper

96 100

61 1042.1 125.0 232.2#

63 7011.5 109.8 203.8#

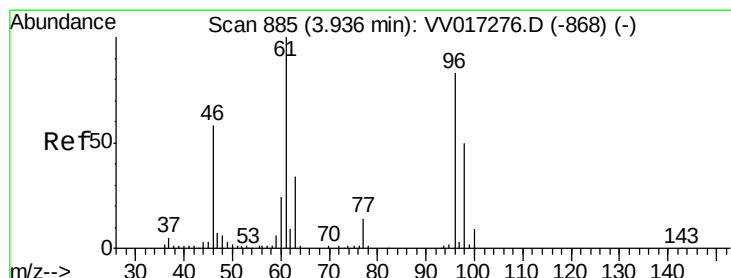
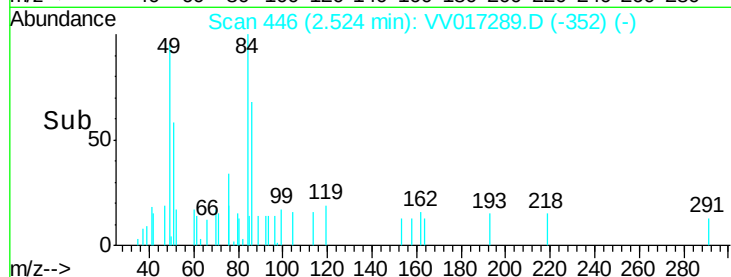
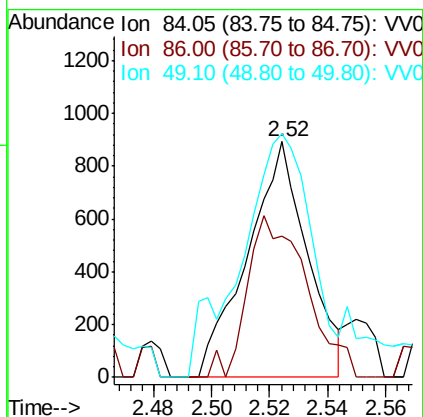
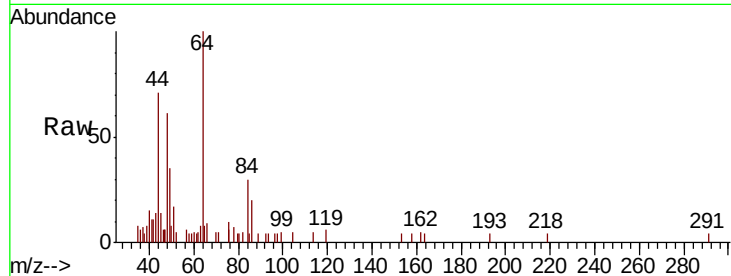




#16  
Methylene chloride  
Concen: 0.142 ug/L  
RT: 2.52 min Scan# 446  
Delta R.T. 0.00 min  
Lab File: VV017289.D  
Acq: 01 Jul 2020 14:46

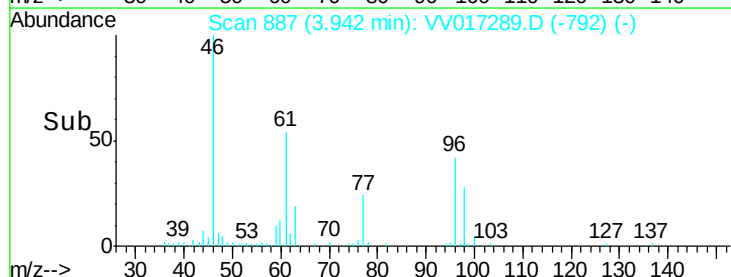
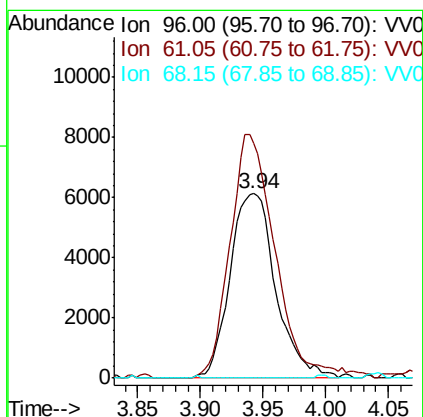
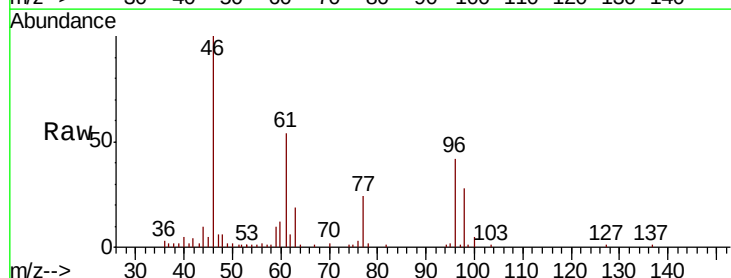
Instrument :  
MSVOA\_V  
ClientSampled :  
ETYJ4

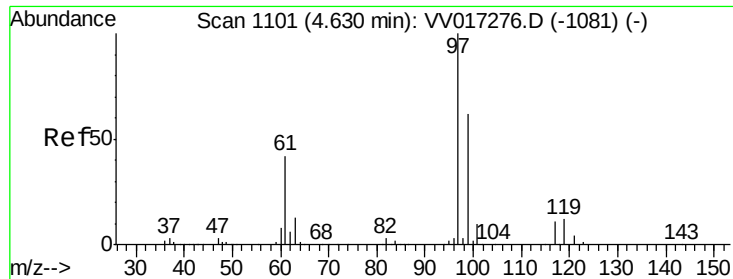
Tot Ion: 84 Resp: 1279  
Ion Ratio Lower Upper  
84 100  
86 60.0 45.8 85.0  
49 103.4 89.6 166.4



#22  
cis-1,2-Dichloroethene  
Concen: 1.274 ug/L  
RT: 3.94 min Scan# 887  
Delta R.T. 0.01 min  
Lab File: VV017289.D  
Acq: 01 Jul 2020 14:46

Tgt Ion: 96 Resp: 15575  
Ion Ratio Lower Upper  
96 100  
61 127.5 91.0 169.0  
68 0.0 0.0 0.0

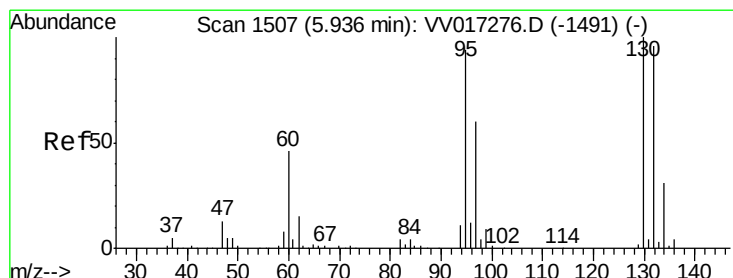
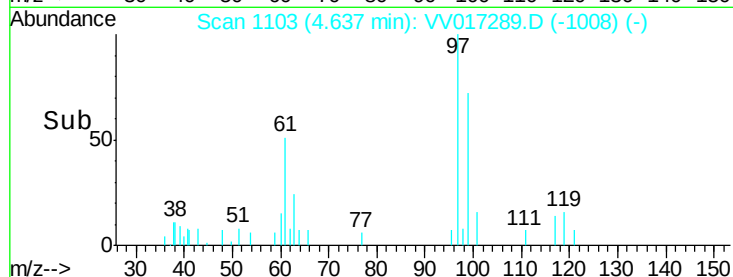
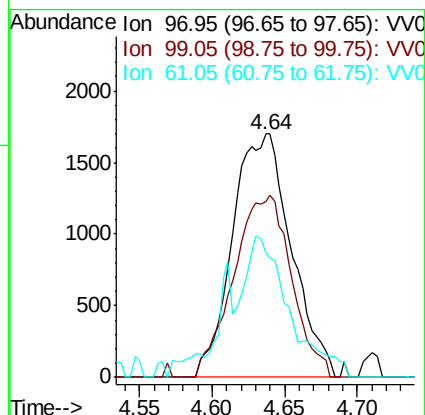
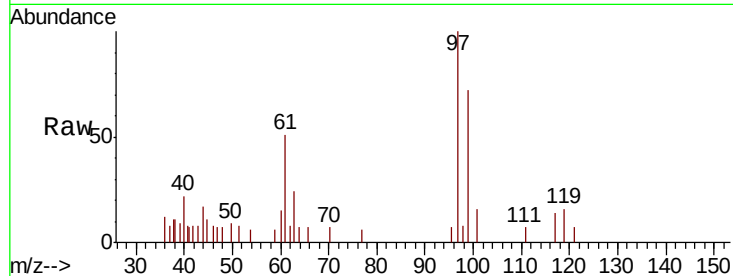




#29  
1,1,1-Trichloroethane  
Concen: 0.231 ug/L  
RT: 4.64 min Scan# 1103  
Delta R.T. 0.01 min  
Lab File: VV017289.D  
Acq: 01 Jul 2020 14:46

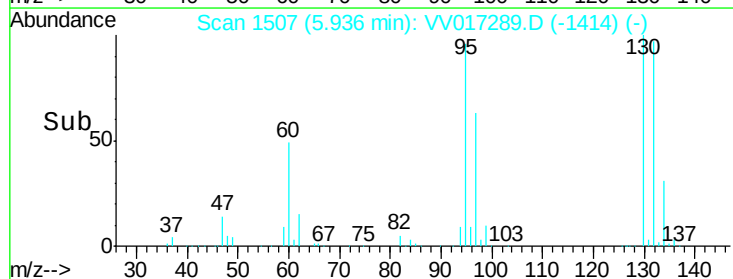
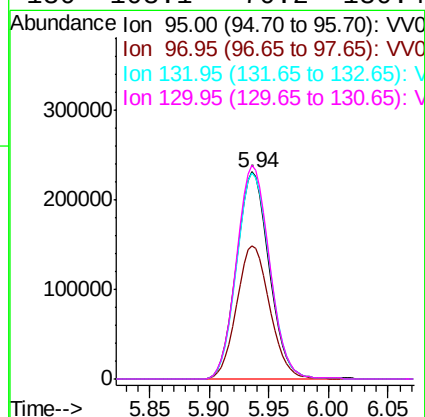
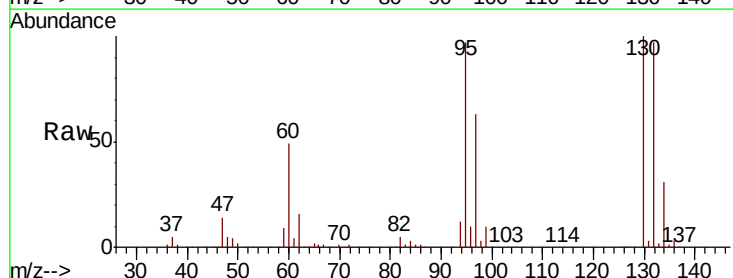
Instrument :  
MSVOA\_V  
ClientSampled :  
ETYJ4

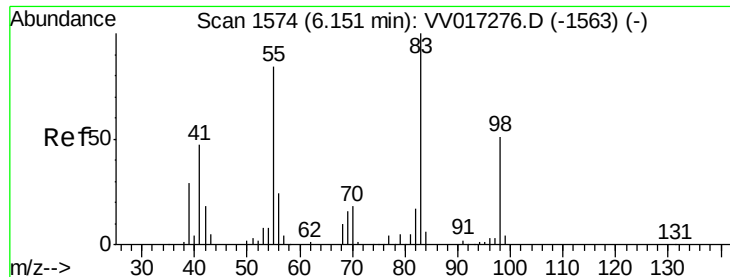
Tot Ion: 97 Resp: 4788  
Ion Ratio Lower Upper  
97 100  
99 73.6 50.3 75.5  
61 43.4 36.0 54.0



#34  
Trichloroethene  
Concen: 33.283 ug/L  
RT: 5.94 min Scan# 1507  
Delta R.T. -0.00 min  
Lab File: VV017289.D  
Acq: 01 Jul 2020 14:46

Tgt Ion: 95 Resp: 441921  
Ion Ratio Lower Upper  
95 100  
97 64.6 45.3 84.1  
132 99.6 68.8 127.8  
130 103.1 70.2 130.4

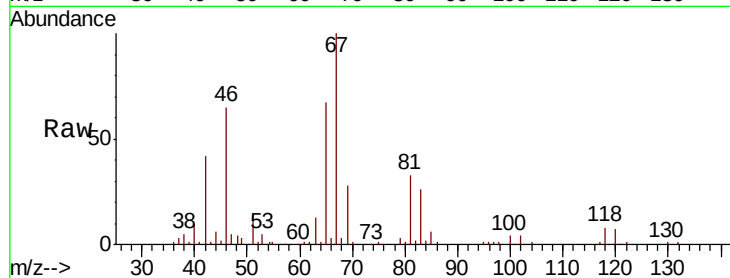




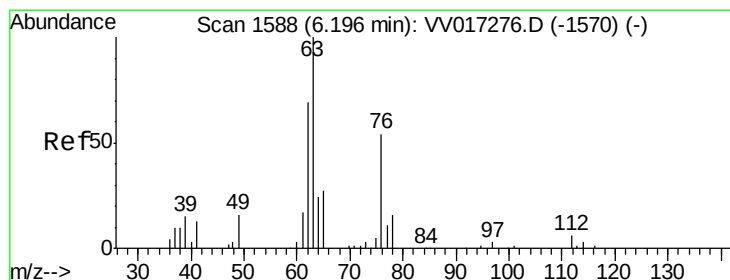
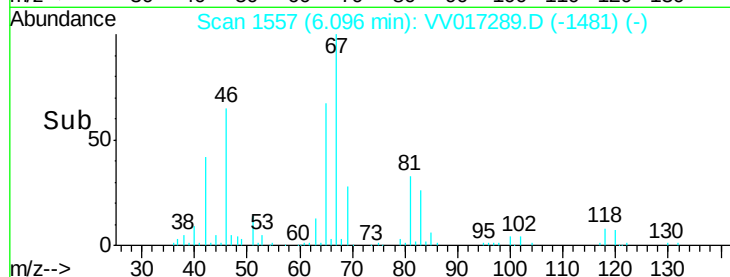
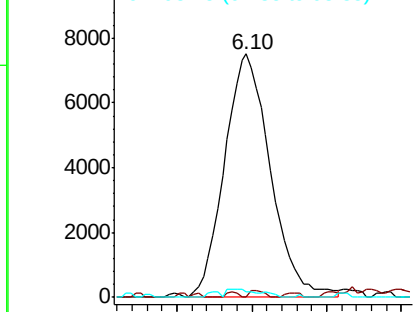
#35  
Methylvlcyclohexane  
Concen: 0.777 ug/L  
RT: 6.10 min Scan# 1557  
Delta R.T. -0.05 min  
Lab File: VV017289.D  
Acq: 01 Jul 2020 14:46

Instrument :  
MSVOA\_V  
ClientSampleId :  
ETYJ4

Tot Ion: 83 Resp: 16043  
Ion Ratio Lower Upper  
83 100  
55 0.9 63.6 95.4#  
98 0.0 38.8 58.2#

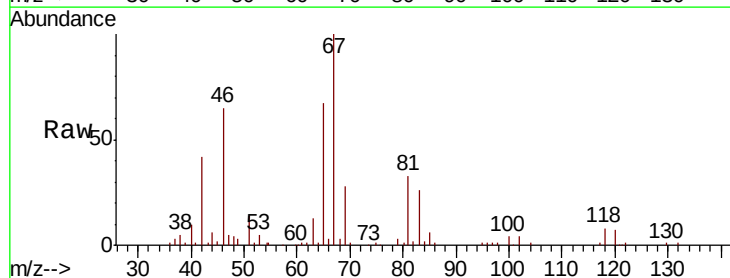


Abundance Ion 83.15 (82.85 to 83.85): VV0  
Ion 55.10 (54.80 to 55.80): VV0  
Ion 98.15 (97.85 to 98.85): VV0

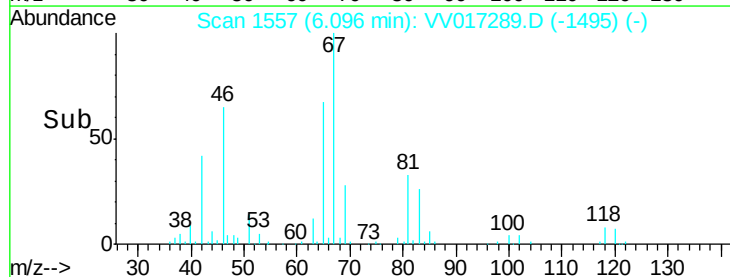
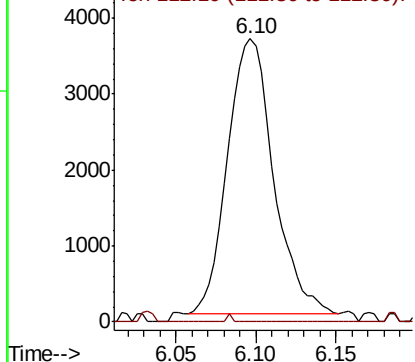


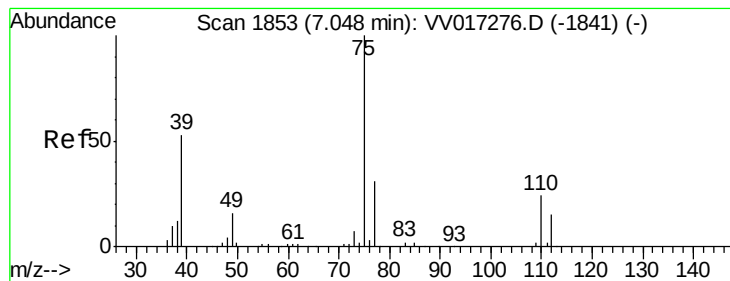
#37  
1,2-Dichloropropane  
Concen: 0.636 ug/L  
RT: 6.10 min Scan# 1557  
Delta R.T. -0.10 min  
Lab File: VV017289.D  
Acq: 01 Jul 2020 14:46

Tgt Ion: 63 Resp: 7139  
Ion Ratio Lower Upper  
63 100  
112 0.3 4.4 6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0  
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.116 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV017289.D

Acq: 01 Jul 2020 14:46

Instrument :

MSVOA\_V

ClientSampleId :

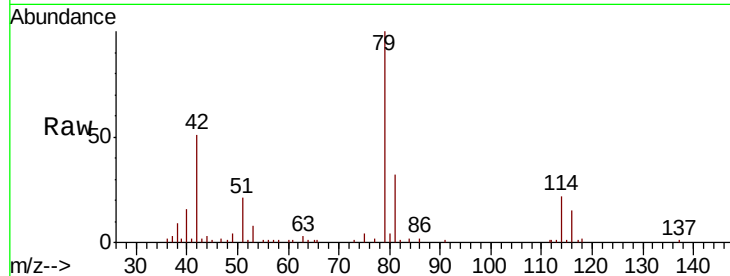
ETYJ4

Tot Ion: 75 Resp: 1928

Ion Ratio Lower Upper

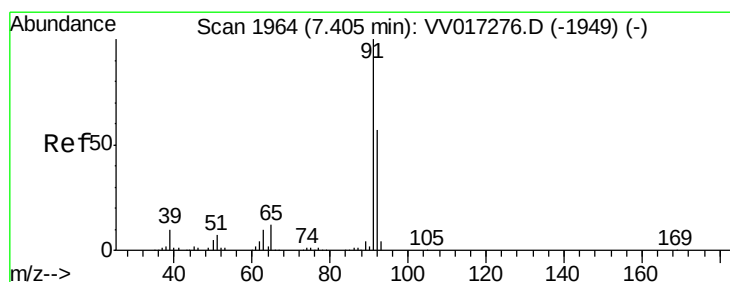
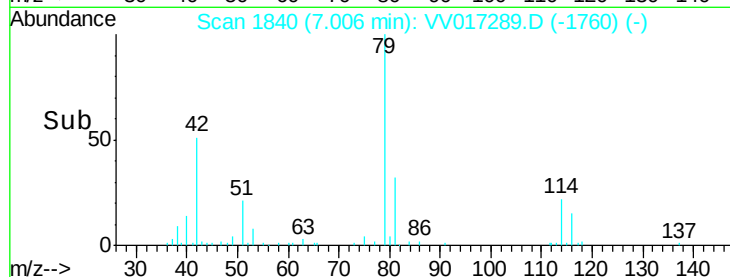
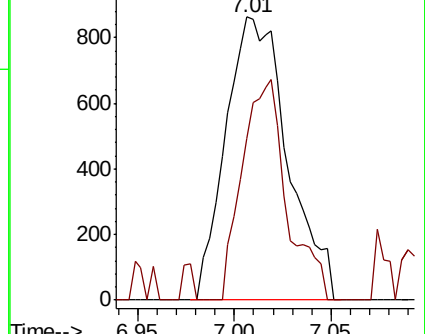
75 100

77 57.0 22.3 41.5#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#42

Toluene

Concen: 0.088 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV017289.D

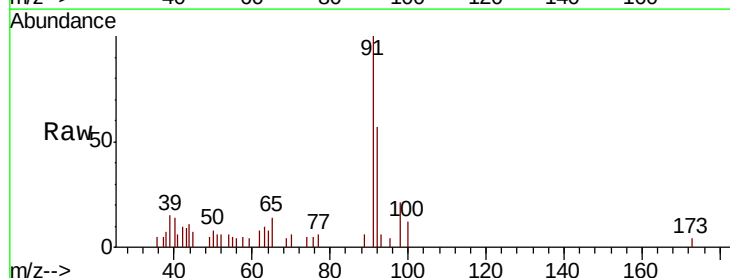
Acq: 01 Jul 2020 14:46

Tgt Ion: 91 Resp: 4620

Ion Ratio Lower Upper

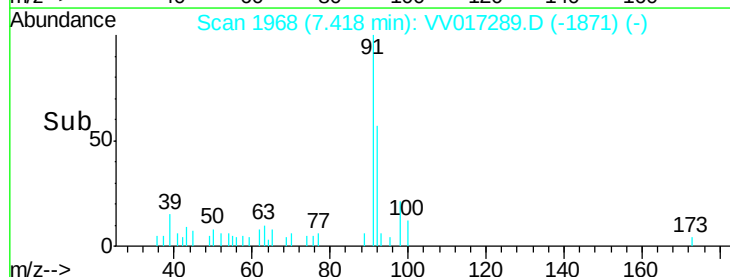
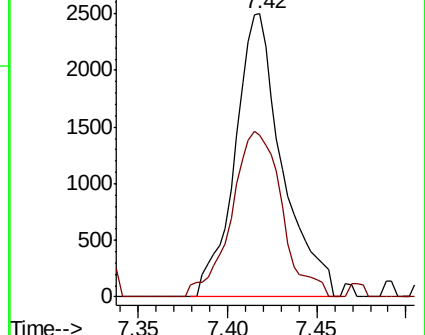
91 100

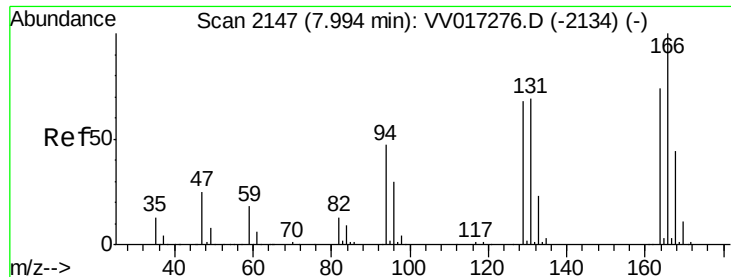
92 57.4 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0





#49

Tetrachloroethene

Concen: 0.158 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV017289.D

Acq: 01 Jul 2020 14:46

Instrument :

MSVOA\_V

ClientSampleId :

ETYJ4

Tot Ion:164 Resp: 1686

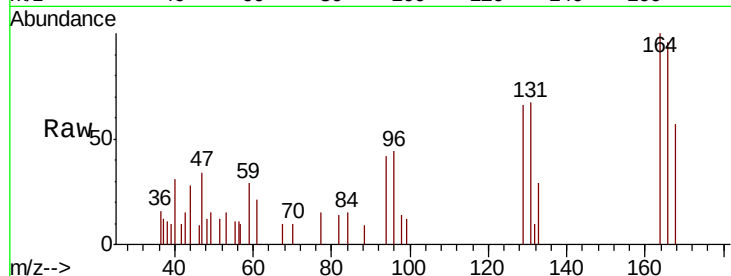
Ion Ratio Lower Upper

164 100

129 66.4 65.2 121.0

131 67.3 64.1 119.1

166 96.4 90.2 167.4

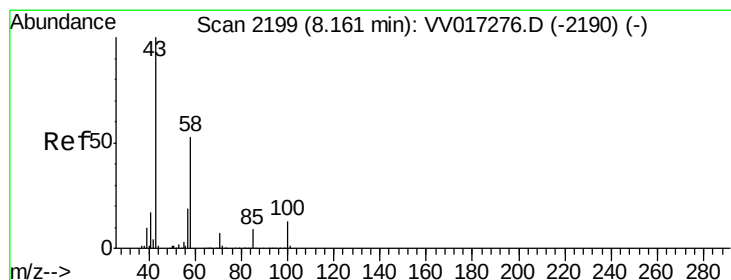
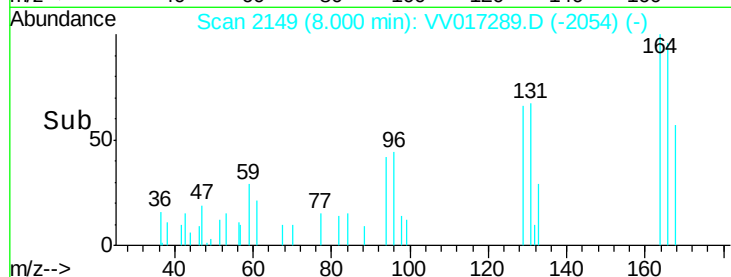
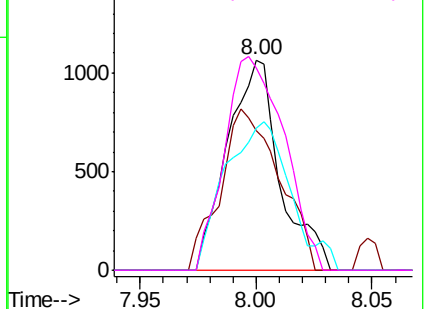


Abundance Ion 163.90 (163.60 to 164.60): V

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



#50

2-Hexanone

Concen: 0.582 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV017289.D

Acq: 01 Jul 2020 14:46

Tgt Ion: 43 Resp: 2685

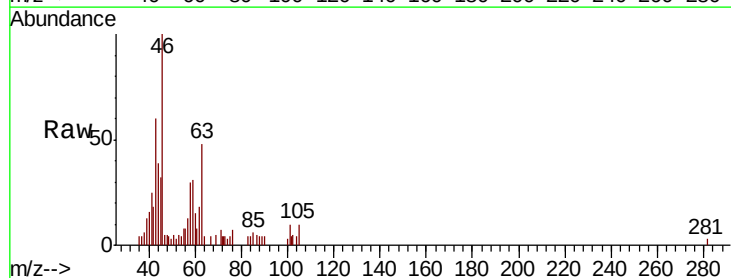
Ion Ratio Lower Upper

43 100

58 57.3 41.6 62.4

57 0.0 15.4 23.0#

100 8.5 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

