

Data File : VV013214.D  
Acq On : 18 Oct 2019 20:24  
Operator : SY/MD  
Sample : K5321-21  
Misc : 25.00ML/MSVOA\_V/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
E0AB8

Quant Time: Oct 19 04:29:12 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR101819WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Oct 19 04:23:16 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.68  | 114  | 430166   | 5.00 | ug/L  | 0.02     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 463133   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 231263   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 213610   | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 96.60%  |
| 7) Chloroethane-d5             | 1.60   | 69    | 178973   | 5.13     | ug/L | 0.02    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 102.60% |
| 11) 1,1-Dichloroethene-d2      | 2.16   | 63    | 192394   | 2.81     | ug/L | 0.04    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 56.20%# |
| 20) 2-Butanone-d5              | 4.03   | 46    | 479234   | 53.00    | ug/L | 0.06    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 106.00% |
| 24) Chloroform-d               | 4.43   | 84    | 424272   | 5.01     | ug/L | 0.04    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.20% |
| 26) 1,2-Dichloroethane-d4      | 5.11   | 65    | 207339   | 5.16     | ug/L | 0.03    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.20% |
| 32) Benzene-d6                 | 5.12   | 84    | 864048   | 4.89     | ug/L | 0.03    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.13   | 67    | 261746   | 4.96     | ug/L | 0.02    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.20%  |
| 41) Toluene-d8                 | 7.37   | 98    | 709081   | 4.51     | ug/L | 0.01    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.20%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 86342    | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.80%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 364766   | 48.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 96.56%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 176588   | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 93.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 275664   | 5.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 112.40% |

#### Target Compounds

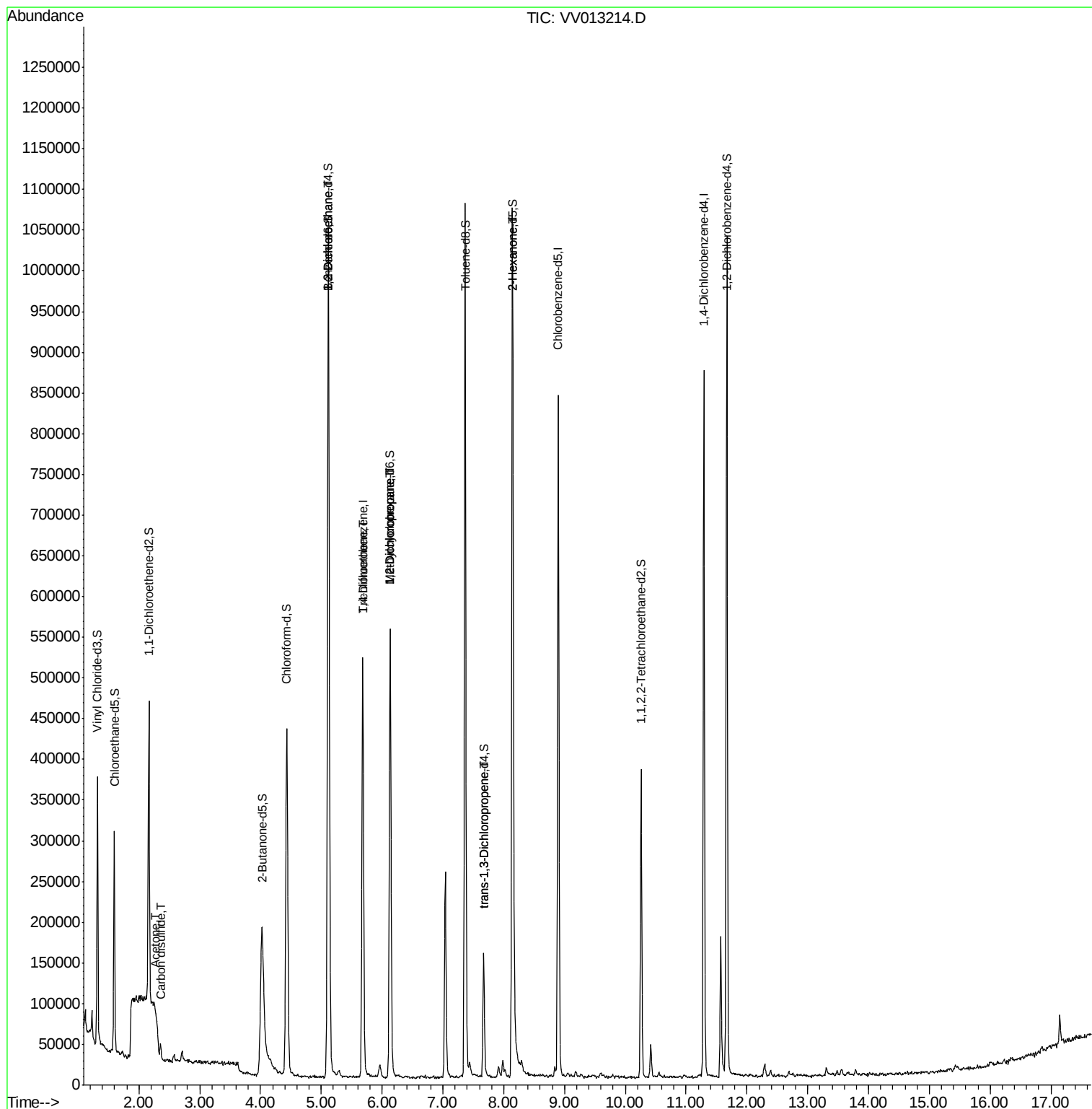
|                               |      |    |       |              | Qvalue |
|-------------------------------|------|----|-------|--------------|--------|
| 13) Acetone                   | 2.28 | 43 | 9021  | 2.179 ug/L   | 82     |
| 14) Carbon disulfide          | 2.35 | 76 | 21018 | 0.214 ug/L # | 93     |
| 27) 1,2-Dichloroethane        | 5.12 | 62 | 5250  | 0.111 ug/L   | 95     |
| 34) Trichloroethene           | 5.68 | 95 | 11265 | 0.233 ug/L # | 5      |
| 35) Methylcyclohexane         | 6.13 | 83 | 63230 | 0.852 ug/L # | 18     |
| 37) 1,2-Dichloropropane       | 6.13 | 63 | 27610 | 0.600 ug/L # | 87     |
| 44) trans-1,3-Dichloropropene | 7.67 | 75 | 4178  | 0.088 ug/L # | 62     |
| 48) 2-Hexanone                | 8.14 | 43 | 51103 | 2.844 ug/L # | 79     |

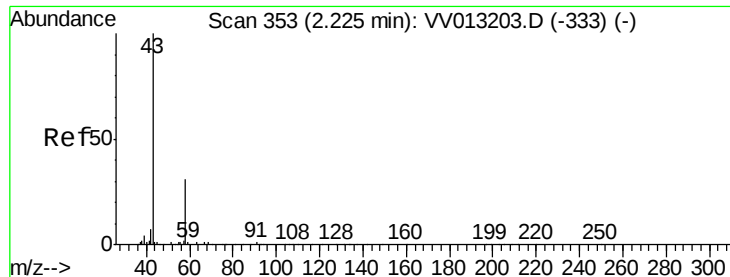
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.179 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.05 min

Lab File: VV013214.D

Acq: 18 Oct 2019 20:24

Instrument :

MSVOA\_V

ClientSampleId :

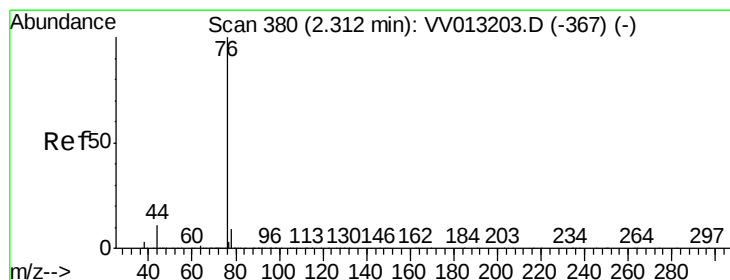
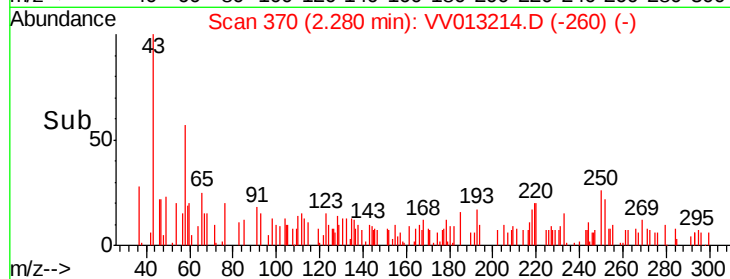
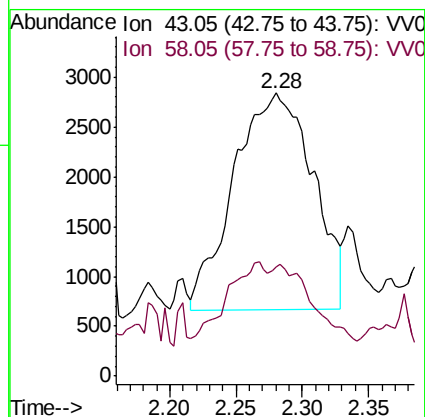
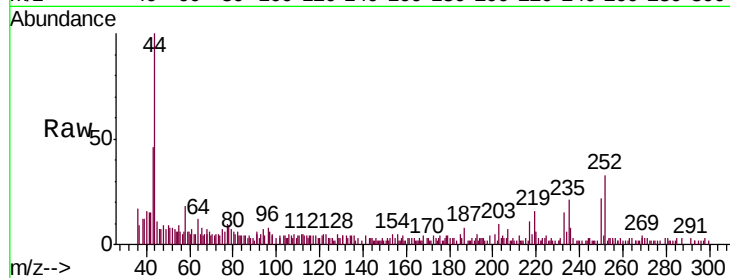
E0AB8

Tgt Ion: 43 Resp: 9021

Ion Ratio Lower Upper

43 100

58 16.8 0.0 52.4



#14

Carbon disulfide

Concen: 0.214 ug/L

RT: 2.35 min Scan# 393

Delta R.T. 0.04 min

Lab File: VV013214.D

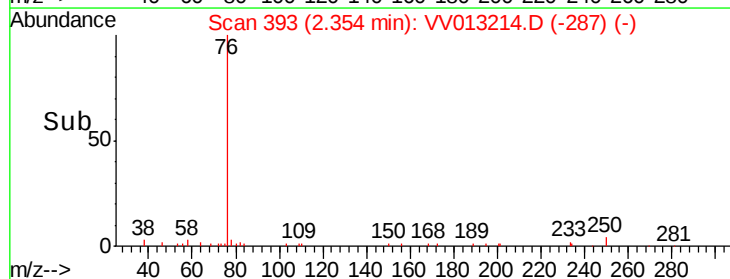
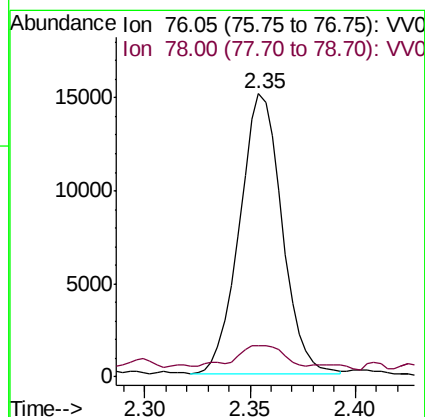
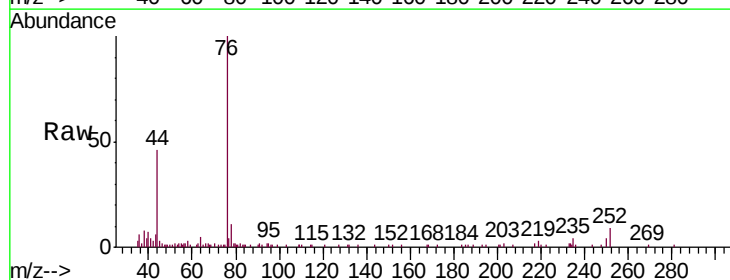
Acq: 18 Oct 2019 20:24

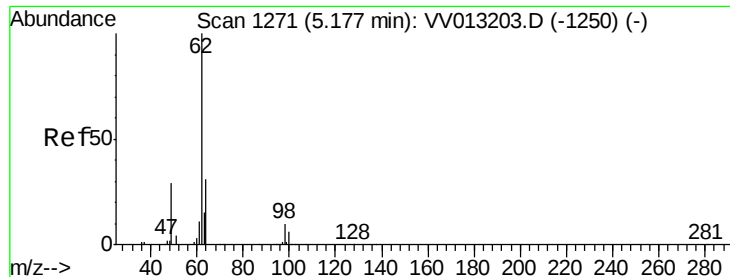
Tgt Ion: 76 Resp: 21018

Ion Ratio Lower Upper

76 100

78 11.2 7.1 10.7#





#27

1,2-Dichloroethane

Concen: 0.111 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.05 min

Lab File: VV013214.D

Acq: 18 Oct 2019 20:24

Instrument :

MSVOA\_V

ClientSampleId :

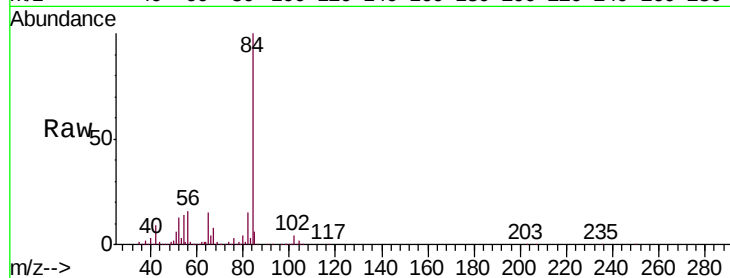
E0AB8

Tgt Ion: 62 Resp: 5250

Ion Ratio Lower Upper

62 100

98 11.1 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV013203.D (-1250) (-)

Ion 98.05 (97.75 to 98.75): VV013203.D (-1250) (-)

5.12

2500

2000

1500

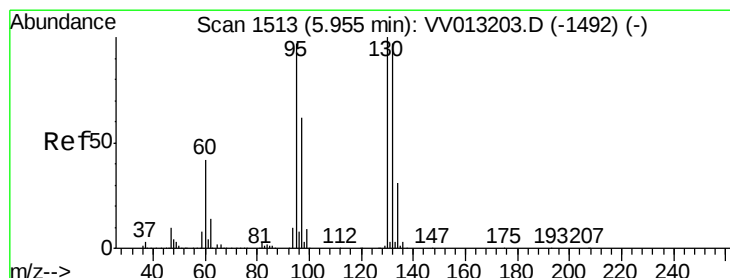
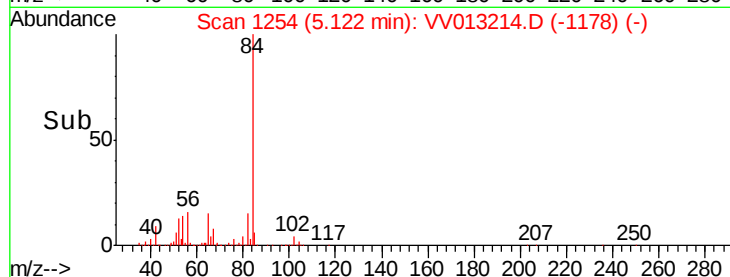
1000

500

0

5.05 5.10 5.15

Time-->



#34

Trichloroethene

Concen: 0.233 ug/L

RT: 5.68 min Scan# 1428

Delta R.T. -0.27 min

Lab File: VV013214.D

Acq: 18 Oct 2019 20:24

Tgt Ion: 95 Resp: 11265

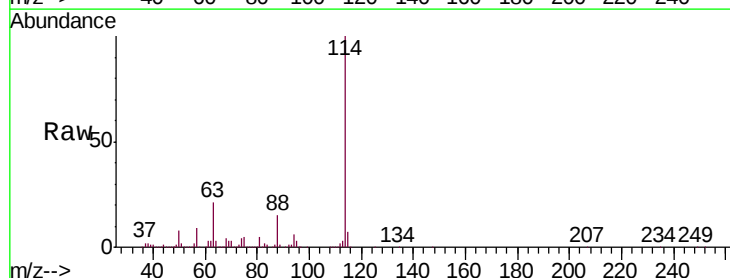
Ion Ratio Lower Upper

95 100

97 1.8 44.7 82.9#

132 0.0 68.9 127.9#

130 0.0 72.7 134.9#



Abundance Ion 95.00 (94.70 to 95.70): VV013203.D (-1492) (-)

Ion 96.95 (96.65 to 97.65): VV013203.D (-1492) (-)

Ion 131.95 (131.65 to 132.65): VV013203.D (-1492) (-)

Ion 129.95 (129.65 to 130.65): VV013203.D (-1492) (-)

10000

8000

6000

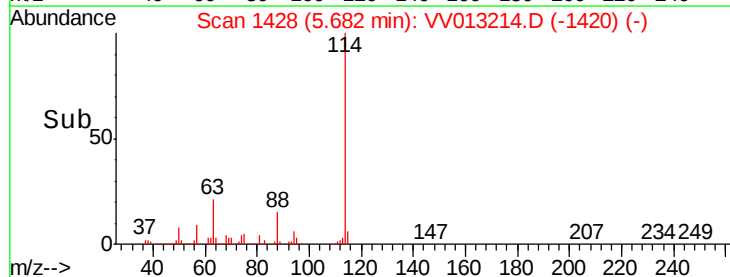
4000

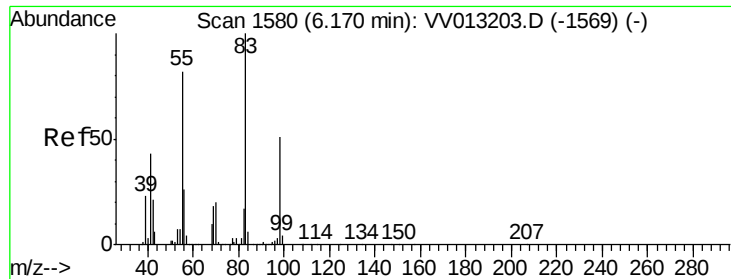
2000

0

5.65 5.70 5.75

Time-->

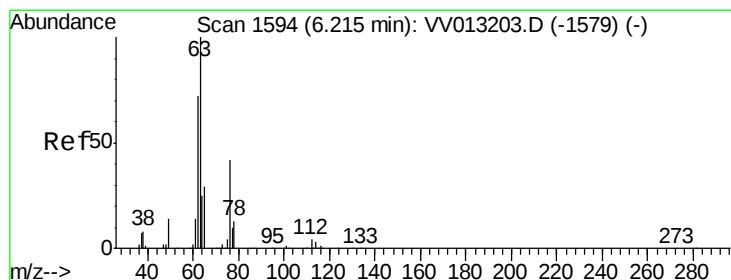
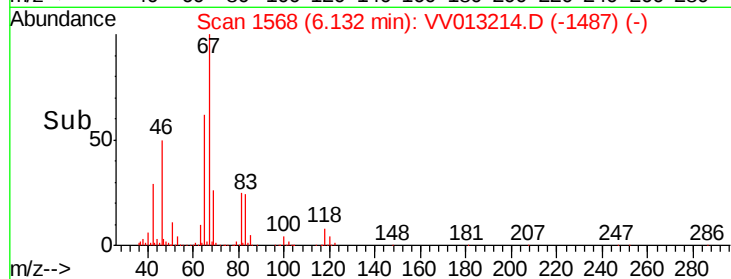
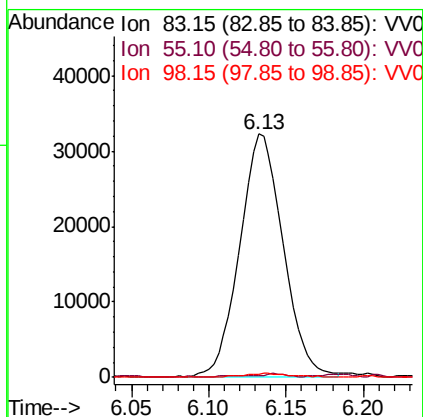
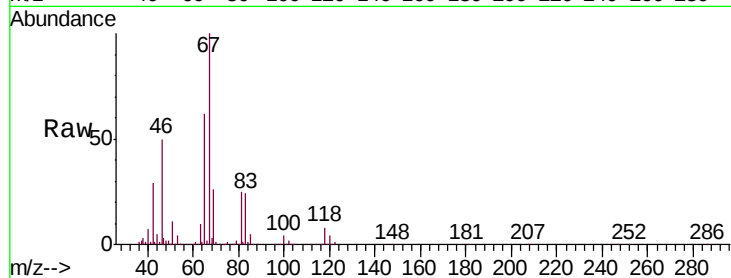




#35  
Methylcyclohexane  
Concen: 0.852 ug/L  
RT: 6.13 min Scan# 1568  
Delta R.T. -0.04 min  
Lab File: VV013214.D  
Acq: 18 Oct 2019 20:24

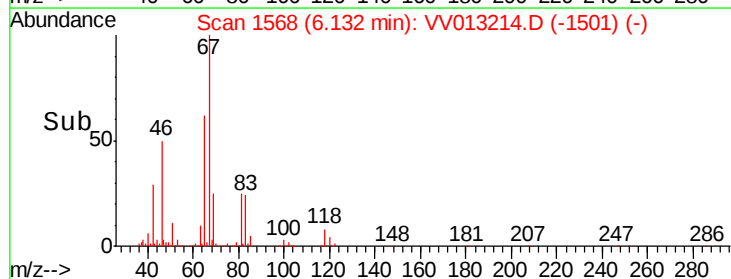
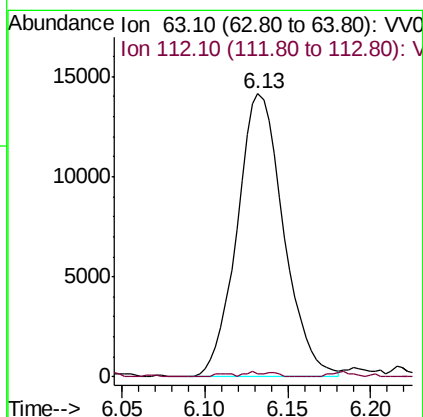
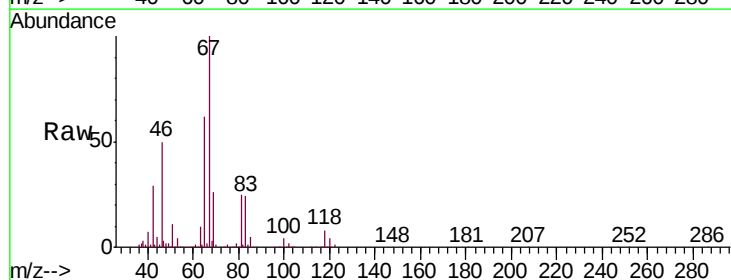
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MSVOA\_V  
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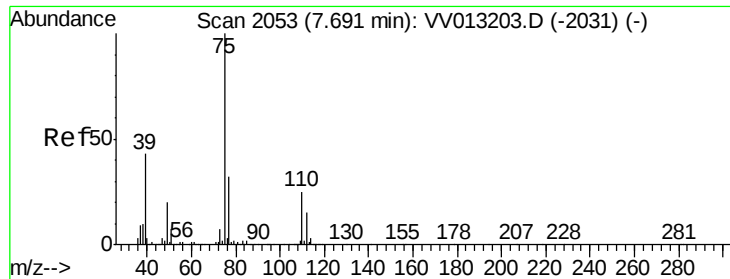
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 0.8   | 64.0  | 96.0# |
| 98      | 1.8   | 38.6  | 57.8# |



#37  
1,2-Dichloropropane  
Concen: 0.600 ug/L  
RT: 6.13 min Scan# 1568  
Delta R.T. -0.08 min  
Lab File: VV013214.D  
Acq: 18 Oct 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 112     | 0.5   | 3.8   | 5.8#  |





#44

trans-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.02 min

Lab File: VV013214.D

Acq: 18 Oct 2019 20:24

Instrument :

MSVOA\_V

ClientSampled :

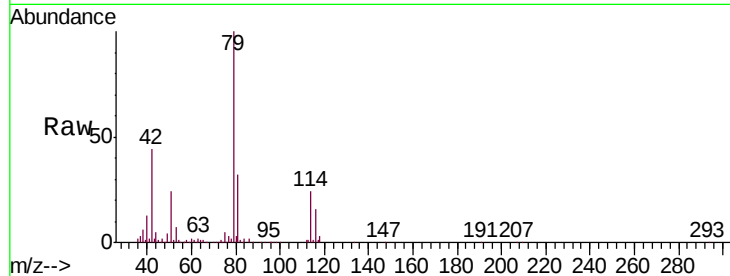
E0AB8

Tgt Ion: 75 Resp: 4178

Ion Ratio Lower Upper

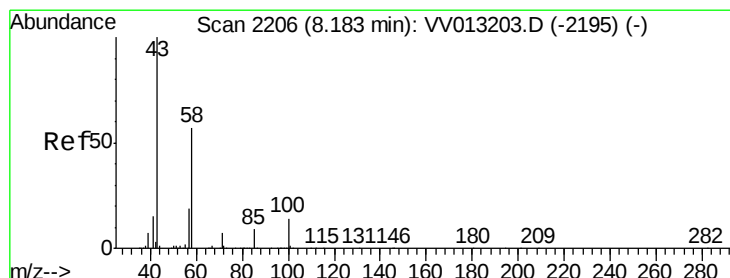
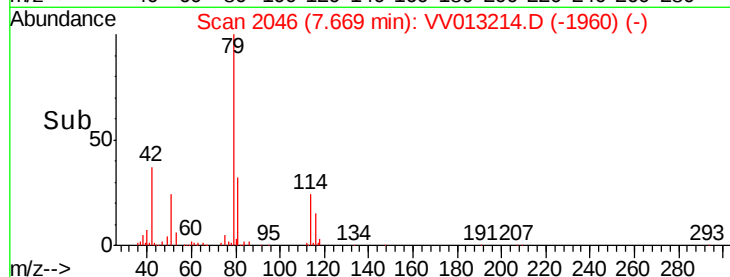
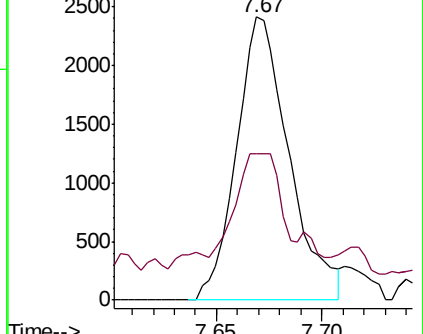
75 100

77 51.9 21.8 40.4#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#48

2-Hexanone

Concen: 2.844 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.04 min

Lab File: VV013214.D

Acq: 18 Oct 2019 20:24

Tgt Ion: 43 Resp: 51103

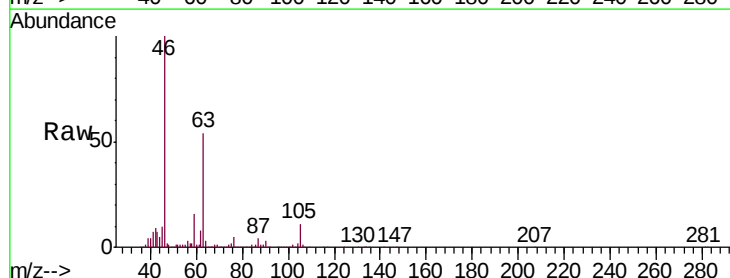
Ion Ratio Lower Upper

43 100

58 42.5 44.2 66.2#

57 32.1 14.5 21.7#

100 4.2 9.5 14.3#



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

