

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV081619\  
 Data File : VV012264.D  
 Acq On : 16 Aug 2019 12:15  
 Operator : SY/MD  
 Sample : K4373-07  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AG6

Quant Time: Aug 16 23:38:17 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR081319WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Aug 16 23:35:37 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 182306   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 183160   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 71882    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 70974    | 6.32     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 126.40%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 59122    | 6.89     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 137.80%# |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 83451    | 4.54     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 90.80%   |
| 20) 2-Butanone-d5              | 3.93   | 46    | 89192    | 36.77    | ug/L | -0.04    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 73.54%   |
| 24) Chloroform-d               | 4.40   | 84    | 120542   | 5.42     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 108.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 63287    | 6.01     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 120.20%  |
| 32) Benzene-d6                 | 5.10   | 84    | 261454   | 5.64     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 112.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.11   | 67    | 76449    | 5.60     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 112.00%  |
| 41) Toluene-d8                 | 7.36   | 98    | 217330   | 5.14     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.80%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 26243    | 5.02     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 100.40%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 57323    | 34.18    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 68.36%   |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 43309    | 4.55     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 91.00%   |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 73048    | 6.00     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 120.00%  |

## Target Compounds

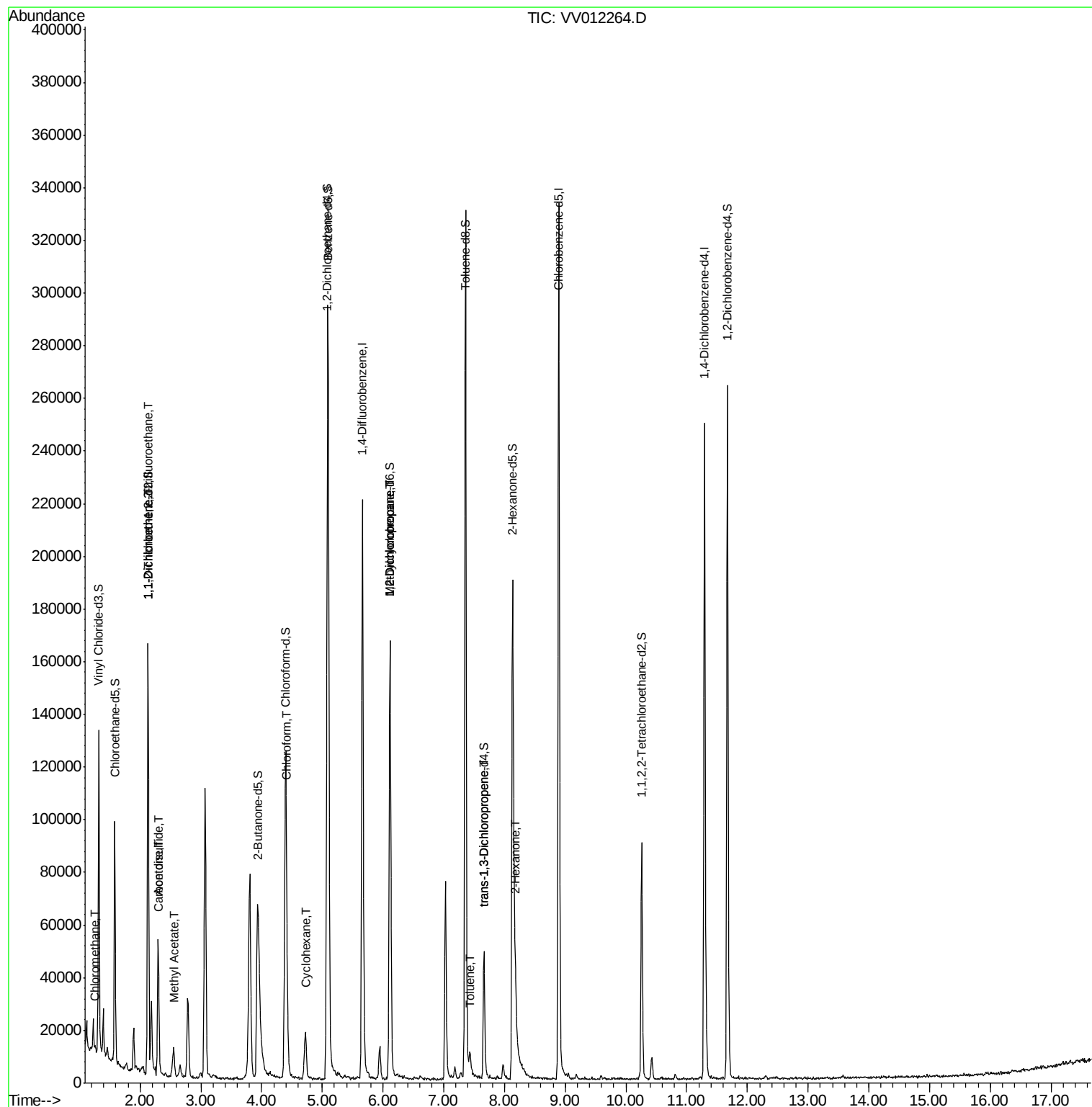
| Target Compounds               | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|--------------------------------|------|------|----------|-------|--------|--------|
| 3) Chloromethane               | 1.25 | 50   | 1536     | 0.097 | ug/L   | 88     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101  | 907      | 0.088 | ug/L # | 17     |
| 12) 1,1-Dichloroethene         | 2.13 | 96   | 836      | 0.087 | ug/L # | 1      |
| 13) Acetone                    | 2.30 | 43   | 12153    | 8.039 | ug/L   | 55     |
| 14) Carbon disulfide           | 2.31 | 76   | 1574     | 0.056 | ug/L # | 54     |
| 15) Methyl Acetate             | 2.55 | 43   | 5149     | 1.349 | ug/L # | 50     |
| 25) Chloroform                 | 4.42 | 83   | 10229    | 0.384 | ug/L   | 98     |
| 30) Cyclohexane                | 4.72 | 56   | 7718     | 0.346 | ug/L   | 97     |
| 35) Methylcyclohexane          | 6.11 | 83   | 19617    | 0.844 | ug/L # | 18     |
| 37) 1,2-Dichloropropane        | 6.12 | 63   | 9288     | 0.674 | ug/L # | 87     |
| 42) Toluene                    | 7.43 | 91   | 4625     | 0.079 | ug/L   | 100    |
| 44) trans-1,3-Dichloropropene  | 7.66 | 75   | 1361     | 0.091 | ug/L # | 67     |
| 48) 2-Hexanone                 | 8.18 | 43   | 16855    | 3.155 | ug/L # | 88     |

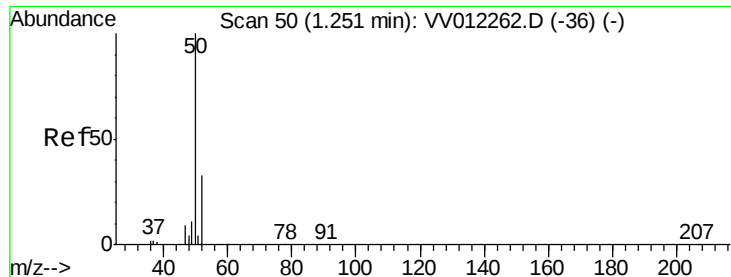
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Aug 16 23:35:37 2019  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.097 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012264.D

Acq: 16 Aug 2019 12:15

Instrument :

MSVOA\_V

ClientSampleId :

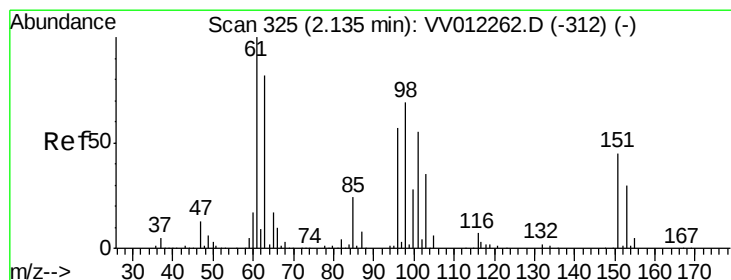
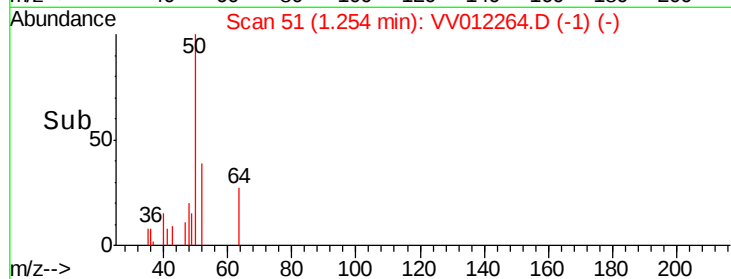
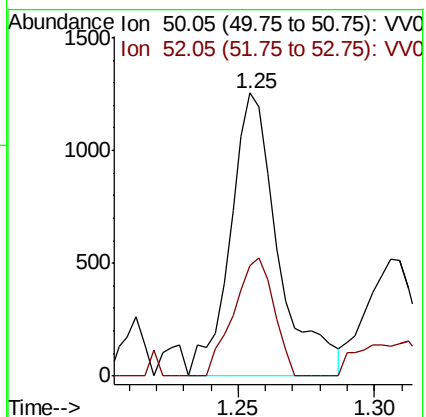
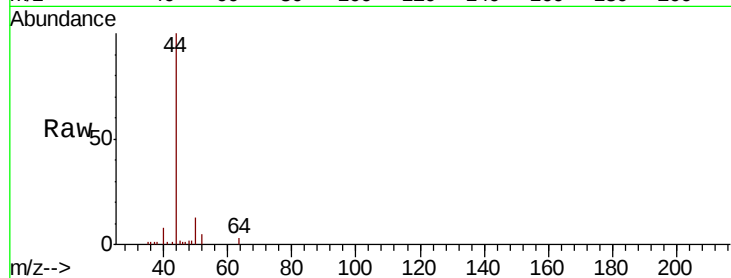
C0AG6

Tgt Ion: 50 Resp: 1536

Ion Ratio Lower Upper

50 100

52 39.2 22.6 42.0



#10

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

Concen: 0.088 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012264.D

Acq: 16 Aug 2019 12:15

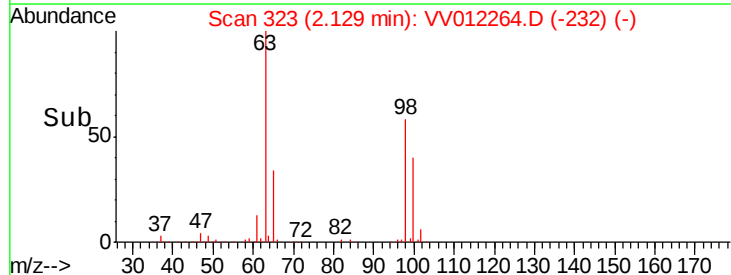
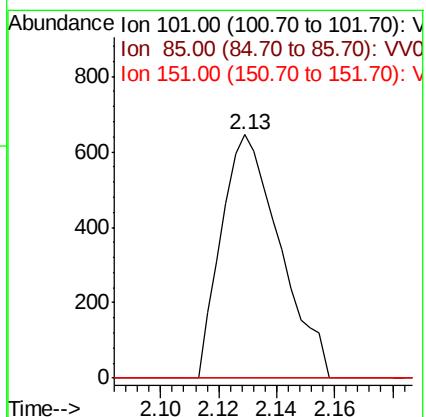
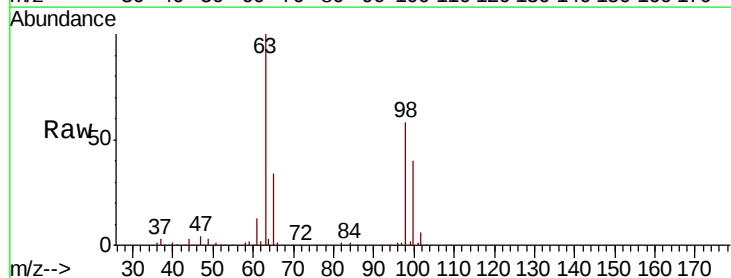
Tgt Ion: 101 Resp: 907

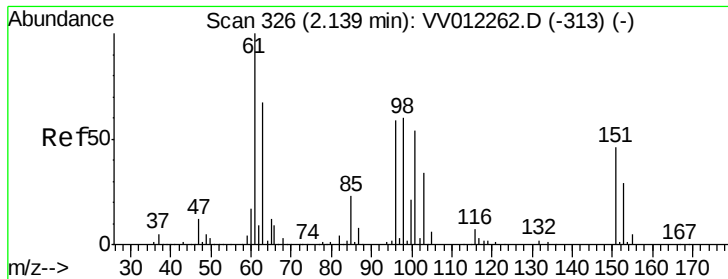
Ion Ratio Lower Upper

101 100

85 0.0 33.7 50.5#

151 0.0 66.3 99.5#





#12

1,1-Dichloroethene

Concen: 0.087 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012264.D

Acq: 16 Aug 2019 12:15

Instrument :

MSVOA\_V

ClientSampleId :

C0AG6

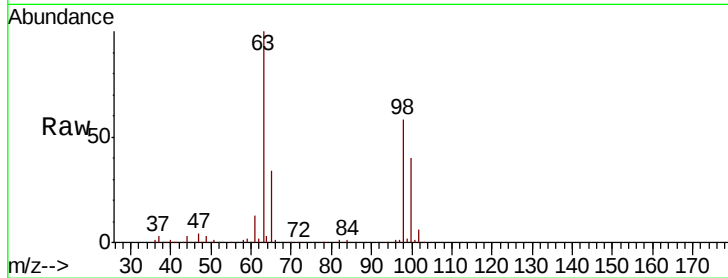
Tgt Ion: 96 Resp: 836

Ion Ratio Lower Upper

96 100

61 1368.8 119.3 221.5#

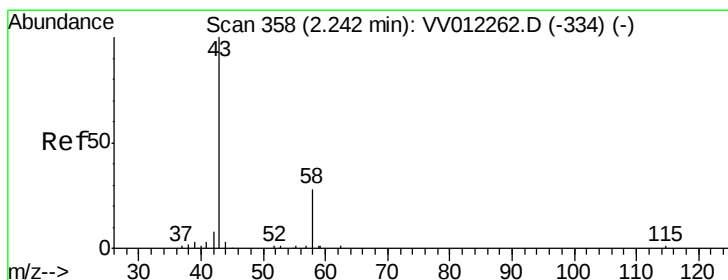
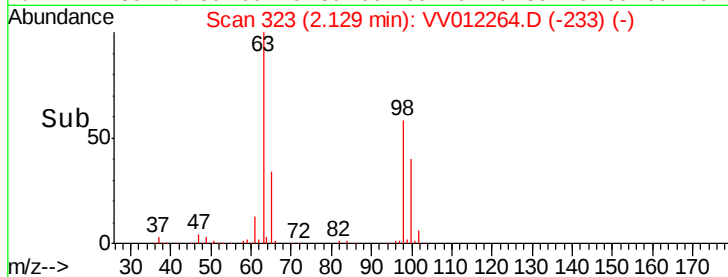
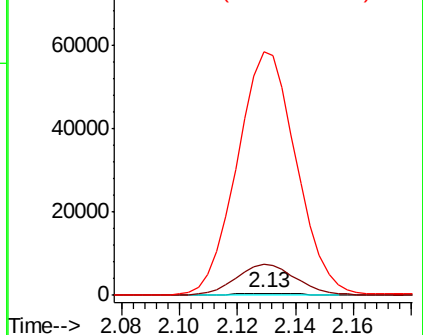
63 10817.1 74.9 139.1#



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



#13

Acetone

Concen: 8.039 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.05 min

Lab File: VV012264.D

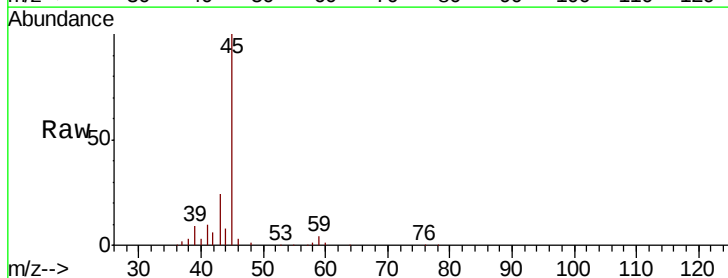
Acq: 16 Aug 2019 12:15

Tgt Ion: 43 Resp: 12153

Ion Ratio Lower Upper

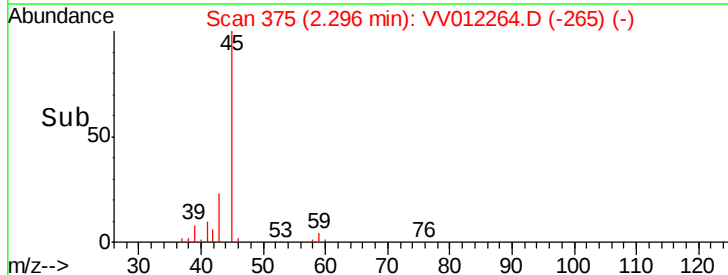
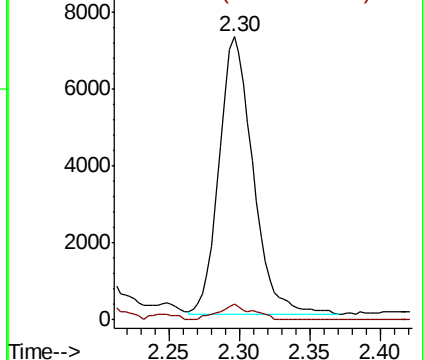
43 100

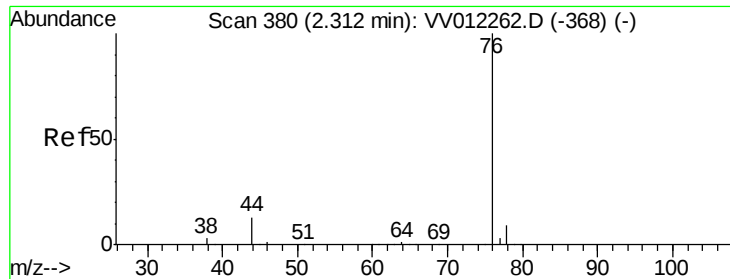
58 5.5 0.0 59.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

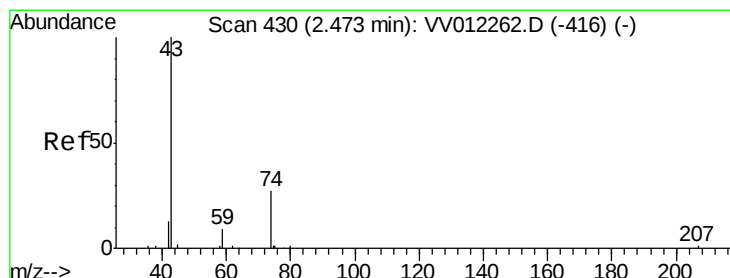
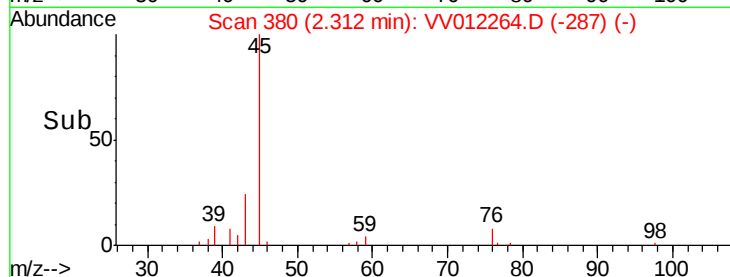
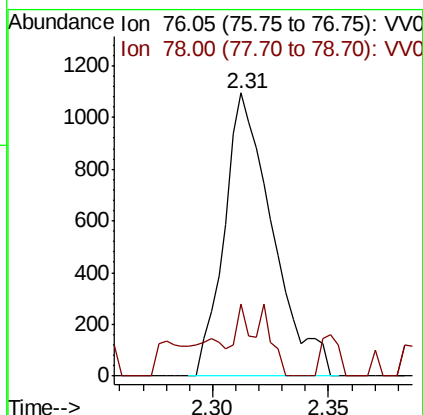
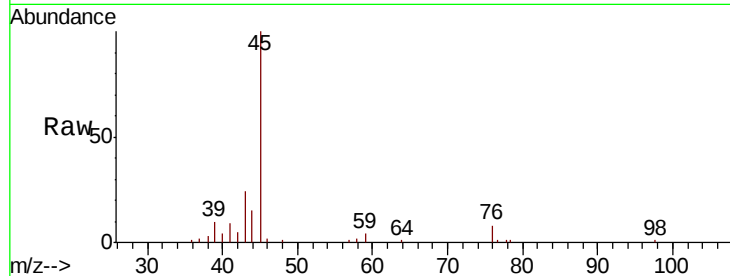




#14  
Carbon disulfide  
Concen: 0.056 ug/L  
RT: 2.31 min Scan# 380  
Delta R.T. -0.00 min  
Lab File: VV012264.D  
Acq: 16 Aug 2019 12:15

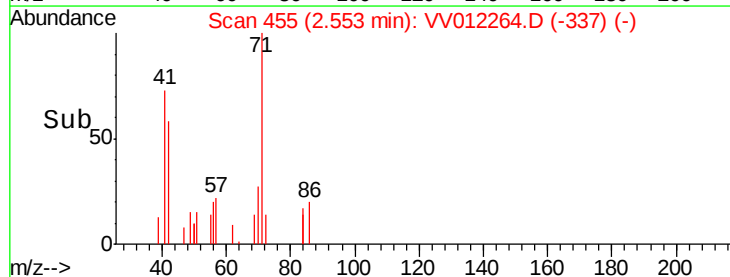
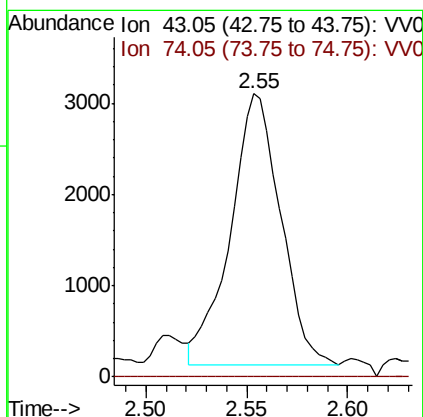
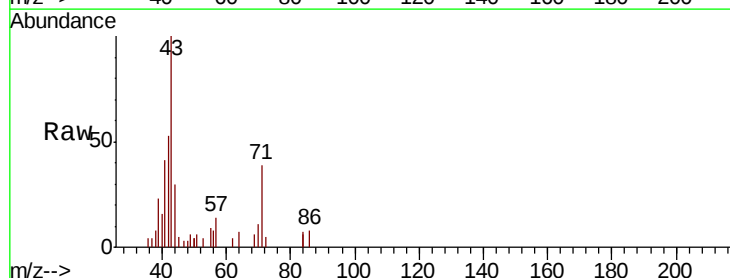
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AG6

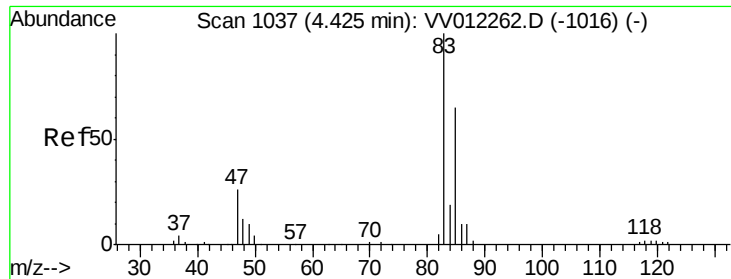
Tgt Ion: 76 Resp: 1574  
Ion Ratio Lower Upper  
76 100  
78 25.5 7.2 10.8#



#15  
Methyl Acetate  
Concen: 1.349 ug/L  
RT: 2.55 min Scan# 455  
Delta R.T. 0.08 min  
Lab File: VV012264.D  
Acq: 16 Aug 2019 12:15

Tgt Ion: 43 Resp: 5149  
Ion Ratio Lower Upper  
43 100  
74 0.0 20.3 30.5#

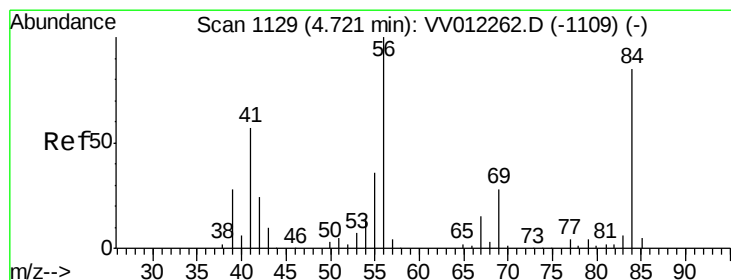
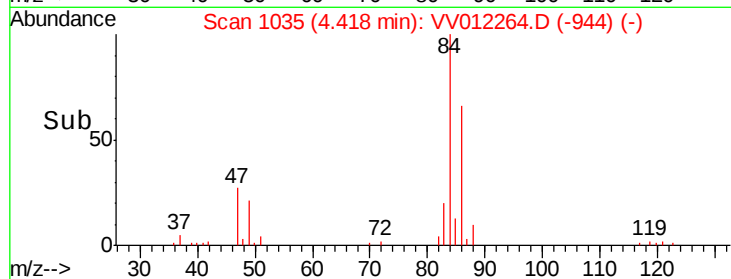
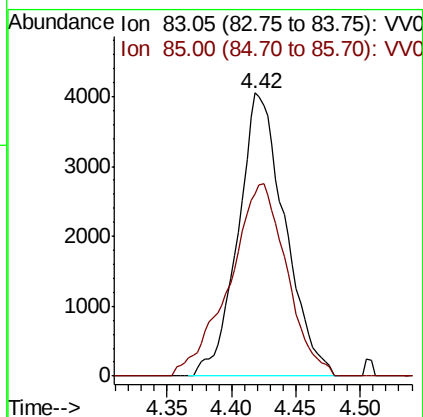
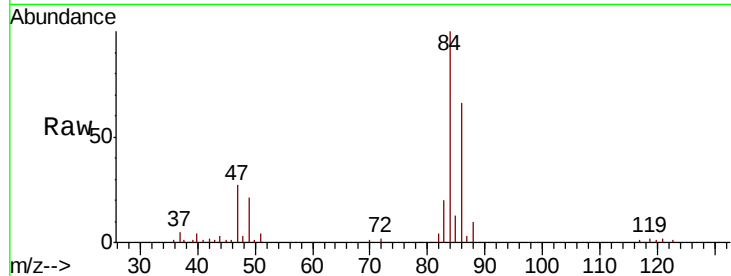




#25  
Chloroform  
Concen: 0.384 ug/L  
RT: 4.42 min Scan# 1035  
Delta R.T. -0.01 min  
Lab File: VV012264.D  
Acq: 16 Aug 2019 12:15

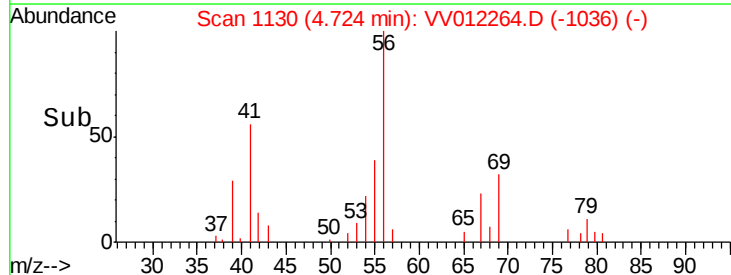
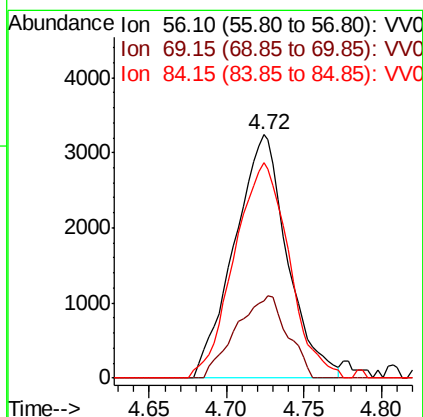
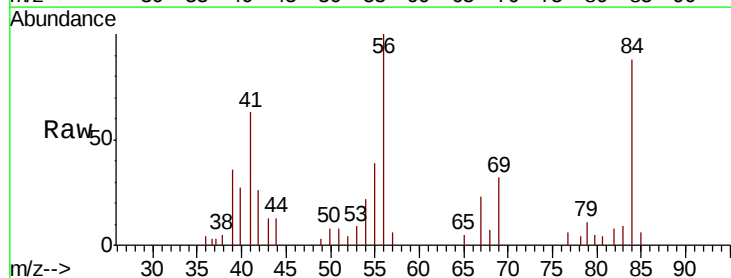
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AG6

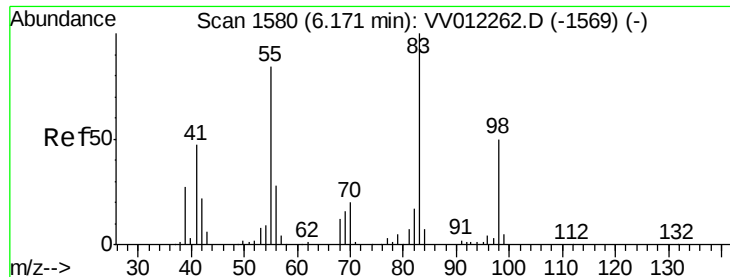
Tgt Ion: 83 Resp: 10229  
Ion Ratio Lower Upper  
83 100  
85 64.5 44.3 82.3



#30  
Cyclohexane  
Concen: 0.346 ug/L  
RT: 4.72 min Scan# 1130  
Delta R.T. 0.00 min  
Lab File: VV012264.D  
Acq: 16 Aug 2019 12:15

Tgt Ion: 56 Resp: 7718  
Ion Ratio Lower Upper  
56 100  
69 32.7 24.6 36.8  
84 91.1 71.0 106.6





#35

Methylcyclohexane

Concen: 0.844 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV012264.D

Acq: 16 Aug 2019 12:15

Instrument :

MSVOA\_V

ClientSampleId :

C0AG6

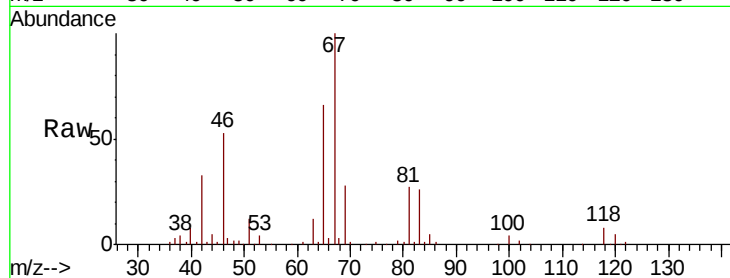
Tgt Ion: 83 Resp: 19617

Ion Ratio Lower Upper

83 100

55 1.0 62.2 93.2#

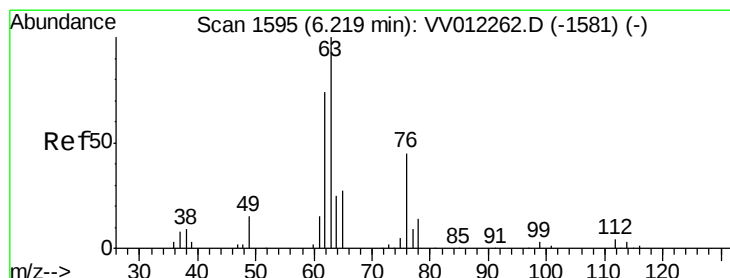
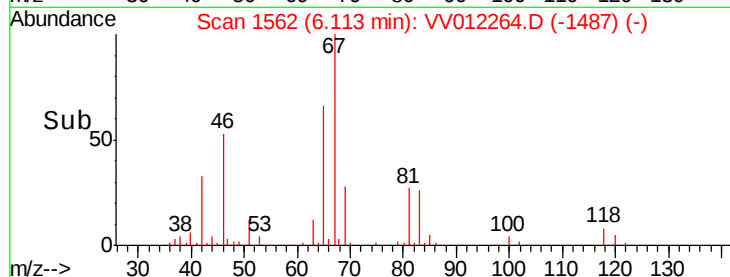
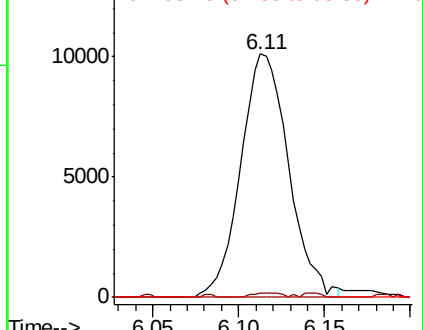
98 0.0 39.2 58.8#



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: 0.674 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV012264.D

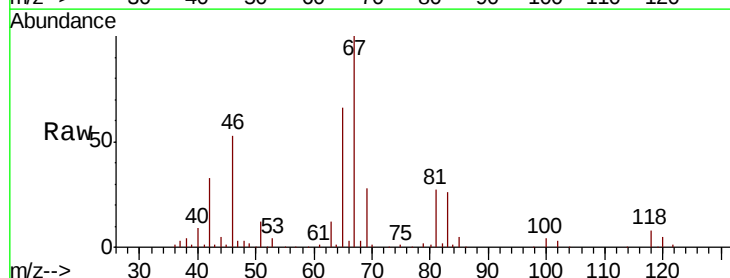
Acq: 16 Aug 2019 12:15

Tgt Ion: 63 Resp: 9288

Ion Ratio Lower Upper

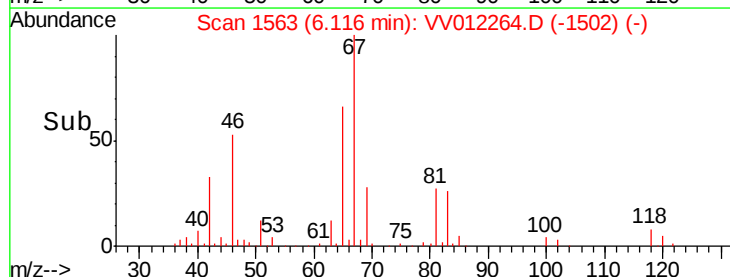
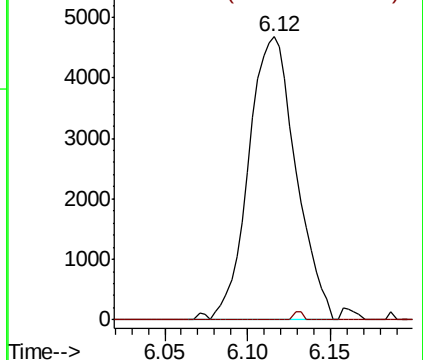
63 100

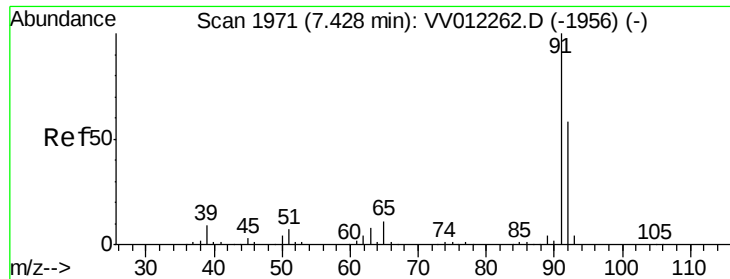
112 0.5 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.079 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012264.D

Acq: 16 Aug 2019 12:15

Instrument :

MSVOA\_V

ClientSampled :

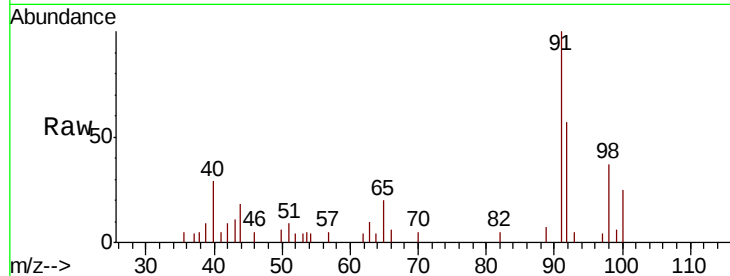
C0AG6

Tgt Ion: 91 Resp: 4625

Ion Ratio Lower Upper

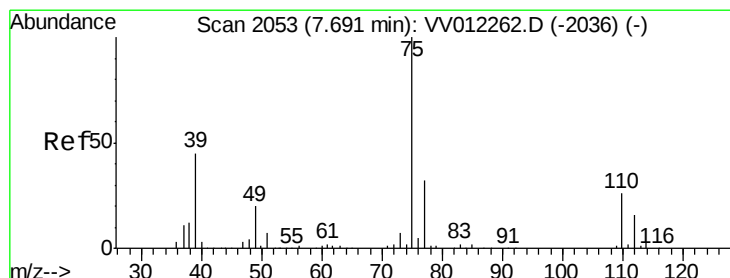
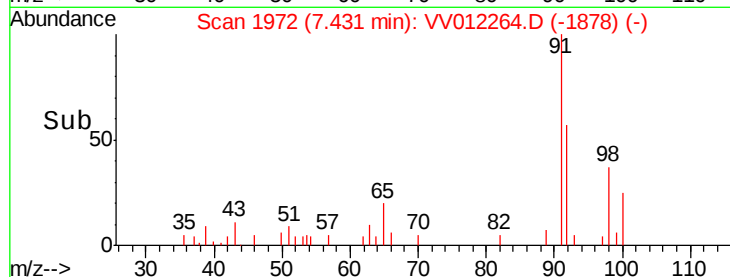
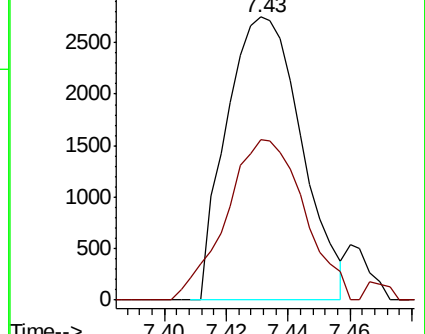
91 100

92 56.7 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012264.D

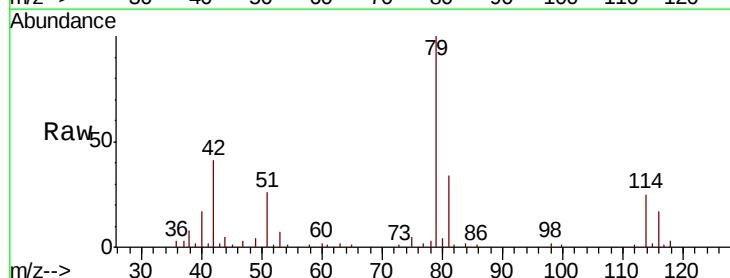
Acq: 16 Aug 2019 12:15

Tgt Ion: 75 Resp: 1361

Ion Ratio Lower Upper

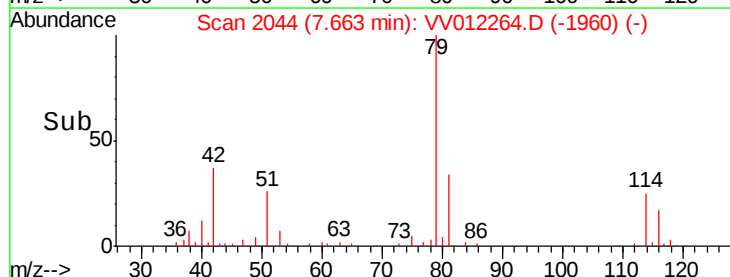
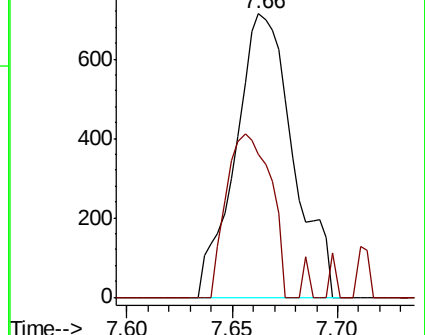
75 100

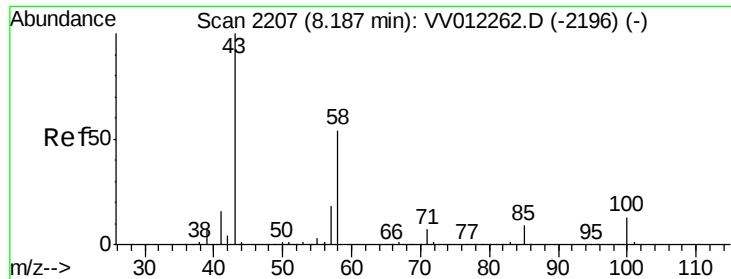
77 50.3 22.5 41.7#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#48

2-Hexanone

Concen: 3.155 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.01 min

Lab File: VV012264.D

Acq: 16 Aug 2019 12:15

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AG6

Tgt Ion: 43 Resp: 16855

Ion Ratio Lower Upper

43 100

58 45.3 43.0 64.4

57 16.9 14.9 22.3

100 2.8 10.3 15.5#

