

Data File : VV013561.D  
Acq On : 09 Nov 2019 00:57  
Operator : SY/MD  
Sample : K5743-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BE9S2

Quant Time: Nov 09 01:18:11 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR110819WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Nov 09 01:14:21 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 367902   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 367328   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 162307   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 75981    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 98.00%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 70807    | 5.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 102.80% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 100939   | 3.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.80%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 254505   | 45.78    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 91.56%  |
| 24) Chloroform-d               | 4.40   | 84    | 201353   | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.20% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 114078   | 5.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 108.40% |
| 32) Benzene-d6                 | 5.10   | 84    | 360290   | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.11   | 67    | 129398   | 5.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 103.20% |
| 41) Toluene-d8                 | 7.36   | 98    | 276865   | 4.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.00%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 42573    | 4.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.20%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 153860   | 39.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 79.60%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 95870    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 143287   | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.80% |

#### Target Compounds

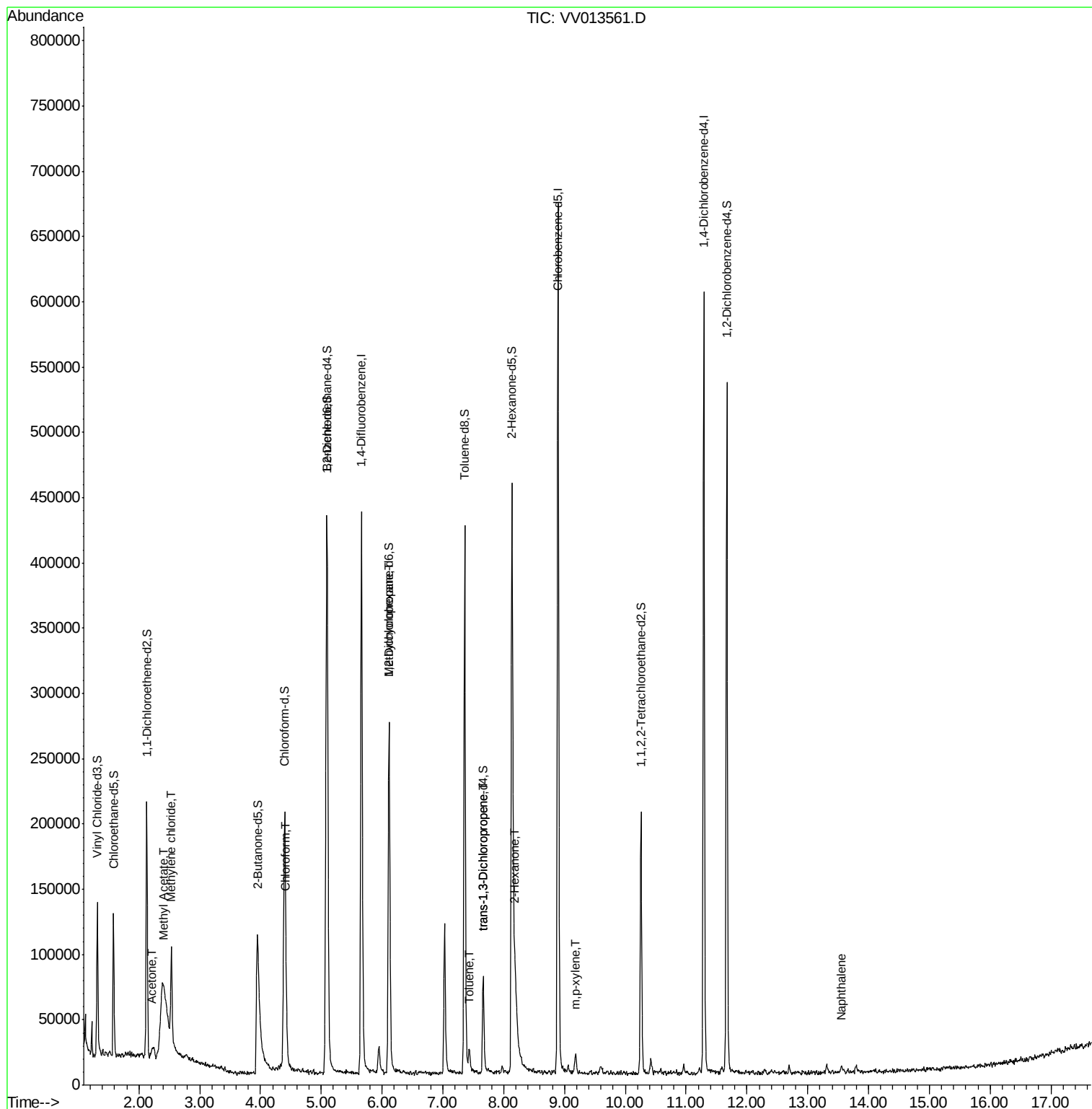
|                               |       |     |       |              | Qvalue |
|-------------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone                   | 2.22  | 43  | 9893  | 2.934 ug/L   | 94     |
| 15) Methyl Acetate            | 2.41  | 43  | 33801 | 3.352 ug/L # | 51     |
| 16) Methylene chloride        | 2.53  | 84  | 29638 | 1.023 ug/L   | 98     |
| 25) Chloroform                | 4.43  | 83  | 16614 | 0.297 ug/L   | 98     |
| 35) Methylcyclohexane         | 6.11  | 83  | 31099 | 0.665 ug/L # | 18     |
| 42) Toluene                   | 7.43  | 91  | 11899 | 0.100 ug/L   | 93     |
| 44) trans-1,3-Dichloropropene | 7.67  | 75  | 2060  | 0.067 ug/L   | 100    |
| 48) 2-Hexanone                | 8.19  | 43  | 27604 | 2.415 ug/L # | 96     |
| 53) m,p-xylene                | 9.18  | 106 | 4261  | 0.090 ug/L   | 79     |
| 69) Naphthalene               | 13.56 | 128 | 3976  | 0.087 ug/L   | 98     |

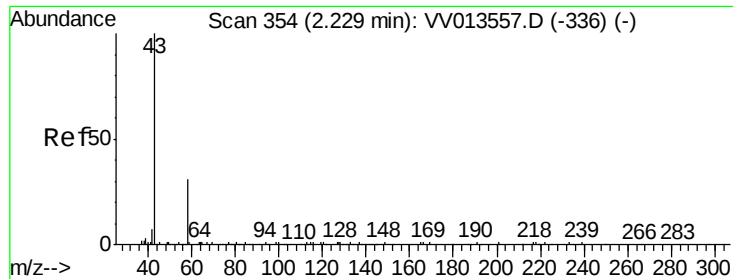
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.934 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.01 min

Lab File: VV013561.D

Acq: 09 Nov 2019 00:57

Instrument :

MSVOA\_V

ClientSampleId :

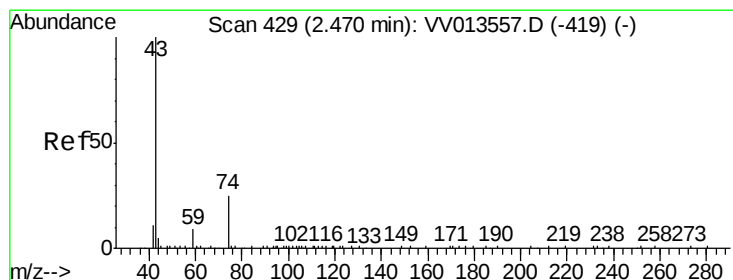
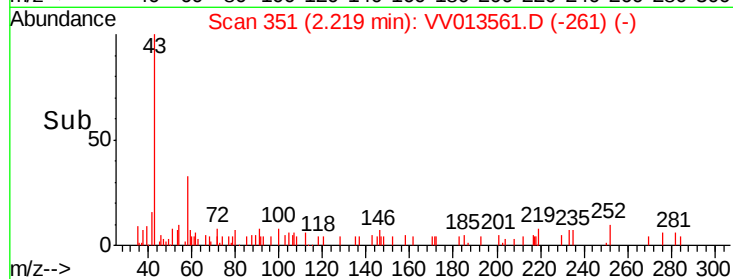
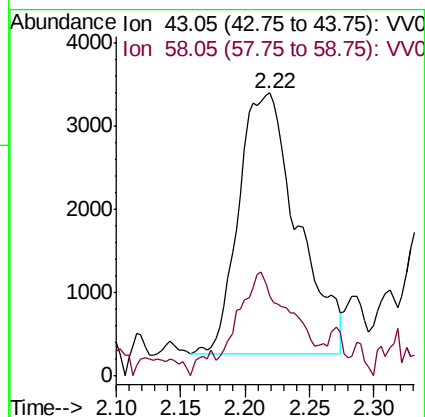
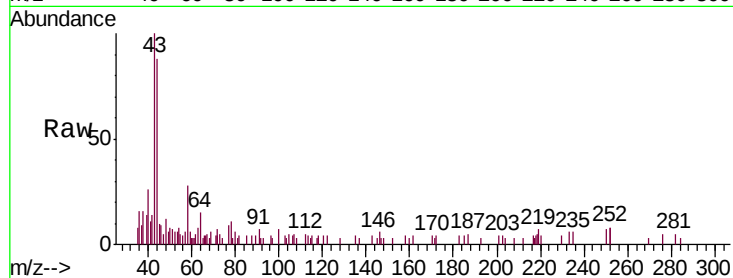
BE9S2

Tgt Ion: 43 Resp: 9893

Ion Ratio Lower Upper

43 100

58 33.8 0.0 60.8



#15

Methyl Acetate

Concen: 3.352 ug/L

RT: 2.41 min Scan# 411

Delta R.T. -0.06 min

Lab File: VV013561.D

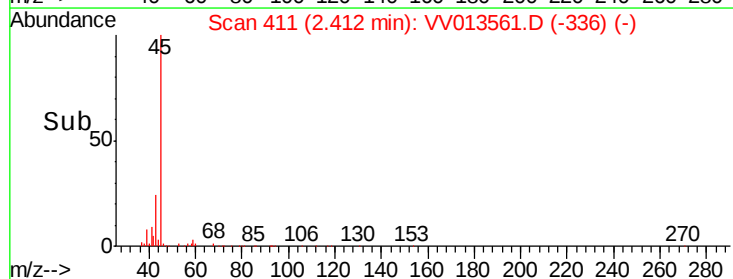
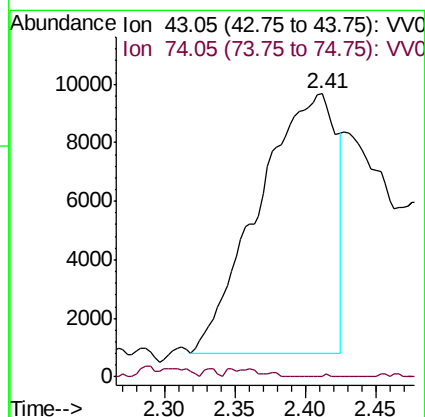
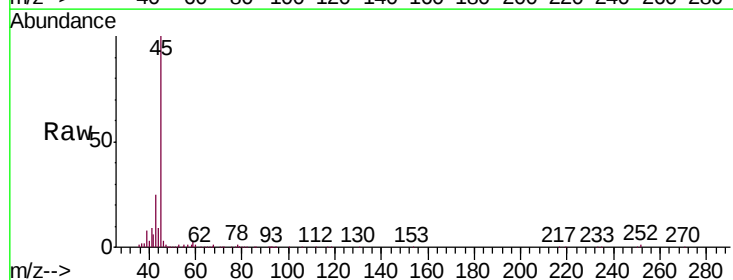
Acq: 09 Nov 2019 00:57

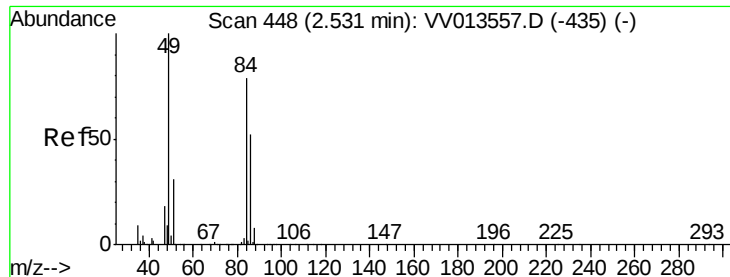
Tgt Ion: 43 Resp: 33801

Ion Ratio Lower Upper

43 100

74 0.1 19.4 29.0#

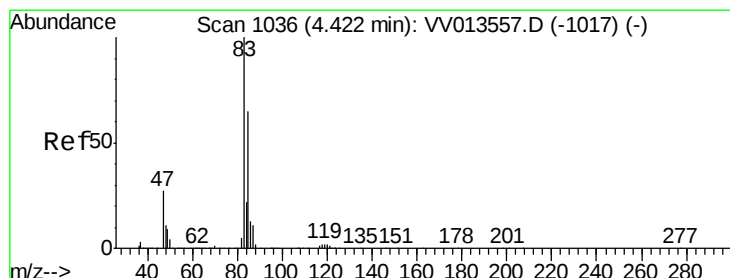
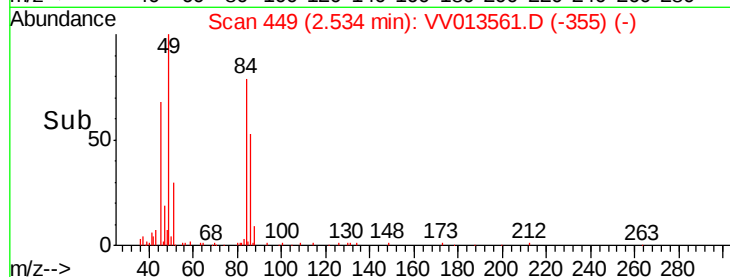
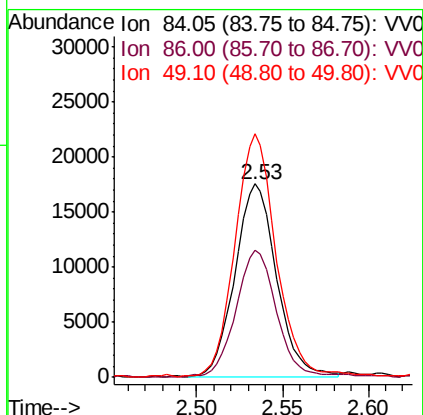
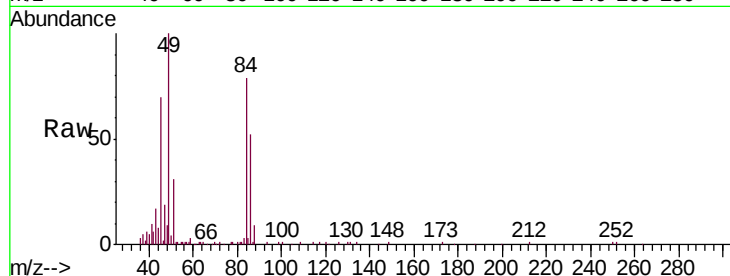




#16  
Methylene chloride  
Concen: 1.023 ug/L  
RT: 2.53 min Scan# 449  
Delta R.T. 0.00 min  
Lab File: VV013561.D  
Acq: 09 Nov 2019 00:57

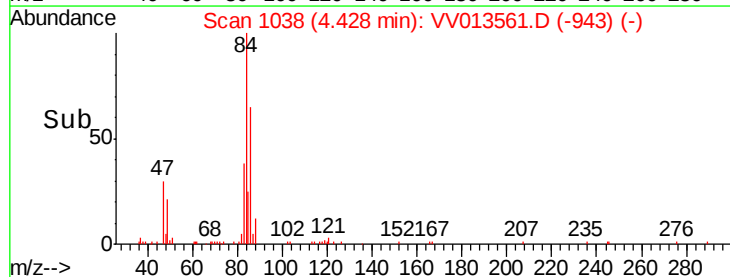
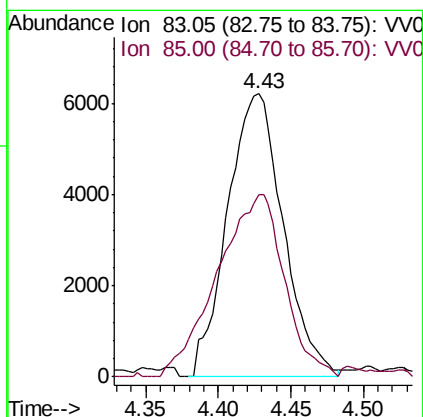
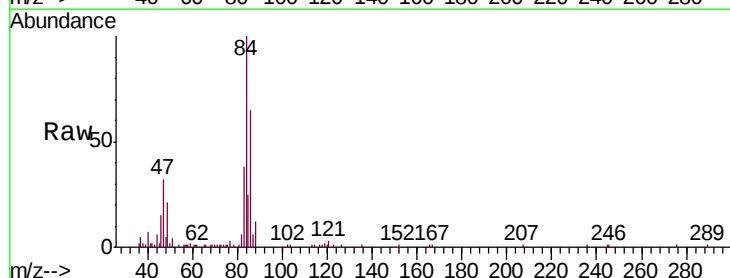
Instrument :  
MSVOA\_V  
ClientSampleId :  
BE9S2

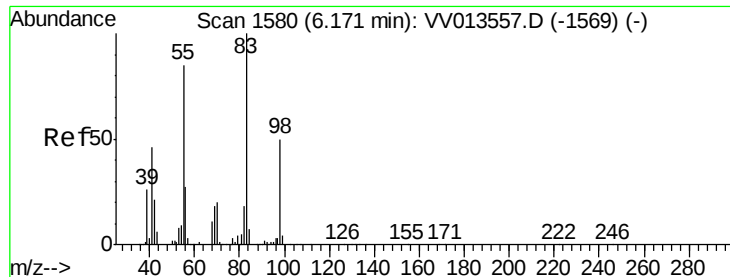
Tgt Ion: 84 Resp: 29638  
Ion Ratio Lower Upper  
84 100  
86 66.1 44.2 82.2  
49 126.1 88.8 164.8



#25  
Chloroform  
Concen: 0.297 ug/L  
RT: 4.43 min Scan# 1038  
Delta R.T. 0.01 min  
Lab File: VV013561.D  
Acq: 09 Nov 2019 00:57

Tgt Ion: 83 Resp: 16614  
Ion Ratio Lower Upper  
83 100  
85 64.4 46.3 86.1

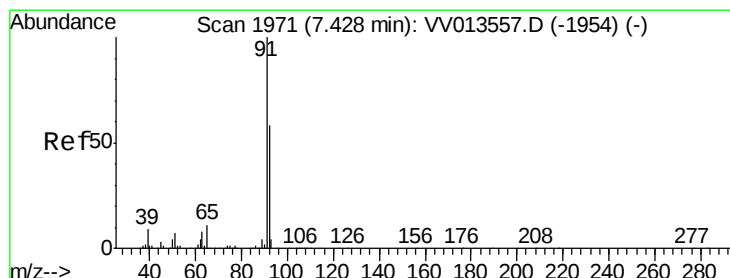
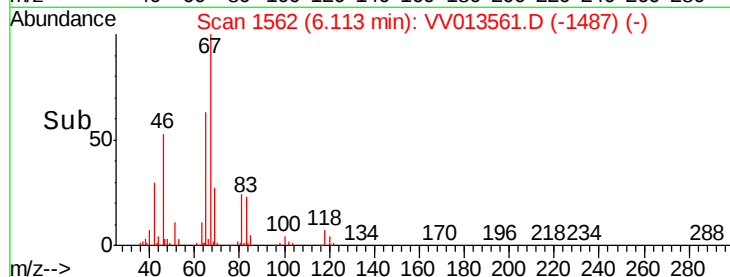
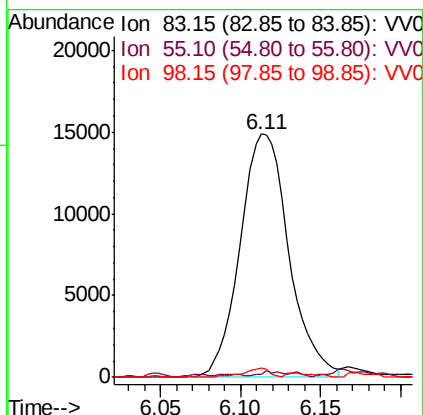
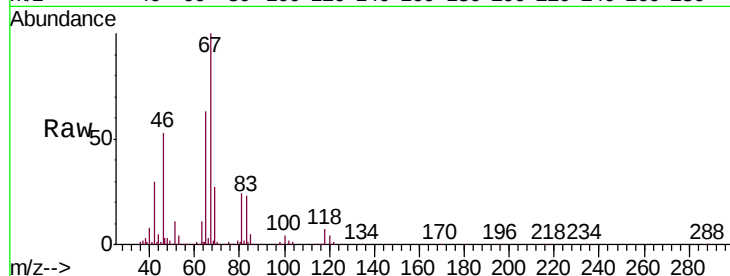




#35  
Methylcyclohexane  
Concen: 0.665 ug/L  
RT: 6.11 min Scan# 1562  
Delta R.T. -0.06 min  
Lab File: VV013561.D  
Acq: 09 Nov 2019 00:57

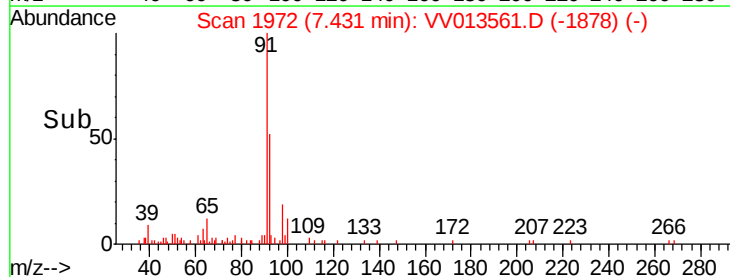
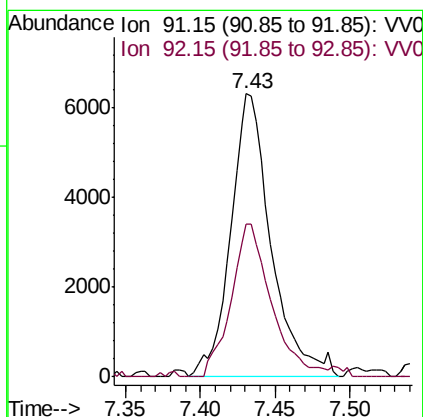
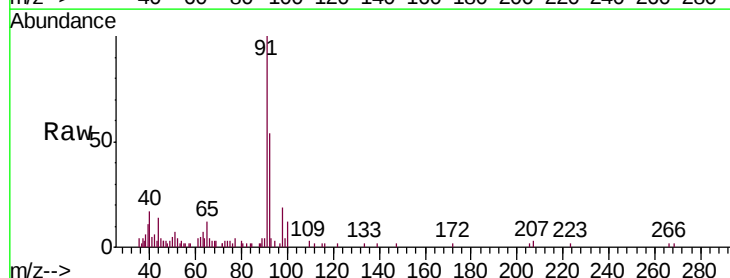
Instrument :  
MSVOA\_V  
ClientSampleId :  
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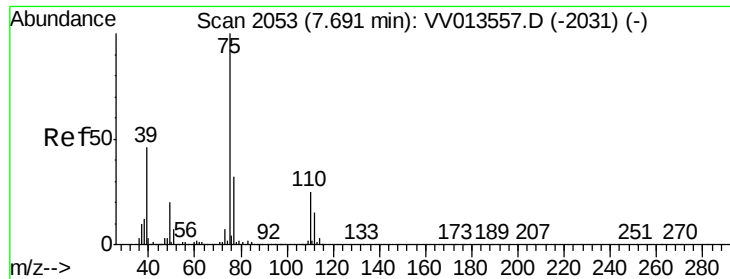
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 0.5   | 63.8  | 95.8# |
| 98      | 2.0   | 38.4  | 57.6# |



#42  
Toluene  
Concen: 0.100 ug/L  
RT: 7.43 min Scan# 1972  
Delta R.T. 0.00 min  
Lab File: VV013561.D  
Acq: 09 Nov 2019 00:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.2  | 41.4  | 77.0  |





#44

trans-1,3-Dichloropropene

Concen: 0.067 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.02 min

Lab File: VV013561.D

Acq: 09 Nov 2019 00:57

Instrument :

MSVOA\_V

ClientSampleId :

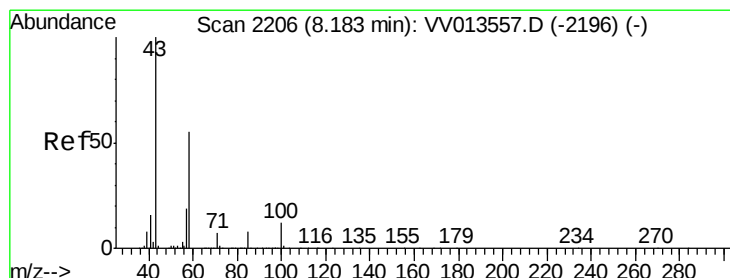
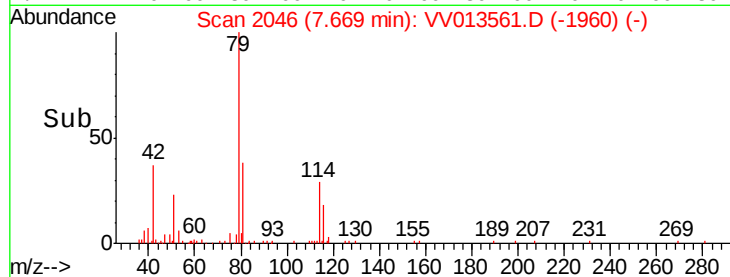
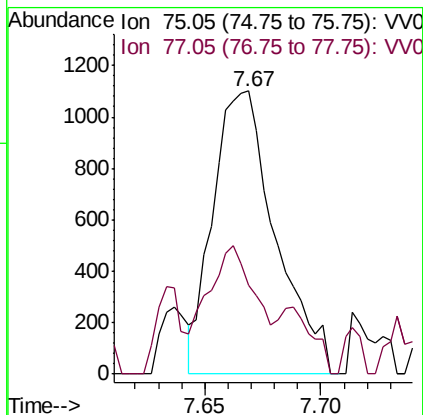
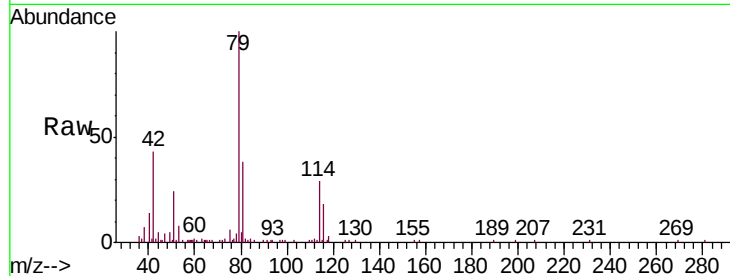
BE9S2

Tgt Ion: 75 Resp: 2060

Ion Ratio Lower Upper

75 100

77 31.5 22.2 41.2



#48

2-Hexanone

Concen: 2.415 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV013561.D

Acq: 09 Nov 2019 00:57

Tgt Ion: 43 Resp: 27604

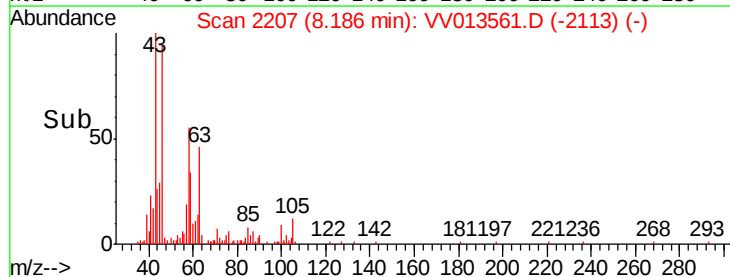
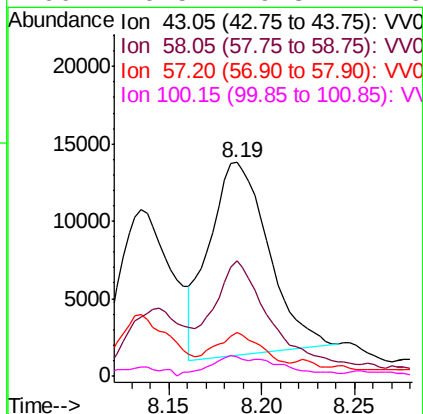
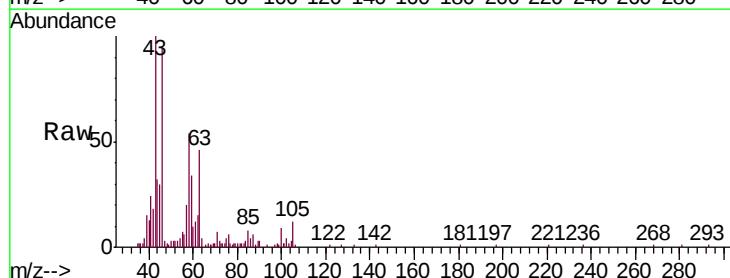
Ion Ratio Lower Upper

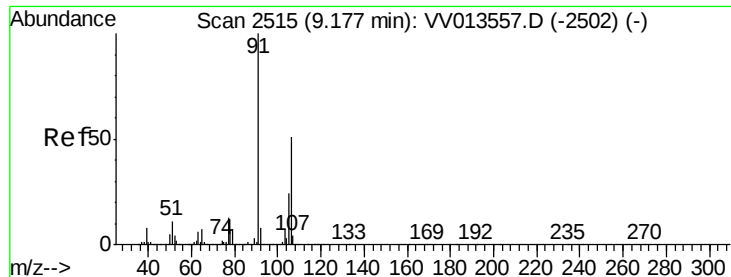
43 100

58 55.9 43.8 65.8

57 17.7 15.0 22.6

100 6.5 9.8 14.6#





#53

m,p-xylene

Concen: 0.090 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

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Acq: 09 Nov 2019 00:57

Instrument :

MSVOA\_V

ClientSampleId :

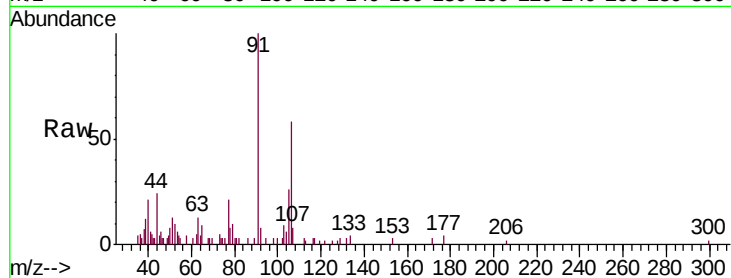
BE9S2

Tgt Ion:106 Resp: 4261

Ion Ratio Lower Upper

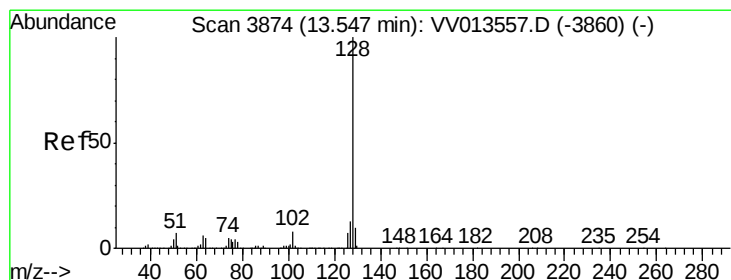
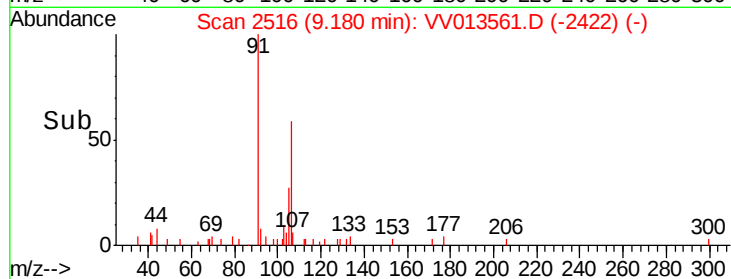
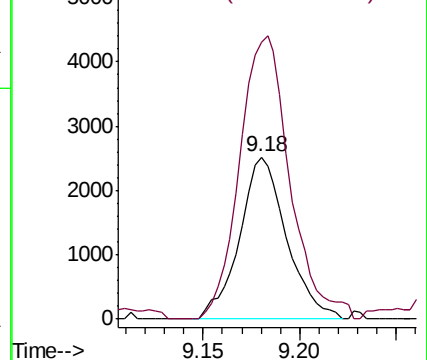
106 100

91 171.0 142.0 263.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#69

Naphthalene

Concen: 0.087 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.01 min

Lab File: VV013561.D

Acq: 09 Nov 2019 00:57

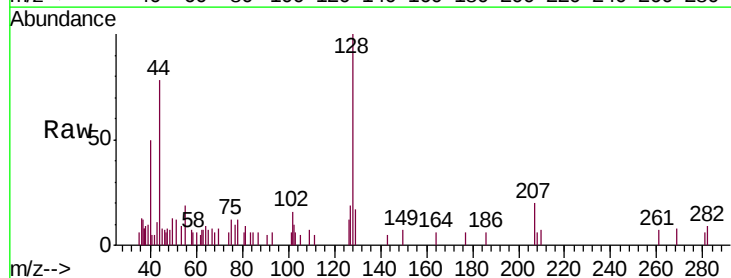
Tgt Ion:128 Resp: 3976

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

127 14.9 10.7 16.1



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

