

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091218\  
 Data File : VV007480.D  
 Acq On : 12 Sep 2018 17:39  
 Operator : SY/MD  
 Sample : J4871-02  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0KK9

Quant Time: Sep 13 03:16:45 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR091218WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Sep 13 02:33:45 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 136074   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 121291   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 62139    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 38823    | 5.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 106.60% |
| 7) Chloroethane-d5             | 1.58   | 69    | 29773    | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 97.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 64219    | 4.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 87.60%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 75888    | 48.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 96.80%  |
| 24) Chloroform-d               | 4.41   | 84    | 72926    | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.80% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 40085    | 5.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 106.60% |
| 32) Benzene-d6                 | 5.10   | 84    | 145933   | 5.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.80% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 42929    | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 104.00% |
| 41) Toluene-d8                 | 7.36   | 98    | 145026   | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.00% |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 21105    | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 103.40% |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 40146    | 41.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 82.80%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 30620    | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 57877    | 5.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 108.60% |

## Target Compounds

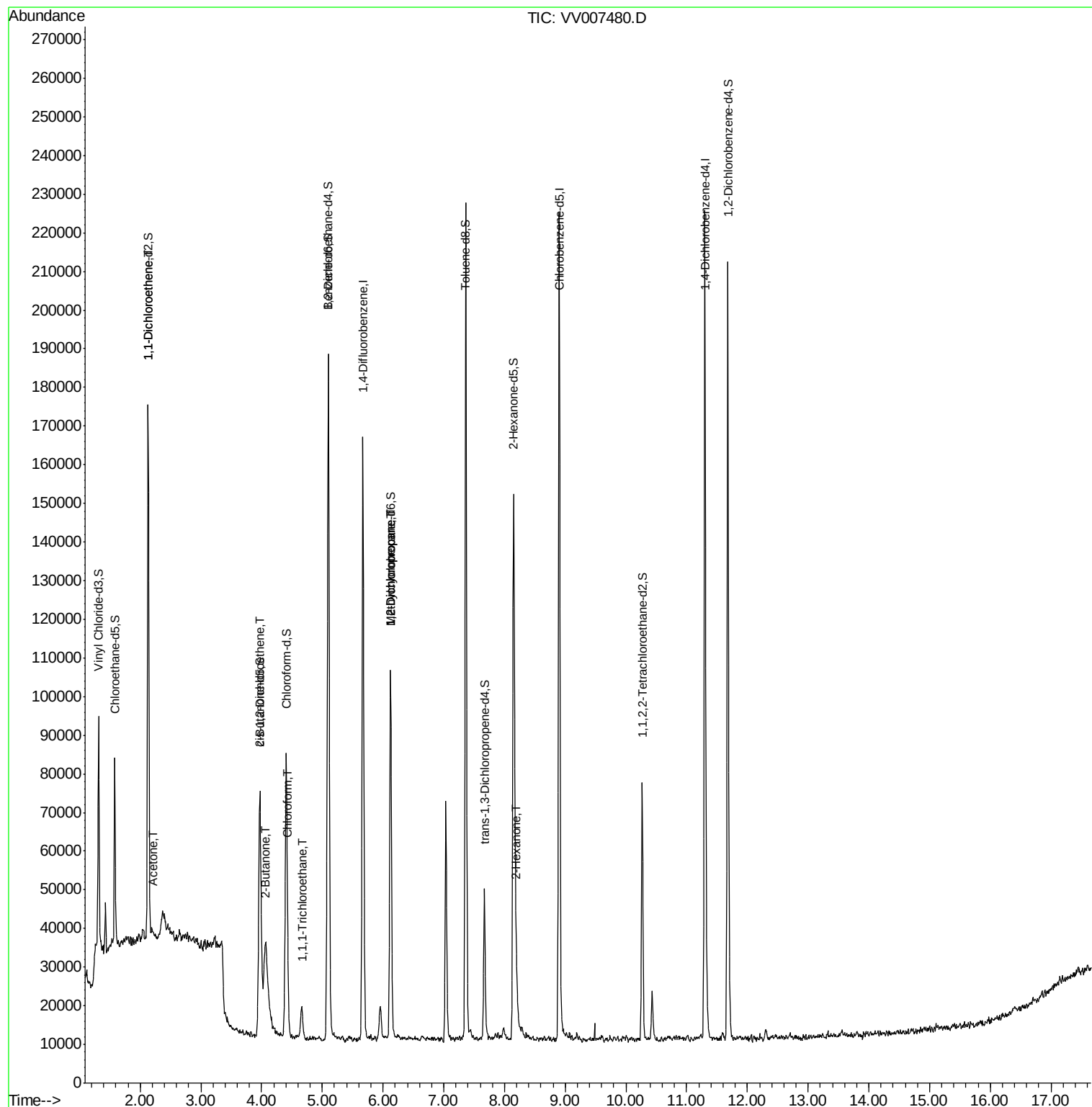
| Target Compounds           | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|----------------------------|------|------|----------|-------|--------|--------|
| 12) 1,1-Dichloroethene     | 2.14 | 96   | 10501    | 1.496 | ug/L # | 20     |
| 13) Acetone                | 2.21 | 43   | 2416     | 2.639 | ug/L   | 79     |
| 21) 2-Butanone             | 4.06 | 43   | 1071     | 0.720 | ug/L   | 93     |
| 22) cis-1,2-Dichloroethene | 3.96 | 96   | 16678    | 2.262 | ug/L   | 99     |
| 25) Chloroform             | 4.43 | 83   | 3322     | 0.263 | ug/L   | 98     |
| 29) 1,1,1-Trichloroethane  | 4.66 | 97   | 6636     | 0.531 | ug/L   | 98     |
| 35) Methylcyclohexane      | 6.13 | 83   | 10796    | 0.872 | ug/L # | 21     |
| 37) 1,2-Dichloropropane    | 6.13 | 63   | 5335     | 0.796 | ug/L # | 92     |
| 48) 2-Hexanone             | 8.20 | 43   | 8556     | 3.080 | ug/L # | 78     |

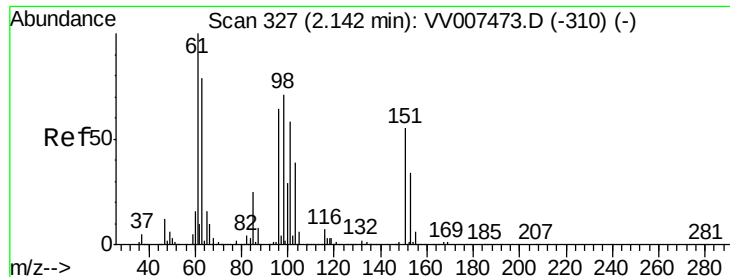
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Sep 13 02:33:45 2018  
Response via : Initial Calibration

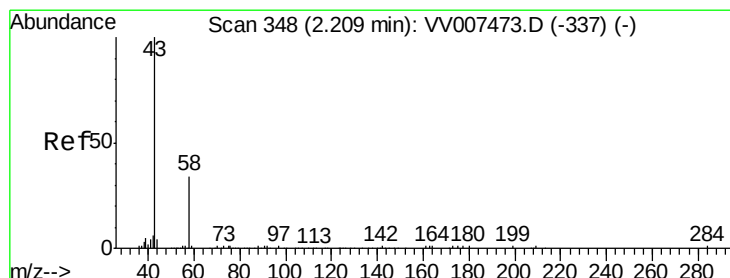
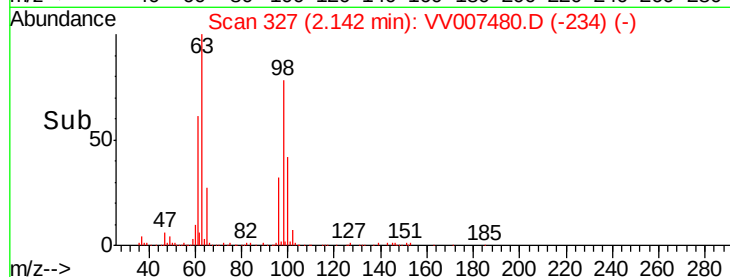
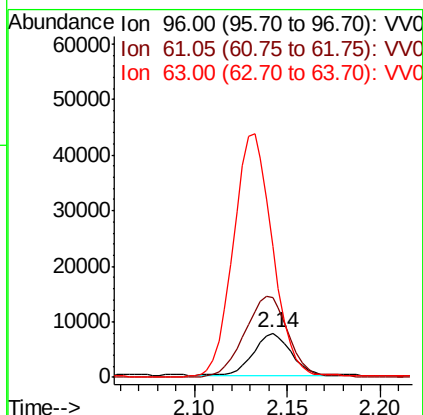
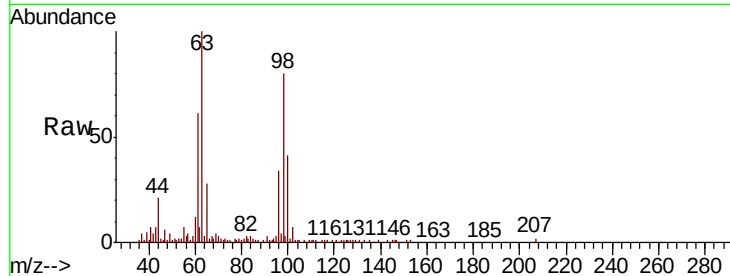




#12  
 1,1-Dichloroethene  
 Concen: 1.496 ug/L  
 RT: 2.14 min Scan# 327  
 Delta R.T. 0.00 min  
 Lab File: VV007480.D  
 Acq: 12 Sep 2018 17:39

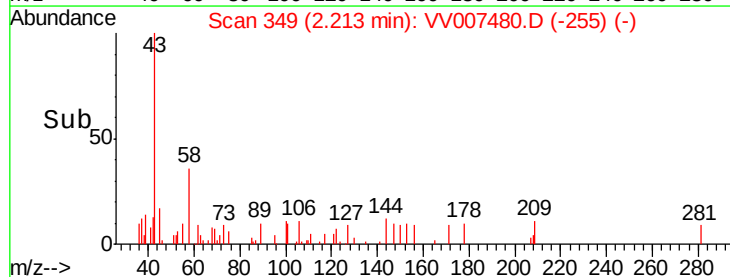
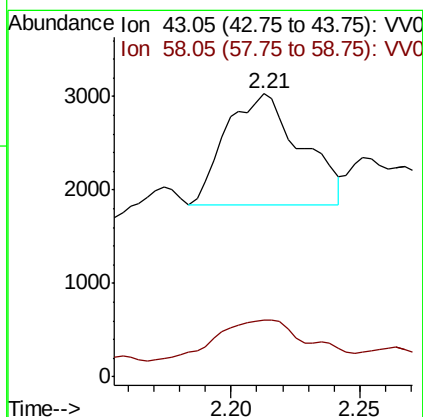
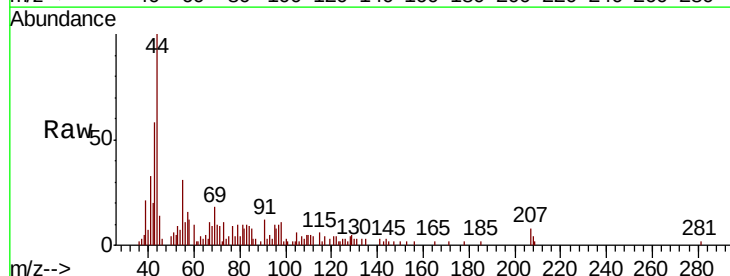
Instrument :  
 MSVOA\_V  
 ClientSampleID :  
 C0KK9

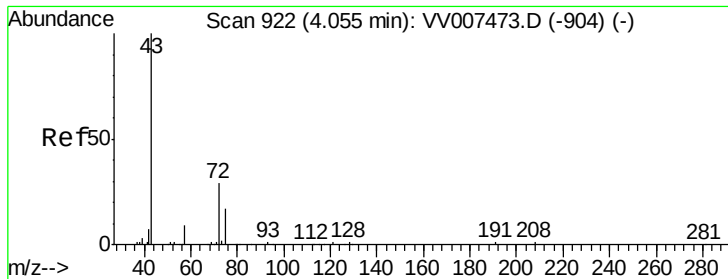
Tot Ion: 96 Resp: 10501  
 Ion Ratio Lower Upper  
 96 100  
 61 180.8 108.0 200.6  
 63 297.0 85.7 159.1#



#13  
 Acetone  
 Concen: 2.639 ug/L  
 RT: 2.21 min Scan# 349  
 Delta R.T. 0.00 min  
 Lab File: VV007480.D  
 Acq: 12 Sep 2018 17:39

Tgt Ion: 43 Resp: 2416  
 Ion Ratio Lower Upper  
 43 100  
 58 44.4 0.0 65.4





#21

2-Butanone

Concen: 0.720 ug/L

RT: 4.06 min Scan# 923

Delta R.T. 0.00 min

Lab File: VV007480.D

Acq: 12 Sep 2018 17:39

Instrument :

MSVOA\_V

ClientSampleId :

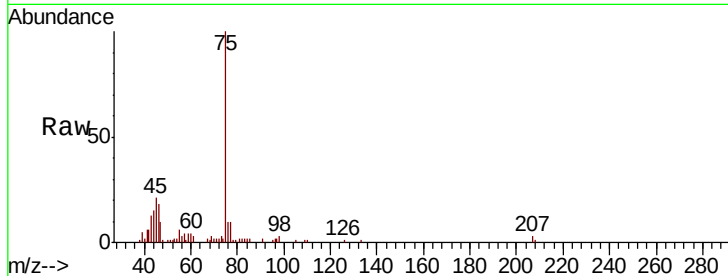
C0KK9

Tot Ion: 43 Resp: 1071

Ion Ratio Lower Upper

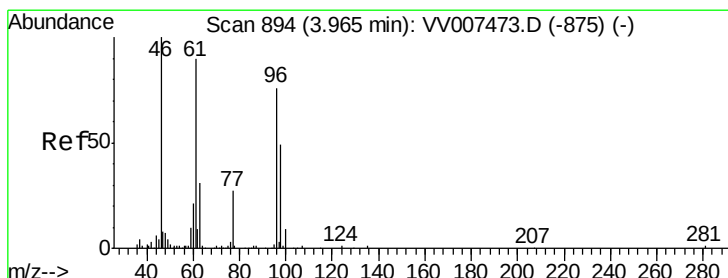
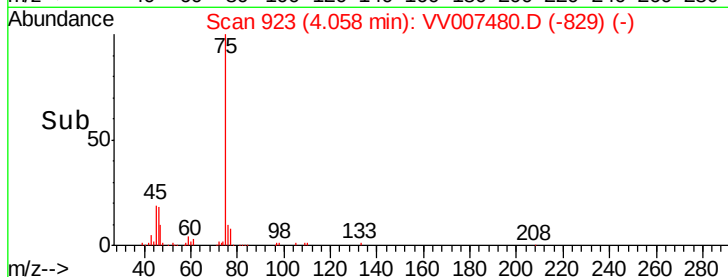
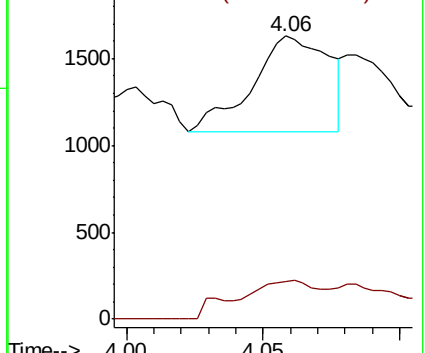
43 100

72 33.3 14.8 44.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



#22

cis-1,2-Dichloroethene

Concen: 2.262 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV007480.D

Acq: 12 Sep 2018 17:39

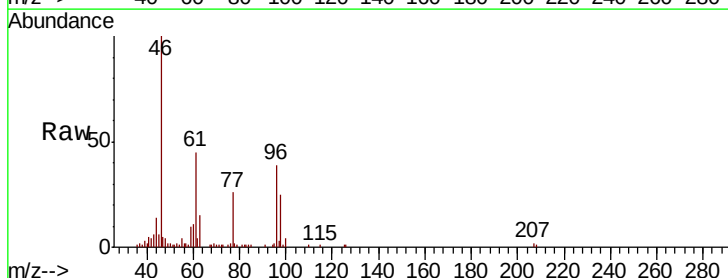
Tgt Ion: 96 Resp: 16678

Ion Ratio Lower Upper

96 100

61 116.4 82.6 153.4

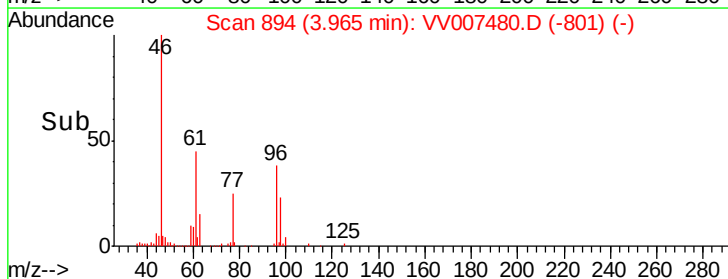
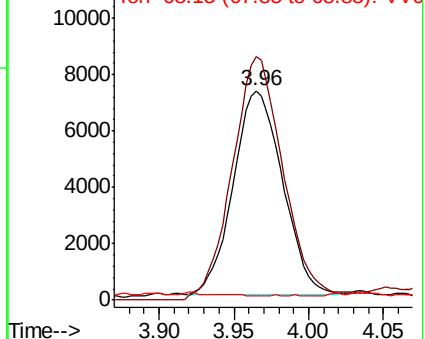
68 2.2 1.2 2.2

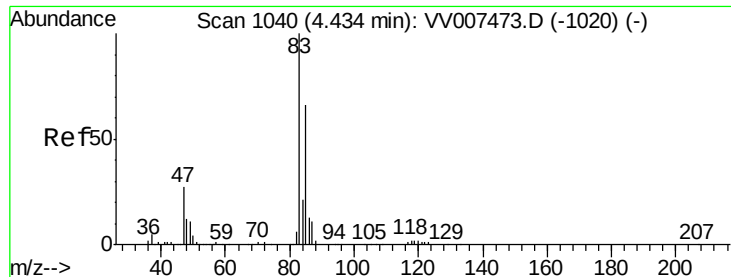


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#25

Chloroform

Concen: 0.263 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VV007480.D

Acq: 12 Sep 2018 17:39

Instrument :

MSVOA\_V

ClientSampled :

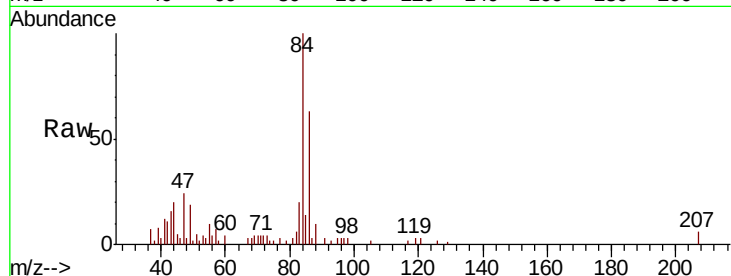
C0KK9

Tot Ion: 83 Resp: 3322

Ion Ratio Lower Upper

83 100

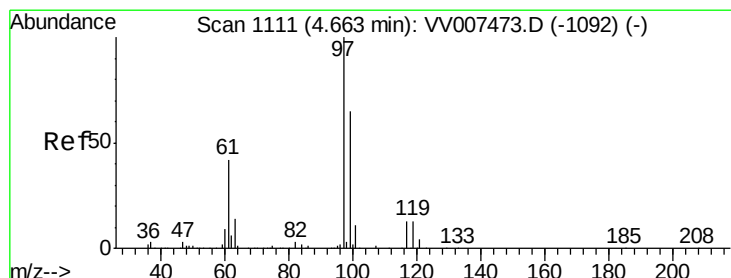
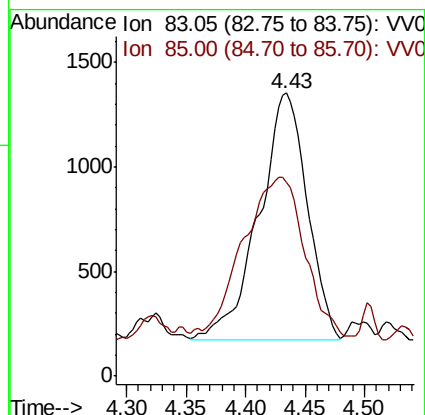
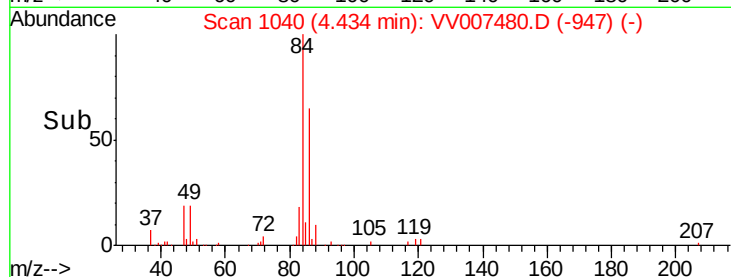
85 68.6 46.6 86.6



Abundance Ion 83.05 (82.75 to 83.75): VV007473.D (-1020) (-)

Ion 85.00 (84.70 to 85.70): VV007473.D (-1020) (-)

Time-->



#29

1,1,1-Trichloroethane

Concen: 0.531 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV007480.D

Acq: 12 Sep 2018 17:39

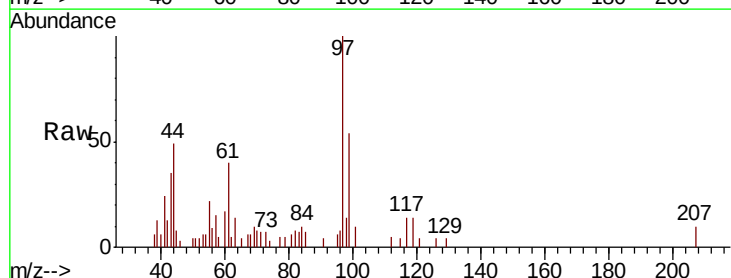
Tgt Ion: 97 Resp: 6636

Ion Ratio Lower Upper

97 100

99 65.4 51.2 76.8

61 43.1 33.4 50.2

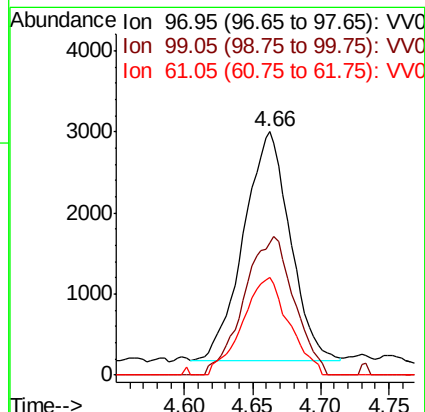
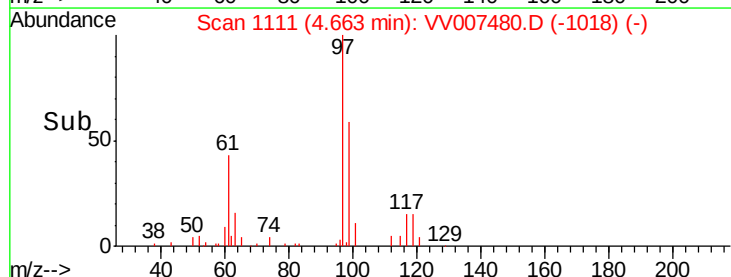


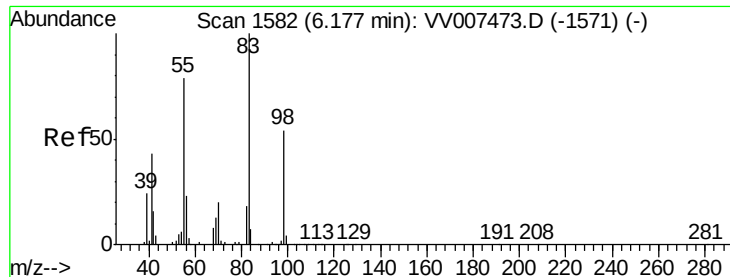
Abundance Ion 96.95 (96.65 to 97.65): VV007473.D (-1092) (-)

Ion 99.05 (98.75 to 99.75): VV007473.D (-1092) (-)

Ion 61.05 (60.75 to 61.75): VV007473.D (-1092) (-)

Time-->

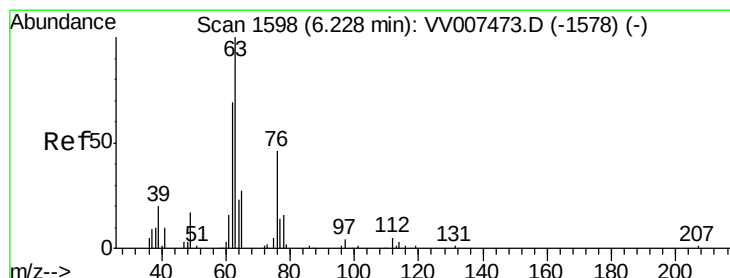
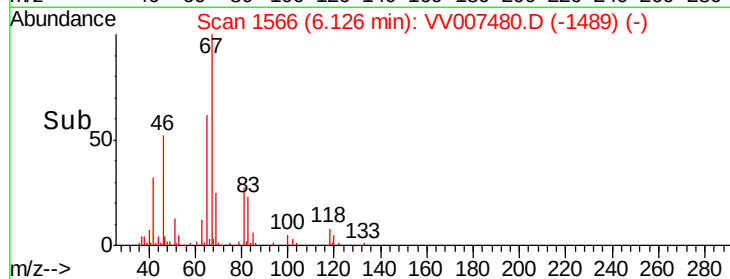
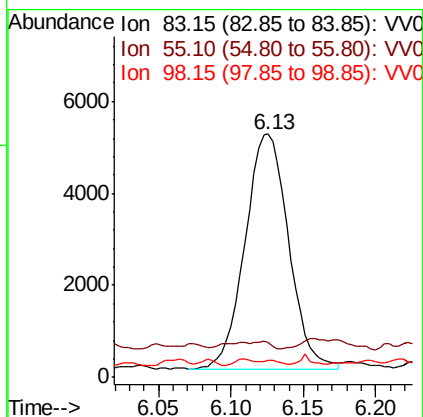
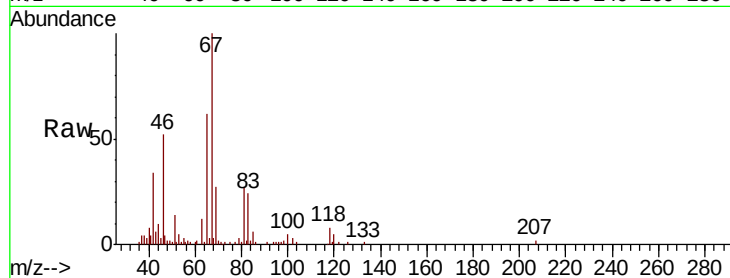




#35  
Methylvlcyclohexane  
Concen: 0.872 ug/L  
RT: 6.13 min Scan# 1566  
Delta R.T. -0.05 min  
Lab File: VV007480.D  
Acq: 12 Sep 2018 17:39

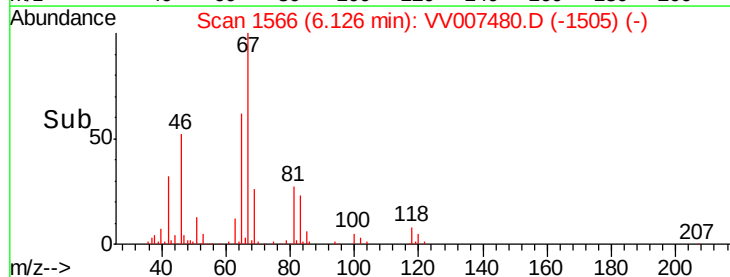
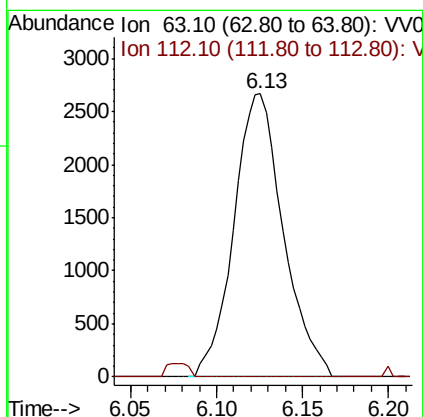
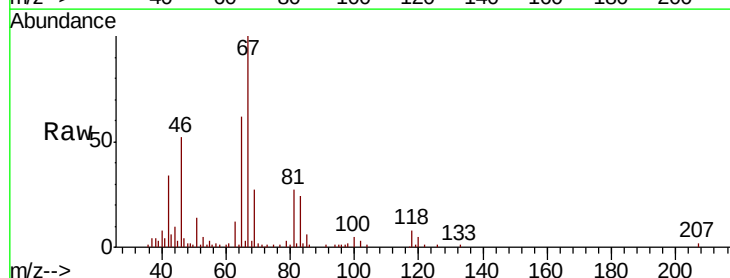
Instrument :  
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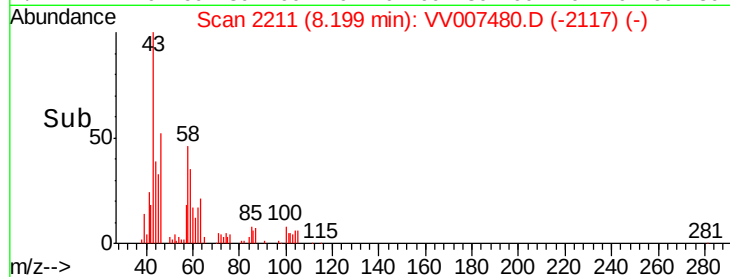
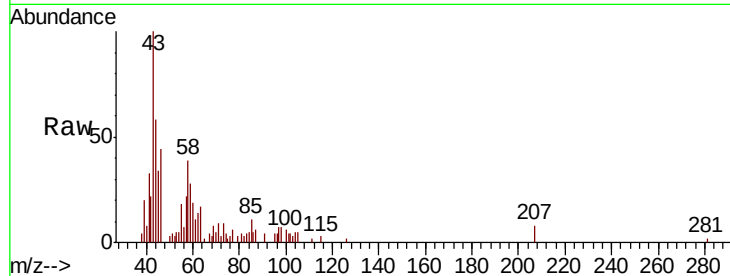
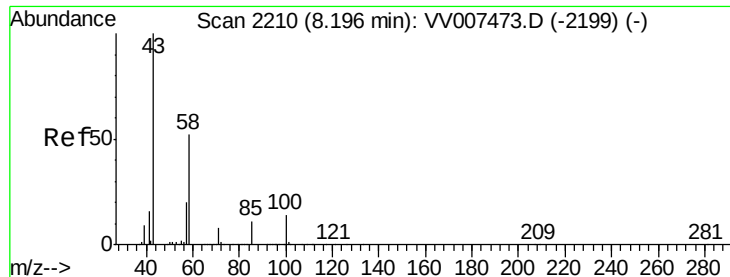
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 1.2   | 57.4  | 86.0# |
| 98      | 1.2   | 38.8  | 58.2# |



#37  
1,2-Dichloropropane  
Concen: 0.796 ug/L  
RT: 6.13 min Scan# 1566  
Delta R.T. -0.10 min  
Lab File: VV007480.D  
Acq: 12 Sep 2018 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 112     | 2.1   | 3.7   | 5.5#  |





#48

2-Hexanone

Concen: 3.080 ug/L

RT: 8.20 min Scan# 2211

Delta R.T. 0.00 min

Lab File: VV007480.D

Acq: 12 Sep 2018 17:39

Instrument :

MSVOA\_V

ClientSampleId :

C0KK9

Tot Ion: 43 Resp: 8556

Ion Ratio Lower Upper

43 100

58 40.1 47.9 71.9#

57 14.5 16.2 24.2#

100 7.5 11.0 16.4#

