

Data File : VV013736.D  
Acq On : 22 Nov 2019 16:12  
Operator : SY/MD  
Sample : K5941-06  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
B0AB8

Quant Time: Nov 23 01:38:19 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR112219WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Nov 23 01:35:18 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 348459   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 328261   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 155333   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 109028   | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 101.00% |
| 7) Chloroethane-d5             | 1.58   | 69    | 97385    | 5.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 106.40% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 146439   | 4.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 80.60%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 244048   | 54.43    | ug/L | 0.01    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 108.86% |
| 24) Chloroform-d               | 4.40   | 84    | 221491   | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.80% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 112087   | 5.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 108.40% |
| 32) Benzene-d6                 | 5.09   | 84    | 443284   | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 104.60% |
| 36) 1,2-Dichloropropane-d6     | 6.11   | 67    | 132857   | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 105.20% |
| 41) Toluene-d8                 | 7.36   | 98    | 378858   | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.40%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 47637    | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 97.00%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 175808   | 48.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 97.04%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 90248    | 5.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 103.20% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 154875   | 5.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 113.00% |

#### Target Compounds

|                                |       |     |       |       | Qvalue |    |
|--------------------------------|-------|-----|-------|-------|--------|----|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13  | 101 | 1837  | 0.096 | ug/L # | 46 |
| 25) Chloroform                 | 4.42  | 83  | 7722  | 0.193 | ug/L   | 96 |
| 35) Methylcyclohexane          | 6.11  | 83  | 33013 | 1.114 | ug/L # | 19 |
| 37) 1,2-Dichloropropane        | 6.11  | 63  | 15901 | 0.768 | ug/L # | 86 |
| 44) trans-1,3-Dichloropropene  | 7.66  | 75  | 2300  | 0.100 | ug/L   | 96 |
| 48) 2-Hexanone                 | 8.19  | 43  | 12584 | 1.460 | ug/L # | 73 |
| 69) Naphthalene                | 13.56 | 128 | 3424  | 0.080 | ug/L # | 90 |

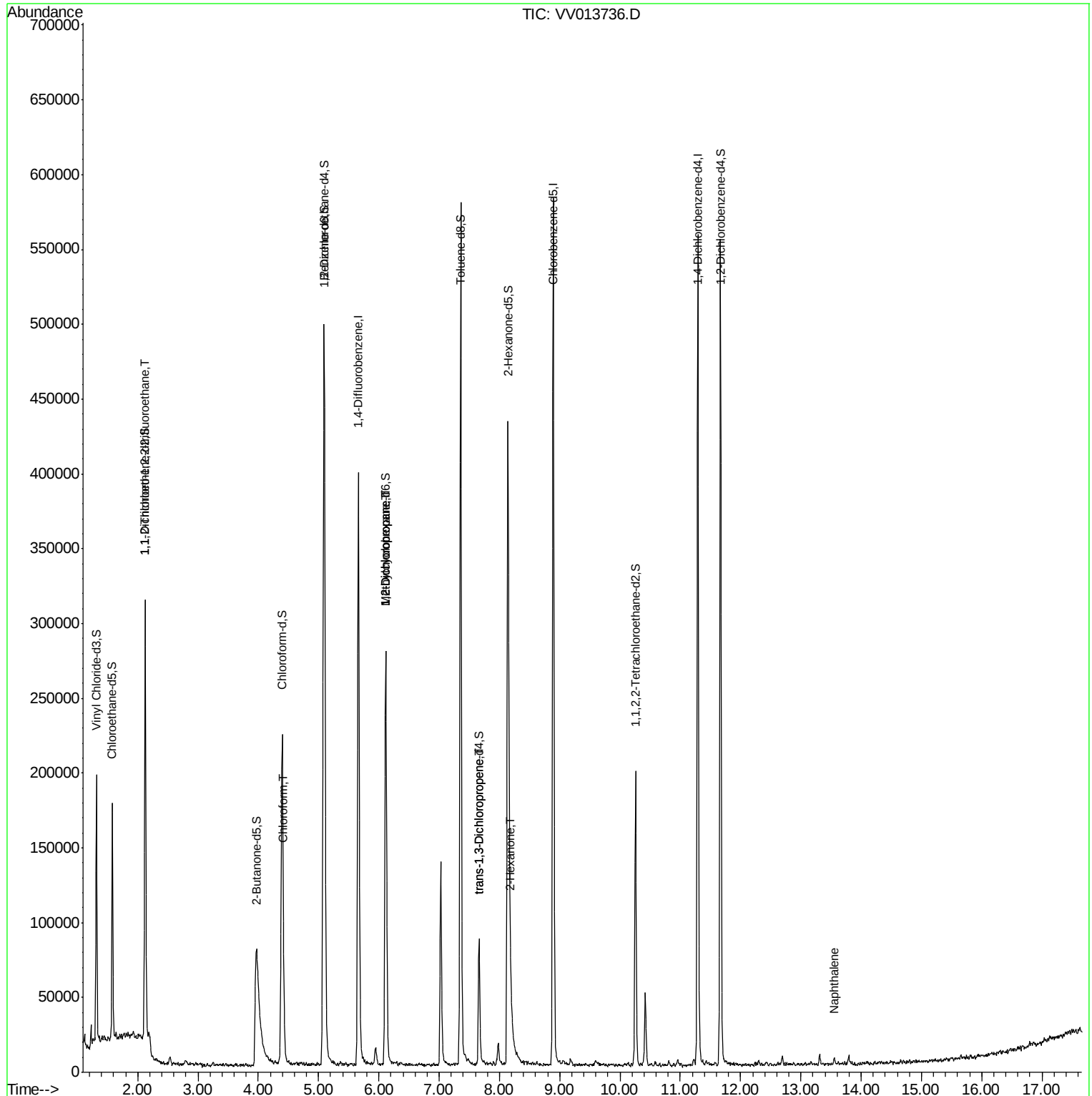
(#) = qualifier out of range (m) = manual integration (+) = signals summed

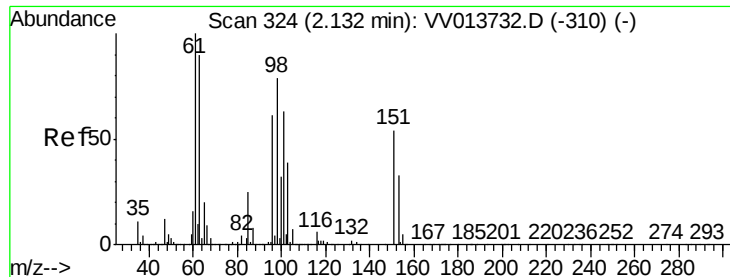
Data File : VV013736.D

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Response via : Initial Calibration





#10

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

Concen: 0.096 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013736.D

Acq: 22 Nov 2019 16:12

Instrument :

MSVOA\_V

ClientSampleId :

B0AB8

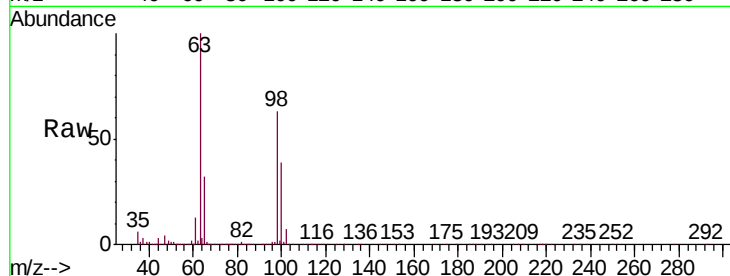
Tgt Ion: 101 Resp: 1837

Ion Ratio Lower Upper

101 100

85 23.1 33.4 50.0#

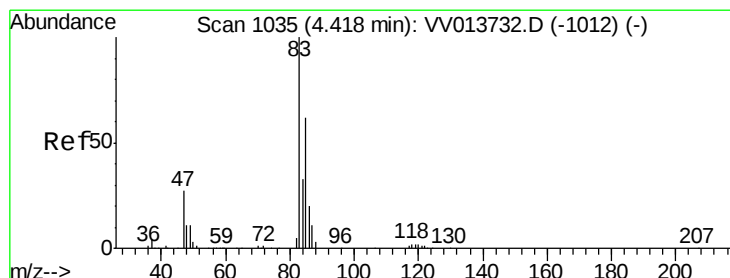
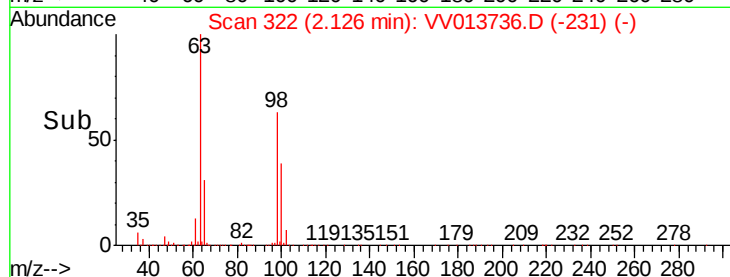
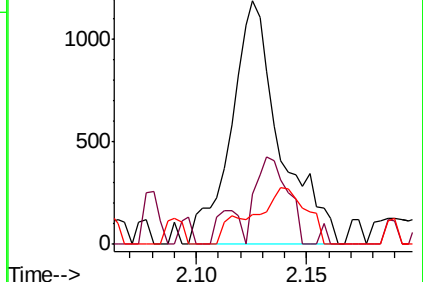
151 25.4 69.4 104.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#25

Chloroform

Concen: 0.193 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VV013736.D

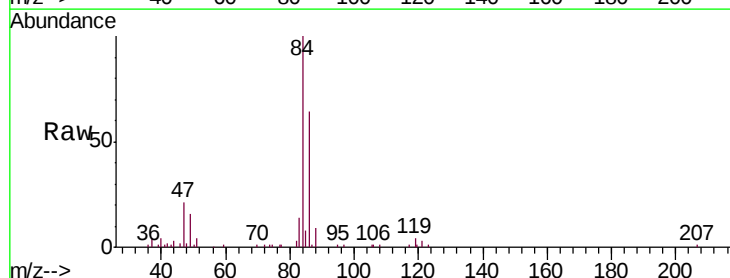
Acq: 22 Nov 2019 16:12

Tgt Ion: 83 Resp: 7722

Ion Ratio Lower Upper

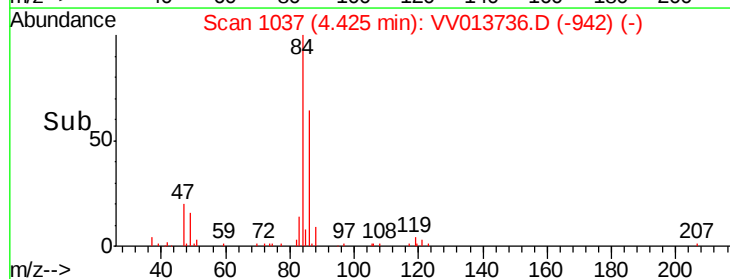
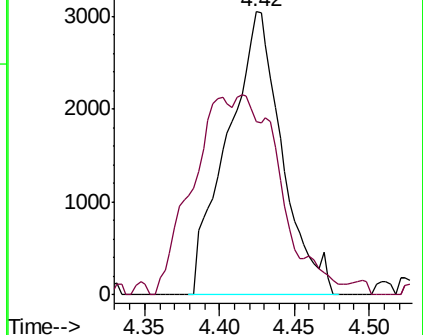
83 100

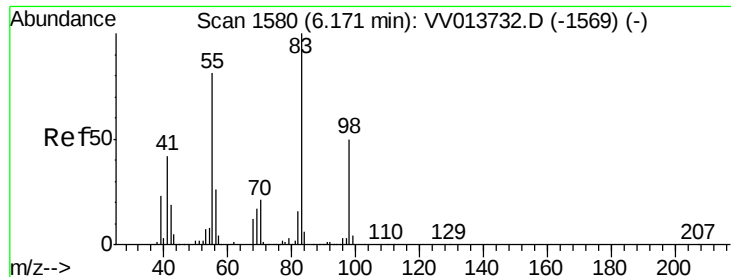
85 61.4 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

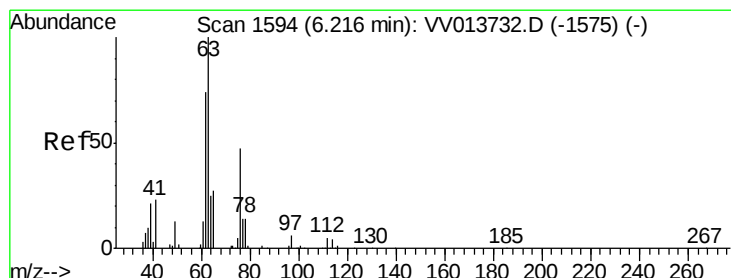
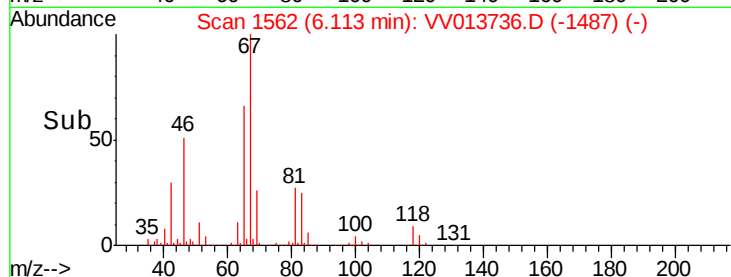
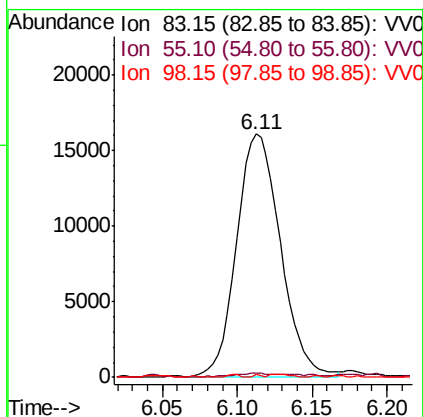
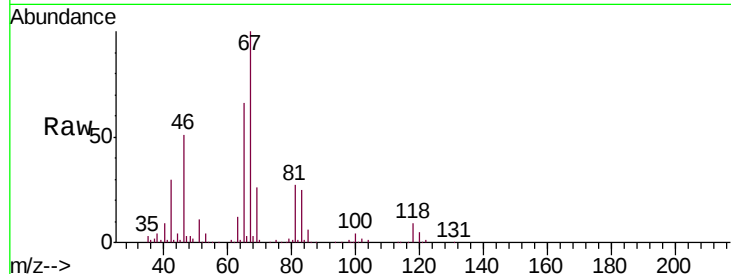




#35  
Methylcyclohexane  
Concen: 1.114 ug/L  
RT: 6.11 min Scan# 1562  
Delta R.T. -0.06 min  
Lab File: VV013736.D  
Acq: 22 Nov 2019 16:12

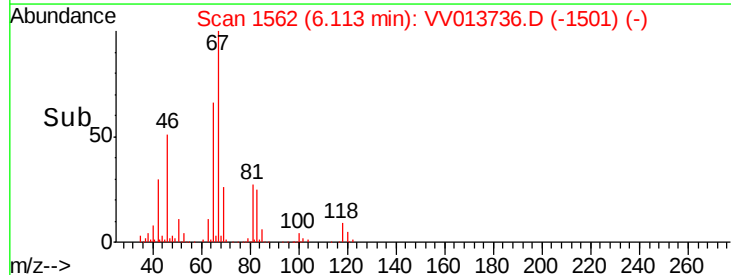
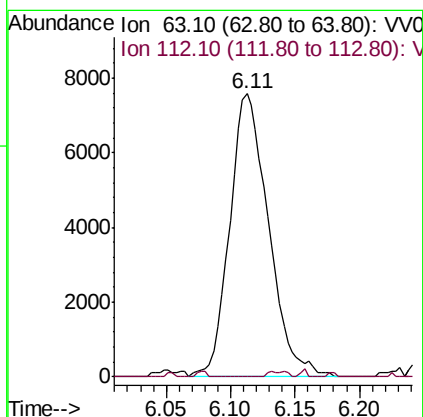
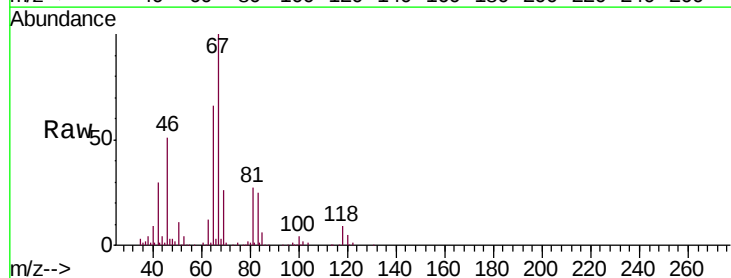
Instrument :  
MSVOA\_V  
ClientSampleId :  
B0AB8

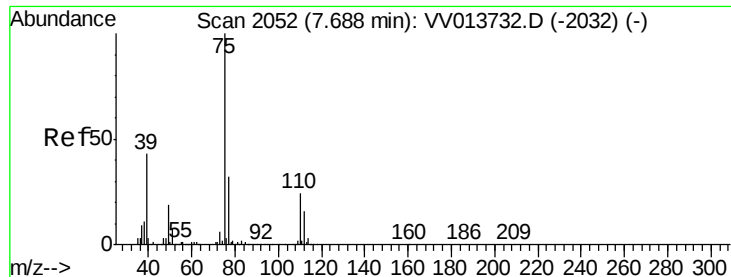
Tgt Ion: 83 Resp: 33013  
Ion Ratio Lower Upper  
83 100  
55 0.9 60.3 90.5#  
98 0.6 38.1 57.1#



#37  
1,2-Dichloropropane  
Concen: 0.768 ug/L  
RT: 6.11 min Scan# 1562  
Delta R.T. -0.10 min  
Lab File: VV013736.D  
Acq: 22 Nov 2019 16:12

Tgt Ion: 63 Resp: 15901  
Ion Ratio Lower Upper  
63 100  
112 0.9 4.4 6.6#





#44

trans-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013736.D

Acq: 22 Nov 2019 16:12

Instrument :

MSVOA\_V

ClientSampleId :

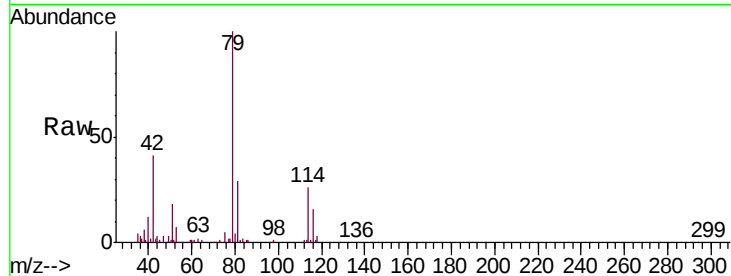
B0AB8

Tgt Ion: 75 Resp: 2300

Ion Ratio Lower Upper

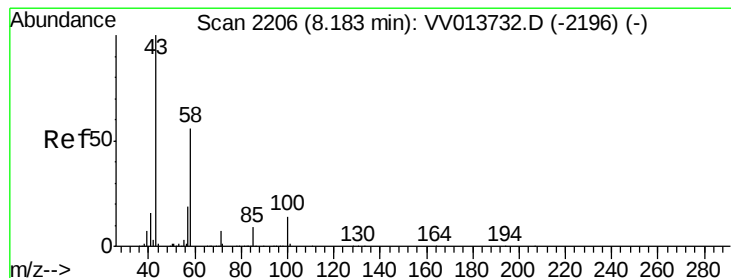
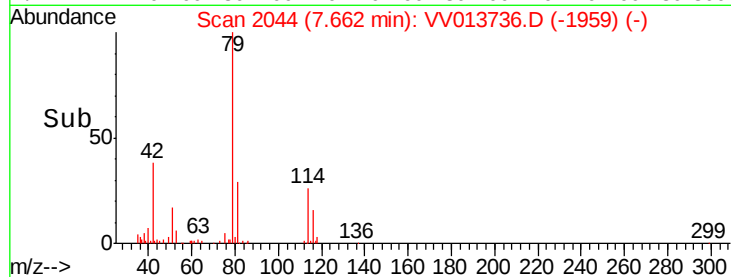
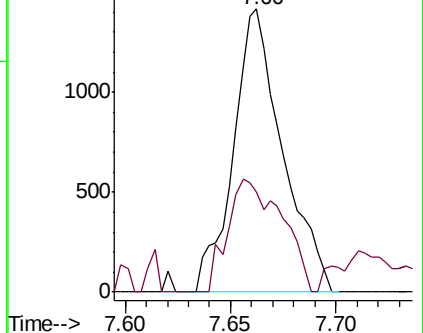
75 100

77 35.3 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#48

2-Hexanone

Concen: 1.460 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.01 min

Lab File: VV013736.D

Acq: 22 Nov 2019 16:12

Tgt Ion: 43 Resp: 12584

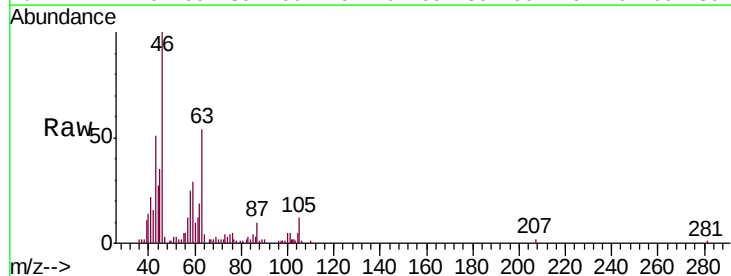
Ion Ratio Lower Upper

43 100

58 37.3 43.2 64.8#

57 0.0 15.4 23.2#

100 4.4 10.4 15.6#

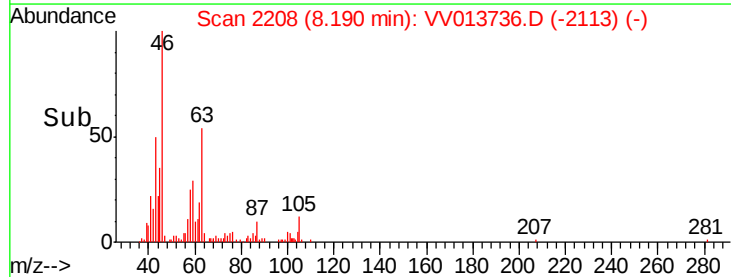
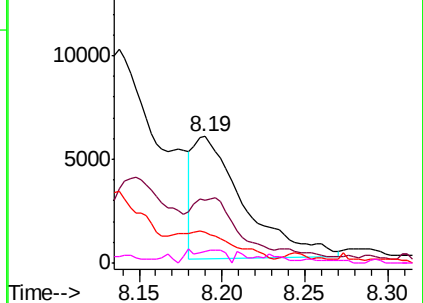


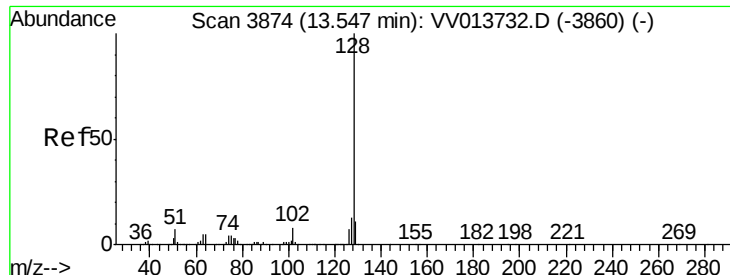
Abundance Ion 43.05 (42.75 to 43.75): VV0

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





#69

Naphthalene

Concen: 0.080 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.01 min

Lab File: VV013736.D

Acq: 22 Nov 2019 16:12

Instrument :

MSVOA\_V

ClientSampleId :

B0AB8

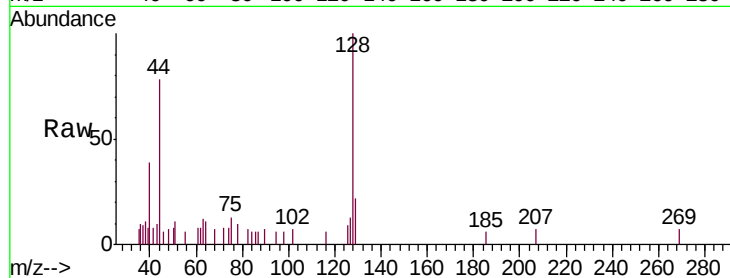
Tgt Ion:128 Resp: 3424

Ion Ratio Lower Upper

128 100

129 13.0 8.6 12.8#

127 8.1 10.6 16.0#



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

