

Data File : VV011996.D  
Acq On : 24 Jul 2019 05:23  
Operator : SY/MD  
Sample : K3960-04  
Misc : 25ML/MSVOA\_V/WATER  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
DB9A9

Quant Time: Jul 24 07:53:22 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR072219WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Jul 24 07:47:25 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 154479   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 149000   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 75842    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 34624    | 4.31     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 86.20% |
| 7) Chloroethane-d5             | 1.59   | 69    | 28332    | 4.49     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 89.80% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 55448    | 3.47     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 69.40% |
| 20) 2-Butanone-d5              | 3.93   | 46    | 105337   | 44.88    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 89.76% |
| 24) Chloroform-d               | 4.40   | 84    | 91593    | 4.35     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.00% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 51627    | 4.80     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.00% |
| 32) Benzene-d6                 | 5.10   | 84    | 191444   | 4.61     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.20% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 51957    | 4.37     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 87.40% |
| 41) Toluene-d8                 | 7.36   | 98    | 172247   | 4.47     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.40% |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 19387    | 4.02     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 80.40% |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 86744    | 44.76    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 89.52% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 38095    | 4.51     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 90.20% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 71418    | 4.89     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 97.80% |

#### Target Compounds

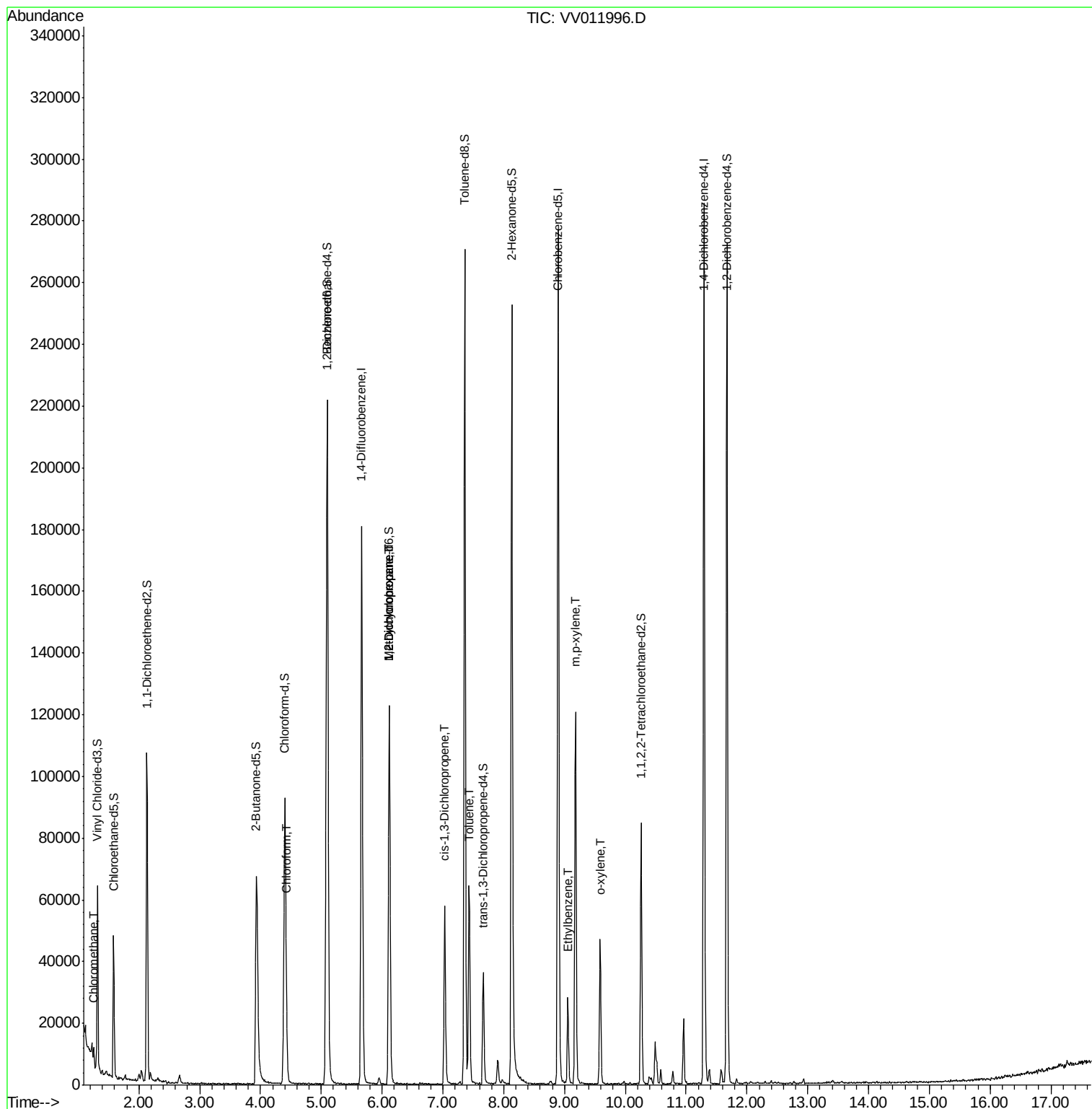
|                             |      |     |       |       |        | Qvalue |
|-----------------------------|------|-----|-------|-------|--------|--------|
| 3) Chloromethane            | 1.25 | 50  | 3301  | 0.356 | ug/L   | 95     |
| 25) Chloroform              | 4.43 | 83  | 5049  | 0.216 | ug/L   | 85     |
| 35) Methylcyclohexane       | 6.12 | 83  | 14425 | 0.761 | ug/L # | 17     |
| 37) 1,2-Dichloropropane     | 6.12 | 63  | 6641  | 0.630 | ug/L # | 84     |
| 39) cis-1,3-Dichloropropene | 7.03 | 75  | 1649  | 0.106 | ug/L # | 78     |
| 42) Toluene                 | 7.43 | 91  | 44956 | 0.956 | ug/L   | 95     |
| 52) Ethylbenzene            | 9.05 | 91  | 18784 | 0.350 | ug/L   | 94     |
| 53) m,p-xylene              | 9.18 | 106 | 31967 | 1.564 | ug/L   | 97     |
| 54) o-xylene                | 9.59 | 106 | 12377 | 0.639 | ug/L   | 99     |

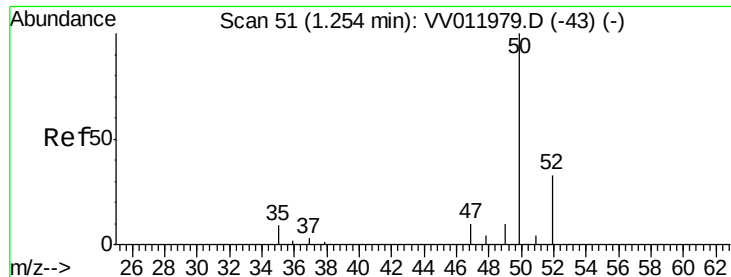
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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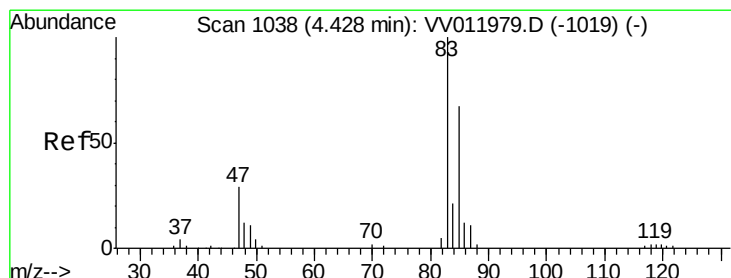
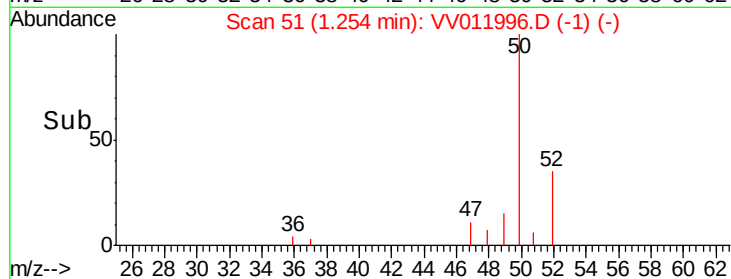
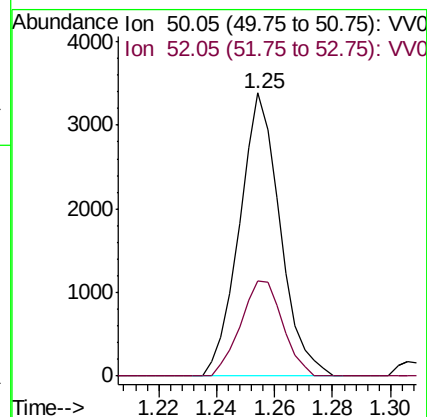
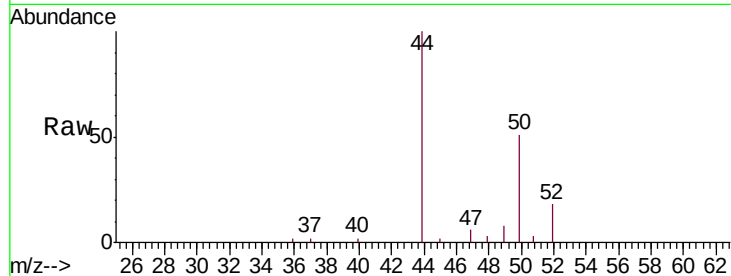




#3  
Chloromethane  
Concen: 0.356 ug/L  
RT: 1.25 min Scan# 51  
Delta R.T. -0.00 min  
Lab File: VV011996.D  
Acq: 24 Jul 2019 05:23

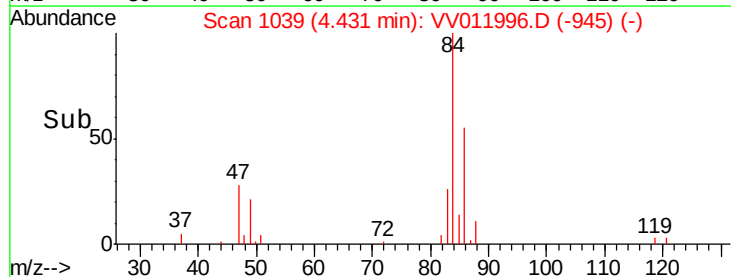
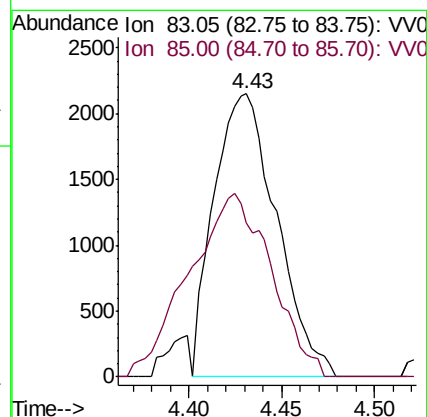
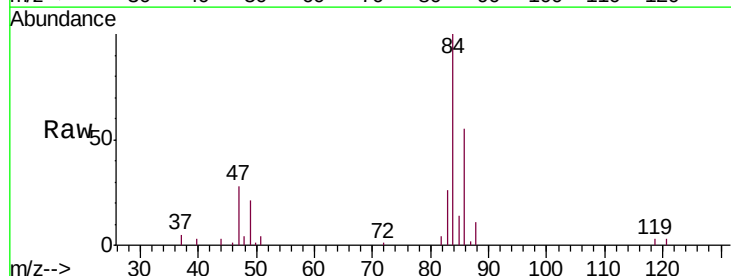
Instrument :  
MSVOA\_V  
ClientSampleId :  
DB9A9

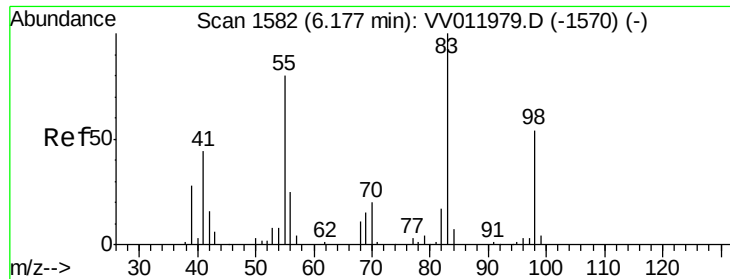
Tgt Ion: 50 Resp: 3301  
Ion Ratio Lower Upper  
50 100  
52 33.6 21.6 40.2



#25  
Chloroform  
Concen: 0.216 ug/L  
RT: 4.43 min Scan# 1039  
Delta R.T. 0.00 min  
Lab File: VV011996.D  
Acq: 24 Jul 2019 05:23

Tgt Ion: 83 Resp: 5049  
Ion Ratio Lower Upper  
83 100  
85 54.3 46.5 86.3

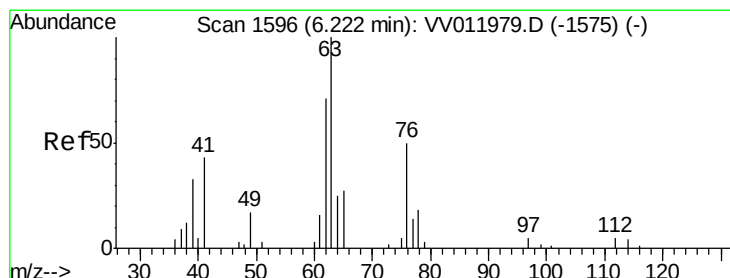
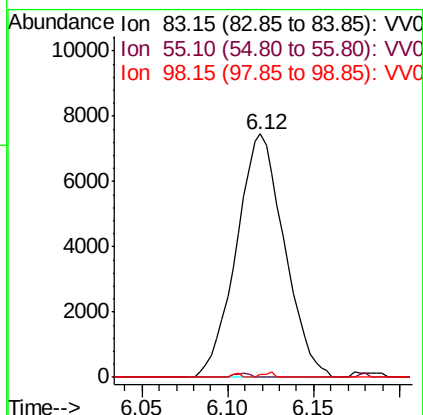
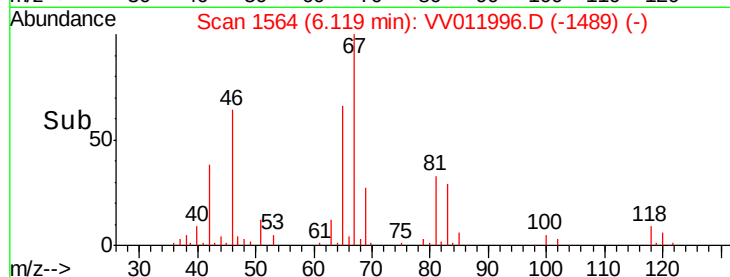
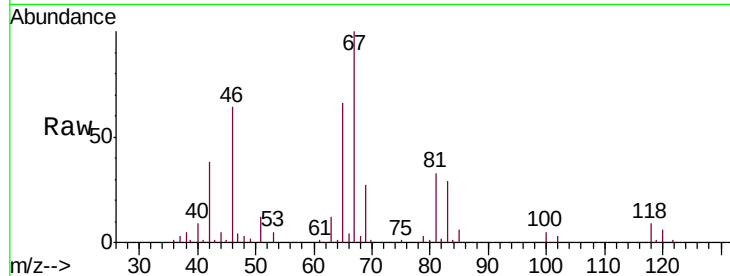




#35  
Methylcyclohexane  
Concen: 0.761 ug/L  
RT: 6.12 min Scan# 1564  
Delta R.T. -0.06 min  
Lab File: VV011996.D  
Acq: 24 Jul 2019 05:23

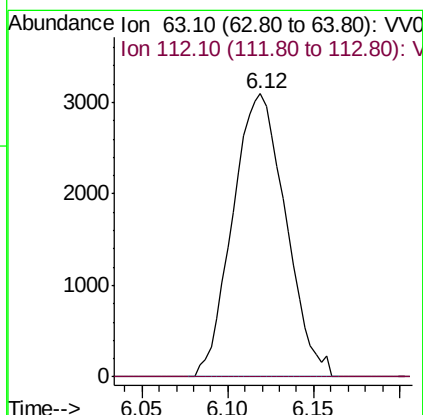
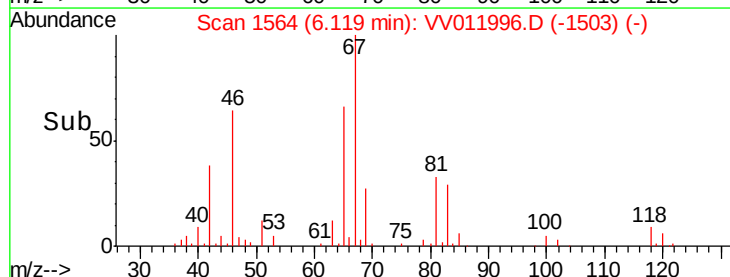
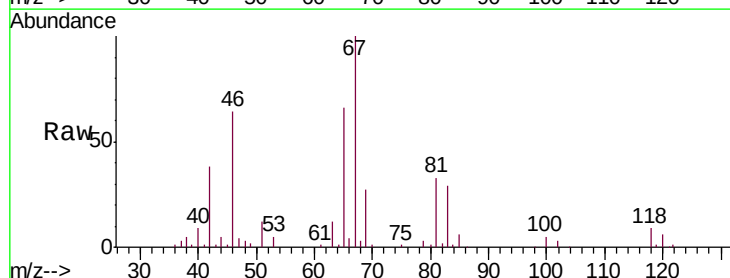
Instrument :  
MSVOA\_V  
ClientSampleId :  
DB9A9

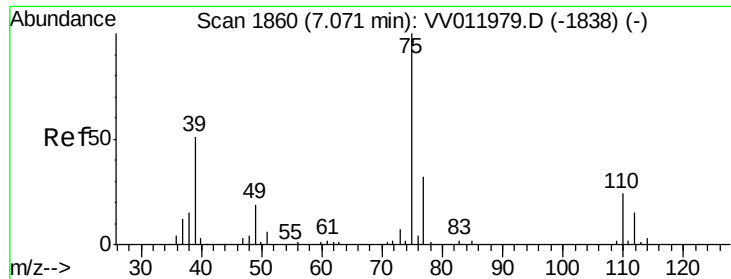
Tgt Ion: 83 Resp: 14425  
Ion Ratio Lower Upper  
83 100  
55 0.3 63.0 94.4#  
98 0.5 41.4 62.0#



#37  
1,2-Dichloropropane  
Concen: 0.630 ug/L  
RT: 6.12 min Scan# 1564  
Delta R.T. -0.10 min  
Lab File: VV011996.D  
Acq: 24 Jul 2019 05:23

Tgt Ion: 63 Resp: 6641  
Ion Ratio Lower Upper  
63 100  
112 0.0 4.2 6.4#

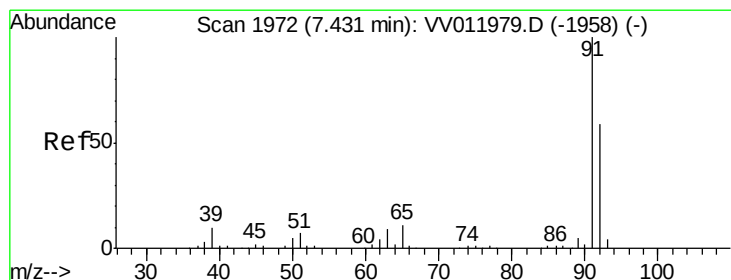
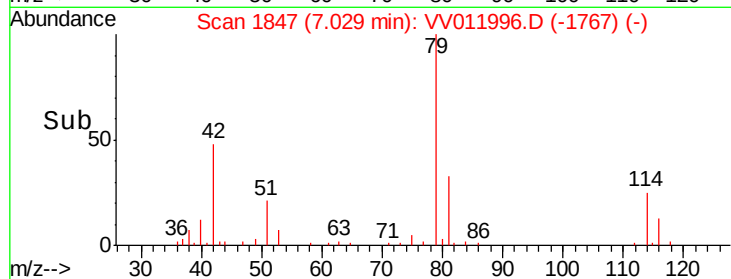
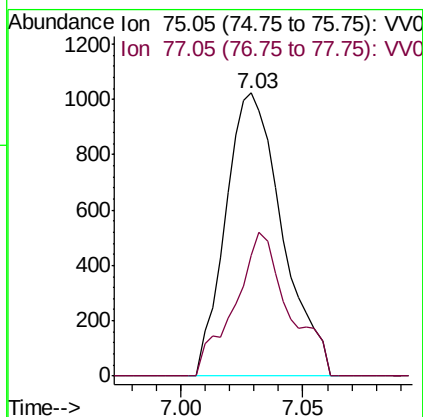
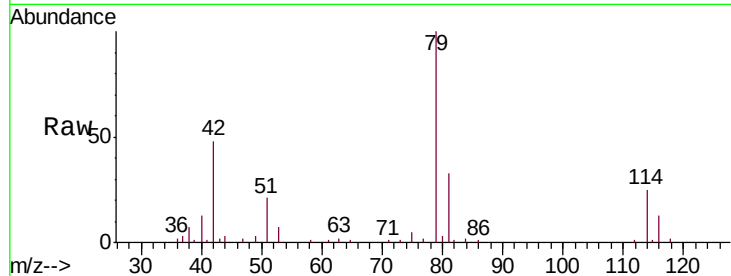




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.106 ug/L  
 RT: 7.03 min Scan# 1847  
 Delta R.T. -0.04 min  
 Lab File: VV011996.D  
 Acq: 24 Jul 2019 05:23

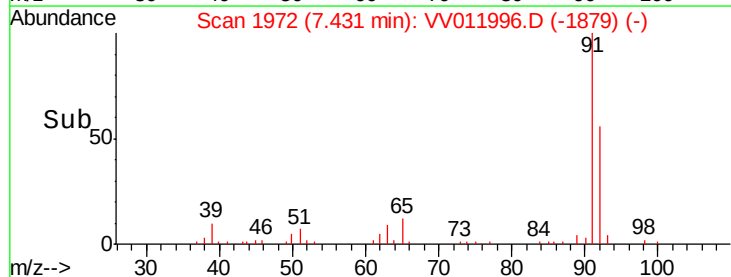
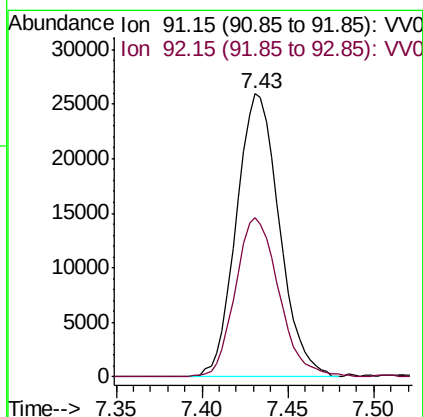
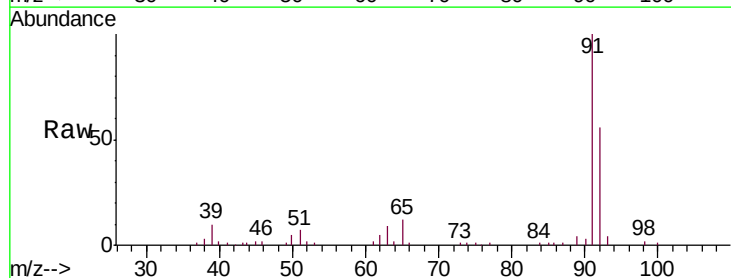
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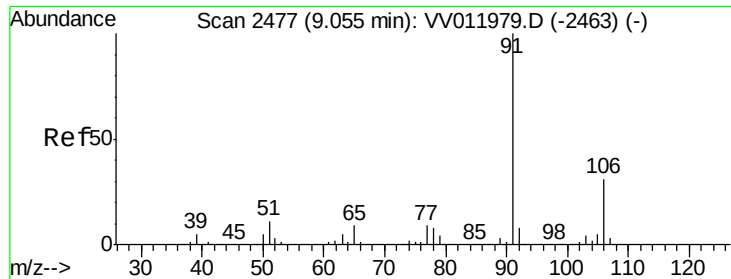
Tgt Ion: 75 Resp: 1649  
 Ion Ratio Lower Upper  
 75 100  
 77 42.6 21.3 39.6#



#42  
 Toluene  
 Concen: 0.956 ug/L  
 RT: 7.43 min Scan# 1972  
 Delta R.T. -0.00 min  
 Lab File: VV011996.D  
 Acq: 24 Jul 2019 05:23

Tgt Ion: 91 Resp: 44956  
 Ion Ratio Lower Upper  
 91 100  
 92 56.4 41.9 77.9





#52

Ethylbenzene

Concen: 0.350 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011996.D

Acq: 24 Jul 2019 05:23

Instrument :

MSVOA\_V

ClientSampleId :

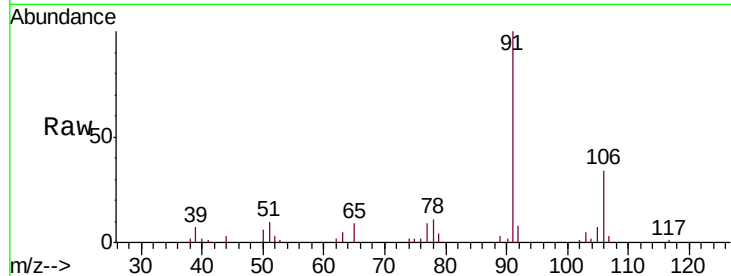
DB9A9

Tgt Ion: 91 Resp: 18784

Ion Ratio Lower Upper

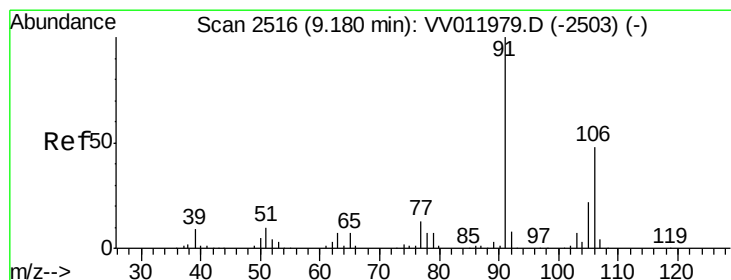
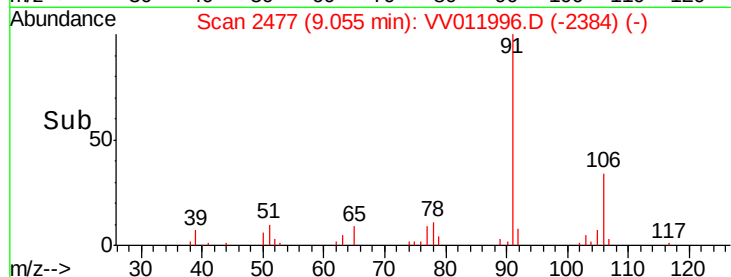
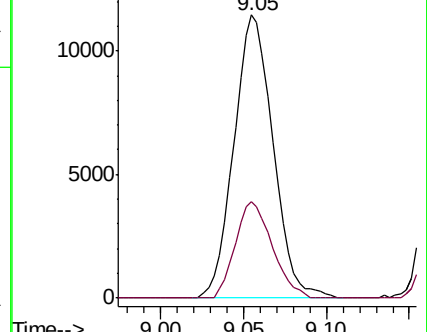
91 100

106 34.0 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV011979.D (-2463) (-)

Ion 106.15 (105.85 to 106.85): VV011979.D (-2463) (-)



#53

m,p-xylene

Concen: 1.564 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011996.D

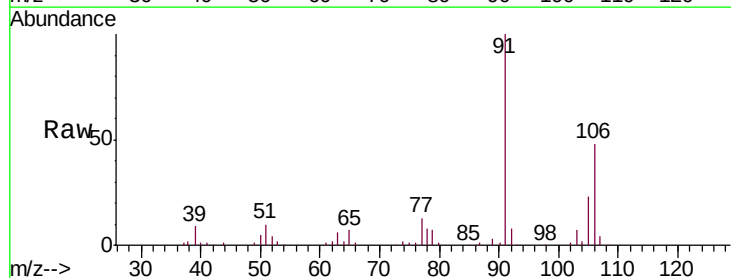
Acq: 24 Jul 2019 05:23

Tgt Ion: 106 Resp: 31967

Ion Ratio Lower Upper

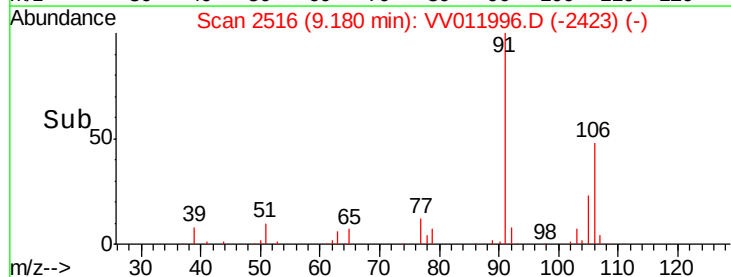
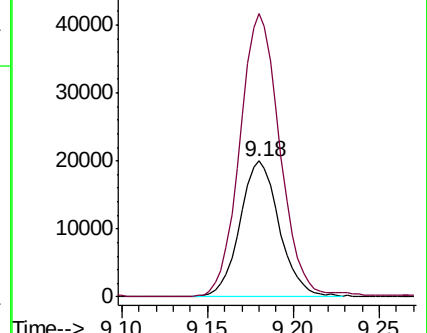
106 100

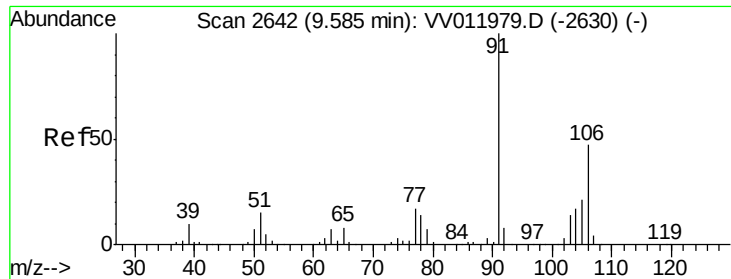
91 208.7 142.7 265.1



Abundance Ion 106.15 (105.85 to 106.85): VV011979.D (-2503) (-)

Ion 91.15 (90.85 to 91.85): VV011979.D (-2503) (-)





#54  
 o-xylene  
 Concen: 0.639 ug/L  
 RT: 9.59 min Scan# 2642  
 Delta R.T. -0.00 min  
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Tgt Ion:106 Resp: 12377  
 Ion Ratio Lower Upper  
 106 100  
 91 214.9 151.0 280.4

