

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100918\  
 Data File : VV008213.D  
 Acq On : 09 Oct 2018 21:54  
 Operator : SY/MD  
 Sample : VV1009WBL02  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK64

Quant Time: Oct 10 04:54:16 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR100518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Oct 10 04:51:19 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 95582    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 91631    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 42819    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 27041    | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 92.20%  |
| 7) Chloroethane-d5             | 1.59   | 69    | 23132    | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 93.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 40547    | 3.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.60%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 83053    | 58.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 117.68% |
| 24) Chloroform-d               | 4.41   | 84    | 60306    | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 30698    | 5.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.40% |
| 32) Benzene-d6                 | 5.10   | 84    | 115828   | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 37614    | 5.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.40% |
| 41) Toluene-d8                 | 7.36   | 98    | 103000   | 4.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.60%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 12252    | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 94.80%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 52874    | 51.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 102.64% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 26030    | 5.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 100.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 42570    | 5.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 104.80% |

## Target Compounds

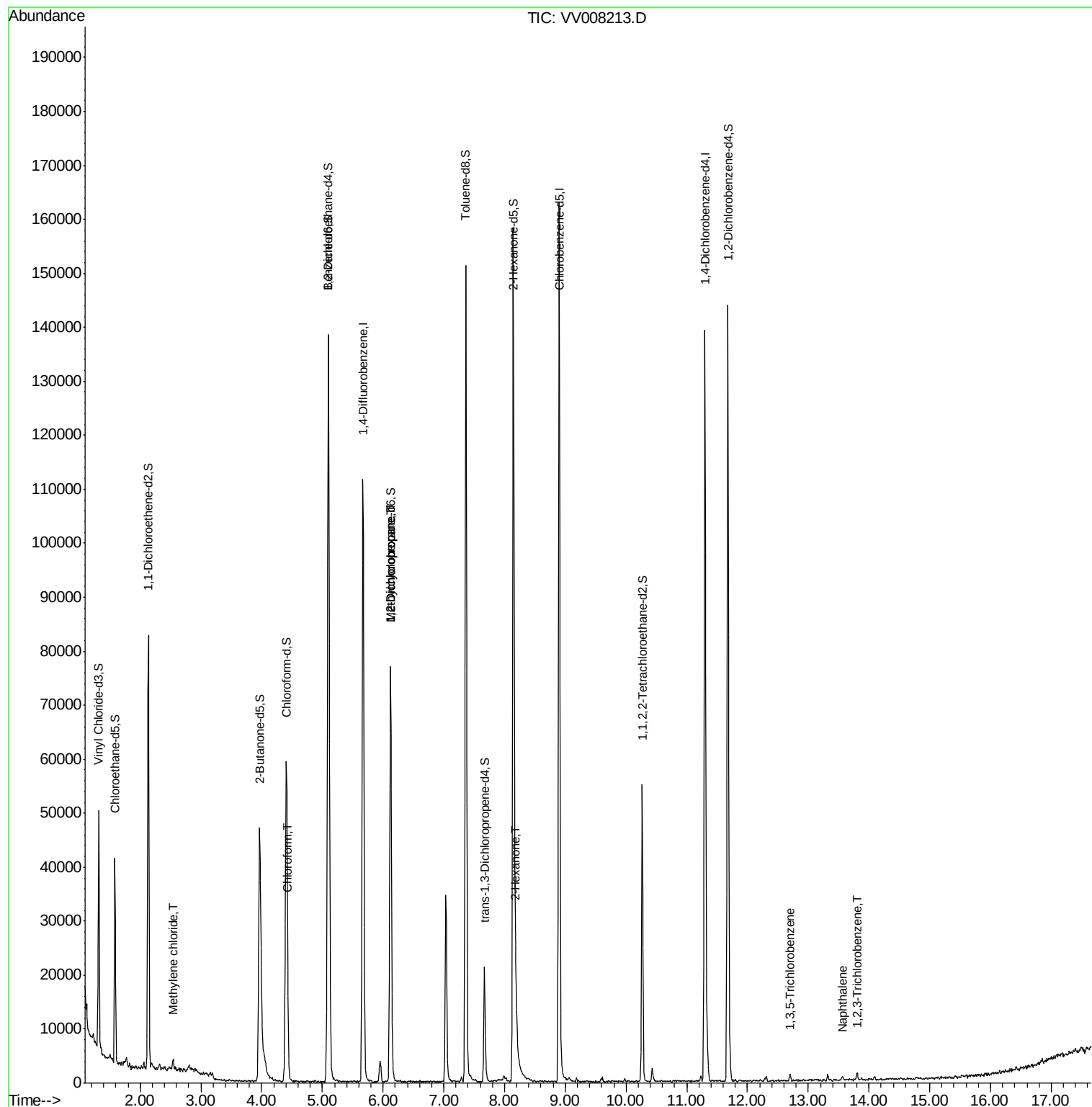
|                            |       |     |      |              | Ovalue |
|----------------------------|-------|-----|------|--------------|--------|
| 16) Methylene chloride     | 2.54  | 84  | 707  | 0.113 ug/L   | 81     |
| 25) Chloroform             | 4.44  | 83  | 1199 | 0.104 ug/L   | 94     |
| 35) Methylcyclohexane      | 6.12  | 83  | 9154 | 0.971 ug/L # | 17     |
| 37) 1,2-Dichloropropane    | 6.12  | 63  | 3941 | 0.632 ug/L # | 87     |
| 48) 2-Hexanone             | 8.19  | 43  | 5183 | 2.159 ug/L # | 95     |
| 67) 1,3,5-Trichlorobenzene | 12.70 | 180 | 625  | 0.058 ug/L # | 83     |
| 69) Naphthalene            | 13.56 | 128 | 1032 | 0.100 ug/L # | 70     |
| 70) 1,2,3-Trichlorobenzene | 13.81 | 180 | 676  | 0.088 ug/L # | 17     |

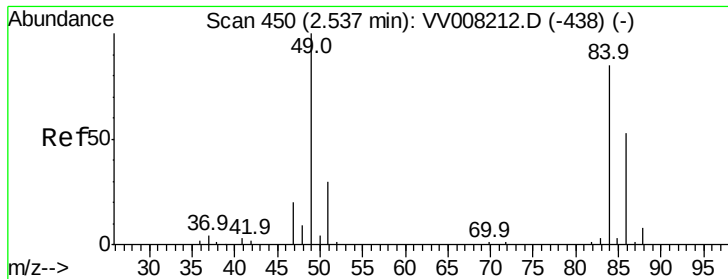
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Oct 10 04:51:19 2018  
Response via : Initial Calibration

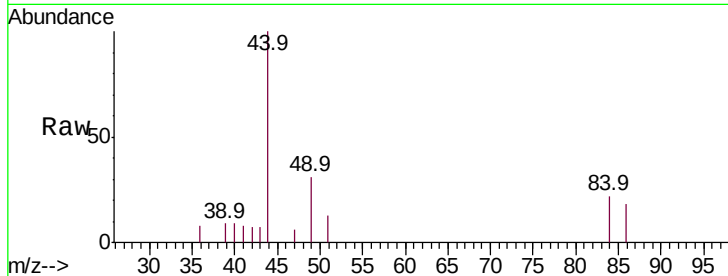




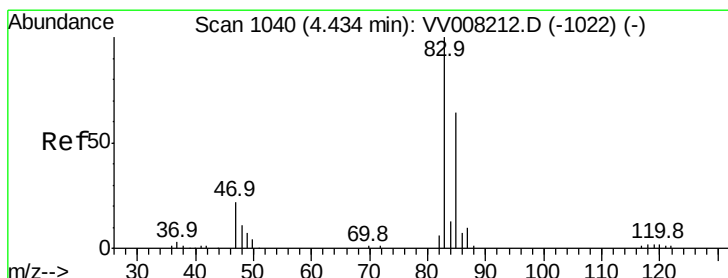
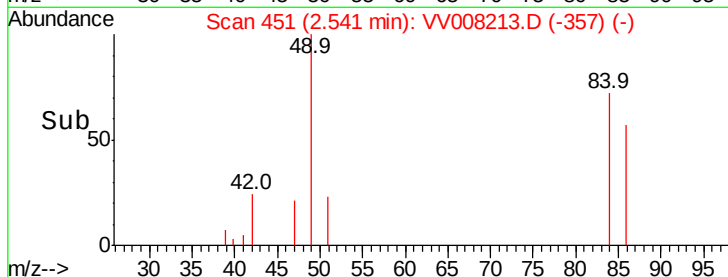
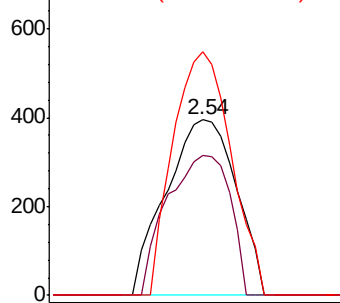
#16  
Methvlene chloride  
Concen: 0.113 ug/L  
RT: 2.54 min Scan# 451  
Delta R.T. 0.00 min  
Lab File: VV008213.D  
Acq: 09 Oct 2018 21:54

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK64

Tot Ion: 84 Resp: 707  
Ion Ratio Lower Upper  
84 100  
86 79.7 45.3 84.1  
49 138.7 83.0 154.1

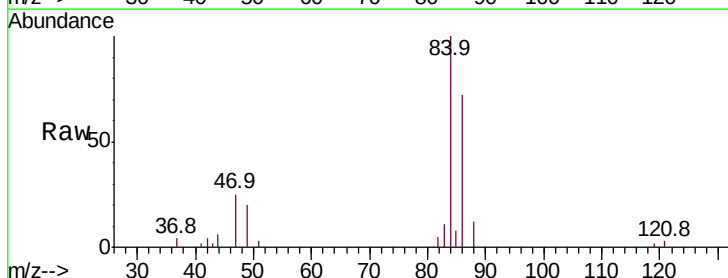


Abundance Ion 84.05 (83.75 to 84.75): VV0  
Ion 86.00 (85.70 to 86.70): VV0  
Ion 49.10 (48.80 to 49.80): VV0

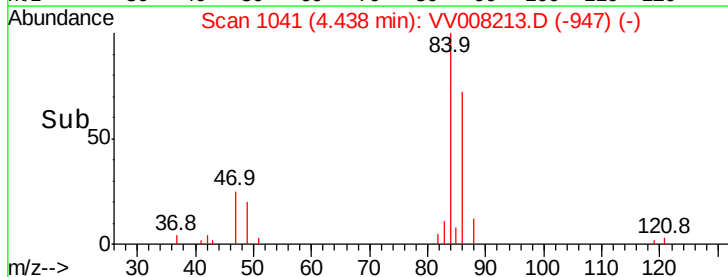
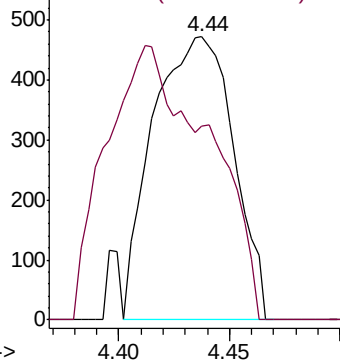


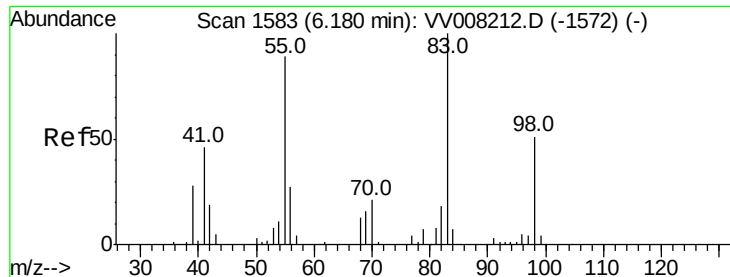
#25  
Chloroform  
Concen: 0.104 ug/L  
RT: 4.44 min Scan# 1041  
Delta R.T. 0.00 min  
Lab File: VV008213.D  
Acq: 09 Oct 2018 21:54

Tgt Ion: 83 Resp: 1199  
Ion Ratio Lower Upper  
83 100  
85 68.6 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VV0  
Ion 85.00 (84.70 to 85.70): VV0

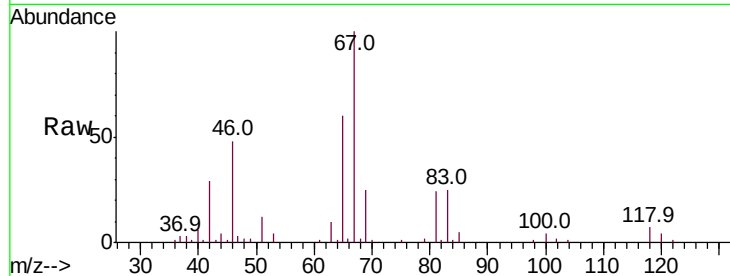




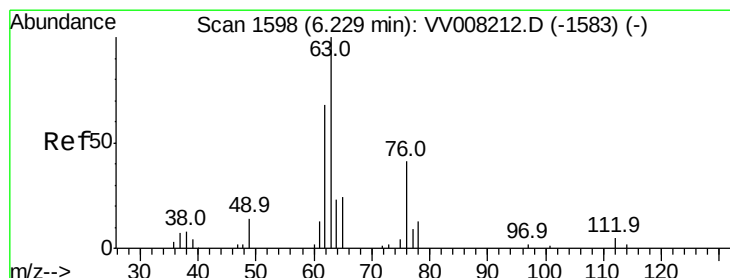
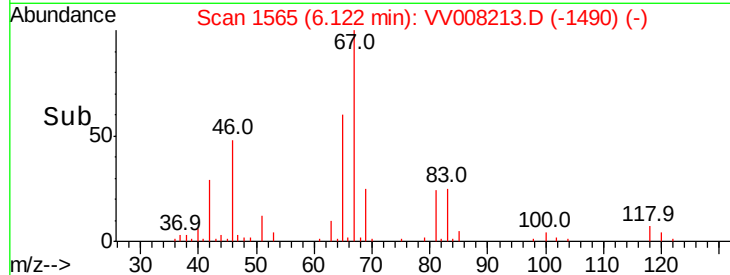
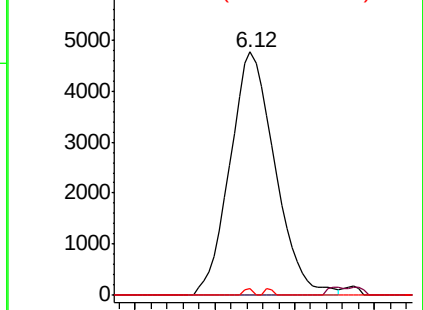
#35  
Methylvlcyclohexane  
Concen: 0.971 ug/L  
RT: 6.12 min Scan# 1565  
Delta R.T. -0.06 min  
Lab File: VV008213.D  
Acq: 09 Oct 2018 21:54

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK64

Tot Ion: 83 Resp: 9154  
Ion Ratio Lower Upper  
83 100  
55 0.0 63.6 95.4#  
98 0.5 38.3 57.5#

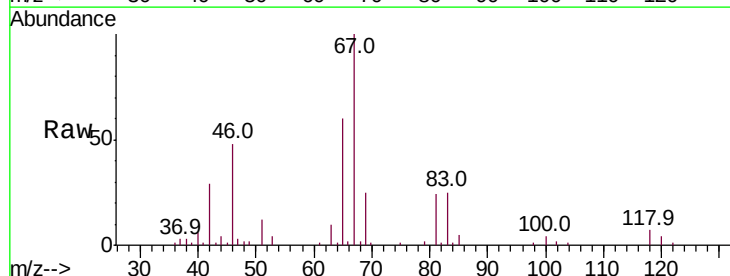


Abundance Ion 83.15 (82.85 to 83.85): VV0  
Ion 55.10 (54.80 to 55.80): VV0  
Ion 98.15 (97.85 to 98.85): VV0

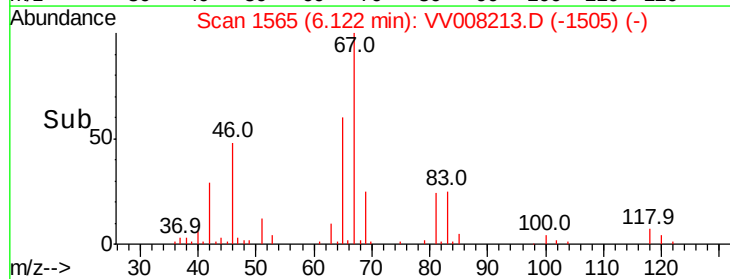
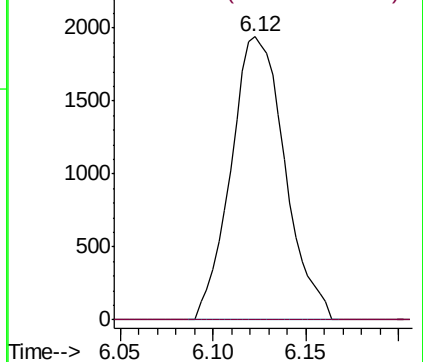


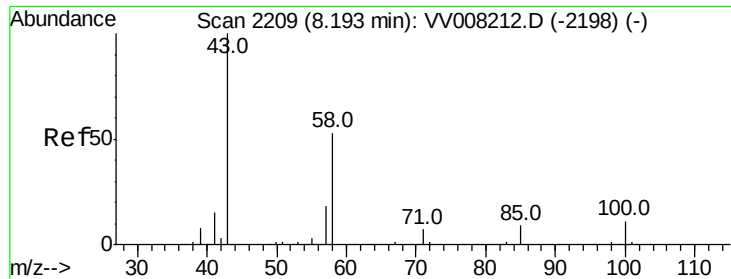
#37  
1,2-Dichloropropane  
Concen: 0.632 ug/L  
RT: 6.12 min Scan# 1565  
Delta R.T. -0.11 min  
Lab File: VV008213.D  
Acq: 09 Oct 2018 21:54

Tgt Ion: 63 Resp: 3941  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VV0  
Ion 112.10 (111.80 to 112.80): V

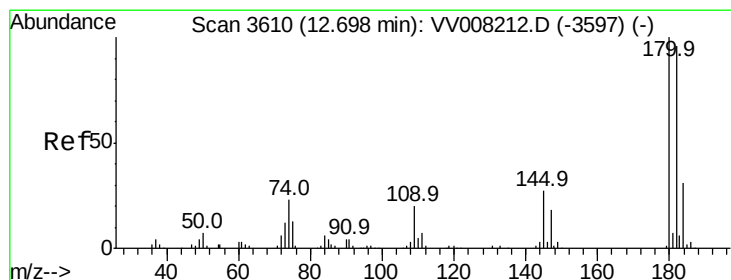
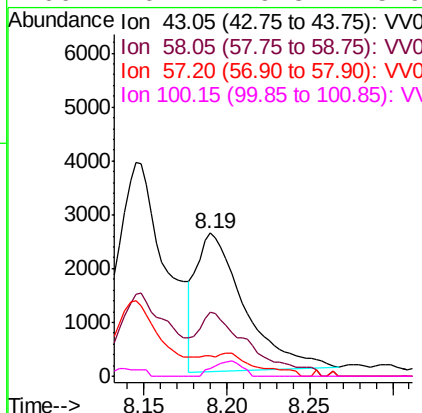
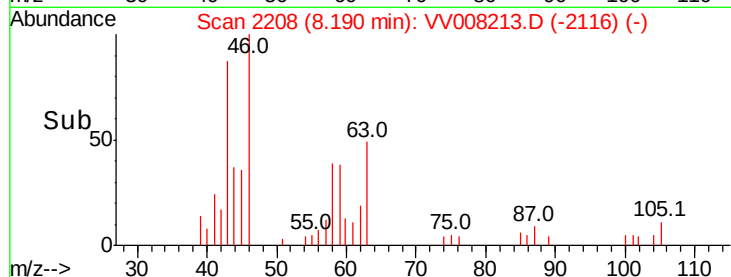
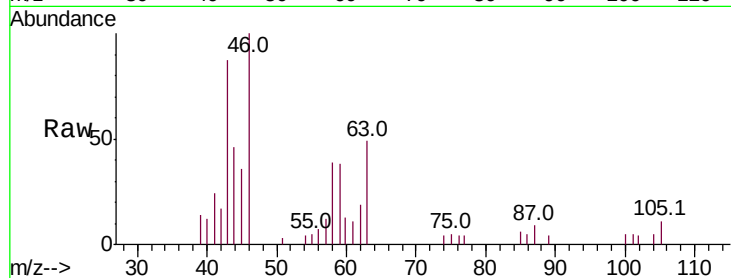




#48  
2-Hexanone  
Concen: 2.159 ug/L  
RT: 8.19 min Scan# 2208  
Delta R.T. -0.00 min  
Lab File: VV008213.D  
Acq: 09 Oct 2018 21:54

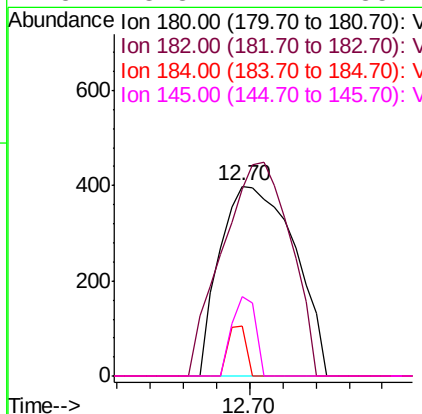
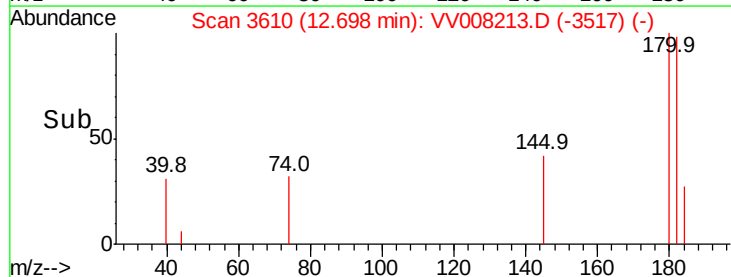
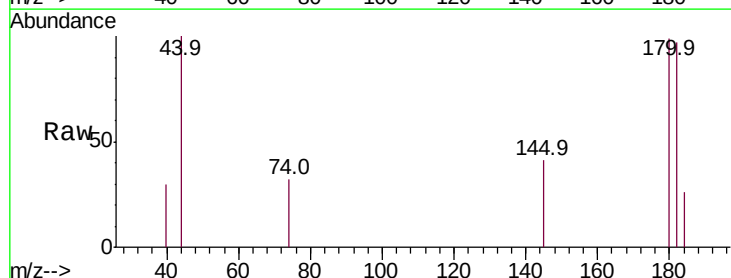
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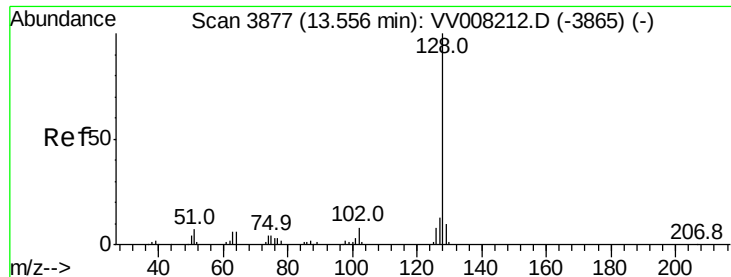
Tot Ion: 43 Resp: 5183  
Ion Ratio Lower Upper  
43 100  
58 49.9 40.5 60.7  
57 12.6 14.6 22.0#  
100 6.7 9.3 13.9#



#67  
1,3,5-Trichlorobenzene  
Concen: 0.058 ug/L  
RT: 12.70 min Scan# 3610  
Delta R.T. -0.00 min  
Lab File: VV008213.D  
Acq: 09 Oct 2018 21:54

Tgt Ion: 180 Resp: 625  
Ion Ratio Lower Upper  
180 100  
182 102.4 77.0 115.6  
184 6.4 24.2 36.2#  
145 13.3 22.2 33.2#

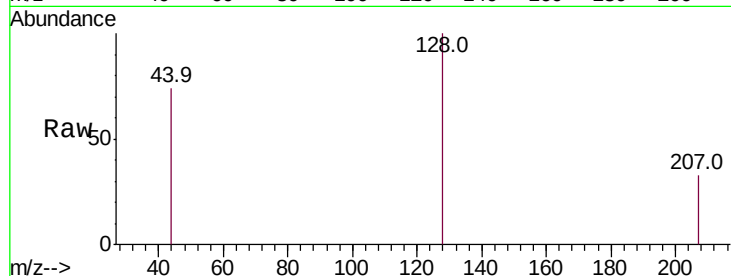




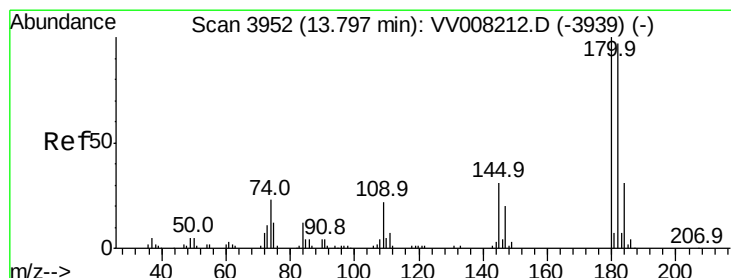
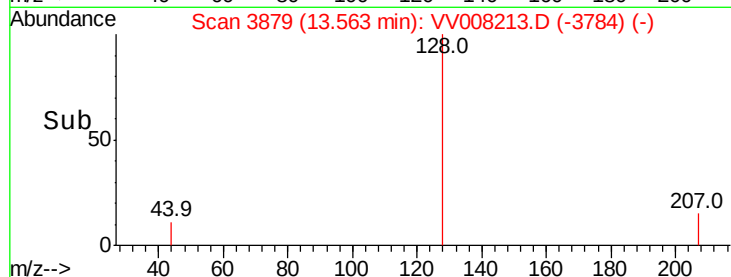
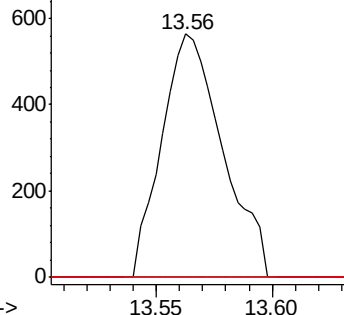
#69  
Naphthalene  
Concen: 0.100 ug/L  
RT: 13.56 min Scan# 3879  
Delta R.T. 0.01 min  
Lab File: VV008213.D  
Acq: 09 Oct 2018 21:54

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK64

Tot Ion:128 Resp: 1032  
Ion Ratio Lower Upper  
128 100  
129 0.0 8.5 12.7#  
127 0.0 10.2 15.2#

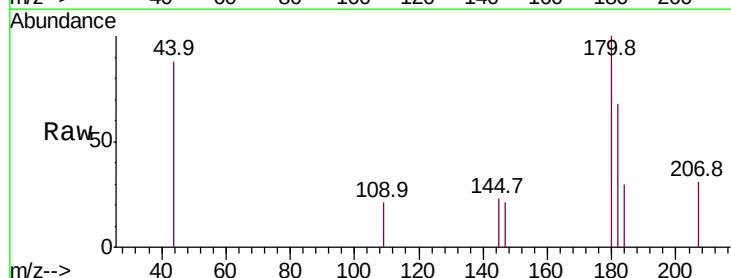


Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 129.00 (128.70 to 129.70): V  
Ion 127.00 (126.70 to 127.70): V



#70  
1,2,3-Trichlorobenzene  
Concen: 0.088 ug/L  
RT: 13.81 min Scan# 3955  
Delta R.T. 0.01 min  
Lab File: VV008213.D  
Acq: 09 Oct 2018 21:54

Tgt Ion:180 Resp: 676  
Ion Ratio Lower Upper  
180 100  
182 0.0 75.1 112.7#  
145 9.9 23.2 34.8#



Abundance Ion 179.90 (179.60 to 180.60): V  
Ion 181.90 (181.60 to 182.60): V  
Ion 144.95 (144.65 to 145.65): V

