

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041420\  
 Data File : VV015465.D  
 Acq On : 14 Apr 2020 16:52  
 Operator : SY/MD  
 Sample : L2273-07  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YAQ85

Quant Time: Apr 15 02:22:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR040920WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Apr 15 02:17:02 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 114209   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 108562   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 53842    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 32615    | 5.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 110.00% |
| 7) Chloroethane-d5             | 1.58   | 69    | 28594    | 5.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 104.80% |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 45122    | 3.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 72.40%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 81613    | 49.05    | ug/L | 0.01    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 98.10%  |
| 24) Chloroform-d               | 4.38   | 84    | 65060    | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 33435    | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.60%  |
| 32) Benzene-d6                 | 5.08   | 84    | 122241   | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.60% |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 37238    | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.20%  |
| 41) Toluene-d8                 | 7.34   | 98    | 116065   | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.00% |
| 43) trans-1,3-Dichloropropene- | 7.65   | 79    | 15258    | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.60%  |
| 46) 2-Hexanone-d5              | 8.11   | 63    | 64580    | 41.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 82.10%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 26945    | 4.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 90.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 43351    | 5.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.40% |

## Target Compounds

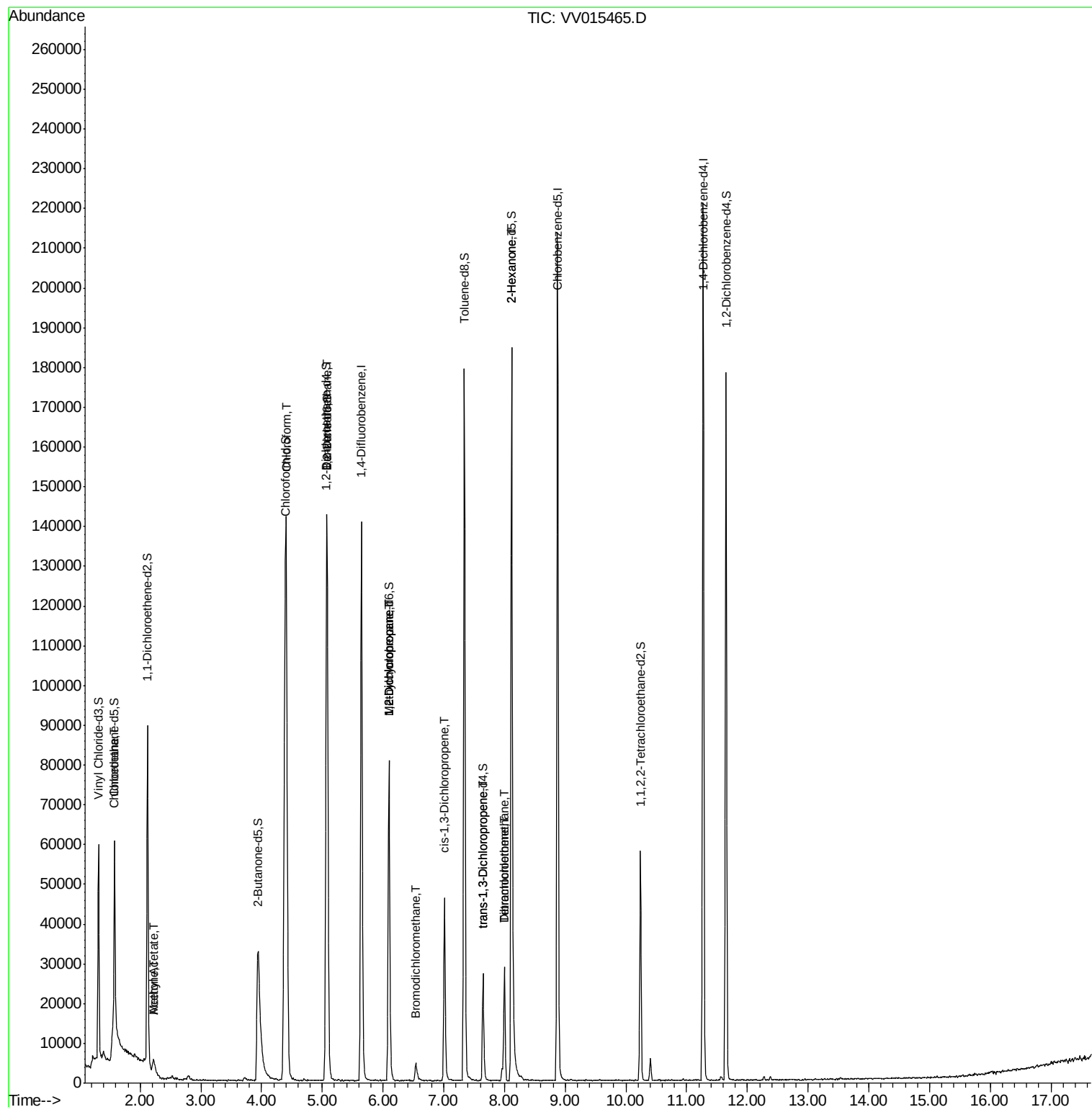
| Target Compounds              | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------------|------|------|----------|-------|--------|--------|
| 8) Chloroethane               | 1.57 | 64   | 20172    | 3.355 | ug/L # | 55     |
| 13) Acetone                   | 2.22 | 43   | 8995     | 7.652 | ug/L # | 43     |
| 15) Methyl Acetate            | 2.22 | 43   | 8363     | 2.404 | ug/L # | 57     |
| 25) Chloroform                | 4.41 | 83   | 115181   | 7.390 | ug/L   | 100    |
| 27) 1,2-Dichloroethane        | 5.08 | 62   | 726      | 0.072 | ug/L # | 77     |
| 35) Methylcyclohexane         | 6.10 | 83   | 9265     | 0.629 | ug/L # | 15     |
| 37) 1,2-Dichloropropane       | 6.10 | 63   | 4372     | 0.543 | ug/L # | 86     |
| 38) Bromodichloromethane      | 6.54 | 83   | 2955     | 0.275 | ug/L # | 92     |
| 39) cis-1,3-Dichloropropene   | 7.01 | 75   | 1183     | 0.096 | ug/L # | 78     |
| 44) trans-1,3-Dichloropropene | 7.64 | 75   | 787      | 0.075 | ug/L # | 73     |
| 47) Tetrachloroethene         | 8.00 | 164  | 6408     | 0.989 | ug/L   | 86     |
| 48) 2-Hexanone                | 8.12 | 43   | 10235    | 2.768 | ug/L # | 79     |
| 49) Dibromochloromethane      | 8.00 | 129  | 6166     | 0.950 | ug/L # | 10     |

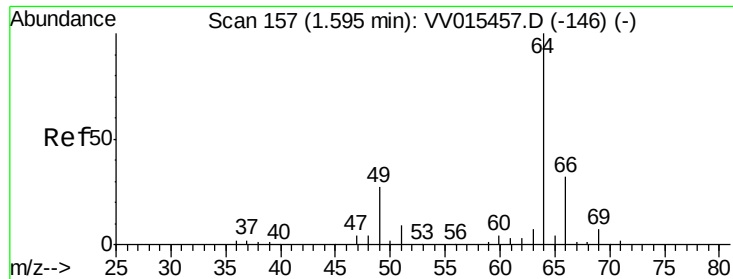
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041420\  
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Sample : L2273-07  
Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
YAQ85

Quant Time: Apr 15 02:22:42 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR040920WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Apr 15 02:17:02 2020  
Response via : Initial Calibration





#8

Chloroethane

Concen: 3.355 ug/L

RT: 1.57 min Scan# 148

Delta R.T. -0.03 min

Lab File: VV015465.D

Acq: 14 Apr 2020 16:52

Instrument :

MSVOA\_V

ClientSampled :

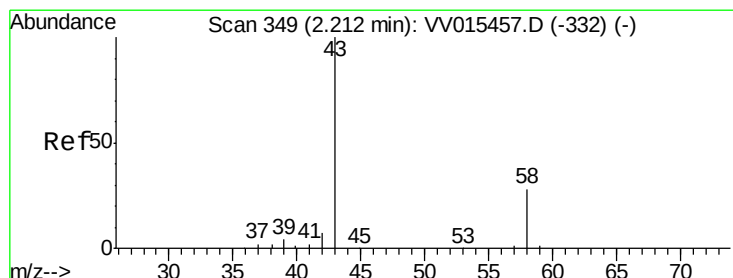
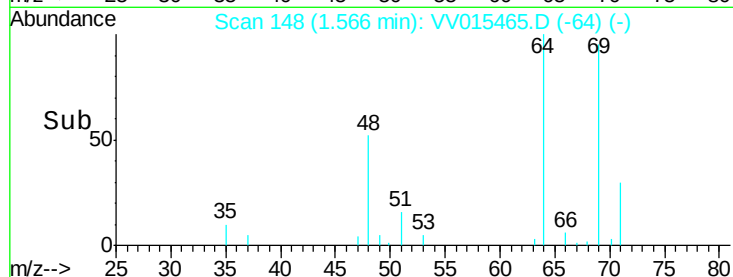
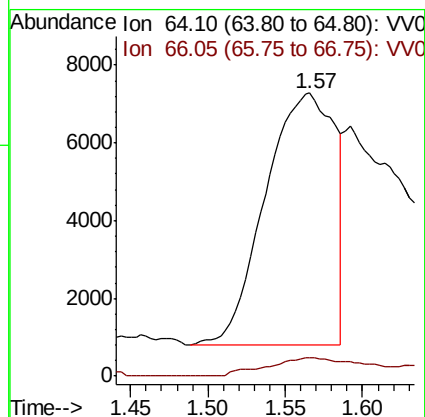
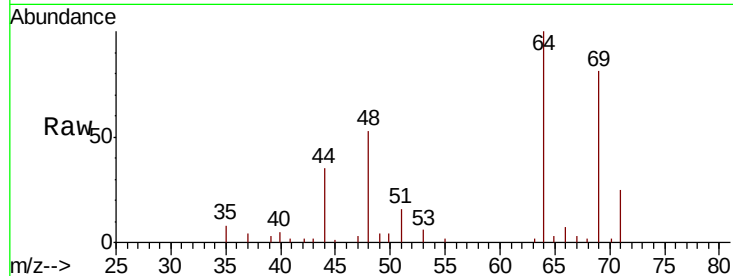
YAQ85

Tot Ion: 64 Resp: 20172

Ion Ratio Lower Upper

64 100

66 6.7 22.3 41.5#



#13

Acetone

Concen: 7.652 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.01 min

Lab File: VV015465.D

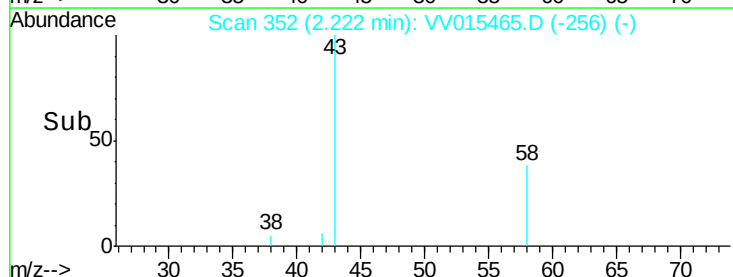
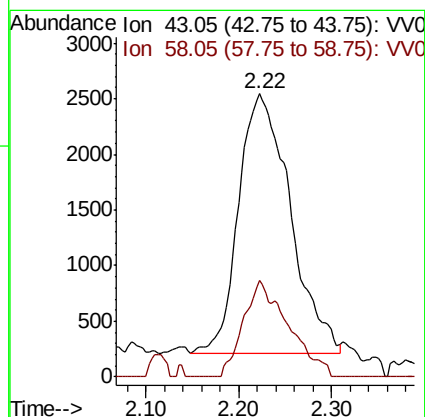
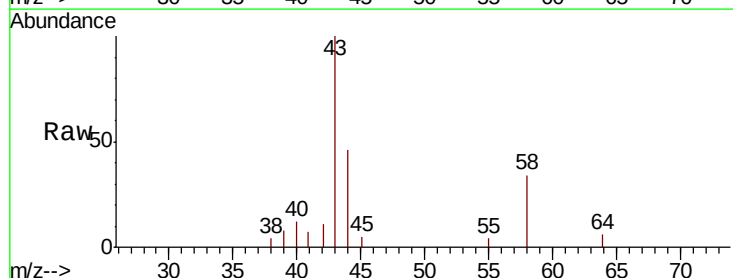
Acq: 14 Apr 2020 16:52

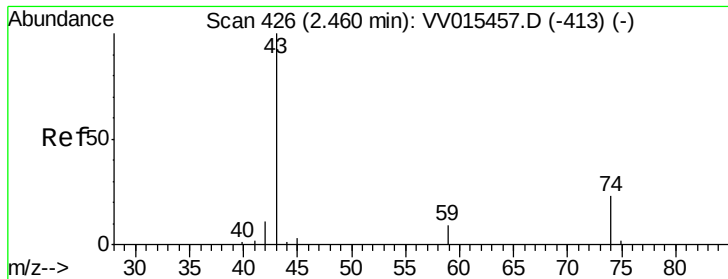
Tgt Ion: 43 Resp: 8995

Ion Ratio Lower Upper

43 100

58 32.6 0.0 22.2#

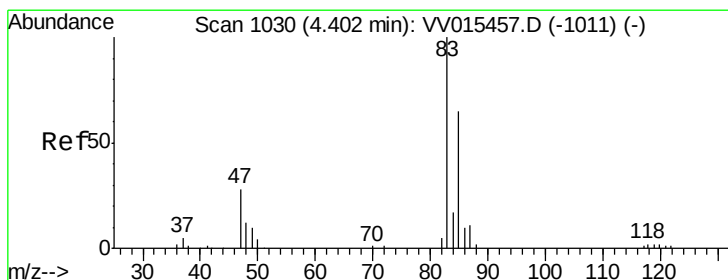
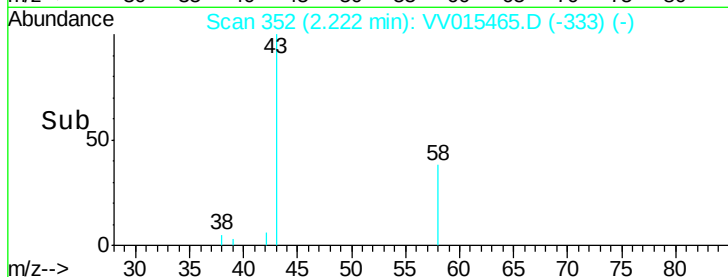
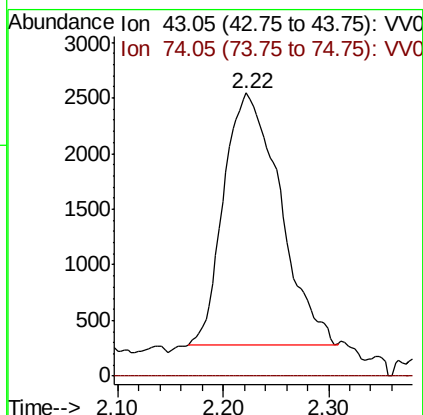
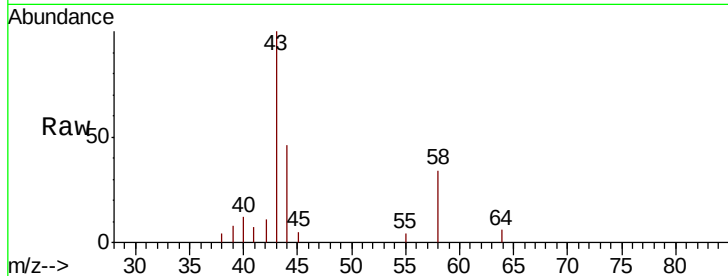




#15  
Methvl Acetate  
Concen: 2.404 ug/L  
RT: 2.22 min Scan# 352  
Delta R.T. -0.24 min  
Lab File: VV015465.D  
Acq: 14 Apr 2020 16:52

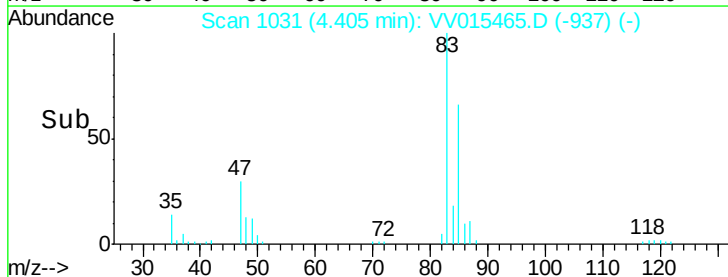
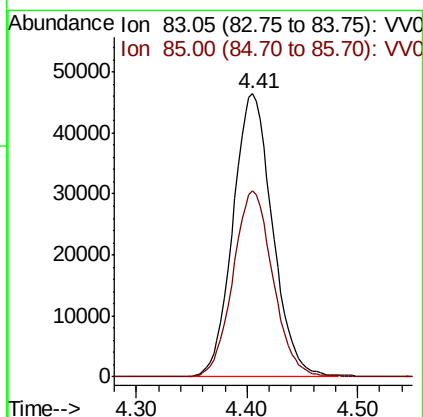
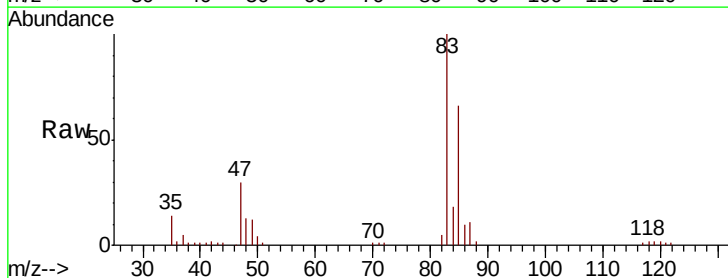
Instrument :  
MSVOA\_V  
ClientSampleId :  
YAQ85

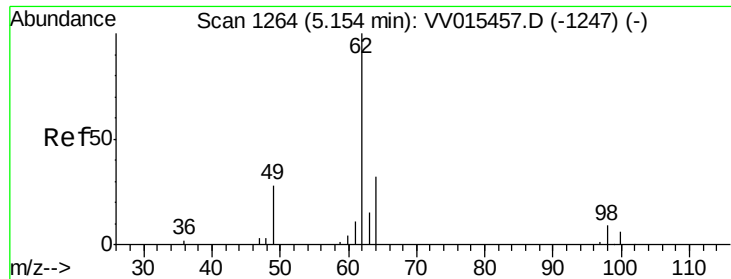
Tot Ion: 43 Resp: 8363  
Ion Ratio Lower Upper  
43 100  
74 0.0 15.4 23.2#



#25  
Chloroform  
Concen: 7.390 ug/L  
RT: 4.41 min Scan# 1031  
Delta R.T. 0.00 min  
Lab File: VV015465.D  
Acq: 14 Apr 2020 16:52

Tgt Ion: 83 Resp: 115181  
Ion Ratio Lower Upper  
83 100  
85 65.9 45.9 85.3

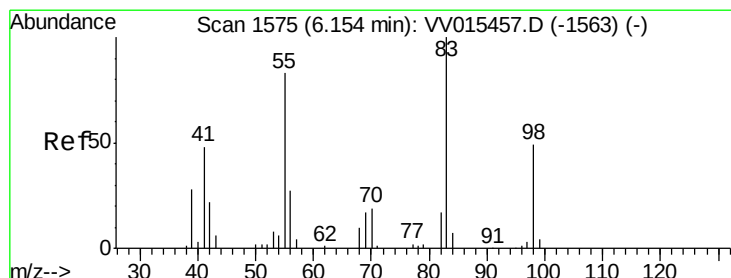
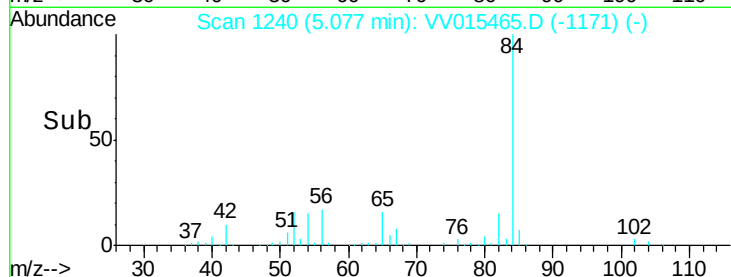
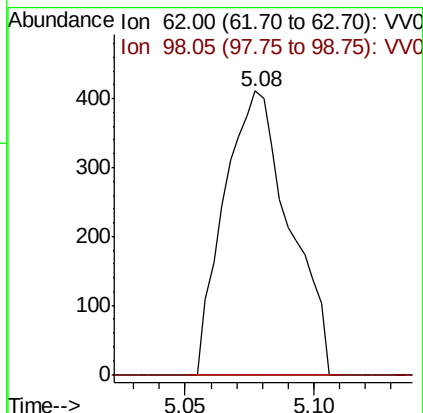
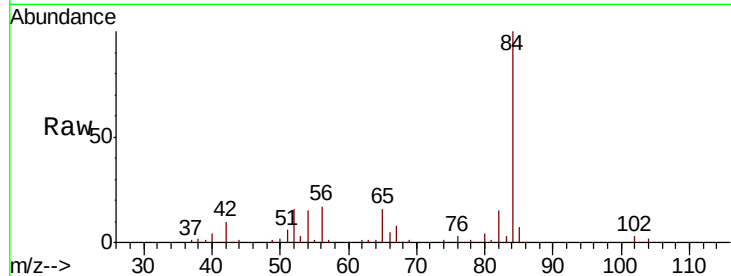




#27  
 1,2-Dichloroethane  
 Concen: 0.072 ug/L  
 RT: 5.08 min Scan# 1240  
 Delta R.T. -0.08 min  
 Lab File: VV015465.D  
 Acq: 14 Apr 2020 16:52

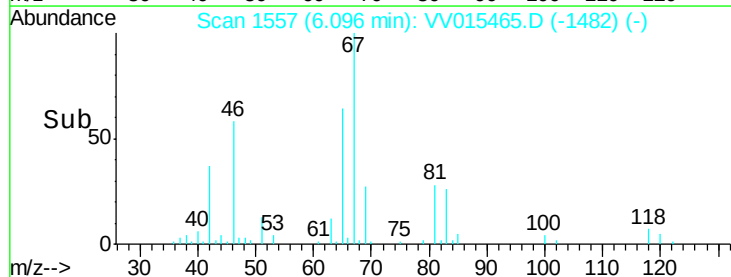
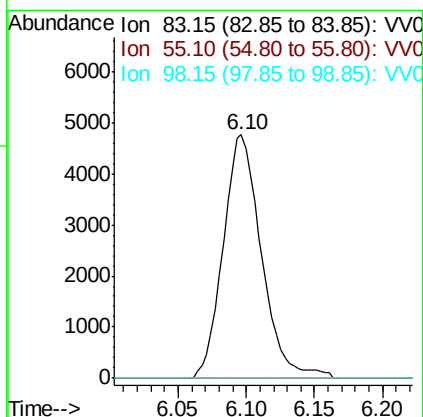
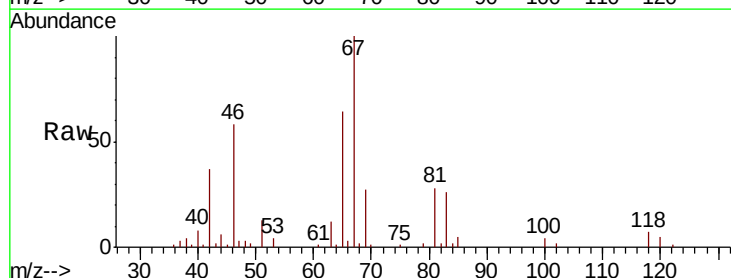
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YAQ85

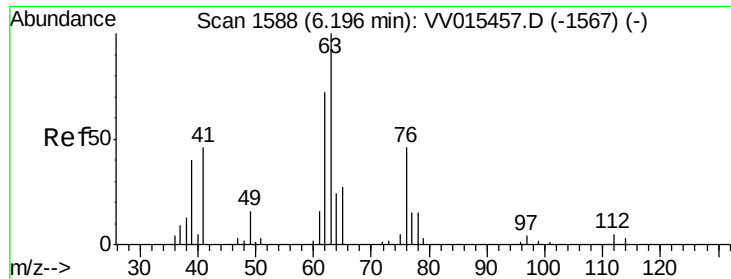
Tot Ion: 62 Resp: 726  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 6.6 10.0#



#35  
 Methylcyclohexane  
 Concen: 0.629 ug/L  
 RT: 6.10 min Scan# 1557  
 Delta R.T. -0.06 min  
 Lab File: VV015465.D  
 Acq: 14 Apr 2020 16:52

Tgt Ion: 83 Resp: 9265  
 Ion Ratio Lower Upper  
 83 100  
 55 0.0 66.6 99.8#  
 98 0.0 38.7 58.1#

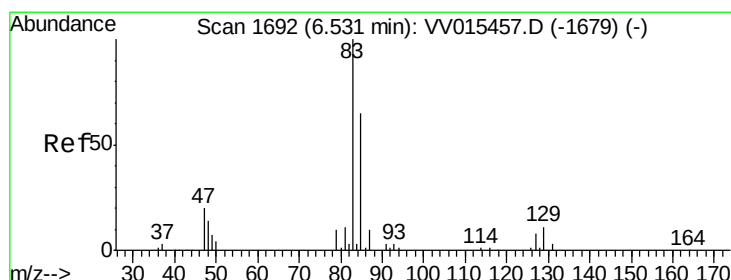
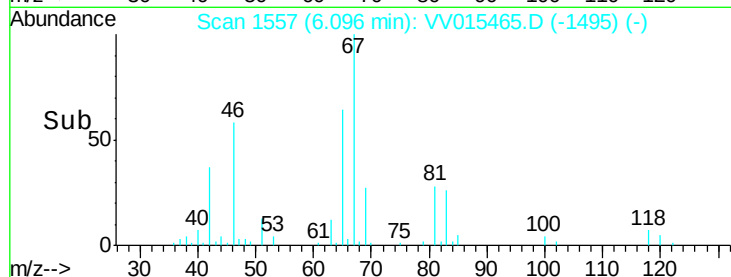
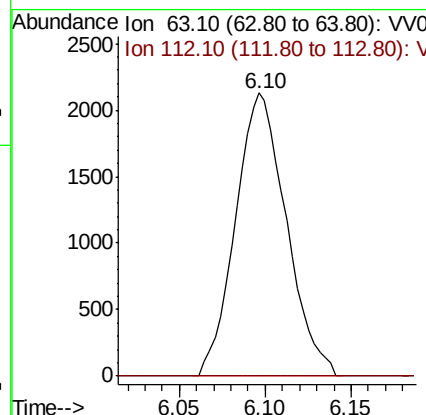
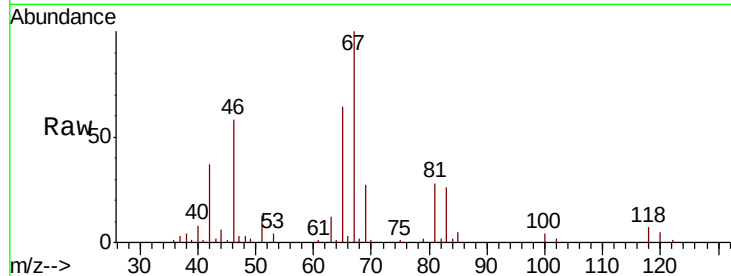




#37  
 1,2-Dichloropropane  
 Concen: 0.543 ug/L  
 RT: 6.10 min Scan# 1557  
 Delta R.T. -0.10 min  
 Lab File: VV015465.D  
 Acq: 14 Apr 2020 16:52

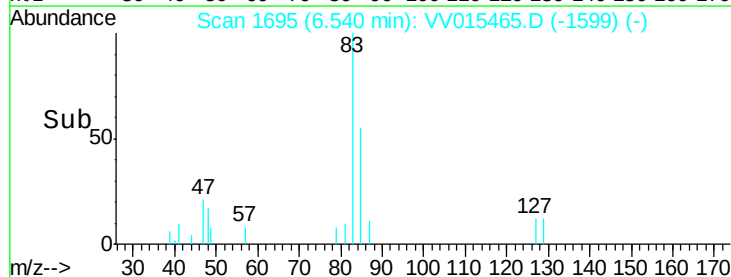
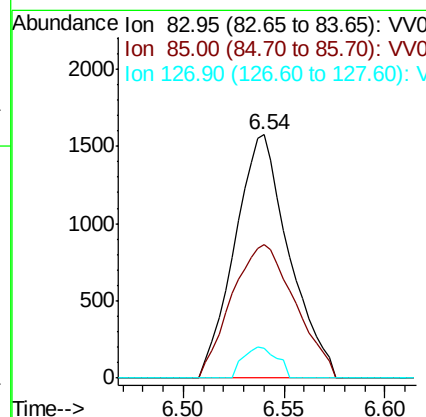
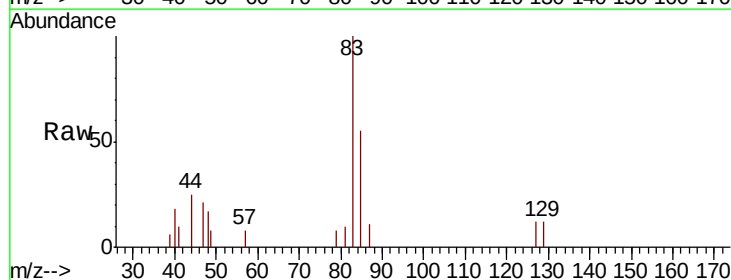
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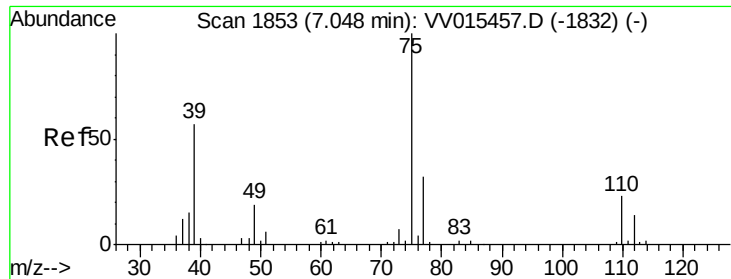
Tot Ion: 63 Resp: 4372  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.6 5.4#



#38  
 Bromodichloromethane  
 Concen: 0.275 ug/L  
 RT: 6.54 min Scan# 1695  
 Delta R.T. 0.01 min  
 Lab File: VV015465.D  
 Acq: 14 Apr 2020 16:52

Tgt Ion: 83 Resp: 2955  
 Ion Ratio Lower Upper  
 83 100  
 85 54.9 42.6 79.2  
 127 12.2 6.6 9.8#

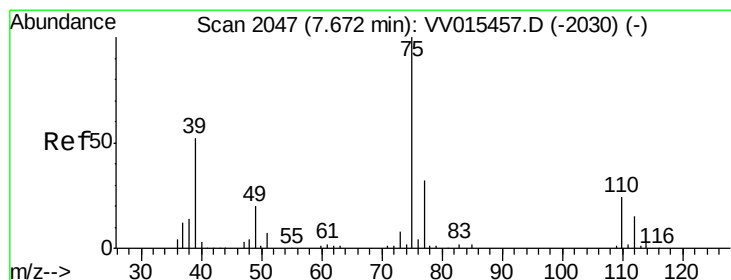
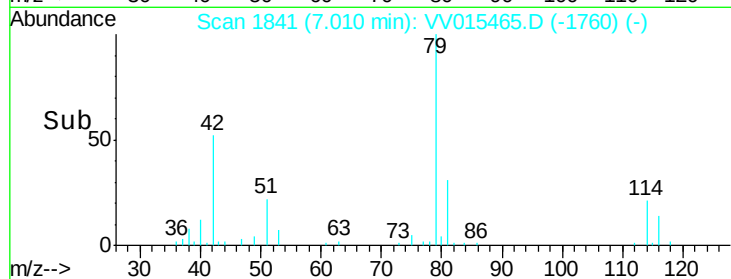
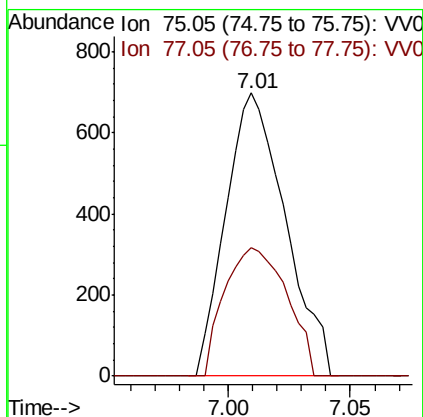
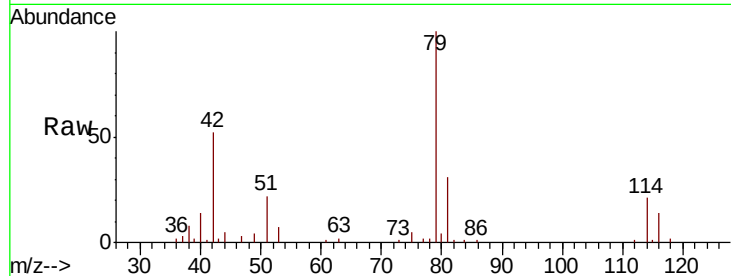




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.096 ug/L  
 RT: 7.01 min Scan# 1841  
 Delta R.T. -0.04 min  
 Lab File: VV015465.D  
 Acq: 14 Apr 2020 16:52

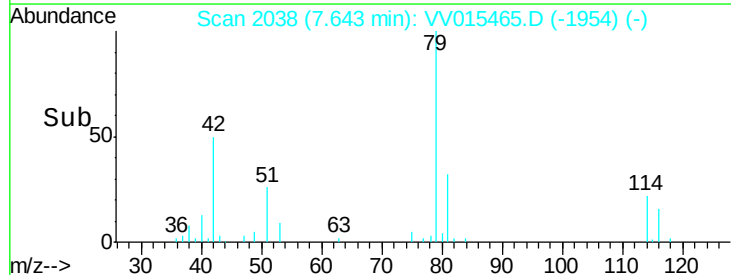
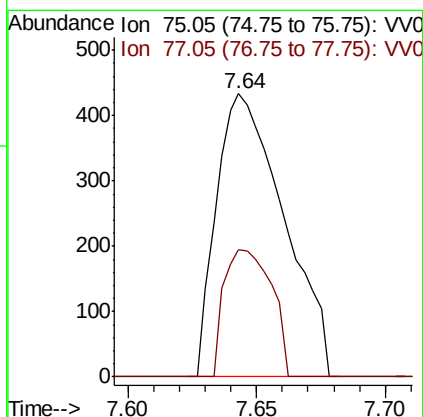
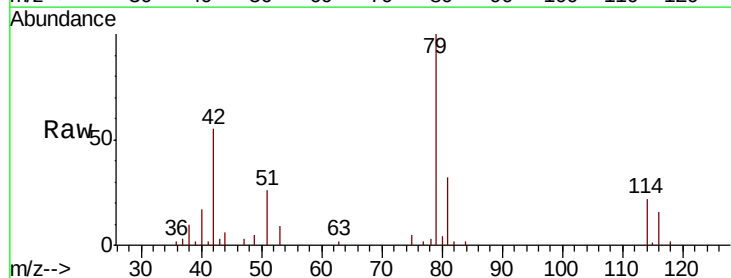
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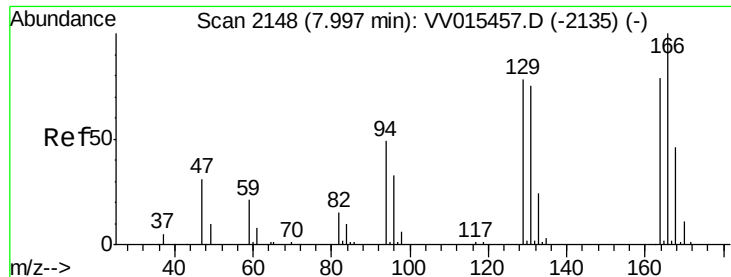
Tot Ion: 75 Resp: 1183  
 Ion Ratio Lower Upper  
 75 100  
 77 45.4 23.0 42.6#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.075 ug/L  
 RT: 7.64 min Scan# 2038  
 Delta R.T. -0.03 min  
 Lab File: VV015465.D  
 Acq: 14 Apr 2020 16:52

Tgt Ion: 75 Resp: 787  
 Ion Ratio Lower Upper  
 75 100  
 77 44.8 21.0 39.0#

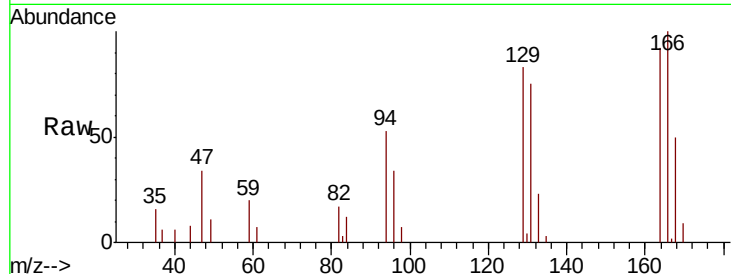




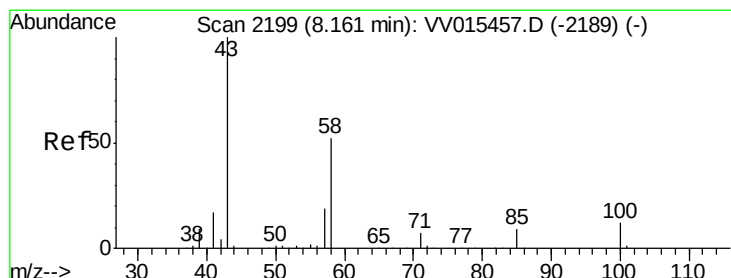
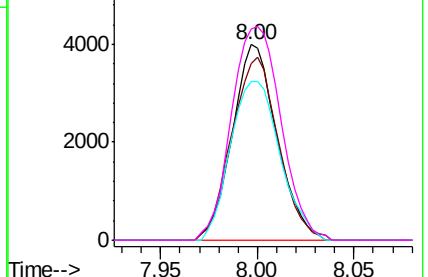
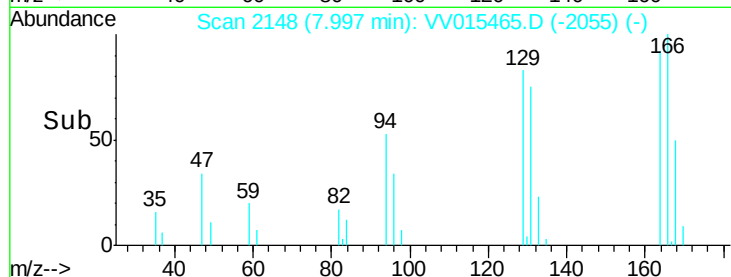
#47  
Tetrachloroethene  
Concen: 0.989 ug/L  
RT: 8.00 min Scan# 2148  
Delta R.T. -0.00 min  
Lab File: VV015465.D  
Acq: 14 Apr 2020 16:52

Instrument :  
MSVOA\_V  
ClientSampleId :  
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Tot Ion:164 Resp: 6408  
Ion Ratio Lower Upper  
164 100  
129 90.3 70.6 131.0  
131 81.3 68.3 126.8  
166 108.3 88.3 163.9

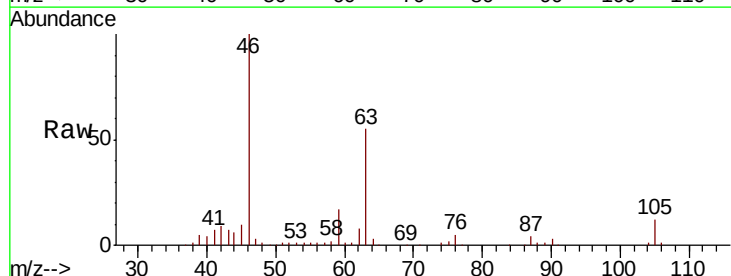


Abundance Ion 163.90 (163.60 to 164.60): V  
Ion 128.95 (128.65 to 129.65): V  
Ion 130.95 (130.65 to 131.65): V  
Ion 165.90 (165.60 to 166.60): V

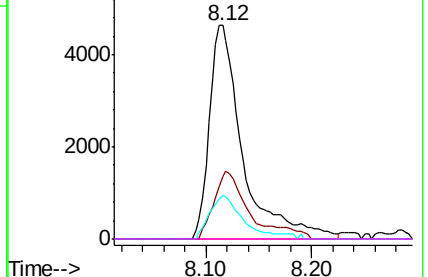
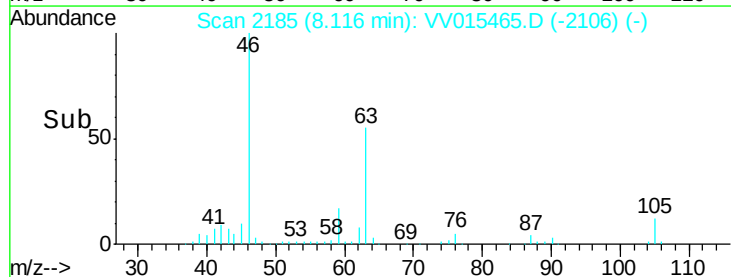


#48  
2-Hexanone  
Concen: 2.768 ug/L  
RT: 8.12 min Scan# 2185  
Delta R.T. -0.05 min  
Lab File: VV015465.D  
Acq: 14 Apr 2020 16:52

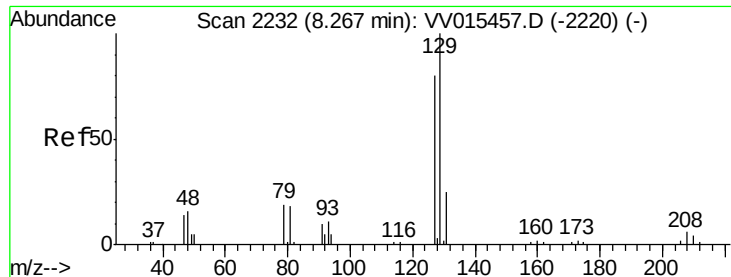
Tgt Ion: 43 Resp: 10235  
Ion Ratio Lower Upper  
43 100  
58 33.4 41.4 62.0#  
57 19.9 15.0 22.4  
100 0.0 9.4 14.2#



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







#49

Dibromochloromethane

Concen: 0.950 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.27 min

Lab File: VV015465.D

Acq: 14 Apr 2020 16:52

Instrument :

MSVOA\_V

ClientSampleId :

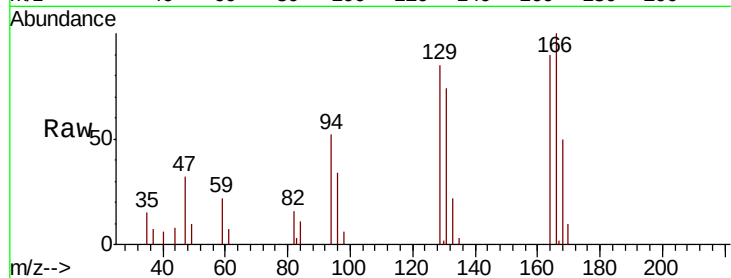
YAQ85

Tot Ion:129 Resp: 6166

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

