

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122220\  
 Data File : VV019794.D  
 Acq On : 22 Dec 2020 14:44  
 Operator : SY/MD  
 Sample : L5173-07  
 Misc : 5.22g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG4R3

Quant Time: Dec 23 01:06:52 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 23 01:05:06 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.62  | 114  | 636208   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.86  | 117  | 610936   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.26 | 152  | 282813   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 299907   | 65.74    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 131.48%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 202621   | 56.31    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 112.62%  |
| 11) 1,1-Dichloroethene-d2      | 2.08    | 63    | 422861   | 49.94    | ug/L | -0.03    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 99.88%   |
| 21) 2-Butanone-d5              | 3.91    | 46    | 400440   | 161.49   | ug/L | 0.03     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 161.49%# |
| 24) Chloroform-d               | 4.35    | 84    | 528865   | 64.32    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 128.64%# |
| 26) 1,2-Dichloroethane-d4      | 5.04    | 65    | 376106   | 70.00    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 140.00%# |
| 32) Benzene-d6                 | 5.05    | 84    | 1094272  | 67.16    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 134.32%# |
| 36) 1,2-Dichloropropane-d6     | 6.07    | 67    | 351165   | 68.80    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 137.60%# |
| 41) Toluene-d8                 | 7.32    | 98    | 966111   | 65.85    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 131.70%# |
| 43) trans-1,3-Dichloropropene- | 7.63    | 79    | 164844   | 56.78    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 113.56%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 267088   | 133.33   | ug/L | 0.04     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 133.33%# |
| 57) 1,1,2,2-Tetrachloroethane- | 10.23   | 84    | 410742   | 59.49    | ug/L | 0.01     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 118.98%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.64   | 152   | 330753   | 62.56    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 125.12%# |

## Target Compounds

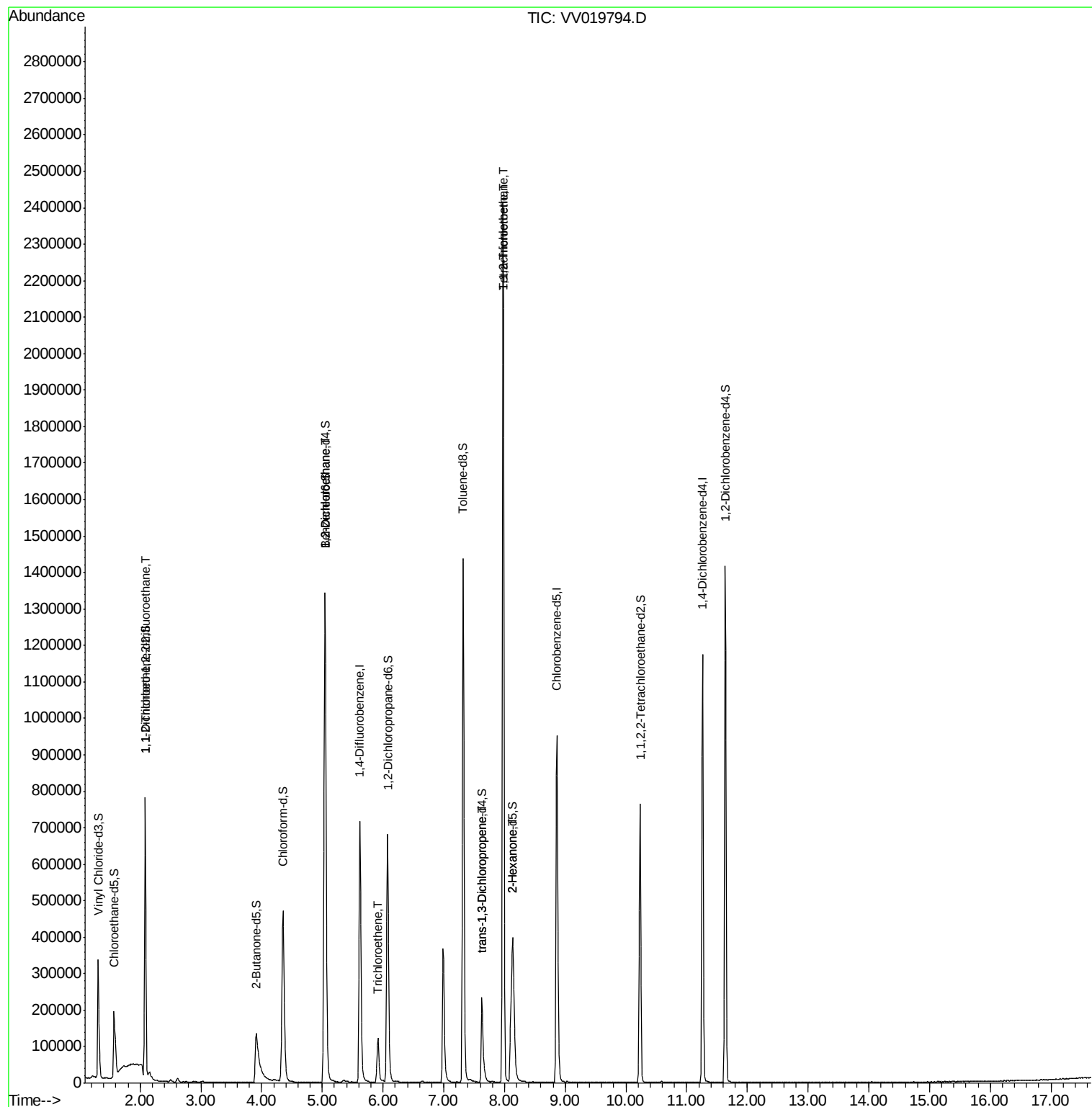
|                                |      |     |        |              | Ovalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.08 | 101 | 3208   | 0.869 ug/L # | 25     |
| 27) 1,2-Dichloroethane         | 5.05 | 62  | 7138   | 1.071 ug/L   | 99     |
| 34) Trichloroethene            | 5.92 | 95  | 38411  | 8.144 ug/L   | 97     |
| 44) trans-1,3-Dichloropropene  | 7.63 | 75  | 7810   | 0.996 ug/L # | 81     |
| 45) 1,1,2-Trichloroethane      | 7.97 | 97  | 5423   | 1.225 ug/L # | 7      |
| 46) Tetrachloroethene          | 7.98 | 164 | 491995 | 150.748 ug/L | 98     |
| 48) 2-Hexanone                 | 8.14 | 43  | 43297  | 8.482 ug/L # | 53     |

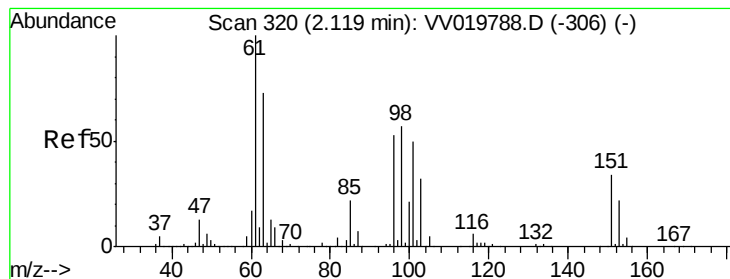
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV122220\  
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Sample : L5173-07  
Misc : 5.22g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG4R3

Quant Time: Dec 23 01:06:52 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Dec 23 01:05:06 2020  
Response via : Initial Calibration





#10

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

Concen: 0.869 ug/L

RT: 2.08 min Scan# 309

Delta R.T. -0.04 min

Lab File: VV019794.D

Acq: 22 Dec 2020 14:44

Instrument :

MSVOA\_V

ClientSampleId :

BG4R3

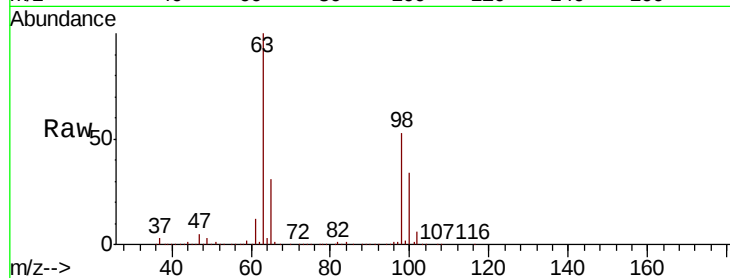
Tot Ion:101 Resp: 3208

Ion Ratio Lower Upper

101 100

85 1.4 35.0 52.4#

151 3.2 55.8 83.8#

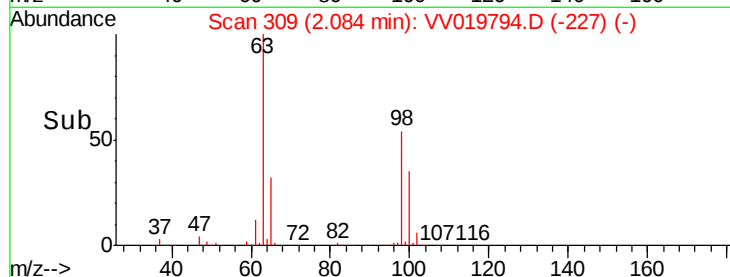


Abundance Ion 101.00 (100.70 to 101.70): VV019788.D (-306) (-)

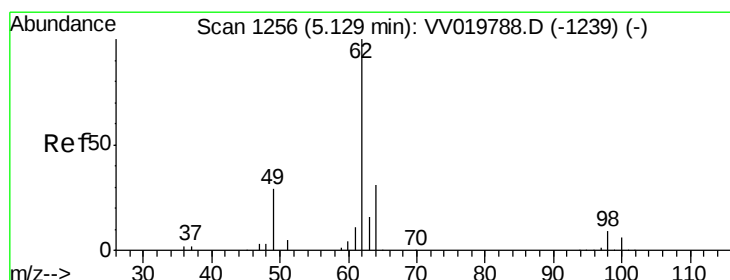
Ion 85.00 (84.70 to 85.70): VV019788.D (-306) (-)

Ion 151.00 (150.70 to 151.70): VV019788.D (-306) (-)

Time-->



Time-->



#27

1,2-Dichloroethane

Concen: 1.071 ug/L

RT: 5.05 min Scan# 1230

Delta R.T. -0.08 min

Lab File: VV019794.D

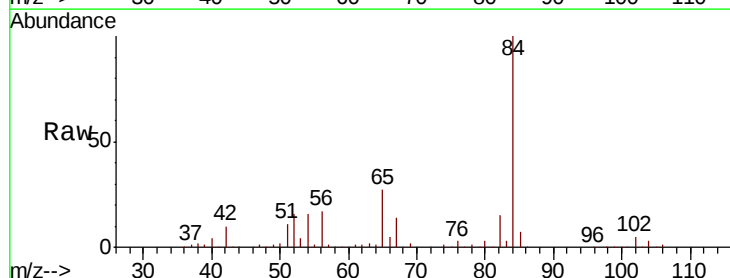
Acq: 22 Dec 2020 14:44

Tgt Ion: 62 Resp: 7138

Ion Ratio Lower Upper

62 100

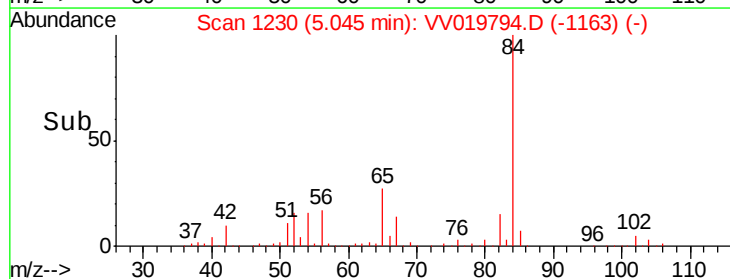
98 9.4 7.4 11.0



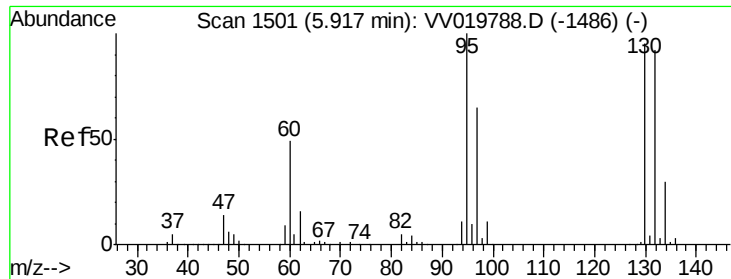
Abundance Ion 62.00 (61.70 to 62.70): VV019788.D (-1239) (-)

Ion 98.00 (97.70 to 98.70): VV019788.D (-1239) (-)

Time-->



Time-->



#34

Trichloroethene

Concen: 8.144 ug/L

RT: 5.92 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VV019794.D

Acq: 22 Dec 2020 14:44

Instrument :

MSVOA\_V

ClientSampled :

BG4R3

Tot Ion: 95 Resp: 38411

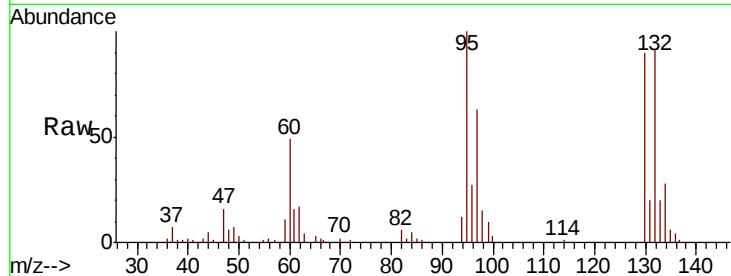
Ion Ratio Lower Upper

95 100

97 62.5 44.4 82.4

132 91.2 64.3 119.3

130 89.6 67.8 125.8

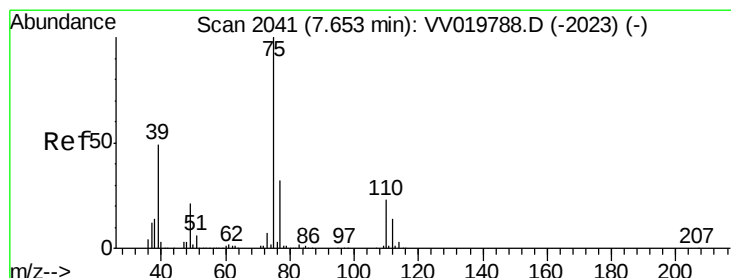
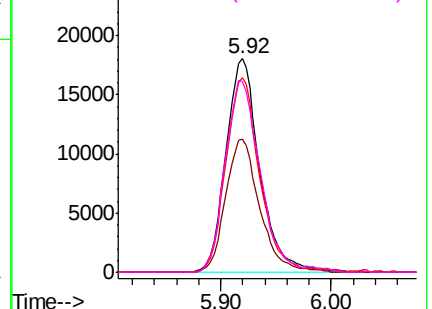
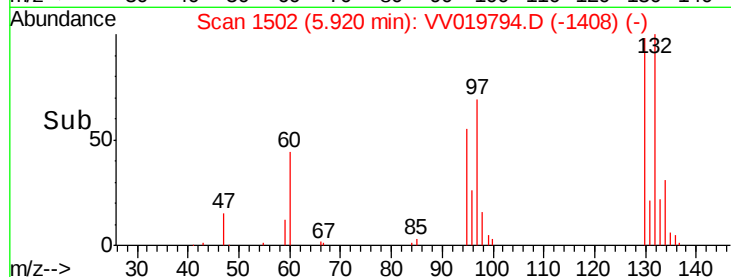


Abundance Ion 95.00 (94.70 to 95.70): VV019788.D (-1486) (-)

Ion 97.00 (96.70 to 97.70): VV019788.D (-1486) (-)

Ion 132.00 (131.70 to 132.70): VV019788.D (-1486) (-)

Ion 130.00 (129.70 to 130.70): VV019788.D (-1486) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.996 ug/L

RT: 7.63 min Scan# 2033

Delta R.T. -0.03 min

Lab File: VV019794.D

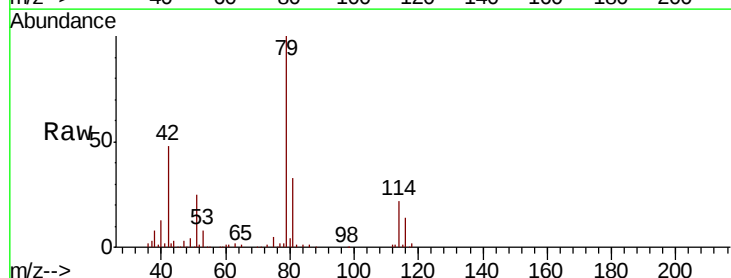
Acq: 22 Dec 2020 14:44

Tgt Ion: 75 Resp: 7810

Ion Ratio Lower Upper

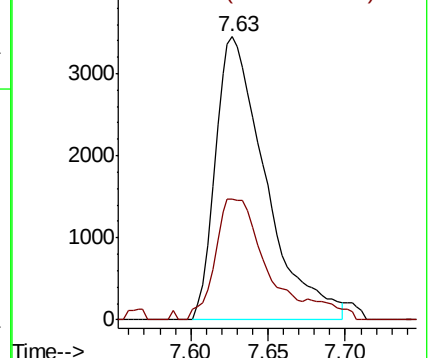
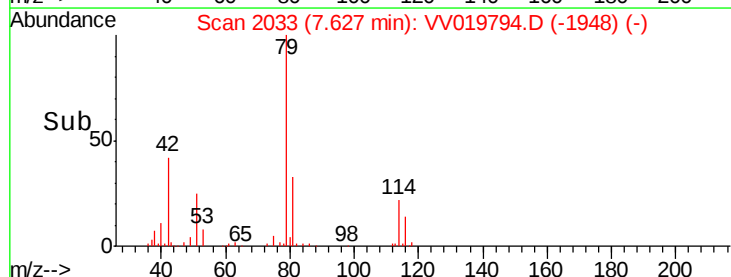
75 100

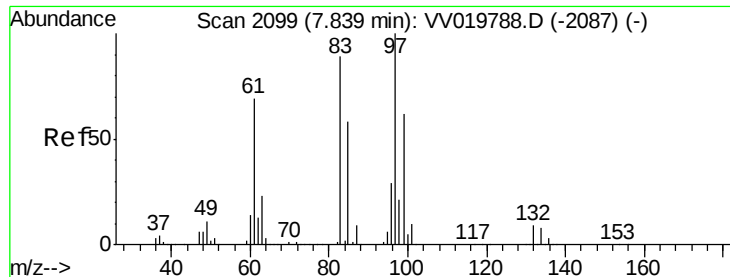
77 42.7 22.5 41.9#



Abundance Ion 75.00 (74.70 to 75.70): VV019788.D (-2023) (-)

Ion 77.00 (76.70 to 77.70): VV019788.D (-2023) (-)





#45

1,1,2-Trichloroethane

Concen: 1.225 ug/L

RT: 7.97 min Scan# 2141

Delta R.T. 0.13 min

Lab File: VV019794.D

Acq: 22 Dec 2020 14:44

Instrument :

MSVOA\_V

ClientSampleId :

BG4R3

Tot Ion: 97 Resp: 5423

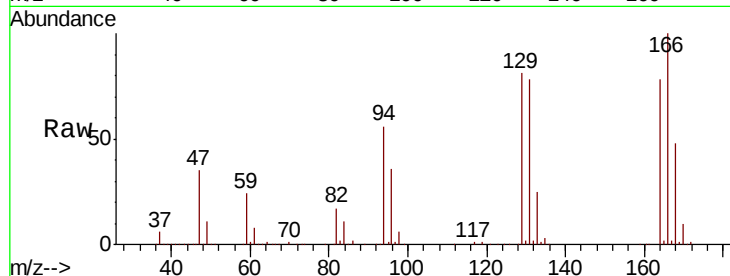
Ion Ratio Lower Upper

97 100

99 17.5 44.1 81.9#

83 229.0 60.0 111.4#

85 29.6 38.6 71.8#



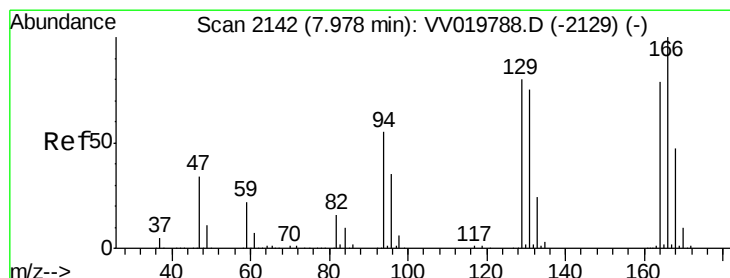
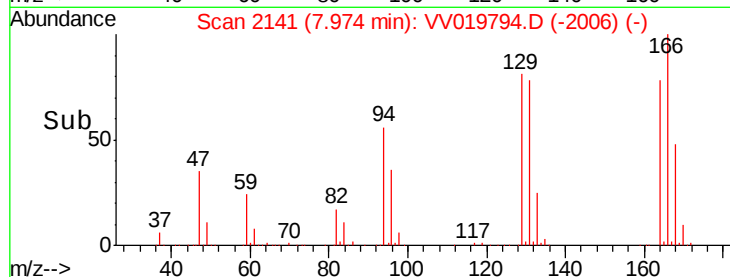
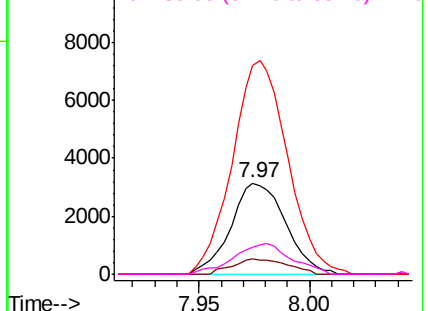
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 150.748 ug/L

RT: 7.98 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VV019794.D

Acq: 22 Dec 2020 14:44

Tgt Ion: 164 Resp: 491995

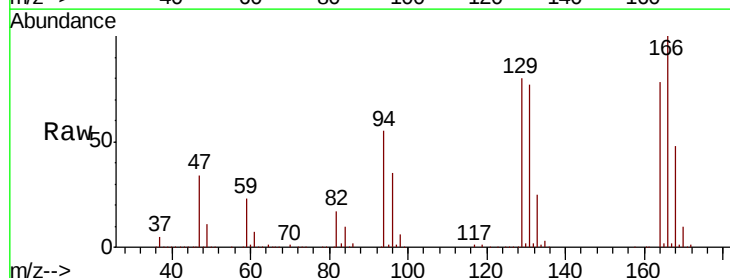
Ion Ratio Lower Upper

164 100

129 102.1 70.6 131.0

131 98.2 68.0 126.4

166 127.8 86.9 161.5



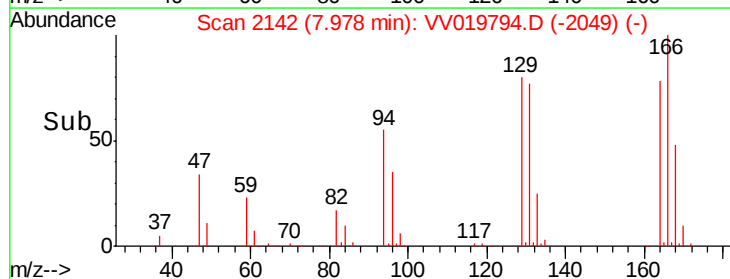
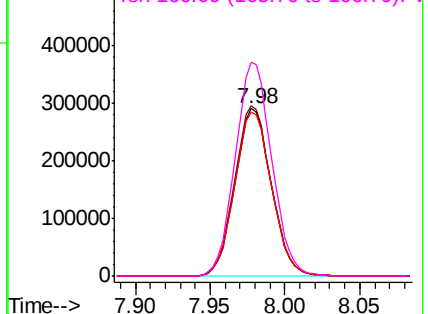
Abundance

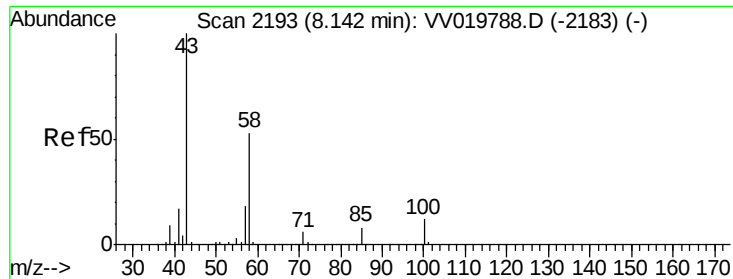
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 8.482 ug/L

RT: 8.14 min Scan# 2191

Delta R.T. -0.01 min

Lab File: VV019794.D

Acq: 22 Dec 2020 14:44

Instrument :

MSVOA\_V

ClientSampleId :

BG4R3

Tot Ion: 43 Resp: 43297

Ion Ratio Lower Upper

43 100

58 6.6 44.4 66.6#

57 20.2 15.7 23.5

100 0.1 9.9 14.9#

