

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071420\  
 Data File : VV017493.D  
 Acq On : 14 Jul 2020 19:15  
 Operator : SY/MD  
 Sample : L3281-11  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAXX1

Quant Time: Jul 15 03:08:22 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR071420WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jul 15 02:49:58 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 136788   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 133270   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 64636    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 35793    | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 90.00%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 30218    | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 95.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 59105    | 3.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.00%  |
| 20) 2-Butanone-d5              | 3.93   | 46    | 84446    | 51.72    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 103.44% |
| 24) Chloroform-d               | 4.38   | 84    | 79212    | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 46104    | 4.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.20%  |
| 32) Benzene-d6                 | 5.08   | 84    | 145259   | 4.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.09   | 67    | 40807    | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 95.60%  |
| 41) Toluene-d8                 | 7.34   | 98    | 131622   | 4.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.60%  |
| 45) trans-1,3-Dichloropropene- | 7.64   | 79    | 17968    | 4.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 86.60%  |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 59621    | 48.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 96.36%  |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 28569    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.40%  |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 55912    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.20% |

## Target Compounds

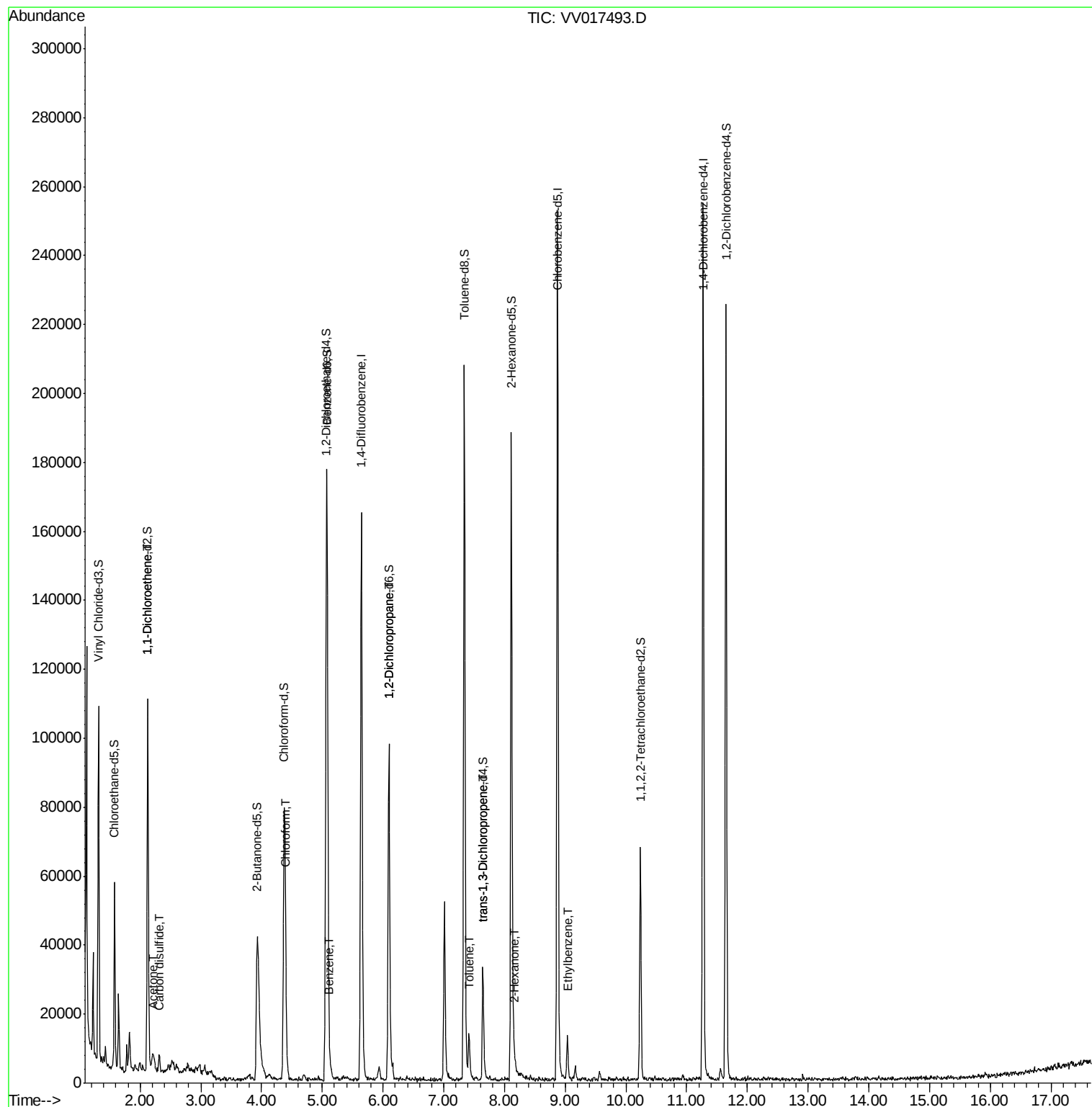
| Target Compounds              | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------------|------|------|----------|-------|--------|--------|
| 12) 1,1-Dichloroethene        | 2.13 | 96   | 728      | 0.088 | ug/L # | 1      |
| 13) Acetone                   | 2.21 | 43   | 7374     | 6.221 | ug/L   | 66     |
| 14) Carbon disulfide          | 2.31 | 76   | 4761     | 0.187 | ug/L   | 96     |
| 25) Chloroform                | 4.41 | 83   | 4198     | 0.228 | ug/L   | 94     |
| 33) Benzene                   | 5.13 | 78   | 2478     | 0.070 | ug/L   | 100    |
| 37) 1,2-Dichloropropane       | 6.10 | 63   | 5581     | 0.680 | ug/L # | 86     |
| 42) Toluene                   | 7.41 | 91   | 9791     | 0.250 | ug/L   | 95     |
| 46) trans-1,3-Dichloropropene | 7.64 | 75   | 828      | 0.071 | ug/L # | 70     |
| 50) 2-Hexanone                | 8.17 | 43   | 1375     | 0.431 | ug/L # | 69     |
| 54) Ethylbenzene              | 9.04 | 91   | 7723     | 0.172 | ug/L   | 98     |

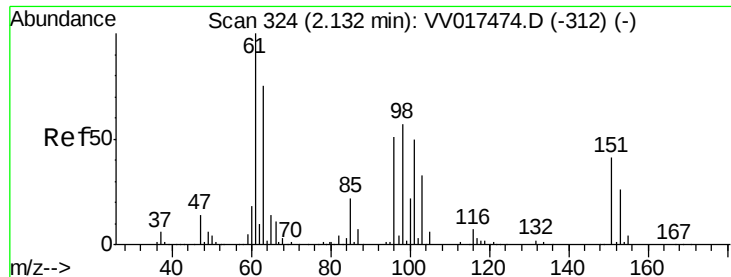
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 15 03:08:22 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR071420WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Jul 15 02:49:58 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.088 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017493.D

Acq: 14 Jul 2020 19:15

Instrument :

MSVOA\_V

ClientSampled :

GAXX1

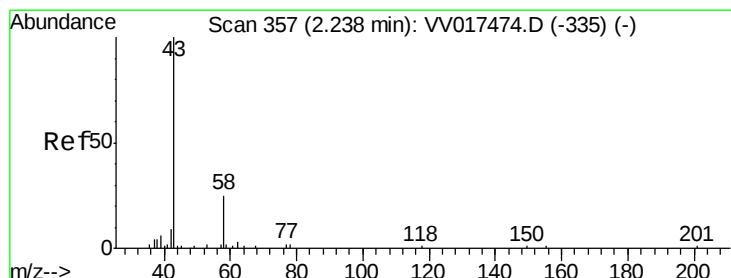
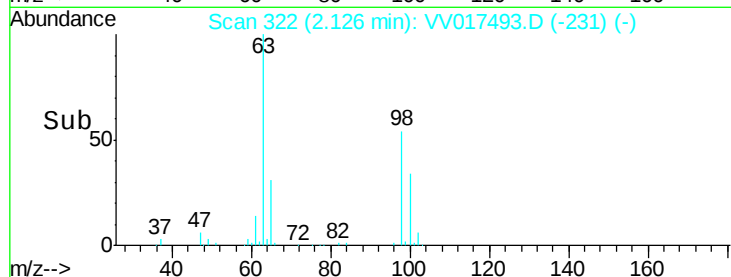
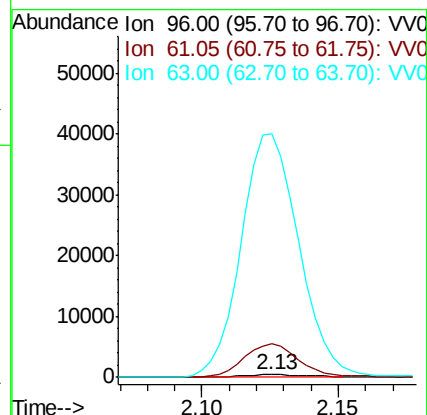
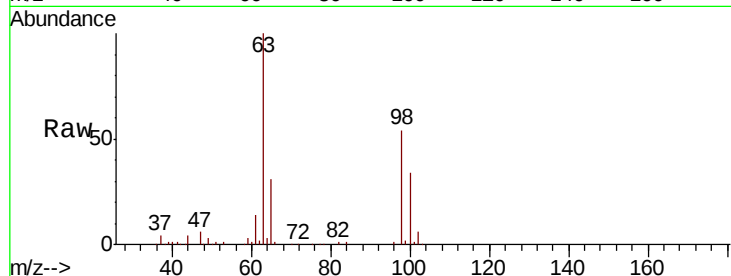
Tot Ion: 96 Resp: 728

Ion Ratio Lower Upper

96 100

61 1269.2 137.2 254.8#

63 9141.6 103.6 192.4#



#13

Acetone

Concen: 6.221 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.03 min

Lab File: VV017493.D

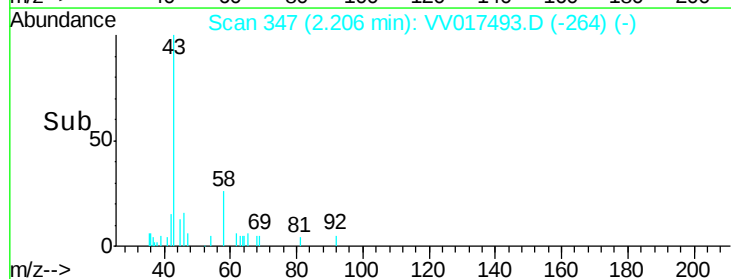
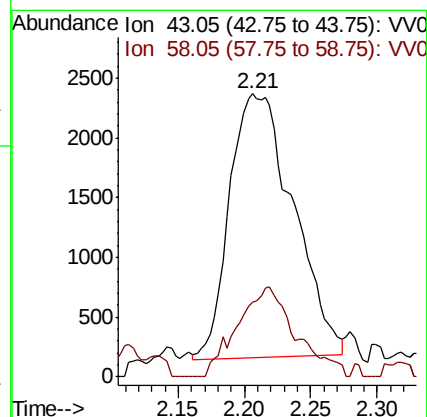
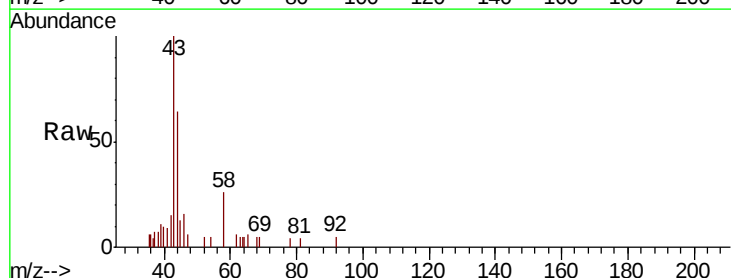
Acq: 14 Jul 2020 19:15

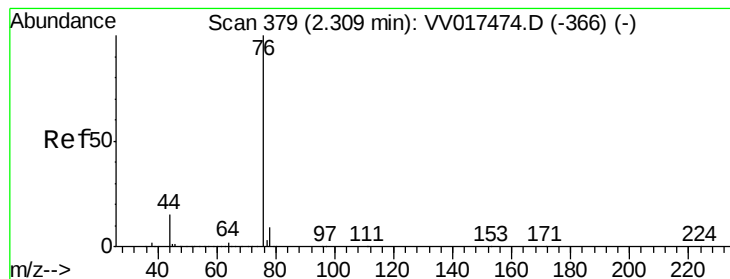
Tgt Ion: 43 Resp: 7374

Ion Ratio Lower Upper

43 100

58 31.3 0.0 33.6





#14

Carbon disulfide

Concen: 0.187 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017493.D

Acq: 14 Jul 2020 19:15

Instrument :

MSVOA\_V

ClientSampleId :

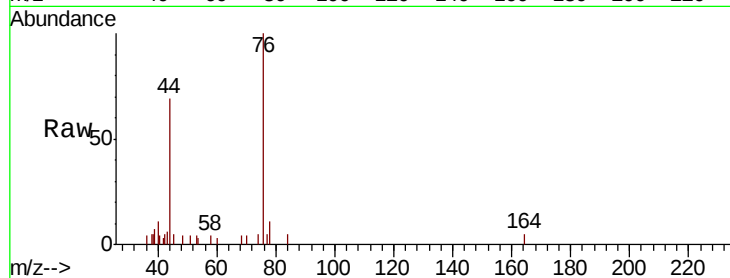
GAXX1

Tot Ion: 76 Resp: 4761

Ion Ratio Lower Upper

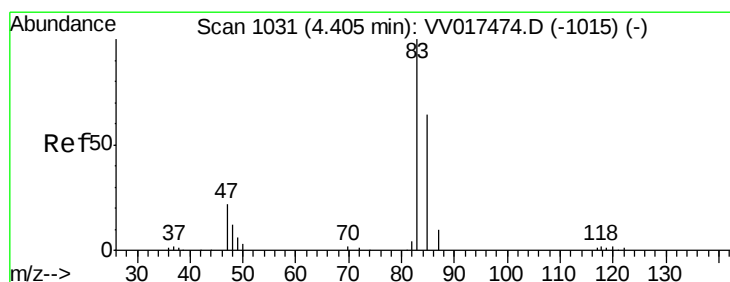
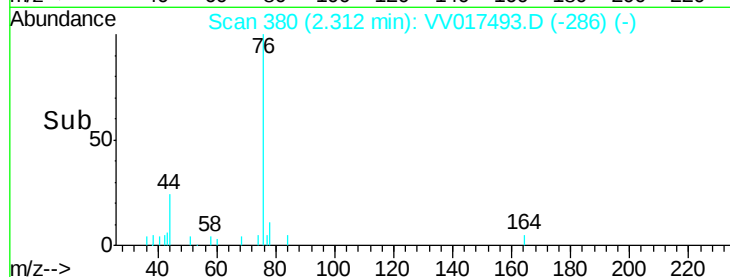
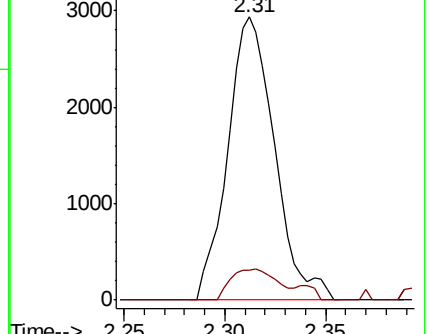
76 100

78 10.8 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#25

Chloroform

Concen: 0.228 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VV017493.D

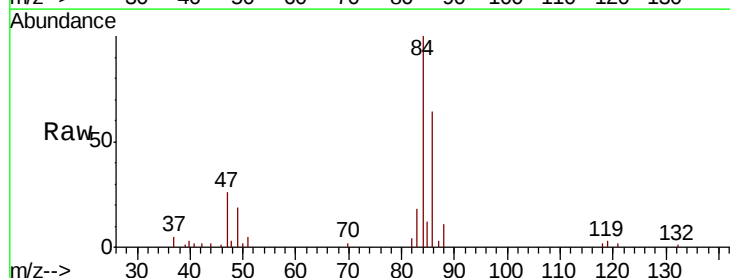
Acq: 14 Jul 2020 19:15

Tgt Ion: 83 Resp: 4198

Ion Ratio Lower Upper

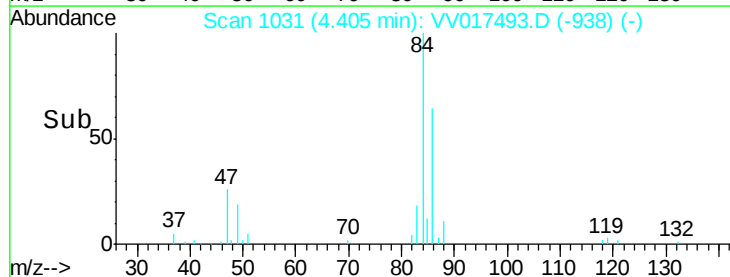
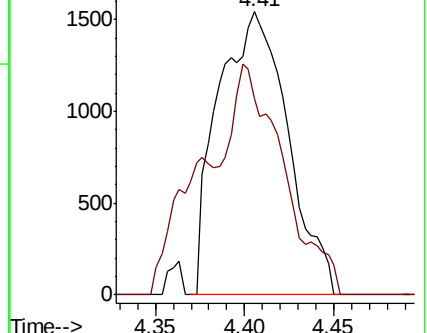
83 100

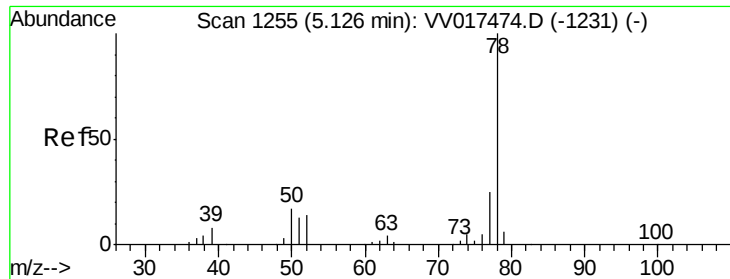
85 69.5 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 0.070 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VV017493.D

Acq: 14 Jul 2020 19:15

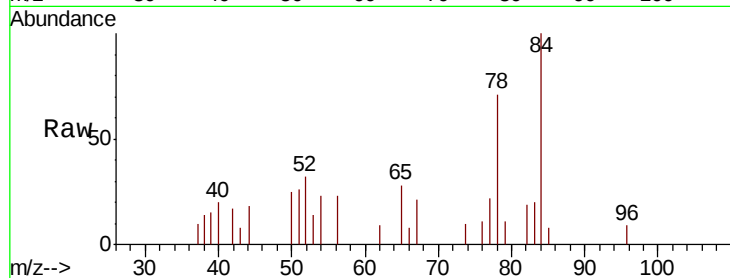
Instrument :

MSVOA\_V

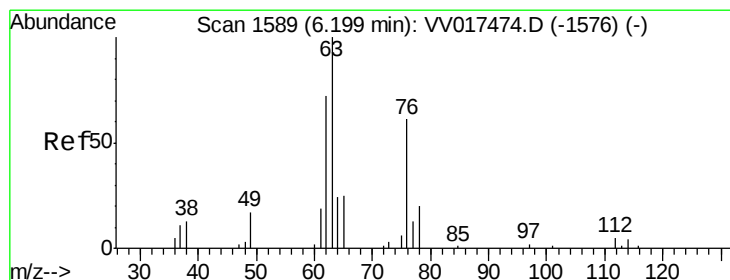
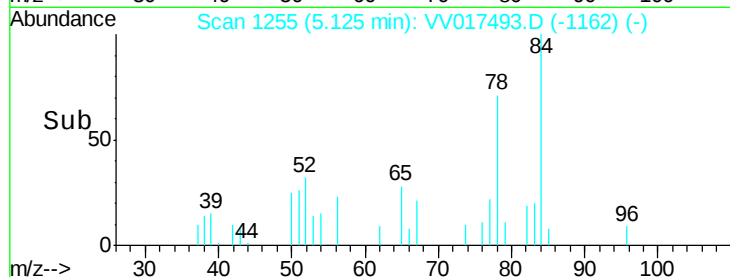
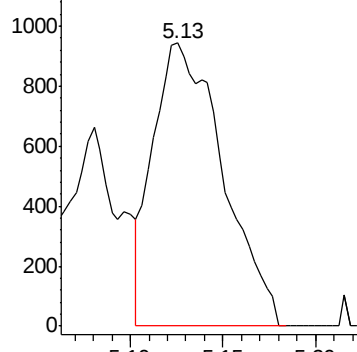
ClientSampleId :

GAXX1

Tgt Ion: 78 Resp: 2478



Abundance Ion 78.10 (77.80 to 78.80): VV0



#37

1,2-Dichloropropane

Concen: 0.680 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV017493.D

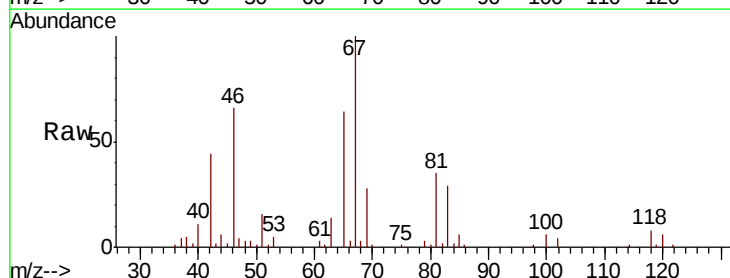
Acq: 14 Jul 2020 19:15

Tgt Ion: 63 Resp: 5581

Ion Ratio Lower Upper

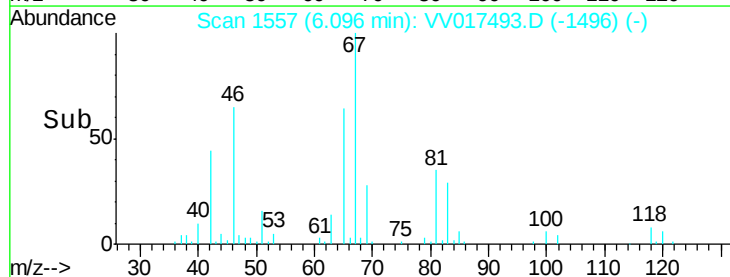
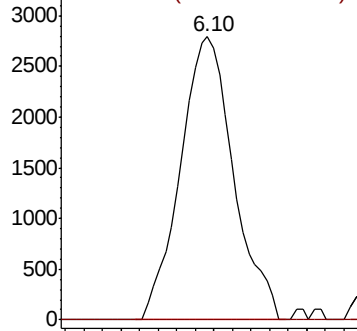
63 100

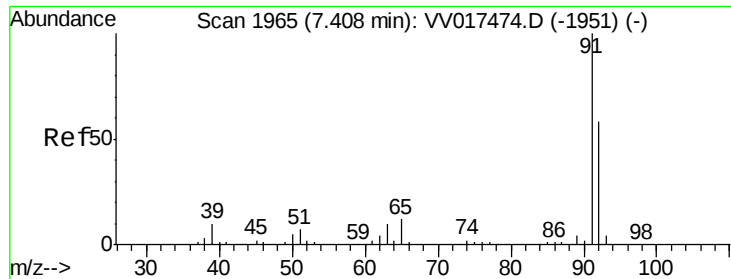
112 0.8 4.4 6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.250 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV017493.D

Acq: 14 Jul 2020 19:15

Instrument :

MSVOA\_V

ClientSampleId :

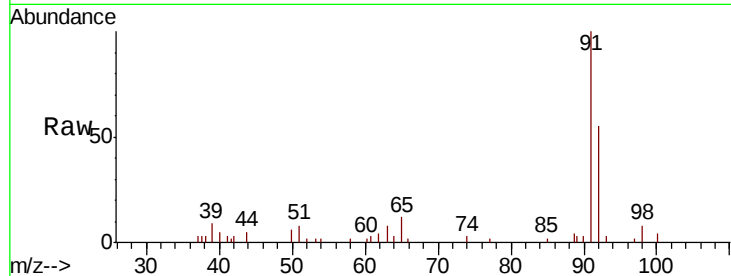
GAXX1

Tot Ion: 91 Resp: 9791

Ion Ratio Lower Upper

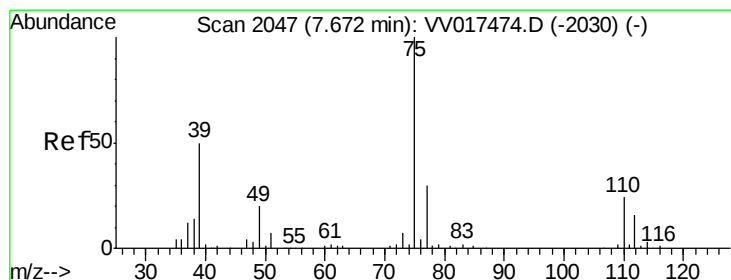
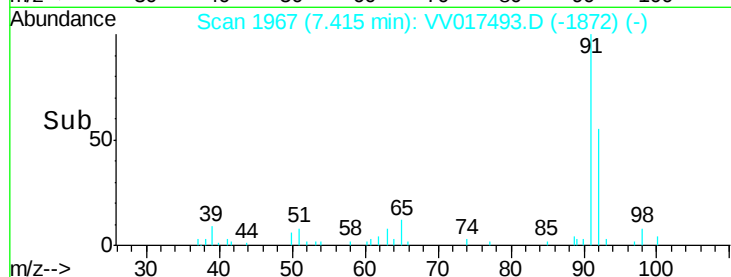
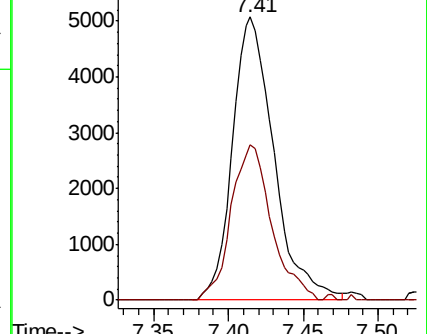
91 100

92 54.8 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#46

trans-1,3-Dichloropropene

Concen: 0.071 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV017493.D

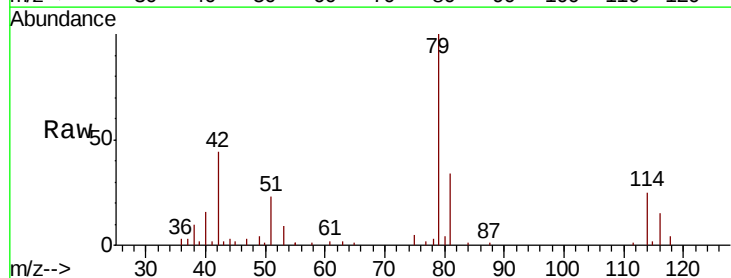
Acq: 14 Jul 2020 19:15

Tgt Ion: 75 Resp: 828

Ion Ratio Lower Upper

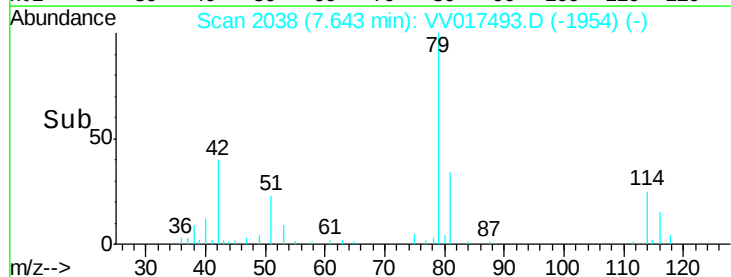
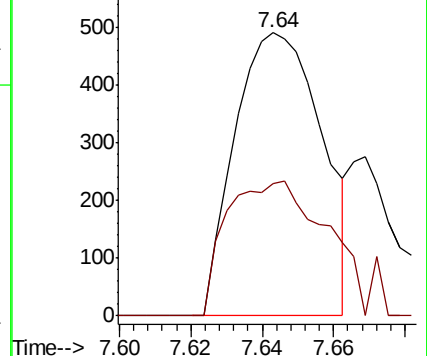
75 100

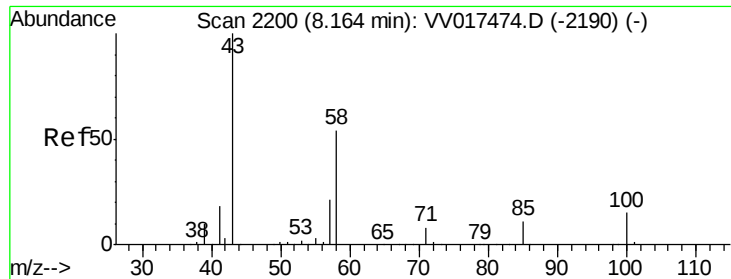
77 46.7 21.2 39.4#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

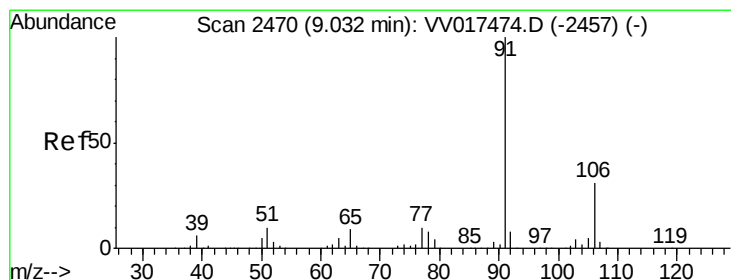
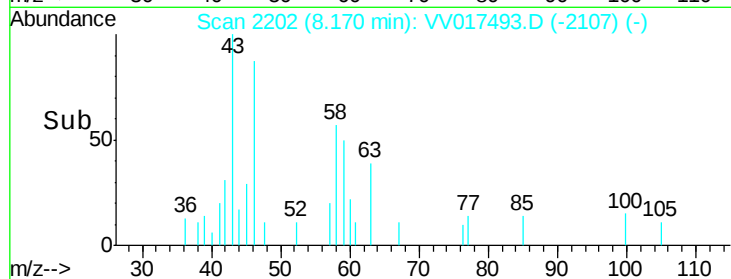
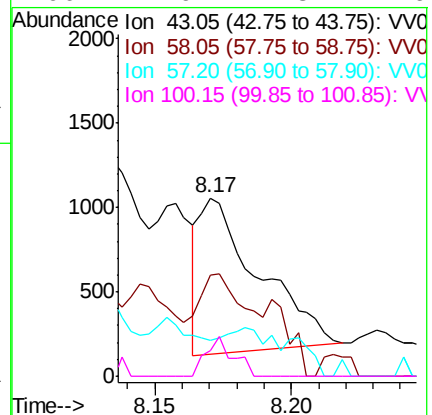
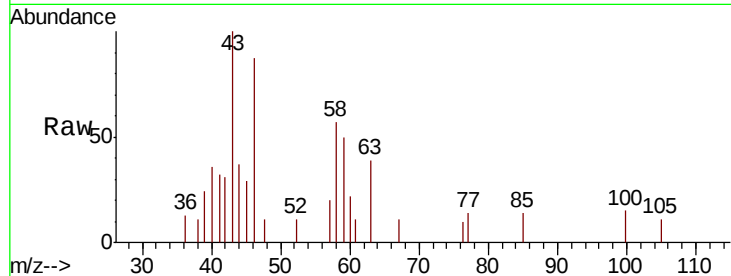




#50  
2-Hexanone  
Concen: 0.431 ug/L  
RT: 8.17 min Scan# 2202  
Delta R.T. 0.01 min  
Lab File: VV017493.D  
Acq: 14 Jul 2020 19:15

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAXX1

Tot Ion: 43 Resp: 1375  
Ion Ratio Lower Upper  
43 100  
58 21.5 43.0 64.4#  
57 26.6 16.8 25.2#  
100 11.9 11.8 17.6



#54  
Ethylbenzene  
Concen: 0.172 ug/L  
RT: 9.04 min Scan# 2471  
Delta R.T. 0.00 min  
Lab File: VV017493.D  
Acq: 14 Jul 2020 19:15

Tgt Ion: 91 Resp: 7723  
Ion Ratio Lower Upper  
91 100  
106 32.4 21.9 40.7

