

Data File : VV014595.D  
Acq On : 17 Feb 2020 15:59  
Operator : SY/MD  
Sample : VV0217MBL07  
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK214

Quant Time: Feb 18 06:44:57 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SFAMVLM021720W.M  
Quant Title : VOC Analysis  
QLast Update : Tue Feb 18 06:41:33 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 294347   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 274493   | 50.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 133511   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 44929    | 45.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 91.68%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 35022    | 47.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 94.30%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 63795    | 35.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.48%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 90924    | 95.31    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 95.31%  |
| 24) Chloroform-d               | 4.40    | 84    | 152211   | 47.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.16%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 100476   | 49.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.10%  |
| 32) Benzene-d6                 | 5.10    | 84    | 315096   | 50.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.32% |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 96742    | 50.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 101.90% |
| 41) Toluene-d8                 | 7.35    | 98    | 300674   | 50.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.58% |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 52273    | 49.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 98.04%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 73328    | 97.79    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 97.79%  |
| 56) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 130361   | 49.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.46%  |
| 66) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 119112   | 52.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.88% |

#### Target Compounds

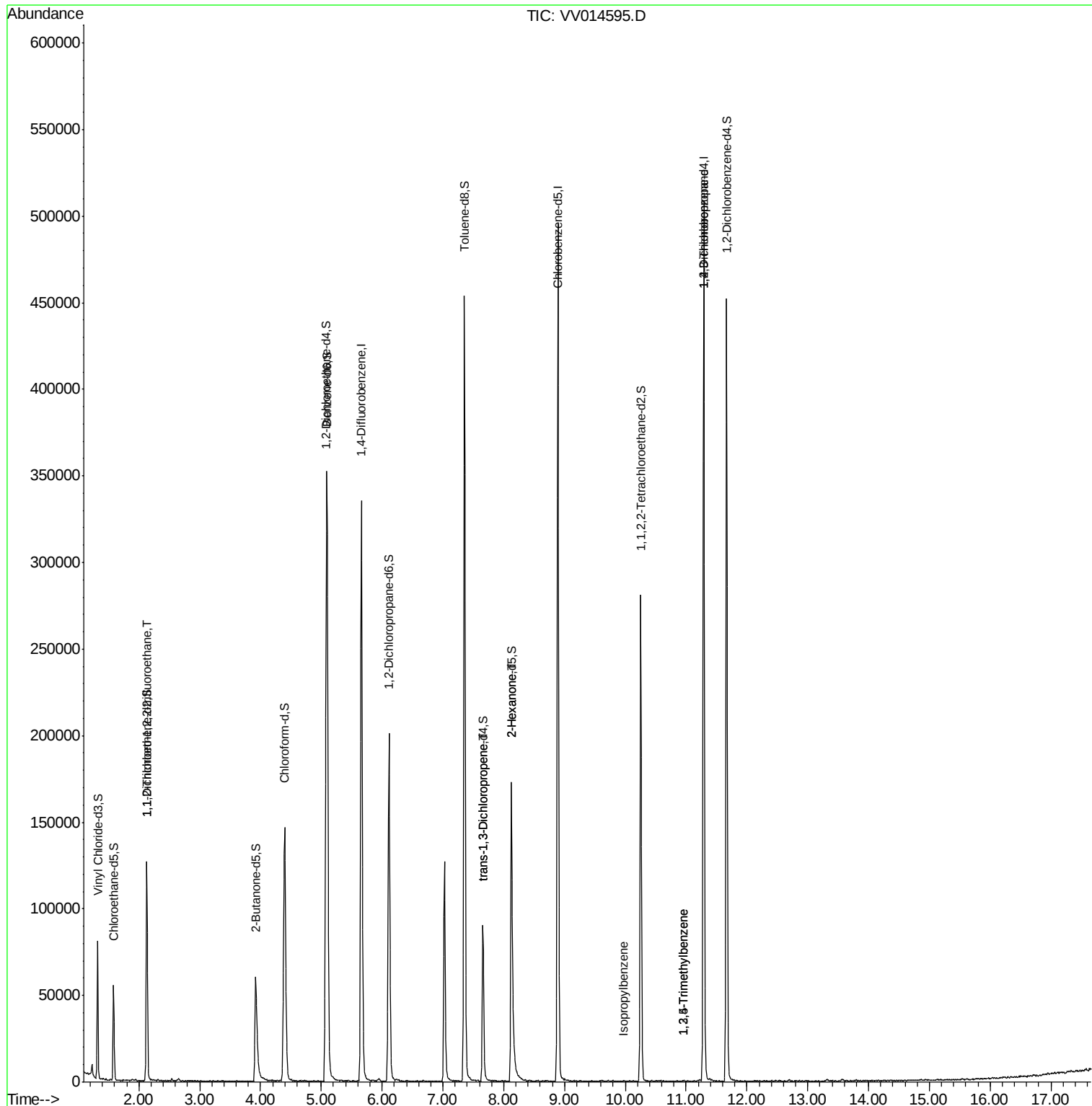
|                                |       |     |       |       | Qvalue |    |
|--------------------------------|-------|-----|-------|-------|--------|----|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13  | 101 | 619   | 0.630 | ug/L # | 15 |
| 44) trans-1,3-Dichloropropene  | 7.66  | 75  | 2363  | 0.831 | ug/L   | 85 |
| 48) 2-Hexanone                 | 8.13  | 43  | 7961  | 4.741 | ug/L # | 65 |
| 60) Isopropylbenzene           | 9.97  | 105 | 236   | 0.028 | ug/L # | 54 |
| 61) 1,2,3-Trichloropropane     | 11.29 | 75  | 14490 | 6.513 | ug/L # | 59 |
| 62) 1,3,5-Trimethylbenzene     | 10.95 | 105 | 197   | 0.027 | ug/L   | 98 |
| 63) 1,2,4-Trimethylbenzene     | 10.95 | 105 | 197   | 0.028 | ug/L   | 92 |

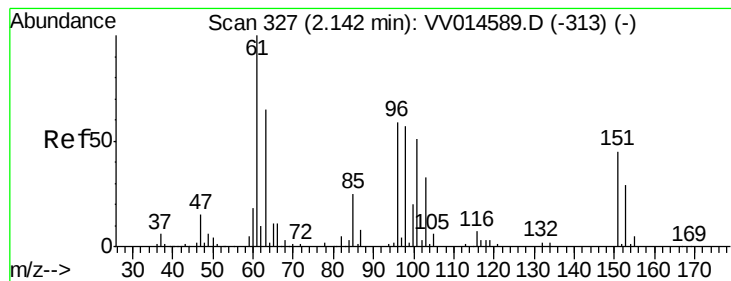
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.630 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014595.D

Acq: 17 Feb 2020 15:59

Instrument :

MSVOA\_V

ClientSampleId :

VBLK214

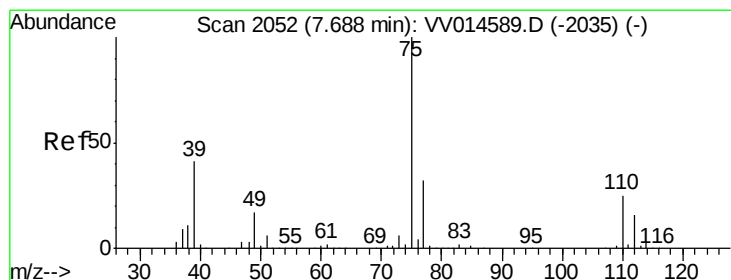
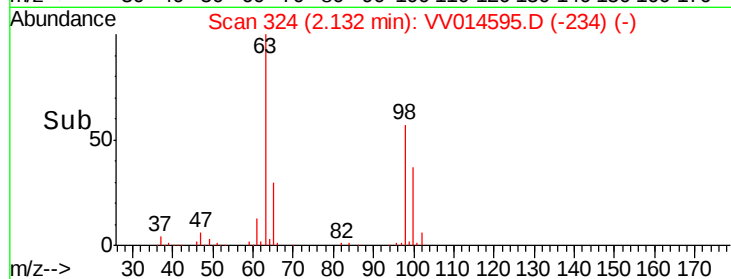
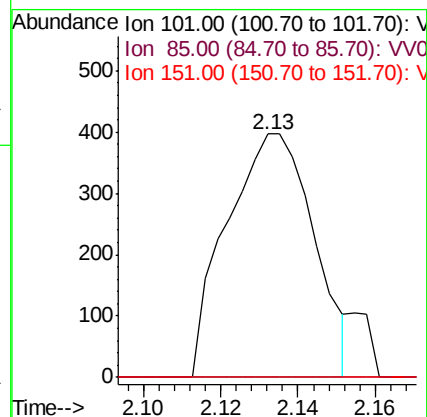
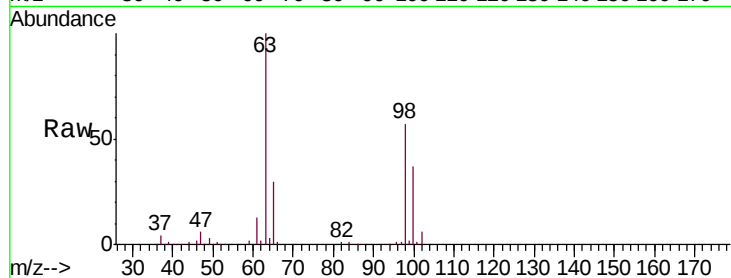
Tgt Ion:101 Resp: 619

Ion Ratio Lower Upper

101 100

85 0.0 37.9 56.9#

151 0.0 67.7 101.5#



#44

trans-1,3-Dichloropropene

Concen: 0.831 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV014595.D

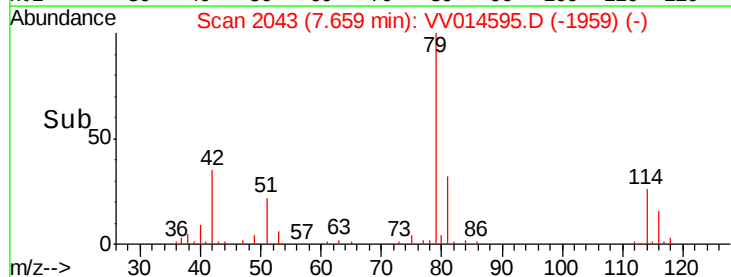
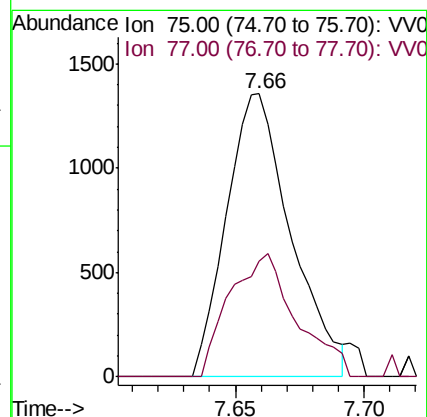
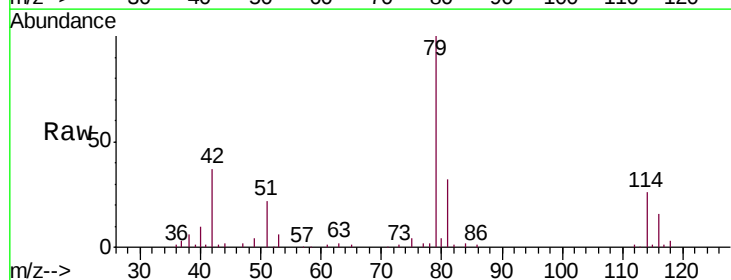
Acq: 17 Feb 2020 15:59

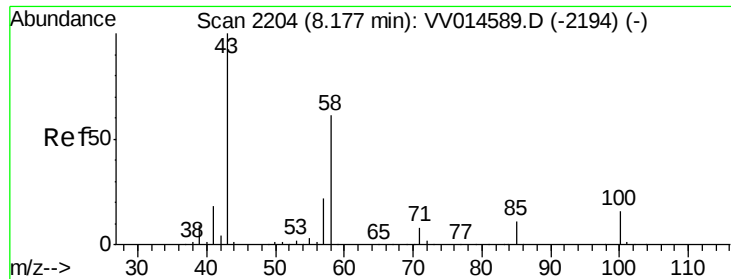
Tgt Ion: 75 Resp: 2363

Ion Ratio Lower Upper

75 100

77 41.0 22.7 42.1

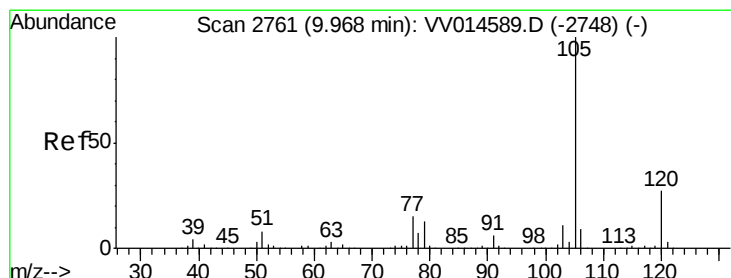
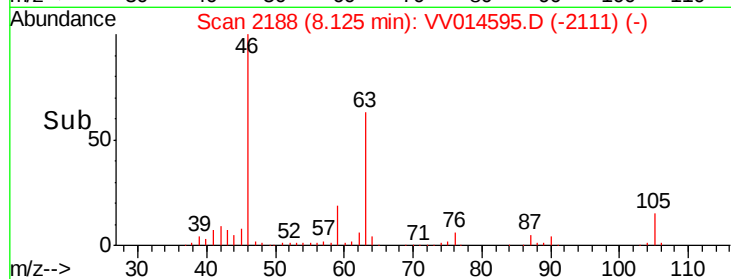
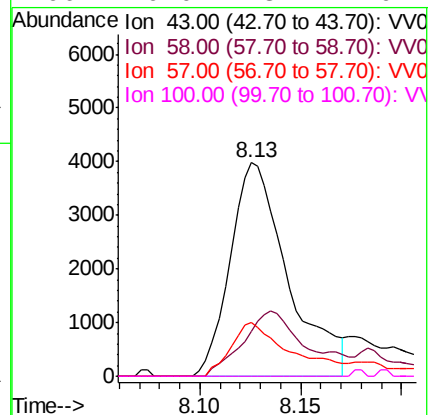
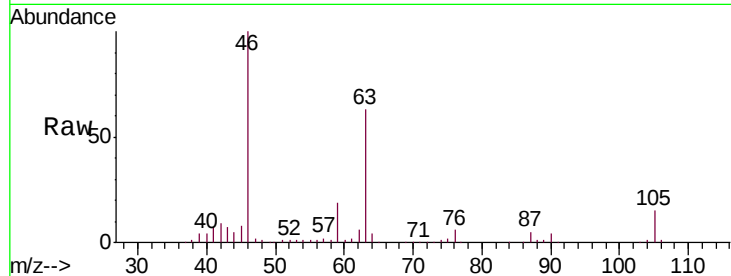




#48  
2-Hexanone  
Concen: 4.741 ug/L  
RT: 8.13 min Scan# 2188  
Delta R.T. -0.05 min  
Lab File: VV014595.D  
Acq: 17 Feb 2020 15:59

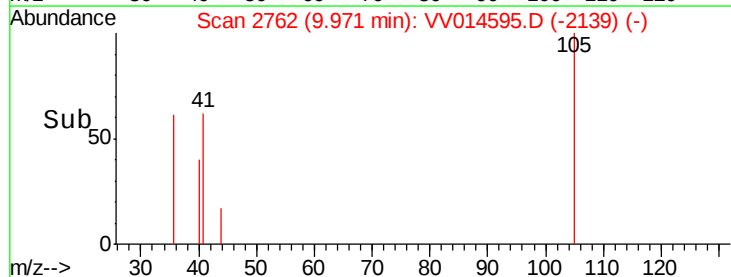
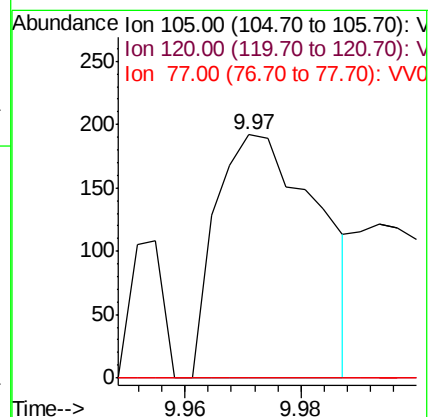
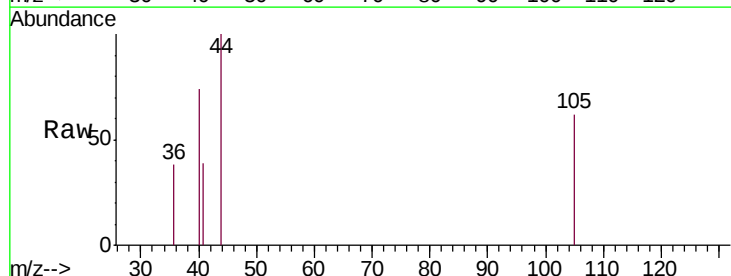
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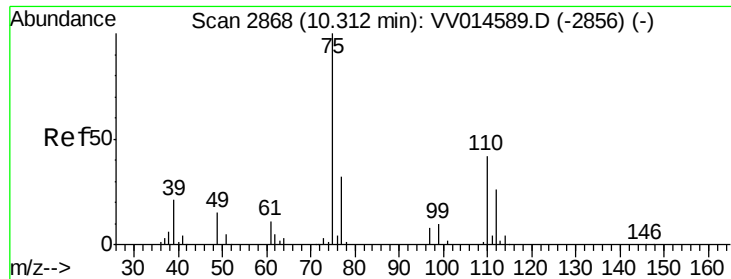
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 7961  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 29.8  | 49.8  | 74.6# |
| 57       | 26.7  | 17.0  | 25.6# |
| 100      | 0.0   | 13.4  | 20.2# |



#60  
Isopropylbenzene  
Concen: 0.028 ug/L  
RT: 9.97 min Scan# 2762  
Delta R.T. 0.00 min  
Lab File: VV014595.D  
Acq: 17 Feb 2020 15:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 236   |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 0.0   | 21.4  | 32.0# |
| 77       | 0.0   | 12.2  | 18.2# |

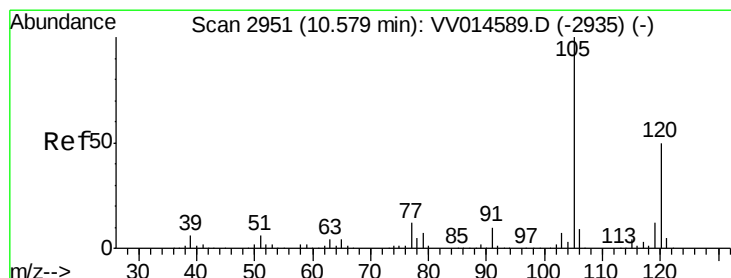
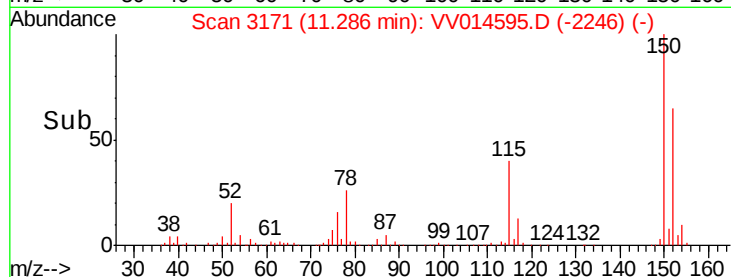
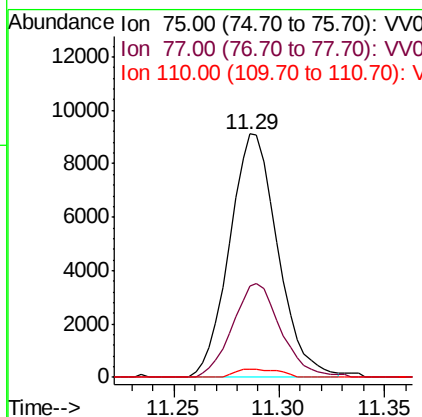
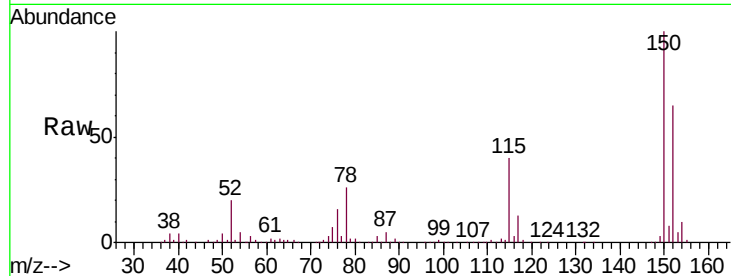




#61  
 1,2,3-Trichloropropane  
 Concen: 6.513 ug/L  
 RT: 11.29 min Scan# 3171  
 Delta R.T. 0.97 min  
 Lab File: VV014595.D  
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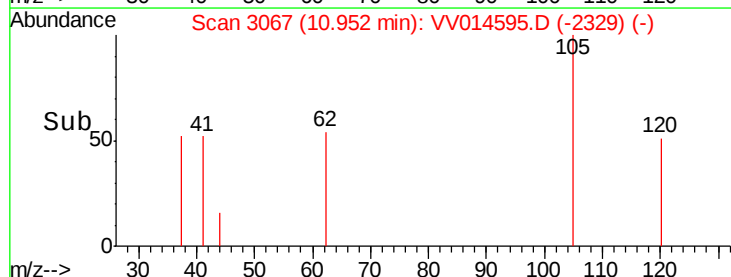
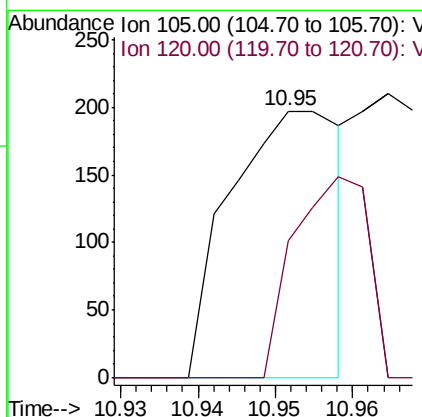
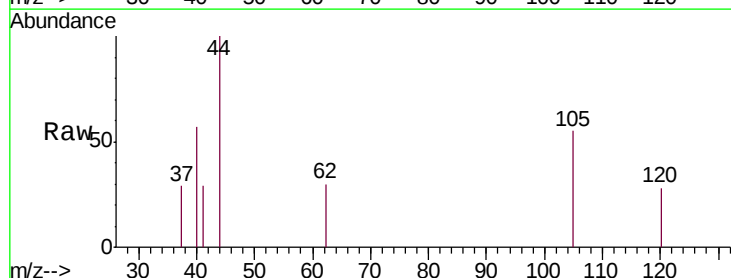
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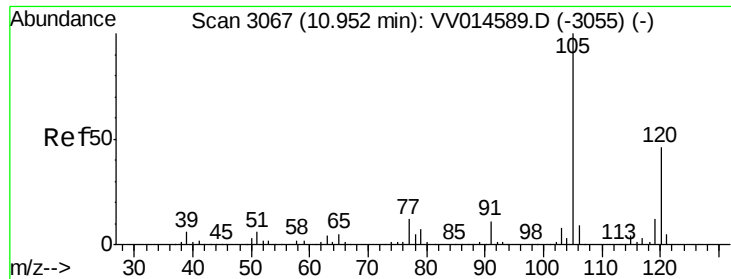
Tgt Ion: 75 Resp: 14490  
 Ion Ratio Lower Upper  
 75 100  
 77 38.3 25.6 38.4  
 110 1.9 33.4 50.0#



#62  
 1,3,5-Trimethylbenzene  
 Concen: 0.027 ug/L  
 RT: 10.95 min Scan# 3067  
 Delta R.T. 0.37 min  
 Lab File: VV014595.D  
 Acq: 17 Feb 2020 15:59

Tgt Ion: 105 Resp: 197  
 Ion Ratio Lower Upper  
 105 100  
 120 50.8 39.8 59.6





#63  
 1,2,4-Trimethylbenzene  
 Concen: 0.028 ug/L  
 RT: 10.95 min Scan# 3067  
 Delta R.T. -0.00 min  
 Lab File: VV014595.D  
 Acq: 17 Feb 2020 15:59

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK214

Tgt Ion:105 Resp: 197  
 Ion Ratio Lower Upper  
 105 100  
 120 50.8 36.6 55.0

