

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072720\  
 Data File : VW015965.D  
 Acq On : 27 Jul 2020 12:32  
 Operator : SY/VA  
 Sample : L3458-04  
 Misc : 5.73G/10ML/MSVOA W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAY32

Manual Integrations  
 APPROVED

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 7/29/2020 7:52:17 PM

Quant Time: Jul 28 02:18:19 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 28 01:36:11 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 103758   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 92651    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 33422    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 32432    | 22.15    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 88.60%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 26523    | 22.30    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.20%   |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 45669    | 15.43    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.72%   |
| 20) 2-Butanone-d5              | 7.09   | 46    | 32769    | 85.21    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 170.42%# |
| 24) Chloroform-d               | 7.65   | 84    | 53864    | 18.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 73.92%   |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 32237    | 20.15    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 80.60%   |
| 29) Benzene-d6                 | 8.28   | 84    | 109840   | 19.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 77.92%   |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 33933    | 20.07    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 80.28%   |
| 37) Toluene-d8                 | 10.33  | 98    | 90893    | 17.79    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 71.16%   |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 13330    | 18.50    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 74.00%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 21484    | 76.32    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 152.64%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 37607    | 28.94    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 115.76%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 27572    | 21.16    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 84.64%   |

## Target Compounds

| Target Compounds       | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|------------------------|-------|------|----------|--------|--------|--------|
| 13) Acetone            | 4.13  | 43   | 5249     | 16.252 | ug/L   | 97     |
| 15) Methyl Acetate     | 4.68  | 43   | 2786m    | 4.575  | ug/L   |        |
| 16) Methylene chloride | 4.92  | 84   | 3970     | 2.335  | ug/L   | 86     |
| 30) Cyclohexane        | 7.96  | 56   | 1943     | 0.832  | ug/L # | 76     |
| 34) Benzene            | 8.33  | 78   | 3467     | 0.616  | ug/L   | 100    |
| 36) Methylcyclohexane  | 9.34  | 83   | 2996     | 1.173  | ug/L # | 87     |
| 44) Toluene            | 10.40 | 91   | 7462     | 1.264  | ug/L   | 92     |
| 53) Ethylbenzene       | 11.73 | 91   | 2753     | 0.415  | ug/L   | 99     |
| 54) m,p-Xylene         | 11.84 | 106  | 1467     | 0.591  | ug/L   | 84     |

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

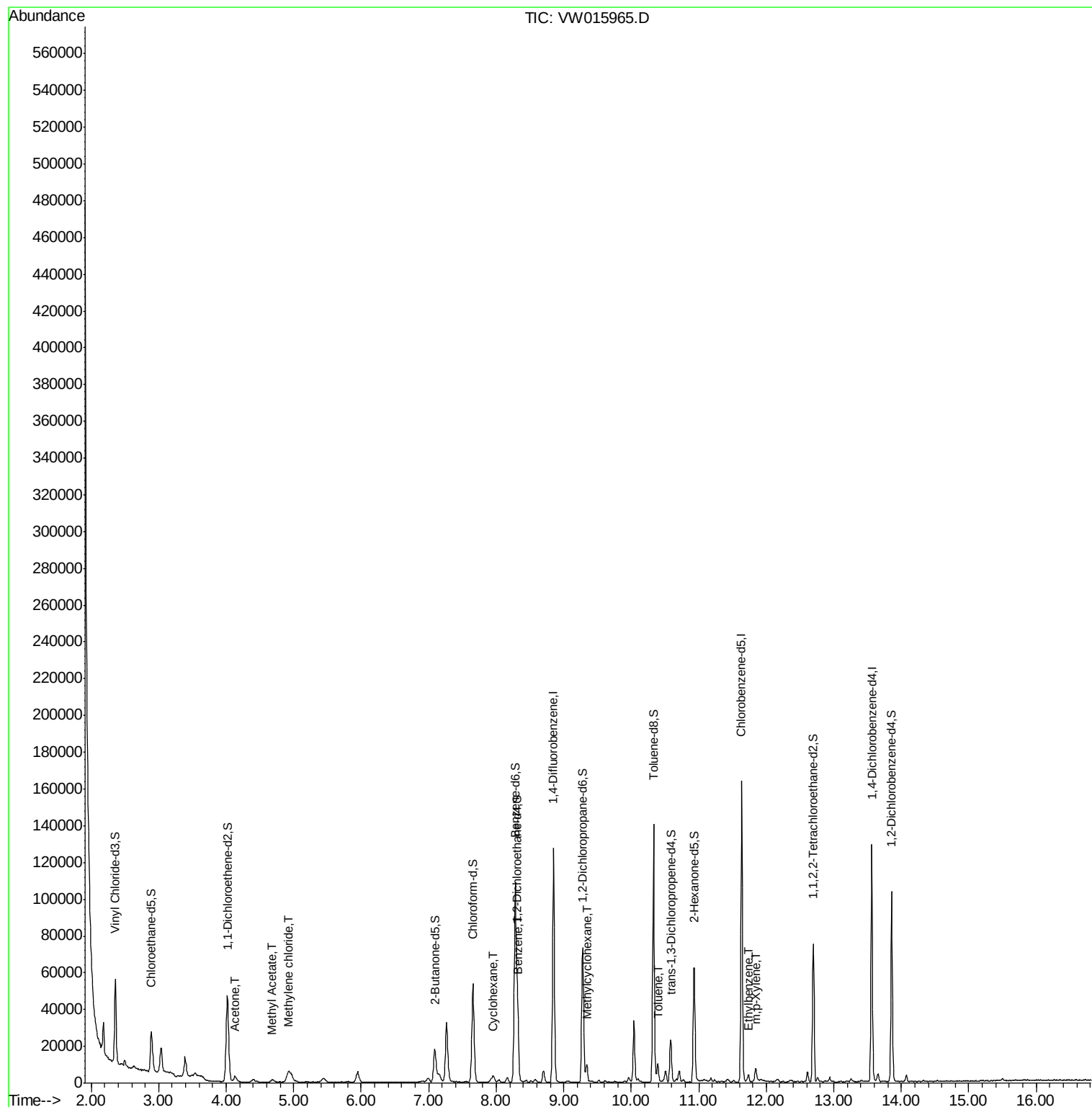
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072720\  
Data File : VW015965.D  
Acq On : 27 Jul 2020 12:32  
Operator : SY/VA  
Sample : L3458-04  
Misc : 5.73G/10ML/MSVOA W/SOIL  
ALS Vial : 8 Sample Multiplier: 1

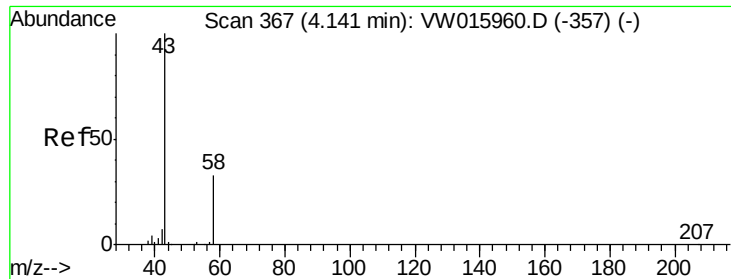
Instrument :  
MSVOA\_W  
ClientSampleId :  
GAY32

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Quant Time: Jul 28 02:18:19 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jul 28 01:36:11 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 16.252 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW015965.D

Acq: 27 Jul 2020 12:32

Instrument :

MSVOA\_W

ClientSampled :

GAY32

Tot Ion: 43 Resp: 5249

Ion Ratio Lower Upper

43 100

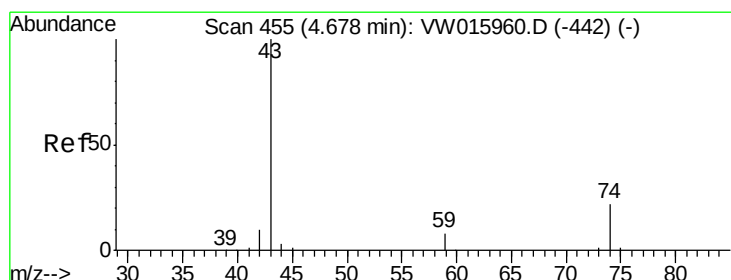
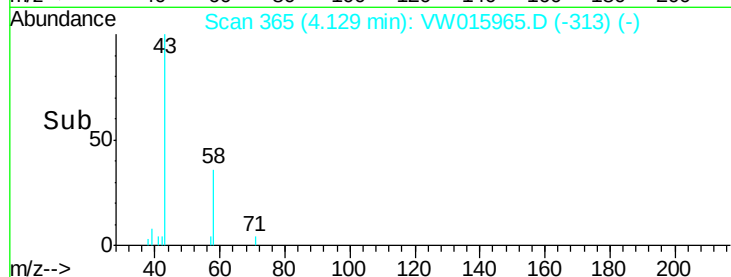
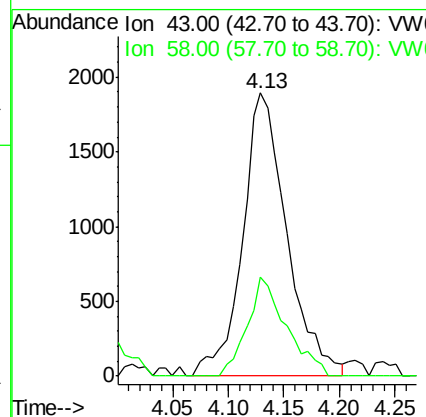
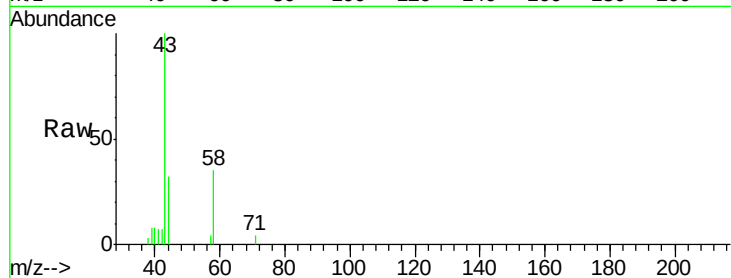
58 30.7 0.0 58.2

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#15

Methyl Acetate

Concen: 4.575 ug/L m

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW015965.D

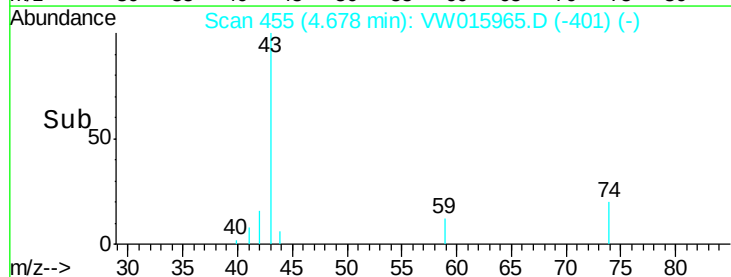
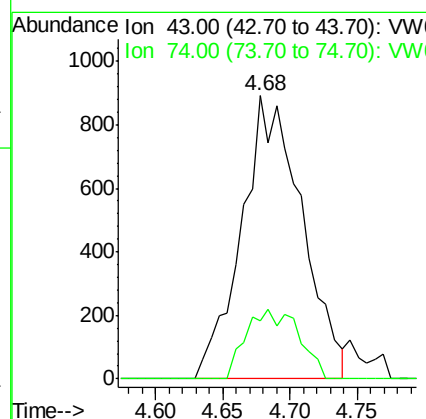
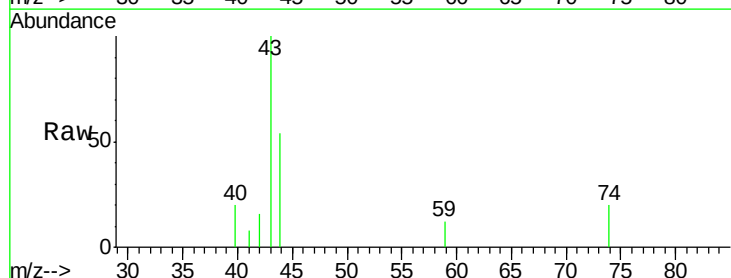
Acq: 27 Jul 2020 12:32

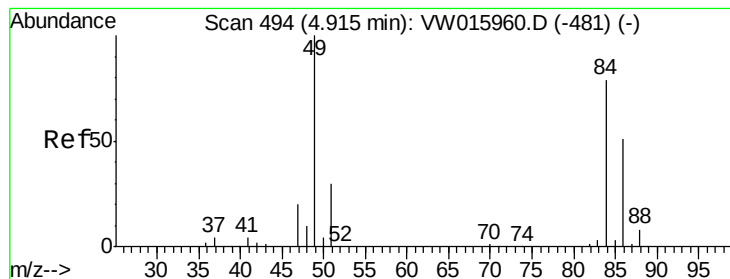
Tgt Ion: 43 Resp: 2786

Ion Ratio Lower Upper

43 100

74 12.8 18.2 27.2#





#16

Methylene chloride

Concen: 2.335 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW015965.D

Acq: 27 Jul 2020 12:32

Instrument :

MSVOA\_W

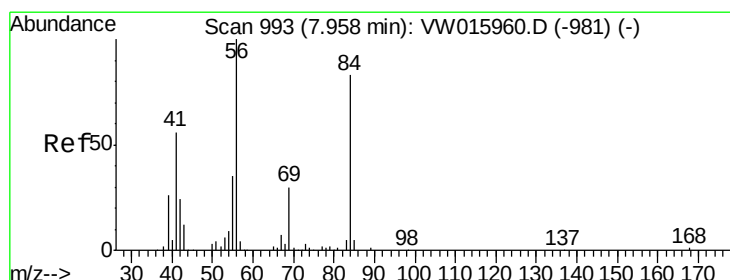
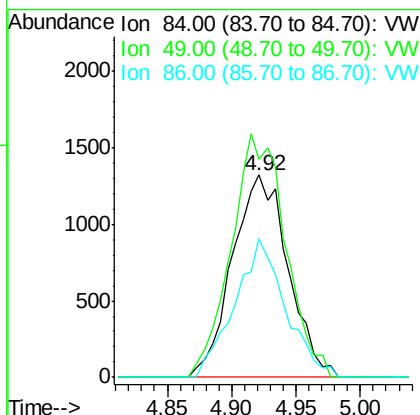
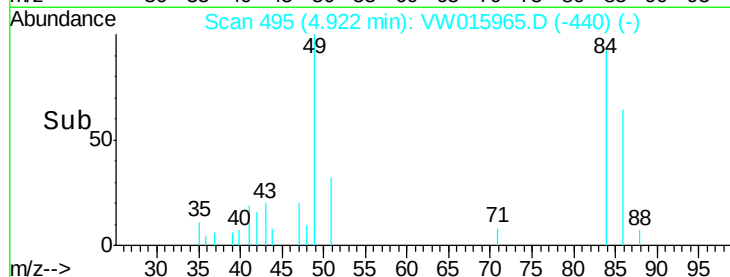
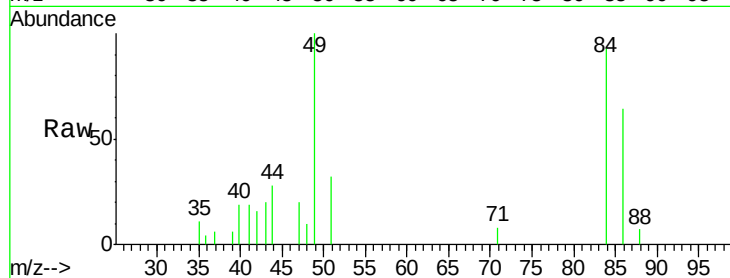
ClientSampled :

GAY32

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 3970  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 107.7 | 91.1  | 169.1 |
| 86       | 68.5  | 46.0  | 85.4  |

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#30

Cyclohexane

Concen: 0.832 ug/L

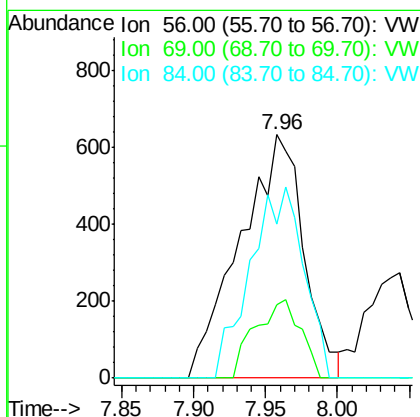
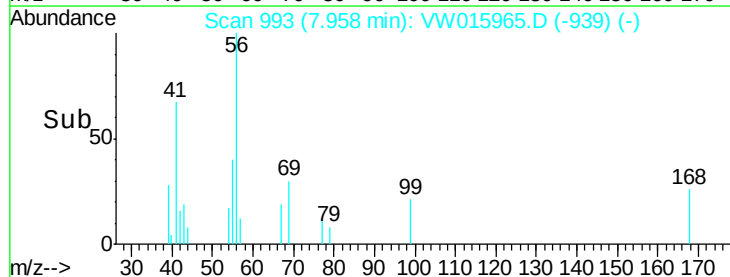
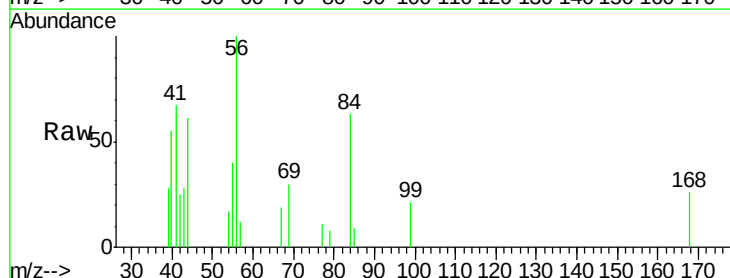
RT: 7.96 min Scan# 993

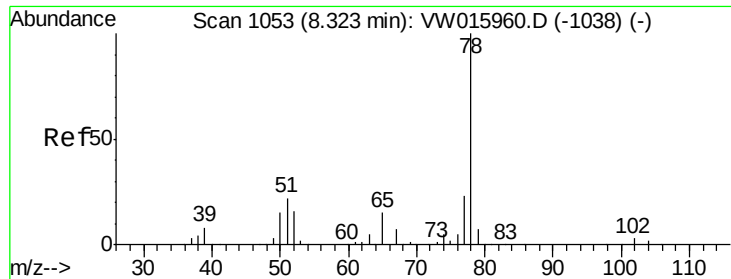
Delta R.T. -0.00 min

Lab File: VW015965.D

Acq: 27 Jul 2020 12:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 1943   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 22.9  | 24.4  | 36.6#  |
| 84       | 60.8  | 69.3  | 103.9# |





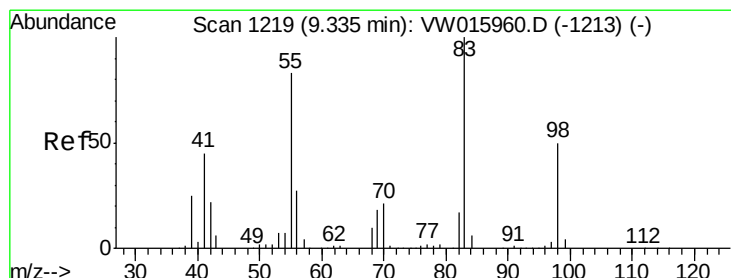
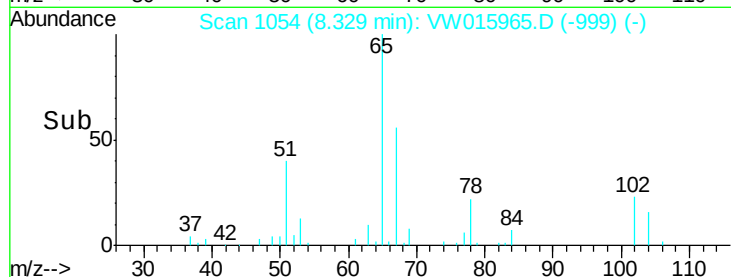
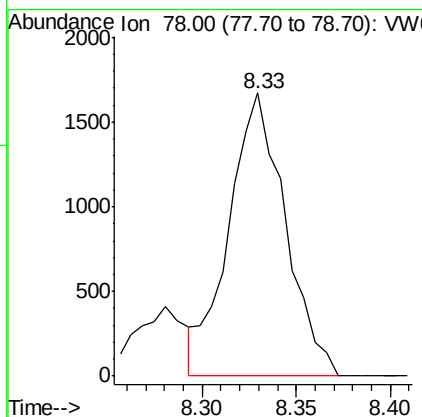
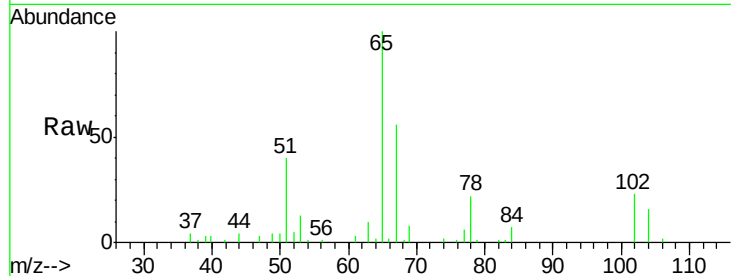
#34  
Benzene  
Concen: 0.616 ug/L  
RT: 8.33 min Scan# 1054  
Delta R.T. 0.01 min  
Lab File: VW015965.D  
Acq: 27 Jul 2020 12:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
GAY32

Tgt Ion: 78 Resp: 3467

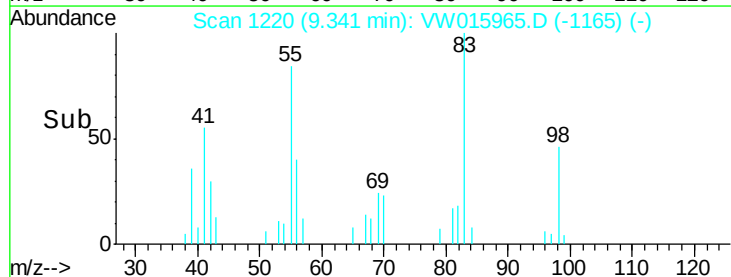
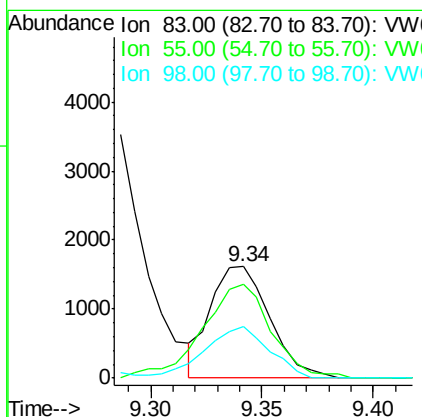
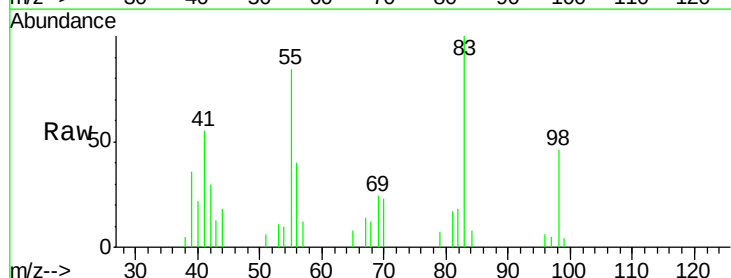
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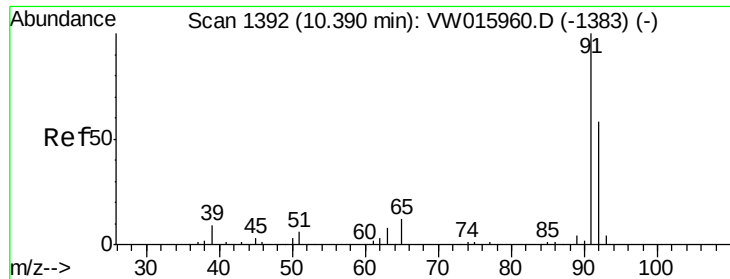
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#36  
Methylcyclohexane  
Concen: 1.173 ug/L  
RT: 9.34 min Scan# 1220  
Delta R.T. 0.01 min  
Lab File: VW015965.D  
Acq: 27 Jul 2020 12:32

Tgt Ion: 83 Resp: 2996  
Ion Ratio Lower Upper  
83 100  
55 97.0 63.5 95.3#  
98 49.7 39.0 58.4





#44

Toluene

Concen: 1.264 ug/L

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW015965.D

Acq: 27 Jul 2020 12:32

Instrument :

MSVOA\_W

ClientSampleId :

GAY32

Tot Ion: 91 Resp: 7462

Ion Ratio Lower Upper

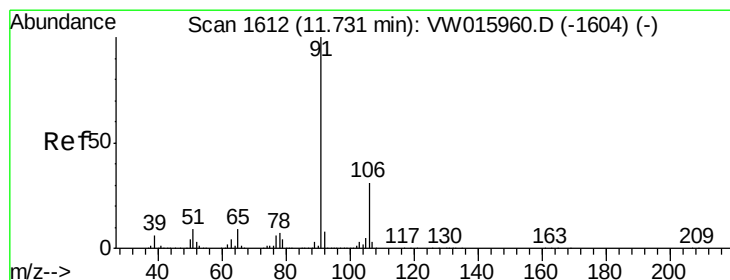
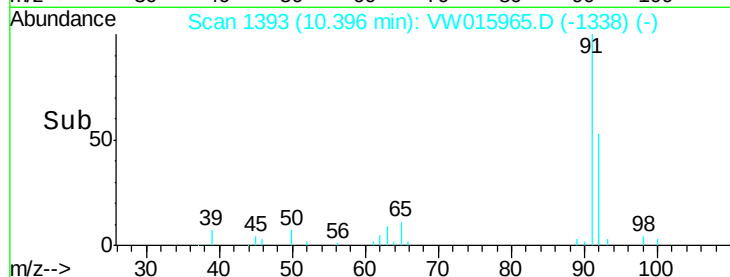
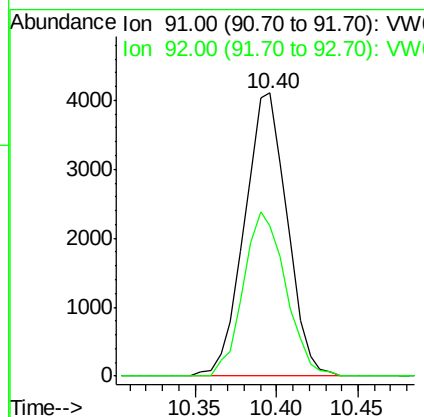
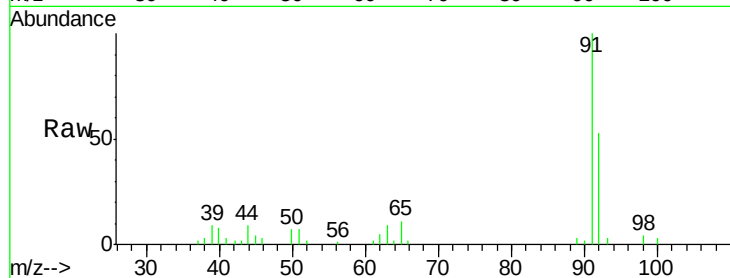
91 100

92 53.1 41.2 76.4

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#53

Ethylbenzene

Concen: 0.415 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015965.D

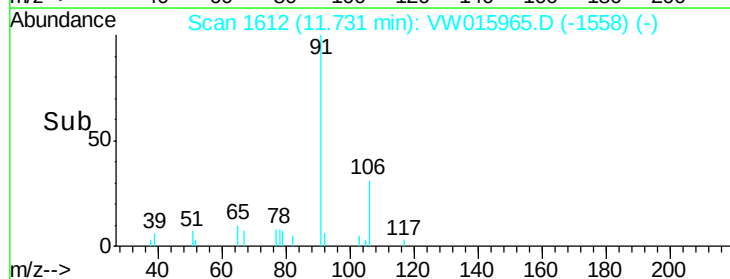
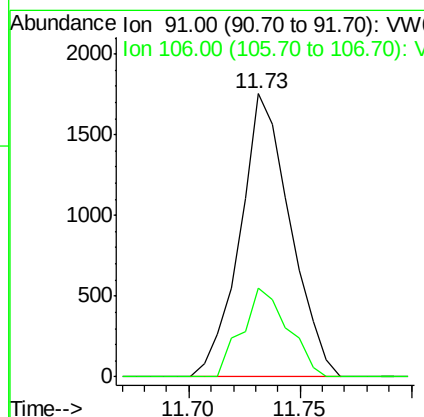
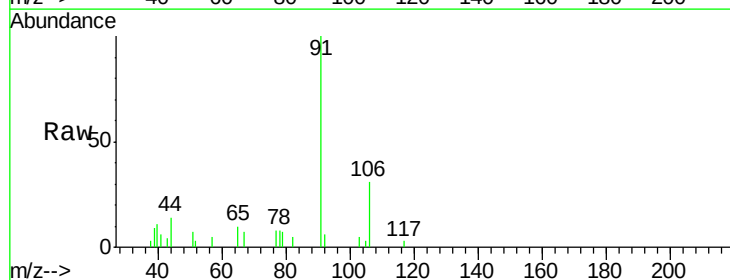
Acq: 27 Jul 2020 12:32

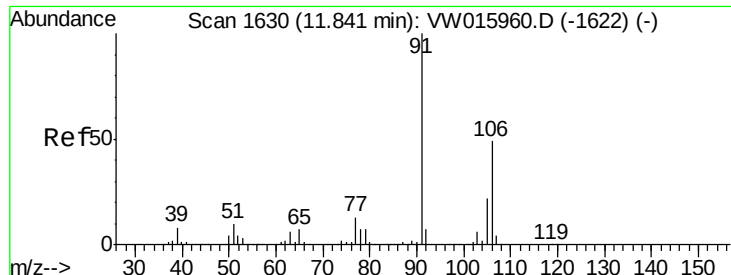
Tgt Ion: 91 Resp: 2753

Ion Ratio Lower Upper

91 100

106 31.4 22.4 41.6





#54

m,p-Xylene

Concen: 0.591 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015965.D

Acq: 27 Jul 2020 12:32

Instrument :

MSVOA\_W

ClientSampleId :

GAY32

Tot Ion:106 Resp: 1467

Ion Ratio Lower Upper

106 100

91 181.8 144.1 267.5

Manual Integrations

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