

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042921\  
 Data File : VW018846.D  
 Acq On : 29 Apr 2021 15:30  
 Operator : SY/VA  
 Sample : M2177-15RE  
 Misc : 3.67G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 BG585RE

Manual Integrations  
 APPROVED

Quant Time: Apr 30 02:11:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM042921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 30 02:09:50 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 462294     | 25.00    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 261300     | 25.00    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 70410      | 25.00    | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 2.355          | 65   | 188092     | 31.71    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 126.84%  |        |          |
| 7) Chloroethane-d5            | 2.891          | 69   | 147403     | 32.08    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 128.32%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.019          | 63   | 232249     | 19.72    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 78.88%   |        |          |
| 21) 2-Butanone-d5             | 7.080          | 46   | 90092      | 58.32    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 116.64%  |        |          |
| 24) Chloroform-d              | 7.653          | 84   | 325765     | 26.85    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 107.40%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 192372     | 28.38    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 113.52%  |        |          |
| 32) Benzene-d6                | 8.275          | 84   | 627195     | 42.48    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 169.92%# |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.274          | 67   | 187516     | 42.81    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 171.24%# |        |          |
| 41) Toluene-d8                | 10.323         | 98   | 435554     | 31.63    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 126.52%  |        |          |
| 43) trans-1,3-Dichloroprop... | 10.579         | 79   | 59447      | 29.87    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 119.48%  |        |          |
| 47) 2-Hexanone-d5             | 10.927         | 63   | 75565      | 96.36    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 192.72%# |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688         | 84   | 108817     | 29.32    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 117.28%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 57774      | 23.95    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 95.80%   |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 13) Acetone                   | 4.135          | 43   | 22444      | 18.96    | ug/L   | 80       |
| 14) Carbon disulfide          | 4.379          | 76   | 28491      | 1.61     | ug/L   | 97       |
| 16) Methylene chloride        | 4.915          | 84   | 31212      | 4.08     | ug/L   | 88       |
| 18) Methyl tert-butyl Ether   | 5.421          | 73   | 29132      | 3.29     | ug/L # | 84       |
| 22) 2-Butanone                | 7.183          | 43   | 8130       | 4.95     | ug/L   | 73       |
| 29) Cyclohexane               | 7.945          | 56   | 3518m      | 0.56     | ug/L   |          |
| 33) Benzene                   | 8.323          | 78   | 23351      | 1.49     | ug/L   | 100      |
| 35) Methylcyclohexane         | 9.335          | 83   | 27023      | 3.68     | ug/L # | 83       |
| 42) Toluene                   | 10.390         | 91   | 9104       | 0.53     | ug/L   | 97       |
| 51) Chlorobenzene             | 11.658         | 112  | 7863       | 0.75     | ug/L # | 82       |
| 52) Ethylbenzene              | 11.731         | 91   | 40239      | 2.11     | ug/L   | 99       |
| 53) m,p-Xylene                | 11.847         | 106  | 31797      | 4.48     | ug/L   | 98       |
| 54) o-Xylene                  | 12.164         | 106  | 65192      | 9.64     | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.463         | 105  | 106302     | 10.58    | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.944         | 105  | 140944     | 16.80    | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249         | 105  | 363849     | 43.35    | ug/L   | 100      |
| -----                         |                |      |            |          |        |          |

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

**Instrument :**  
MSVOA\_W  
**ClientSampleId :**  
BG585RE

**Manual Integrations**  
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MMDadoda

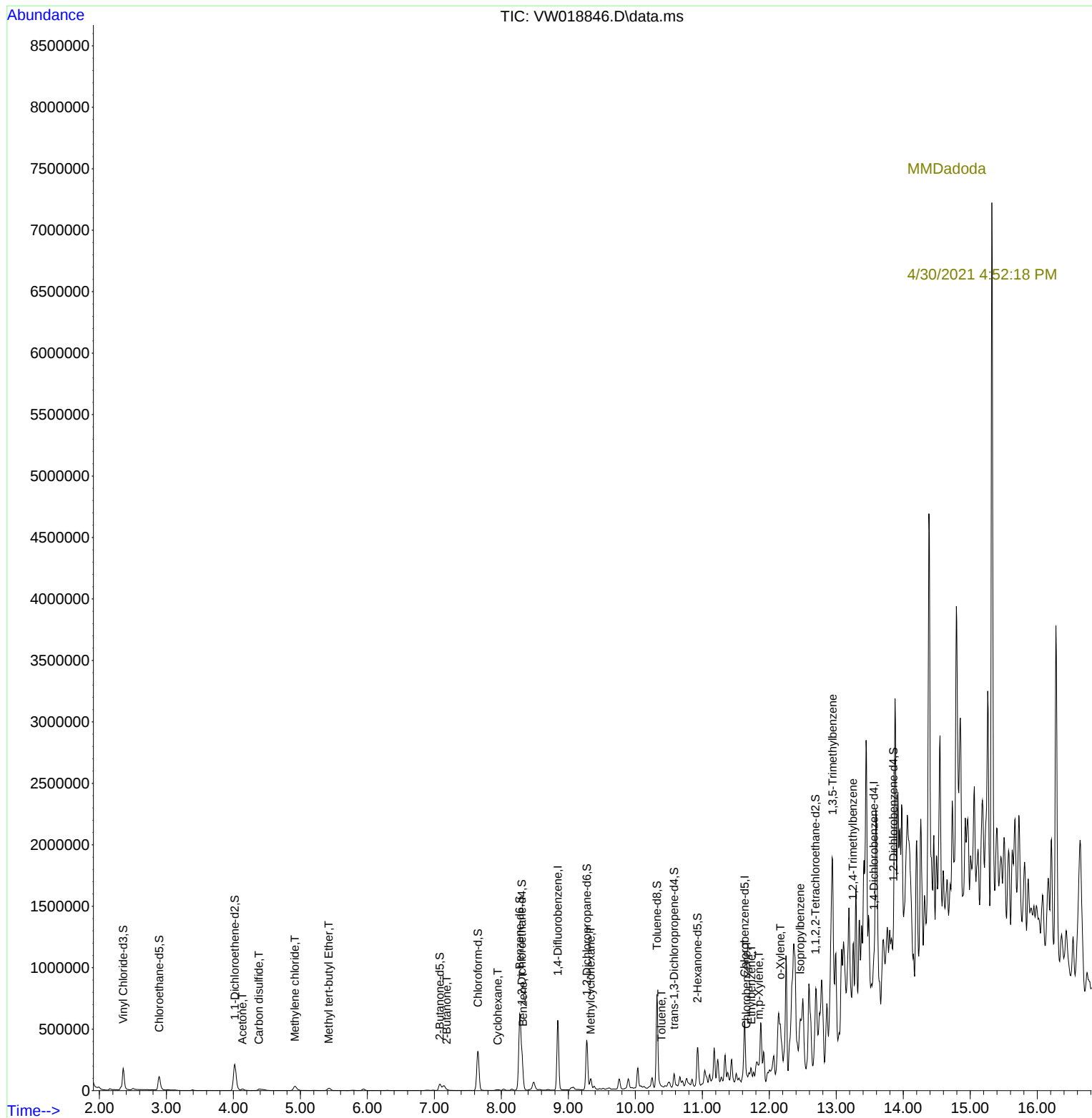
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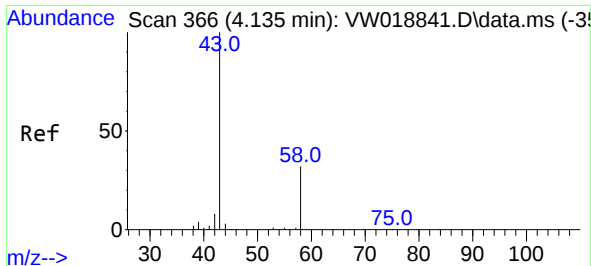
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Data File : VW018846.D  
Acq On : 29 Apr 2021 15:30  
Operator : SY/VA  
Sample : M2177-15RE  
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ALS Vial : 1 Sample Multiplier: 1

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Manual Integrations  
APPROVED

Quant Time: Apr 30 02:11:09 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM042921SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Apr 30 02:09:50 2021  
Response via : Initial Calibration



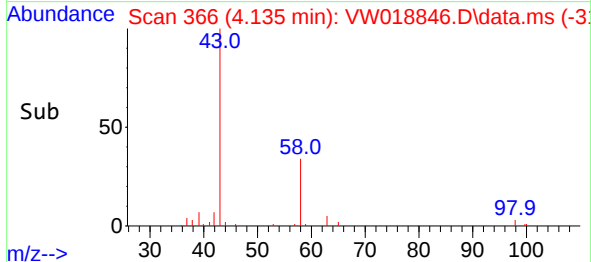
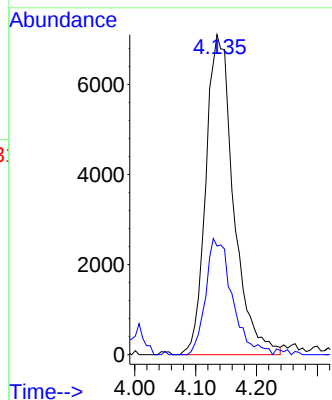
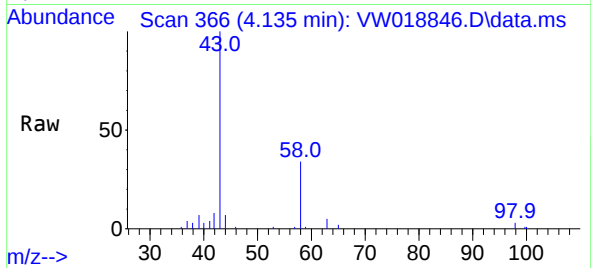


#13  
Acetone  
Concen: 18.96 ug/L  
RT: 4.135 min Scan# 366  
Delta R.T. -0.000 min  
Lab File: VW018846.D  
Acq: 29 Apr 2021 15:30

Tgt Ion: 43 Resp: 22444  
Ion Ratio Lower Upper  
43 100  
58 16.5 0.0 53.8

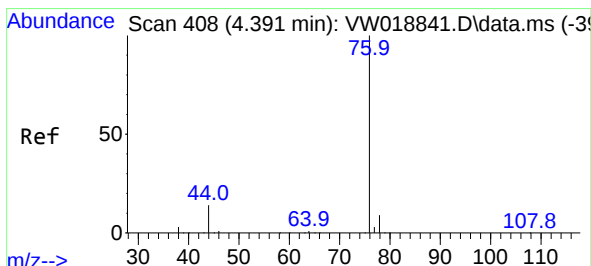
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MSVOA\_W  
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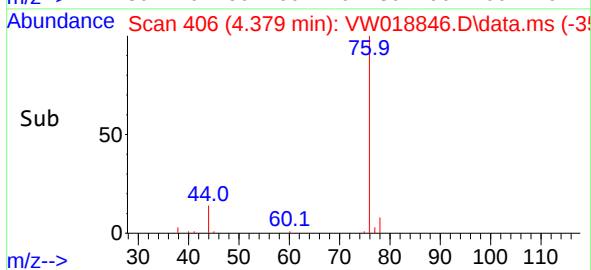
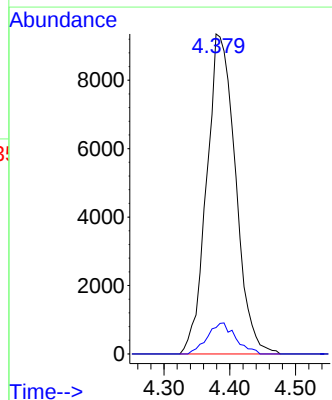
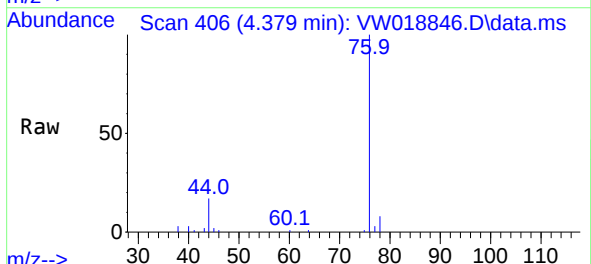
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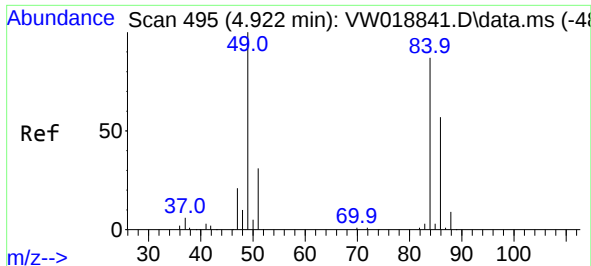
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#14  
Carbon disulfide  
Concen: 1.61 ug/L  
RT: 4.379 min Scan# 406  
Delta R.T. -0.012 min  
Lab File: VW018846.D  
Acq: 29 Apr 2021 15:30

Tgt Ion: 76 Resp: 28491  
Ion Ratio Lower Upper  
76 100  
78 8.2 7.4 11.0



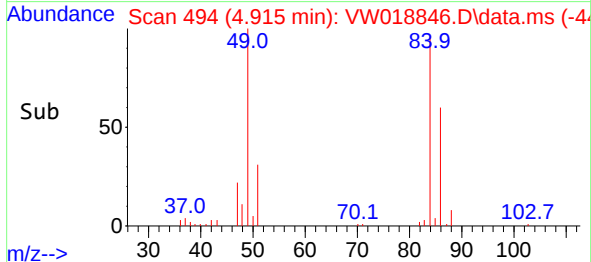
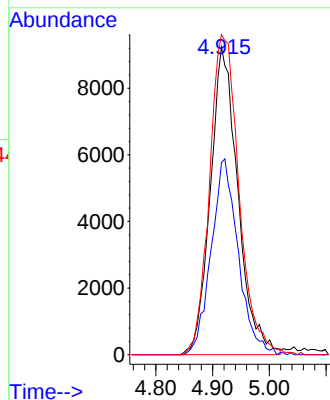
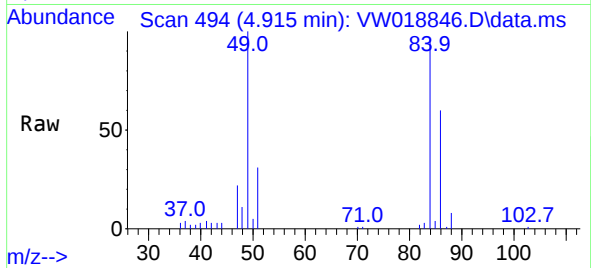


#16  
Methylene chloride  
Concen: 4.08 ug/L  
RT: 4.915 min Scan# 494  
Delta R.T. -0.006 min  
Lab File: VW018846.D  
Acq: 29 Apr 2021 15:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 31212 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 86       | 62.4  | 45.3  | 84.1  |
| 49       | 104.0 | 86.6  | 160.8 |

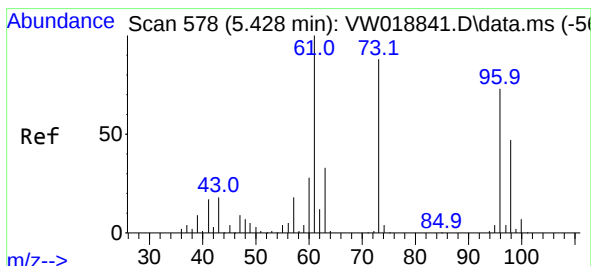
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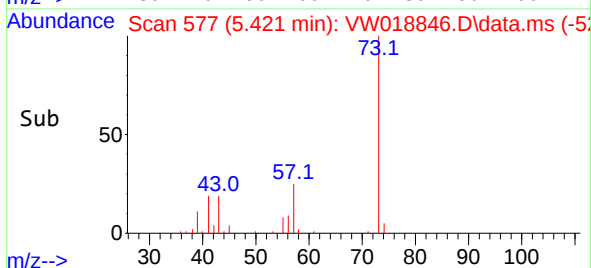
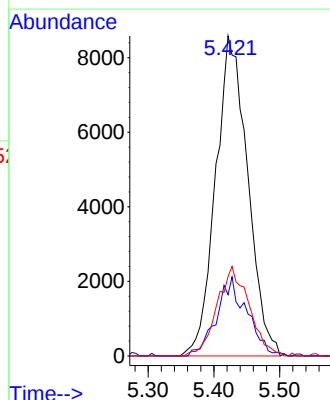
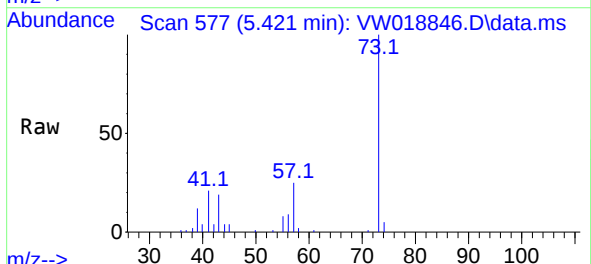
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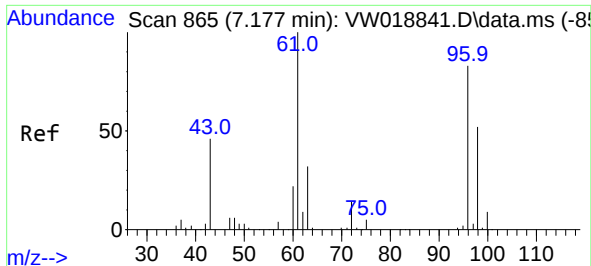
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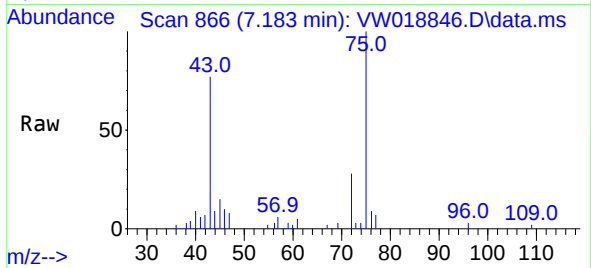
#18  
Methyl tert-butyl Ether  
Concen: 3.29 ug/L  
RT: 5.421 min Scan# 577  
Delta R.T. -0.006 min  
Lab File: VW018846.D  
Acq: 29 Apr 2021 15:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 73    | Resp: | 29132 |
| Ion      | Ratio | Lower | Upper |
| 73       | 100   |       |       |
| 43       | 13.6  | 17.7  | 26.5# |
| 57       | 27.9  | 17.0  | 25.4# |

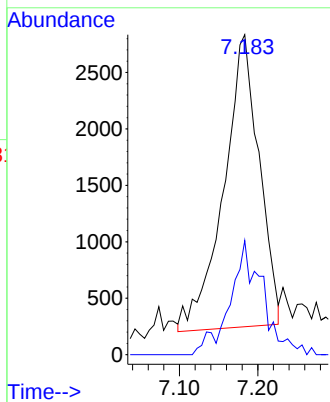
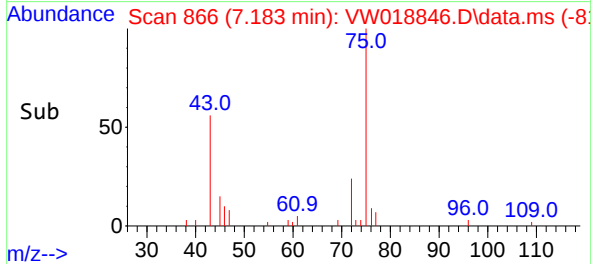




#22  
2-Butanone  
Concen: 4.95 ug/L  
RT: 7.183 min Scan# 866  
Delta R.T. 0.006 min  
Lab File: VW018846.D  
Acq: 29 Apr 2021 15:30



Tgt Ion: 43 Resp: 8130  
Ion Ratio Lower Upper  
43 100  
72 15.3 14.9 44.7

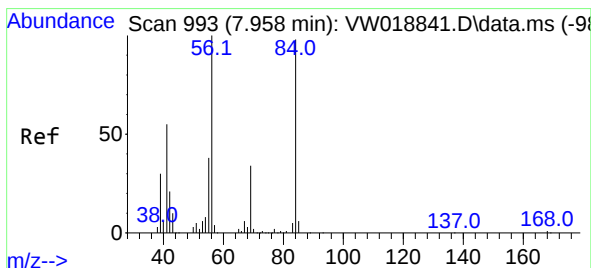


Instrument :  
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ClientSampled :  
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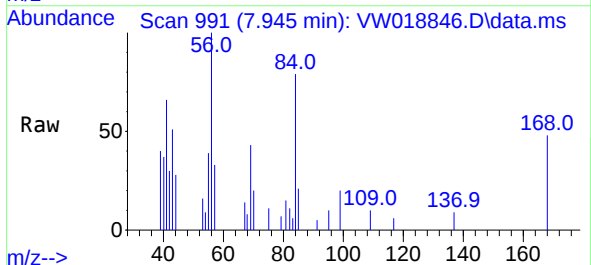
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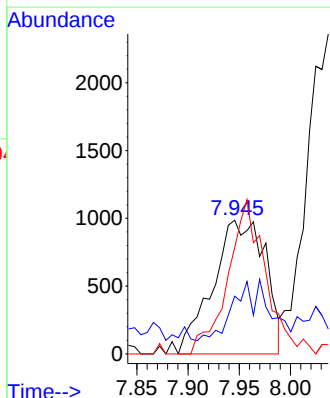
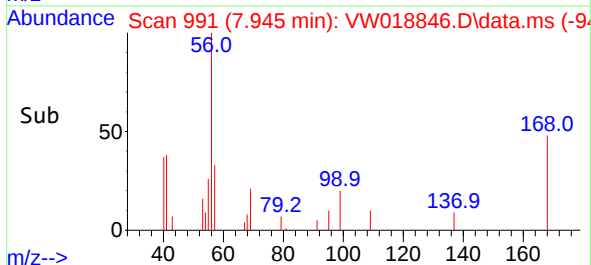
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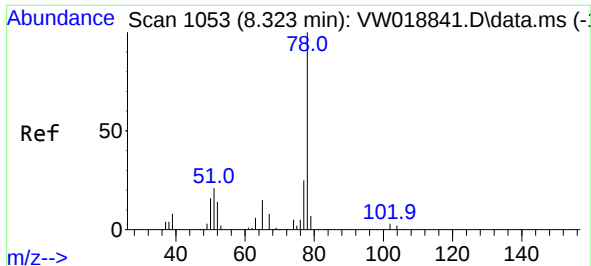


#29  
Cyclohexane  
Concen: 0.56 ug/L m  
RT: 7.945 min Scan# 991  
Delta R.T. -0.012 min  
Lab File: VW018846.D  
Acq: 29 Apr 2021 15:30



Tgt Ion: 56 Resp: 3518  
Ion Ratio Lower Upper  
56 100  
69 17.1 24.5 36.7#  
84 69.7 75.0 112.4#



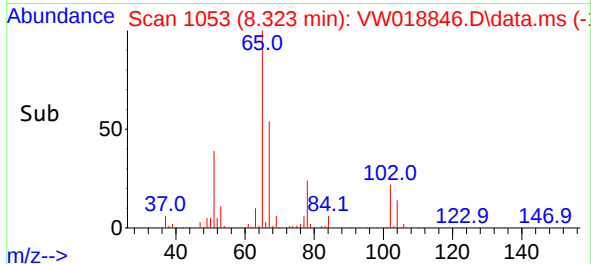
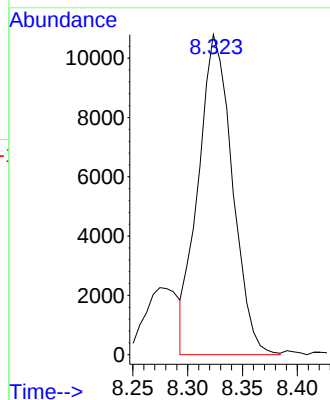
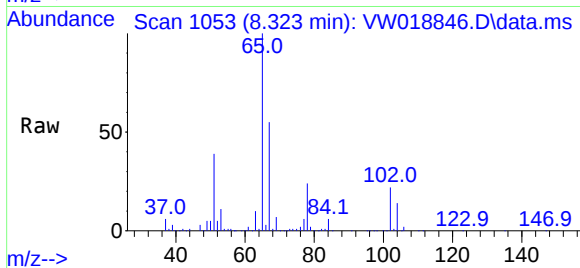


#33  
Benzene  
Concen: 1.49 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW018846.D  
Acq: 29 Apr 2021 15:30

Tgt Ion: 78 Resp: 23351

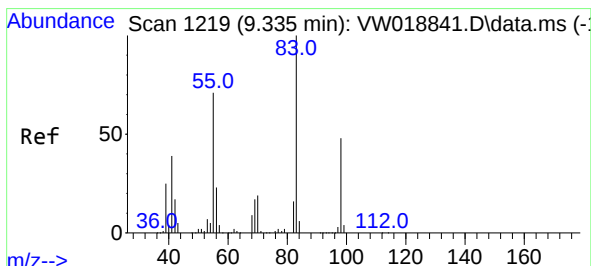
Instrument :  
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ClientSampled :  
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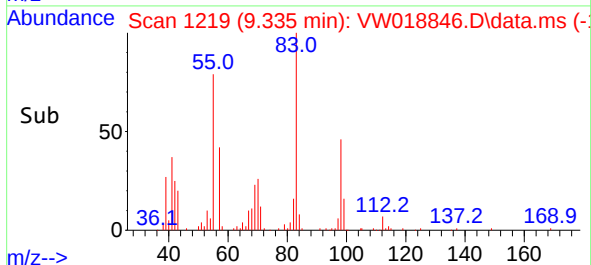
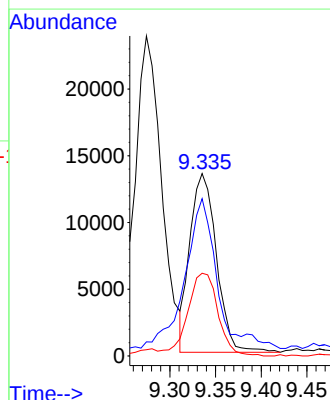
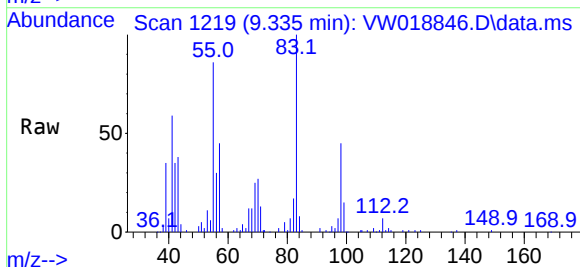
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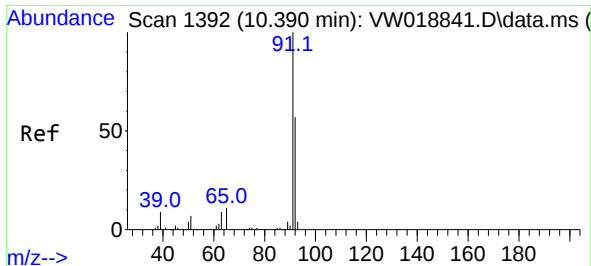
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#35  
Methylcyclohexane  
Concen: 3.68 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW018846.D  
Acq: 29 Apr 2021 15:30

Tgt Ion: 83 Resp: 27023  
Ion Ratio Lower Upper  
83 100  
55 95.4 58.9 88.3#  
98 53.0 40.1 60.1



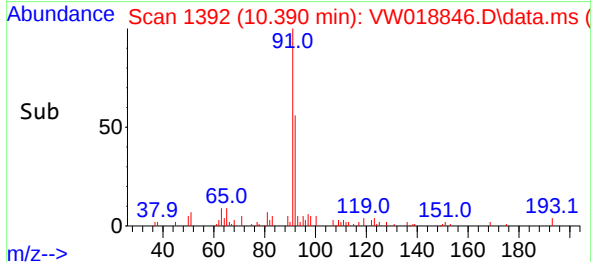
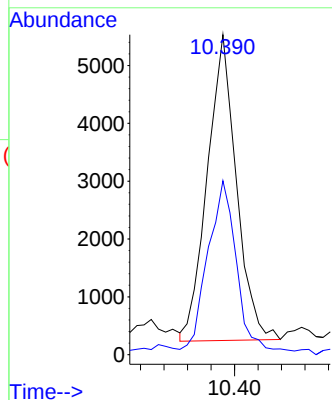
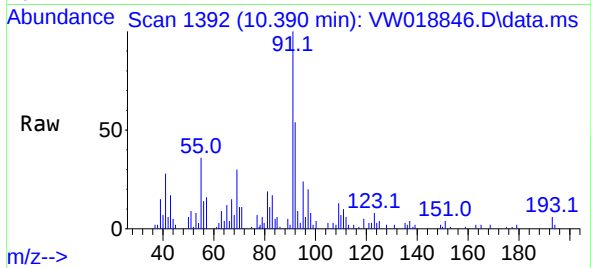


#42  
Toluene  
Concen: 0.53 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VW018846.D  
Acq: 29 Apr 2021 15:30

Tgt Ion: 91 Resp: 9104  
Ion Ratio Lower Upper  
91 100  
92 54.3 39.5 73.3

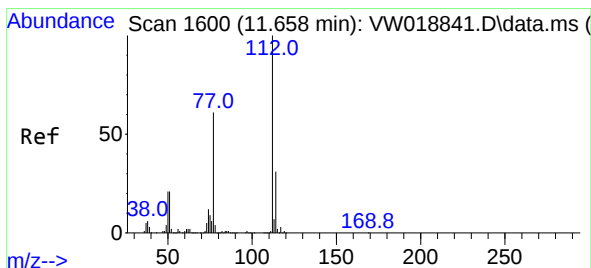
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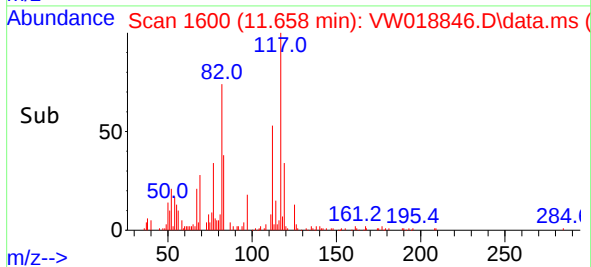
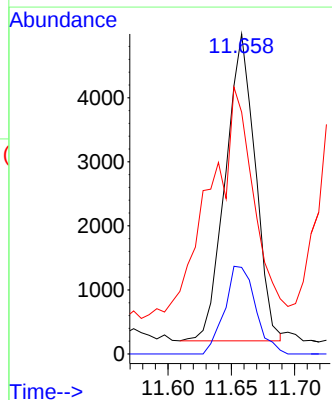
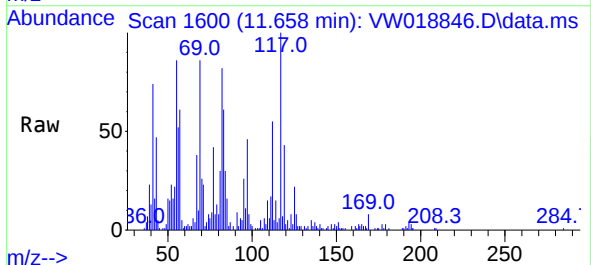
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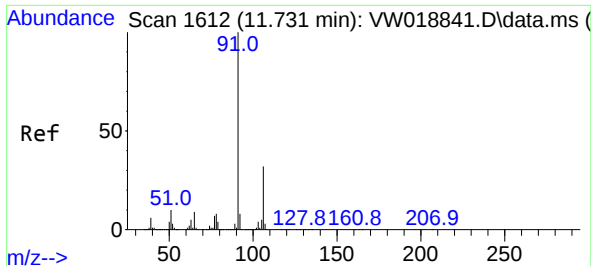
4/30/2021 4:52:18 PM



#51  
Chlorobenzene  
Concen: 0.75 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VW018846.D  
Acq: 29 Apr 2021 15:30

Tgt Ion: 112 Resp: 7863  
Ion Ratio Lower Upper  
112 100  
114 27.0 23.4 43.6  
77 75.6 47.6 71.4#



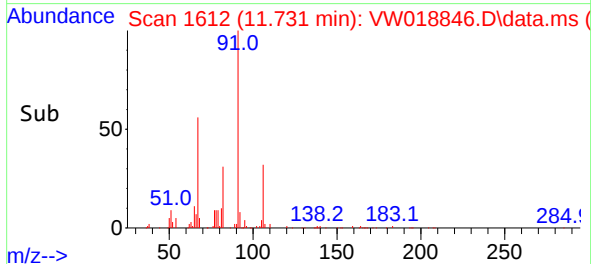
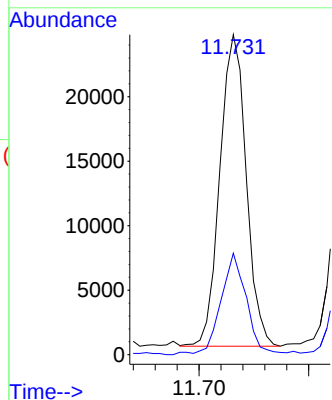
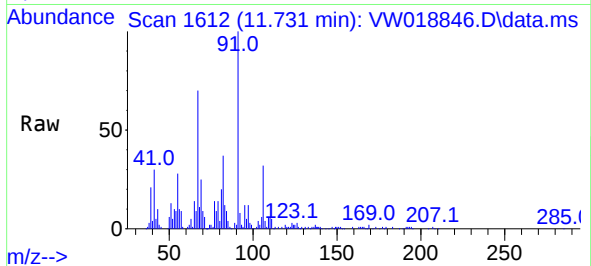


#52  
Ethylbenzene  
Concen: 2.11 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW018846.D  
Acq: 29 Apr 2021 15:30

Tgt Ion: 91 Resp: 40239  
Ion Ratio Lower Upper  
91 100  
106 31.7 22.5 41.7

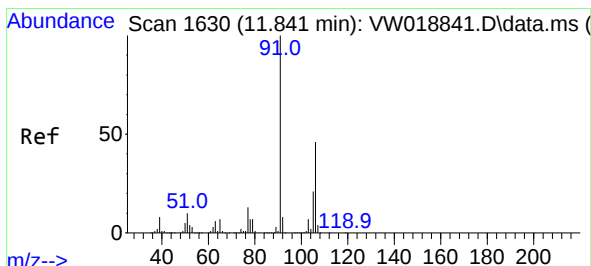
Instrument :  
MSVOA\_W  
ClientSampleId :  
BG585RE

Manual Integrations  
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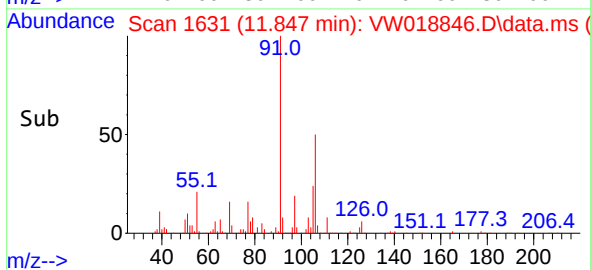
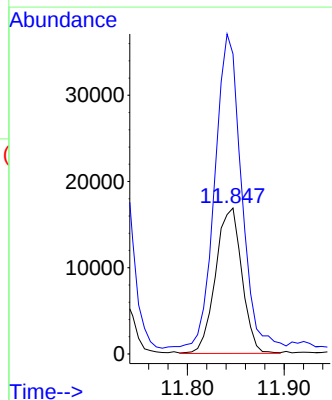
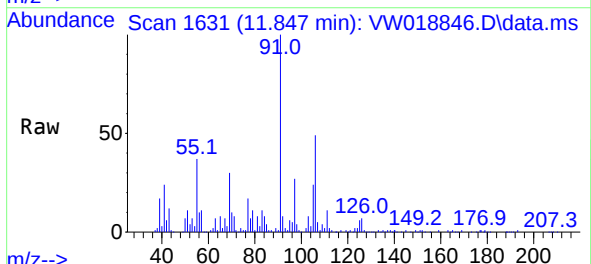
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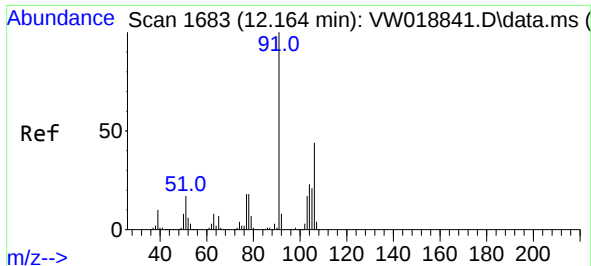
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#53  
m,p-Xylene  
Concen: 4.48 ug/L  
RT: 11.847 min Scan# 1631  
Delta R.T. 0.006 min  
Lab File: VW018846.D  
Acq: 29 Apr 2021 15:30

Tgt Ion:106 Resp: 31797  
Ion Ratio Lower Upper  
106 100  
91 205.6 141.3 262.3



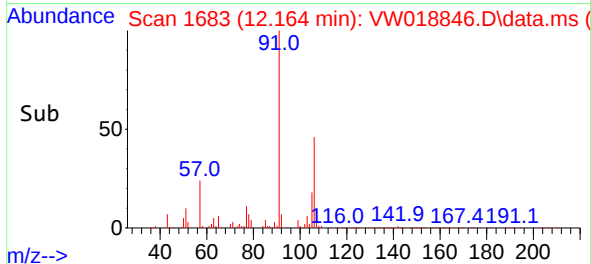
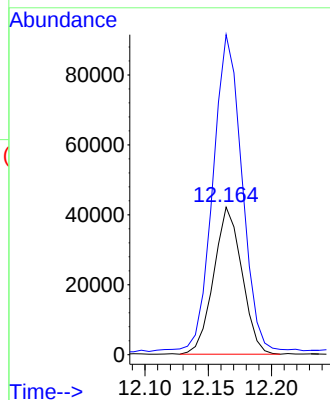
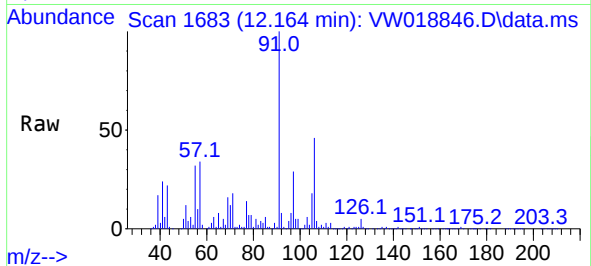


#54  
o-Xylene  
Concen: 9.64 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW018846.D  
Acq: 29 Apr 2021 15:30

Tgt Ion:106 Resp: 65192  
Ion Ratio Lower Upper  
106 100  
91 217.0 150.0 278.6

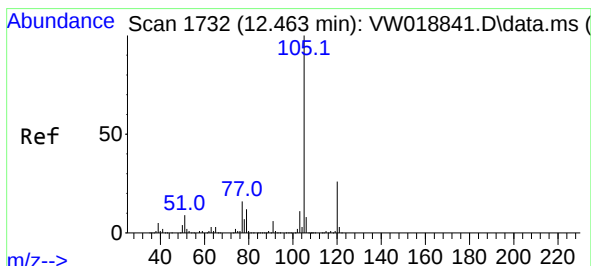
Instrument :  
MSVOA\_W  
ClientSampled :  
BG585RE

Manual Integrations  
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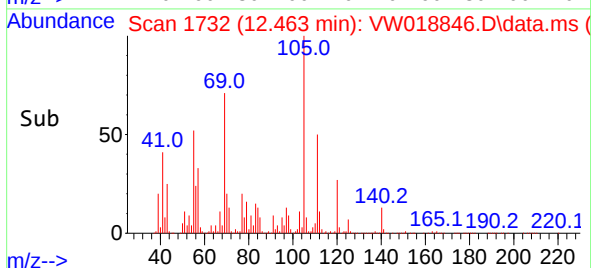
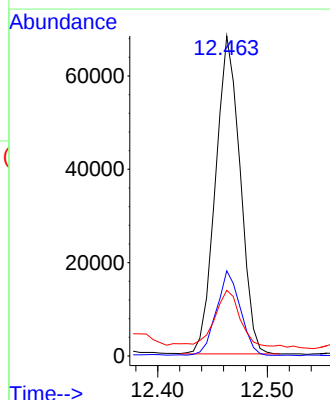
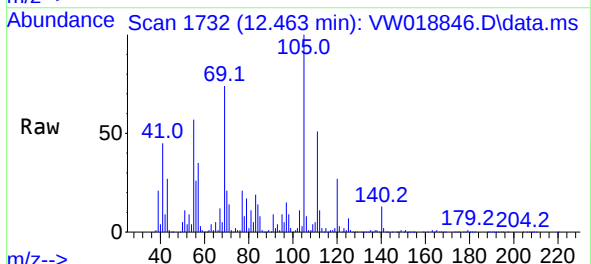
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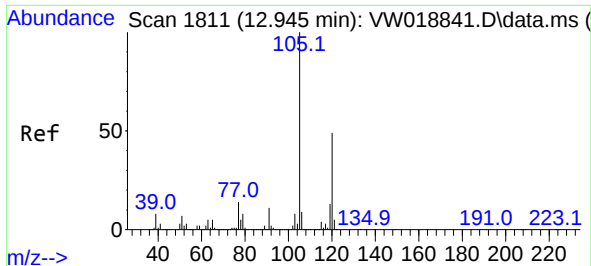
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#60  
Isopropylbenzene  
Concen: 10.58 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW018846.D  
Acq: 29 Apr 2021 15:30

Tgt Ion:105 Resp: 106302  
Ion Ratio Lower Upper  
105 100  
120 25.6 21.1 31.7  
77 17.4 13.2 19.8



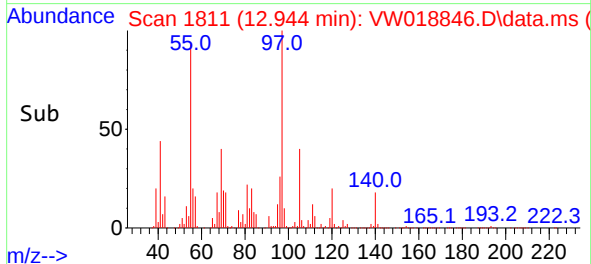
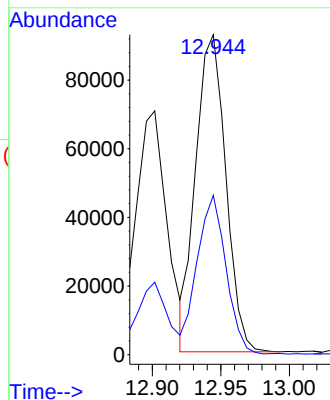
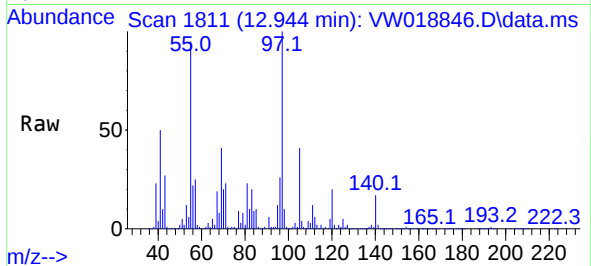


#62  
1,3,5-Trimethylbenzene  
Concen: 16.80 ug/L  
RT: 12.944 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: VW018846.D  
Acq: 29 Apr 2021 15:30

Instrument :  
MSVOA\_W  
ClientSampled :  
BG585RE

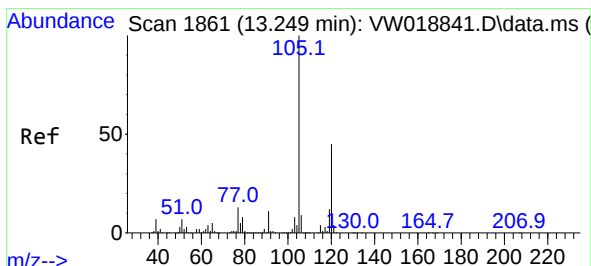
Tgt Ion:105 Resp: 140944  
Ion Ratio Lower Upper  
105 100  
120 48.2 39.0 58.6

Manual Integrations  
APPROVED



MMDadoda

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#63  
1,2,4-Trimethylbenzene  
Concen: 43.35 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. -0.000 min  
Lab File: VW018846.D  
Acq: 29 Apr 2021 15:30

Tgt Ion:105 Resp: 363849  
Ion Ratio Lower Upper  
105 100  
120 44.3 35.6 53.4

