

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042921\  
 Data File : VW018850.D  
 Acq On : 29 Apr 2021 17:06  
 Operator : SY/VA  
 Sample : M2177-22  
 Misc : 5.18G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 BG592

Manual Integrations  
 APPROVED

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 4/30/2021 4:52:23 PM

Quant Time: Apr 30 02:12:09 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  | 691280     | 25.00   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 479706     | 25.00   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 161272     | 25.00   | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 2.349          | 65   | 209567     | 23.63   | ug/L   | -0.01    |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 94.52%  |        |          |
| 7) Chloroethane-d5            | 2.885          | 69   | 168179     | 24.48   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 97.92%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.013          | 63   | 295351     | 16.77   | ug/L   | -0.01    |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 67.08%  |        |          |
| 21) 2-Butanone-d5             | 7.098          | 46   | 90067      | 38.99   | ug/L   | 0.01     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 77.98%  |        |          |
| 24) Chloroform-d              | 7.653          | 84   | 380934     | 20.99   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 83.96%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 213001m    | 21.02   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 84.08%  |        |          |
| 32) Benzene-d6                | 8.275          | 84   | 780466     | 28.79   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 115.16% |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.275          | 67   | 224199     | 27.88   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 111.52% |        |          |
| 41) Toluene-d8                | 10.323         | 98   | 652571     | 25.82   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 103.28% |        |          |
| 43) trans-1,3-Dichloroprop... | 10.579         | 79   | 58946      | 16.13   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 64.52%  |        |          |
| 47) 2-Hexanone-d5             | 10.927         | 63   | 78355      | 54.42   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 108.84% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695         | 84   | 148798     | 21.84   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 87.36%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 118661     | 21.47   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 85.88%  |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 13) Acetone                   | 4.178          | 43   | 35715      | 20.18   | ug/L   | 85       |
| 14) Carbon disulfide          | 4.379          | 76   | 63365      | 2.39    | ug/L   | 97       |
| 16) Methylene chloride        | 4.922          | 84   | 32563      | 2.85    | ug/L   | 93       |
| 22) 2-Butanone                | 7.196          | 43   | 11437      | 4.66    | ug/L   | 92       |
| 29) Cyclohexane               | 7.958          | 56   | 3899       | 0.34    | ug/L # | 96       |
| 35) Methylcyclohexane         | 9.336          | 83   | 8148       | 0.60    | ug/L # | 42       |
| 42) Toluene                   | 10.390         | 91   | 17982      | 0.57    | ug/L   | 97       |
| 52) Ethylbenzene              | 11.731         | 91   | 11732      | 0.33    | ug/L   | 88       |
| 53) m,p-Xylene                | 11.841         | 106  | 5331       | 0.41    | ug/L   | 79       |
| 54) o-Xylene                  | 12.164         | 106  | 7192       | 0.58    | ug/L   | 90       |
| 60) Isopropylbenzene          | 12.463         | 105  | 21810      | 0.95    | ug/L # | 44       |
| 62) 1,3,5-Trimethylbenzene    | 12.939         | 105  | 8689       | 0.45    | ug/L   | 95       |
| 63) 1,2,4-Trimethylbenzene    | 13.249         | 105  | 24220      | 1.26    | ug/L   | 99       |
| -----                         |                |      |            |         |        |          |

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

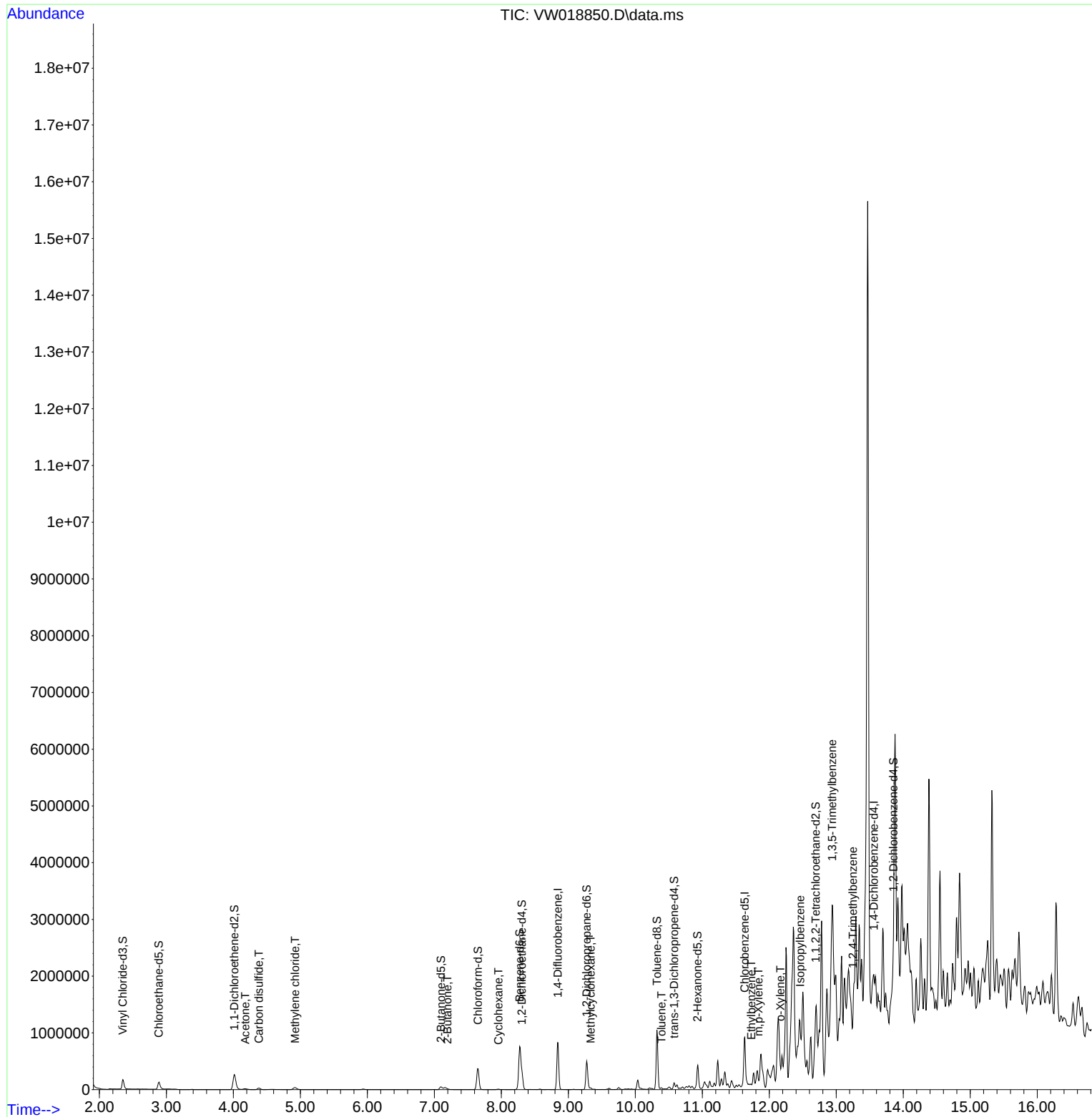
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Data File : VW018850.D  
Acq On : 29 Apr 2021 17:06  
Operator : SY/VA  
Sample : M2177-22  
Misc : 5.18G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

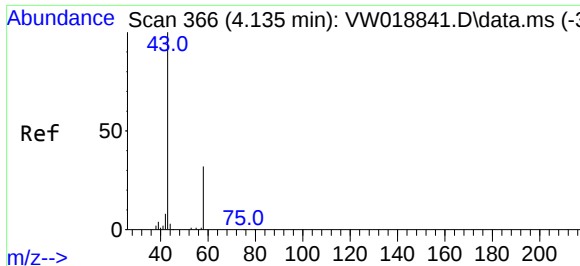
Instrument :  
MSVOA\_W  
ClientSampleId :  
BG592

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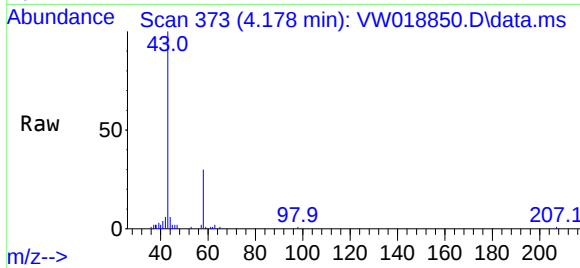
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Quant Time: Apr 30 02:12:09 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM042921SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Apr 30 02:09:50 2021  
Response via : Initial Calibration

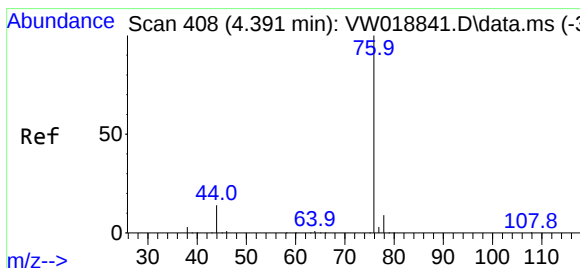
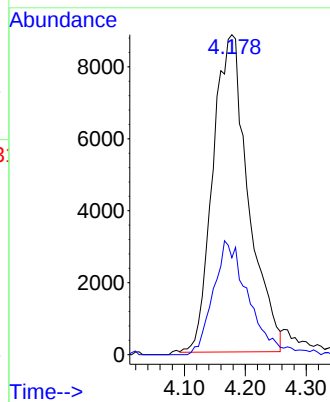
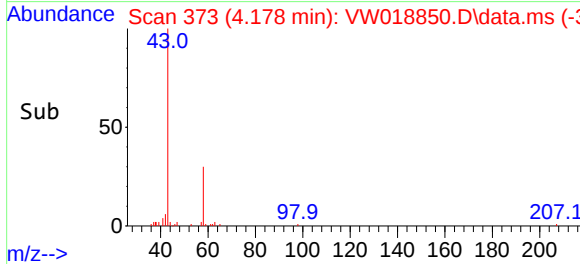




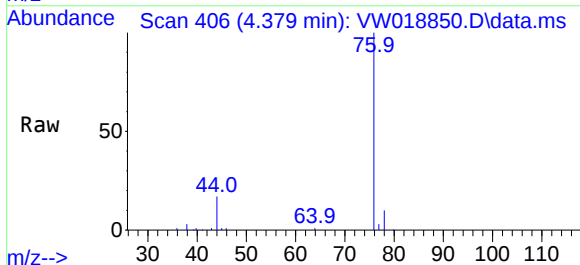
#13  
Acetone  
Concen: 20.18 ug/L  
RT: 4.178 min Scan# 373  
Delta R.T. 0.043 min  
Lab File: VW018850.D  
Acq: 29 Apr 2021 17:06



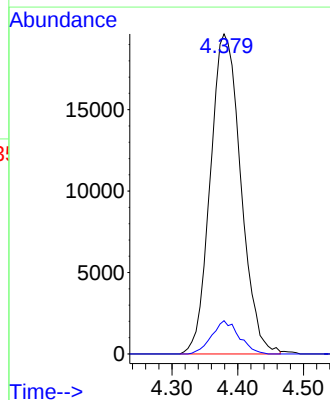
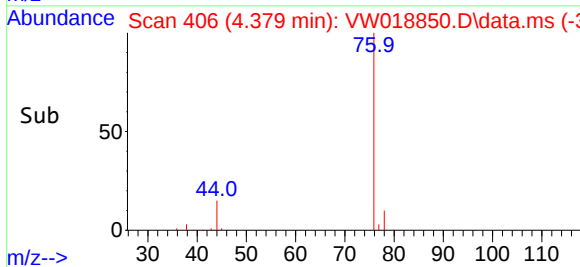
Tgt Ion: 43 Resp: 35715  
Ion Ratio Lower Upper  
43 100  
58 19.2 0.0 53.8



#14  
Carbon disulfide  
Concen: 2.39 ug/L  
RT: 4.379 min Scan# 406  
Delta R.T. -0.012 min  
Lab File: VW018850.D  
Acq: 29 Apr 2021 17:06



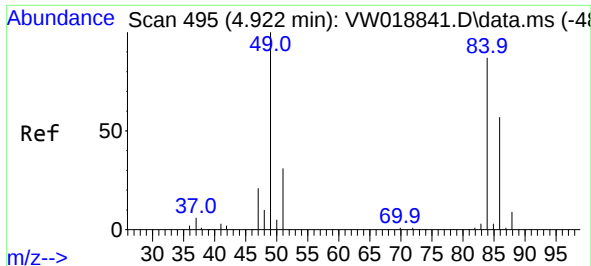
Tgt Ion: 76 Resp: 63365  
Ion Ratio Lower Upper  
76 100  
78 10.4 7.4 11.0



Instrument :  
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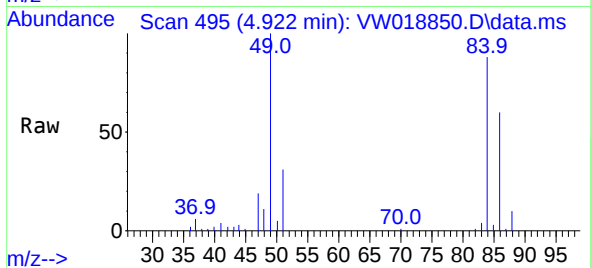
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#16  
Methylene chloride  
Concen: 2.85 ug/L  
RT: 4.922 min Scan# 495  
Delta R.T. 0.000 min  
Lab File: VW018850.D  
Acq: 29 Apr 2021 17:06

Instrument :  
MSVOA\_W  
ClientSampled :  
BG592

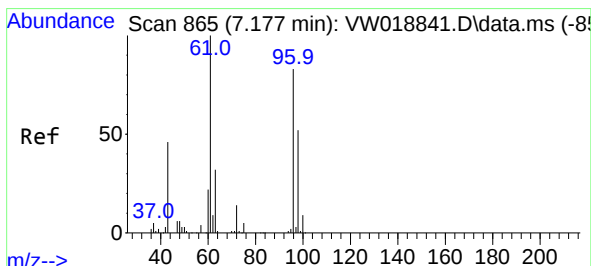
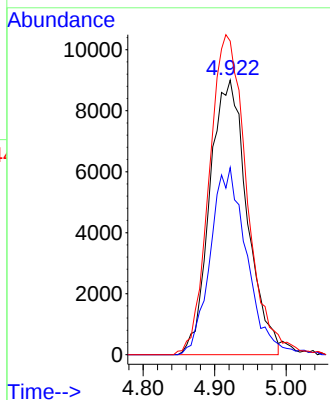
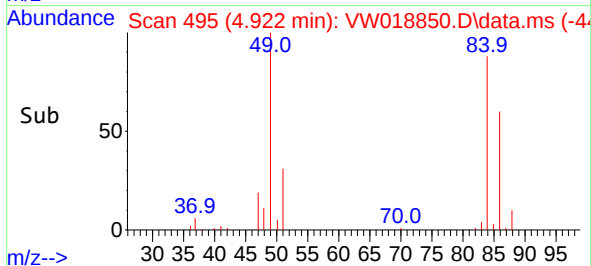


Tgt Ion: 84 Resp: 32563

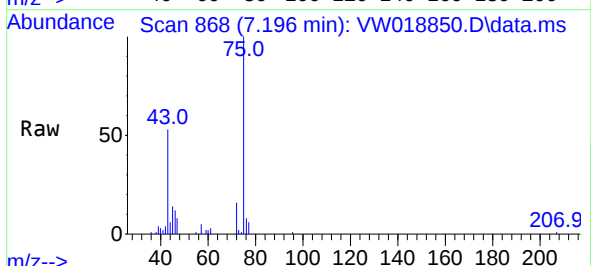
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 86  | 68.1  | 45.3  | 84.1  |
| 49  | 114.2 | 86.6  | 160.8 |

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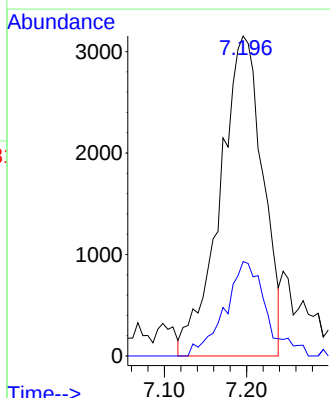
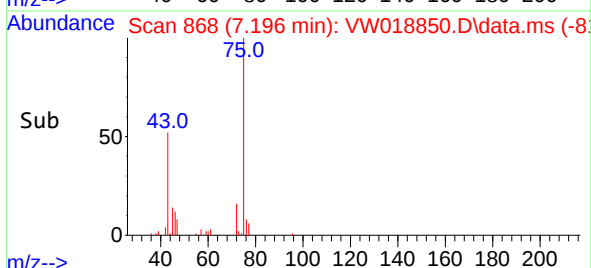


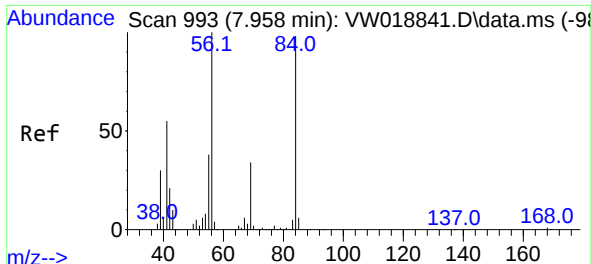
#22  
2-Butanone  
Concen: 4.66 ug/L  
RT: 7.196 min Scan# 868  
Delta R.T. 0.018 min  
Lab File: VW018850.D  
Acq: 29 Apr 2021 17:06



Tgt Ion: 43 Resp: 11437

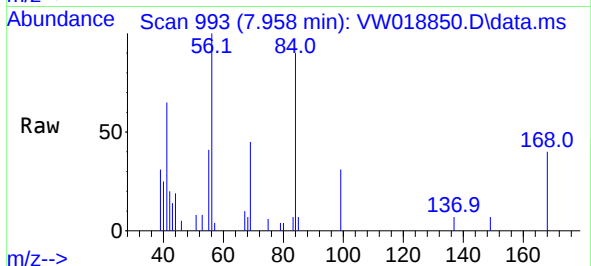
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 25.6  | 14.9  | 44.7  |





#29  
Cyclohexane  
Concen: 0.34 ug/L  
RT: 7.958 min Scan# 993  
Delta R.T. 0.000 min  
Lab File: VW018850.D  
Acq: 29 Apr 2021 17:06

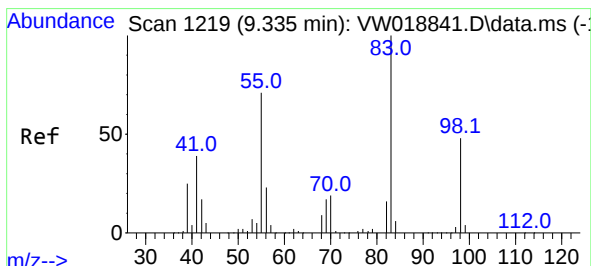
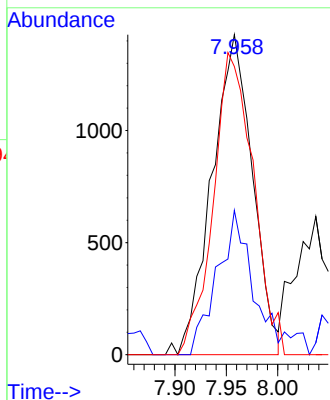
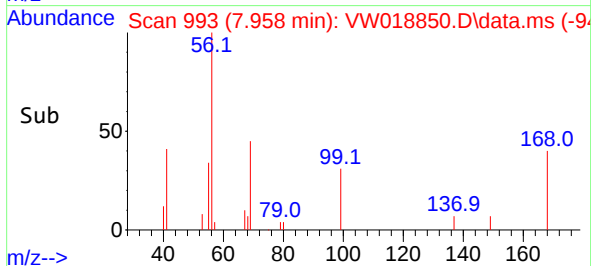
Instrument :  
MSVOA\_W  
ClientSampleId :  
BG592



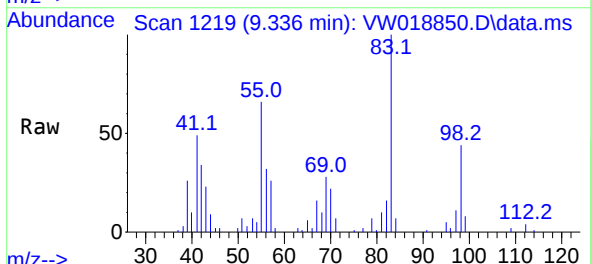
Tgt Ion: 56 Resp: 3899  
Ion Ratio Lower Upper  
56 100  
69 22.8 24.5 36.7#  
84 93.3 75.0 112.4

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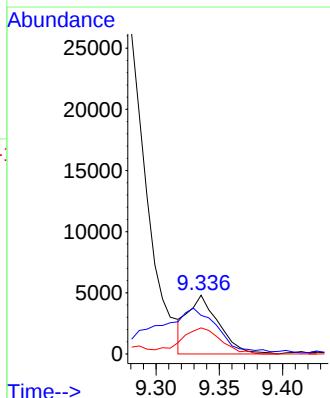
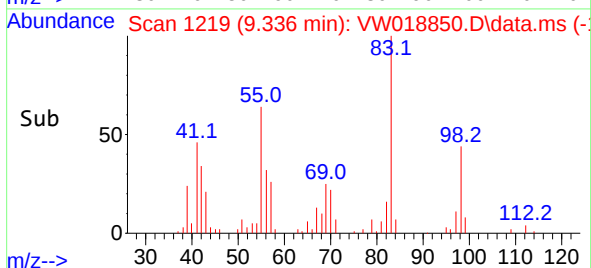
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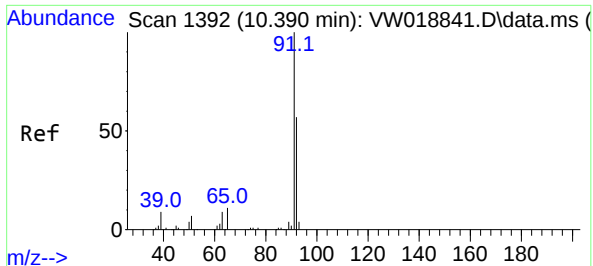


#35  
Methylcyclohexane  
Concen: 0.60 ug/L  
RT: 9.336 min Scan# 1219  
Delta R.T. 0.000 min  
Lab File: VW018850.D  
Acq: 29 Apr 2021 17:06

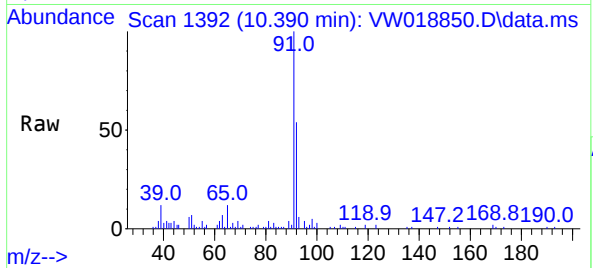


Tgt Ion: 83 Resp: 8148  
Ion Ratio Lower Upper  
83 100  
55 150.0 58.9 88.3#  
98 57.3 40.1 60.1

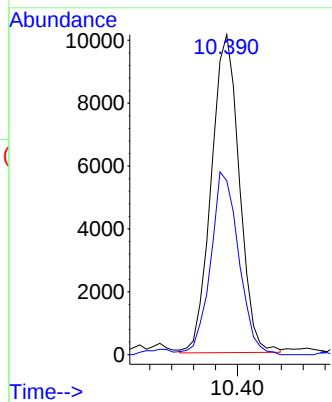
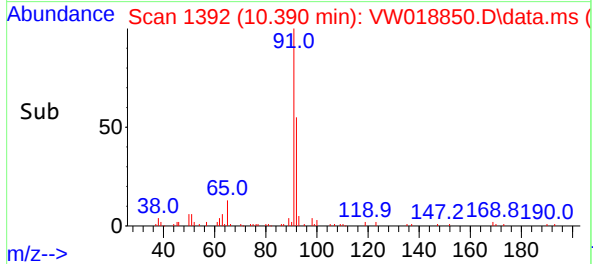




#42  
Toluene  
Concen: 0.57 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VW018850.D  
Acq: 29 Apr 2021 17:06



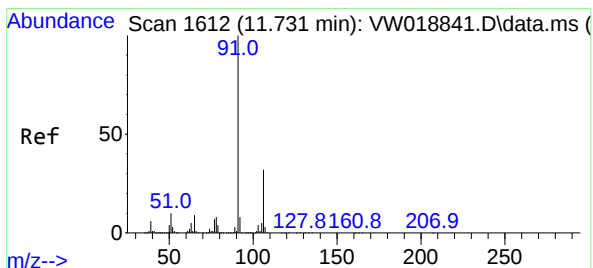
Tgt Ion: 91 Resp: 17982  
Ion Ratio Lower Upper  
91 100  
92 54.4 39.5 73.3



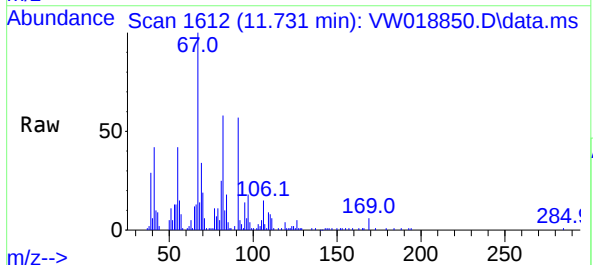
Instrument :  
MSVOA\_W  
ClientSampled :  
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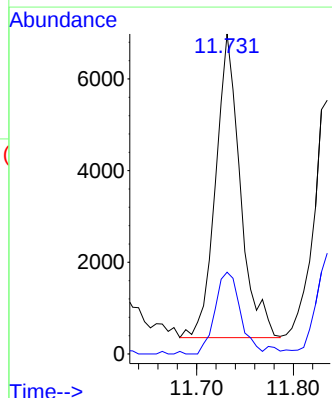
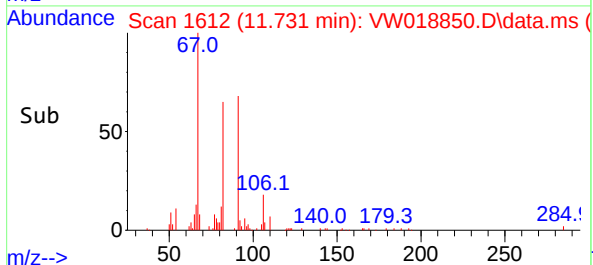
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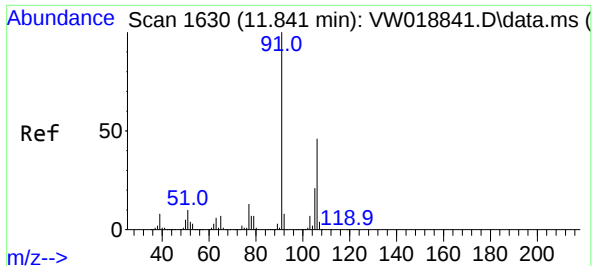


#52  
Ethylbenzene  
Concen: 0.33 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW018850.D  
Acq: 29 Apr 2021 17:06



Tgt Ion: 91 Resp: 11732  
Ion Ratio Lower Upper  
91 100  
106 25.6 22.5 41.7





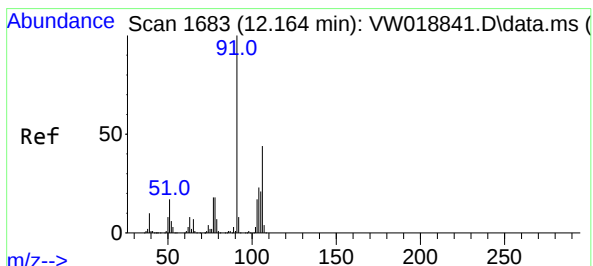
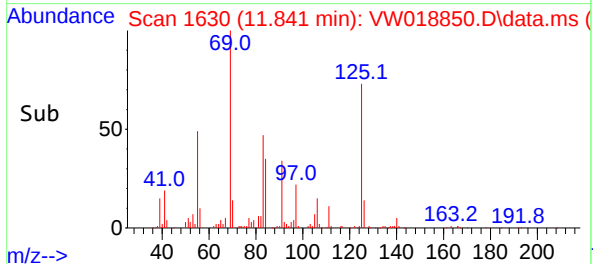
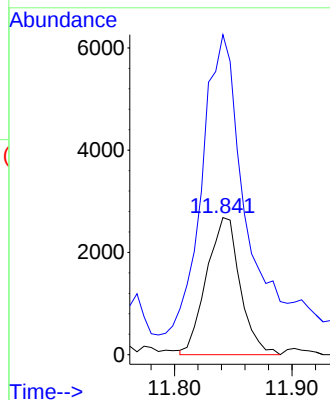
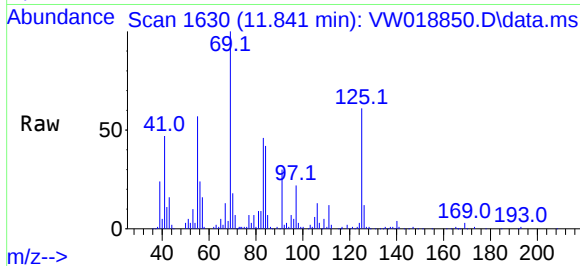
#53  
m,p-Xylene  
Concen: 0.41 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. 0.000 min  
Lab File: VW018850.D  
Acq: 29 Apr 2021 17:06

Tgt Ion:106 Resp: 5331  
Ion Ratio Lower Upper  
106 100  
91 233.5 141.3 262.3

Instrument :  
MSVOA\_W  
ClientSampled :  
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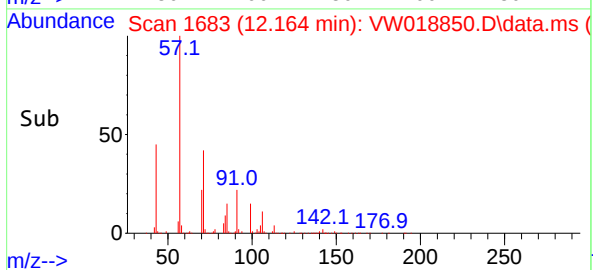
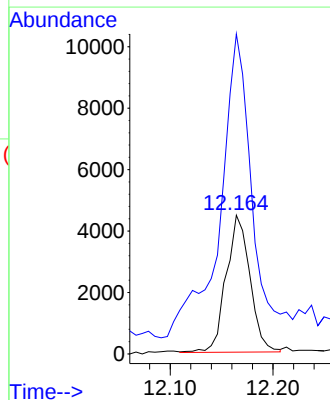
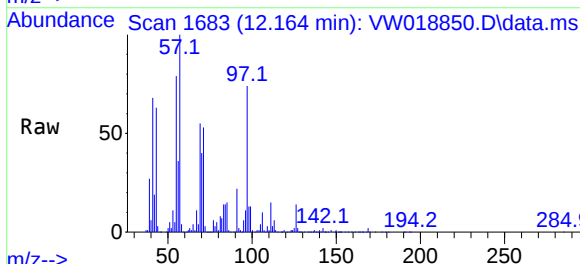
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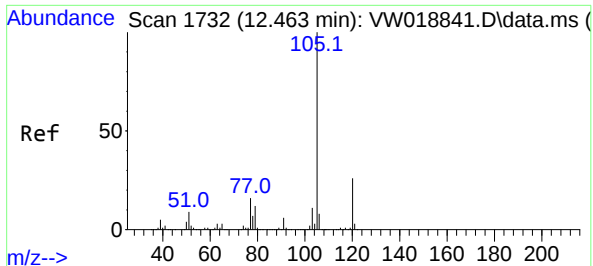
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4/30/2021 4:52:23 PM



#54  
o-Xylene  
Concen: 0.58 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VW018850.D  
Acq: 29 Apr 2021 17:06

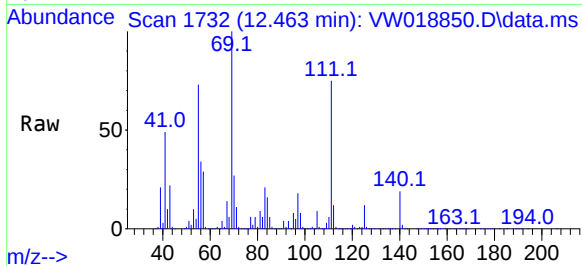
Tgt Ion:106 Resp: 7192  
Ion Ratio Lower Upper  
106 100  
91 230.8 150.0 278.6





#60  
Isopropylbenzene  
Concen: 0.95 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VW018850.D  
Acq: 29 Apr 2021 17:06

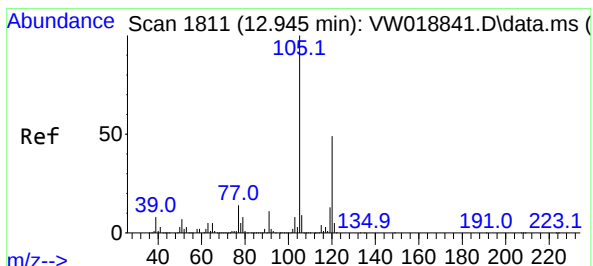
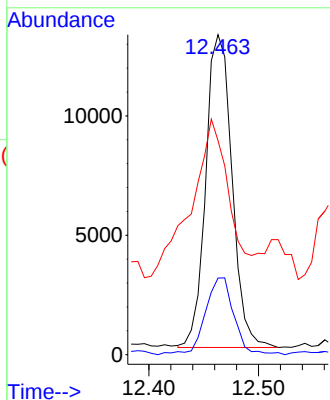
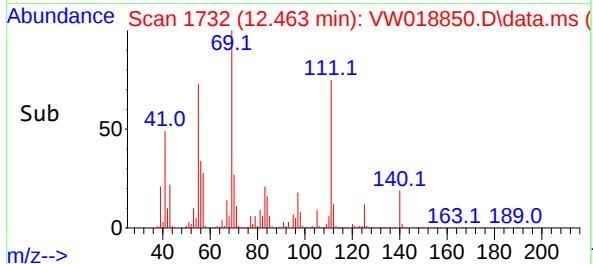
Instrument :  
MSVOA\_W  
ClientSampled :  
BG592



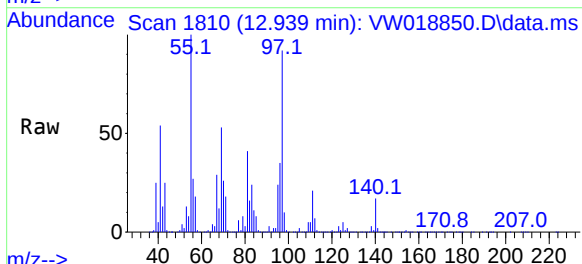
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77 76.6 13.2 19.8#

Manual Integrations  
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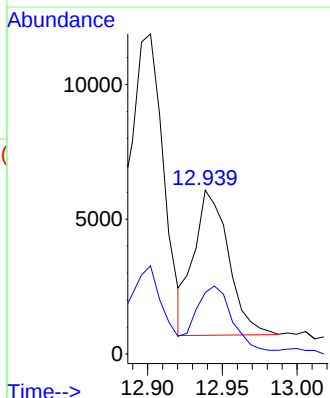
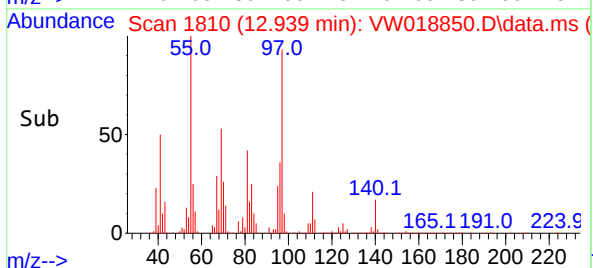
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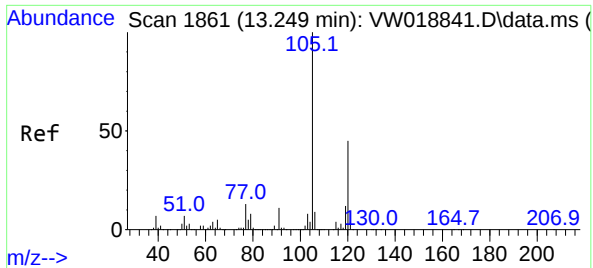


#62  
1,3,5-Trimethylbenzene  
Concen: 0.45 ug/L  
RT: 12.939 min Scan# 1810  
Delta R.T. -0.006 min  
Lab File: VW018850.D  
Acq: 29 Apr 2021 17:06



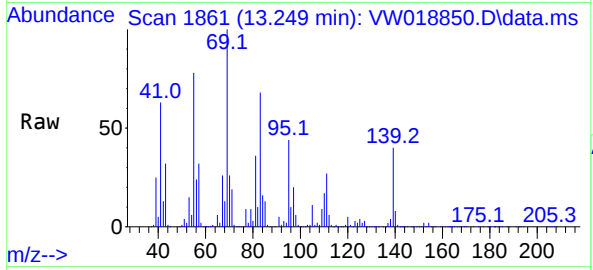
Tgt Ion:105 Resp: 8689  
Ion Ratio Lower Upper  
105 100  
120 45.1 39.0 58.6





#63  
 1,2,4-Trimethylbenzene  
 Concen: 1.26 ug/L  
 RT: 13.249 min Scan# 1861  
 Delta R.T. 0.000 min  
 Lab File: VW018850.D  
 Acq: 29 Apr 2021 17:06

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG592



Tgt Ion:105 Resp: 24220  
 Ion Ratio Lower Upper  
 105 100  
 120 45.1 35.6 53.4

Manual Integrations  
 APPROVED

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