

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071224\  
 Data File : VW029558.D  
 Acq On : 12 Jul 2024 18:20  
 Operator : SY/MD  
 Sample : P3230-03  
 Misc : 5.04g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BHB34

Quant Time: Jul 12 23:28:31 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jul 12 23:17:28 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/15/2024  
 Supervised By :Semsettin Yesilyurt 07/15/2024

| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) 1,4-Difluorobenzene        | 8.843          | 114  | 413426     | 25.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.635         | 117  | 313982     | 25.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556         | 152  | 136451     | 25.000    | ug/L   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 4) Vinyl Chloride-d3          | 2.369          | 65   | 109685     | 16.423    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 65.680%   |        |          |
| 7) Chloroethane-d5            | 2.899          | 69   | 78677      | 16.361    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 65.440%   |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.027          | 65   | 47823      | 15.946    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 63.800%   |        |          |
| 21) 2-Butanone-d5             | 7.087          | 46   | 91114      | 45.447    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 90.900%   |        |          |
| 24) Chloroform-d              | 7.648          | 84   | 195261     | 16.337    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 65.360%   |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.307          | 65   | 125787     | 17.943    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 71.760%   |        |          |
| 32) Benzene-d6                | 8.276          | 84   | 385453     | 20.493    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 81.960%   |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.276          | 67   | 125006     | 20.786    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 83.160%   |        |          |
| 41) Toluene-d8                | 10.325         | 98   | 340862     | 20.606    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 82.440%   |        |          |
| 43) trans-1,3-Dichloroprop... | 10.581         | 79   | 53581      | 21.039    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 84.160%   |        |          |
| 47) 2-Hexanone-d5             | 10.928         | 63   | 9119m      | 8.344     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 16.680%#  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690         | 84   | 104968     | 21.497    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 86.000%   |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.855         | 152  | 92188      | 19.400    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 77.600%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 5) Vinyl chloride             | 2.375          | 62   | 1599806    | 258.816   | ug/L   | 93       |
| 13) Acetone                   | 4.118          | 43   | 14263      | 7.049     | ug/L   | 94       |
| 14) Carbon disulfide          | 4.399          | 76   | 10928      | 0.655     | ug/L   | 96       |
| 16) Methylene chloride        | 4.929          | 84   | 20734      | 2.801     | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.435          | 96   | 40039      | 7.035     | ug/L   | 94       |
| 19) 1,1-Dichloroethane        | 6.222          | 63   | 6913       | 0.591     | ug/L   | 92       |
| 20) cis-1,2-Dichloroethene    | 7.167          | 96   | 16336645   | 2624.894  | ug/L   | 96       |
| 30) 1,1,1-Trichloroethane     | 7.880          | 97   | 5005       | 0.698     | ug/L   | 97       |
| 34) Trichloroethene           | 9.093          | 95   | 12599058   | 2428.625  | ug/L   | 93       |
| 35) Methylcyclohexane         | 9.337          | 83   | 7952       | 0.954     | ug/L # | 85       |
| 42) Toluene                   | 10.392         | 91   | 1424139    | 70.862    | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.873         | 164  | 42887397m  | 11636.398 | ug/L   |          |
| 52) Ethylbenzene              | 11.733         | 91   | 143434     | 6.299     | ug/L   | 95       |
| 53) m,p-Xylene                | 11.837         | 106  | 339516     | 40.618    | ug/L   | 95       |
| 54) o-Xylene                  | 12.166         | 106  | 130275     | 16.851    | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940         | 105  | 82263      | 6.024     | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.251         | 105  | 100270     | 6.652     | ug/L   | 99       |
| -----                         |                |      |            |           |        |          |

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Sample : P3230-03  
Misc : 5.04g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BHB34

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/15/2024  
Supervised By :Semsettin Yesilyurt 07/15/2024

Quant Time: Jul 12 23:28:31 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070824SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Jul 12 23:17:28 2024  
Response via : Initial Calibration

| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

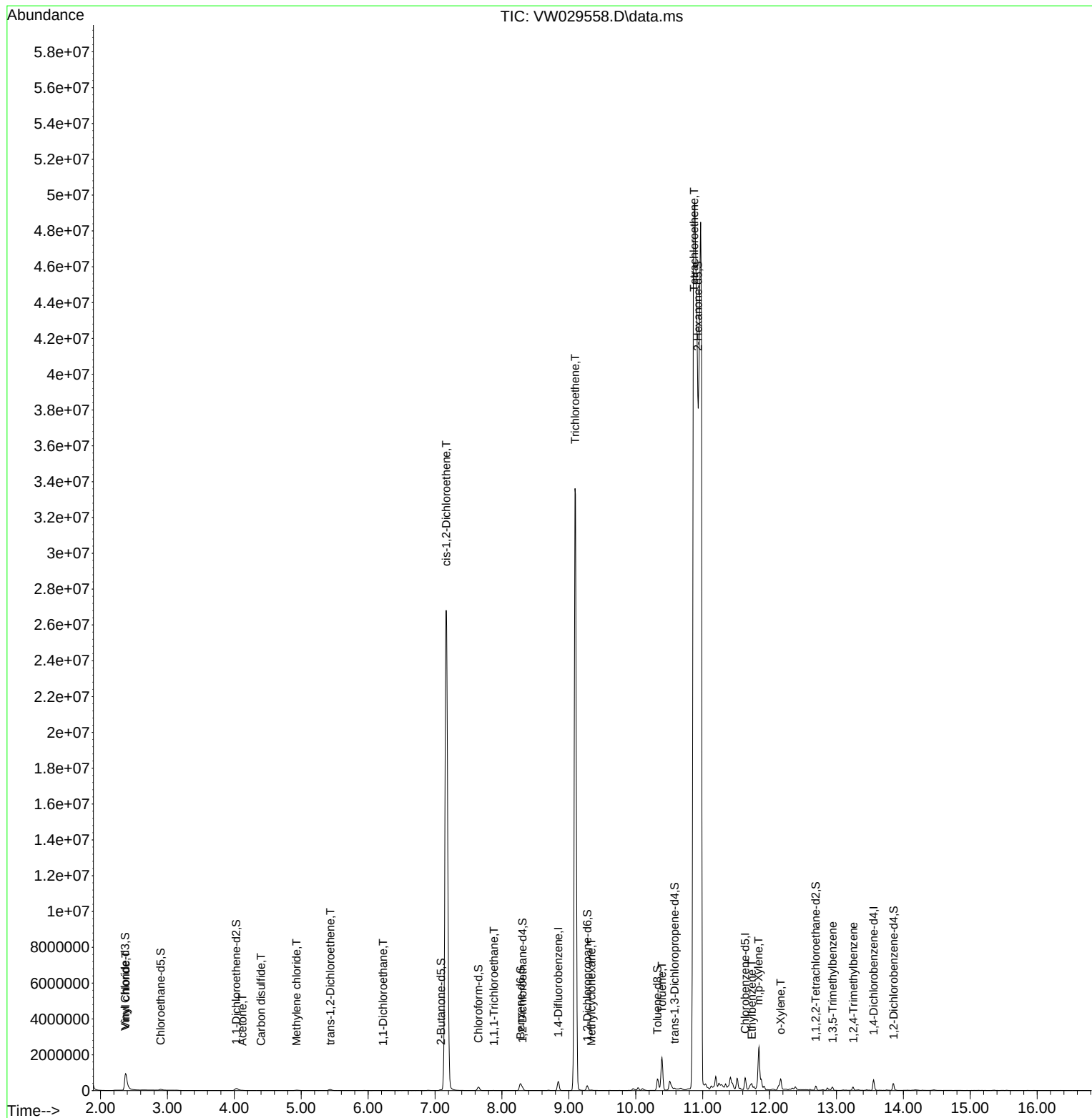
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Data File : VW029558.D  
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Operator : SY/MD  
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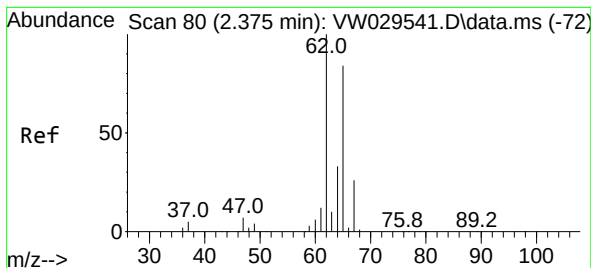
Instrument :  
MSVOA\_W  
ClientSampleId :  
BHB34

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 258.816 ug/L

RT: 2.375 min Scan# 80

Delta R.T. -0.000 min

Lab File: VW029558.D

Acq: 12 Jul 2024 18:20

Instrument :

MSVOA\_W

ClientSampleId :

BHB34

Tgt Ion: 62 Resp: 1599806

Ion Ratio Lower Upper

62 100

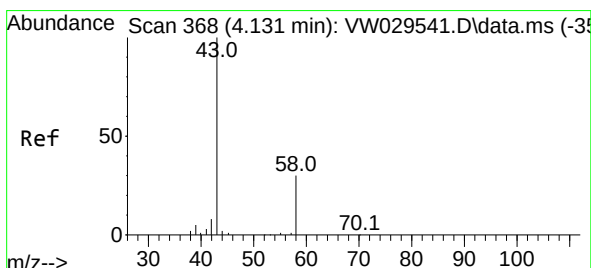
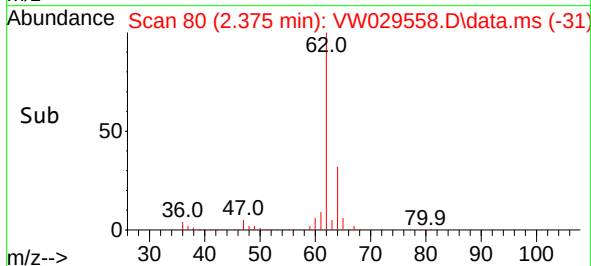
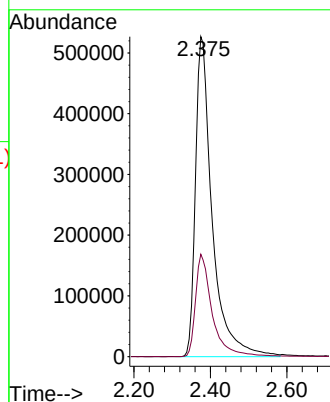
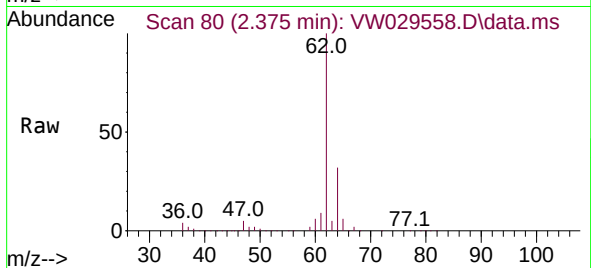
64 32.0 25.1 46.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/15/2024

Supervised By :Semsettin Yesilyurt 07/15/2024



#13

Acetone

Concen: 7.049 ug/L

RT: 4.118 min Scan# 366

Delta R.T. -0.012 min

Lab File: VW029558.D

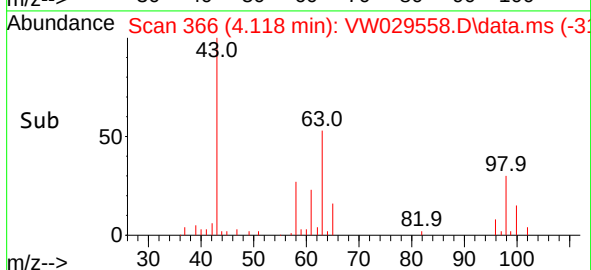
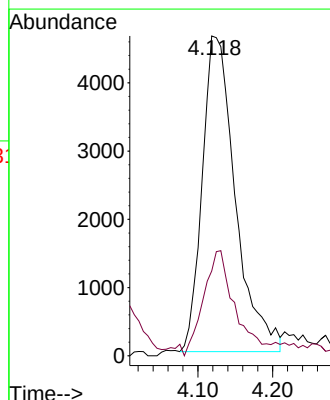
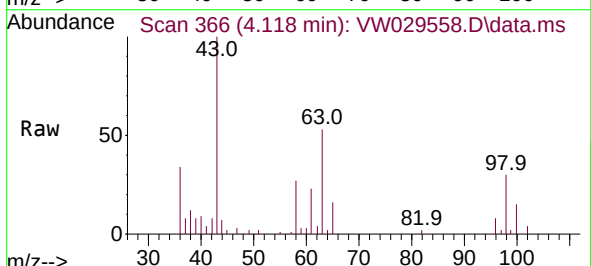
Acq: 12 Jul 2024 18:20

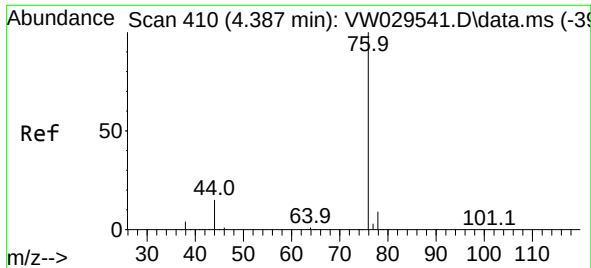
Tgt Ion: 43 Resp: 14263

Ion Ratio Lower Upper

43 100

58 31.0 0.0 55.6





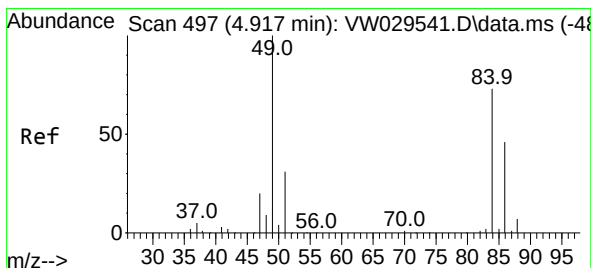
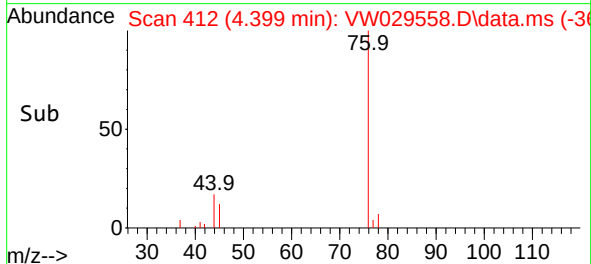
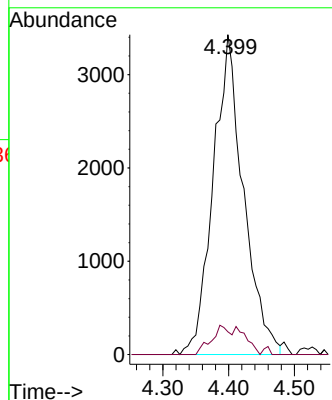
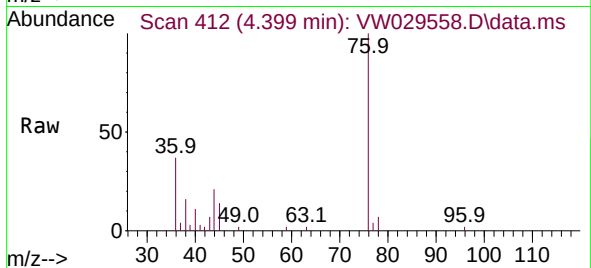
#14  
Carbon disulfide  
Concen: 0.655 ug/L  
RT: 4.399 min Scan# 410  
Delta R.T. 0.012 min  
Lab File: VW029558.D  
Acq: 12 Jul 2024 18:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
BHB34

Tgt Ion: 76 Resp: 10928  
Ion Ratio Lower Upper  
76 100  
78 7.1 7.0 10.4

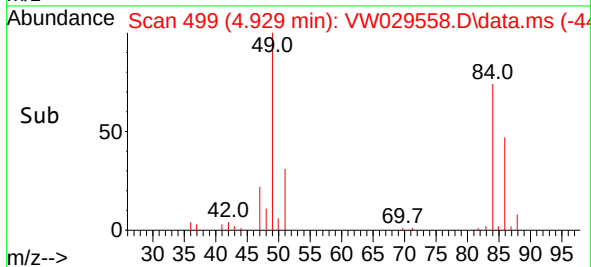
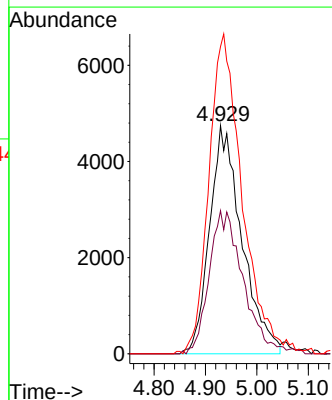
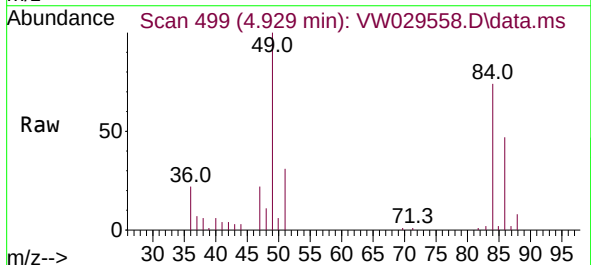
Manual Integrations  
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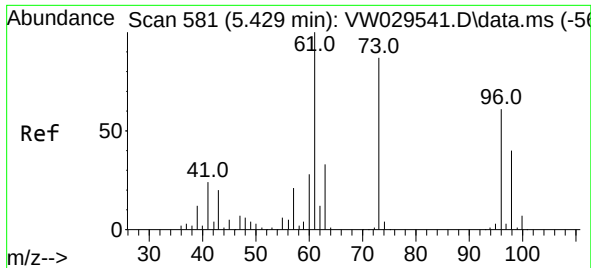
Reviewed By :Mahesh Dadoda 07/15/2024  
Supervised By :Semsettin Yesilyurt 07/15/2024



#16  
Methylene chloride  
Concen: 2.801 ug/L  
RT: 4.929 min Scan# 499  
Delta R.T. 0.012 min  
Lab File: VW029558.D  
Acq: 12 Jul 2024 18:20

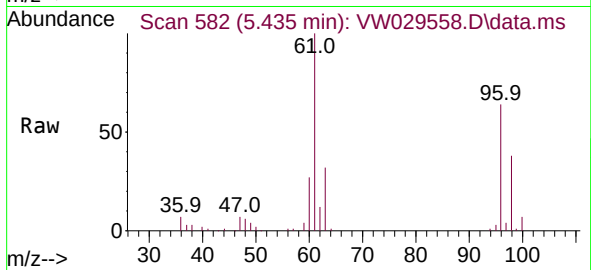
Tgt Ion: 84 Resp: 20734  
Ion Ratio Lower Upper  
84 100  
86 62.7 46.2 85.8  
49 134.7 96.7 179.7





#17  
trans-1,2-Dichloroethene  
Concen: 7.035 ug/L  
RT: 5.435 min Scan# 581  
Delta R.T. 0.006 min  
Lab File: VW029558.D  
Acq: 12 Jul 2024 18:20

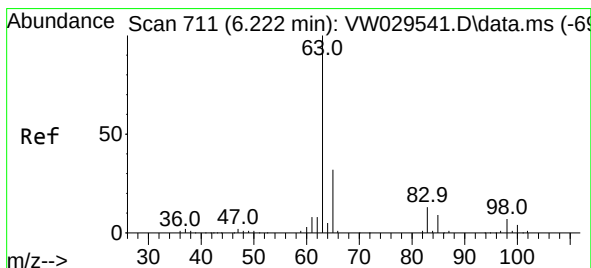
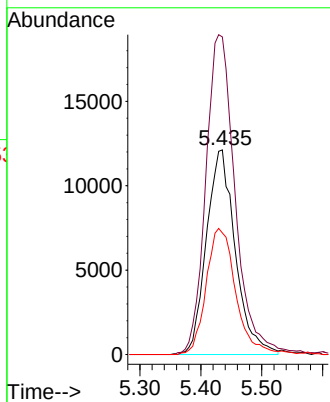
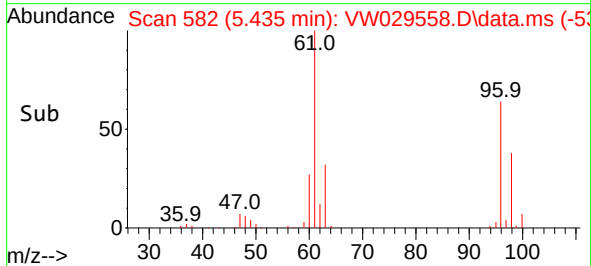
Instrument :  
MSVOA\_W  
ClientSampleId :  
BHB34



Tgt Ion: 96 Resp: 40039  
Ion Ratio Lower Upper  
96 100  
61 155.1 102.9 191.1  
98 59.4 43.9 81.5

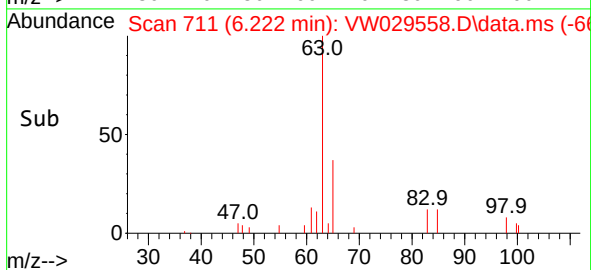
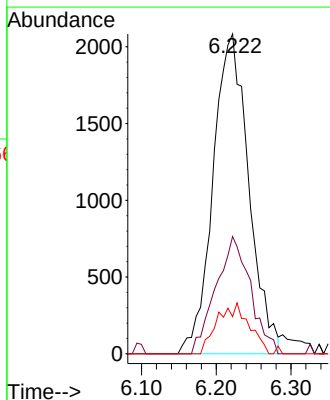
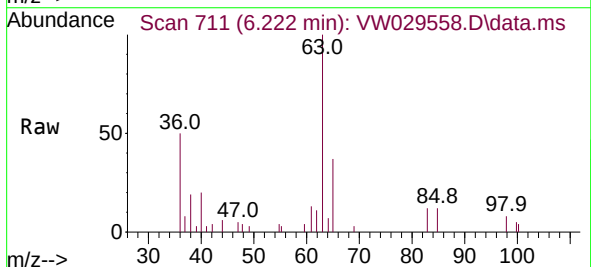
Manual Integrations  
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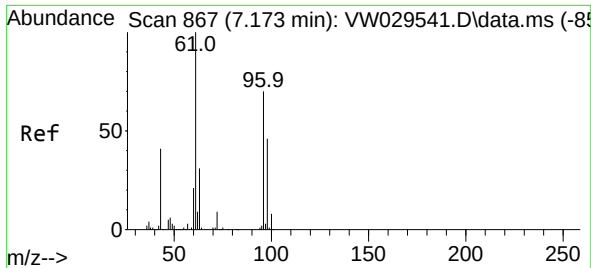
Reviewed By :Mahesh Dadoda 07/15/2024  
Supervised By :Semsettin Yesilyurt 07/15/2024



#19  
1,1-Dichloroethane  
Concen: 0.591 ug/L  
RT: 6.222 min Scan# 711  
Delta R.T. -0.000 min  
Lab File: VW029558.D  
Acq: 12 Jul 2024 18:20

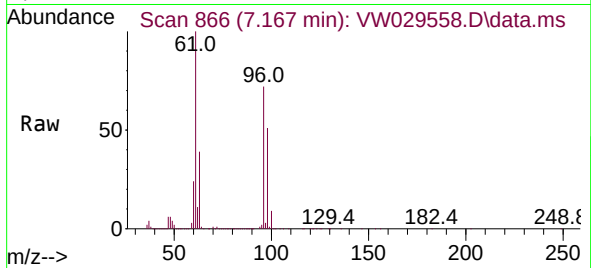
Tgt Ion: 63 Resp: 6913  
Ion Ratio Lower Upper  
63 100  
65 36.7 21.5 39.9  
83 11.6 8.7 16.1





#20  
cis-1,2-Dichloroethene  
Concen: 2624.894 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. -0.006 min  
Lab File: VW029558.D  
Acq: 12 Jul 2024 18:20

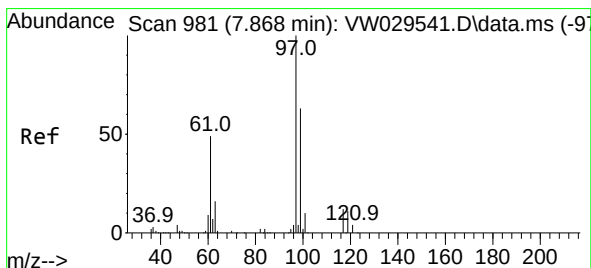
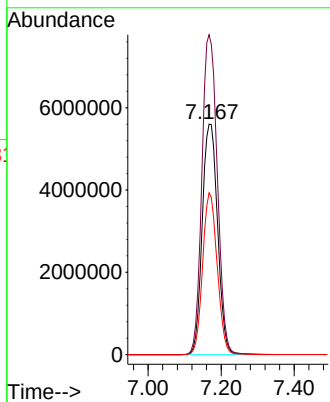
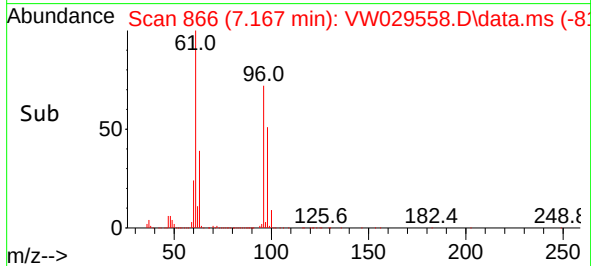
Instrument :  
MSVOA\_W  
ClientSampleId :  
BHB34



Tgt Ion: 96 Resp:1633664  
Ion Ratio Lower Upper  
96 100  
61 138.9 97.4 180.8  
98 70.2 41.6 77.2

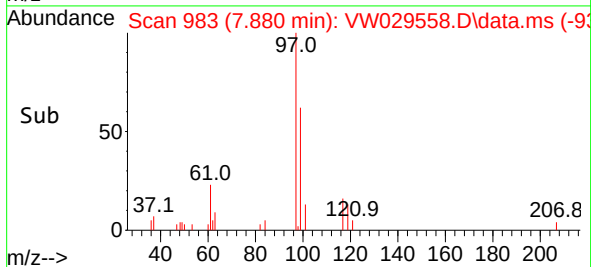
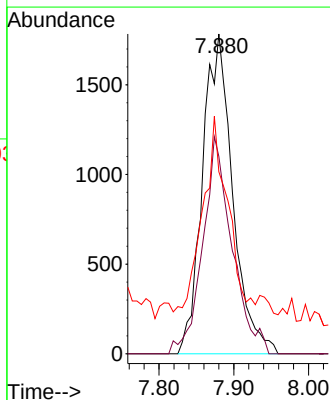
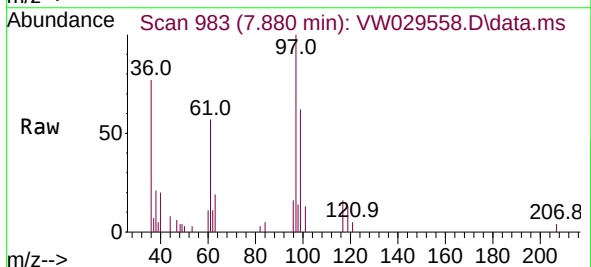
Manual Integrations  
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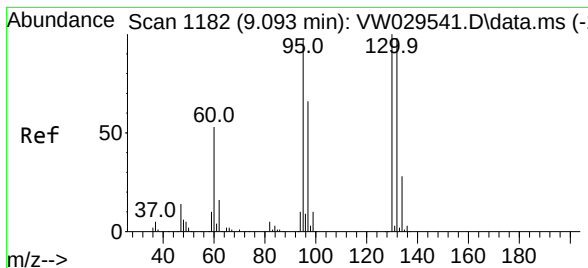
Reviewed By :Mahesh Dadoda 07/15/2024  
Supervised By :Semsettin Yesilyurt 07/15/2024



#30  
1,1,1-Trichloroethane  
Concen: 0.698 ug/L  
RT: 7.880 min Scan# 983  
Delta R.T. 0.012 min  
Lab File: VW029558.D  
Acq: 12 Jul 2024 18:20

Tgt Ion: 97 Resp: 5005  
Ion Ratio Lower Upper  
97 100  
99 63.4 51.1 76.7  
61 46.3 40.6 61.0





#34

Trichloroethene

Concen: 2428.625 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW029558.D

Acq: 12 Jul 2024 18:20

Instrument :

MSVOA\_W

ClientSampleId :

BHB34

Tgt Ion: 95 Resp:12599058

Ion Ratio Lower Upper

95 100

97 68.7 47.3 87.9

132 82.3 65.8 122.2

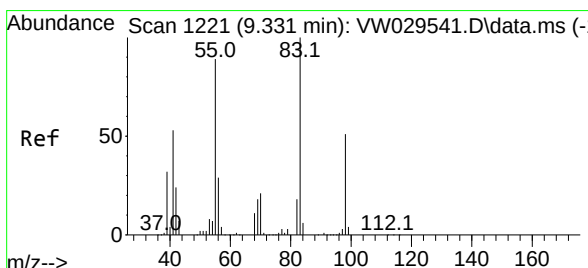
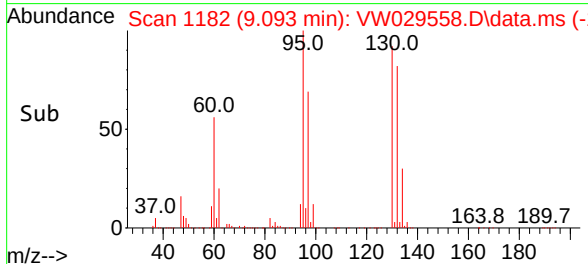
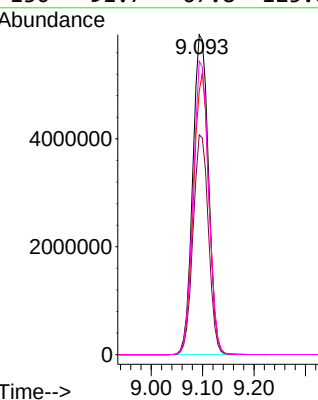
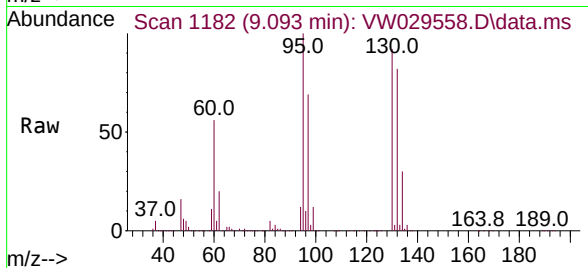
130 91.7 67.8 125.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/15/2024

Supervised By :Semsettin Yesilyurt 07/15/2024



#35

Methylcyclohexane

Concen: 0.954 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW029558.D

Acq: 12 Jul 2024 18:20

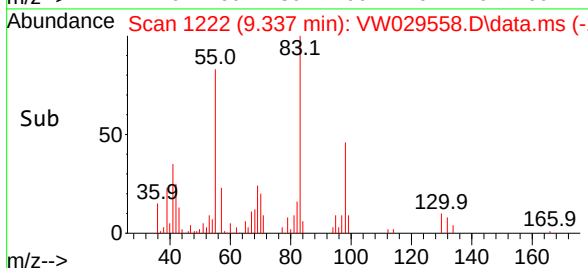
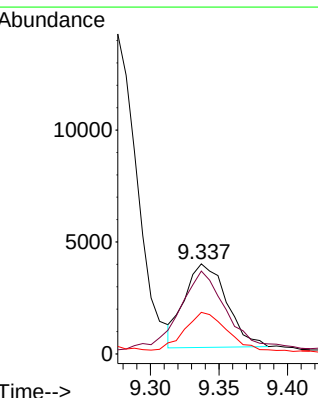
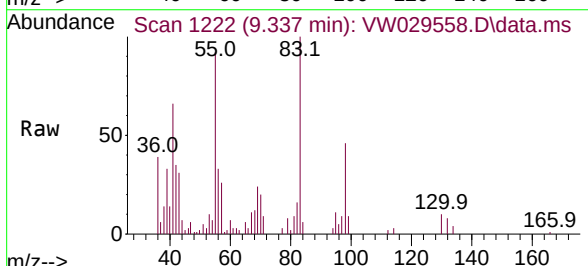
Tgt Ion: 83 Resp: 7952

Ion Ratio Lower Upper

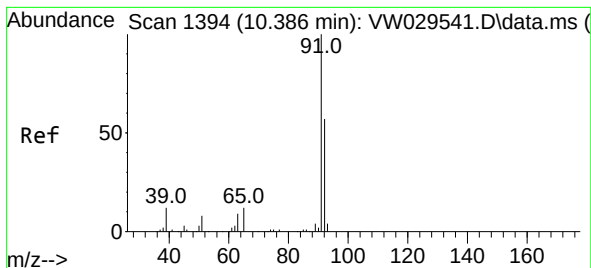
83 100

55 105.6 69.6 104.4#

98 51.1 38.3 57.5







#42

Toluene

Concen: 70.862 ug/L

RT: 10.392 min Scan# 1394

Delta R.T. 0.006 min

Lab File: VW029558.D

Acq: 12 Jul 2024 18:20

Instrument :

MSVOA\_W

ClientSampleId :

BHB34

Tgt Ion: 91 Resp: 1424139

Ion Ratio Lower Upper

91 100

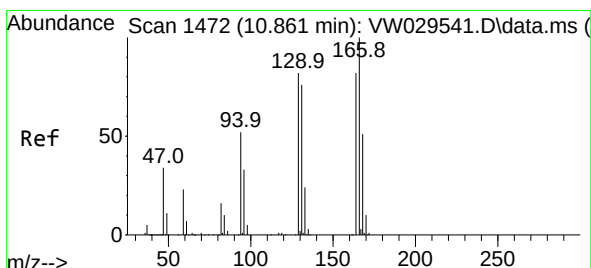
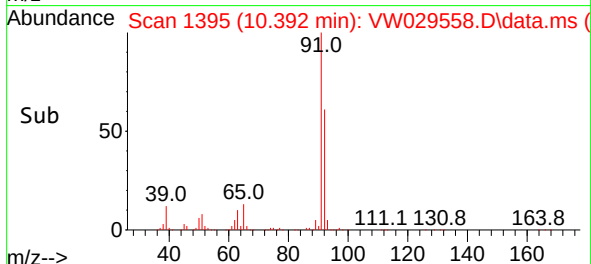
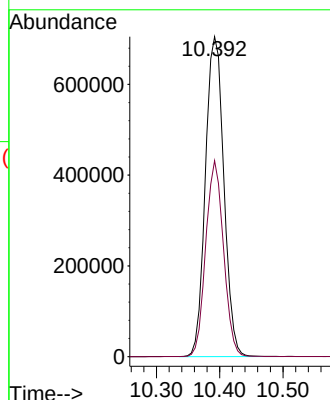
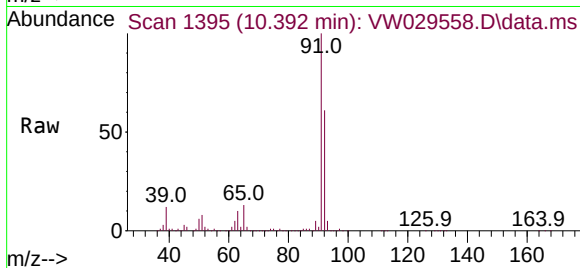
92 61.2 41.1 76.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/15/2024

Supervised By :Semsettin Yesilyurt 07/15/2024



#46

Tetrachloroethene

Concen: 11636.398 ug/L m

RT: 10.873 min Scan# 1474

Delta R.T. 0.012 min

Lab File: VW029558.D

Acq: 12 Jul 2024 18:20

Tgt Ion:164 Resp:42887397

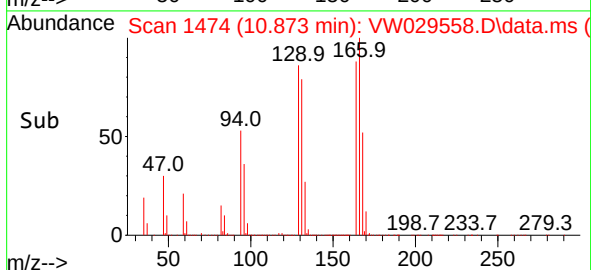
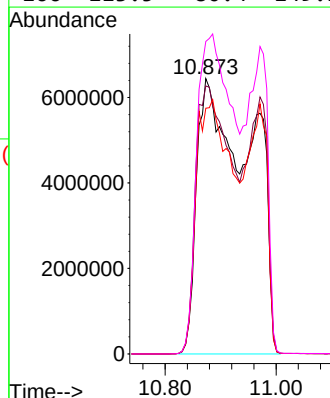
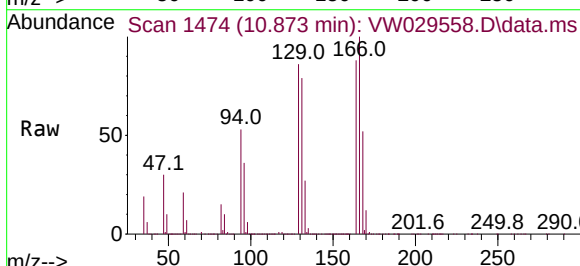
Ion Ratio Lower Upper

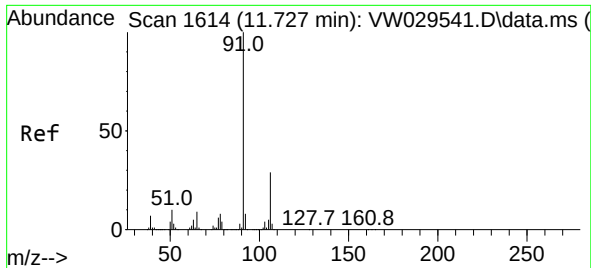
164 100

129 97.3 60.0 111.4

131 89.3 64.6 120.0

166 113.5 80.4 149.2





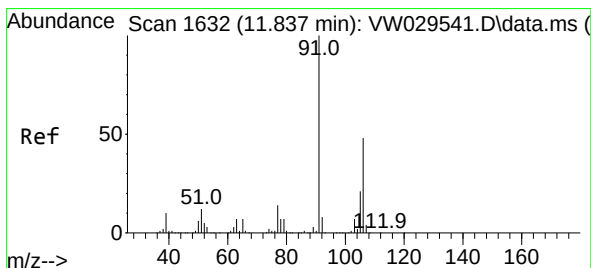
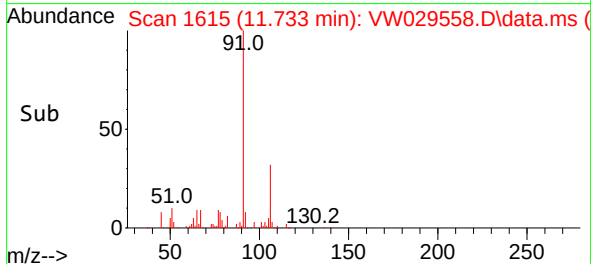
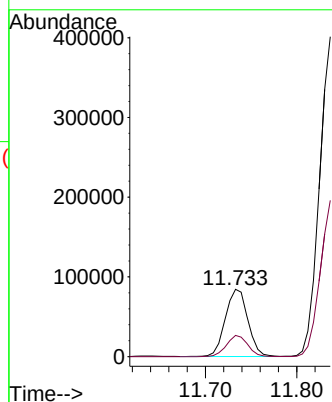
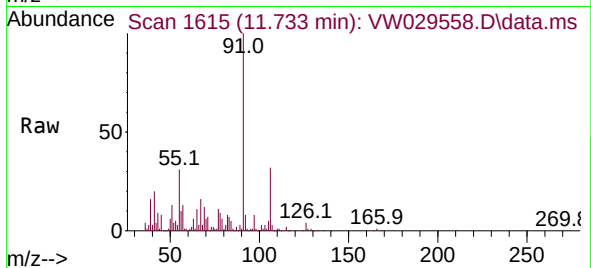
#52  
Ethylbenzene  
Concen: 6.299 ug/L  
RT: 11.733 min Scan# 1615  
Delta R.T. 0.006 min  
Lab File: VW029558.D  
Acq: 12 Jul 2024 18:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
BHB34

Tgt Ion: 91 Resp: 143434  
Ion Ratio Lower Upper  
91 100  
106 31.6 20.2 37.6

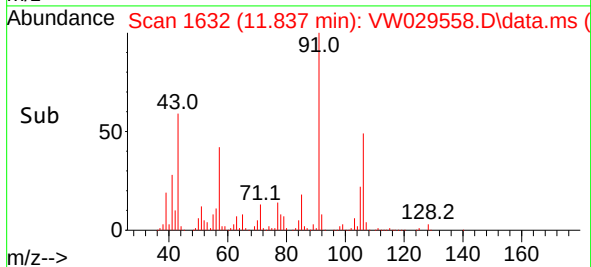
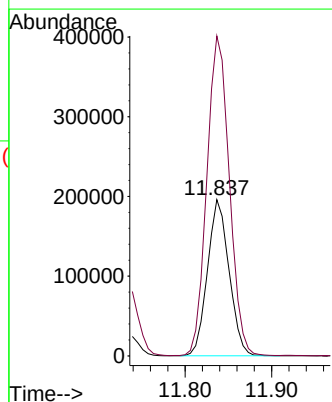
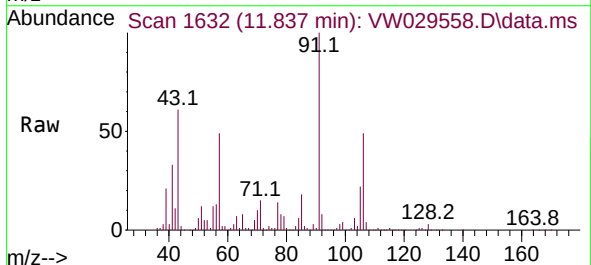
Manual Integrations  
APPROVED

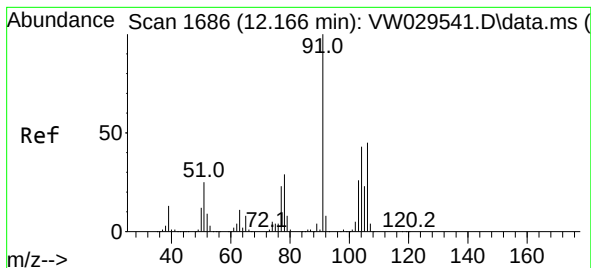
Reviewed By :Mahesh Dadoda 07/15/2024  
Supervised By :Semsettin Yesilyurt 07/15/2024



#53  
m,p-Xylene  
Concen: 40.618 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW029558.D  
Acq: 12 Jul 2024 18:20

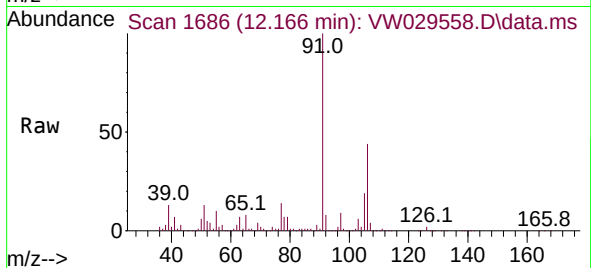
Tgt Ion:106 Resp: 339516  
Ion Ratio Lower Upper  
106 100  
91 204.8 149.3 277.3





#54  
o-Xylene  
Concen: 16.851 ug/L  
RT: 12.166 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW029558.D  
Acq: 12 Jul 2024 18:20

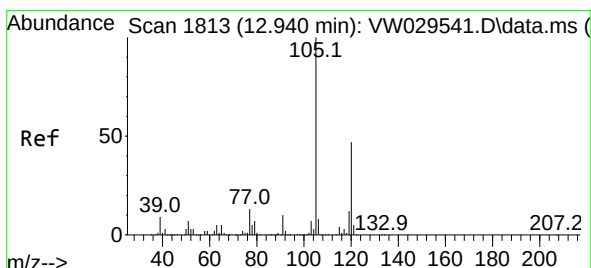
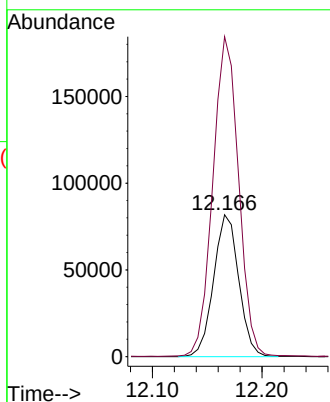
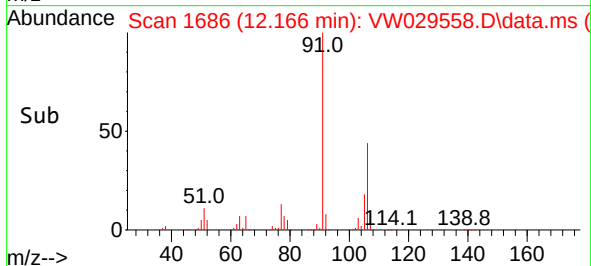
Instrument :  
MSVOA\_W  
ClientSampleId :  
BHB34



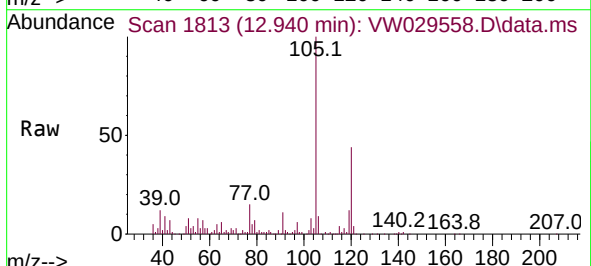
Tgt Ion:106 Resp: 130275  
Ion Ratio Lower Upper  
106 100  
91 225.6 159.2 295.6

Manual Integrations  
APPROVED

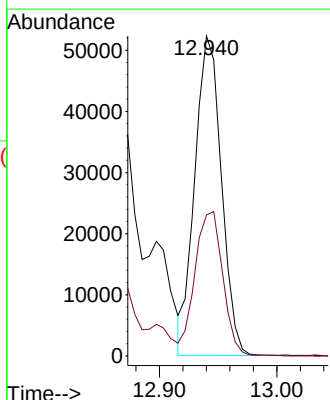
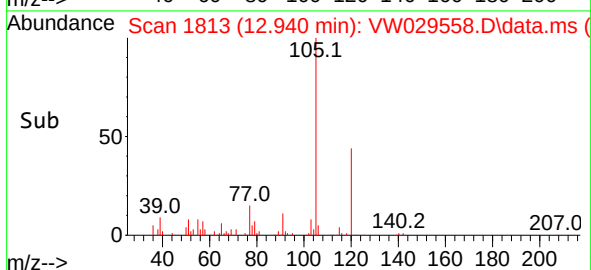
Reviewed By :Mahesh Dadoda 07/15/2024  
Supervised By :Semsettin Yesilyurt 07/15/2024

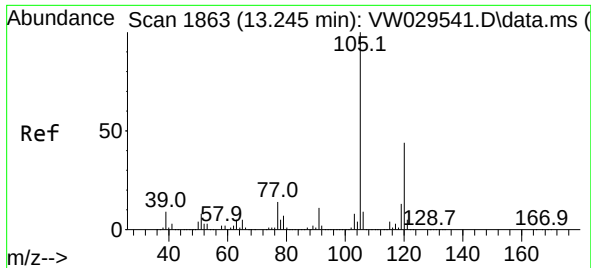


#62  
1,3,5-Trimethylbenzene  
Concen: 6.024 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW029558.D  
Acq: 12 Jul 2024 18:20



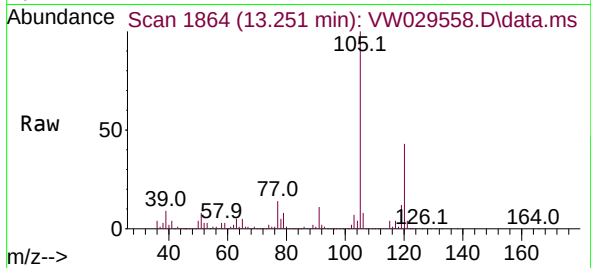
Tgt Ion:105 Resp: 82263  
Ion Ratio Lower Upper  
105 100  
120 47.3 38.4 57.6





#63  
1,2,4-Trimethylbenzene  
Concen: 6.652 ug/L  
RT: 13.251 min Scan# 1864  
Delta R.T. 0.006 min  
Lab File: VW029558.D  
Acq: 12 Jul 2024 18:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
BHB34



Tgt Ion:105 Resp: 100270  
Ion Ratio Lower Upper  
105 100  
120 44.2 34.7 52.1

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/15/2024  
Supervised By :Semsettin Yesilyurt 07/15/2024

