

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120424\  
 Data File : VW031132.D  
 Acq On : 04 Dec 2024 18:09  
 Operator : SY/MD  
 Sample : P5066-02  
 Misc : 8.82g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E28M1

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 12/06/2024  
 Supervised By :Semsettin Yesilyurt 12/06/2024

Quant Time: Dec 05 05:37:51 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Dec 05 01:31:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response             | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|----------------------|----------|--------|----------|
| -----                         |                |      |                      |          |        |          |
| Internal Standards            |                |      |                      |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843          | 114  | 16987                | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629         | 117  | 13033                | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556         | 152  | 5888m                | 25.000   | ug/L   | 0.00     |
|                               |                |      |                      |          |        |          |
| System Monitoring Compounds   |                |      |                      |          |        |          |
| 4) Vinyl Chloride-d3          | 2.357          | 65   | 9596                 | 36.708   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 146.840%  |          |        |          |
| 7) Chloroethane-d5            | 2.899          | 69   | 7108                 | 35.047   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 140.200%  |          |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.033          | 65   | 3450                 | 28.927   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = 115.720%# |          |        |          |
| 21) 2-Butanone-d5             | 7.118          | 46   | 878m                 | 19.205   | ug/L   | 0.04     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 38.400%   |          |        |          |
| 24) Chloroform-d              | 7.661          | 84   | 1063m                | 2.137    | ug/L   | 0.01     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = 8.560%#   |          |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.307          | 65   | 6709                 | 27.404   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = 109.600%  |          |        |          |
| 32) Benzene-d6                | 8.276          | 84   | 23434                | 29.255   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = 117.000%  |          |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.270          | 67   | 7722                 | 32.910   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = 131.640%# |          |        |          |
| 41) Toluene-d8                | 10.325         | 98   | 18415                | 25.474   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = 101.880%  |          |        |          |
| 43) trans-1,3-Dichloroprop... | 10.581         | 79   | 2176                 | 23.035   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = 92.120%   |          |        |          |
| 47) 2-Hexanone-d5             | 10.916         | 63   | 734m                 | 26.700   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 53.400%   |          |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690         | 84   | 990                  | 6.252    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = 25.000%#  |          |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.855         | 152  | 5003m                | 23.922   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = 95.680%   |          |        |          |
|                               |                |      |                      |          |        |          |
| Target Compounds              |                |      |                      |          | Qvalue |          |
| 13) Acetone                   | 4.155          | 43   | 1502m                | 18.248   | ug/L   |          |
| 14) Carbon disulfide          | 4.387          | 76   | 2860m                | 3.615    | ug/L   |          |
| 17) trans-1,2-Dichloroethene  | 5.441          | 96   | 1002                 | 3.907    | ug/L   | 84       |
| 20) cis-1,2-Dichloroethene    | 7.185          | 96   | 812m                 | 3.014    | ug/L   |          |
| 25) Chloroform                | 7.679          | 83   | 12935                | 26.366   | ug/L   | 89       |
| 29) Cyclohexane               | 7.965          | 56   | 1506                 | 4.591    | ug/L # | 78       |
| 33) Benzene                   | 8.325          | 78   | 628                  | 0.713    | ug/L   | 100      |
| 34) Trichloroethene           | 9.093          | 95   | 50192                | 206.461  | ug/L   | 94       |
| 35) Methylcyclohexane         | 9.337          | 83   | 7099                 | 18.351   | ug/L   | 92       |
| 42) Toluene                   | 10.386         | 91   | 54529                | 58.734   | ug/L   | 99       |
| 46) Tetrachloroethene         | 10.861         | 164  | 782976               | 4344.573 | ug/L   | 93       |
| 52) Ethylbenzene              | 11.727         | 91   | 59597                | 56.648   | ug/L   | 98       |
| 53) m,p-Xylene                | 11.831         | 106  | 84123                | 214.846  | ug/L   | 99       |
| 54) o-Xylene                  | 12.160         | 106  | 45567                | 125.094  | ug/L   | 96       |
| 60) Isopropylbenzene          | 12.458         | 105  | 22401                | 23.567   | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.940         | 105  | 97980                | 130.907  | ug/L   | 95       |
| 63) 1,2,4-Trimethylbenzene    | 13.245         | 105  | 367115               | 499.298  | ug/L   | 99       |
| -----                         |                |      |                      |          |        |          |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120424\  
Data File : VW031132.D  
Acq On : 04 Dec 2024 18:09  
Operator : SY/MD  
Sample : P5066-02  
Misc : 8.82g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
E28M1

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 12/06/2024  
Supervised By :Semsettin Yesilyurt 12/06/2024

Quant Time: Dec 05 05:37:51 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120424SMA.M  
Quant Title : SFAM01.0  
QLast Update : Thu Dec 05 01:31:20 2024  
Response via : Initial Calibration

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

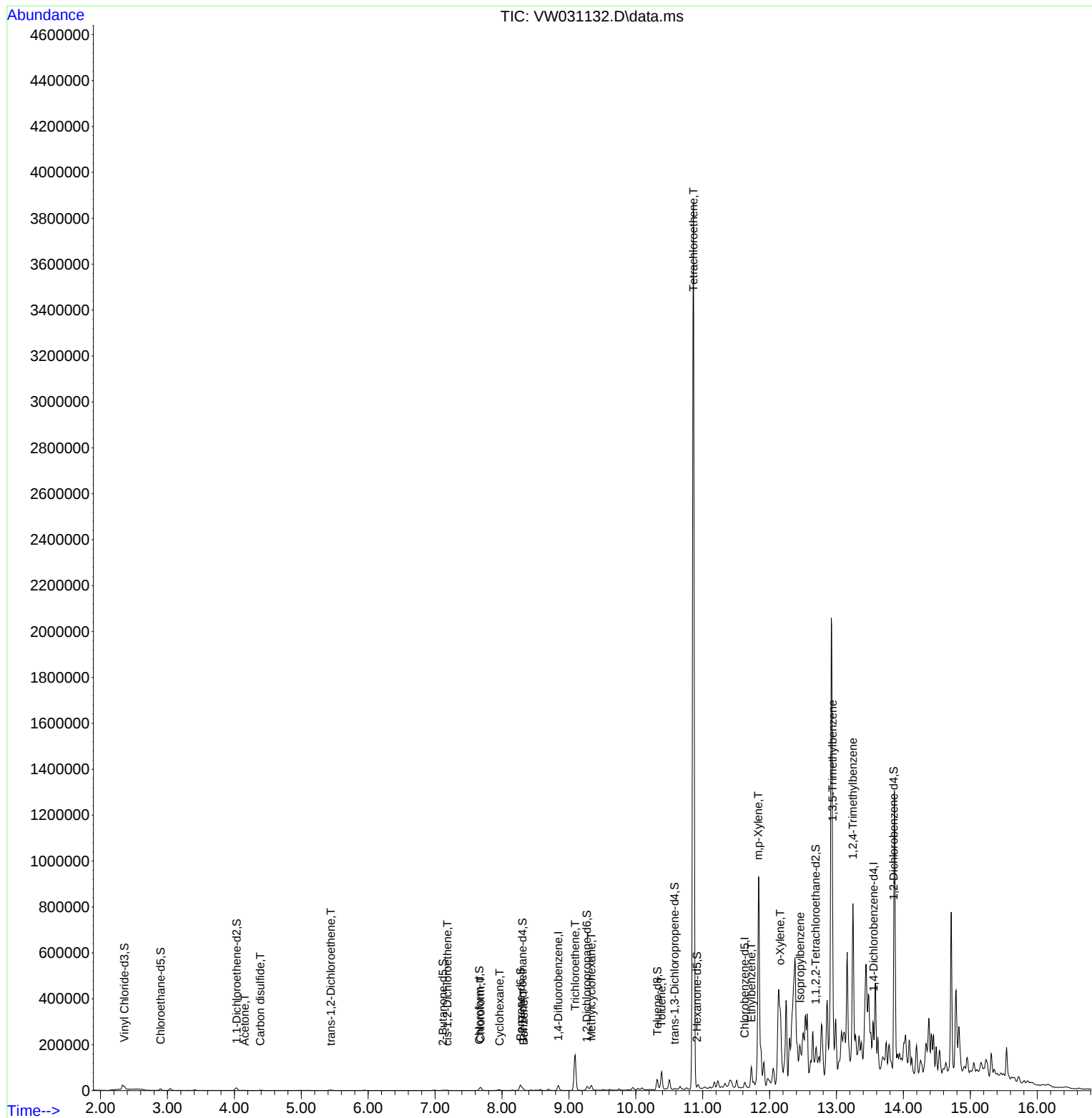
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Data File : VW031132.D  
Acq On : 04 Dec 2024 18:09  
Operator : SY/MD  
Sample : P5066-02  
Misc : 8.82g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 16 Sample Multiplier: 1

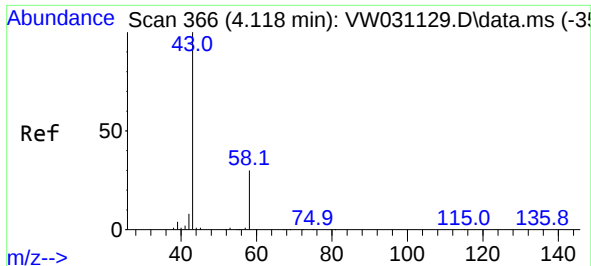
Instrument :  
MSVOA\_W  
ClientSampleId :  
E28M1

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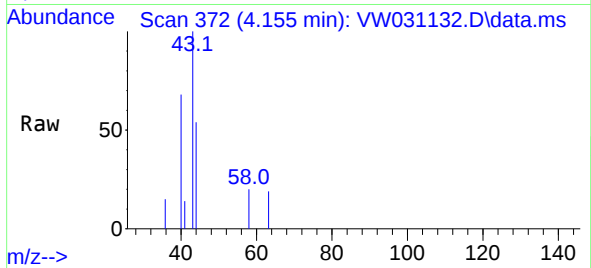
Quant Time: Dec 05 05:37:51 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120424SMA.M  
Quant Title : SFAM01.0  
QLast Update : Thu Dec 05 01:31:20 2024  
Response via : Initial Calibration





#13  
Acetone  
Concen: 18.248 ug/L m  
RT: 4.155 min Scan# 31  
Delta R.T. 0.036 min  
Lab File: VW031132.D  
Acq: 04 Dec 2024 18:09

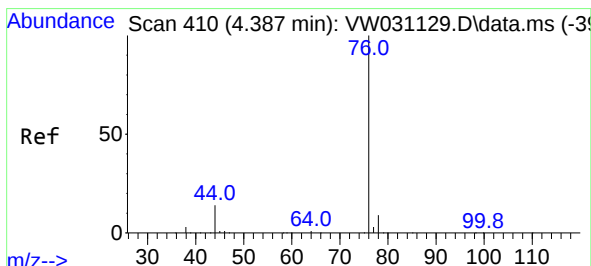
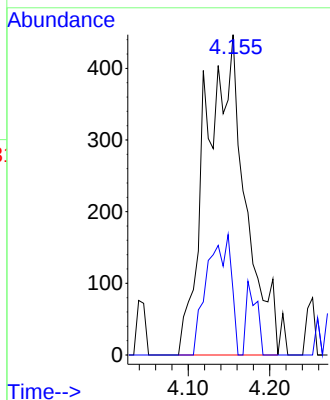
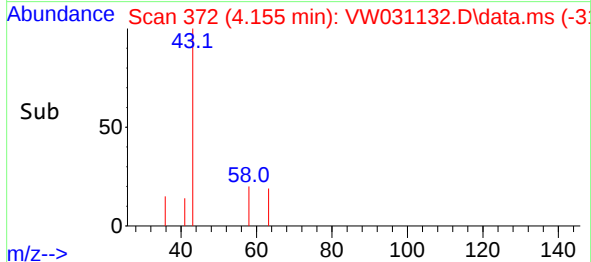
Instrument :  
MSVOA\_W  
ClientSampleId :  
E28M1



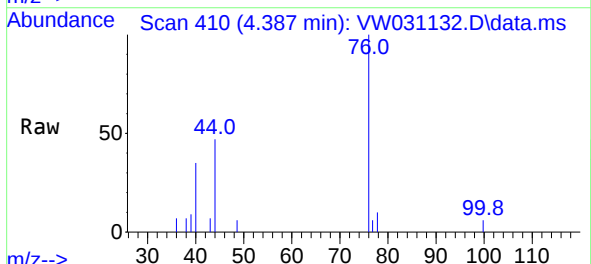
Tgt Ion: 43 Resp: 150  
Ion Ratio Lower Upper  
43 100  
58 6.3 0.0 67.2

Manual Integrations  
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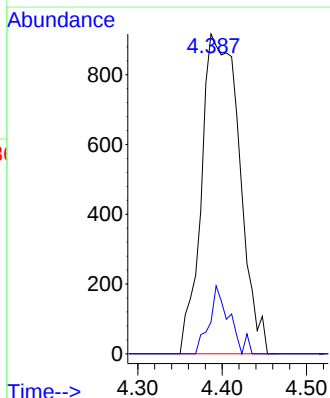
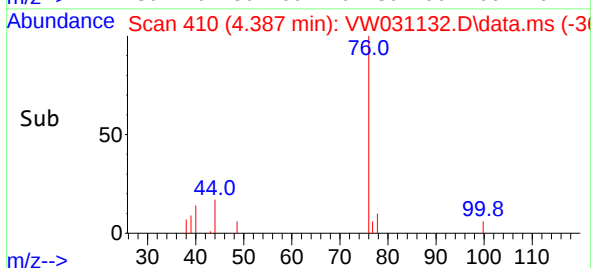
Reviewed By :Mahesh Dadoda 12/06/2024  
Supervised By :Semsettin Yesilyurt 12/06/2024

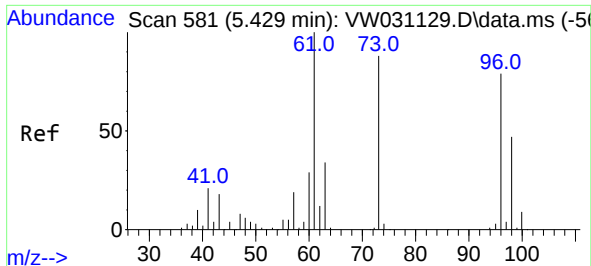


#14  
Carbon disulfide  
Concen: 3.615 ug/L m  
RT: 4.387 min Scan# 410  
Delta R.T. -0.006 min  
Lab File: VW031132.D  
Acq: 04 Dec 2024 18:09



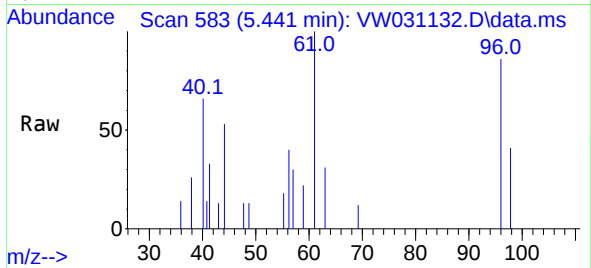
Tgt Ion: 76 Resp: 2860  
Ion Ratio Lower Upper  
76 100  
78 9.9 7.4 11.2





#17  
trans-1,2-Dichloroethene  
Concen: 3.907 ug/L  
RT: 5.441 min Scan# 581  
Delta R.T. 0.006 min  
Lab File: VW031132.D  
Acq: 04 Dec 2024 18:09

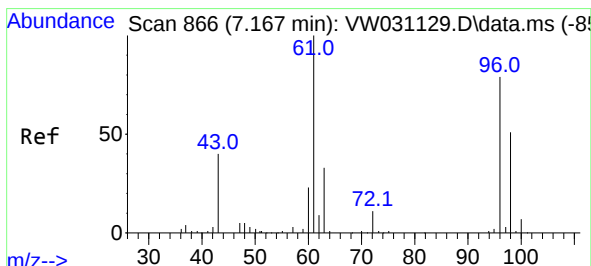
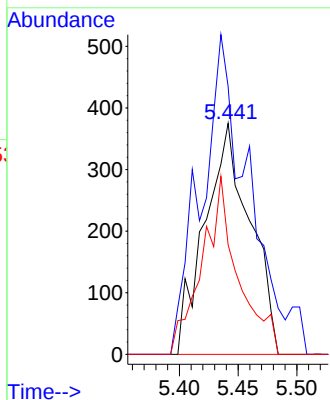
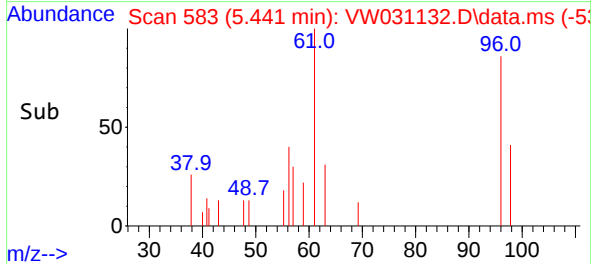
Instrument :  
MSVOA\_W  
ClientSampleId :  
E28M1



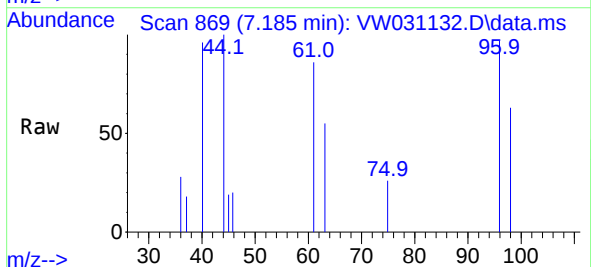
Tgt Ion: 96 Resp: 100  
Ion Ratio Lower Upper  
96 100  
61 116.0 92.7 172.3  
98 47.5 44.4 82.4

Manual Integrations  
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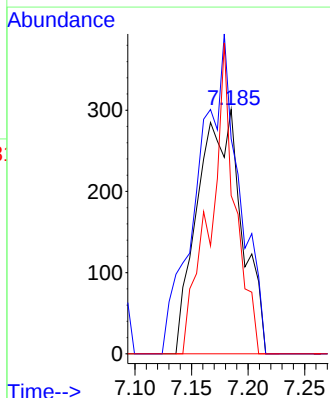
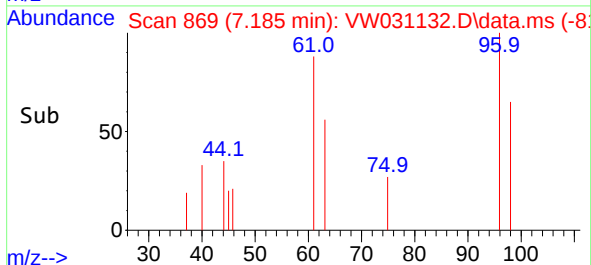
Reviewed By :Mahesh Dadoda 12/06/2024  
Supervised By :Semsettin Yesilyurt 12/06/2024

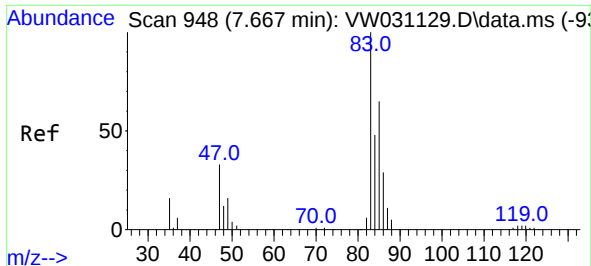


#20  
cis-1,2-Dichloroethene  
Concen: 3.014 ug/L m  
RT: 7.185 min Scan# 869  
Delta R.T. 0.012 min  
Lab File: VW031132.D  
Acq: 04 Dec 2024 18:09



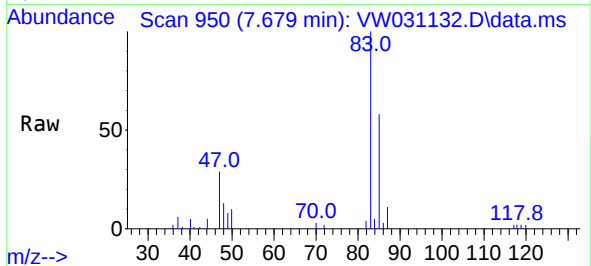
Tgt Ion: 96 Resp: 812  
Ion Ratio Lower Upper  
96 100  
61 88.0 83.7 155.5  
98 64.8 43.9 81.5





#25  
Chloroform  
Concen: 26.366 ug/L  
RT: 7.679 min Scan# 910  
Delta R.T. -0.000 min  
Lab File: VW031132.D  
Acq: 04 Dec 2024 18:09

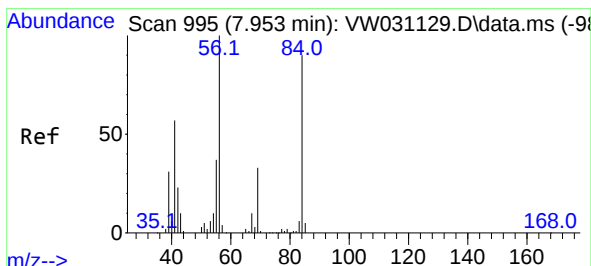
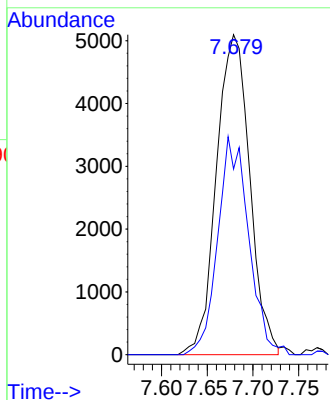
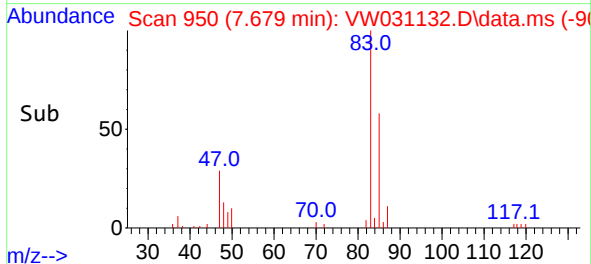
Instrument :  
MSVOA\_W  
ClientSampleId :  
E28M1



Tgt Ion: 83 Resp: 12935  
Ion Ratio Lower Upper  
83 100  
85 58.0 46.5 86.3

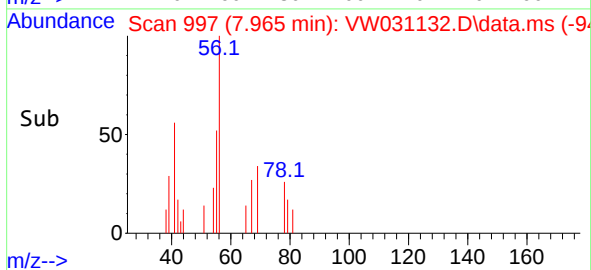
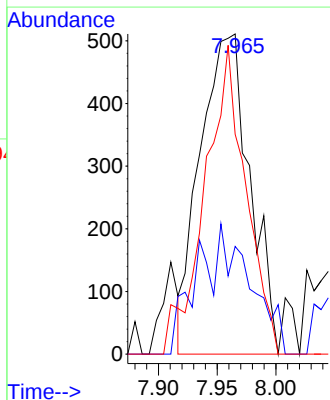
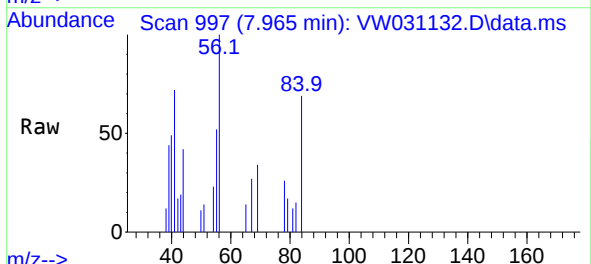
Manual Integrations  
APPROVED

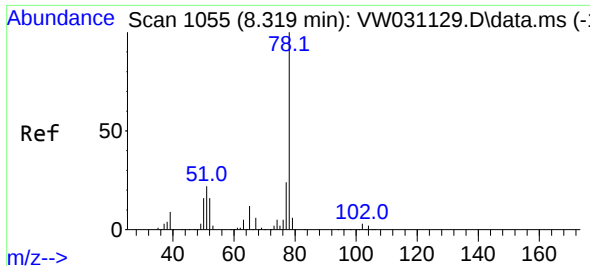
Reviewed By :Mahesh Dadoda 12/06/2024  
Supervised By :Semsettin Yesilyurt 12/06/2024



#29  
Cyclohexane  
Concen: 4.591 ug/L  
RT: 7.965 min Scan# 997  
Delta R.T. 0.006 min  
Lab File: VW031132.D  
Acq: 04 Dec 2024 18:09

Tgt Ion: 56 Resp: 1506  
Ion Ratio Lower Upper  
56 100  
69 10.2 25.4 38.2#  
84 74.3 71.1 106.7





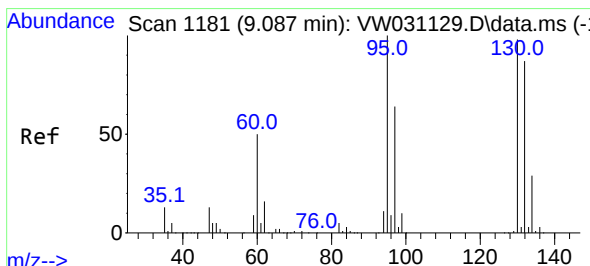
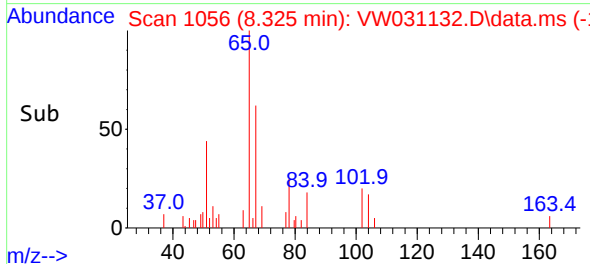
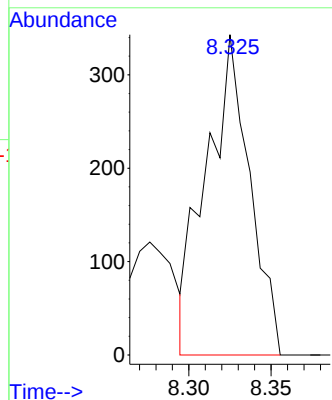
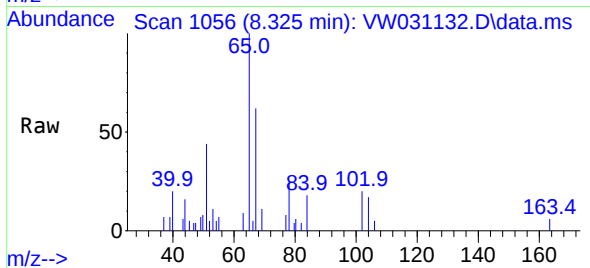
#33  
Benzene  
Concen: 0.713 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VW031132.D  
Acq: 04 Dec 2024 18:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
E28M1

Tgt Ion: 78 Resp: 628

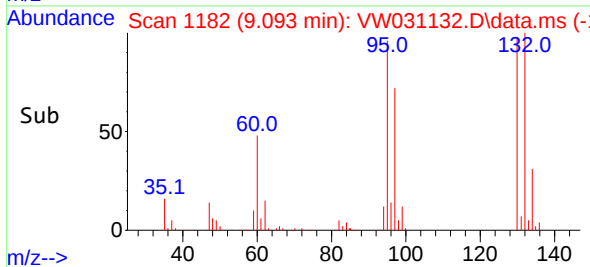
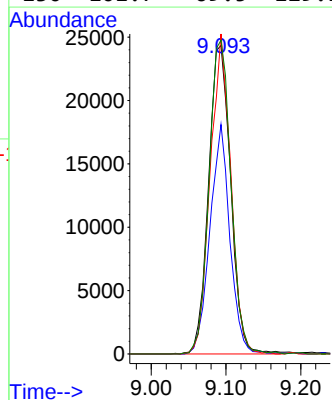
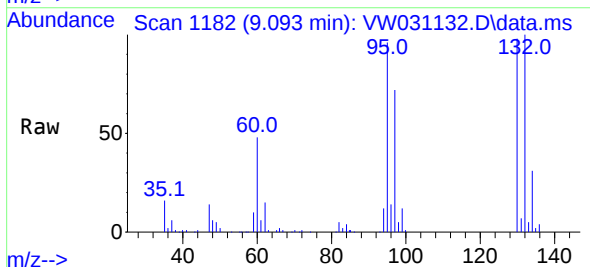
Manual Integrations  
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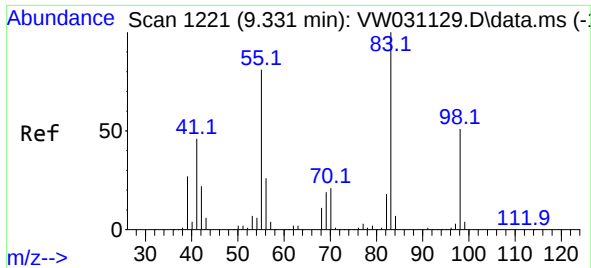
Reviewed By :Mahesh Dadoda 12/06/2024  
Supervised By :Semsettin Yesilyurt 12/06/2024



#34  
Trichloroethene  
Concen: 206.461 ug/L  
RT: 9.093 min Scan# 1182  
Delta R.T. 0.006 min  
Lab File: VW031132.D  
Acq: 04 Dec 2024 18:09

Tgt Ion: 95 Resp: 50192  
Ion Ratio Lower Upper  
95 100  
97 74.4 48.0 89.2  
132 103.7 67.4 125.2  
130 101.7 69.5 129.1





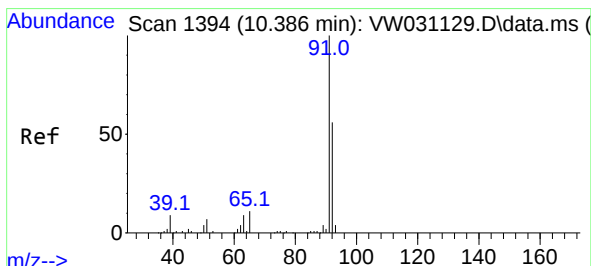
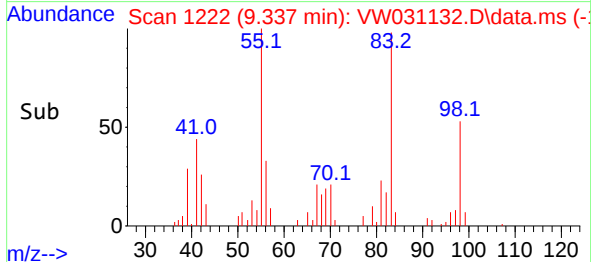
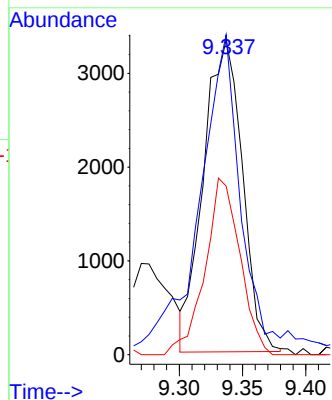
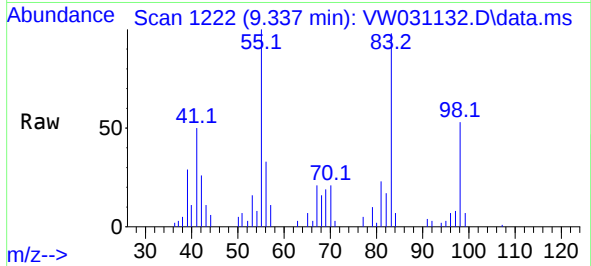
#35  
Methylcyclohexane  
Concen: 18.351 ug/L  
RT: 9.337 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW031132.D  
Acq: 04 Dec 2024 18:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
E28M1

Tgt Ion: 83 Resp: 7099  
Ion Ratio Lower Upper  
83 100  
55 83.3 59.5 89.3  
98 50.9 38.7 58.1

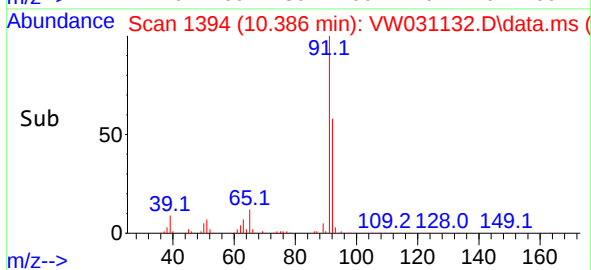
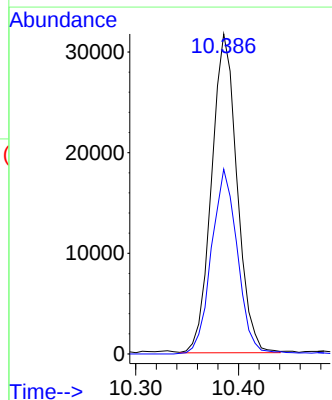
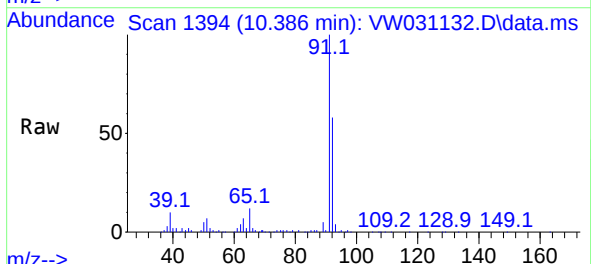
Manual Integrations  
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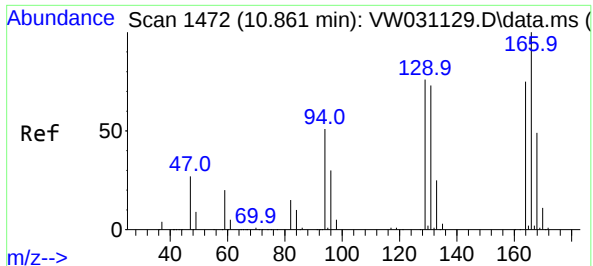
Reviewed By :Mahesh Dadoda 12/06/2024  
Supervised By :Semsettin Yesilyurt 12/06/2024



#42  
Toluene  
Concen: 58.734 ug/L  
RT: 10.386 min Scan# 1394  
Delta R.T. -0.000 min  
Lab File: VW031132.D  
Acq: 04 Dec 2024 18:09

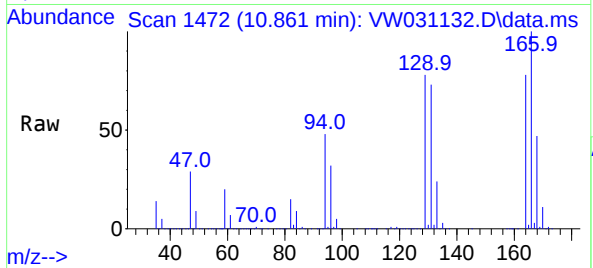
Tgt Ion: 91 Resp: 54529  
Ion Ratio Lower Upper  
91 100  
92 57.8 40.8 75.8





#46  
Tetrachloroethene  
Concen: 4344.573 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VW031132.D  
Acq: 04 Dec 2024 18:09

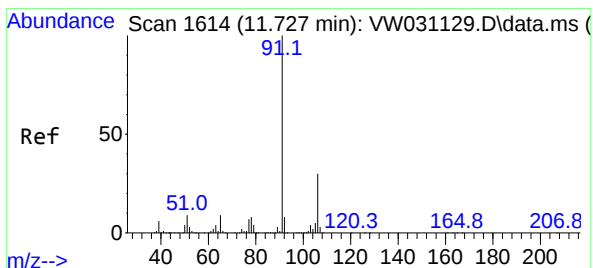
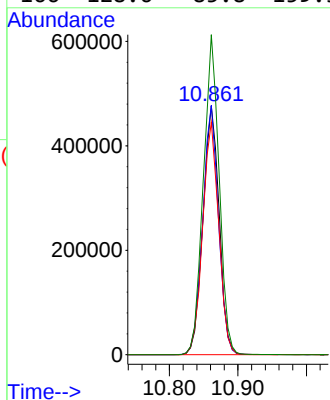
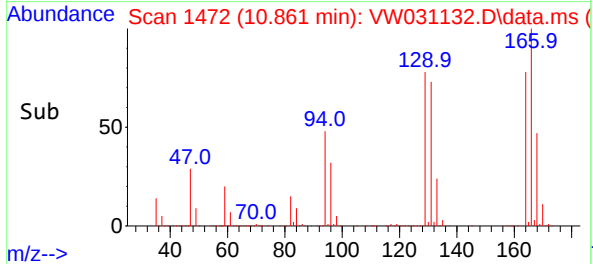
Instrument :  
MSVOA\_W  
ClientSampleId :  
E28M1



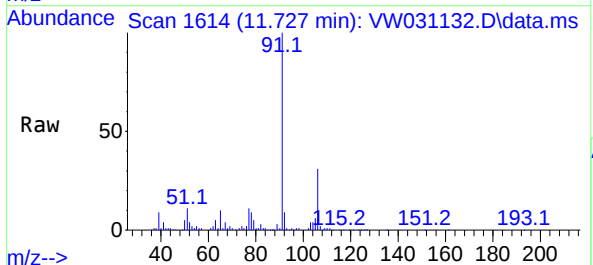
Tgt Ion:164 Resp: 782970  
Ion Ratio Lower Upper  
164 100  
129 100.2 61.9 114.9  
131 93.5 67.9 126.1  
166 128.6 85.8 159.3

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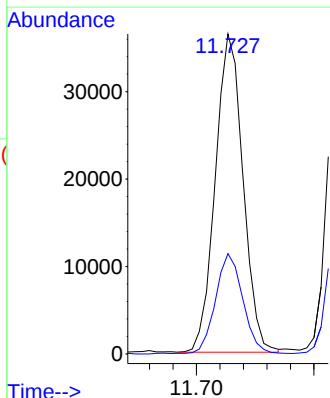
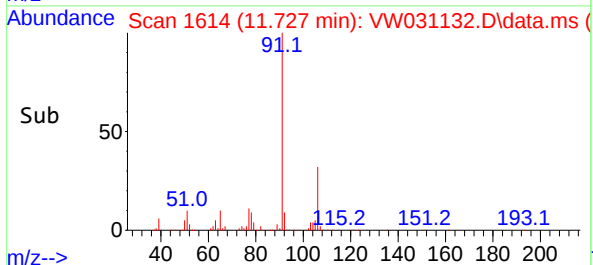
Reviewed By :Mahesh Dadoda 12/06/2024  
Supervised By :Semsettin Yesilyurt 12/06/2024

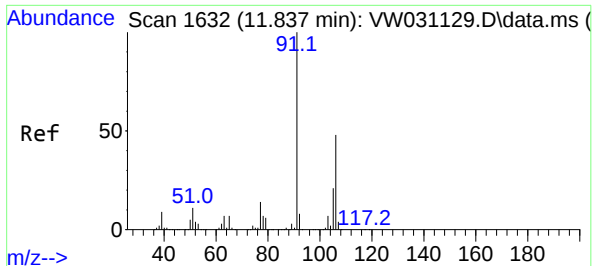


#52  
Ethylbenzene  
Concen: 56.648 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW031132.D  
Acq: 04 Dec 2024 18:09



Tgt Ion: 91 Resp: 59597  
Ion Ratio Lower Upper  
91 100  
106 31.3 21.3 39.5





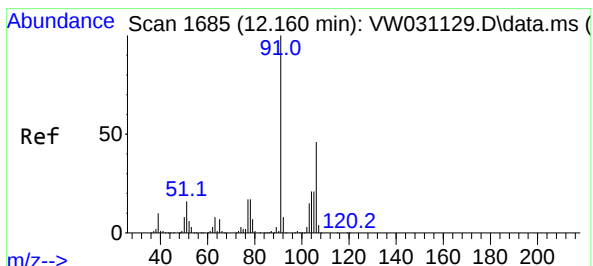
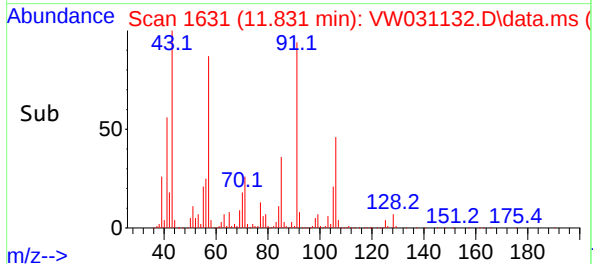
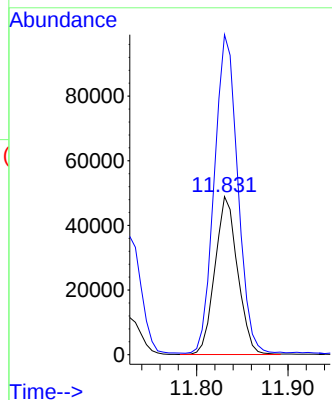
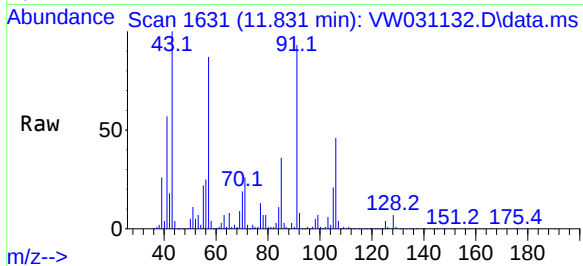
#53  
m,p-Xylene  
Concen: 214.846 ug/L  
RT: 11.831 min Scan# 106  
Delta R.T. -0.006 min  
Lab File: VW031132.D  
Acq: 04 Dec 2024 18:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
E28M1

Tgt Ion:106 Resp: 8412  
Ion Ratio Lower Upper  
106 100  
91 202.5 140.9 261.7

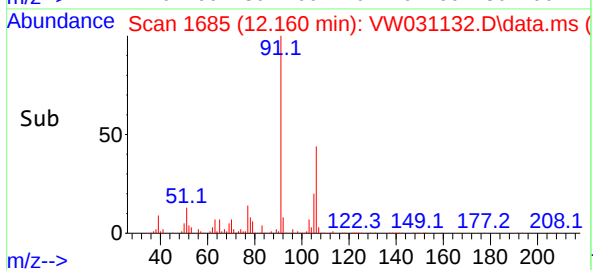
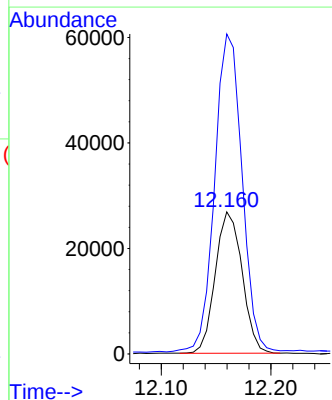
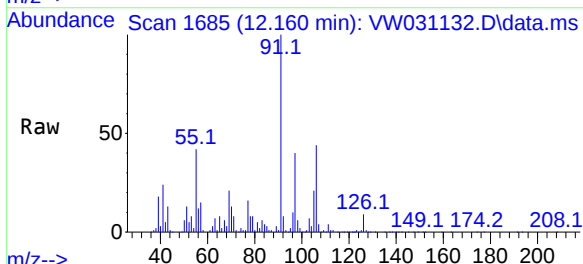
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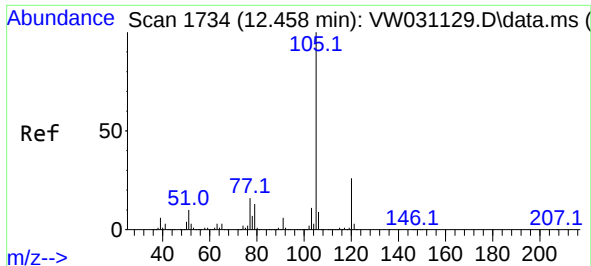
Reviewed By :Mahesh Dadoda 12/06/2024  
Supervised By :Semsettin Yesilyurt 12/06/2024



#54  
o-Xylene  
Concen: 125.094 ug/L  
RT: 12.160 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VW031132.D  
Acq: 04 Dec 2024 18:09

Tgt Ion:106 Resp: 45567  
Ion Ratio Lower Upper  
106 100  
91 225.2 152.7 283.5





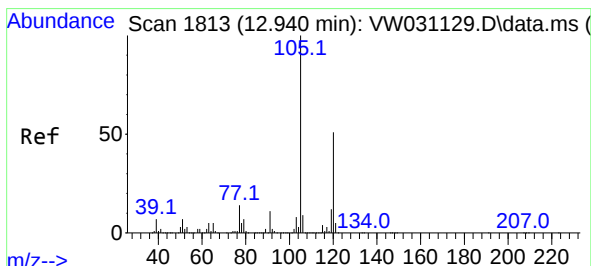
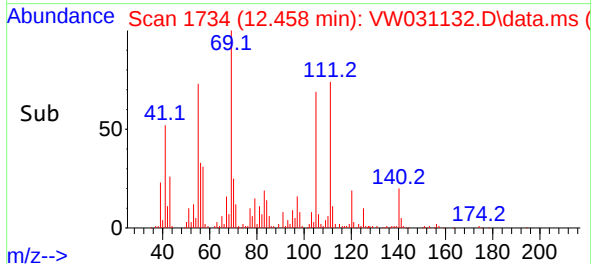
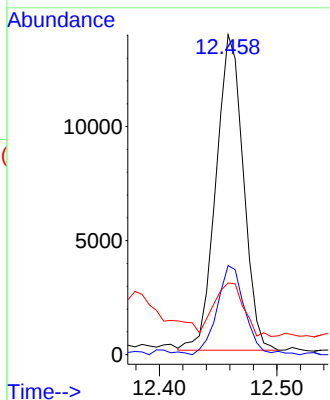
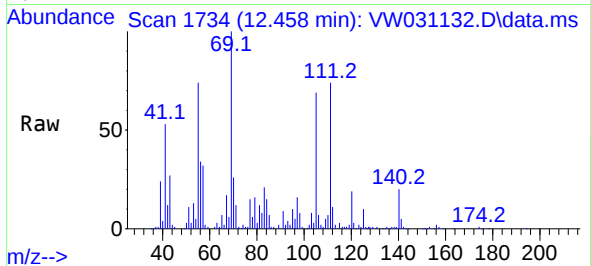
#60  
Isopropylbenzene  
Concen: 23.567 ug/L  
RT: 12.458 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW031132.D  
Acq: 04 Dec 2024 18:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
E28M1

Tgt Ion:105 Resp: 2240  
Ion Ratio Lower Upper  
105 100  
120 28.0 21.5 32.3  
77 17.7 12.3 18.5

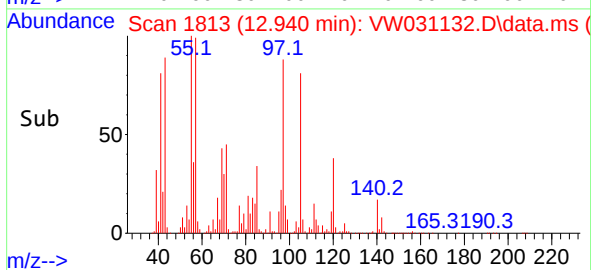
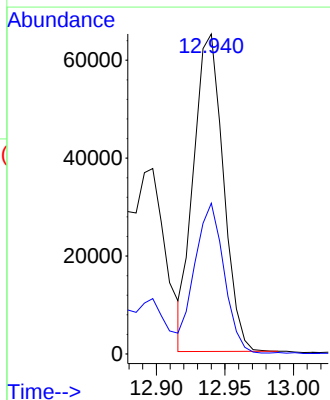
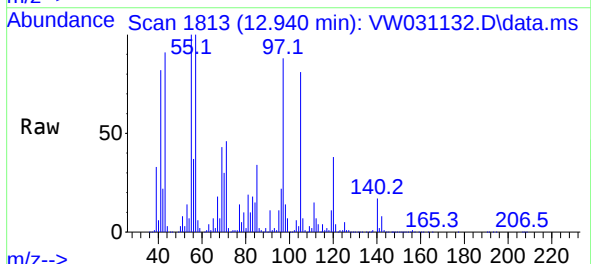
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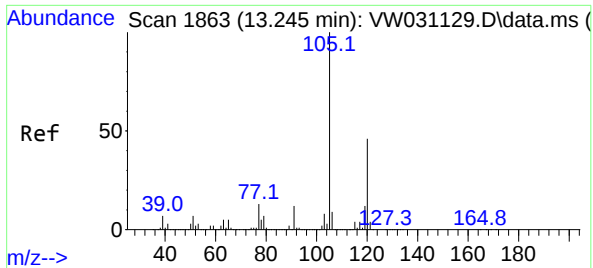
Reviewed By :Mahesh Dadoda 12/06/2024  
Supervised By :Semsettin Yesilyurt 12/06/2024



#62  
1,3,5-Trimethylbenzene  
Concen: 130.907 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW031132.D  
Acq: 04 Dec 2024 18:09

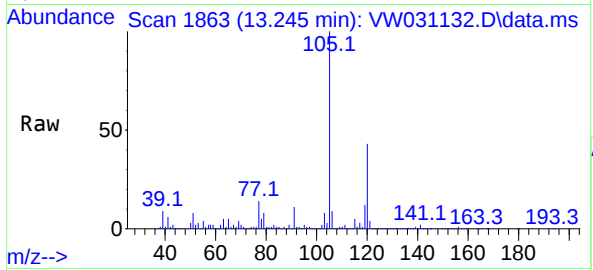
Tgt Ion:105 Resp: 97980  
Ion Ratio Lower Upper  
105 100  
120 46.8 40.5 60.7





#63  
1,2,4-Trimethylbenzene  
Concen: 499.298 ug/L  
RT: 13.245 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW031132.D  
Acq: 04 Dec 2024 18:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
E28M1



Tgt Ion:105 Resp: 367115  
Ion Ratio Lower Upper  
105 100  
120 43.7 35.4 53.0

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 12/06/2024  
Supervised By :Semsettin Yesilyurt 12/06/2024

