

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL051722\  
 Data File : VL039080.D  
 Acq On : 17 May 2022 22:17  
 Operator : SY/AP  
 Sample : N2854-04DL 10X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 1161-8.01-SG-5DL

Quant Time: May 18 01:54:58 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL050522AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu May 18 01:54:58 2022  
 QLast Update : Thu May 05 10:12:15 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/18/2022  
 Supervised By : Mahesh Dadoda 05/20/2022

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.671  | 49    | 826958   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 7.179  | 114   | 1954697  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 12.085 | 117   | 1596068  | 10.000   | ppbv   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 14.417 | 95    | 1353998  | 10.712   | ppbv   | 0.01     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 107.100% |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 9) Propene                  | 3.028  | 41    | 12446m   | 0.278    | ppbv   |          |
| 13) Ethanol                 | 3.616  | 45    | 105736m  | 33.342   | ppbv   |          |
| 15) Acetone                 | 3.864  | 43    | 208658   | 2.675    | ppbv   | 92       |
| 19) Isopropyl Alcohol       | 3.980  | 45    | 71286    | 1.922    | ppbv # | 85       |
| 20) Methylene Chloride      | 4.349  | 84    | 11222m   | 0.382    | ppbv   |          |
| 26) Hexane                  | 5.687  | 57    | 15979m   | 0.193    | ppbv   |          |
| 34) 2-Butanone              | 5.263  | 43    | 25976m   | 0.260    | ppbv   |          |
| 36) Benzene                 | 6.890  | 78    | 18724m   | 0.112    | ppbv   |          |
| 44) 2,2,4-Trimethylpentane  | 7.870  | 57    | 33326    | 0.114    | ppbv # | 79       |
| 53) Toluene                 | 9.809  | 91    | 221621   | 1.182    | ppbv   | 99       |
| 58) Ethyl Benzene           | 12.706 | 91    | 43607m   | 0.190    | ppbv   |          |
| 59) m/p-Xylene              | 12.973 | 91    | 154268m  | 0.787    | ppbv   |          |
| 60) o-Xylene                | 13.700 | 91    | 52149m   | 0.283    | ppbv   |          |
| 74) 1,2,4-Trimethylbenzene  | 16.767 | 105   | 36010m   | 0.174    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

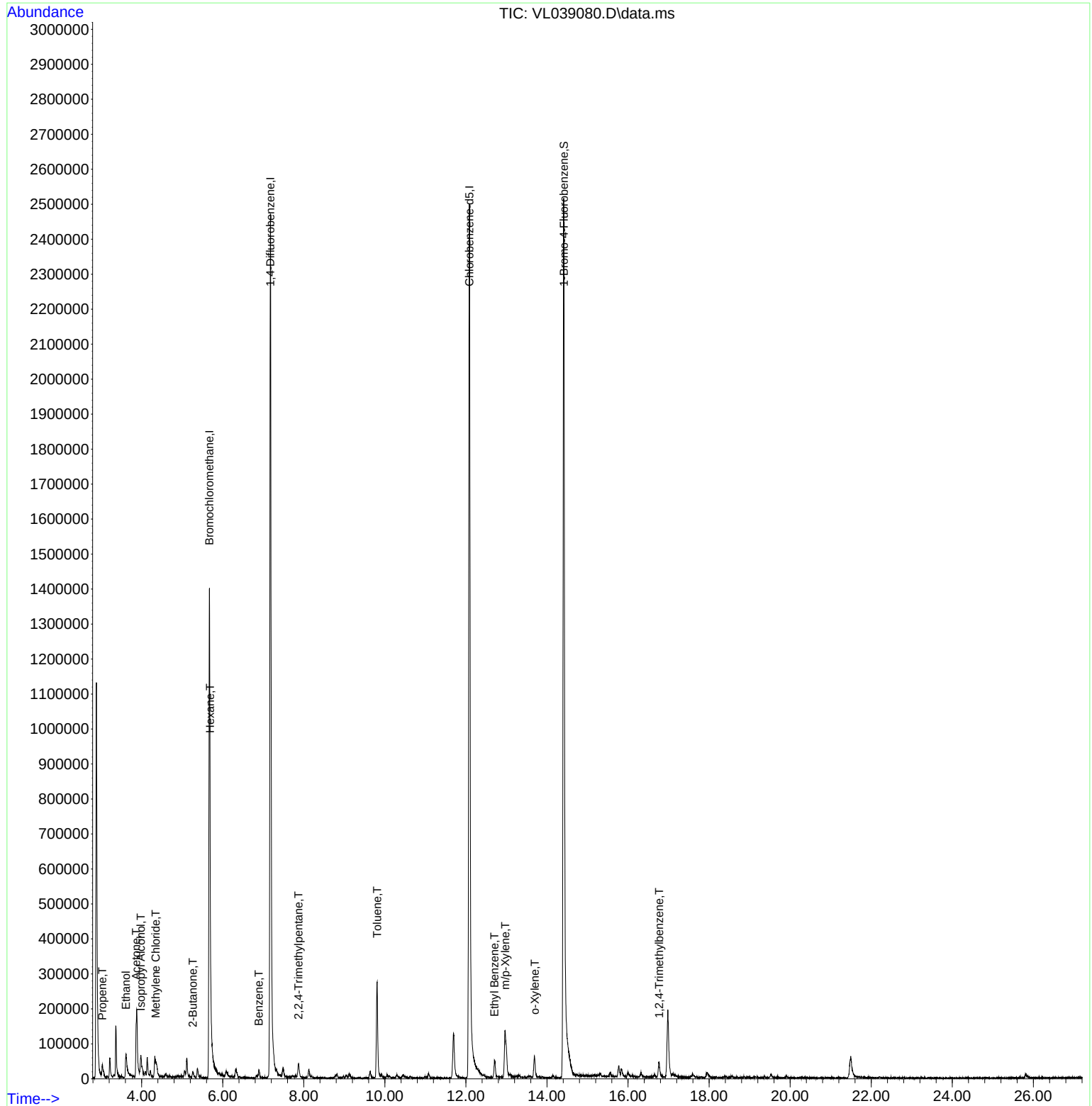
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL051722\  
Data File : VL039080.D  
Acq On : 17 May 2022 22:17  
Operator : SY/AP  
Sample : N2854-04DL 10X  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

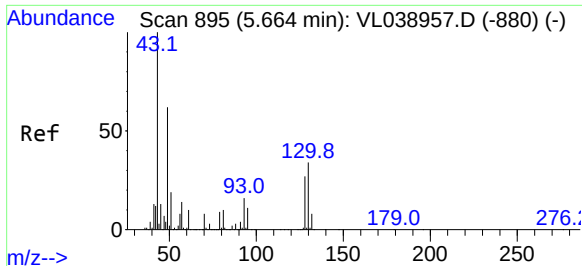
Instrument :  
MSVOA\_L  
ClientSampleId :  
1161-8.01-SG-5DL

Manual Integrations  
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Supervised By :Mahesh Dadoda 05/20/2022

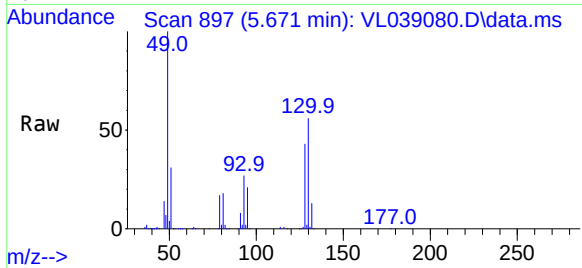
Quant Time: May 18 01:54:58 2022  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL050522AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu May  
QLast Update : Thu May 05 10:12:15 2022  
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.671 min Scan# 895  
Delta R.T. 0.006 min  
Lab File: VL039080.D  
Acq: 17 May 2022 22:17

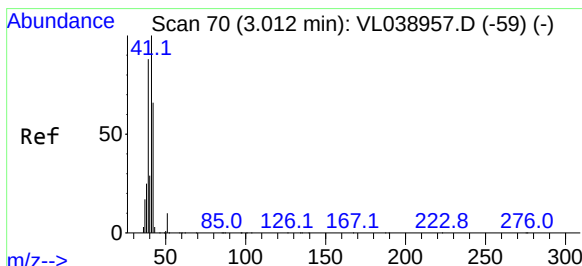
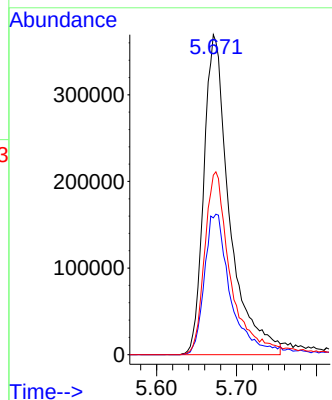
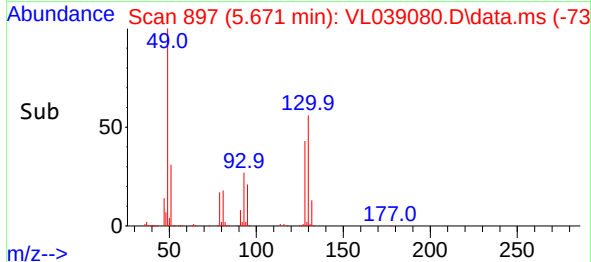
Instrument :  
MSVOA\_L  
ClientSampleId :  
1161-8.01-SG-5DL



Tgt Ion: 49 Resp: 826958  
Ion Ratio Lower Upper  
49 100  
128 47.0 23.3 69.8  
130 60.3 29.8 89.3

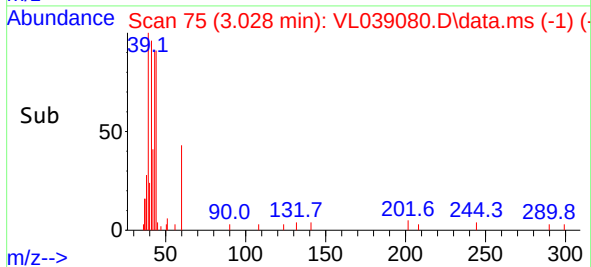
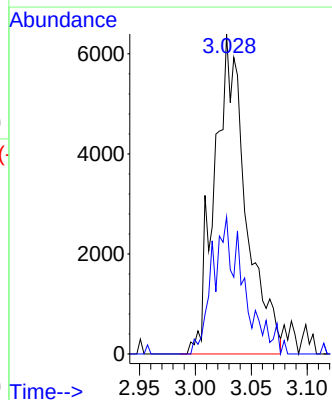
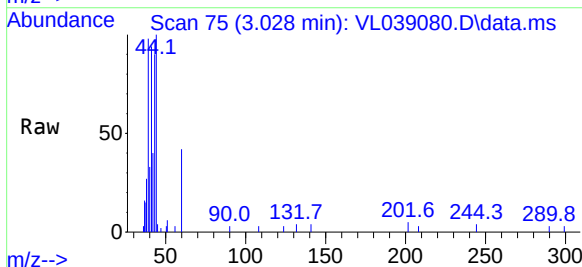
Manual Integrations  
APPROVED

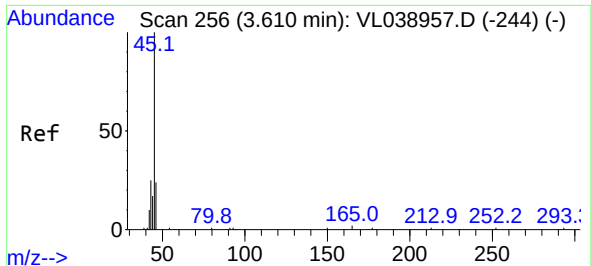
Reviewed By :Semsettin Yesilyurt 05/18/2022  
Supervised By :Mahesh Dadoda 05/20/2022



#9  
Propene  
Concen: 0.278 ppbv m  
RT: 3.028 min Scan# 75  
Delta R.T. 0.016 min  
Lab File: VL039080.D  
Acq: 17 May 2022 22:17

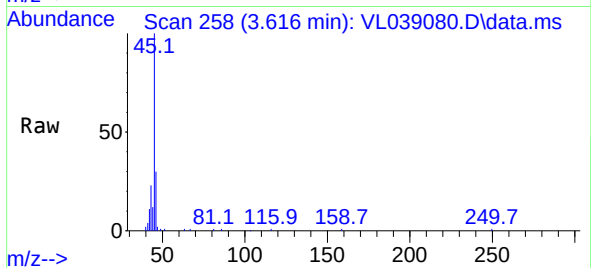
Tgt Ion: 41 Resp: 12446  
Ion Ratio Lower Upper  
41 100  
42 121.4 58.3 87.5#





#13  
Ethanol  
Concen: 33.342 ppbv m  
RT: 3.616 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VL039080.D  
Acq: 17 May 2022 22:17

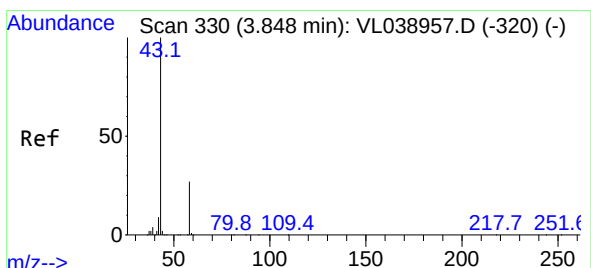
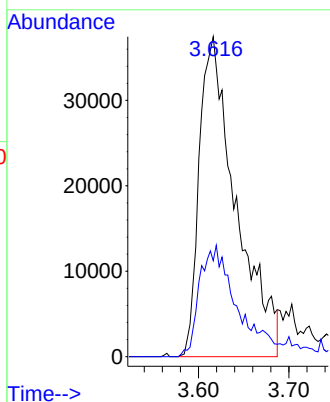
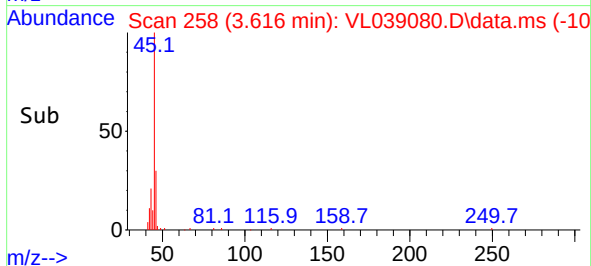
Instrument :  
MSVOA\_L  
ClientSampleId :  
1161-8.01-SG-5DL



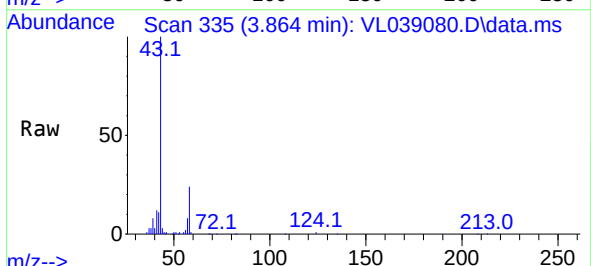
Tgt Ion: 45 Resp: 105730  
Ion Ratio Lower Upper  
45 100  
46 40.0 18.0 72.2

Manual Integrations  
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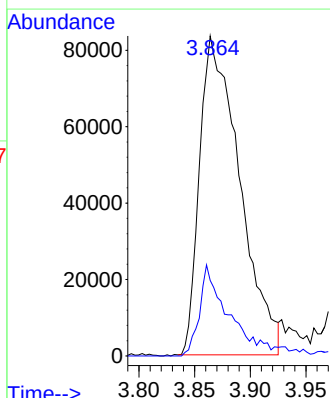
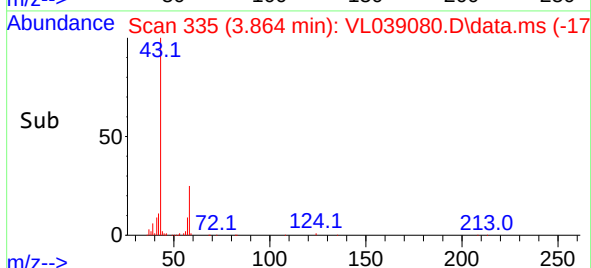
Reviewed By :Semsettin Yesilyurt 05/18/2022  
Supervised By :Mahesh Dadoda 05/20/2022

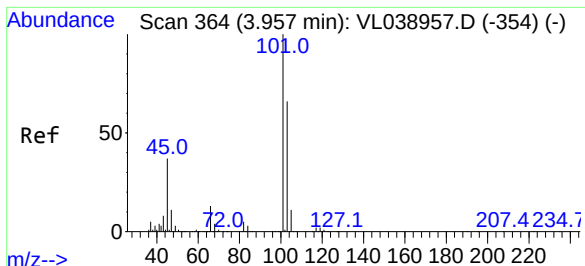


#15  
Acetone  
Concen: 2.675 ppbv  
RT: 3.864 min Scan# 335  
Delta R.T. 0.016 min  
Lab File: VL039080.D  
Acq: 17 May 2022 22:17



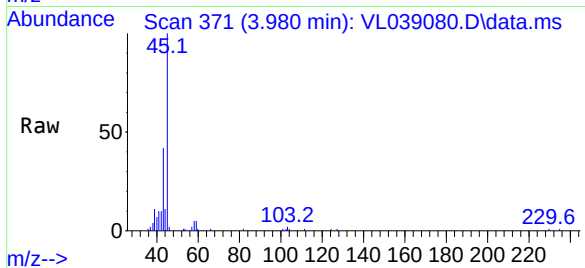
Tgt Ion: 43 Resp: 208658  
Ion Ratio Lower Upper  
43 100  
58 22.2 21.3 31.9





#19  
Isopropyl Alcohol  
Concen: 1.922 ppbv  
RT: 3.980 min Scan# 31  
Delta R.T. 0.023 min  
Lab File: VL039080.D  
Acq: 17 May 2022 22:17

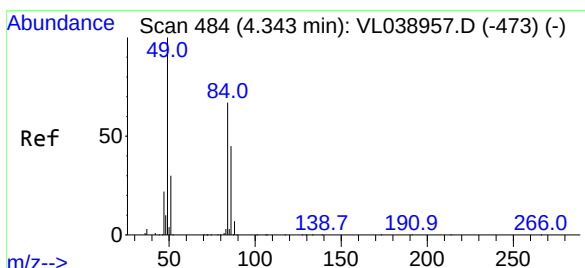
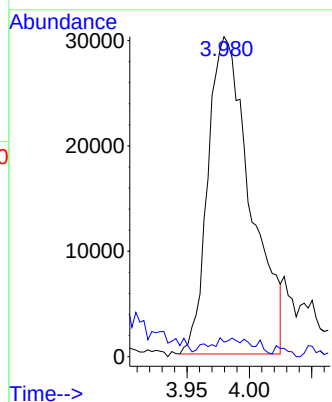
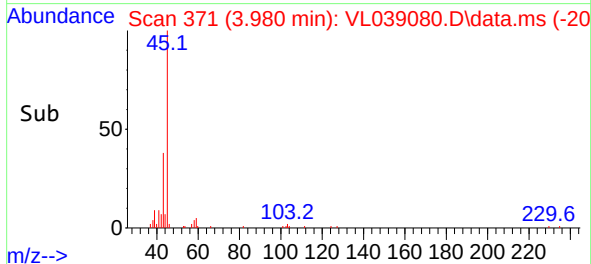
Instrument :  
MSVOA\_L  
ClientSampleId :  
1161-8.01-SG-5DL



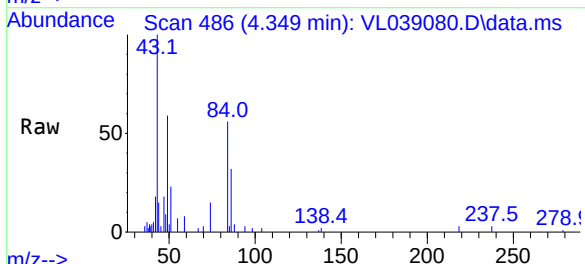
Tgt Ion: 45 Resp: 71280  
Ion Ratio Lower Upper  
45 100  
58 7.3 1.4 2.2

Manual Integrations  
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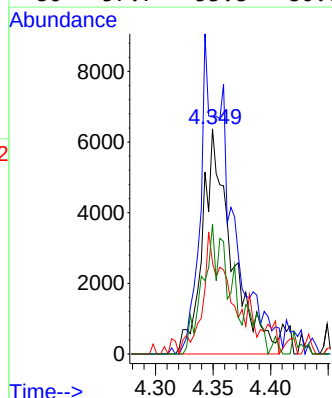
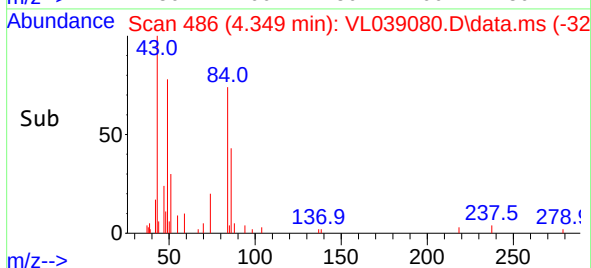
Reviewed By :Semsettin Yesilyurt 05/18/2022  
Supervised By :Mahesh Dadoda 05/20/2022

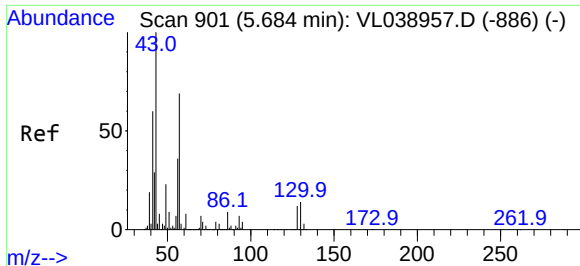


#20  
Methylene Chloride  
Concen: 0.382 ppbv m  
RT: 4.349 min Scan# 486  
Delta R.T. 0.006 min  
Lab File: VL039080.D  
Acq: 17 May 2022 22:17



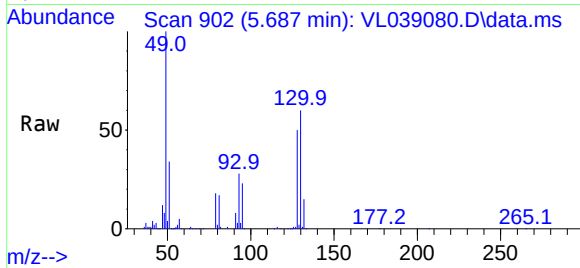
Tgt Ion: 84 Resp: 11222  
Ion Ratio Lower Upper  
84 100  
49 105.5 119.9 179.9#  
51 40.6 35.7 53.5  
86 57.7 53.8 80.6





#26  
Hexane  
Concen: 0.193 ppbv m  
RT: 5.687 min Scan# 901  
Delta R.T. 0.003 min  
Lab File: VL039080.D  
Acq: 17 May 2022 22:17

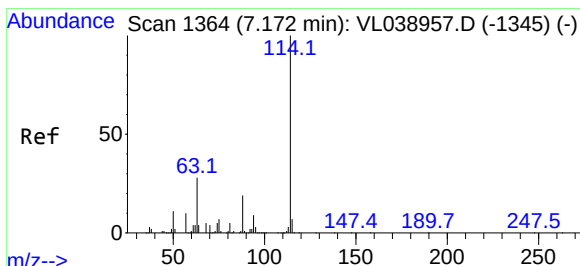
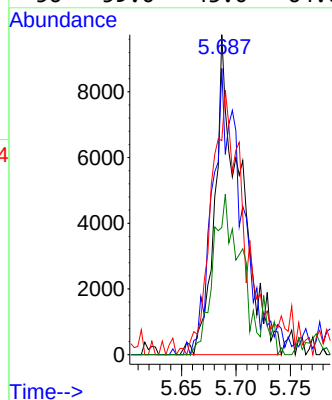
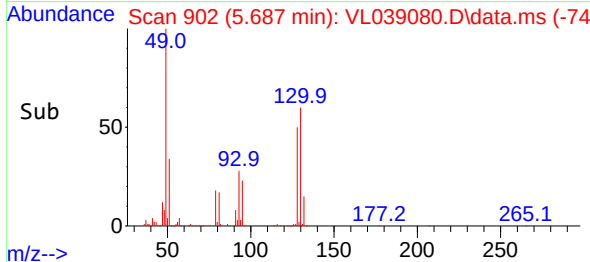
Instrument :  
MSVOA\_L  
ClientSampleId :  
1161-8.01-SG-5DL



Tgt Ion: 57 Resp: 15979  
Ion Ratio Lower Upper  
57 100  
41 105.8 75.2 112.8  
43 123.5 190.8 286.2  
56 59.0 43.0 64.6

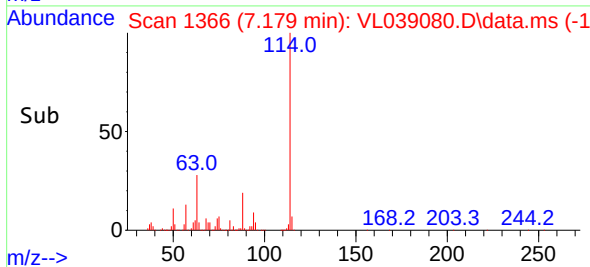
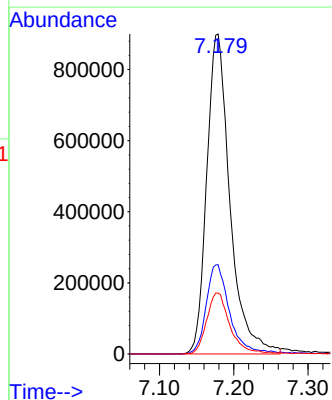
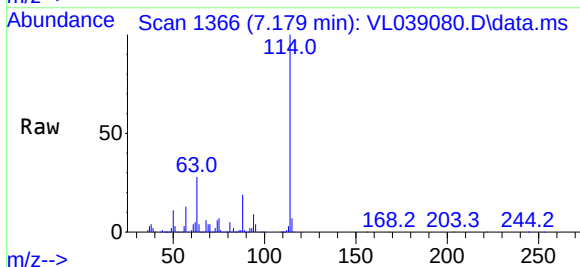
Manual Integrations  
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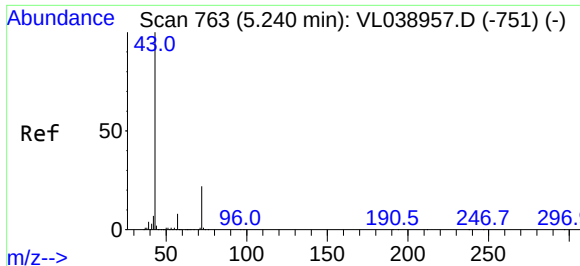
Reviewed By :Semsettin Yesilyurt 05/18/2022  
Supervised By :Mahesh Dadoda 05/20/2022



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.179 min Scan# 1366  
Delta R.T. 0.006 min  
Lab File: VL039080.D  
Acq: 17 May 2022 22:17

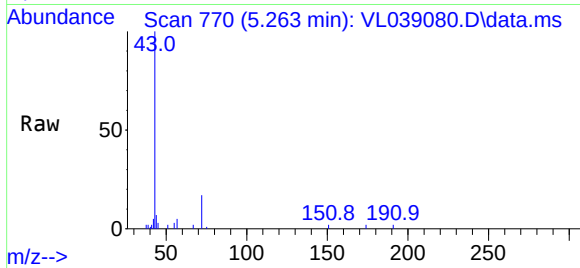
Tgt Ion:114 Resp: 1954697  
Ion Ratio Lower Upper  
114 100  
63 28.7 22.6 33.8  
88 19.5 15.4 23.0





#34  
2-Butanone  
Concen: 0.260 ppbv m  
RT: 5.263 min Scan# 71  
Delta R.T. 0.023 min  
Lab File: VL039080.D  
Acq: 17 May 2022 22:17

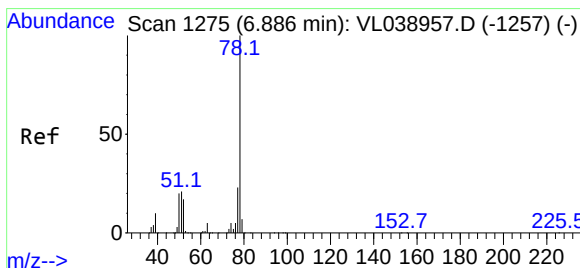
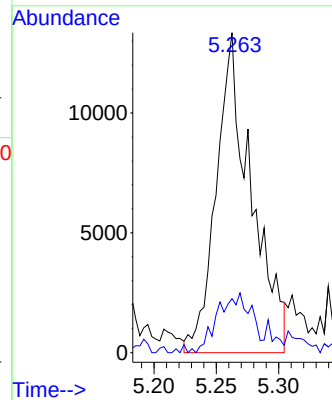
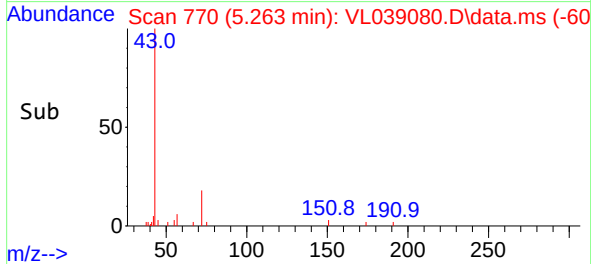
Instrument :  
MSVOA\_L  
ClientSampleId :  
1161-8.01-SG-5DL



Tgt Ion: 43 Resp: 25970  
Ion Ratio Lower Upper  
43 100  
72 0.0 17.8 26.6

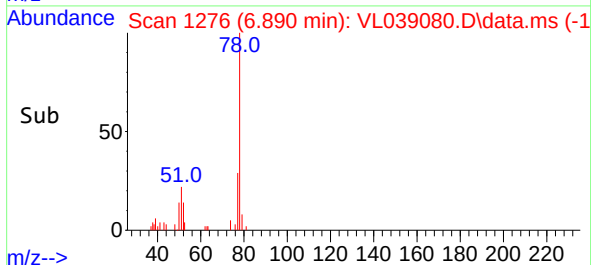
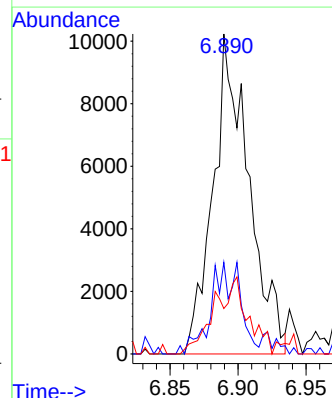
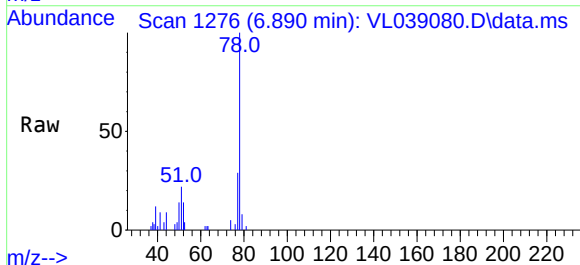
Manual Integrations  
APPROVED

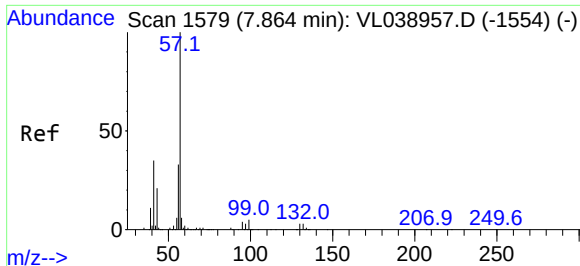
Reviewed By :Semsettin Yesilyurt 05/18/2022  
Supervised By :Mahesh Dadoda 05/20/2022



#36  
Benzene  
Concen: 0.112 ppbv m  
RT: 6.890 min Scan# 1276  
Delta R.T. 0.003 min  
Lab File: VL039080.D  
Acq: 17 May 2022 22:17

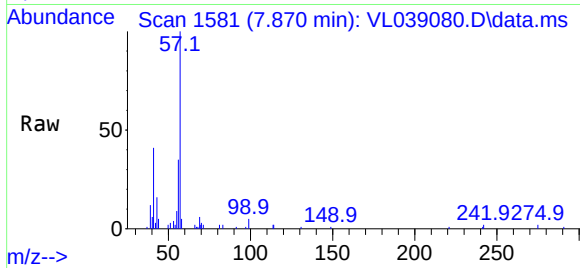
Tgt Ion: 78 Resp: 18724  
Ion Ratio Lower Upper  
78 100  
77 28.6 18.6 28.0#  
50 14.2 15.6 23.4#





#44  
2,2,4-Trimethylpentane  
Concen: 0.114 ppbv  
RT: 7.870 min Scan# 1161  
Delta R.T. 0.006 min  
Lab File: VL039080.D  
Acq: 17 May 2022 22:17

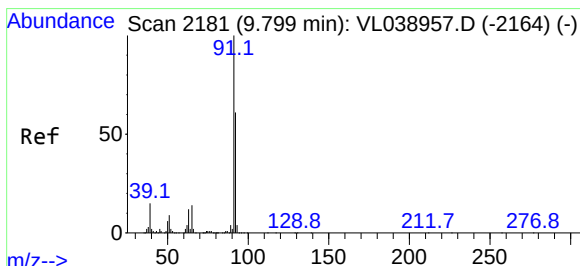
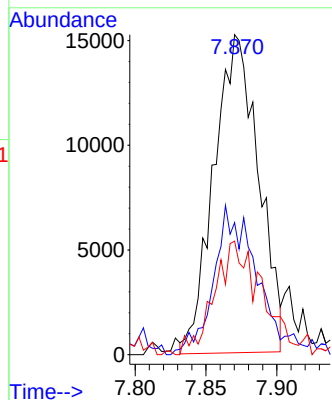
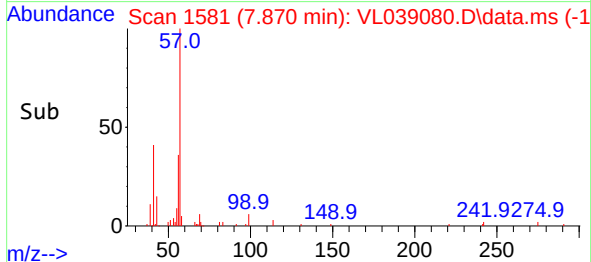
Instrument :  
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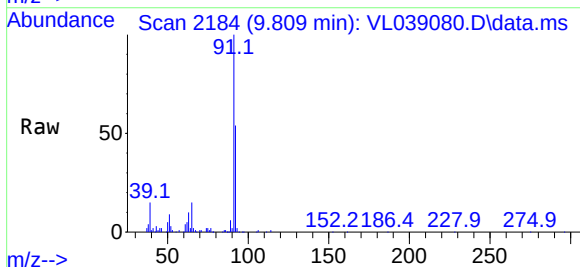
Tgt Ion: 57 Resp: 33320  
Ion Ratio Lower Upper  
57 100  
41 47.2 26.3 39.5  
56 39.4 24.6 37.0

Manual Integrations  
APPROVED

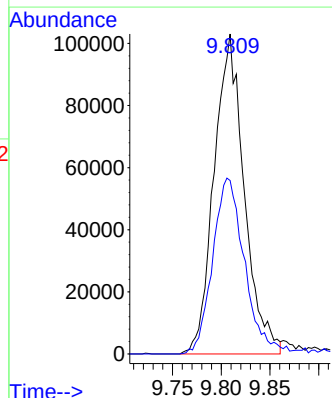
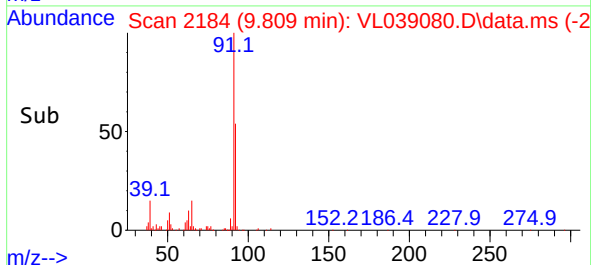
Reviewed By :Semsettin Yesilyurt 05/18/2022  
Supervised By :Mahesh Dadoda 05/20/2022



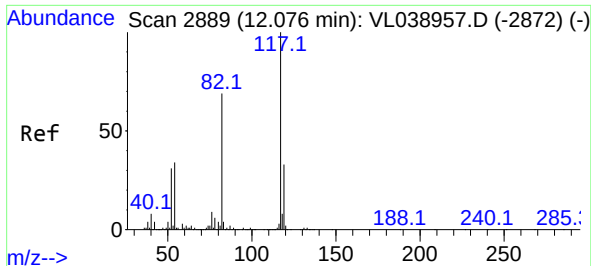
#53  
Toluene  
Concen: 1.182 ppbv  
RT: 9.809 min Scan# 2184  
Delta R.T. 0.010 min  
Lab File: VL039080.D  
Acq: 17 May 2022 22:17



Tgt Ion: 91 Resp: 221621  
Ion Ratio Lower Upper  
91 100  
92 59.6 48.2 72.2

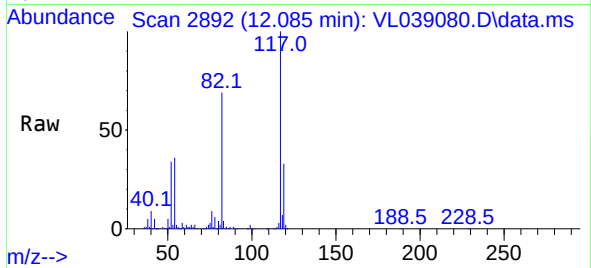






#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.085 min Scan# 2892  
Delta R.T. 0.010 min  
Lab File: VL039080.D  
Acq: 17 May 2022 22:17

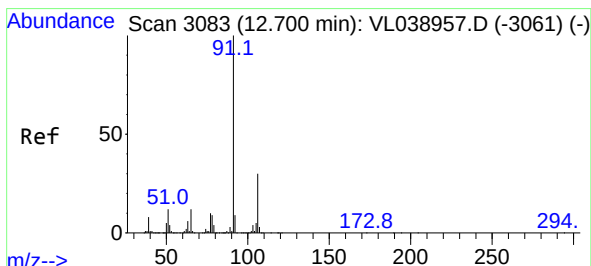
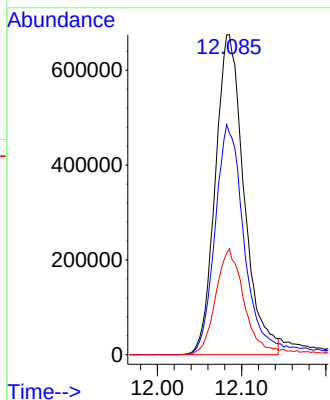
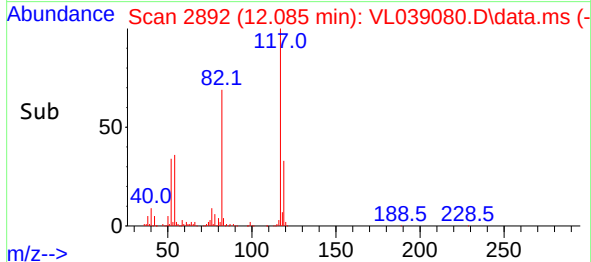
Instrument :  
MSVOA\_L  
ClientSampleId :  
1161-8.01-SG-5DL



Tgt Ion:117 Resp: 159606  
Ion Ratio Lower Upper  
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82 76.7 57.0 85.6  
119 33.7 27.2 40.8

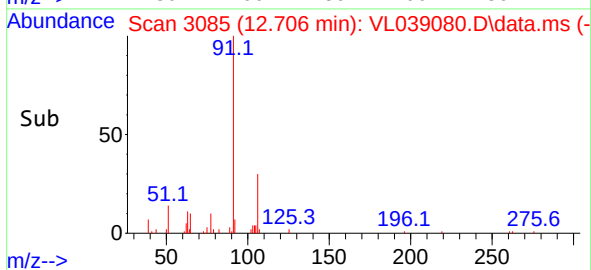
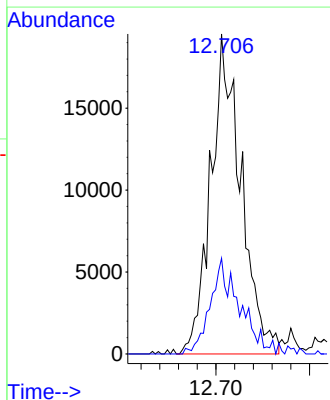
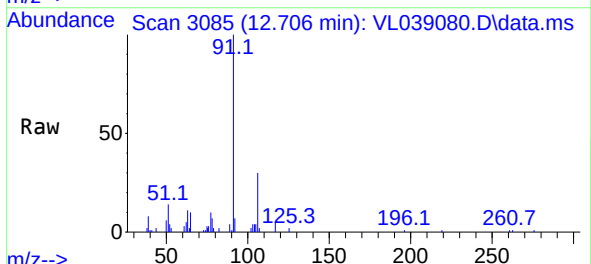
Manual Integrations  
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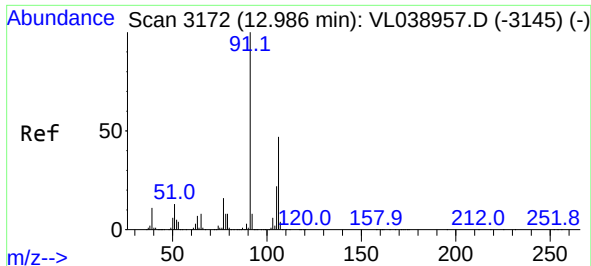
Reviewed By :Semsettin Yesilyurt 05/18/2022  
Supervised By :Mahesh Dadoda 05/20/2022



#58  
Ethyl Benzene  
Concen: 0.190 ppbv m  
RT: 12.706 min Scan# 3085  
Delta R.T. 0.006 min  
Lab File: VL039080.D  
Acq: 17 May 2022 22:17

Tgt Ion: 91 Resp: 43607  
Ion Ratio Lower Upper  
91 100  
106 29.9 24.2 36.4





#59

m/p-Xylene

Concen: 0.787 ppbv m

RT: 12.973 min Scan# 3172

Delta R.T. -0.013 min

Lab File: VL039080.D

Acq: 17 May 2022 22:17

Instrument :

MSVOA\_L

ClientSampleId :

1161-8.01-SG-5DL

Tgt Ion: 91 Resp: 15426

Ion Ratio Lower Upper

91 100

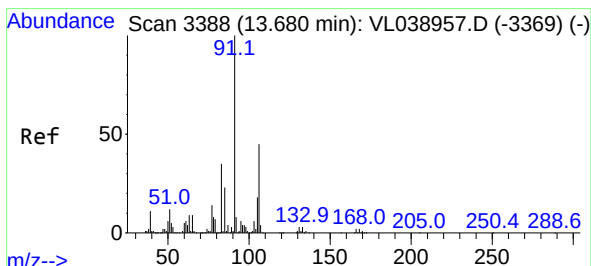
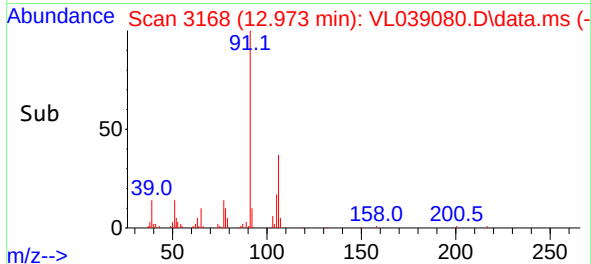
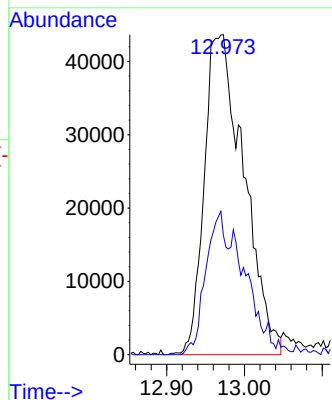
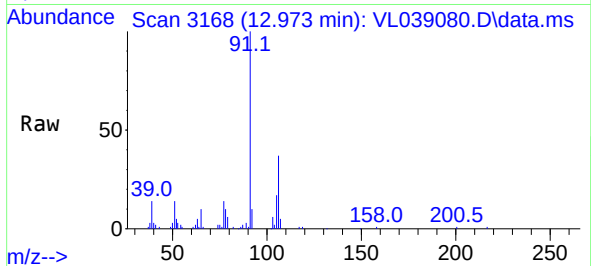
106 0.0 34.6 52.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/18/2022

Supervised By :Mahesh Dadoda 05/20/2022



#60

o-Xylene

Concen: 0.283 ppbv m

RT: 13.700 min Scan# 3394

Delta R.T. 0.019 min

Lab File: VL039080.D

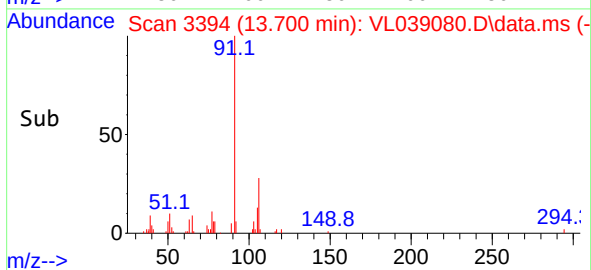
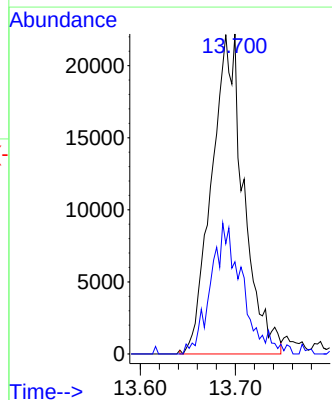
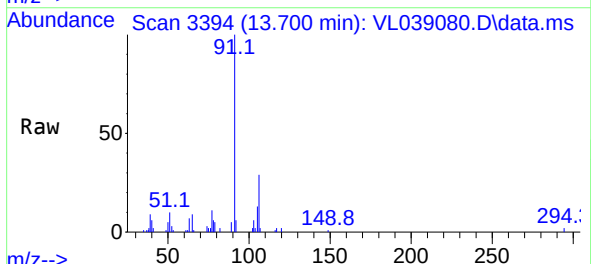
Acq: 17 May 2022 22:17

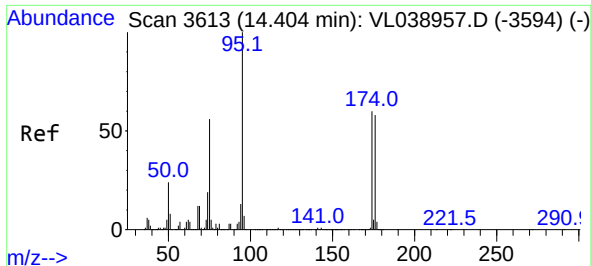
Tgt Ion: 91 Resp: 52149

Ion Ratio Lower Upper

91 100

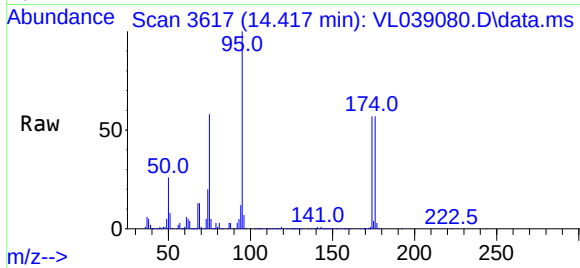
106 40.3 22.2 66.6





#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.712 ppbv  
RT: 14.417 min Scan# 30  
Delta R.T. 0.013 min  
Lab File: VL039080.D  
Acq: 17 May 2022 22:17

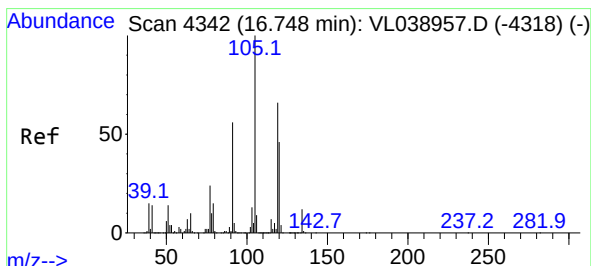
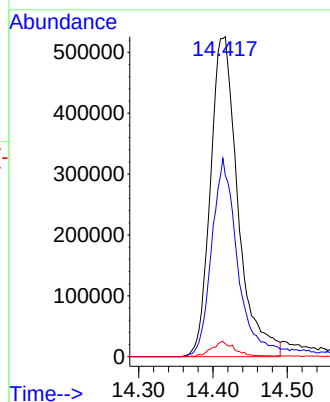
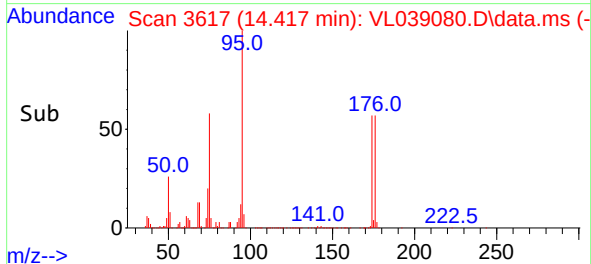
Instrument :  
MSVOA\_L  
ClientSampleId :  
1161-8.01-SG-5DL



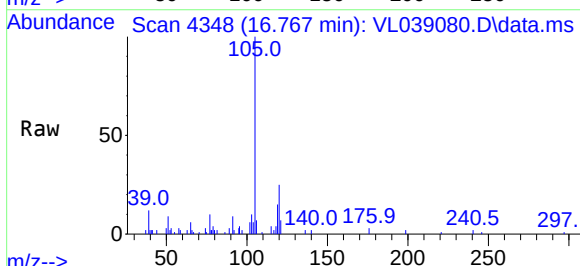
Tgt Ion: 95 Resp: 1353998  
Ion Ratio Lower Upper  
95 100  
174 62.4 50.8 76.2  
175 4.2 3.8 5.6

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 05/18/2022  
Supervised By :Mahesh Dadoda 05/20/2022



#74  
1,2,4-Trimethylbenzene  
Concen: 0.174 ppbv m  
RT: 16.767 min Scan# 4348  
Delta R.T. 0.019 min  
Lab File: VL039080.D  
Acq: 17 May 2022 22:17



Tgt Ion:105 Resp: 36010  
Ion Ratio Lower Upper  
105 100  
120 25.0 36.9 55.3#  
91 8.8 45.0 67.4#  
77 10.4 19.2 28.8#

