

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL102522\  
 Data File : VL039800.D  
 Acq On : 25 Oct 2022 23:19  
 Operator : SY/AP  
 Sample : N5227-09  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 I

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2022  
 Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 16:30:24 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL102422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2

QLast Update : Mon Oct 24 20:00:55 2022

Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.205  | 49    | 866553   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.658  | 114   | 2307879  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.465 | 117   | 2001538  | 10.000   | ppbv   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.774 | 95    | 1450362  | 10.186   | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 101.900% |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        | Qvalue   |
| 9) Propene                  | 2.710  | 41    | 674154   | 15.073   | ppbv   | 92       |
| 10) Heptane                 | 7.590  | 43    | 39432m   | 0.368    | ppbv   |          |
| 11) Trichlorofluoromethane  | 3.584  | 101   | 31444    | 0.248    | ppbv   | 95       |
| 15) Acetone                 | 3.494  | 43    | 611348   | 5.907    | ppbv   | 100      |
| 20) Methylene Chloride      | 3.951  | 84    | 17710    | 0.450    | ppbv   | 92       |
| 26) Hexane                  | 5.224  | 57    | 98348    | 1.169    | ppbv # | 36       |
| 29) Chloroform              | 5.282  | 83    | 49405    | 0.374    | ppbv # | 80       |
| 34) 2-Butanone              | 4.816  | 43    | 61460m   | 0.566    | ppbv   |          |
| 35) Carbon Tetrachloride    | 6.501  | 117   | 10284m   | 0.078    | ppbv   |          |
| 36) Benzene                 | 6.378  | 78    | 211986   | 1.193    | ppbv   | 98       |
| 53) Toluene                 | 9.227  | 91    | 206665   | 1.110    | ppbv   | 100      |
| 58) Ethyl Benzene           | 12.089 | 91    | 36655m   | 0.161    | ppbv   |          |
| 59) m/p-Xylene              | 12.352 | 91    | 75446m   | 0.367    | ppbv   |          |
| 60) o-Xylene                | 13.063 | 91    | 29649    | 0.154    | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene  | 16.117 | 105   | 35027m   | 0.155    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

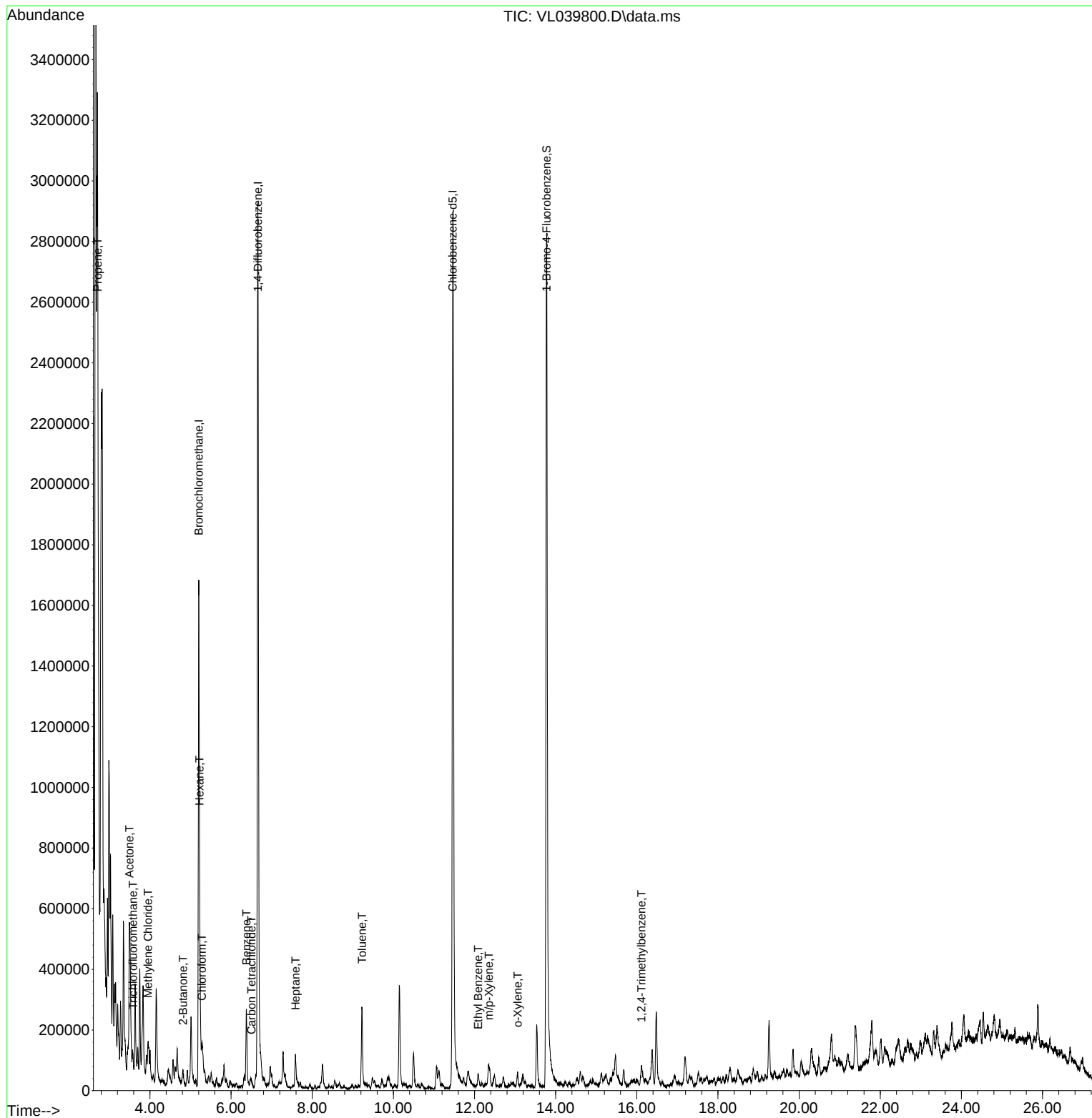
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL102522\  
Data File : VL039800.D  
Acq On : 25 Oct 2022 23:19  
Operator : SY/AP  
Sample : N5227-09  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

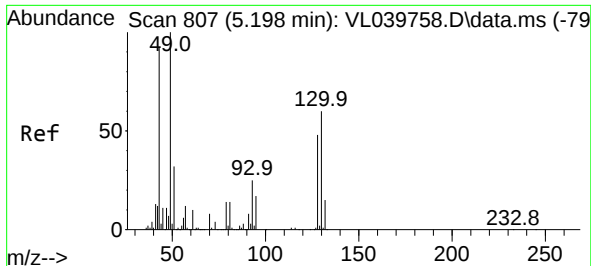
Instrument :  
MSVOA\_L  
ClientSampleId :  
|

Quant Time: Oct 27 16:30:24 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL102422AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Mon Oct 24 20:00:55 2022  
Response via : Initial Calibration

Manual Integrations  
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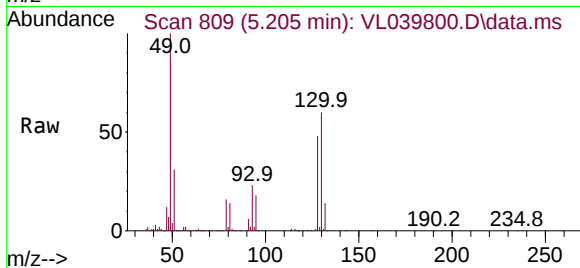
Reviewed By : Semsettin Yesilyurt 10/28/2022  
Supervised By : Mahesh Dadoda 10/31/2022





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.205 min Scan# 80  
Delta R.T. 0.007 min  
Lab File: VL039800.D  
Acq: 25 Oct 2022 23:19

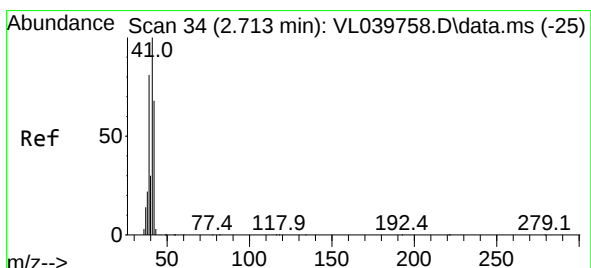
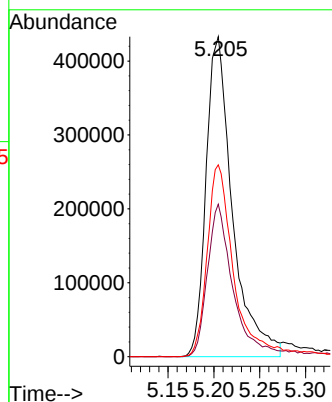
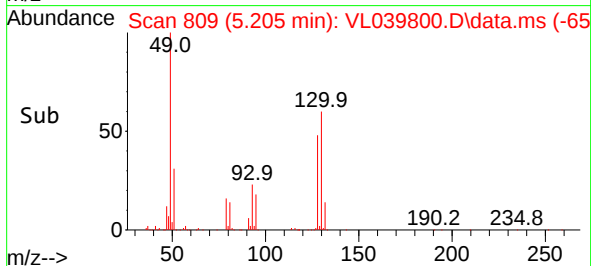
Instrument :  
MSVOA\_L  
ClientSampleId :



Tgt Ion: 49 Resp: 86655  
Ion Ratio Lower Upper  
49 100  
128 48.7 24.6 74.0  
130 61.3 31.8 95.3

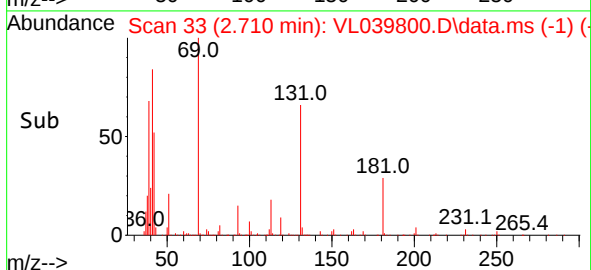
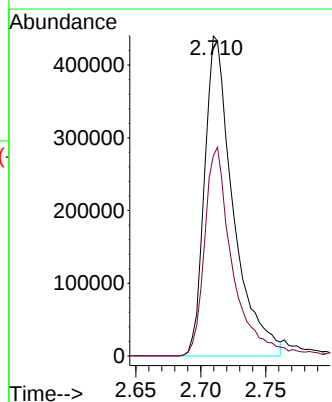
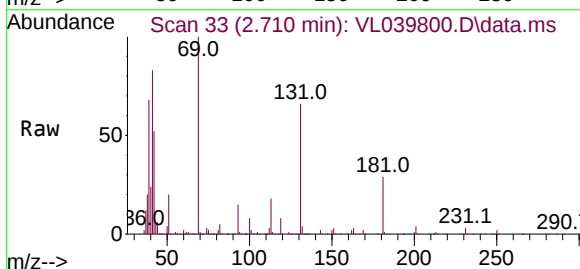
Manual Integrations  
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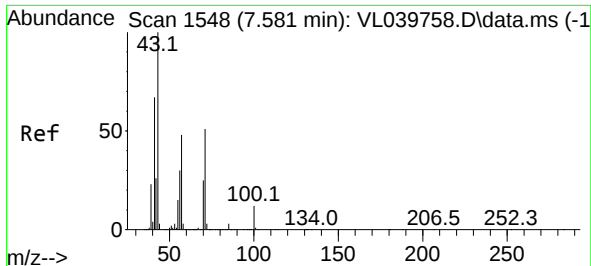
Reviewed By :Semsettin Yesilyurt 10/28/2022  
Supervised By :Mahesh Dadoda 10/31/2022



#9  
Propene  
Concen: 15.073 ppbv  
RT: 2.710 min Scan# 33  
Delta R.T. -0.003 min  
Lab File: VL039800.D  
Acq: 25 Oct 2022 23:19

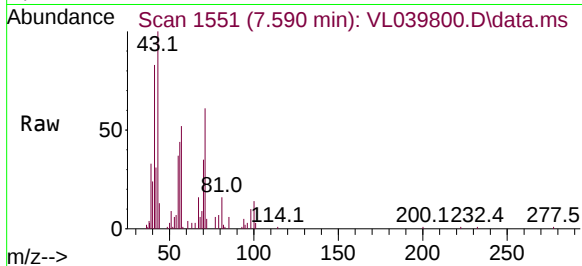
Tgt Ion: 41 Resp: 674154  
Ion Ratio Lower Upper  
41 100  
42 65.4 58.0 87.0





#10  
Heptane  
Concen: 0.368 ppbv m  
RT: 7.590 min Scan# 11  
Delta R.T. 0.010 min  
Lab File: VL039800.D  
Acq: 25 Oct 2022 23:19

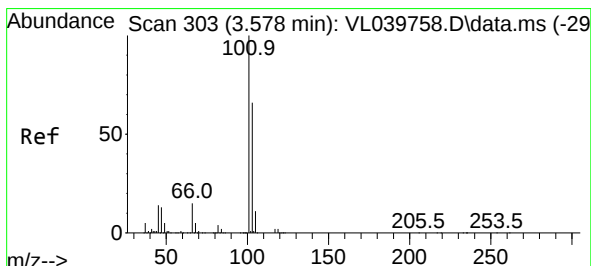
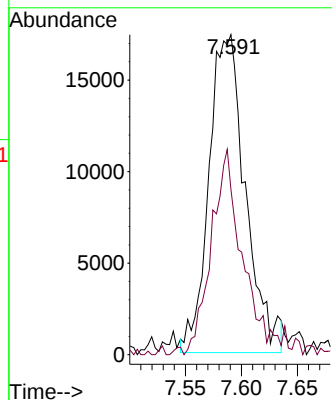
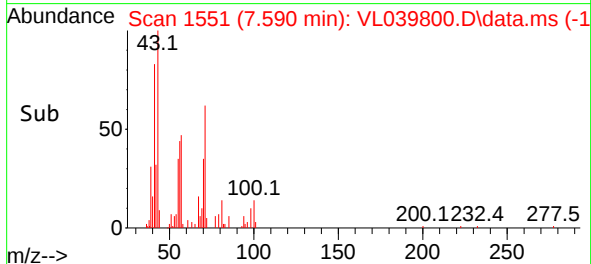
Instrument :  
MSVOA\_L  
ClientSampleId :



Tgt Ion: 43 Resp: 3943  
Ion Ratio Lower Upper  
43 100  
57 58.4 40.0 60.0

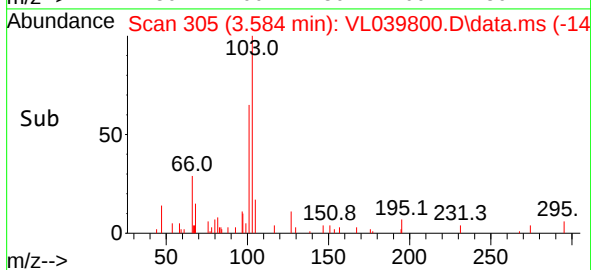
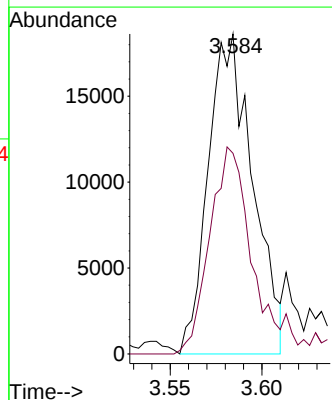
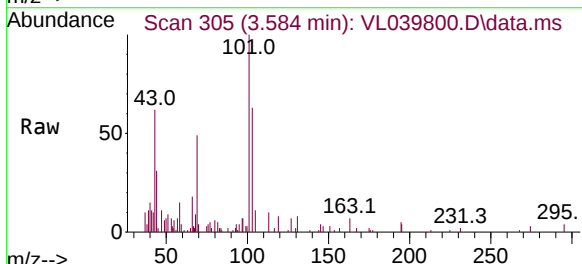
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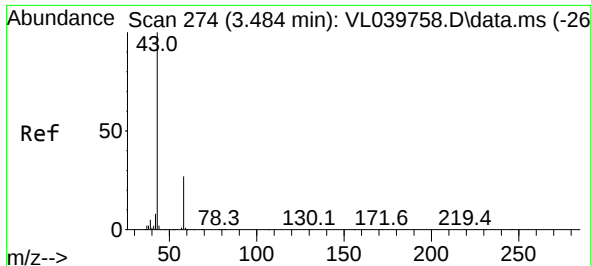
Reviewed By :Semsettin Yesilyurt 10/28/2022  
Supervised By :Mahesh Dadoda 10/31/2022



#11  
Trichlorofluoromethane  
Concen: 0.248 ppbv  
RT: 3.584 min Scan# 305  
Delta R.T. 0.007 min  
Lab File: VL039800.D  
Acq: 25 Oct 2022 23:19

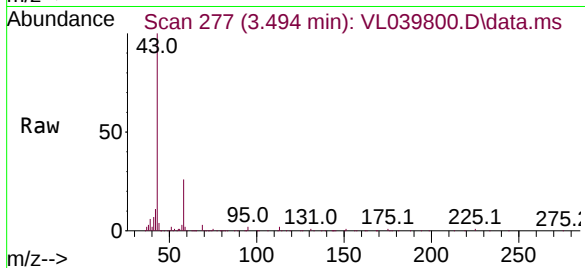
Tgt Ion:101 Resp: 31444  
Ion Ratio Lower Upper  
101 100  
103 61.6 52.7 79.1





#15  
Acetone  
Concen: 5.907 ppbv  
RT: 3.494 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VL039800.D  
Acq: 25 Oct 2022 23:19

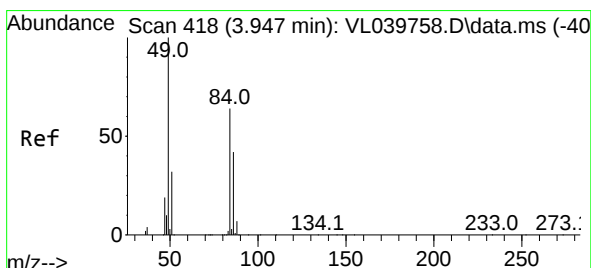
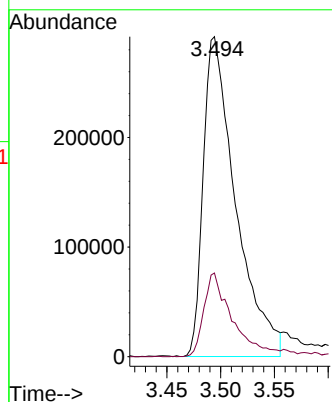
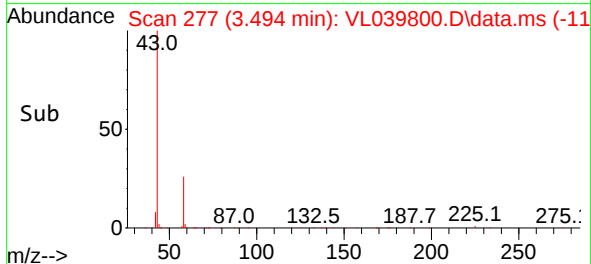
Instrument :  
MSVOA\_L  
ClientSampleId :



Tgt Ion: 43 Resp: 611348  
Ion Ratio Lower Upper  
43 100  
58 26.0 20.7 31.1

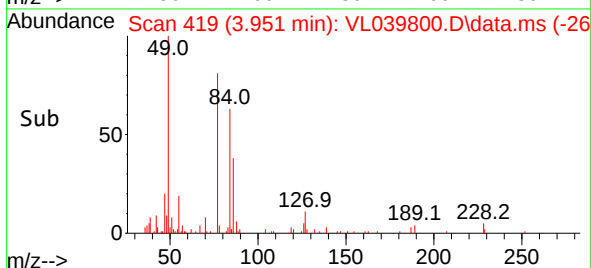
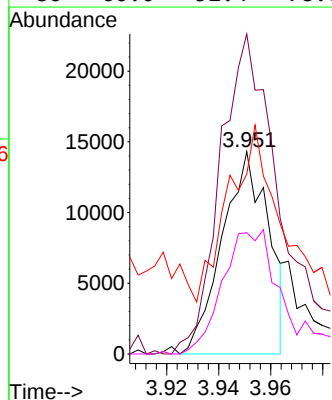
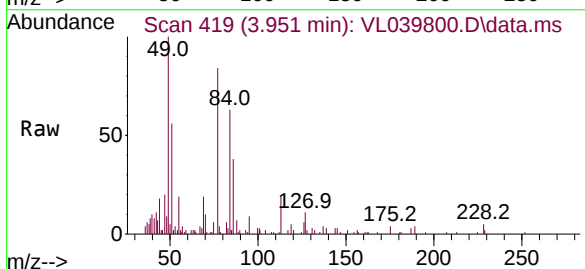
Manual Integrations  
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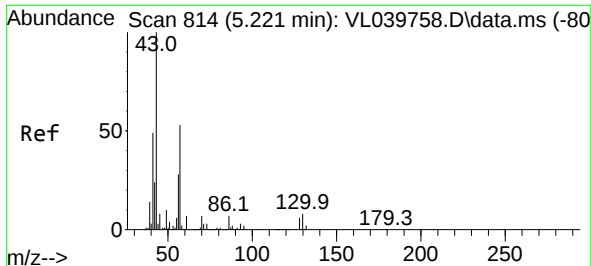
Reviewed By :Semsettin Yesilyurt 10/28/2022  
Supervised By :Mahesh Dadoda 10/31/2022



#20  
Methylene Chloride  
Concen: 0.450 ppbv  
RT: 3.951 min Scan# 419  
Delta R.T. 0.003 min  
Lab File: VL039800.D  
Acq: 25 Oct 2022 23:19

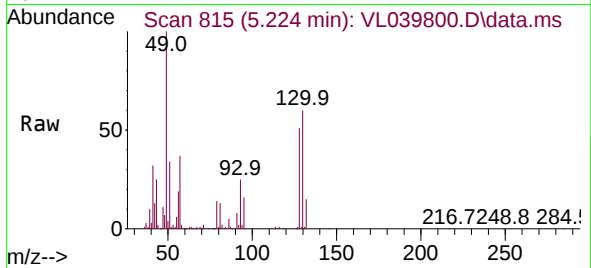
Tgt Ion: 84 Resp: 17710  
Ion Ratio Lower Upper  
84 100  
49 147.6 126.0 189.0  
51 44.4 40.9 61.3  
86 60.0 52.4 78.6





#26  
Hexane  
Concen: 1.169 ppbv  
RT: 5.224 min Scan# 814  
Delta R.T. 0.003 min  
Lab File: VL039800.D  
Acq: 25 Oct 2022 23:19

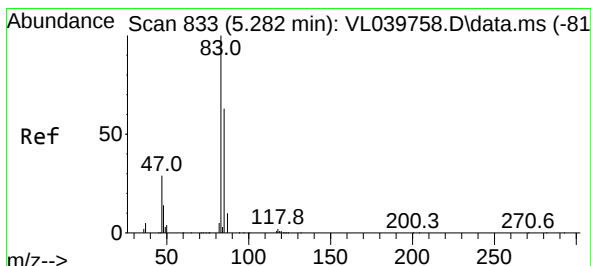
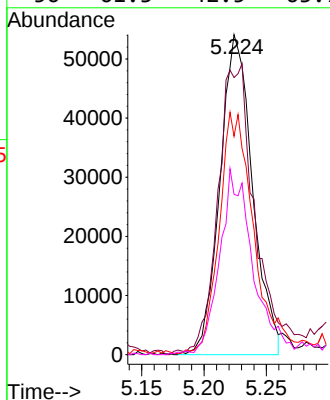
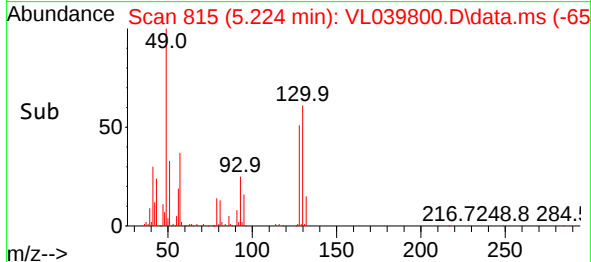
Instrument :  
MSVOA\_L  
ClientSampleId :



Tgt Ion: 57 Resp: 98348  
Ion Ratio Lower Upper  
57 100  
41 103.7 76.1 114.1  
43 80.3 197.1 295.7  
56 61.3 42.5 63.7

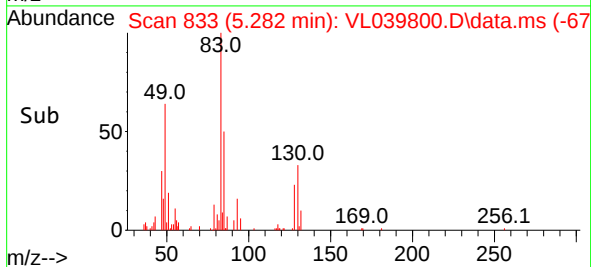
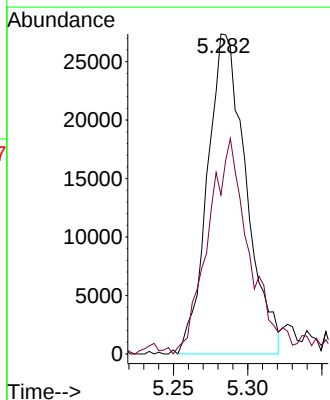
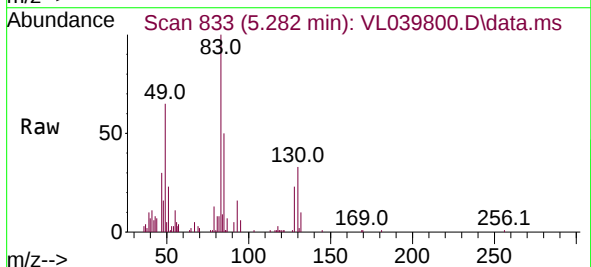
Manual Integrations  
APPROVED

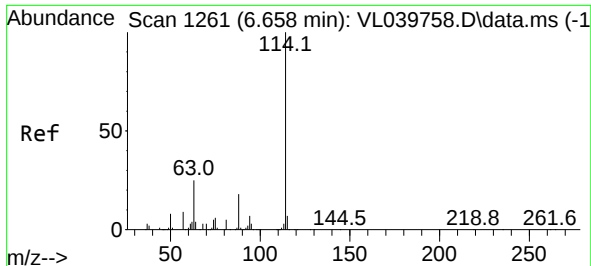
Reviewed By :Semsettin Yesilyurt 10/28/2022  
Supervised By :Mahesh Dadoda 10/31/2022



#29  
Chloroform  
Concen: 0.374 ppbv  
RT: 5.282 min Scan# 833  
Delta R.T. 0.000 min  
Lab File: VL039800.D  
Acq: 25 Oct 2022 23:19

Tgt Ion: 83 Resp: 49405  
Ion Ratio Lower Upper  
83 100  
85 47.6 50.4 75.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 1261

Delta R.T. 0.000 min

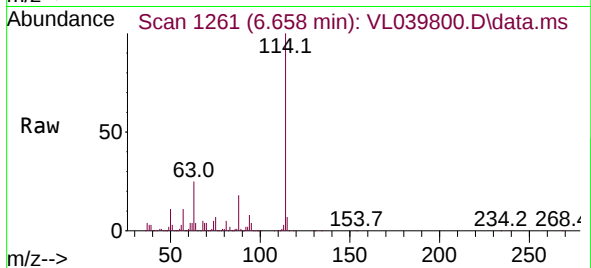
Lab File: VL039800.D

Acq: 25 Oct 2022 23:19

Instrument :

MSVOA\_L

ClientSampleId :



Tgt Ion:114 Resp: 2307879

Ion Ratio Lower Upper

114 100

63 25.0 20.1 30.1

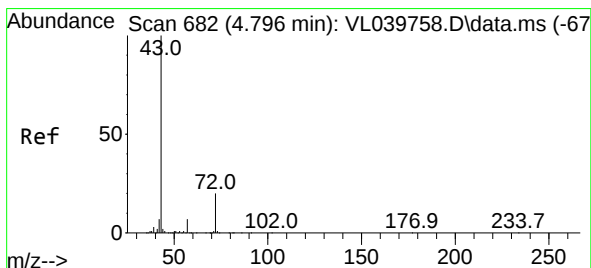
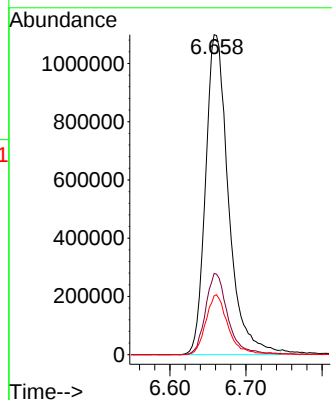
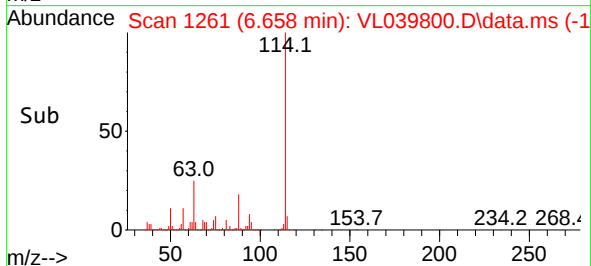
88 18.4 14.5 21.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/28/2022

Supervised By :Mahesh Dadoda 10/31/2022



#34

2-Butanone

Concen: 0.566 ppbv m

RT: 4.816 min Scan# 688

Delta R.T. 0.019 min

Lab File: VL039800.D

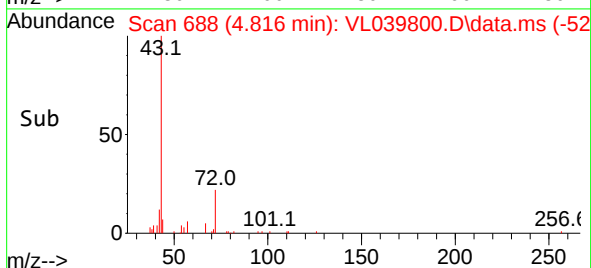
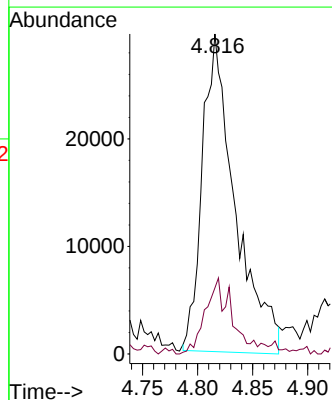
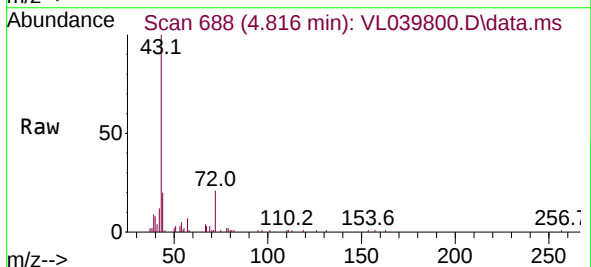
Acq: 25 Oct 2022 23:19

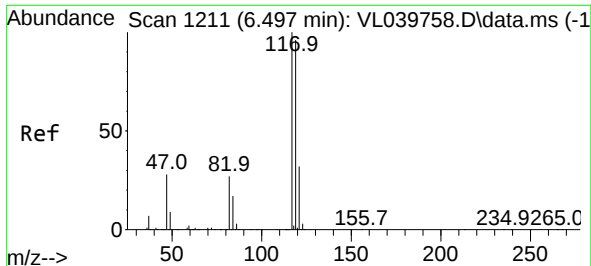
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Ion Ratio Lower Upper

43 100

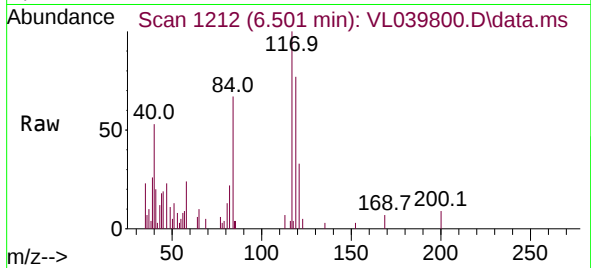
72 21.5 16.5 24.7





#35  
Carbon Tetrachloride  
Concen: 0.078 ppbv m  
RT: 6.501 min Scan# 117  
Delta R.T. 0.003 min  
Lab File: VL039800.D  
Acq: 25 Oct 2022 23:19

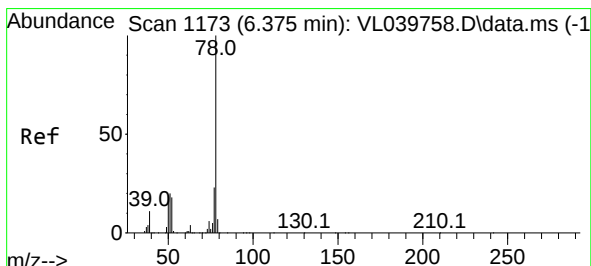
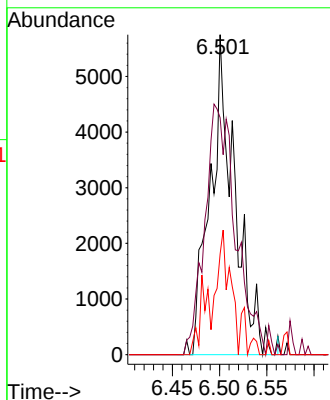
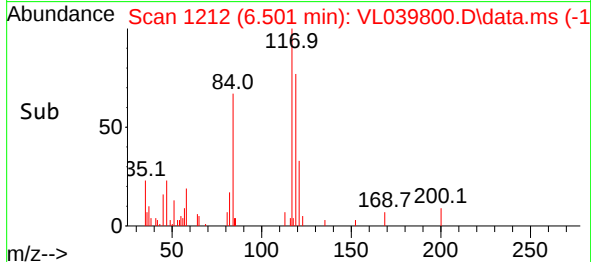
Instrument :  
MSVOA\_L  
ClientSampleId :



Tgt Ion: 117 Resp: 10284  
Ion Ratio Lower Upper  
117 100  
119 77.4 76.6 115.0  
121 32.8 25.3 37.9

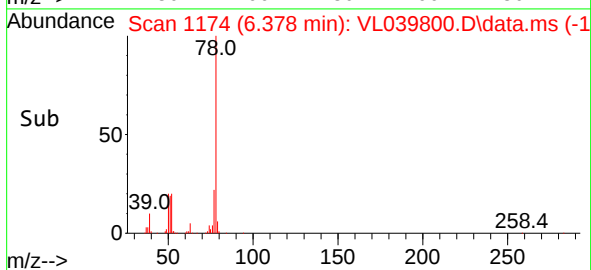
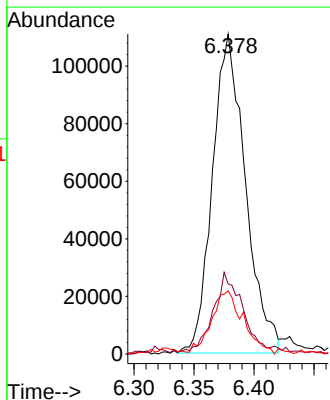
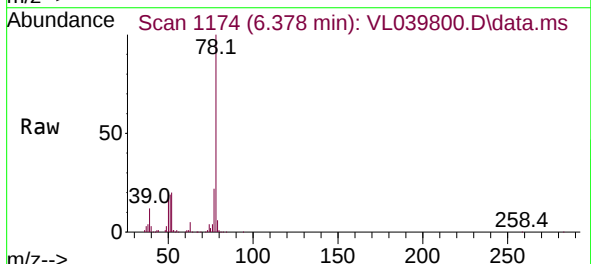
Manual Integrations  
APPROVED

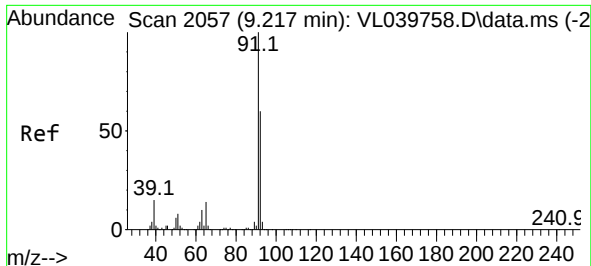
Reviewed By :Semsettin Yesilyurt 10/28/2022  
Supervised By :Mahesh Dadoda 10/31/2022



#36  
Benzene  
Concen: 1.193 ppbv  
RT: 6.378 min Scan# 1174  
Delta R.T. 0.003 min  
Lab File: VL039800.D  
Acq: 25 Oct 2022 23:19

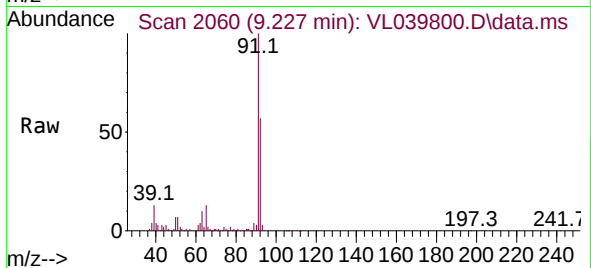
Tgt Ion: 78 Resp: 211986  
Ion Ratio Lower Upper  
78 100  
77 21.3 18.3 27.5  
50 19.2 15.2 22.8





#53  
Toluene  
Concen: 1.110 ppbv  
RT: 9.227 min Scan# 2057  
Delta R.T. 0.010 min  
Lab File: VL039800.D  
Acq: 25 Oct 2022 23:19

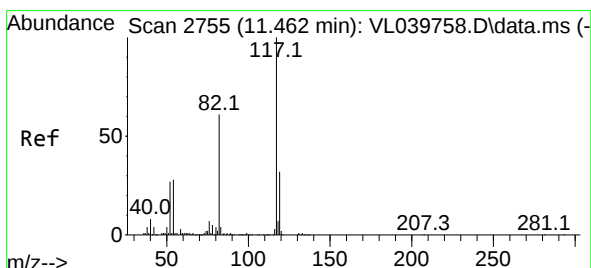
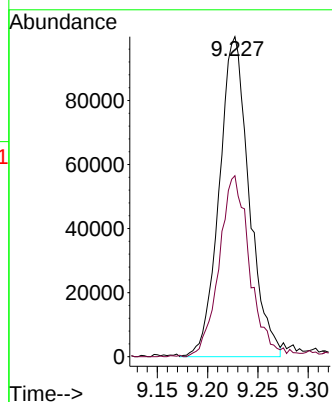
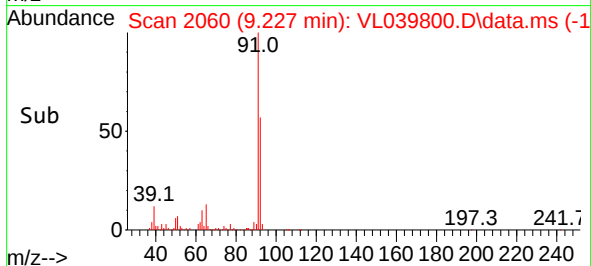
Instrument :  
MSVOA\_L  
ClientSampleId :



Tgt Ion: 91 Resp: 20666  
Ion Ratio Lower Upper  
91 100  
92 60.0 48.0 72.0

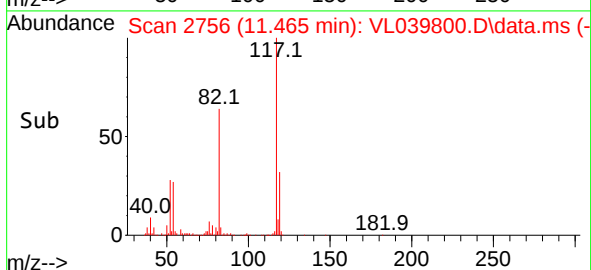
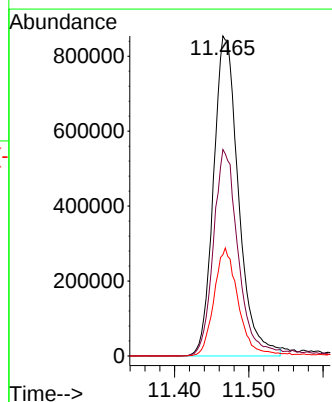
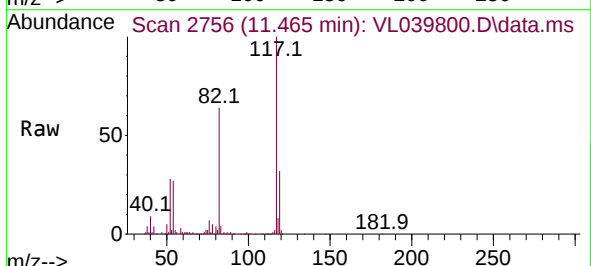
Manual Integrations  
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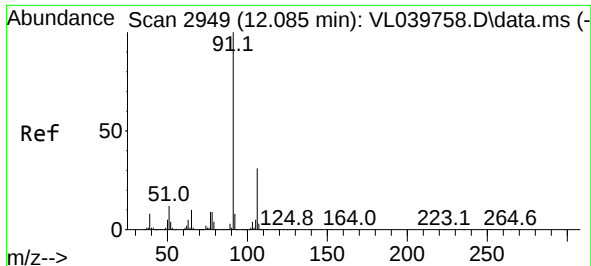
Reviewed By :Semsettin Yesilyurt 10/28/2022  
Supervised By :Mahesh Dadoda 10/31/2022



#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.465 min Scan# 2756  
Delta R.T. 0.003 min  
Lab File: VL039800.D  
Acq: 25 Oct 2022 23:19

Tgt Ion:117 Resp: 2001538  
Ion Ratio Lower Upper  
117 100  
82 66.1 49.9 74.9  
119 33.1 25.2 37.8





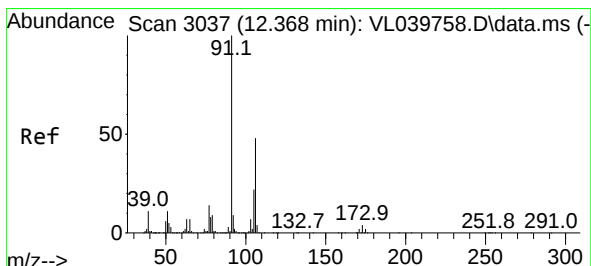
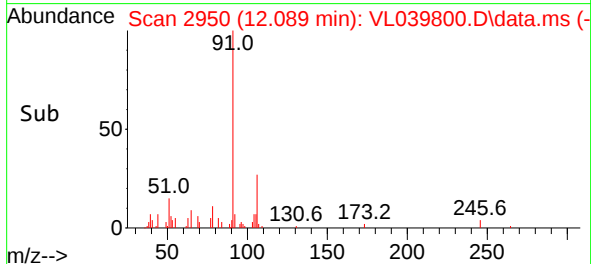
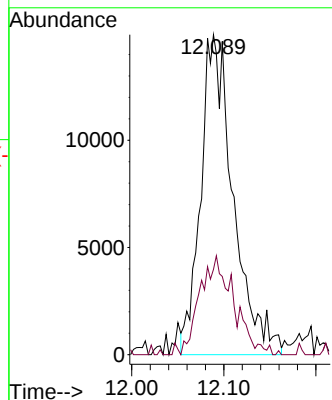
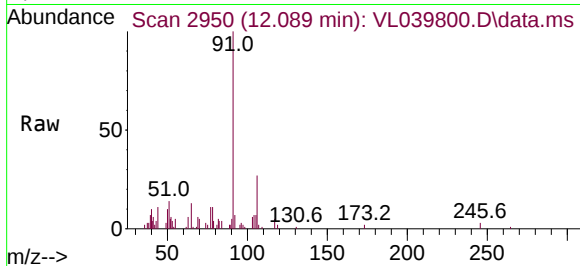
#58  
Ethyl Benzene  
Concen: 0.161 ppbv m  
RT: 12.089 min Scan# 2949  
Delta R.T. 0.003 min  
Lab File: VL039800.D  
Acq: 25 Oct 2022 23:19

Instrument :  
MSVOA\_L  
ClientSampleId :

Tgt Ion: 91 Resp: 3665  
Ion Ratio Lower Upper  
91 100  
106 26.6 24.6 36.8

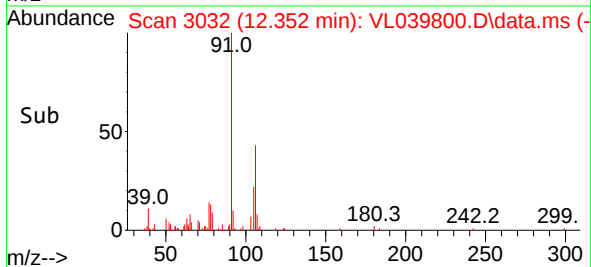
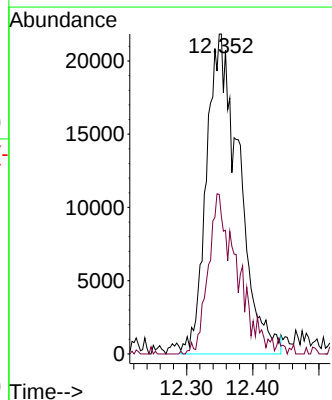
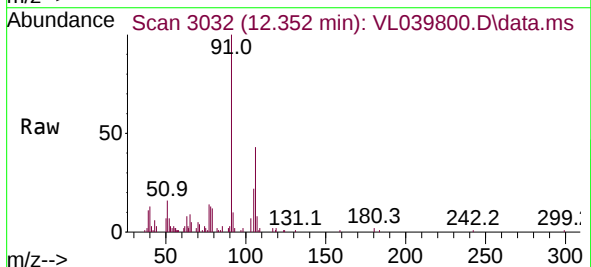
Manual Integrations  
APPROVED

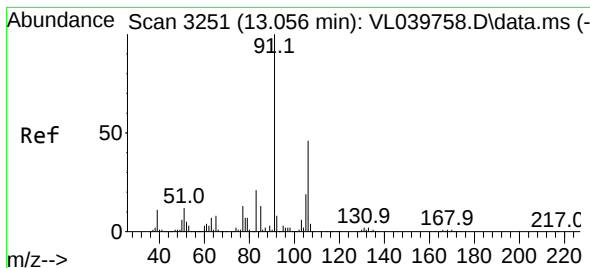
Reviewed By :Semsettin Yesilyurt 10/28/2022  
Supervised By :Mahesh Dadoda 10/31/2022



#59  
m/p-Xylene  
Concen: 0.367 ppbv m  
RT: 12.352 min Scan# 3032  
Delta R.T. -0.016 min  
Lab File: VL039800.D  
Acq: 25 Oct 2022 23:19

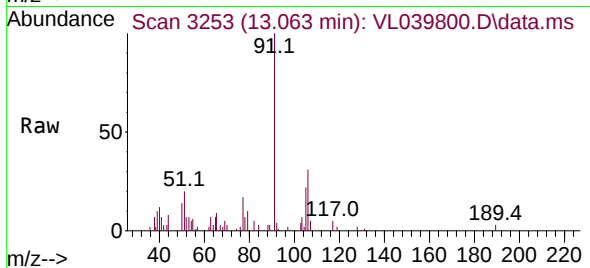
Tgt Ion: 91 Resp: 75446  
Ion Ratio Lower Upper  
91 100  
106 0.0 36.4 54.6#





#60  
o-Xylene  
Concen: 0.154 ppbv  
RT: 13.063 min Scan# 3251  
Delta R.T. 0.007 min  
Lab File: VL039800.D  
Acq: 25 Oct 2022 23:19

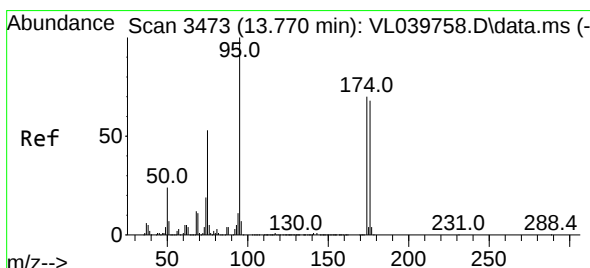
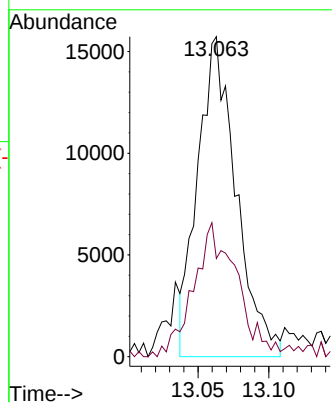
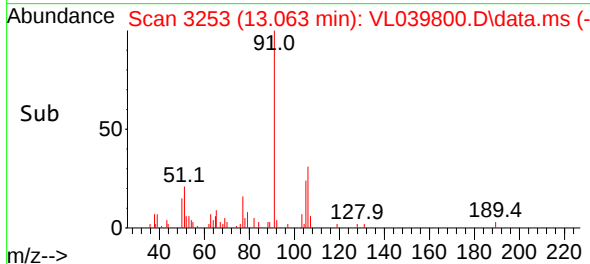
Instrument :  
MSVOA\_L  
ClientSampleId :



Tgt Ion: 91 Resp: 29649  
Ion Ratio Lower Upper  
91 100  
106 47.3 22.9 68.8

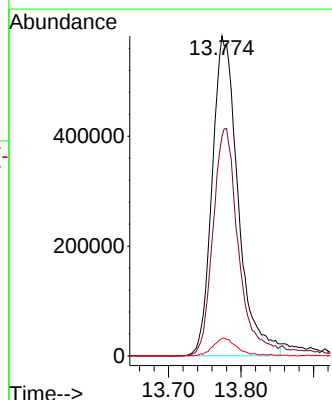
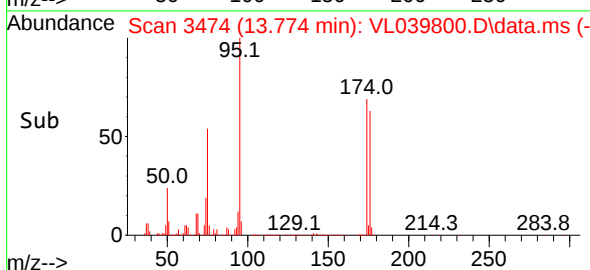
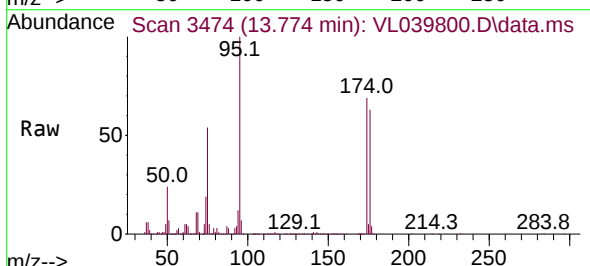
Manual Integrations  
APPROVED

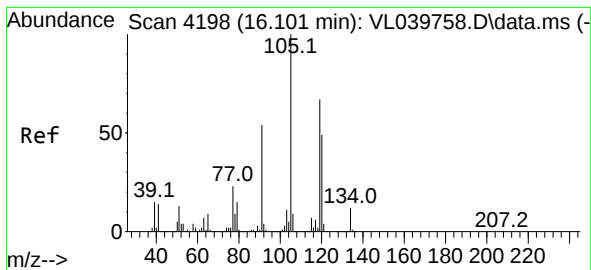
Reviewed By :Semsettin Yesilyurt 10/28/2022  
Supervised By :Mahesh Dadoda 10/31/2022



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.186 ppbv  
RT: 13.774 min Scan# 3474  
Delta R.T. 0.003 min  
Lab File: VL039800.D  
Acq: 25 Oct 2022 23:19

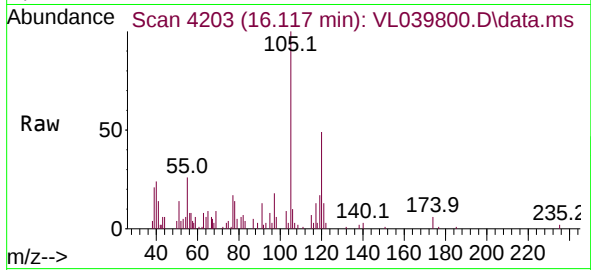
Tgt Ion: 95 Resp: 1450362  
Ion Ratio Lower Upper  
95 100  
174 73.1 57.3 85.9  
175 5.4 4.2 6.2





#74  
1,2,4-Trimethylbenzene  
Concen: 0.155 ppbv m  
RT: 16.117 min Scan# 4198  
Delta R.T. 0.016 min  
Lab File: VL039800.D  
Acq: 25 Oct 2022 23:19

Instrument :  
MSVOA\_L  
ClientSampleId :



Tgt Ion:105 Resp: 3502  
Ion Ratio Lower Upper  
105 100  
120 49.2 39.6 59.4  
91 13.3 42.9 64.3  
77 16.5 18.2 27.4#

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2022  
Supervised By :Mahesh Dadoda 10/31/2022

