

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL062422\  
 Data File : VL039344.D  
 Acq On : 24 Jun 2022 17:01  
 Operator : SY/AP  
 Sample : N3489-03DL 20X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV-5-20220622DL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2022  
 Supervised By :Mahesh Dadoda 06/30/2022

Quant Time: Jun 27 01:51:36 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Jun 01 01:22:18 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.668  | 49    | 1233631  | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 7.173  | 114   | 3396063  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 12.082 | 117   | 3033148  | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 14.410 | 95    | 2197614  | 8.764    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 87.600%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 9) Propene                  | 3.015  | 41    | 315181   | 4.605    | ppbv   | 93       |
| 13) Ethanol                 | 3.604  | 45    | 27929m   | 7.483    | ppbv   |          |
| 15) Acetone                 | 3.848  | 43    | 1913841  | 14.893   | ppbv   | 93       |
| 17) tert-Butyl alcohol      | 4.298  | 59    | 19922m   | 0.200    | ppbv   |          |
| 19) Isopropyl Alcohol       | 3.970  | 45    | 246642   | 4.092    | ppbv # | 1        |
| 20) Methylene Chloride      | 4.343  | 84    | 53523    | 0.988    | ppbv   | 92       |
| 26) Hexane                  | 5.684  | 57    | 57232    | 0.450    | ppbv # | 35       |
| 27) Carbon Disulfide        | 4.549  | 76    | 15691m   | 0.119    | ppbv   |          |
| 34) 2-Butanone              | 5.250  | 43    | 191318   | 1.037    | ppbv # | 89       |
| -----                       |        |       |          |          |        |          |

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

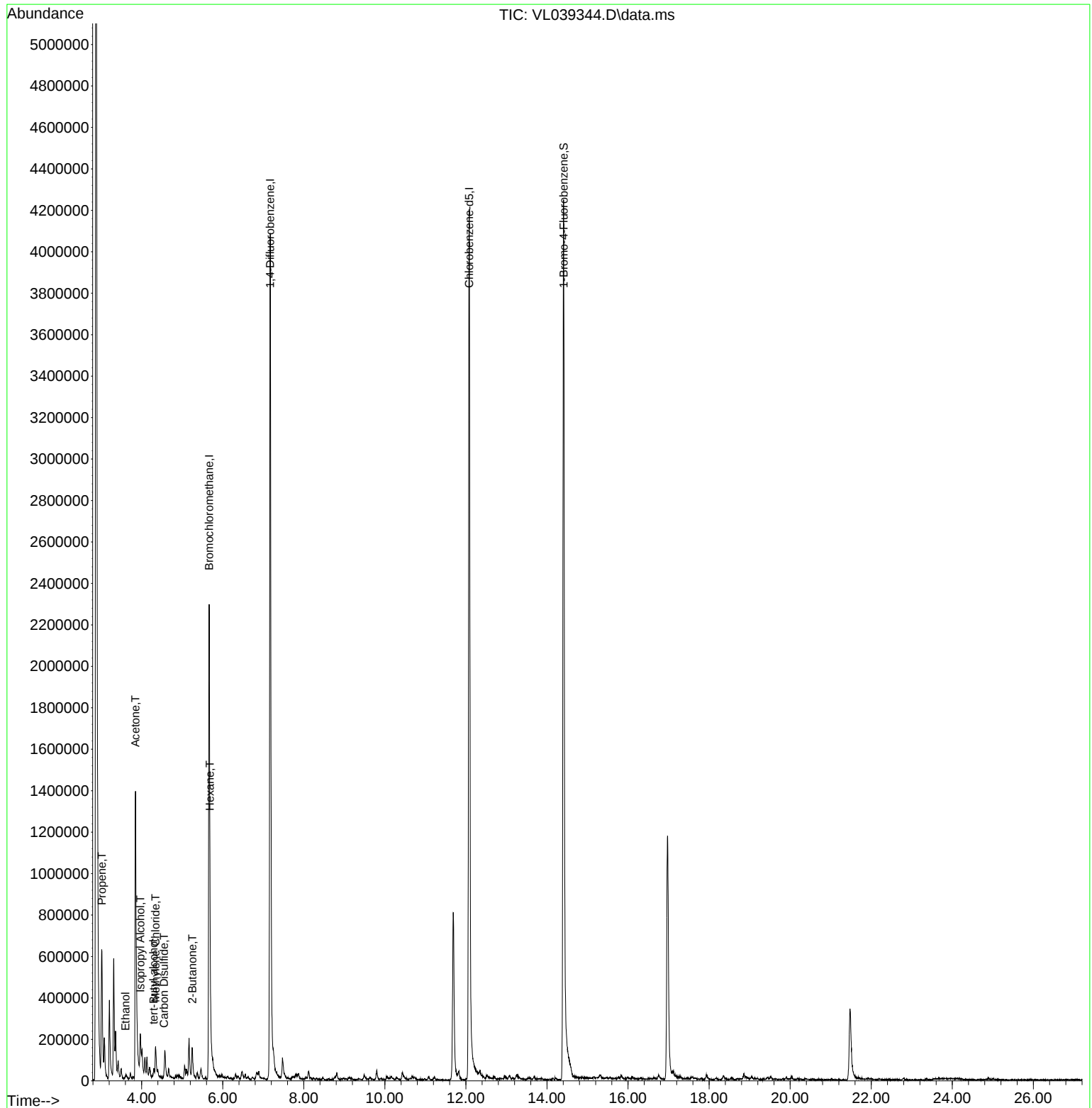
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL062422\  
Data File : VL039344.D  
Acq On : 24 Jun 2022 17:01  
Operator : SY/AP  
Sample : N3489-03DL 20X  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

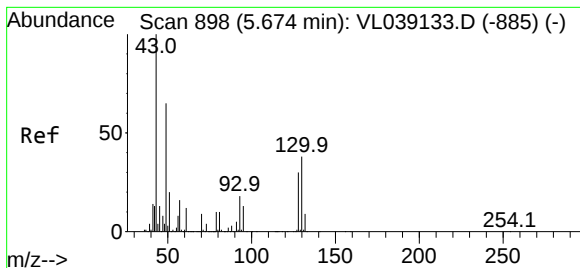
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV-5-20220622DL

Quant Time: Jun 27 01:51:36 2022  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL053122AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Jun  
QLast Update : Wed Jun 01 01:22:18 2022  
Response via : Initial Calibration

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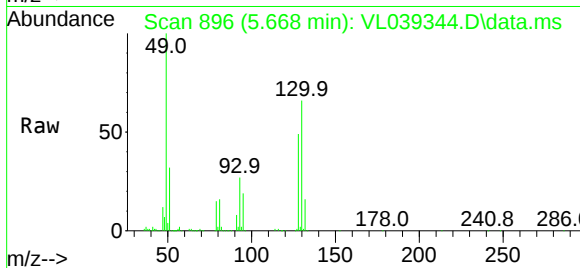
Reviewed By :Semsettin Yesilyurt 06/27/2022  
Supervised By :Mahesh Dadoda 06/30/2022





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.668 min Scan# 89  
Delta R.T. -0.006 min  
Lab File: VL039344.D  
Acq: 24 Jun 2022 17:01

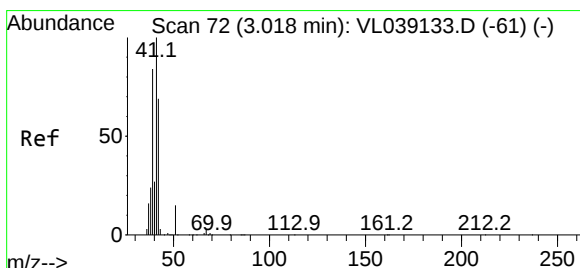
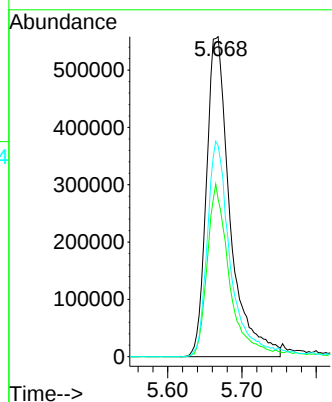
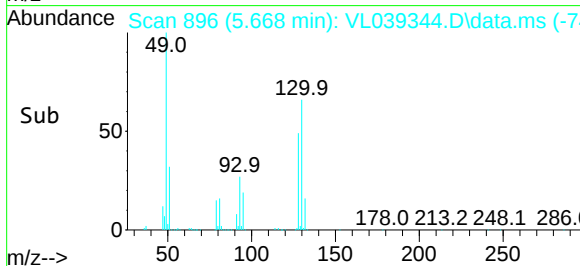
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV-5-20220622DL



Tgt Ion: 49 Resp: 123363  
Ion Ratio Lower Upper  
49 100  
128 52.3 24.7 74.1  
130 67.7 31.4 94.0

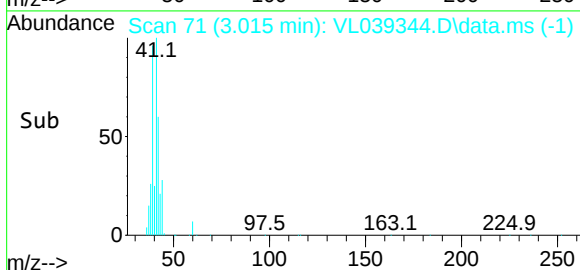
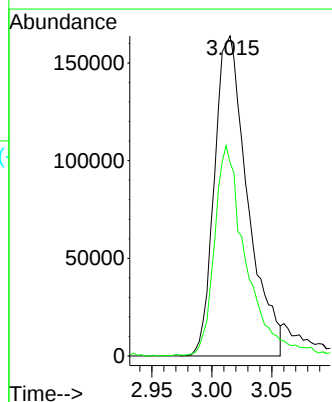
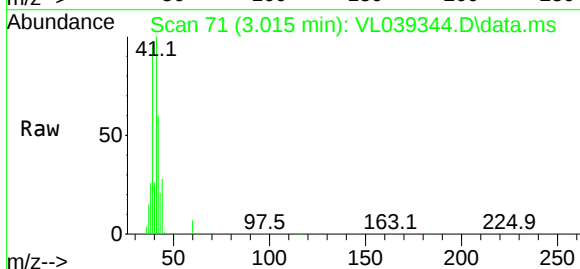
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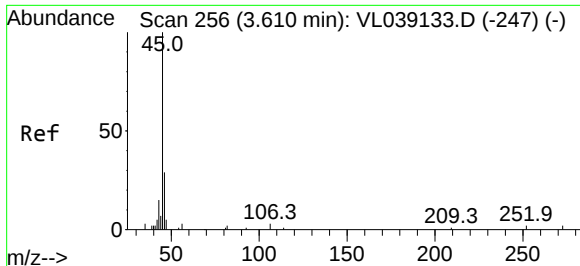
Reviewed By :Semsettin Yesilyurt 06/27/2022  
Supervised By :Mahesh Dadoda 06/30/2022



#9  
Propene  
Concen: 4.605 ppbv  
RT: 3.015 min Scan# 71  
Delta R.T. -0.003 min  
Lab File: VL039344.D  
Acq: 24 Jun 2022 17:01

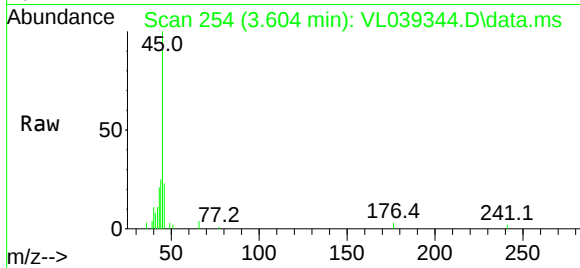
Tgt Ion: 41 Resp: 315181  
Ion Ratio Lower Upper  
41 100  
42 63.2 55.4 83.2





#13  
Ethanol  
Concen: 7.483 ppbv  
RT: 3.604 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VL039344.D  
Acq: 24 Jun 2022 17:01

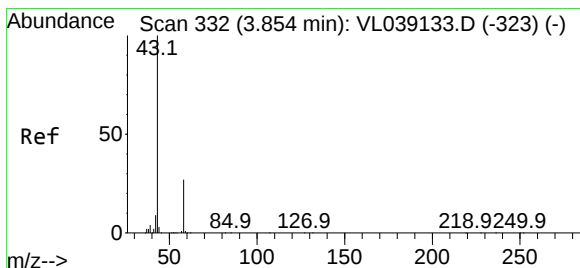
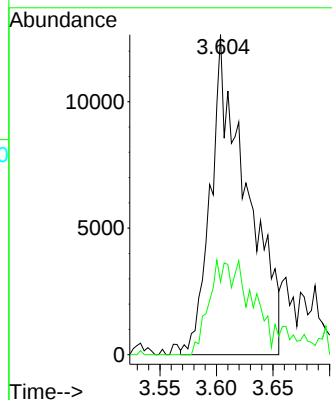
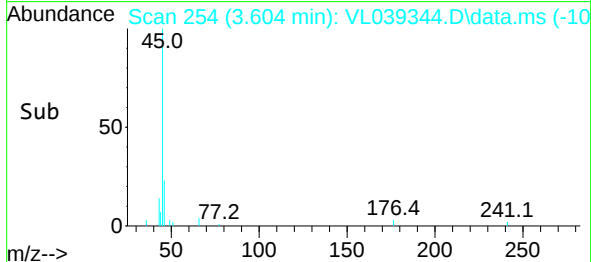
Instrument :  
MSVOA\_L  
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Tgt Ion: 45 Resp: 27929  
Ion Ratio Lower Upper  
45 100  
46 44.0 0.0 0.0

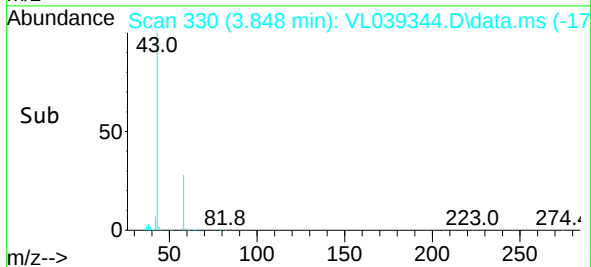
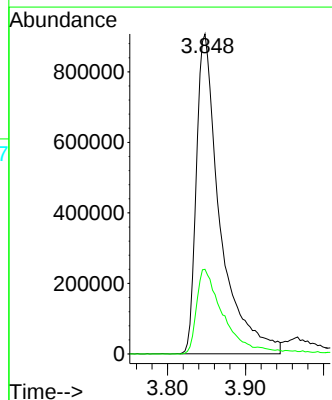
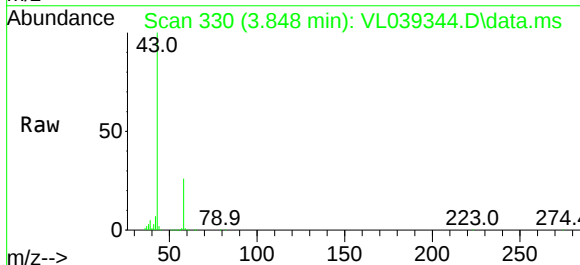
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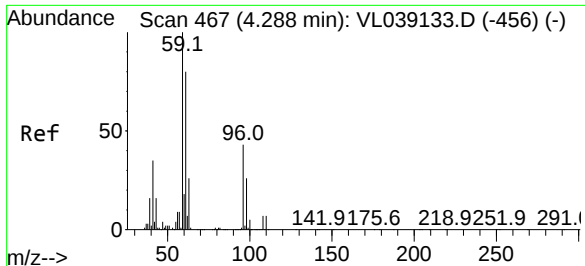
Reviewed By :Semsettin Yesilyurt 06/27/2022  
Supervised By :Mahesh Dadoda 06/30/2022



#15  
Acetone  
Concen: 14.893 ppbv  
RT: 3.848 min Scan# 330  
Delta R.T. -0.006 min  
Lab File: VL039344.D  
Acq: 24 Jun 2022 17:01

Tgt Ion: 43 Resp: 1913841  
Ion Ratio Lower Upper  
43 100  
58 31.8 22.5 33.7





#17

tert-Butyl alcohol

Concen: 0.200 ppbv m

RT: 4.298 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL039344.D

Acq: 24 Jun 2022 17:01

Instrument :

MSVOA\_L

ClientSampleId :

SV-5-20220622DL

Tgt Ion: 59 Resp: 1992

Ion Ratio Lower Upper

59 100

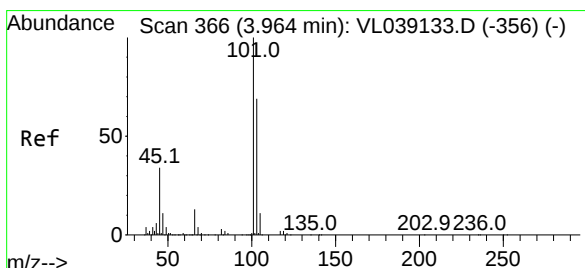
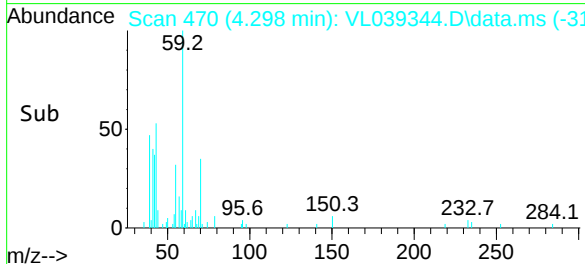
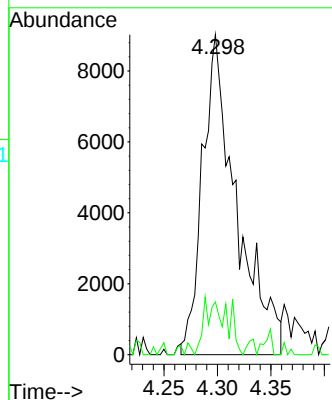
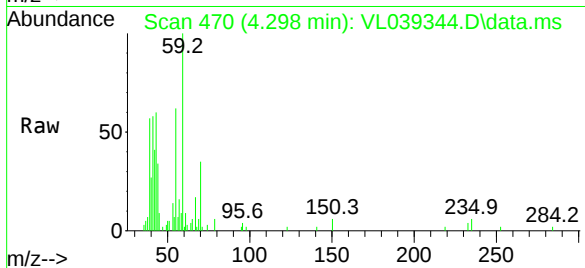
57 15.3 9.1 13.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/27/2022

Supervised By :Mahesh Dadoda 06/30/2022



#19

Isopropyl Alcohol

Concen: 4.092 ppbv

RT: 3.970 min Scan# 368

Delta R.T. 0.007 min

Lab File: VL039344.D

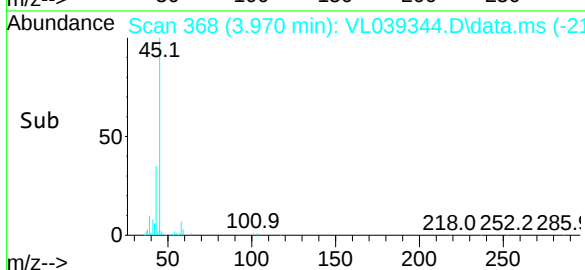
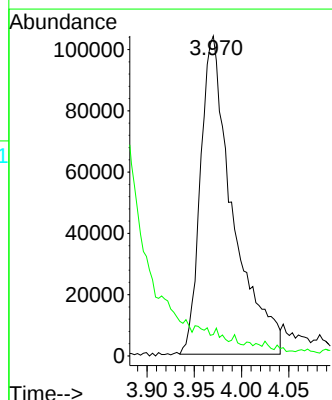
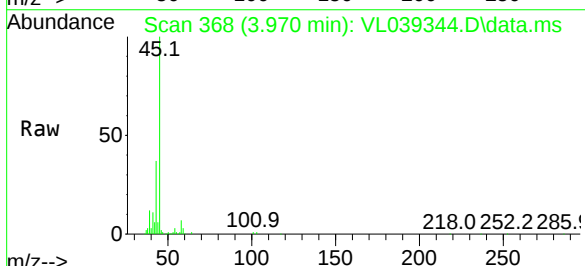
Acq: 24 Jun 2022 17:01

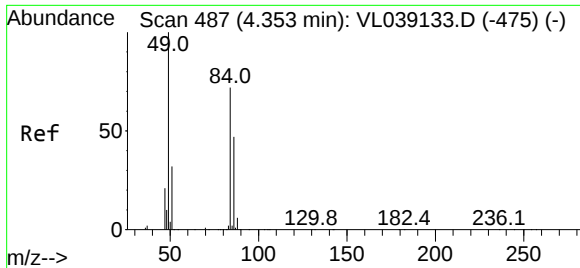
Tgt Ion: 45 Resp: 246642

Ion Ratio Lower Upper

45 100

58 246.0 1.8 2.8





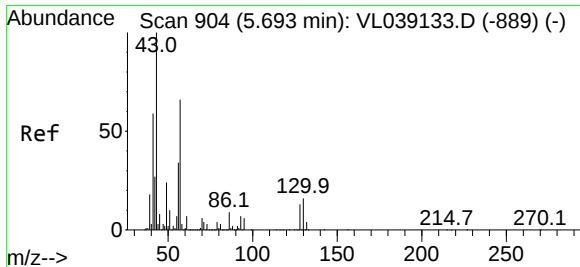
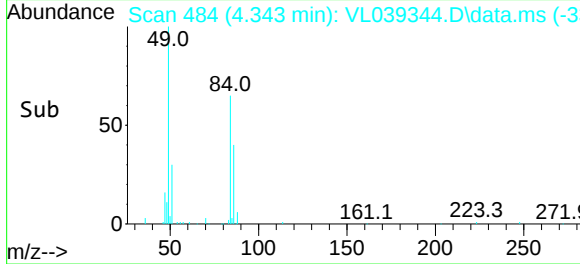
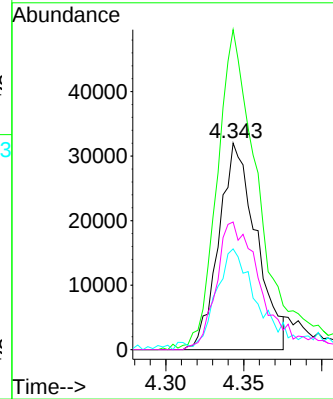
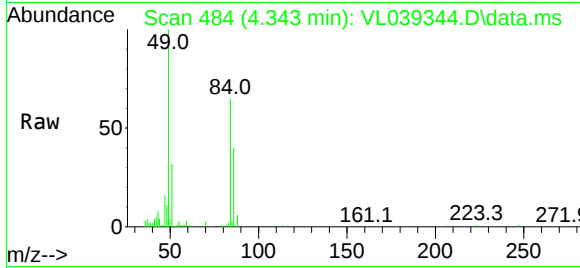
#20  
Methylene Chloride  
Concen: 0.988 ppbv  
RT: 4.343 min Scan# 41  
Delta R.T. -0.010 min  
Lab File: VL039344.D  
Acq: 24 Jun 2022 17:01

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV-5-20220622DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 5352  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 152.9 | 111.1 | 166.7 |
| 51       | 45.3  | 35.3  | 52.9  |
| 86       | 61.8  | 51.9  | 77.9  |

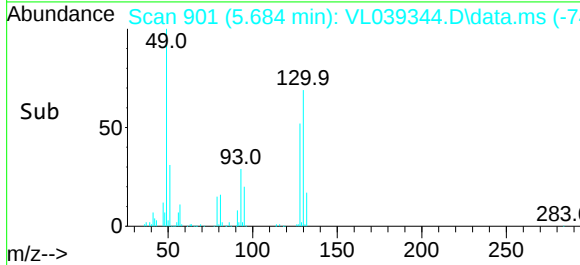
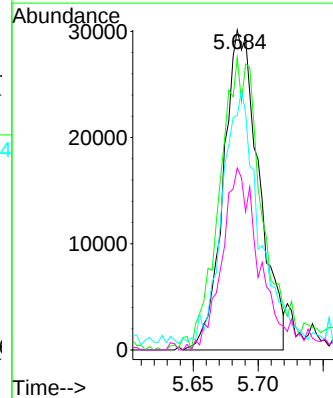
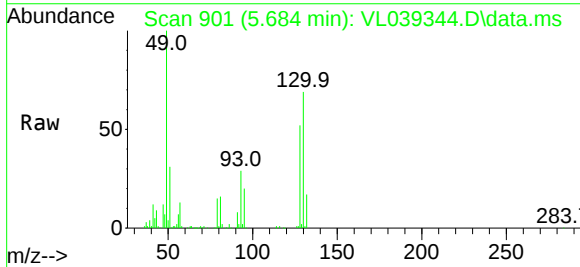
Manual Integrations  
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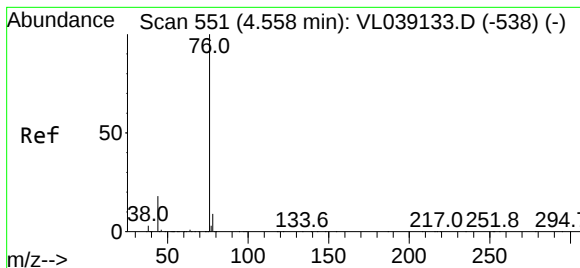
Reviewed By :Semsettin Yesilyurt 06/27/2022  
Supervised By :Mahesh Dadoda 06/30/2022



#26  
Hexane  
Concen: 0.450 ppbv  
RT: 5.684 min Scan# 901  
Delta R.T. -0.010 min  
Lab File: VL039344.D  
Acq: 24 Jun 2022 17:01

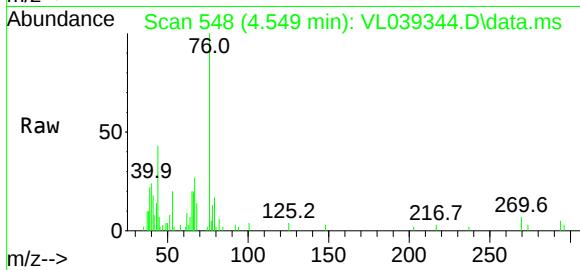
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 57    | Resp: | 57232  |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 118.4 | 72.4  | 108.6# |
| 43       | 84.2  | 187.0 | 280.6# |
| 56       | 65.2  | 41.8  | 62.6#  |





#27  
Carbon Disulfide  
Concen: 0.119 ppbv m  
RT: 4.549 min Scan# 549  
Delta R.T. -0.010 min  
Lab File: VL039344.D  
Acq: 24 Jun 2022 17:01

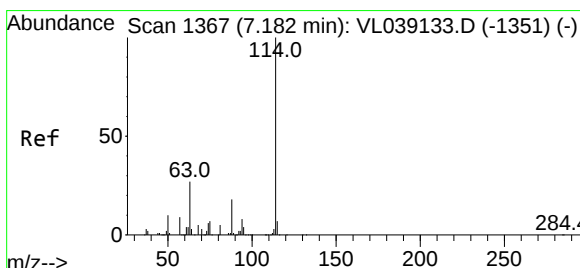
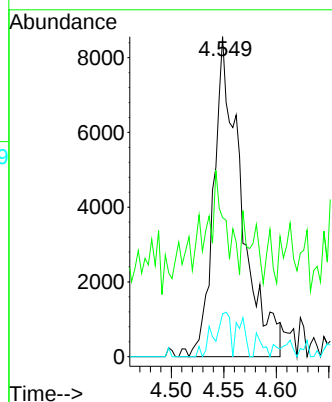
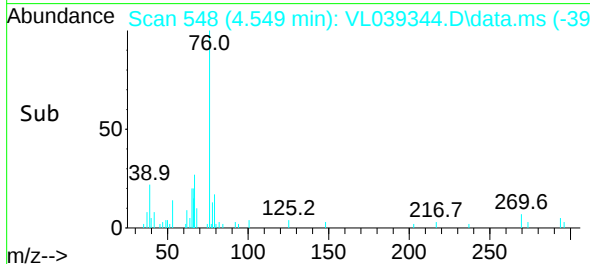
Instrument :  
MSVOA\_L  
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SV-5-20220622DL



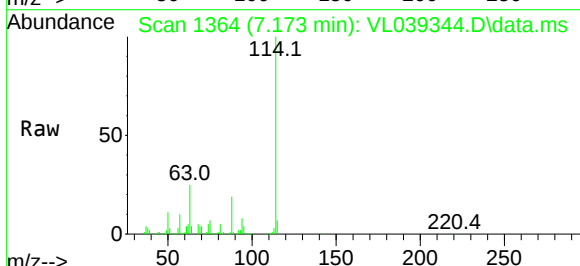
Tgt Ion: 76 Resp: 1569  
Ion Ratio Lower Upper  
76 100  
44 24.7 14.4 21.6  
78 13.7 7.7 11.5

Manual Integrations  
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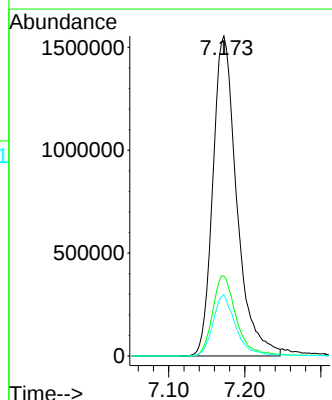
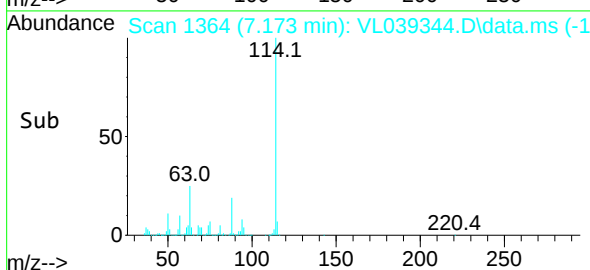
Reviewed By :Semsettin Yesilyurt 06/27/2022  
Supervised By :Mahesh Dadoda 06/30/2022

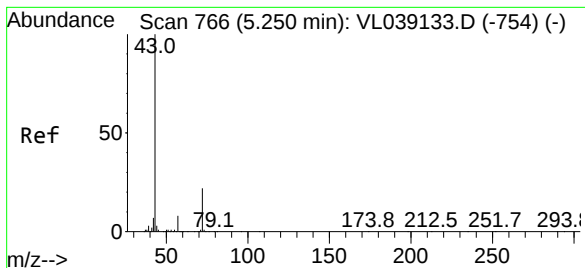


#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.173 min Scan# 1364  
Delta R.T. -0.010 min  
Lab File: VL039344.D  
Acq: 24 Jun 2022 17:01



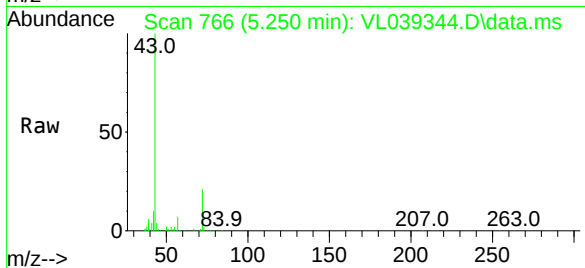
Tgt Ion:114 Resp: 3396063  
Ion Ratio Lower Upper  
114 100  
63 25.2 21.7 32.5  
88 18.5 14.8 22.2





#34  
2-Butanone  
Concen: 1.037 ppbv  
RT: 5.250 min Scan# 766  
Delta R.T. 0.000 min  
Lab File: VL039344.D  
Acq: 24 Jun 2022 17:01

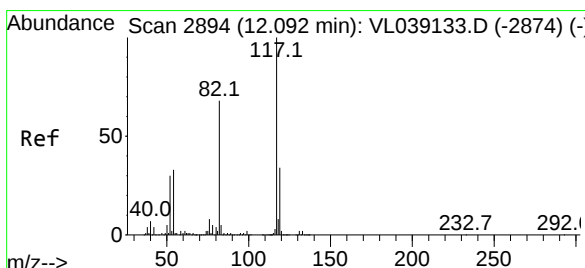
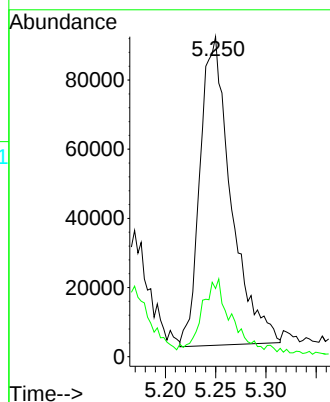
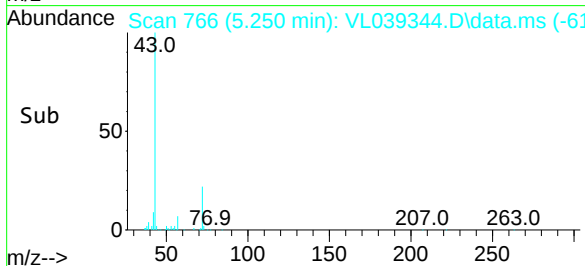
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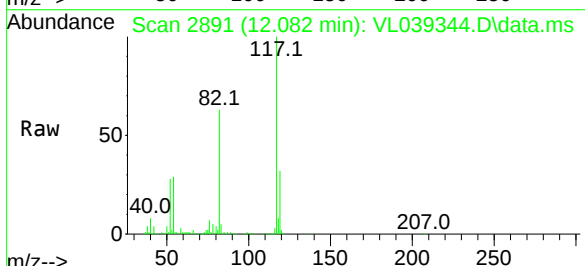
Tgt Ion: 43 Resp: 191318  
Ion Ratio Lower Upper  
43 100  
72 28.2 18.2 27.2

Manual Integrations  
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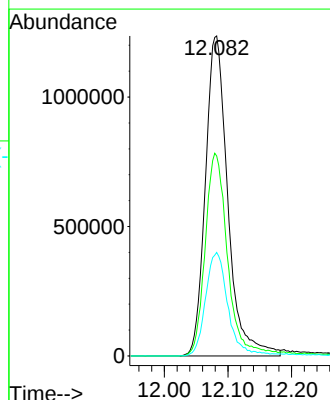
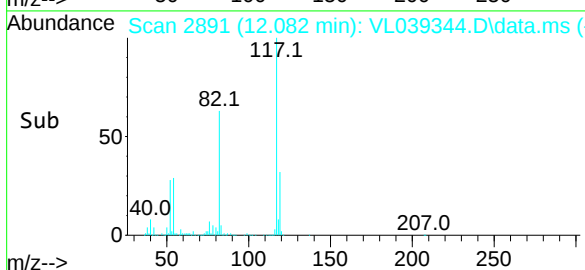
Reviewed By :Semsettin Yesilyurt 06/27/2022  
Supervised By :Mahesh Dadoda 06/30/2022

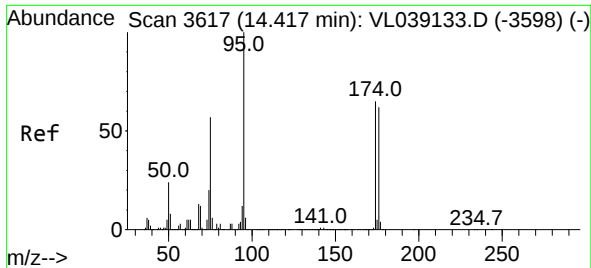


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.082 min Scan# 2891  
Delta R.T. -0.010 min  
Lab File: VL039344.D  
Acq: 24 Jun 2022 17:01



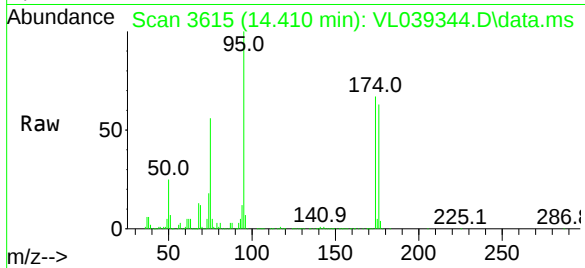
Tgt Ion:117 Resp: 3033148  
Ion Ratio Lower Upper  
117 100  
82 64.6 55.1 82.7  
119 32.9 24.7 37.1





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 8.764 ppbv  
 RT: 14.410 min Scan# 30  
 Delta R.T. -0.006 min  
 Lab File: VL039344.D  
 Acq: 24 Jun 2022 17:01

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV-5-20220622DL



Tgt Ion: 95 Resp: 2197614  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 72.4  | 53.8  | 80.8  |
| 175 | 5.2   | 4.1   | 6.1   |

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