

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL061322\  
 Data File : VL039269.D  
 Acq On : 14 Jun 2022 2:39  
 Operator : SY/AP  
 Sample : N3306-04 4X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SS-2

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/14/2022  
 Supervised By :Mahesh Dadoda 06/16/2022

Quant Time: Jun 14 08:09:22 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Jun 0

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       | 5.671  | 49    | 1027169  | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 7.179  | 114   | 2434901  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 12.086 | 117   | 2055457  | 10.000   | ppbv   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 14.410 | 95    | 1803367  | 10.612   | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 106.100% |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        |          |
| 2) Dichlorodifluoromethane  | 3.051  | 85    | 18915m   | 0.105    | ppbv   | Qvalue   |
| 3) Chlorodifluoromethane    | 2.970  | 51    | 22127    | 0.169    | ppbv   | 92       |
| 4) Chloromethane            | 3.147  | 50    | 10835m   | 0.161    | ppbv   |          |
| 9) Propene                  | 3.025  | 41    | 57182    | 1.003    | ppbv # | 79       |
| 11) Trichlorofluoromethane  | 3.957  | 101   | 15917m   | 0.097    | ppbv   |          |
| 13) Ethanol                 | 3.607  | 45    | 114603m  | 36.875   | ppbv   |          |
| 15) Acetone                 | 3.854  | 43    | 533686   | 4.988    | ppbv   | 91       |
| 19) Isopropyl Alcohol       | 3.973  | 45    | 383982   | 7.651    | ppbv # | 95       |
| 20) Methylene Chloride      | 4.350  | 84    | 76142    | 1.689    | ppbv   | 92       |
| 26) Hexane                  | 5.694  | 57    | 47806    | 0.451    | ppbv # | 61       |
| 34) 2-Butanone              | 5.259  | 43    | 20333m   | 0.154    | ppbv   |          |
| 52) Tetrachloroethene       | 11.224 | 164   | 15375m   | 0.199    | ppbv   |          |
| 53) Toluene                 | 9.803  | 91    | 34988m   | 0.154    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

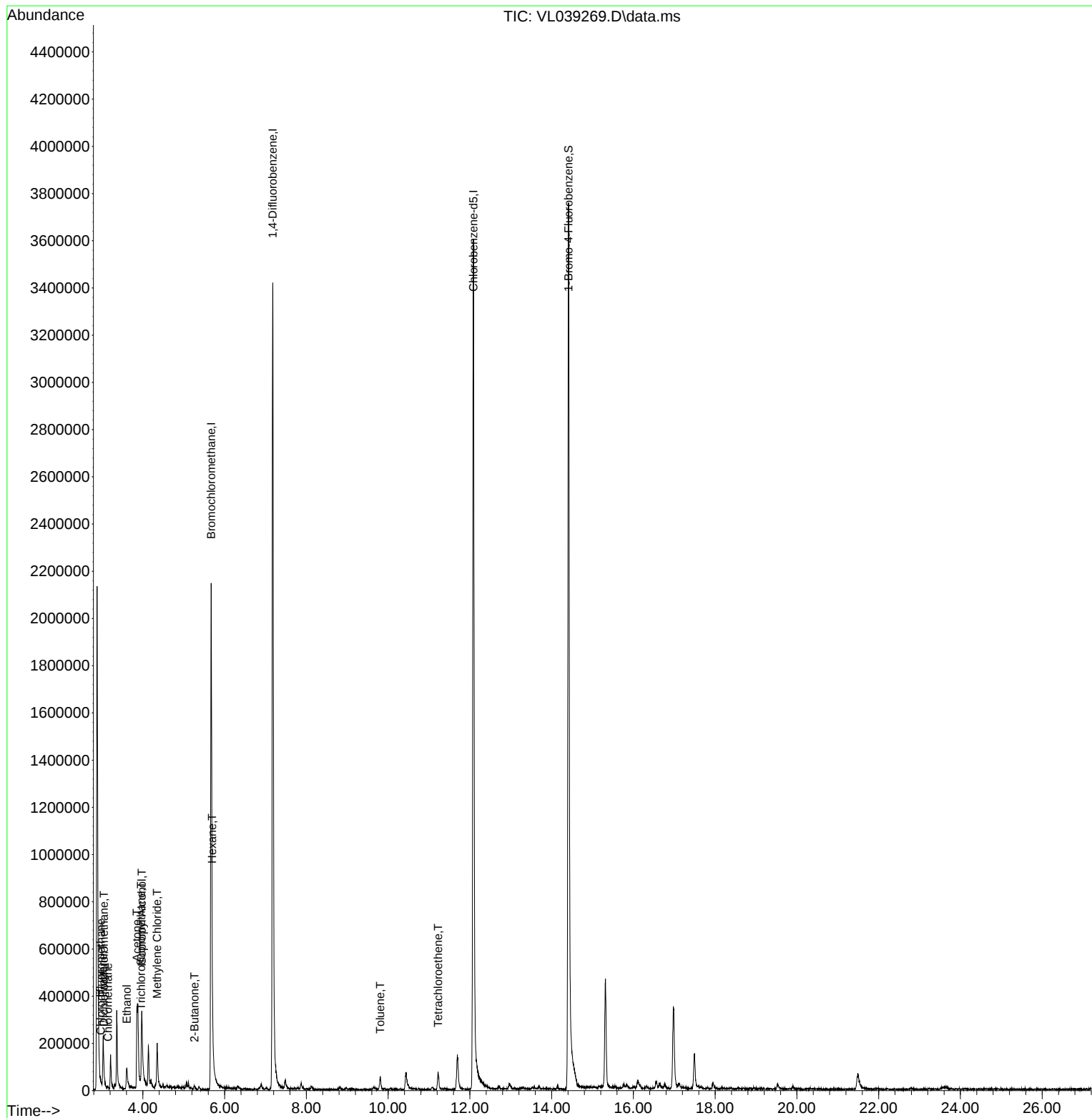
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL061322\  
Data File : VL039269.D  
Acq On : 14 Jun 2022 2:39  
Operator : SY/AP  
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ALS Vial : 1 Sample Multiplier: 1

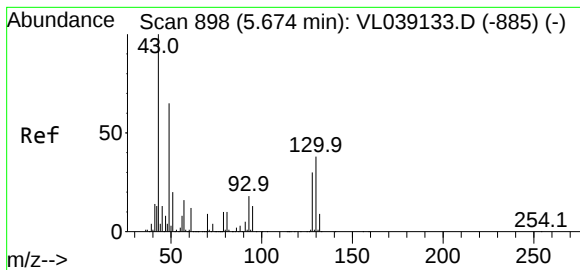
Instrument :  
MSVOA\_L  
ClientSampleId :  
SS-2

Quant Time: Jun 14 08:09:22 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

Manual Integrations  
APPROVED

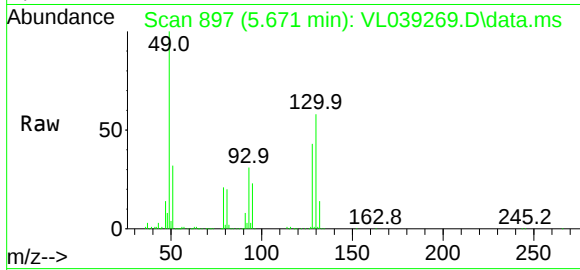
Reviewed By :Semsettin Yesilyurt 06/14/2022  
Supervised By :Mahesh Dadoda 06/16/2022





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.671 min Scan# 89  
Delta R.T. -0.003 min  
Lab File: VL039269.D  
Acq: 14 Jun 2022 2:39

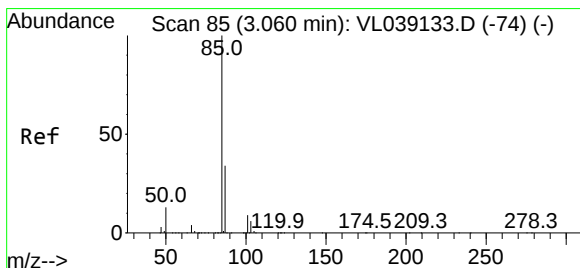
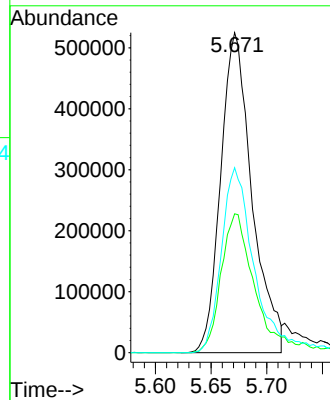
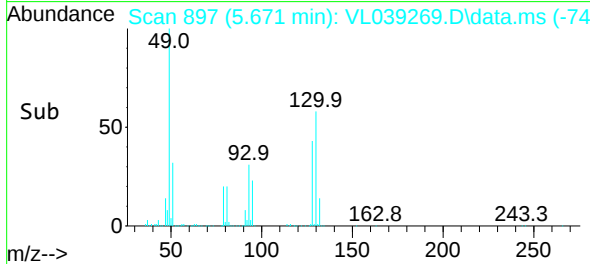
Instrument :  
MSVOA\_L  
ClientSampleId :  
SS-2



Tgt Ion: 49 Resp: 1027169  
Ion Ratio Lower Upper  
49 100  
128 49.1 24.7 74.1  
130 63.2 31.4 94.0

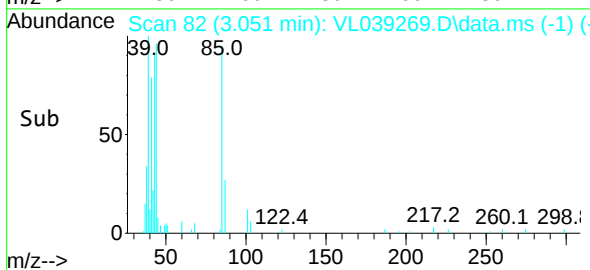
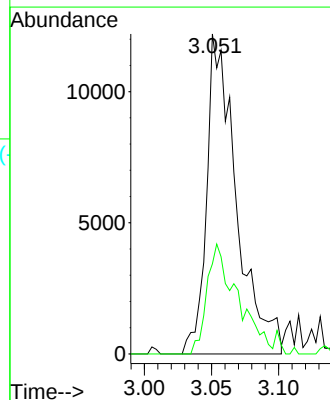
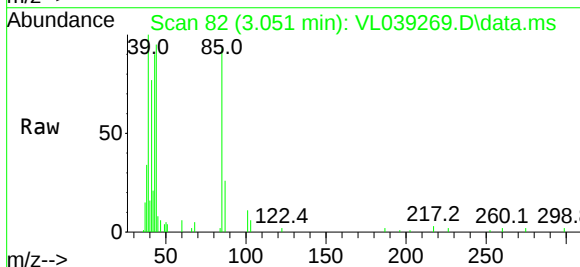
Manual Integrations  
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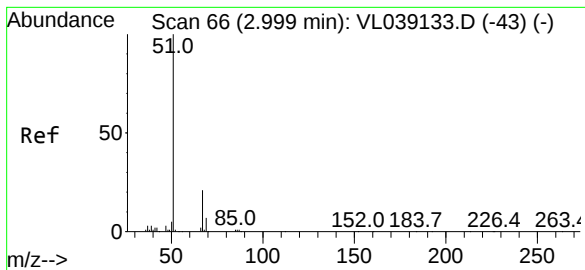
Reviewed By :Semsettin Yesilyurt 06/14/2022  
Supervised By :Mahesh Dadoda 06/16/2022



#2  
Dichlorodifluoromethane  
Concen: 0.105 ppbv m  
RT: 3.051 min Scan# 82  
Delta R.T. -0.010 min  
Lab File: VL039269.D  
Acq: 14 Jun 2022 2:39

Tgt Ion: 85 Resp: 18915  
Ion Ratio Lower Upper  
85 100  
87 28.1 26.9 40.3





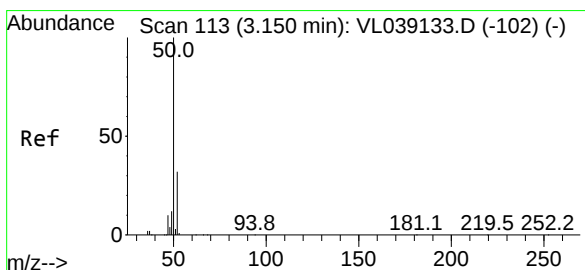
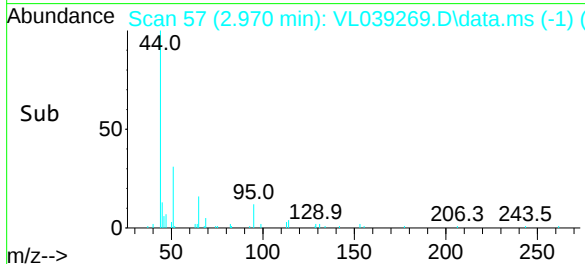
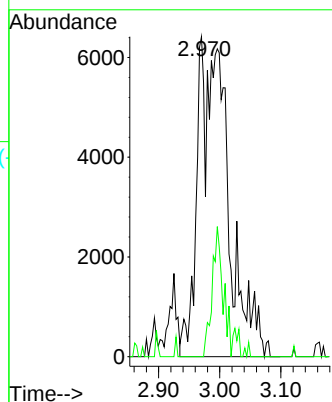
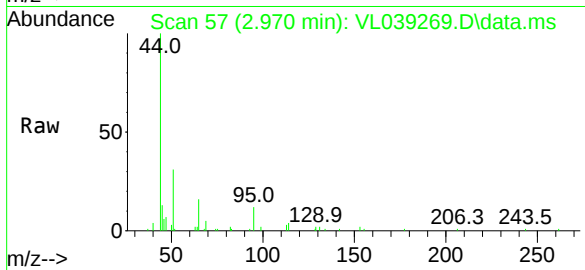
#3  
Chlorodifluoromethane  
Concen: 0.169 ppbv  
RT: 2.970 min Scan# 51  
Delta R.T. -0.029 min  
Lab File: VL039269.D  
Acq: 14 Jun 2022 2:39

Instrument :  
MSVOA\_L  
ClientSampleId :  
SS-2

Tgt Ion: 51 Resp: 2212  
Ion Ratio Lower Upper  
51 100  
67 16.6 16.2 24.4

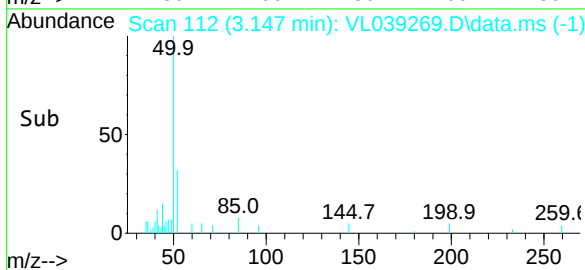
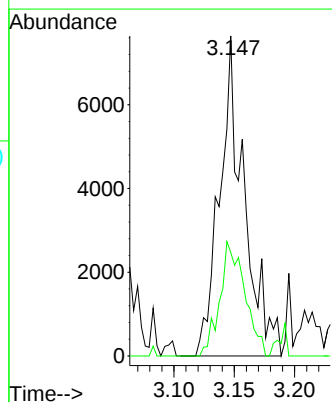
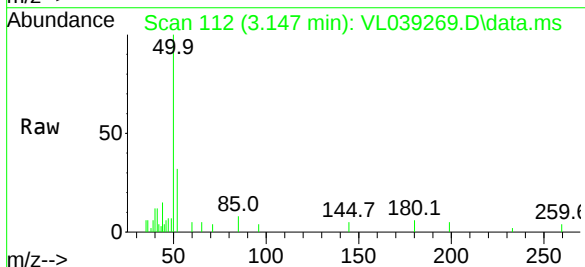
Manual Integrations  
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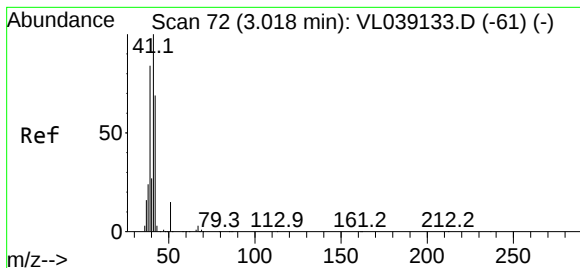
Reviewed By :Semsettin Yesilyurt 06/14/2022  
Supervised By :Mahesh Dadoda 06/16/2022



#4  
Chloromethane  
Concen: 0.161 ppbv m  
RT: 3.147 min Scan# 112  
Delta R.T. -0.003 min  
Lab File: VL039269.D  
Acq: 14 Jun 2022 2:39

Tgt Ion: 50 Resp: 10835  
Ion Ratio Lower Upper  
50 100  
52 32.4 25.9 38.9





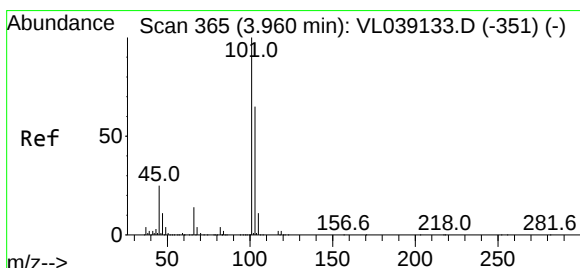
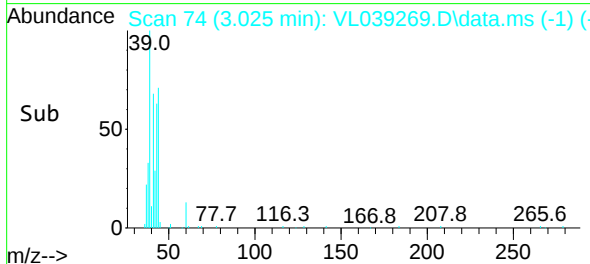
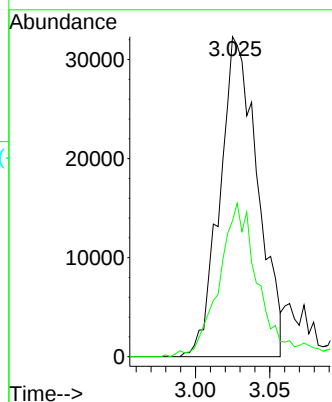
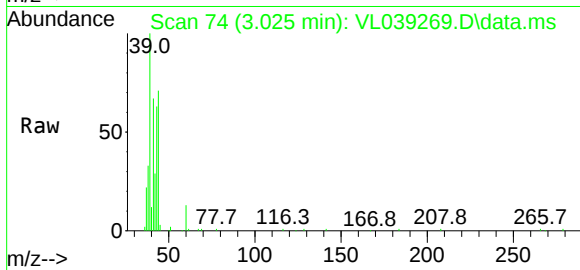
#9  
 Propene  
 Concen: 1.003 ppbv  
 RT: 3.025 min Scan# 74  
 Delta R.T. 0.007 min  
 Lab File: VL039269.D  
 Acq: 14 Jun 2022 2:39

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SS-2

Tgt Ion: 41 Resp: 5718  
 Ion Ratio Lower Upper  
 41 100  
 42 52.5 55.4 83.2

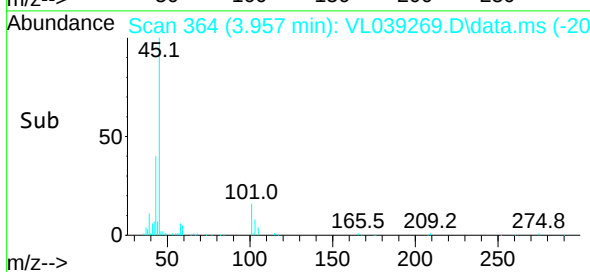
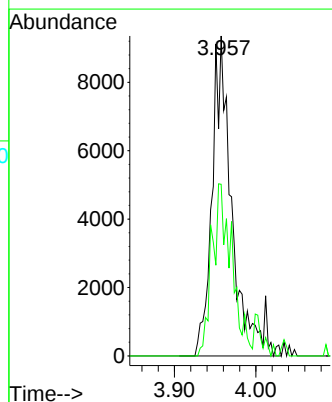
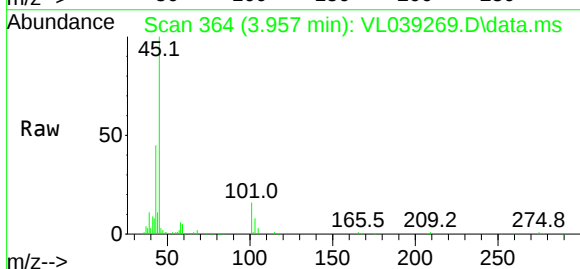
Manual Integrations  
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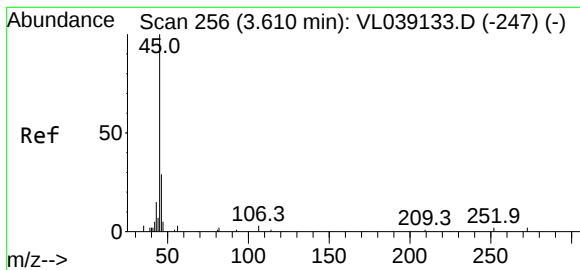
Reviewed By :Semsettin Yesilyurt 06/14/2022  
 Supervised By :Mahesh Dadoda 06/16/2022



#11  
 Trichlorofluoromethane  
 Concen: 0.097 ppbv m  
 RT: 3.957 min Scan# 364  
 Delta R.T. -0.003 min  
 Lab File: VL039269.D  
 Acq: 14 Jun 2022 2:39

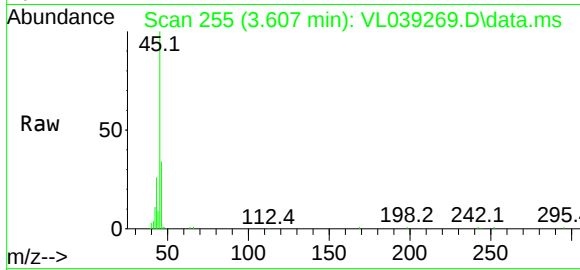
Tgt Ion:101 Resp: 15917  
 Ion Ratio Lower Upper  
 101 100  
 103 53.7 51.7 77.5





#13  
Ethanol  
Concen: 36.875 ppbv  
RT: 3.607 min Scan# 214  
Delta R.T. -0.003 min  
Lab File: VL039269.D  
Acq: 14 Jun 2022 2:39

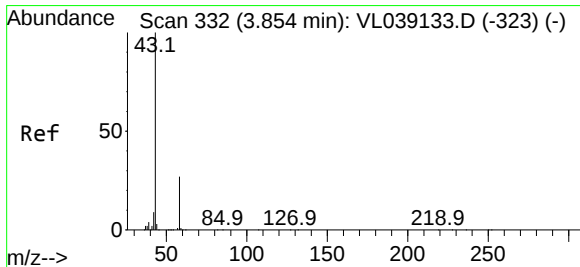
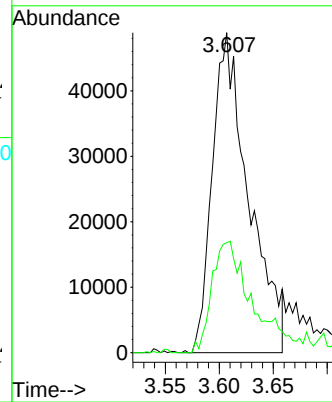
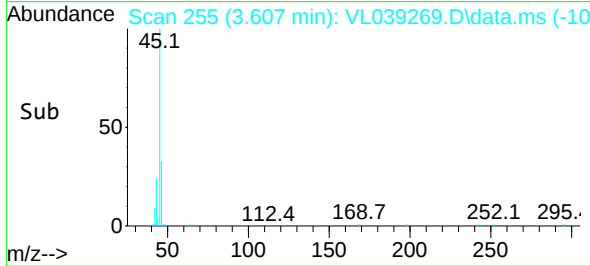
Instrument :  
MSVOA\_L  
ClientSampleId :  
SS-2



Tgt Ion: 45 Resp: 11460  
Ion Ratio Lower Upper  
45 100  
46 39.7 0.0 0.0

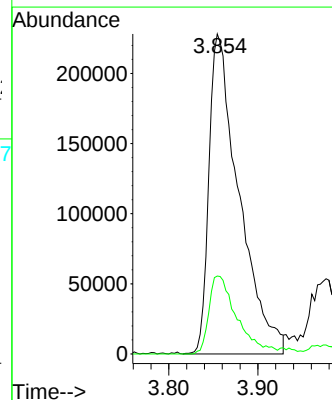
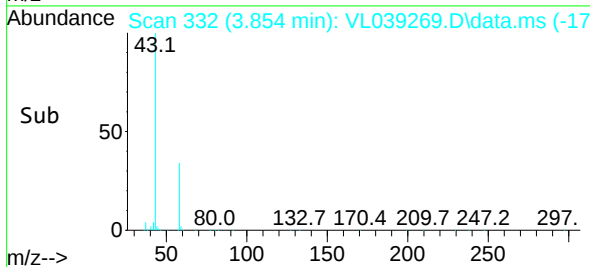
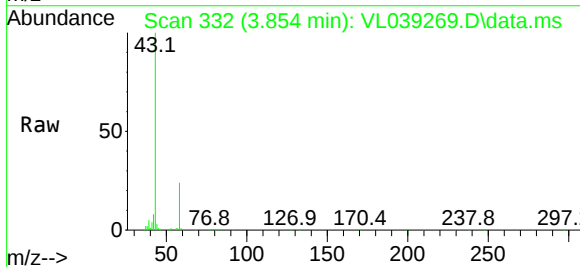
Manual Integrations  
APPROVED

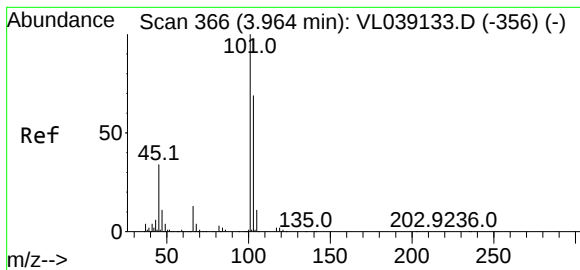
Reviewed By :Semsettin Yesilyurt 06/14/2022  
Supervised By :Mahesh Dadoda 06/16/2022



#15  
Acetone  
Concen: 4.988 ppbv  
RT: 3.854 min Scan# 332  
Delta R.T. 0.000 min  
Lab File: VL039269.D  
Acq: 14 Jun 2022 2:39

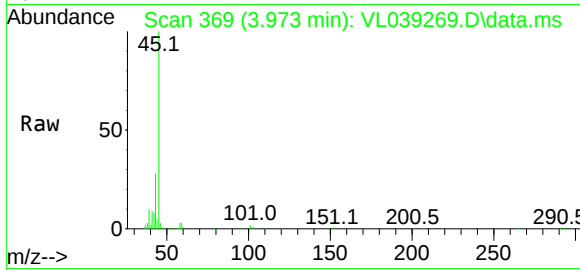
Tgt Ion: 43 Resp: 533686  
Ion Ratio Lower Upper  
43 100  
58 23.5 22.5 33.7





#19  
Isopropyl Alcohol  
Concen: 7.651 ppbv  
RT: 3.973 min Scan# 30  
Delta R.T. 0.010 min  
Lab File: VL039269.D  
Acq: 14 Jun 2022 2:39

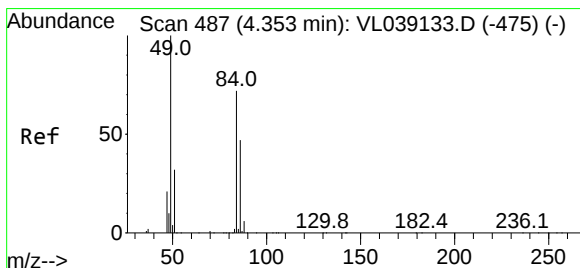
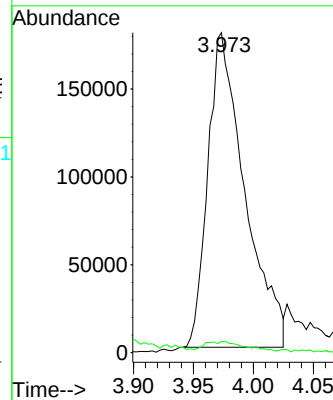
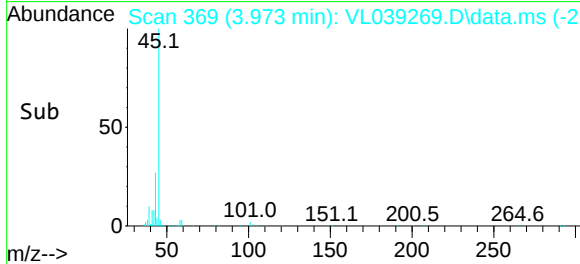
Instrument :  
MSVOA\_L  
ClientSampleId :  
SS-2



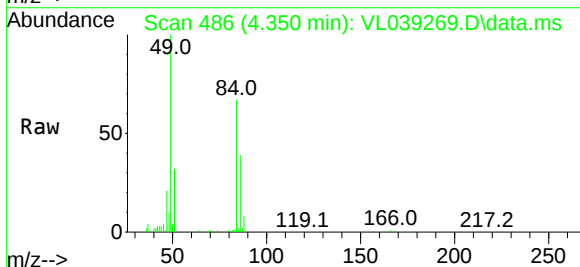
Tgt Ion: 45 Resp: 38398  
Ion Ratio Lower Upper  
45 100  
58 4.1 1.8 2.8

Manual Integrations  
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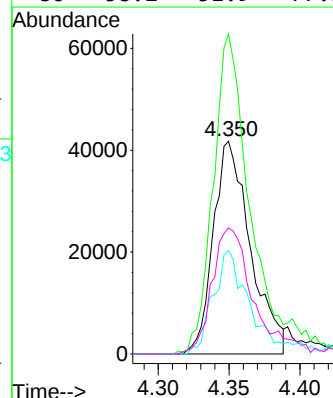
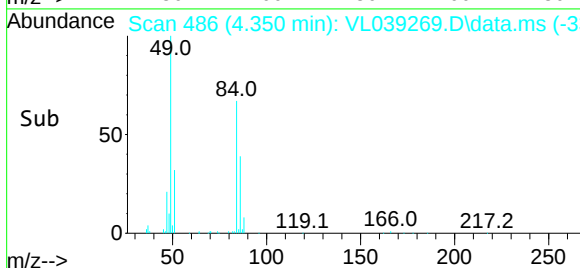
Reviewed By :Semsettin Yesilyurt 06/14/2022  
Supervised By :Mahesh Dadoda 06/16/2022

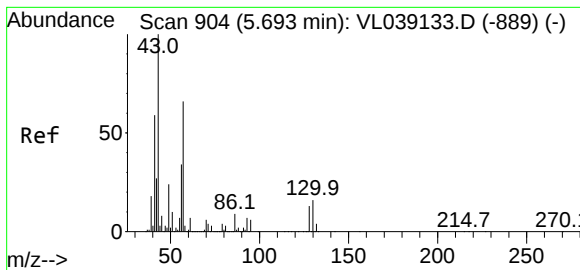


#20  
Methylene Chloride  
Concen: 1.689 ppbv  
RT: 4.350 min Scan# 486  
Delta R.T. -0.003 min  
Lab File: VL039269.D  
Acq: 14 Jun 2022 2:39



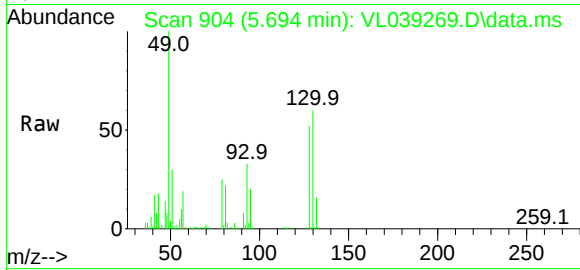
Tgt Ion: 84 Resp: 76142  
Ion Ratio Lower Upper  
84 100  
49 149.4 111.1 166.7  
51 48.7 35.3 52.9  
86 58.2 51.9 77.9





#26  
Hexane  
Concen: 0.451 ppbv  
RT: 5.694 min Scan# 904  
Delta R.T. 0.000 min  
Lab File: VL039269.D  
Acq: 14 Jun 2022 2:39

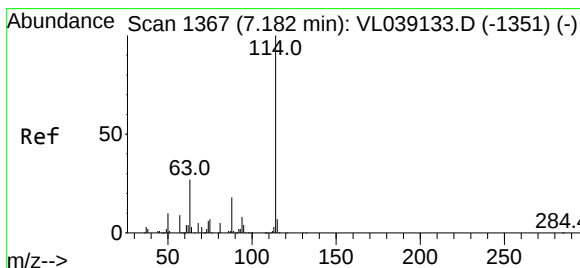
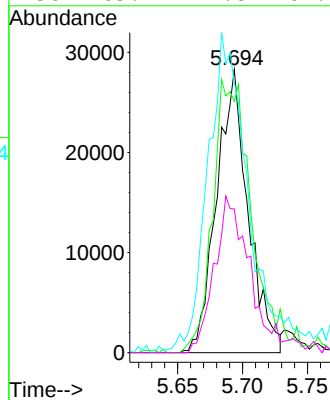
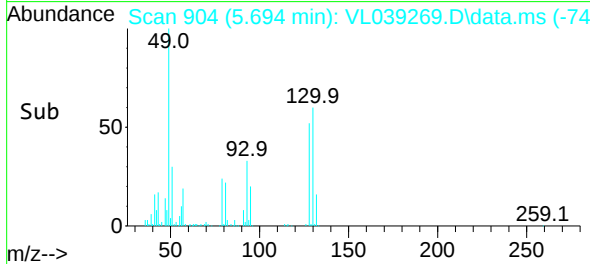
Instrument :  
MSVOA\_L  
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SS-2



Tgt Ion: 57 Resp: 47800  
Ion Ratio Lower Upper  
57 100  
41 120.8 72.4 108.6  
43 157.7 187.0 280.6  
56 65.9 41.8 62.6

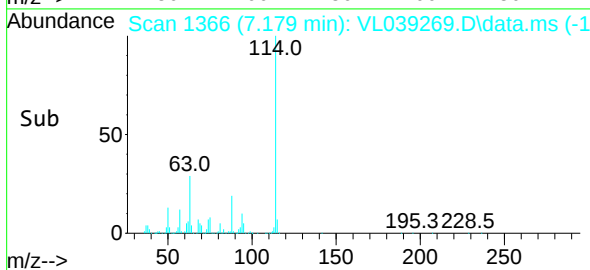
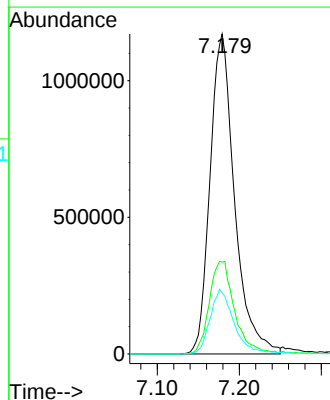
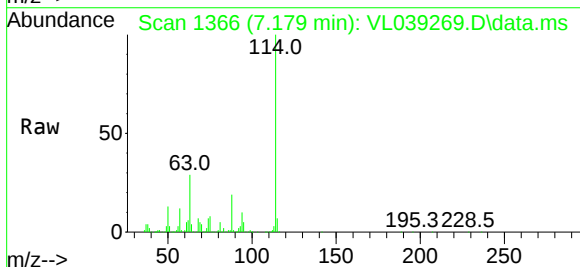
Manual Integrations  
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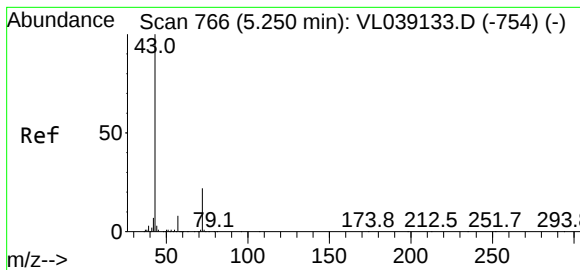
Reviewed By :Semsettin Yesilyurt 06/14/2022  
Supervised By :Mahesh Dadoda 06/16/2022



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.179 min Scan# 1366  
Delta R.T. -0.003 min  
Lab File: VL039269.D  
Acq: 14 Jun 2022 2:39

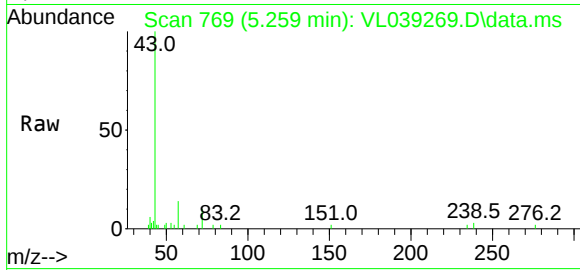
Tgt Ion:114 Resp: 2434901  
Ion Ratio Lower Upper  
114 100  
63 30.5 21.7 32.5  
88 20.0 14.8 22.2





#34  
2-Butanone  
Concen: 0.154 ppbv m  
RT: 5.259 min Scan# 766  
Delta R.T. 0.010 min  
Lab File: VL039269.D  
Acq: 14 Jun 2022 2:39

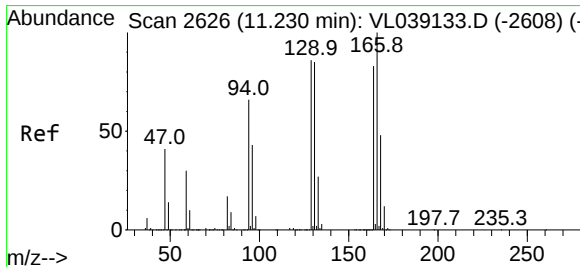
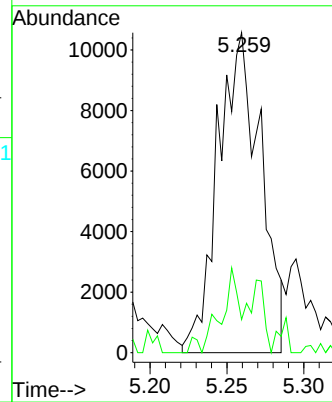
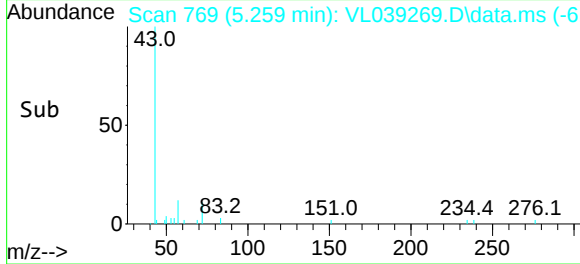
Instrument :  
MSVOA\_L  
ClientSampleId :  
SS-2



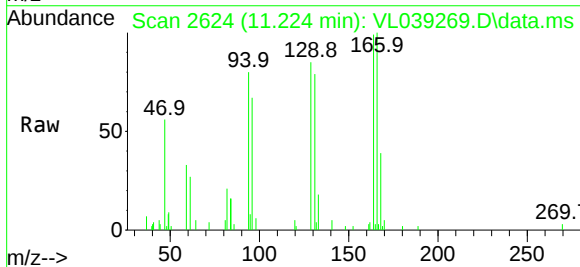
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Ion Ratio Lower Upper  
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72 22.2 18.2 27.2

Manual Integrations  
APPROVED

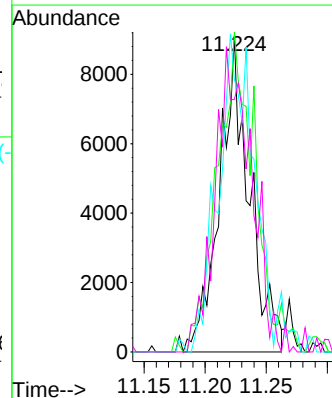
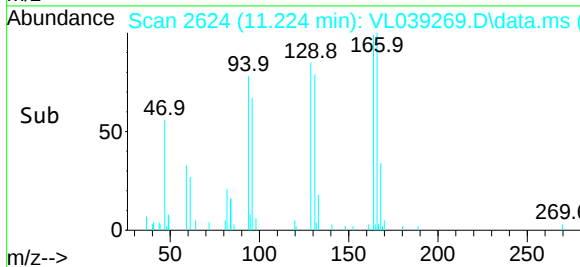
Reviewed By :Semsettin Yesilyurt 06/14/2022  
Supervised By :Mahesh Dadoda 06/16/2022

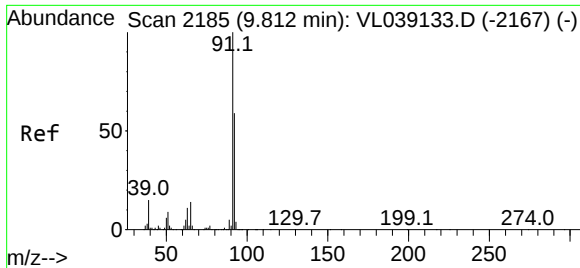


#52  
Tetrachloroethene  
Concen: 0.199 ppbv m  
RT: 11.224 min Scan# 2624  
Delta R.T. -0.006 min  
Lab File: VL039269.D  
Acq: 14 Jun 2022 2:39



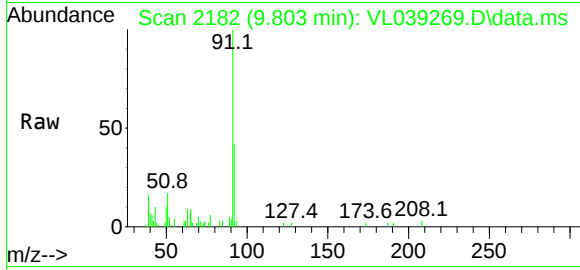
Tgt Ion:164 Resp: 15375  
Ion Ratio Lower Upper  
164 100  
166 101.3 96.3 144.5  
129 86.3 82.5 123.7  
131 80.0 82.1 123.1#





#53  
Toluene  
Concen: 0.154 ppbv m  
RT: 9.803 min Scan# 2185  
Delta R.T. -0.010 min  
Lab File: VL039269.D  
Acq: 14 Jun 2022 2:39

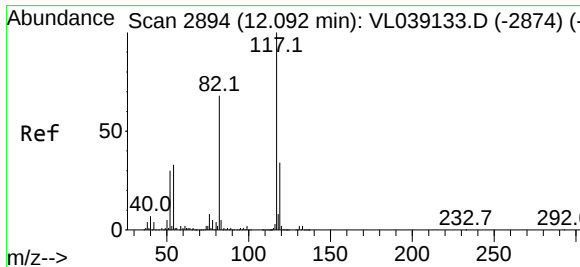
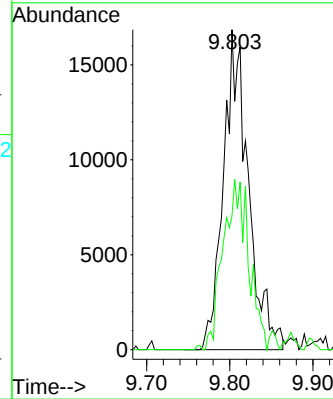
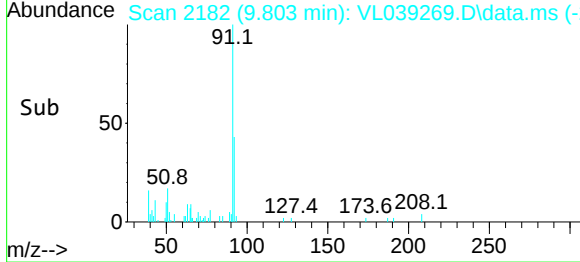
Instrument :  
MSVOA\_L  
ClientSampleId :  
SS-2



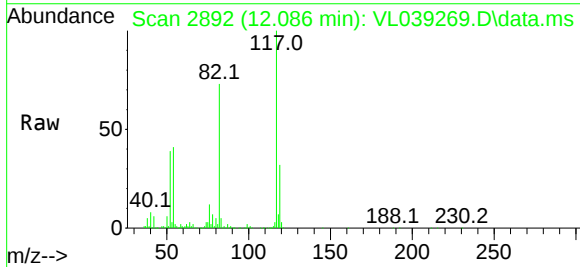
Tgt Ion: 91 Resp: 3498  
Ion Ratio Lower Upper  
91 100  
92 56.9 48.1 72.1

Manual Integrations  
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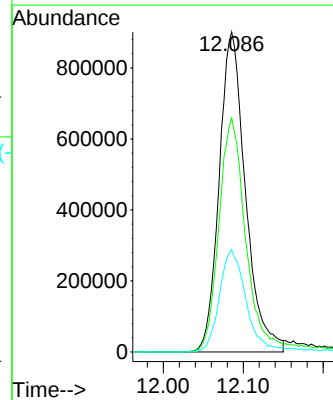
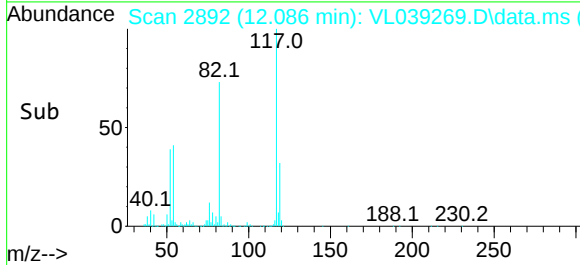
Reviewed By :Semsettin Yesilyurt 06/14/2022  
Supervised By :Mahesh Dadoda 06/16/2022

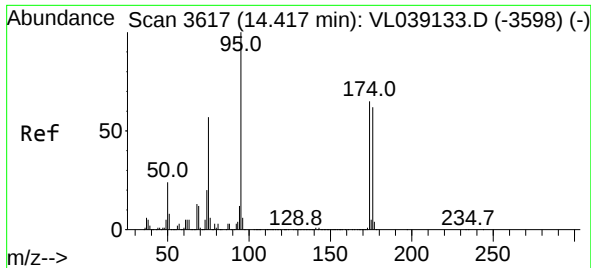


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.086 min Scan# 2892  
Delta R.T. -0.006 min  
Lab File: VL039269.D  
Acq: 14 Jun 2022 2:39



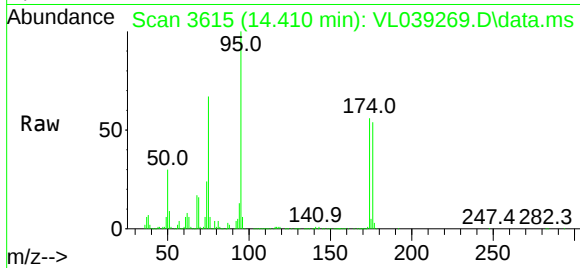
Tgt Ion:117 Resp: 2055457  
Ion Ratio Lower Upper  
117 100  
82 76.7 55.1 82.7  
119 33.5 24.7 37.1





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.612 ppbv  
 RT: 14.410 min Scan# 30  
 Delta R.T. -0.006 min  
 Lab File: VL039269.D  
 Acq: 14 Jun 2022 2:39

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SS-2



Tgt Ion: 95 Resp: 180336  
 Ion Ratio Lower Upper  
 95 100  
 174 60.1 53.8 80.8  
 175 4.5 4.1 6.1

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/14/2022  
 Supervised By :Mahesh Dadoda 06/16/2022

