

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL020924\  
 Data File : VL041053.D  
 Acq On : 9 Feb 2024 11:44  
 Operator : SY/MD  
 Sample : P1420-04DL 20X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SS2RDL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/12/2024  
 Supervised By :Mahesh Dadoda 02/12/2024

Quant Time: Feb 12 00:44:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL012324AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2  
 QLast Update : Mon Feb 12 00:40:04 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.185  | 49    | 1258168  | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.642  | 114   | 3396094  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.455 | 117   | 3067143  | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.764 | 95    | 2397528  | 10.349   | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 103.500% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 15) Acetone                 | 3.481  | 43    | 73570    | 0.457    | ppbv # | 74       |
| 26) Hexane                  | 5.201  | 57    | 64186    | 0.516    | ppbv # | 38       |
| 34) 2-Butanone              | 4.800  | 43    | 48834    | 0.302    | ppbv   | 98       |
| 52) Tetrachloroethene       | 10.606 | 164   | 240618   | 2.583    | ppbv   | 99       |
| 53) Toluene                 | 9.204  | 91    | 36400m   | 0.118    | ppbv   |          |
| 59) m/p-Xylene              | 12.323 | 91    | 65950m   | 0.184    | ppbv   |          |
| 74) 1,2,4-Trimethylbenzene  | 16.095 | 105   | 37744m   | 0.097    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

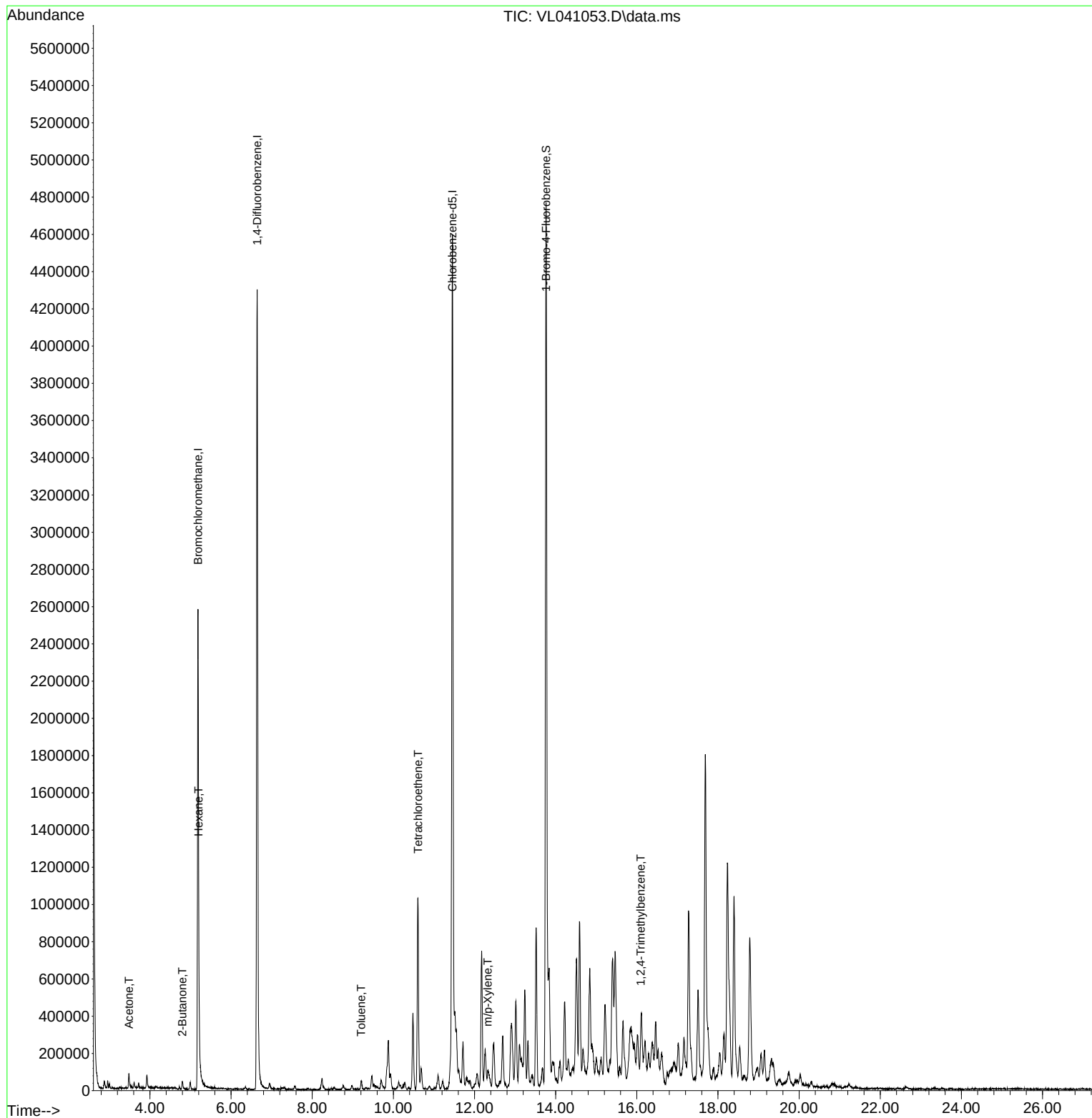
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL020924\  
Data File : VL041053.D  
Acq On : 9 Feb 2024 11:44  
Operator : SY/MD  
Sample : P1420-04DL 20X  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

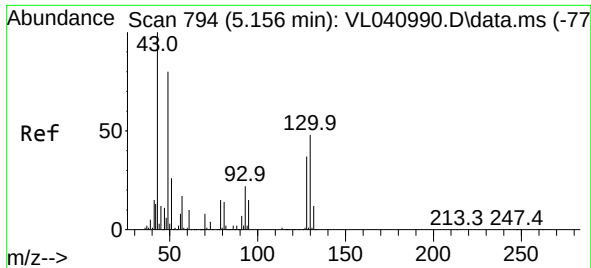
Instrument :  
MSVOA\_L  
ClientSampleId :  
SS2RDL

Quant Time: Feb 12 00:44:53 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL012324AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Mon Feb 12 00:40:04 2024  
Response via : Initial Calibration

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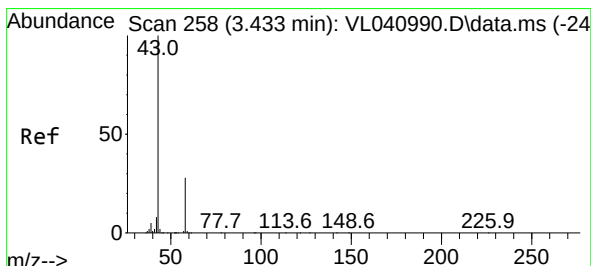
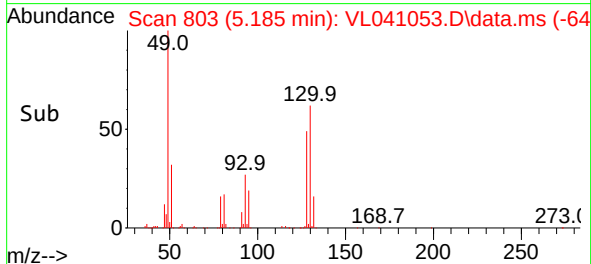
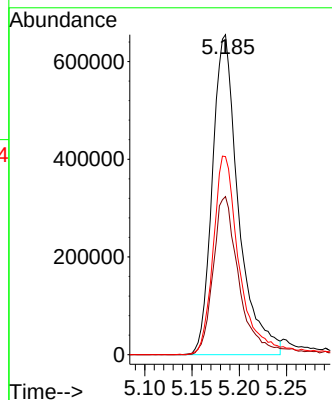
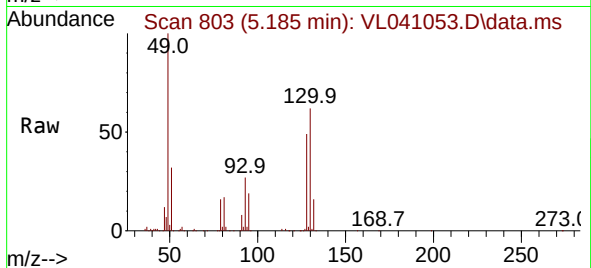
#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.185 min Scan# 80  
Delta R.T. 0.009 min  
Lab File: VL041053.D  
Acq: 9 Feb 2024 11:44

Instrument :  
MSVOA\_L  
ClientSampleId :  
SS2RDL

Tgt Ion: 49 Resp: 125816  
Ion Ratio Lower Upper  
49 100  
128 51.6 23.9 71.7  
130 65.2 31.1 93.5

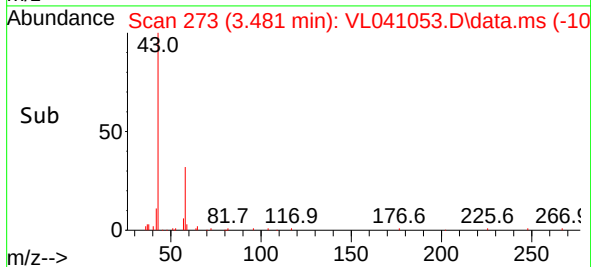
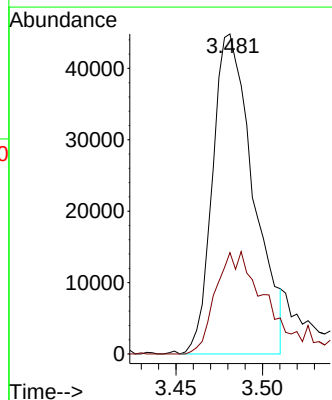
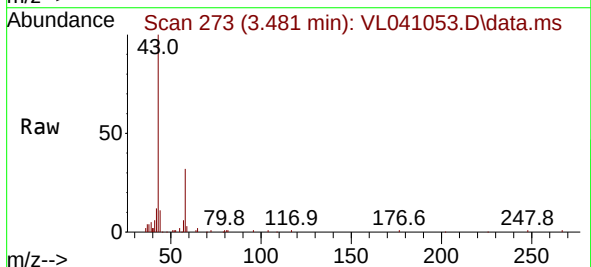
Manual Integrations  
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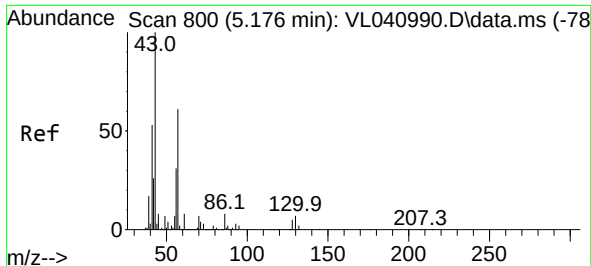
Reviewed By :Semsettin Yesilyurt 02/12/2024  
Supervised By :Mahesh Dadoda 02/12/2024



#15  
Acetone  
Concen: 0.457 ppbv  
RT: 3.481 min Scan# 273  
Delta R.T. 0.029 min  
Lab File: VL041053.D  
Acq: 9 Feb 2024 11:44

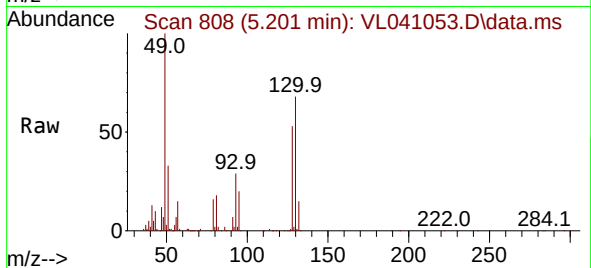
Tgt Ion: 43 Resp: 73570  
Ion Ratio Lower Upper  
43 100  
58 41.3 22.2 33.2#





#26  
Hexane  
Concen: 0.516 ppbv  
RT: 5.201 min Scan# 800  
Delta R.T. 0.003 min  
Lab File: VL041053.D  
Acq: 9 Feb 2024 11:44

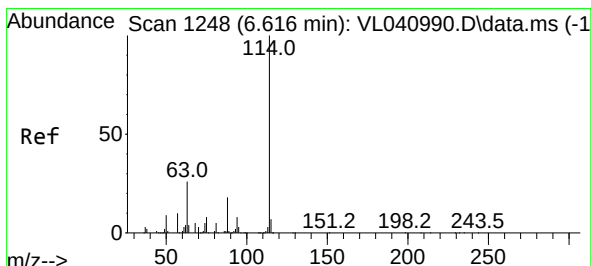
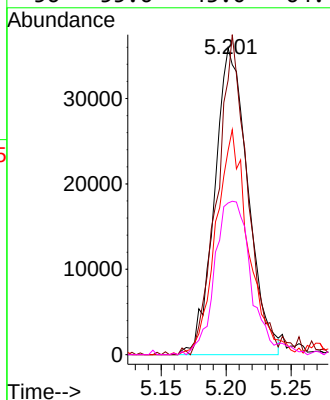
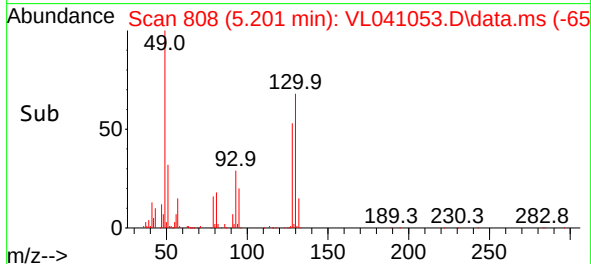
Instrument :  
MSVOA\_L  
Client Sample Id :  
SS2RDL



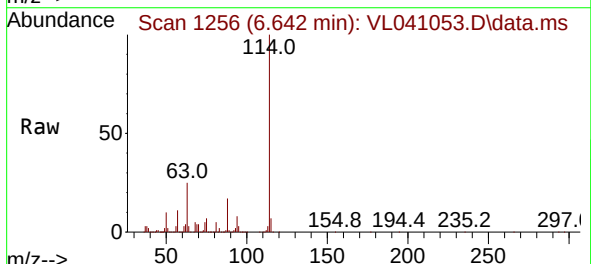
Tgt Ion: 57 Resp: 64180  
Ion Ratio Lower Upper  
57 100  
41 99.0 74.4 111.6  
43 74.6 190.6 285.8  
56 55.6 43.0 64.4

Manual Integrations  
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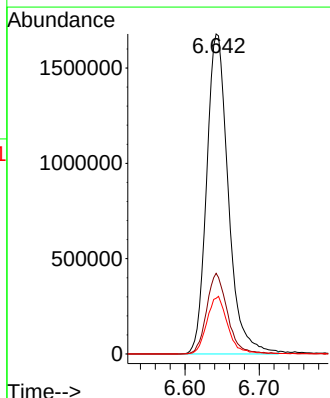
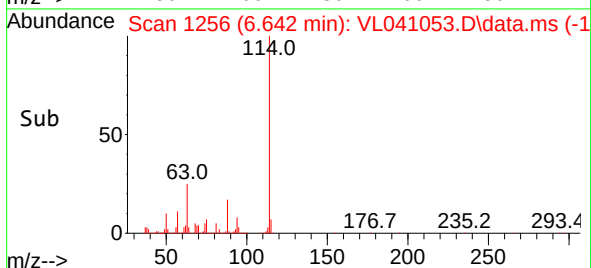
Reviewed By :Semsettin Yesilyurt 02/12/2024  
Supervised By :Mahesh Dadoda 02/12/2024

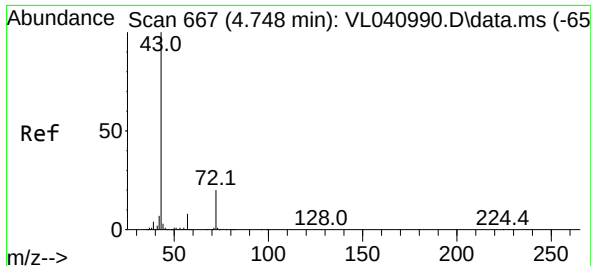


#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.642 min Scan# 1256  
Delta R.T. -0.000 min  
Lab File: VL041053.D  
Acq: 9 Feb 2024 11:44



Tgt Ion:114 Resp: 3396094  
Ion Ratio Lower Upper  
114 100  
63 24.6 20.8 31.2  
88 17.5 14.3 21.5





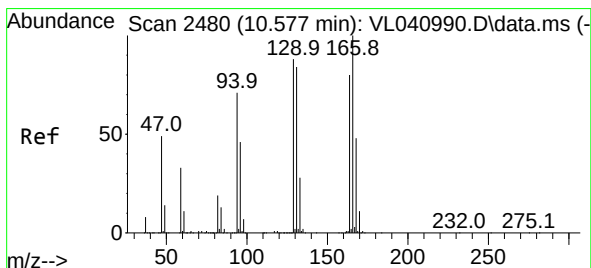
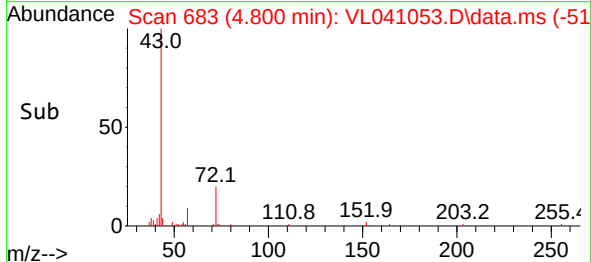
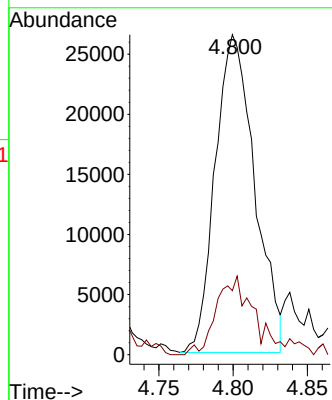
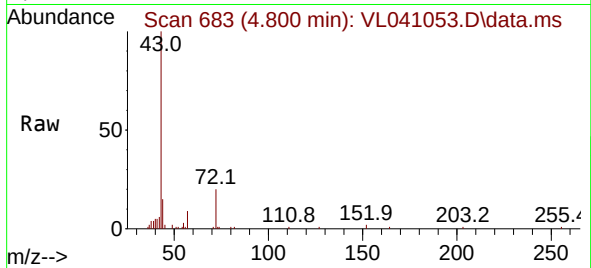
#34  
2-Butanone  
Concen: 0.302 ppbv  
RT: 4.800 min Scan# 61  
Delta R.T. 0.029 min  
Lab File: VL041053.D  
Acq: 9 Feb 2024 11:44

Instrument :  
MSVOA\_L  
ClientSampleId :  
SS2RDL

Tgt Ion: 43 Resp: 48834  
Ion Ratio Lower Upper  
43 100  
72 22.7 17.5 26.3

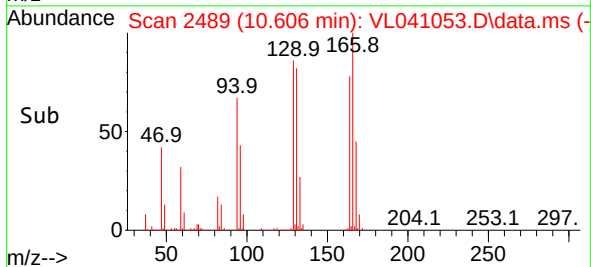
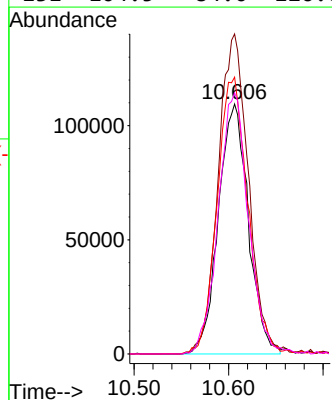
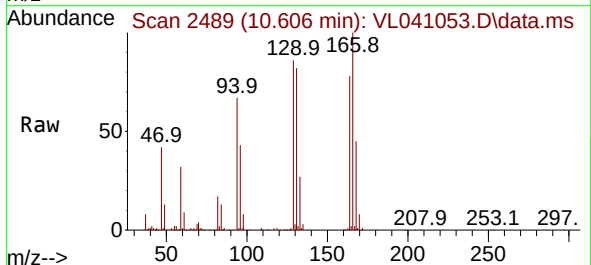
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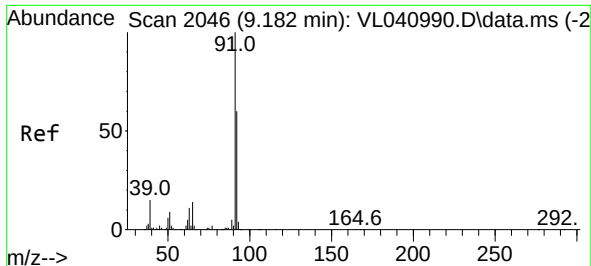
Reviewed By :Semsettin Yesilyurt 02/12/2024  
Supervised By :Mahesh Dadoda 02/12/2024



#52  
Tetrachloroethene  
Concen: 2.583 ppbv  
RT: 10.606 min Scan# 2489  
Delta R.T. 0.003 min  
Lab File: VL041053.D  
Acq: 9 Feb 2024 11:44

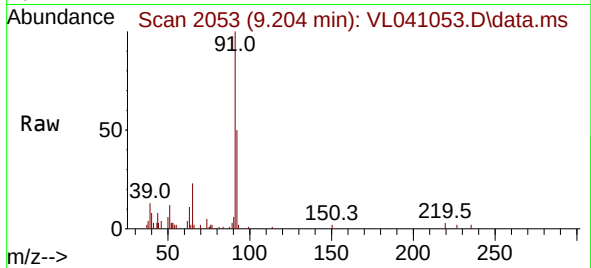
Tgt Ion:164 Resp: 240618  
Ion Ratio Lower Upper  
164 100  
166 128.1 100.2 150.2  
129 110.7 87.9 131.9  
131 104.5 84.0 126.0





#53  
Toluene  
Concen: 0.118 ppbv m  
RT: 9.204 min Scan# 2046  
Delta R.T. -0.003 min  
Lab File: VL041053.D  
Acq: 9 Feb 2024 11:44

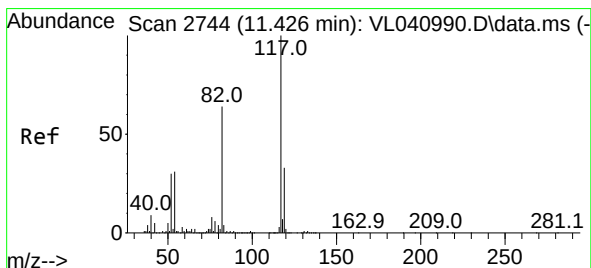
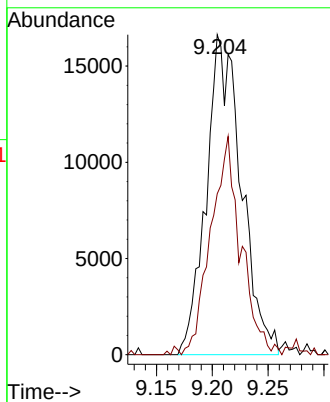
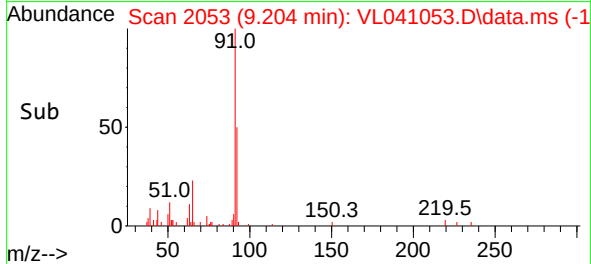
Instrument :  
MSVOA\_L  
ClientSampleId :  
SS2RDL



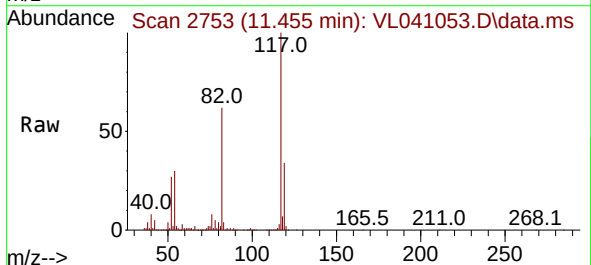
Tgt Ion: 91 Resp: 36400  
Ion Ratio Lower Upper  
91 100  
92 0.0 48.6 72.8

Manual Integrations  
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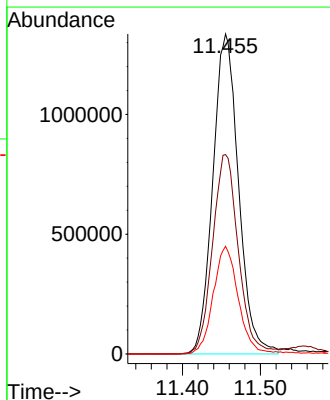
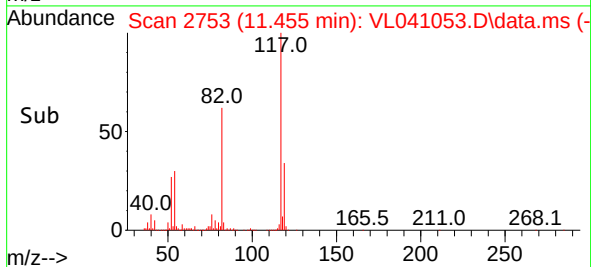
Reviewed By :Semsettin Yesilyurt 02/12/2024  
Supervised By :Mahesh Dadoda 02/12/2024

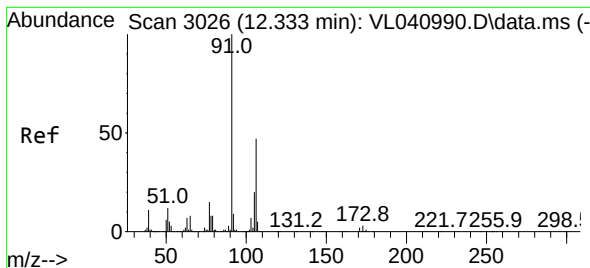


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.455 min Scan# 2753  
Delta R.T. 0.003 min  
Lab File: VL041053.D  
Acq: 9 Feb 2024 11:44



Tgt Ion:117 Resp: 3067143  
Ion Ratio Lower Upper  
117 100  
82 62.9 51.7 77.5  
119 33.1 23.8 35.6





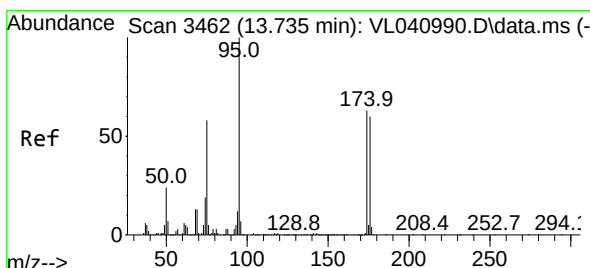
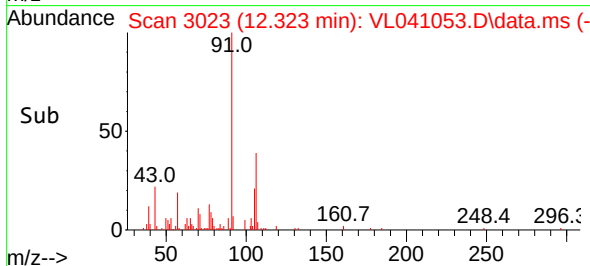
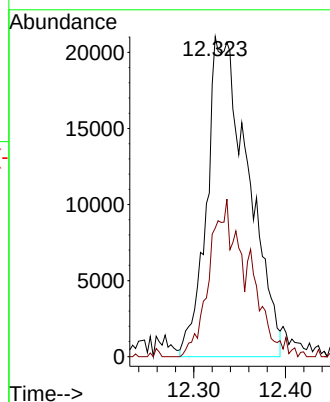
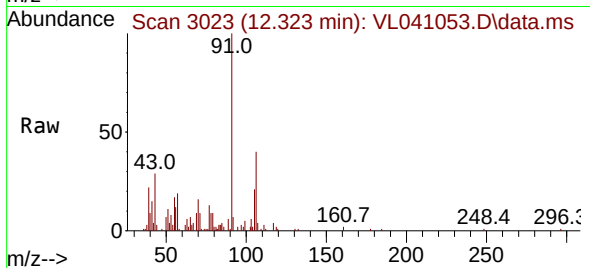
#59  
m/p-Xylene  
Concen: 0.184 ppbv m  
RT: 12.323 min Scan# 3026  
Delta R.T. -0.032 min  
Lab File: VL041053.D  
Acq: 9 Feb 2024 11:44

Instrument :  
MSVOA\_L  
ClientSampleId :  
SS2RDL

Tgt Ion: 91 Resp: 65950  
Ion Ratio Lower Upper  
91 100  
106 0.0 34.9 52.3

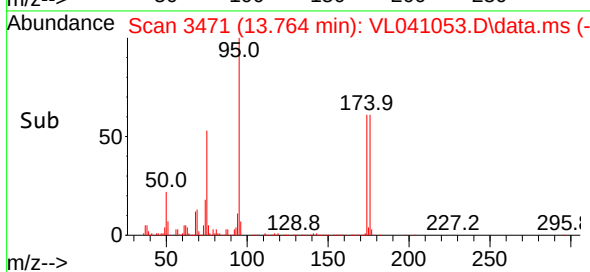
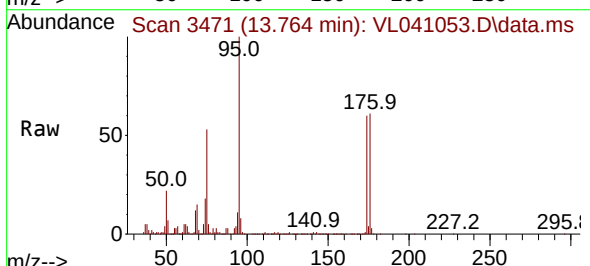
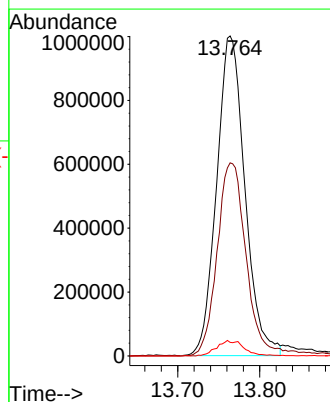
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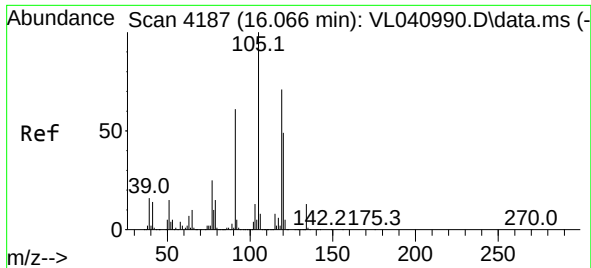
Reviewed By :Semsettin Yesilyurt 02/12/2024  
Supervised By :Mahesh Dadoda 02/12/2024



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.349 ppbv  
RT: 13.764 min Scan# 3471  
Delta R.T. 0.003 min  
Lab File: VL041053.D  
Acq: 9 Feb 2024 11:44

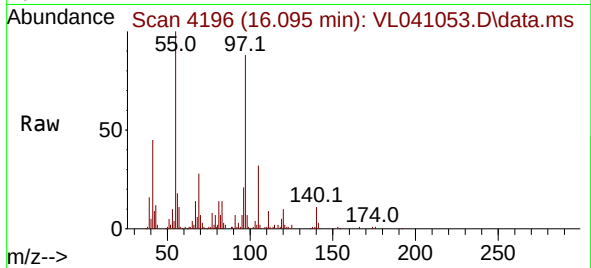
Tgt Ion: 95 Resp: 2397528  
Ion Ratio Lower Upper  
95 100  
174 64.0 49.1 73.7  
175 4.8 3.7 5.5





#74  
 1,2,4-Trimethylbenzene  
 Concen: 0.097 ppbv m  
 RT: 16.095 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: VL041053.D  
 Acq: 9 Feb 2024 11:44

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SS2RDL



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 3774  |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 30.5  | 39.3  | 58.9  |
| 91       | 22.5  | 48.7  | 73.1  |
| 77       | 23.3  | 19.8  | 29.8  |

Manual Integrations  
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