

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL121922\  
 Data File : VL040024.D  
 Acq On : 19 Dec 2022 12:06  
 Operator : SY/MD  
 Sample : VSTDICC0.1  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.1

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/20/2022  
 Supervised By : Mahesh Dadoda 12/20/2022

Quant Time: Dec 20 04:41:51 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 19 2022

QLast Update : Tue Dec 20 04:20:10 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) Bromochloromethane         | 5.173  | 49    | 998638   | 10.000   | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene       | 6.636  | 114   | 2871898  | 10.000   | ppbv  | 0.00     |
| 55) Chlorobenzene-d5          | 11.455 | 117   | 2482394  | 10.000   | ppbv  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 68) 1-Bromo-4-Fluorobenzene   | 13.761 | 95    | 1941869  | 10.241   | ppbv  | 0.00     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =     | 102.400% |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       |          |
| 5) Vinyl Chloride             | 2.903  | 62    | 7411     | 0.099    | ppbv  | 90       |
| 32) 1,1,1-Trichloroethane     | 5.989  | 97    | 16420m   | 0.089    | ppbv  |          |
| 35) Carbon Tetrachloride      | 6.475  | 117   | 15150m   | 0.085    | ppbv  |          |
| 38) Trichloroethene           | 7.269  | 130   | 11659m   | 0.088    | ppbv  |          |
| 52) Tetrachloroethene         | 10.597 | 164   | 8753m    | 0.100    | ppbv  |          |
| 54) 1,2-Dibromoethane         | 9.996  | 107   | 8802m    | 0.078    | ppbv  |          |
| 63) 1,1,2,2-Tetrachloroethane | 13.040 | 83    | 10909m   | 0.101    | ppbv  |          |
| 79) Naphthalene               | 21.387 | 128   | 11368m   | 0.059    | ppbv  |          |
| -----                         |        |       |          |          |       |          |

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

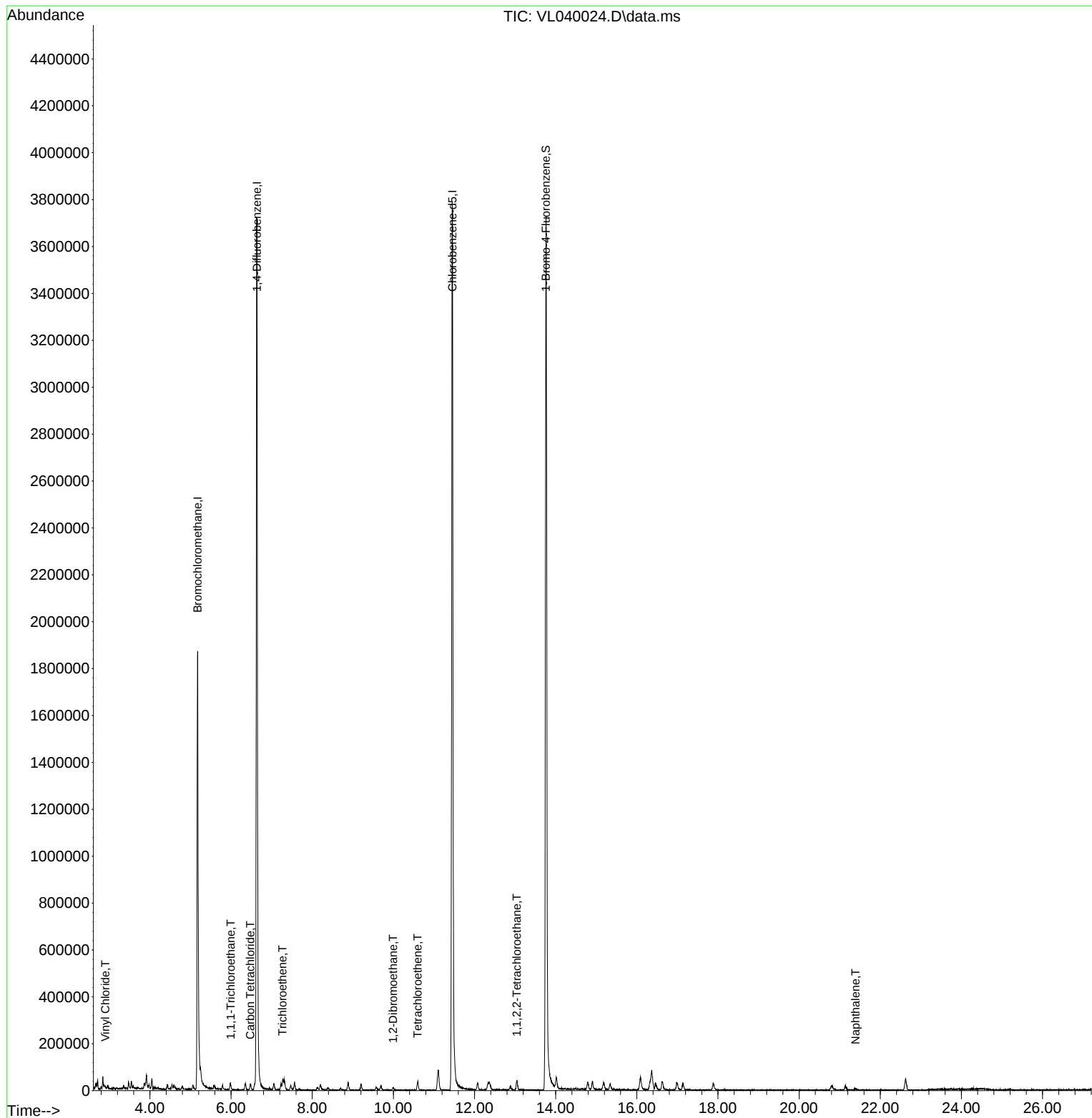
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL121922\  
Data File : VL040024.D  
Acq On : 19 Dec 2022 12:06  
Operator : SY/MD  
Sample : VSTDICC0.1  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

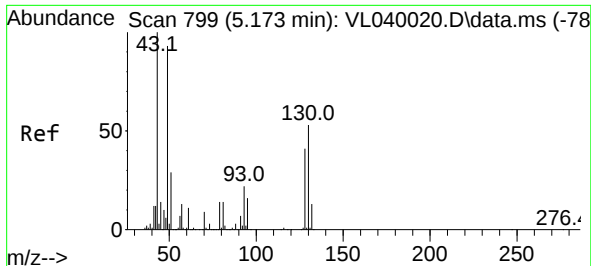
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.1

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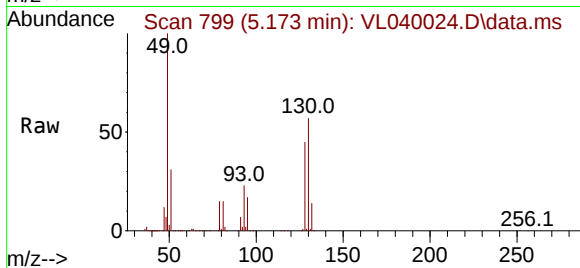
Quant Time: Dec 20 04:41:51 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121922AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Tue Dec 20 04:20:10 2022  
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.173 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VL040024.D  
Acq: 19 Dec 2022 12:06

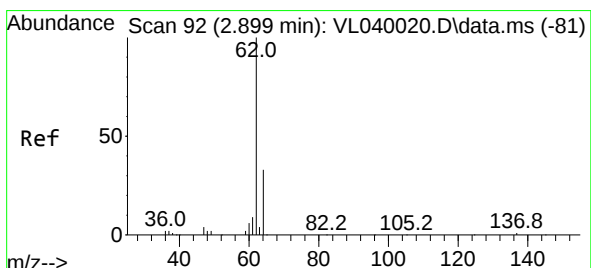
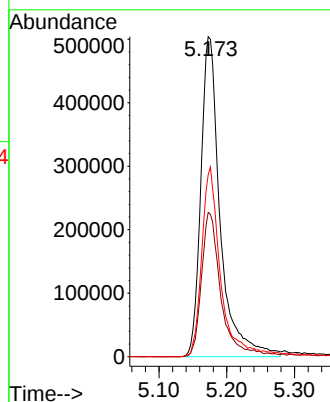
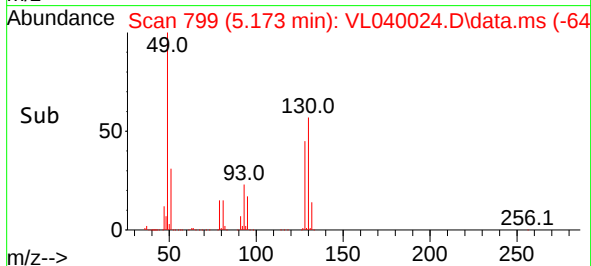
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.1



Tgt Ion: 49 Resp: 998638  
Ion Ratio Lower Upper  
49 100  
128 47.0 22.4 67.3  
130 59.4 28.9 86.8

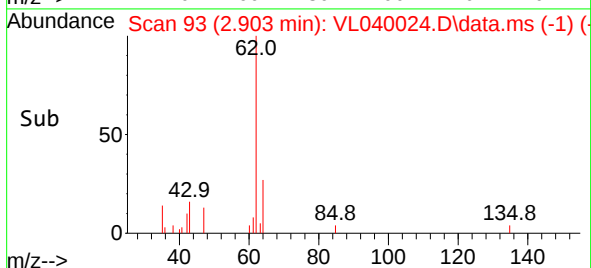
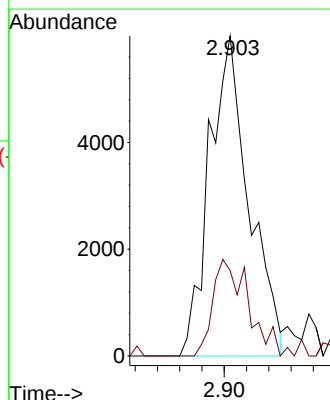
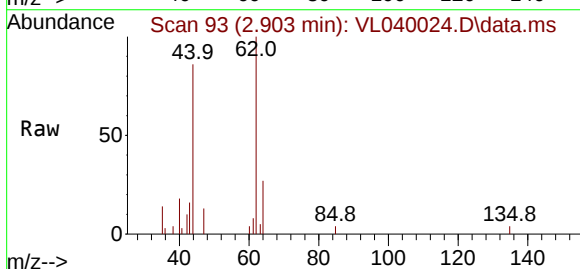
Manual Integrations  
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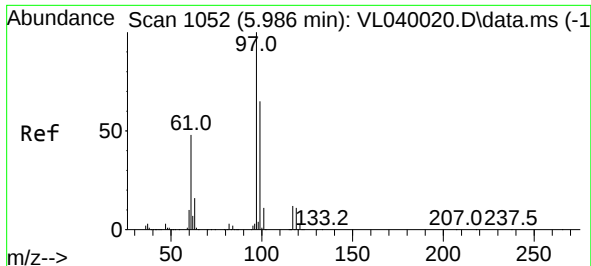
Reviewed By :Semsettin Yesilyurt 12/20/2022  
Supervised By :Mahesh Dadoda 12/20/2022



#5  
Vinyl Chloride  
Concen: 0.099 ppbv  
RT: 2.903 min Scan# 93  
Delta R.T. 0.003 min  
Lab File: VL040024.D  
Acq: 19 Dec 2022 12:06

Tgt Ion: 62 Resp: 7411  
Ion Ratio Lower Upper  
62 100  
64 26.7 26.1 39.1





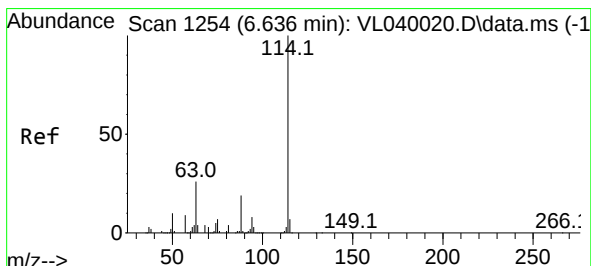
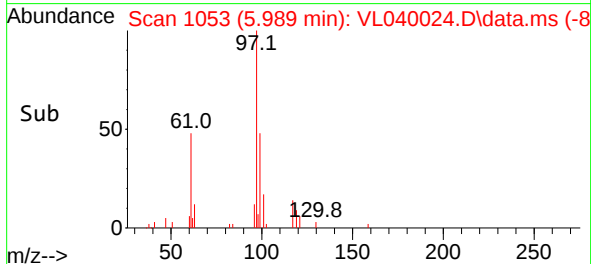
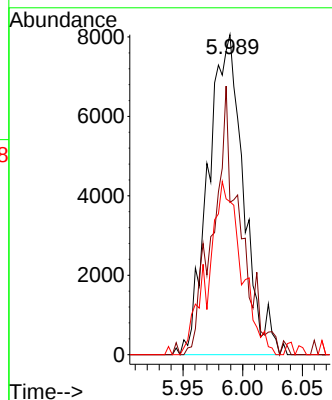
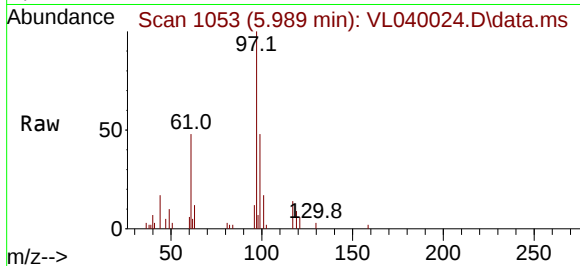
#32  
1,1,1-Trichloroethane  
Concen: 0.089 ppbv m  
RT: 5.989 min Scan# 1053  
Delta R.T. 0.003 min  
Lab File: VL040024.D  
Acq: 19 Dec 2022 12:06

Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

Tgt Ion: 97 Resp: 16420  
Ion Ratio Lower Upper  
97 100  
99 64.9 51.8 77.6  
61 52.5 39.8 59.6

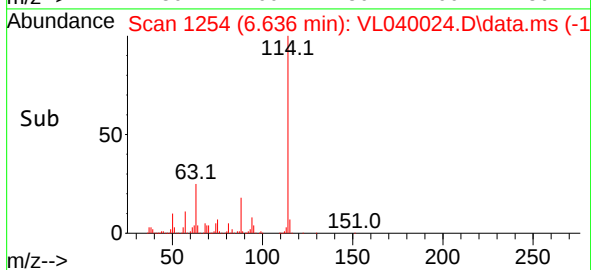
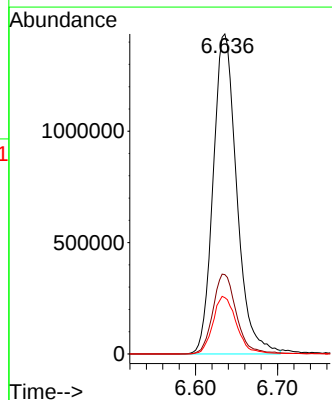
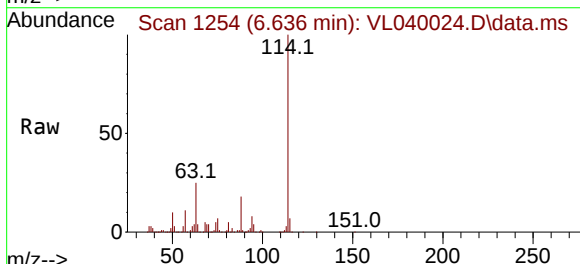
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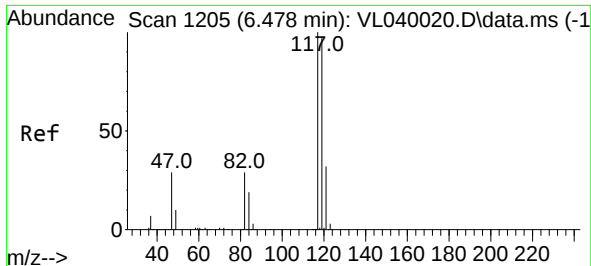
Reviewed By :Semsettin Yesilyurt 12/20/2022  
Supervised By :Mahesh Dadoda 12/20/2022



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.636 min Scan# 1254  
Delta R.T. 0.000 min  
Lab File: VL040024.D  
Acq: 19 Dec 2022 12:06

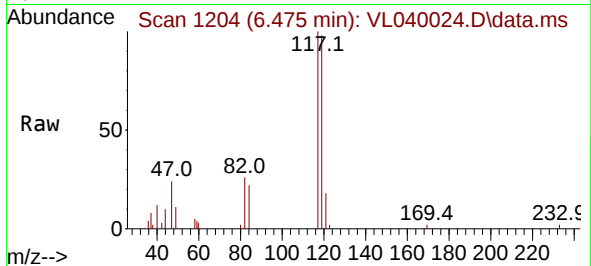
Tgt Ion:114 Resp: 2871898  
Ion Ratio Lower Upper  
114 100  
63 25.1 20.2 30.2  
88 18.2 14.6 21.8





#35  
Carbon Tetrachloride  
Concen: 0.085 ppbv m  
RT: 6.475 min Scan# 1204  
Delta R.T. -0.003 min  
Lab File: VL040024.D  
Acq: 19 Dec 2022 12:06

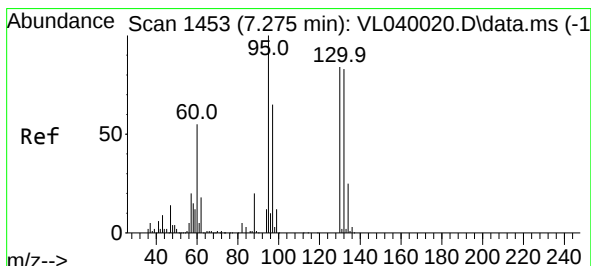
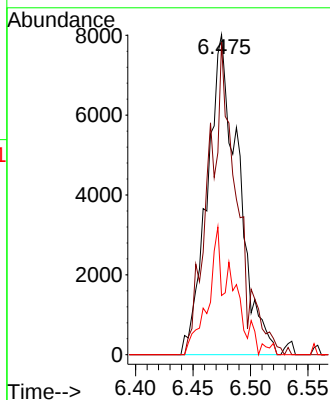
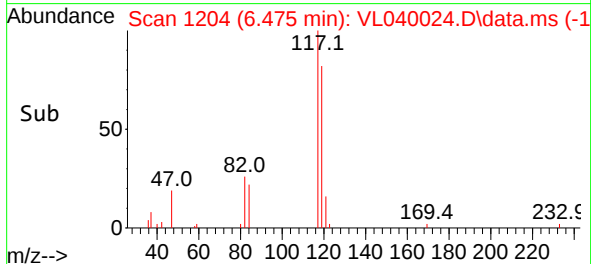
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.1



Tgt Ion:117 Resp: 15150  
Ion Ratio Lower Upper  
117 100  
119 97.6 77.3 115.9  
121 18.5 25.4 38.0

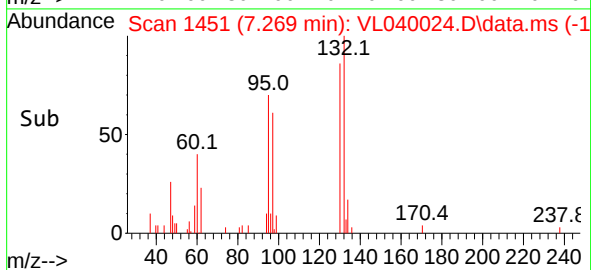
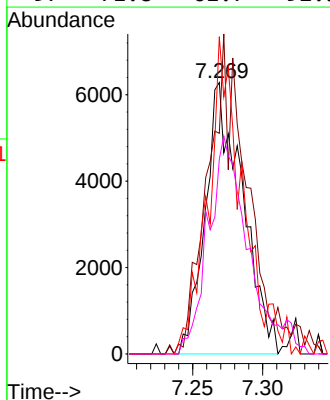
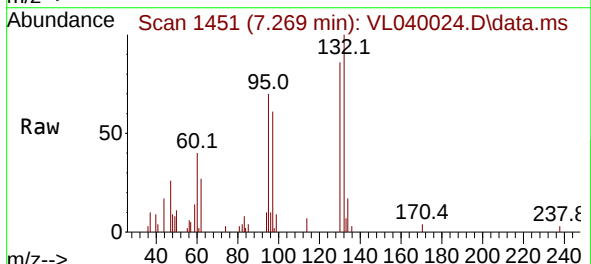
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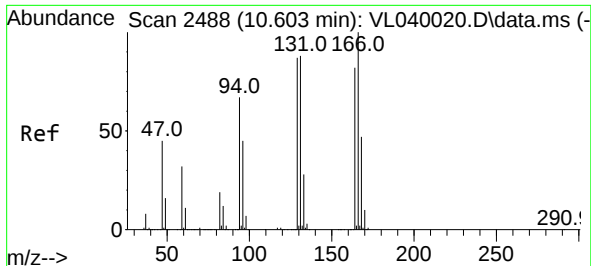
Reviewed By :Semsettin Yesilyurt 12/20/2022  
Supervised By :Mahesh Dadoda 12/20/2022



#38  
Trichloroethene  
Concen: 0.088 ppbv m  
RT: 7.269 min Scan# 1451  
Delta R.T. -0.006 min  
Lab File: VL040024.D  
Acq: 19 Dec 2022 12:06

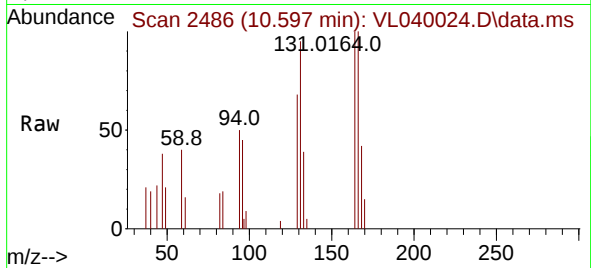
Tgt Ion:130 Resp: 11659  
Ion Ratio Lower Upper  
130 100  
95 81.3 94.8 142.2#  
132 116.9 78.2 117.4  
97 71.8 61.7 92.5





#52  
Tetrachloroethene  
Concen: 0.100 ppbv m  
RT: 10.597 min Scan# 2488  
Delta R.T. -0.006 min  
Lab File: VL040024.D  
Acq: 19 Dec 2022 12:06

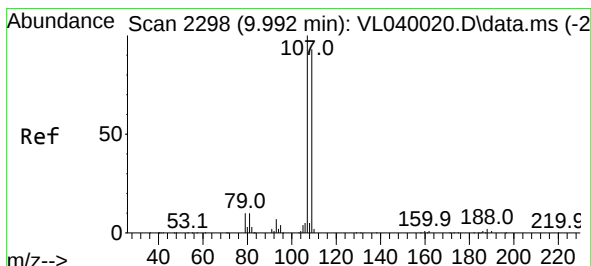
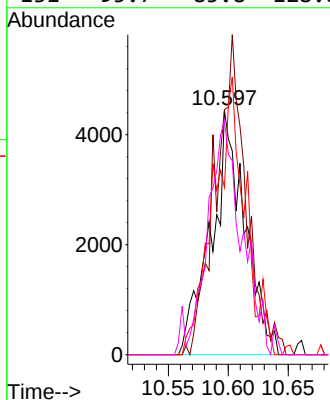
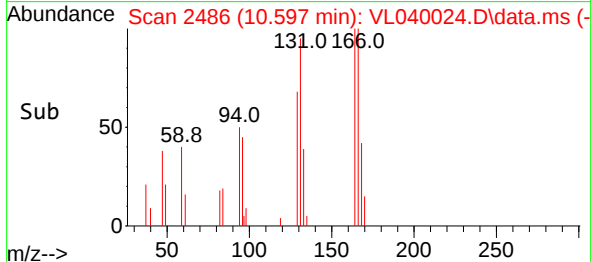
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.1



Tgt Ion:164 Resp: 875  
Ion Ratio Lower Upper  
164 100  
166 100.2 97.4 146.0  
129 68.4 84.3 126.5  
131 95.7 85.8 128.8

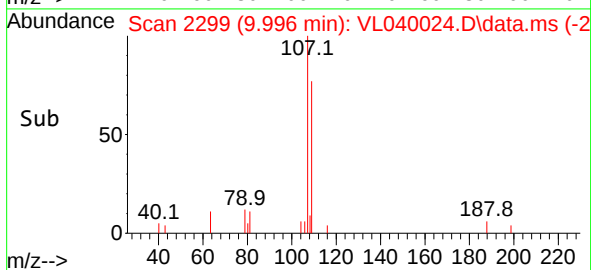
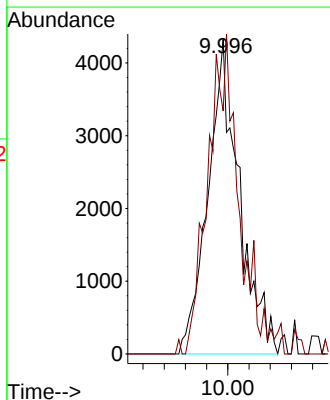
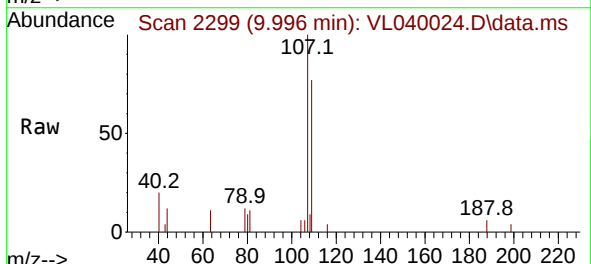
Manual Integrations  
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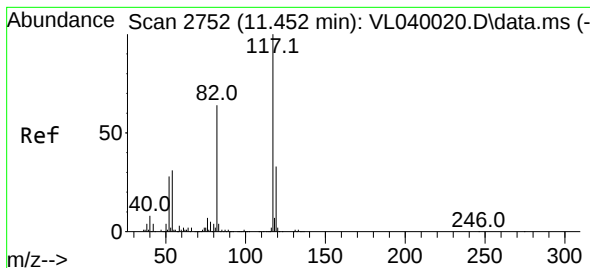
Reviewed By :Semsettin Yesilyurt 12/20/2022  
Supervised By :Mahesh Dadoda 12/20/2022



#54  
1,2-Dibromoethane  
Concen: 0.078 ppbv m  
RT: 9.996 min Scan# 2299  
Delta R.T. 0.003 min  
Lab File: VL040024.D  
Acq: 19 Dec 2022 12:06

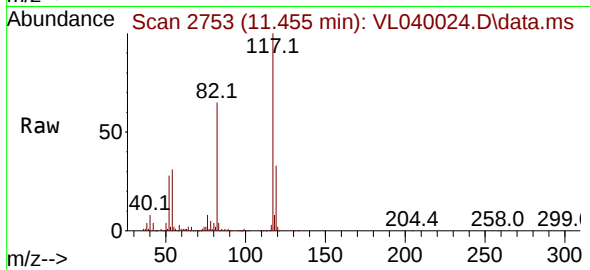
Tgt Ion:107 Resp: 8802  
Ion Ratio Lower Upper  
107 100  
109 77.3 74.1 111.1





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.455 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL040024.D  
Acq: 19 Dec 2022 12:06

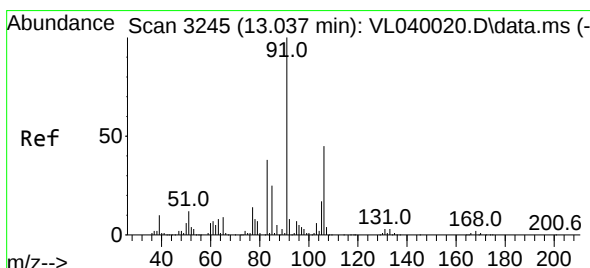
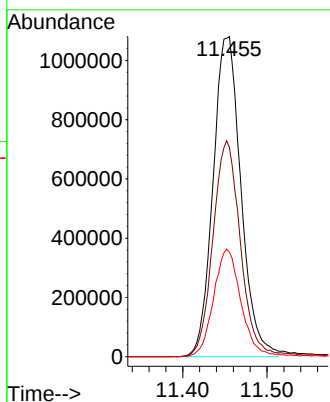
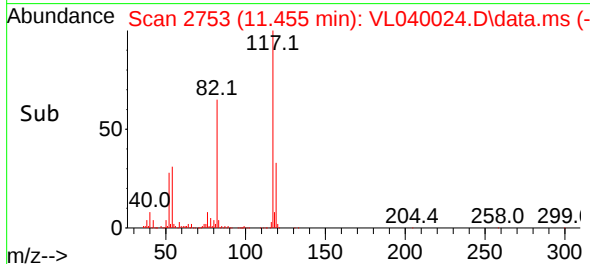
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.1



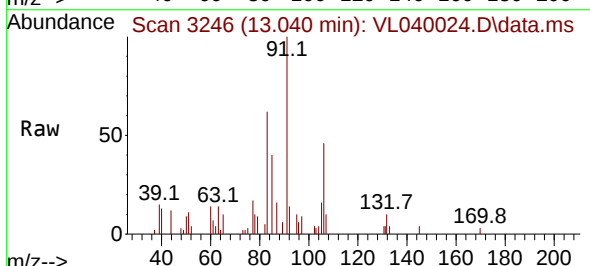
Tgt Ion:117 Resp: 2482394  
Ion Ratio Lower Upper  
117 100  
82 67.6 51.2 76.8  
119 33.3 23.2 34.8

Manual Integrations  
APPROVED

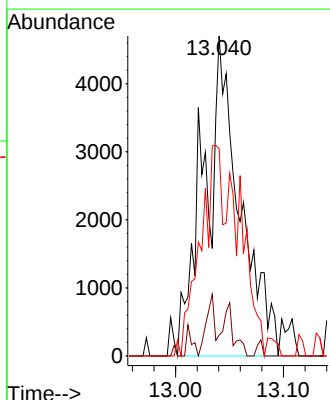
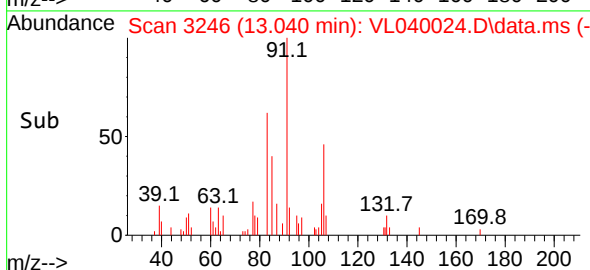
Reviewed By :Semsettin Yesilyurt 12/20/2022  
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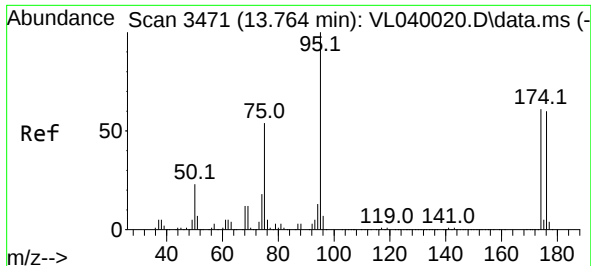


#63  
1,1,2,2-Tetrachloroethane  
Concen: 0.101 ppbv m  
RT: 13.040 min Scan# 3246  
Delta R.T. 0.003 min  
Lab File: VL040024.D  
Acq: 19 Dec 2022 12:06



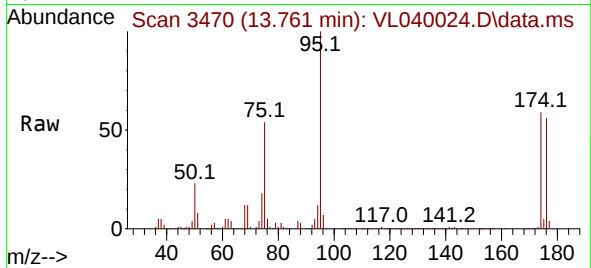
Tgt Ion: 83 Resp: 10909  
Ion Ratio Lower Upper  
83 100  
131 11.8 4.5 13.5  
85 71.6 33.3 99.9





#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.241 ppbv  
RT: 13.761 min Scan# 3471  
Delta R.T. -0.003 min  
Lab File: VL040024.D  
Acq: 19 Dec 2022 12:06

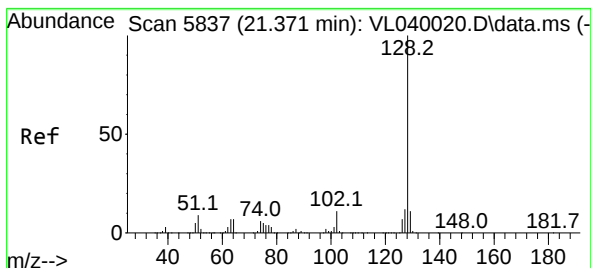
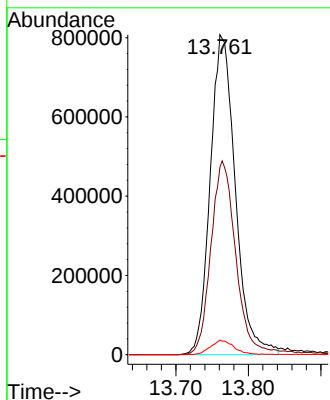
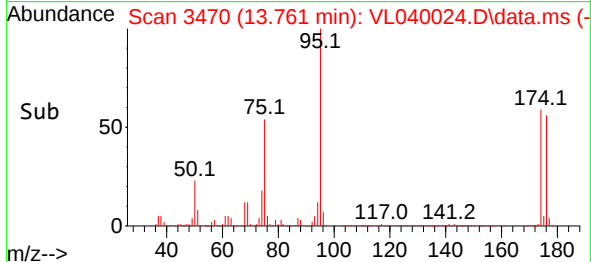
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.1



Tgt Ion: 95 Resp: 1941869  
Ion Ratio Lower Upper  
95 100  
174 61.1 48.6 73.0  
175 4.3 3.4 5.2

Manual Integrations  
APPROVED

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Supervised By :Mahesh Dadoda 12/20/2022



#79  
Naphthalene  
Concen: 0.059 ppbv m  
RT: 21.387 min Scan# 5842  
Delta R.T. 0.016 min  
Lab File: VL040024.D  
Acq: 19 Dec 2022 12:06

Tgt Ion:128 Resp: 11368  
Ion Ratio Lower Upper  
128 100  
127 19.5 10.0 15.0#  
129 17.8 8.8 13.2#

