

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL083122\  
 Data File : VL039607.D  
 Acq On : 31 Aug 2022 14:04  
 Operator : SY/AP  
 Sample : N4408-02DL 20X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SVE-EFF-082222DL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/01/2022  
 Supervised By :Mahesh Dadoda 09/02/2022

Quant Time: Aug 31 23:45:01 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL081722AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
 QLast Update : Fri Aug 26 06:05:16 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.214  | 49    | 970466   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.674  | 114   | 2543170  | 10.000   | ppbv   | 0.01     |
| 55) Chlorobenzene-d5        | 11.484 | 117   | 2212573  | 10.000   | ppbv   | 0.01     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.793 | 95    | 1570634  | 9.409    | ppbv   | 0.02     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 94.100%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 15) Acetone                 | 3.507  | 43    | 48491    | 0.446    | ppbv   | 92       |
| 20) Methylene Chloride      | 3.960  | 84    | 86864    | 1.967    | ppbv   | 92       |
| 26) Hexane                  | 5.237  | 57    | 37507    | 0.395    | ppbv # | 39       |
| 38) Trichloroethene         | 7.314  | 130   | 32554    | 0.313    | ppbv   | 86       |
| 52) Tetrachloroethene       | 10.632 | 164   | 10485m   | 0.143    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

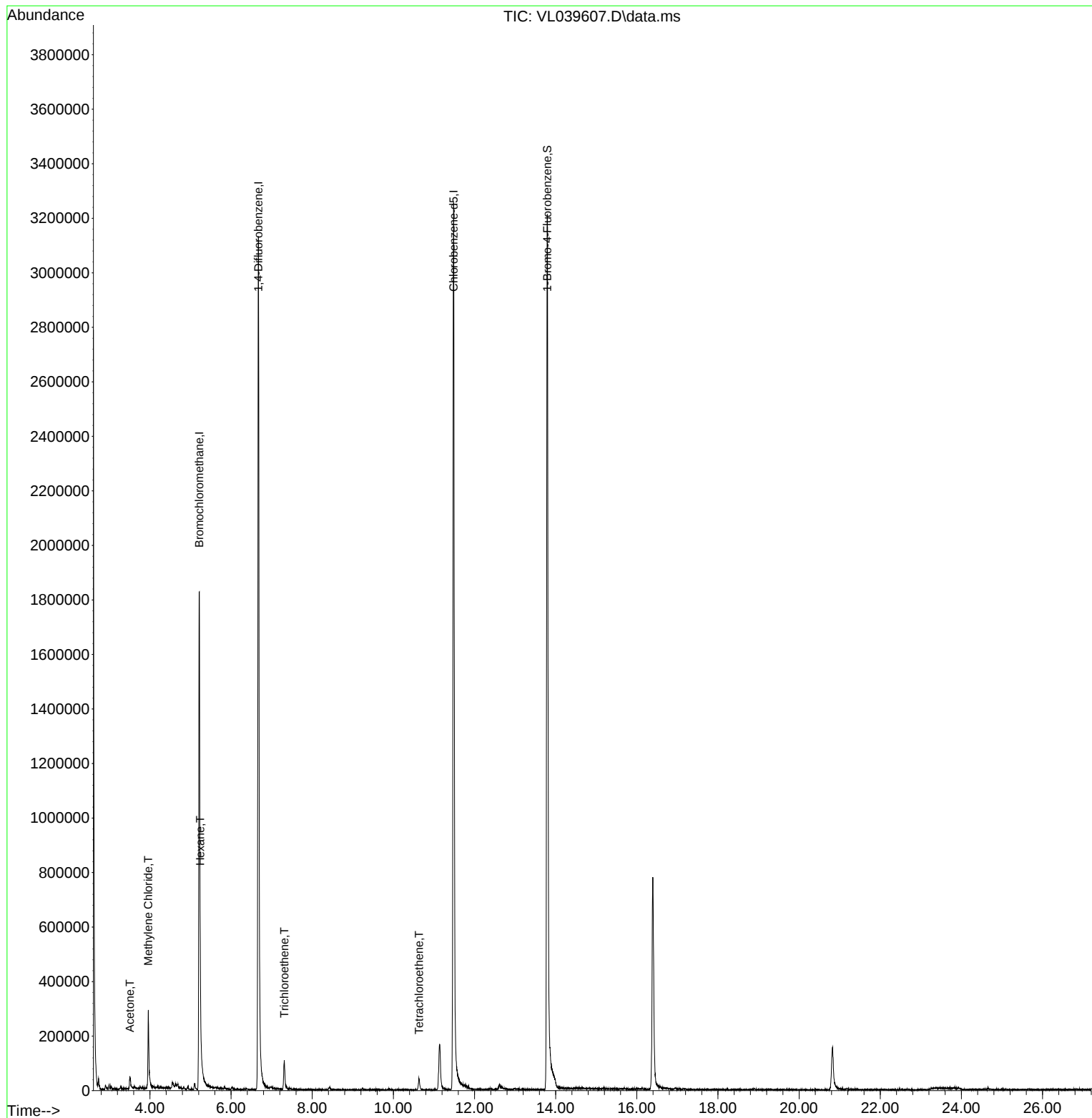
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL083122\  
Data File : VL039607.D  
Acq On : 31 Aug 2022 14:04  
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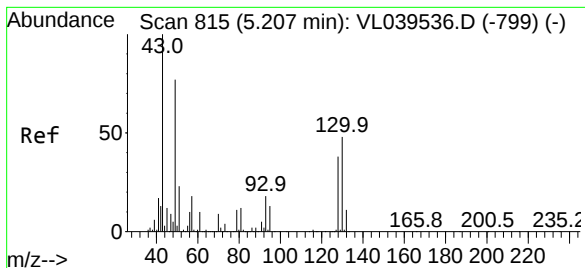
Instrument :  
MSVOA\_L  
ClientSampleId :  
SVE-EFF-082222DL

Quant Time: Aug 31 23:45:01 2022  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL081722AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Fri Aug 26 06:05:16 2022  
Response via : Initial Calibration

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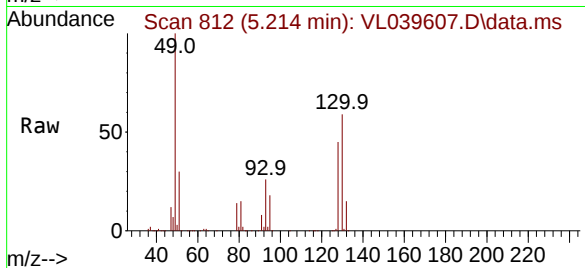
Reviewed By : Semsettin Yesilyurt 09/01/2022  
Supervised By : Mahesh Dadoda 09/02/2022





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.214 min Scan# 815  
Delta R.T. 0.007 min  
Lab File: VL039607.D  
Acq: 31 Aug 2022 14:04

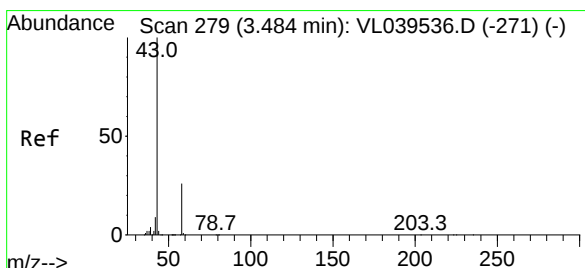
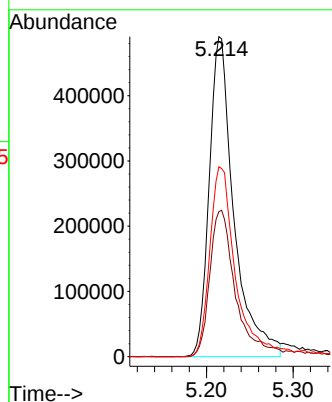
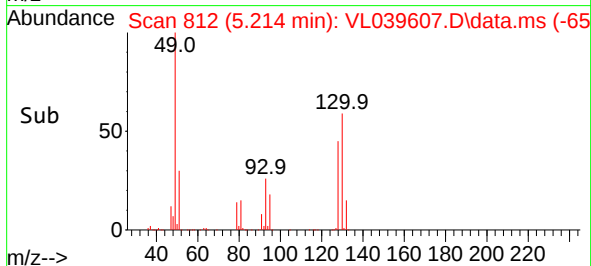
Instrument :  
MSVOA\_L  
ClientSampleId :  
SVE-EFF-082222DL



Tgt Ion: 49 Resp: 970460  
Ion Ratio Lower Upper  
49 100  
128 50.7 26.7 80.0  
130 64.7 34.3 102.8

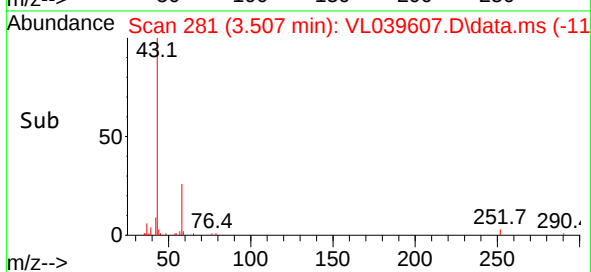
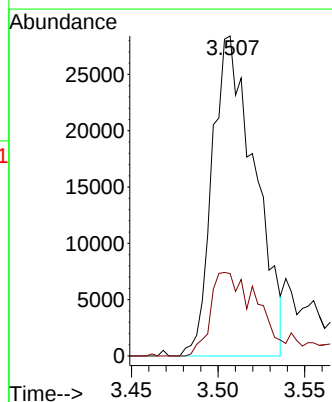
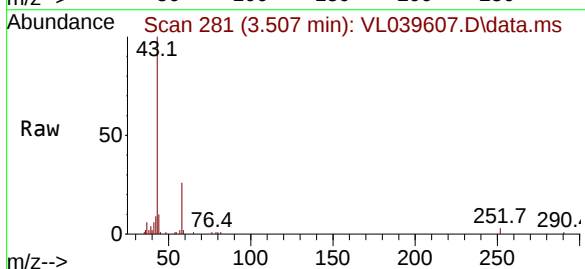
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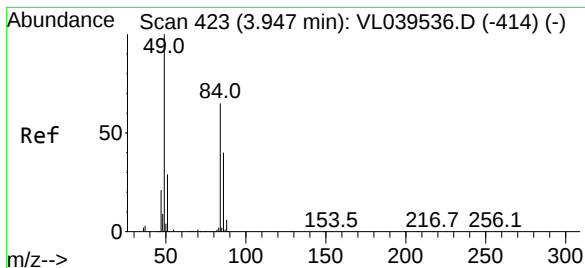
Reviewed By :Semsettin Yesilyurt 09/01/2022  
Supervised By :Mahesh Dadoda 09/02/2022



#15  
Acetone  
Concen: 0.446 ppbv  
RT: 3.507 min Scan# 281  
Delta R.T. 0.023 min  
Lab File: VL039607.D  
Acq: 31 Aug 2022 14:04

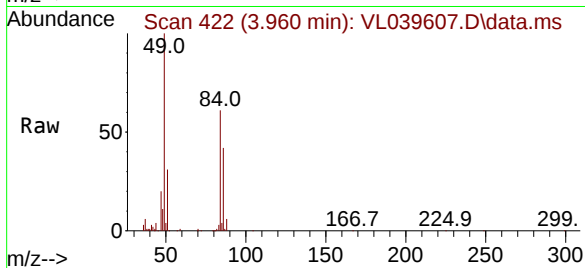
Tgt Ion: 43 Resp: 48491  
Ion Ratio Lower Upper  
43 100  
58 30.3 21.0 31.6





#20  
Methylene Chloride  
Concen: 1.967 ppbv  
RT: 3.960 min Scan# 41  
Delta R.T. 0.013 min  
Lab File: VL039607.D  
Acq: 31 Aug 2022 14:04

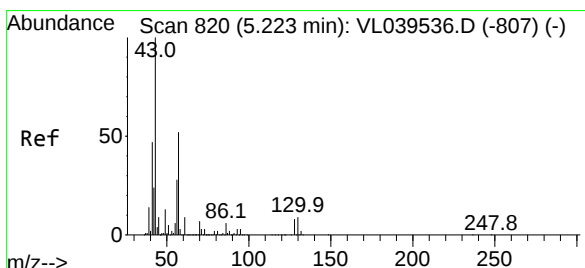
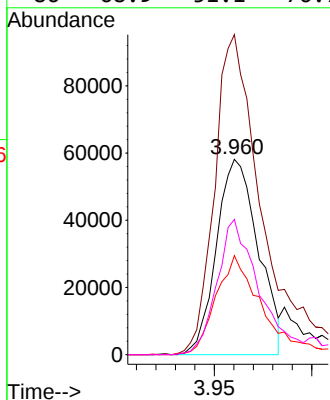
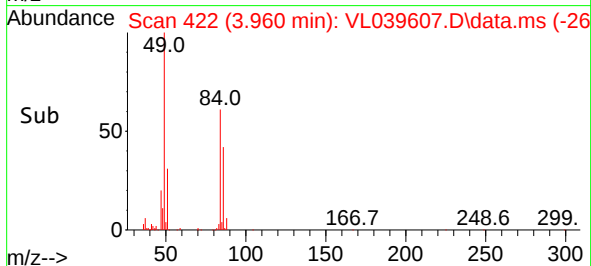
Instrument :  
MSVOA\_L  
ClientSampleId :  
SVE-EFF-082222DL



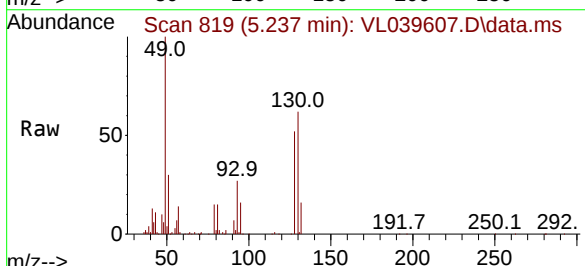
Tgt Ion: 84 Resp: 86864  
Ion Ratio Lower Upper  
84 100  
49 163.2 123.1 184.7  
51 49.9 34.4 51.6  
86 68.9 51.1 76.7

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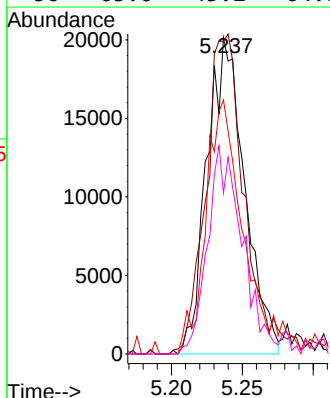
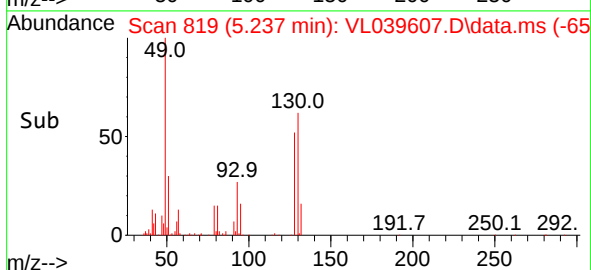
Reviewed By :Semsettin Yesilyurt 09/01/2022  
Supervised By :Mahesh Dadoda 09/02/2022

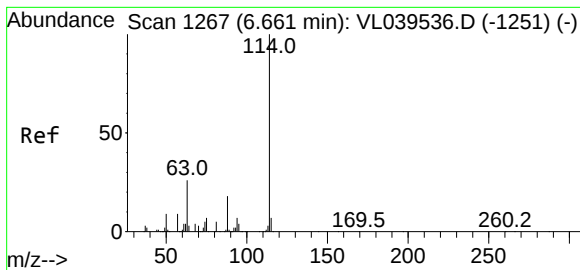


#26  
Hexane  
Concen: 0.395 ppbv  
RT: 5.237 min Scan# 819  
Delta R.T. 0.013 min  
Lab File: VL039607.D  
Acq: 31 Aug 2022 14:04



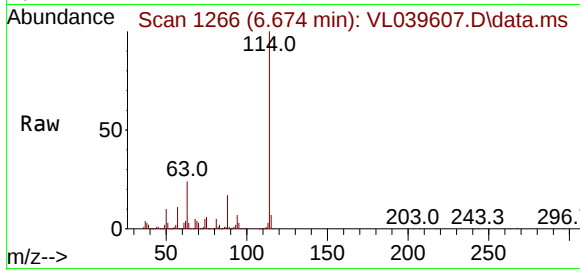
Tgt Ion: 57 Resp: 37507  
Ion Ratio Lower Upper  
57 100  
41 106.7 76.9 115.3  
43 82.7 191.0 286.6#  
56 63.6 43.2 64.8





#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.674 min Scan# 1266  
Delta R.T. 0.013 min  
Lab File: VL039607.D  
Acq: 31 Aug 2022 14:04

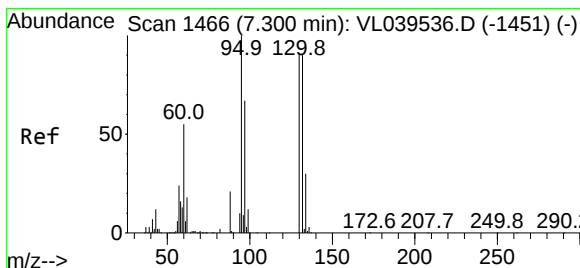
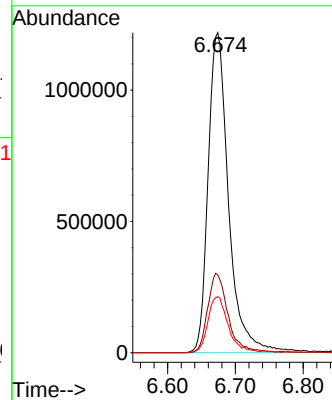
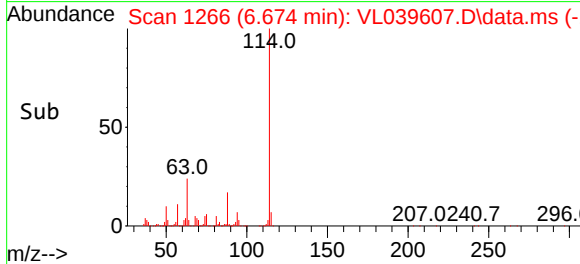
Instrument : MSVOA\_L  
ClientSampleId : SVE-EFF-082222DL



Tgt Ion:114 Resp: 2543170  
Ion Ratio Lower Upper  
114 100  
63 25.1 20.2 30.4  
88 17.9 14.5 21.7

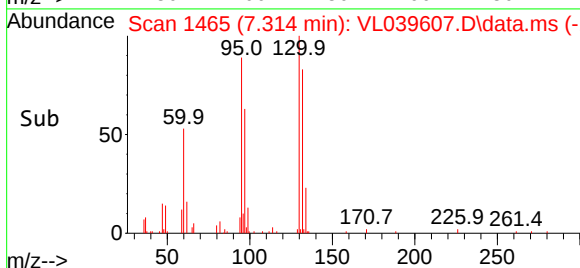
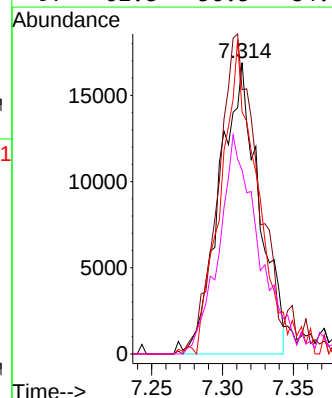
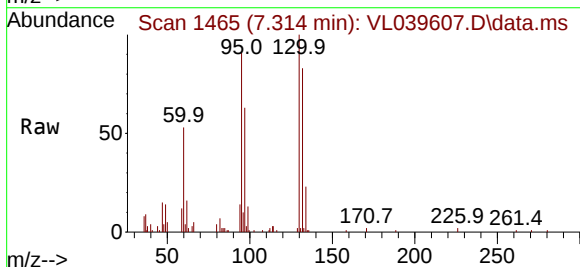
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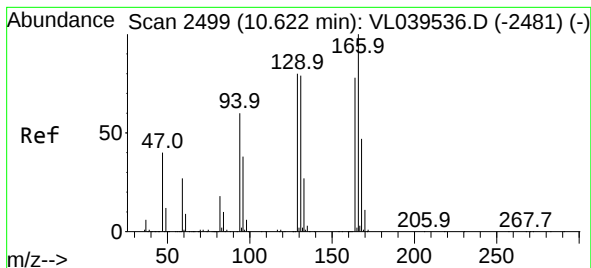
Reviewed By :Semsettin Yesilyurt 09/01/2022  
Supervised By :Mahesh Dadoda 09/02/2022



#38  
Trichloroethene  
Concen: 0.313 ppbv  
RT: 7.314 min Scan# 1465  
Delta R.T. 0.013 min  
Lab File: VL039607.D  
Acq: 31 Aug 2022 14:04

Tgt Ion:130 Resp: 32554  
Ion Ratio Lower Upper  
130 100  
95 90.3 87.3 130.9  
132 83.6 76.7 115.1  
97 62.8 56.5 84.7





#52

Tetrachloroethene

Concen: 0.143 ppbv m

RT: 10.632 min Scan# 2499

Delta R.T. 0.010 min

Lab File: VL039607.D

Acq: 31 Aug 2022 14:04

Instrument :

MSVOA\_L

ClientSampleId :

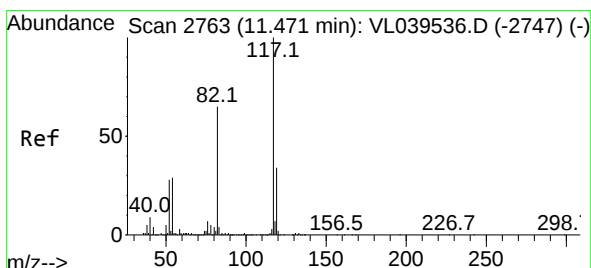
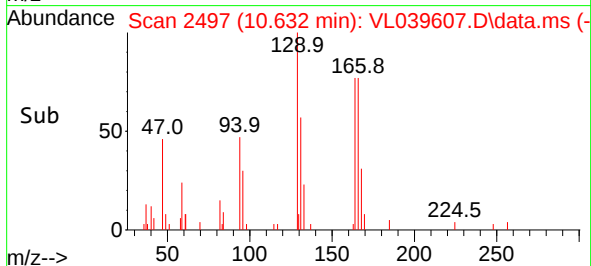
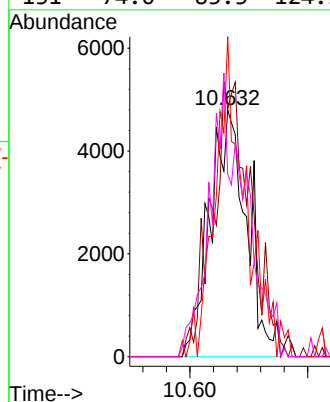
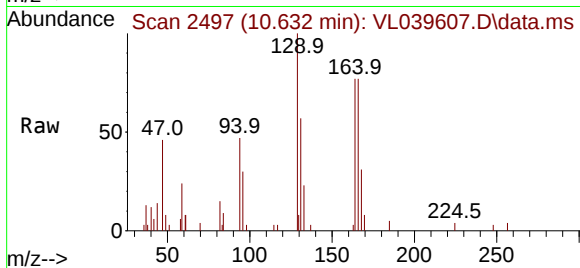
SVE-EFF-082222DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 1048  |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 166       | 100.4 | 102.2 | 153.2 |
| 129       | 129.8 | 85.8  | 128.8 |
| 131       | 74.0  | 83.3  | 124.9 |

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

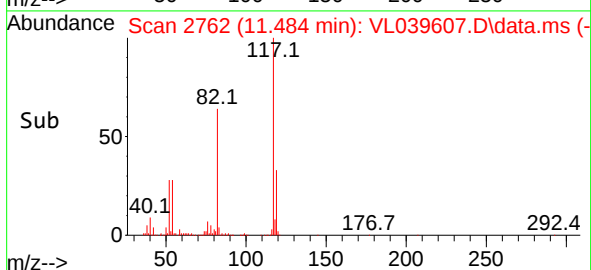
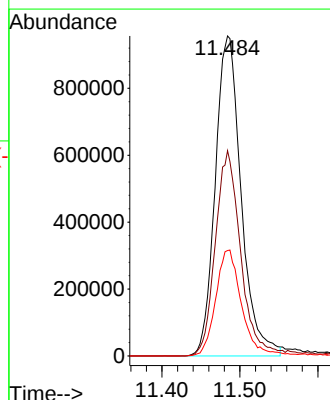
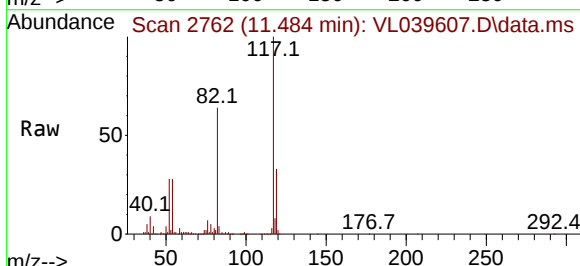
RT: 11.484 min Scan# 2762

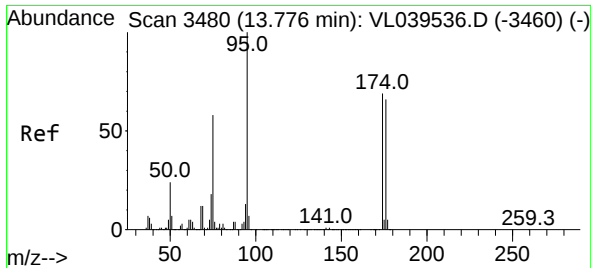
Delta R.T. 0.013 min

Lab File: VL039607.D

Acq: 31 Aug 2022 14:04

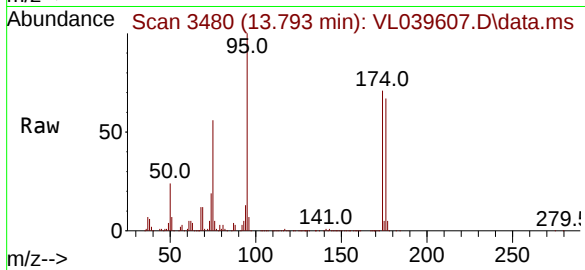
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 117   | Resp: | 2212573 |
| Ion Ratio | Lower | Upper |         |
| 117       | 100   |       |         |
| 82        | 64.4  | 50.8  | 76.2    |
| 119       | 33.9  | 24.1  | 36.1    |





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.409 ppbv  
 RT: 13.793 min Scan# 34  
 Delta R.T. 0.017 min  
 Lab File: VL039607.D  
 Acq: 31 Aug 2022 14:04

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SVE-EFF-082222DL



Tgt Ion: 95 Resp: 1570634  
 Ion Ratio Lower Upper  
 95 100  
 174 74.7 55.9 83.9  
 175 5.6 4.2 6.4

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