

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL060322\  
 Data File : VL039165.D  
 Acq On : 3 Jun 2022 23:11  
 Operator : SY/AP  
 Sample : N3106-01DL 40X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1DL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2022  
 Supervised By :Mahesh Dadoda 06/06/2022

Quant Time: Jun 04 00:19:41 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL053122AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Jun 04 00:19:41 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       | 5.677  | 49    | 1072935  | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 7.182  | 114   | 2567333  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 12.092 | 117   | 2264234  | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 14.420 | 95    | 1930899  | 10.315   | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 103.200% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 9) Propene                  | 3.031  | 41    | 532194m  | 8.940    | ppbv   |          |
| 10) Heptane                 | 8.131  | 43    | 496111   | 3.573    | ppbv   | 100      |
| 13) Ethanol                 | 3.626  | 45    | 1218m    | 0.375    | ppbv   |          |
| 20) Methylene Chloride      | 4.356  | 84    | 19609m   | 0.416    | ppbv   |          |
| 26) Hexane                  | 5.697  | 57    | 971801   | 8.779    | ppbv # | 38       |
| 34) 2-Butanone              | 5.279  | 43    | 20196m   | 0.145    | ppbv   |          |
| 52) Tetrachloroethene       | 11.227 | 164   | 21523m   | 0.264    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

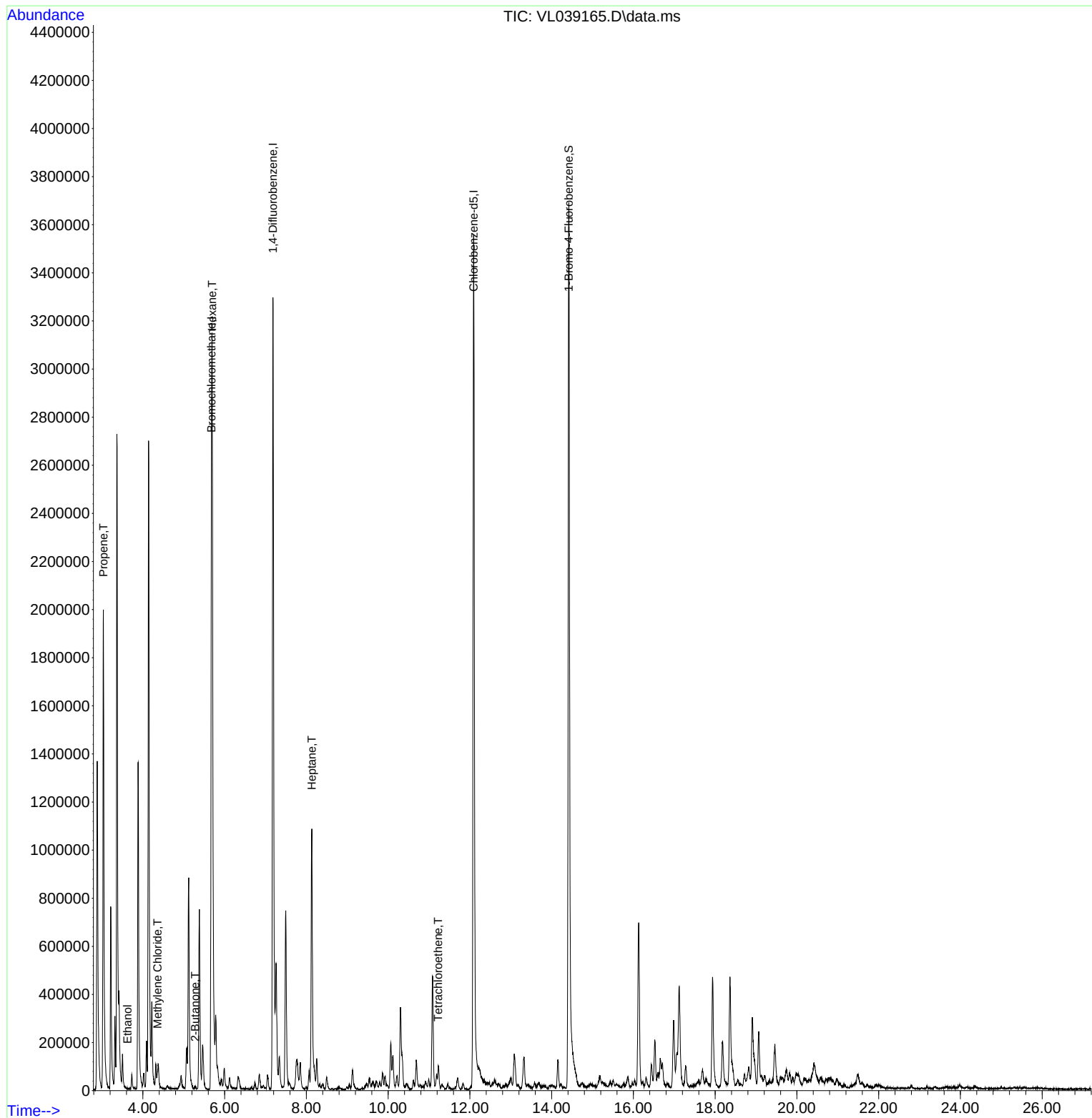
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL060322\  
Data File : VL039165.D  
Acq On : 3 Jun 2022 23:11  
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Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

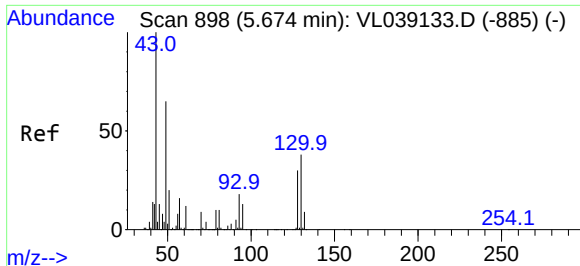
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL

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Quant Time: Jun 04 00:19:41 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





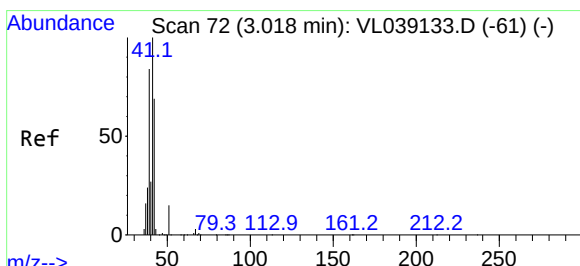
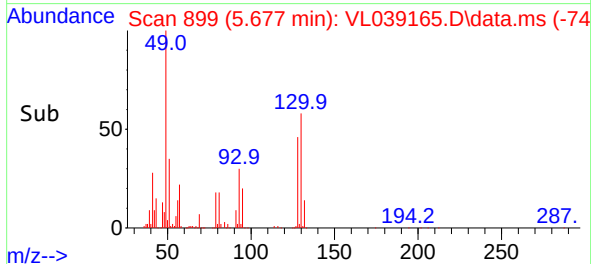
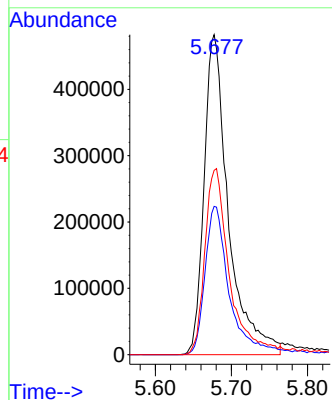
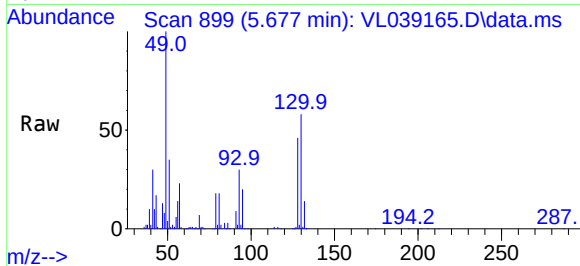
#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.677 min Scan# 89  
Delta R.T. 0.003 min  
Lab File: VL039165.D  
Acq: 3 Jun 2022 23:11

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL

Tgt Ion: 49 Resp: 107293  
Ion Ratio Lower Upper  
49 100  
128 48.6 24.7 74.1  
130 61.7 31.4 94.0

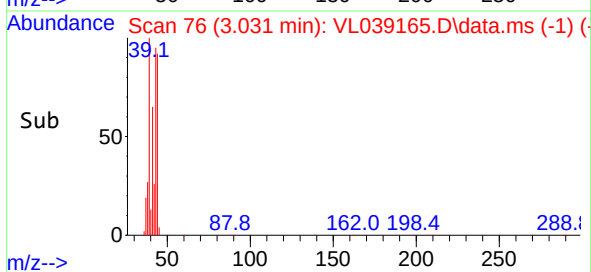
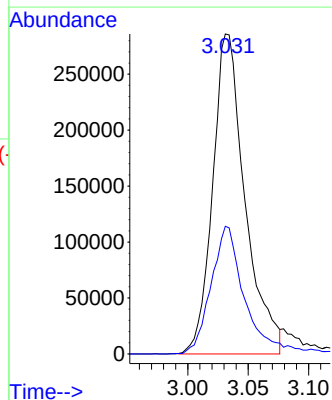
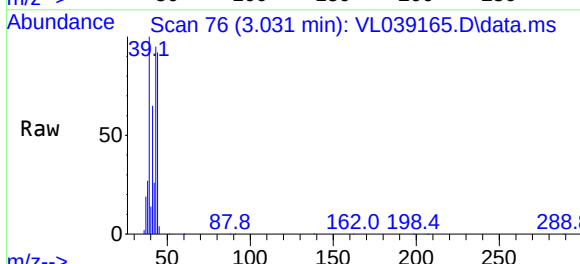
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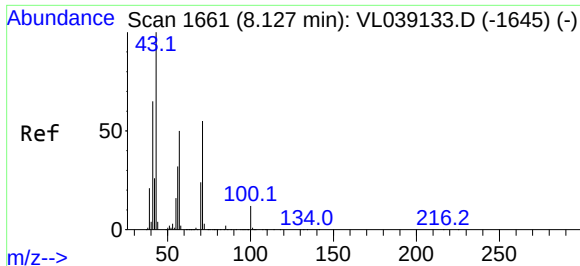
Reviewed By :Semsettin Yesilyurt 06/05/2022  
Supervised By :Mahesh Dadoda 06/06/2022



#9  
Propene  
Concen: 8.940 ppbv m  
RT: 3.031 min Scan# 76  
Delta R.T. 0.013 min  
Lab File: VL039165.D  
Acq: 3 Jun 2022 23:11

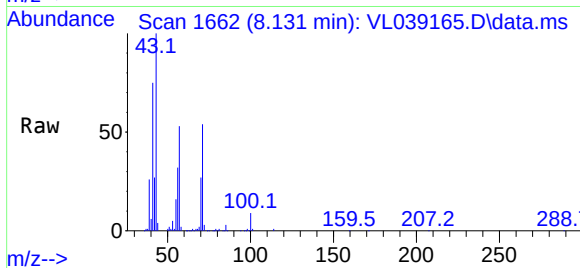
Tgt Ion: 41 Resp: 532194  
Ion Ratio Lower Upper  
41 100  
42 33.5 55.4 83.2#





#10  
Heptane  
Concen: 3.573 ppbv  
RT: 8.131 min Scan# 10  
Delta R.T. 0.003 min  
Lab File: VL039165.D  
Acq: 3 Jun 2022 23:11

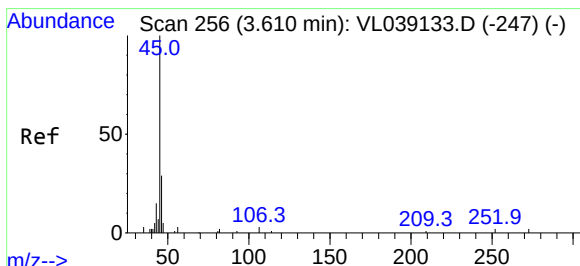
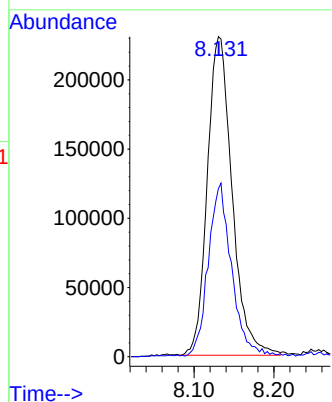
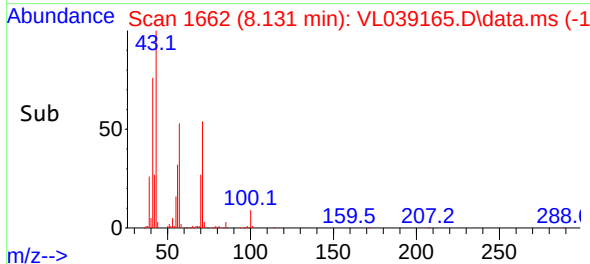
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL



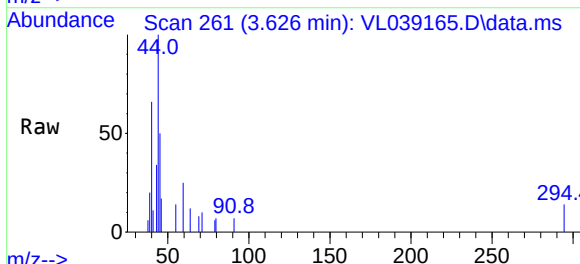
Tgt Ion: 43 Resp: 49611  
Ion Ratio Lower Upper  
43 100  
57 52.1 41.4 62.2

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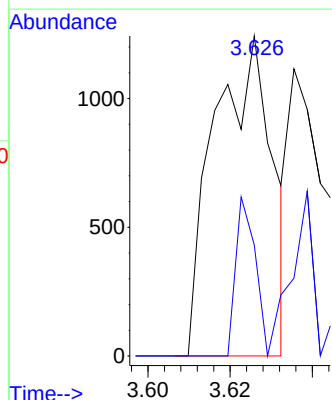
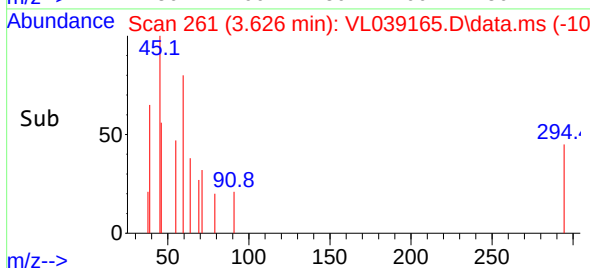
Reviewed By :Semsettin Yesilyurt 06/05/2022  
Supervised By :Mahesh Dadoda 06/06/2022

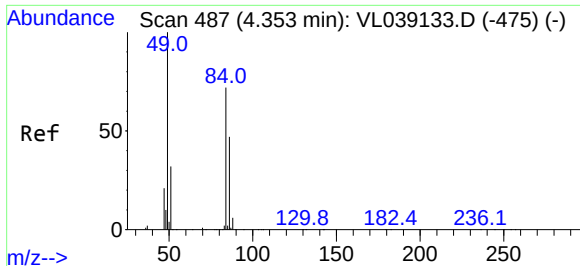


#13  
Ethanol  
Concen: 0.375 ppbv m  
RT: 3.626 min Scan# 261  
Delta R.T. 0.016 min  
Lab File: VL039165.D  
Acq: 3 Jun 2022 23:11



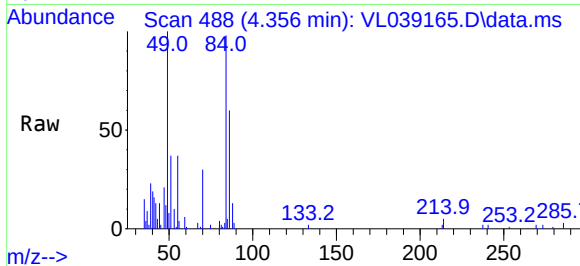
Tgt Ion: 45 Resp: 1218  
Ion Ratio Lower Upper  
45 100  
46 0.0 0.0 0.0





#20  
Methylene Chloride  
Concen: 0.416 ppbv m  
RT: 4.356 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VL039165.D  
Acq: 3 Jun 2022 23:11

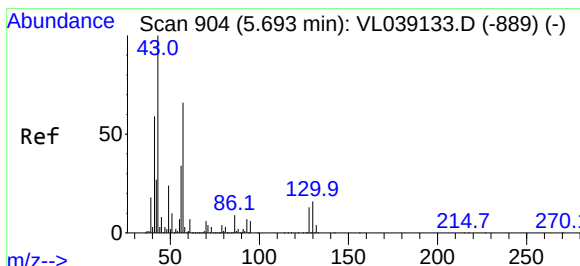
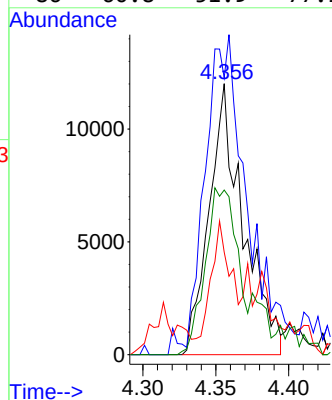
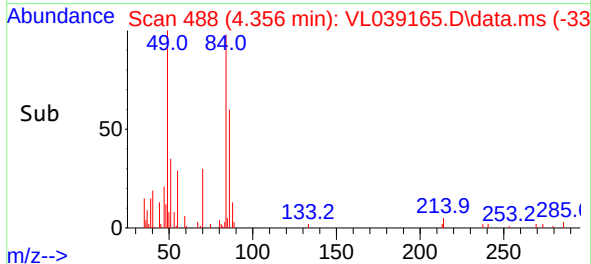
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL



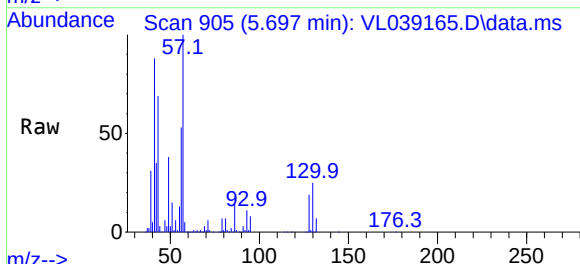
Tgt Ion: 84 Resp: 19609  
Ion Ratio Lower Upper  
84 100  
49 102.1 111.1 166.7  
51 37.8 35.3 52.9  
86 60.8 51.9 77.9

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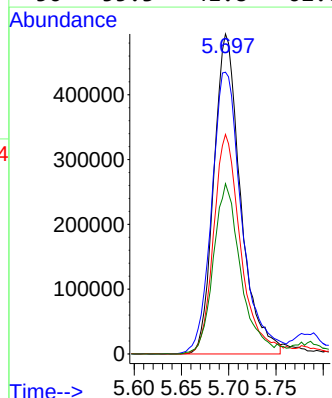
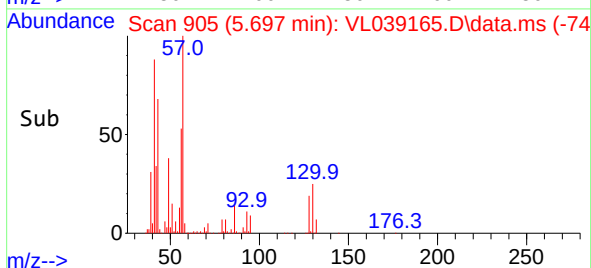
Reviewed By :Semsettin Yesilyurt 06/05/2022  
Supervised By :Mahesh Dadoda 06/06/2022

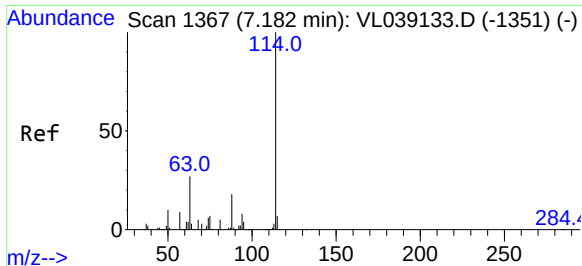


#26  
Hexane  
Concen: 8.779 ppbv  
RT: 5.697 min Scan# 905  
Delta R.T. 0.003 min  
Lab File: VL039165.D  
Acq: 3 Jun 2022 23:11



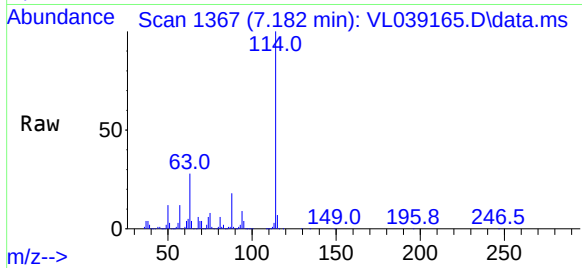
Tgt Ion: 57 Resp: 971801  
Ion Ratio Lower Upper  
57 100  
41 98.7 72.4 108.6  
43 72.9 187.0 280.6  
56 55.3 41.8 62.6





#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.182 min Scan# 114  
Delta R.T. -0.000 min  
Lab File: VL039165.D  
Acq: 3 Jun 2022 23:11

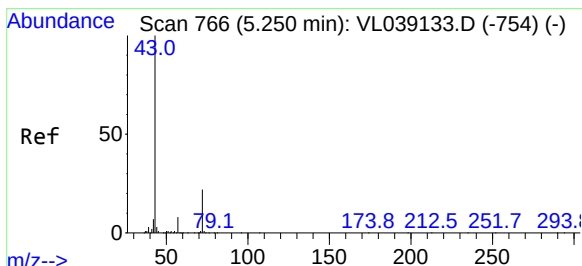
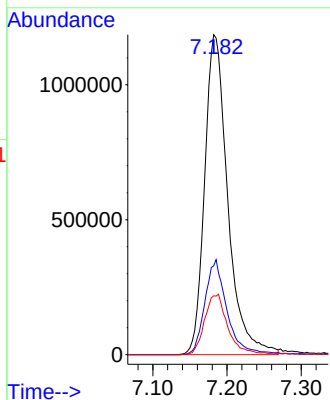
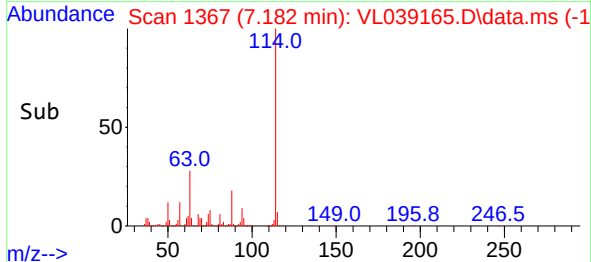
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL



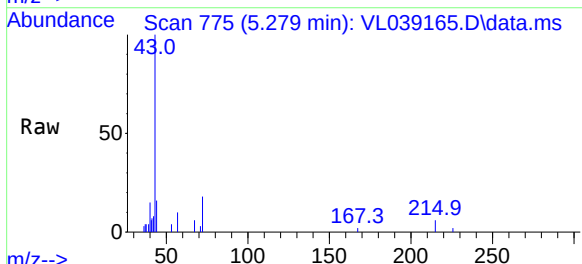
Tgt Ion:114 Resp: 256733  
Ion Ratio Lower Upper  
114 100  
63 28.7 21.7 32.5  
88 19.2 14.8 22.2

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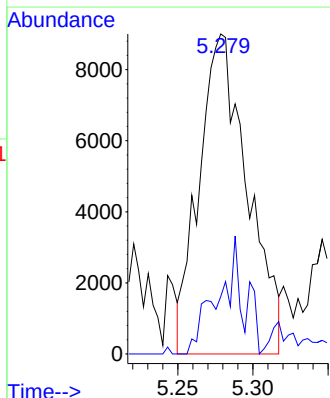
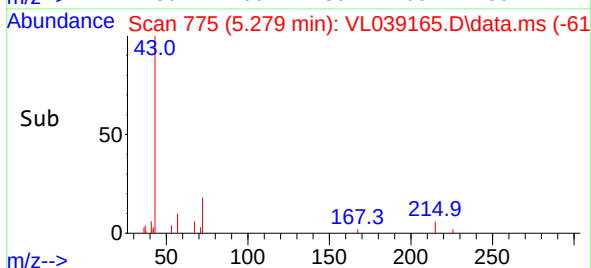
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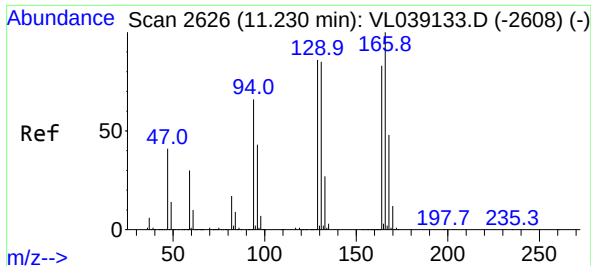


#34  
2-Butanone  
Concen: 0.145 ppbv m  
RT: 5.279 min Scan# 775  
Delta R.T. 0.029 min  
Lab File: VL039165.D  
Acq: 3 Jun 2022 23:11



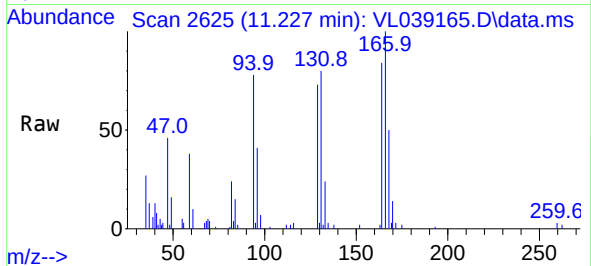
Tgt Ion: 43 Resp: 20196  
Ion Ratio Lower Upper  
43 100  
72 23.4 18.2 27.2





#52  
Tetrachloroethene  
Concen: 0.264 ppbv m  
RT: 11.227 min Scan# 2625  
Delta R.T. -0.003 min  
Lab File: VL039165.D  
Acq: 3 Jun 2022 23:11

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL

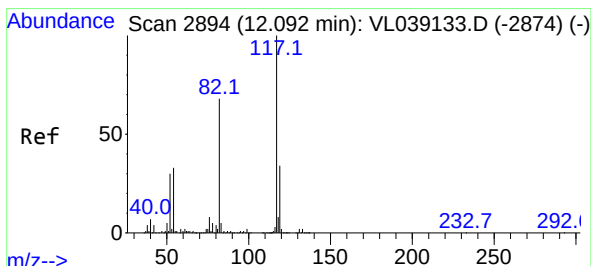
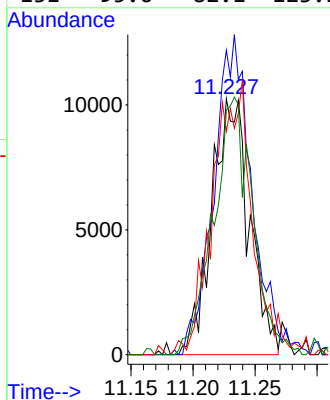
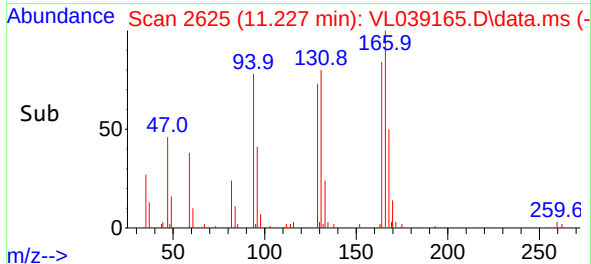


Tgt Ion:164 Resp: 2152

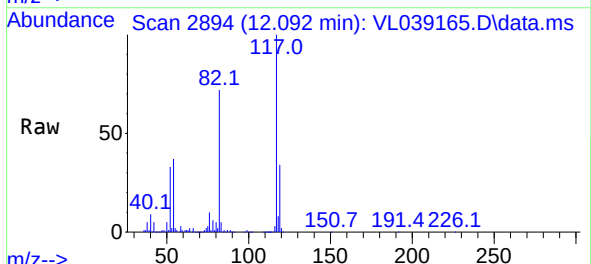
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 118.9 | 96.3  | 144.5 |
| 129 | 87.4  | 82.5  | 123.7 |
| 131 | 95.6  | 82.1  | 123.1 |

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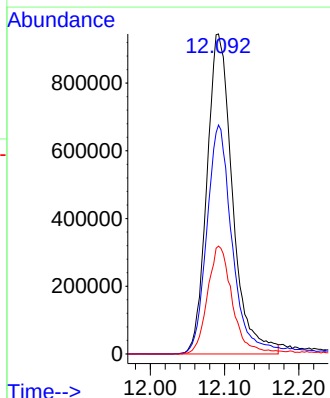
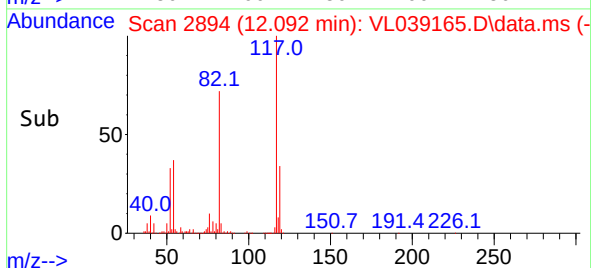


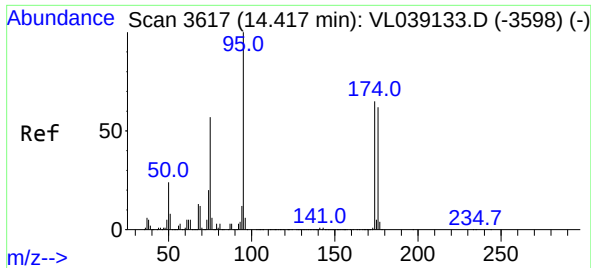
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Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.092 min Scan# 2894  
Delta R.T. -0.000 min  
Lab File: VL039165.D  
Acq: 3 Jun 2022 23:11



Tgt Ion:117 Resp: 2264234

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 74.1  | 55.1  | 82.7  |
| 119 | 34.2  | 24.7  | 37.1  |





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.315 ppbv  
 RT: 14.420 min Scan# 30  
 Delta R.T. 0.003 min  
 Lab File: VL039165.D  
 Acq: 3 Jun 2022 23:11

Instrument :  
 MSVOA\_L  
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Tgt Ion: 95 Resp: 1930899  
 Ion Ratio Lower Upper  
 95 100  
 174 64.7 53.8 80.8  
 175 4.7 4.1 6.1

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