

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012422\  
 Data File : VL038277.D  
 Acq On : 25 Jan 2022 2:17  
 Operator : SY/AP  
 Sample : N1244-03DL 10X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SG-3DL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/25/2022  
 Supervised By :Mahesh Dadoda 01/26/2022

Quant Time: Jan 25 14:55:04 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012422A  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
 QLast Update : Mon Jan 24 14:12:48 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.68  | 49   | 826462   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 2203748  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.10 | 117  | 1900217  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.43  | 95    | 1384329  | 9.60     | ppbv | 0.01   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 96.00% |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units | Ovalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 9) Propene                 | 3.04  | 41   | 214694m  | 4.009 | ppbv  |        |
| 10) Heptane                | 8.13  | 43   | 13166m   | 0.096 | ppbv  |        |
| 11) Trichlorofluoromethane | 3.97  | 101  | 17497m   | 0.128 | ppbv  |        |
| 13) Ethanol                | 3.64  | 45   | 21957m   | 3.819 | ppbv  |        |
| 15) Acetone                | 3.88  | 43   | 143308   | 1.967 | ppbv  | 96     |
| 34) 2-Butanone             | 5.28  | 43   | 8380m    | 0.116 | ppbv  |        |
| 52) Tetrachloroethene      | 11.23 | 164  | 53618    | 0.798 | ppbv  | 88     |
| 53) Toluene                | 9.82  | 91   | 95272    | 0.442 | ppbv  | 98     |

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

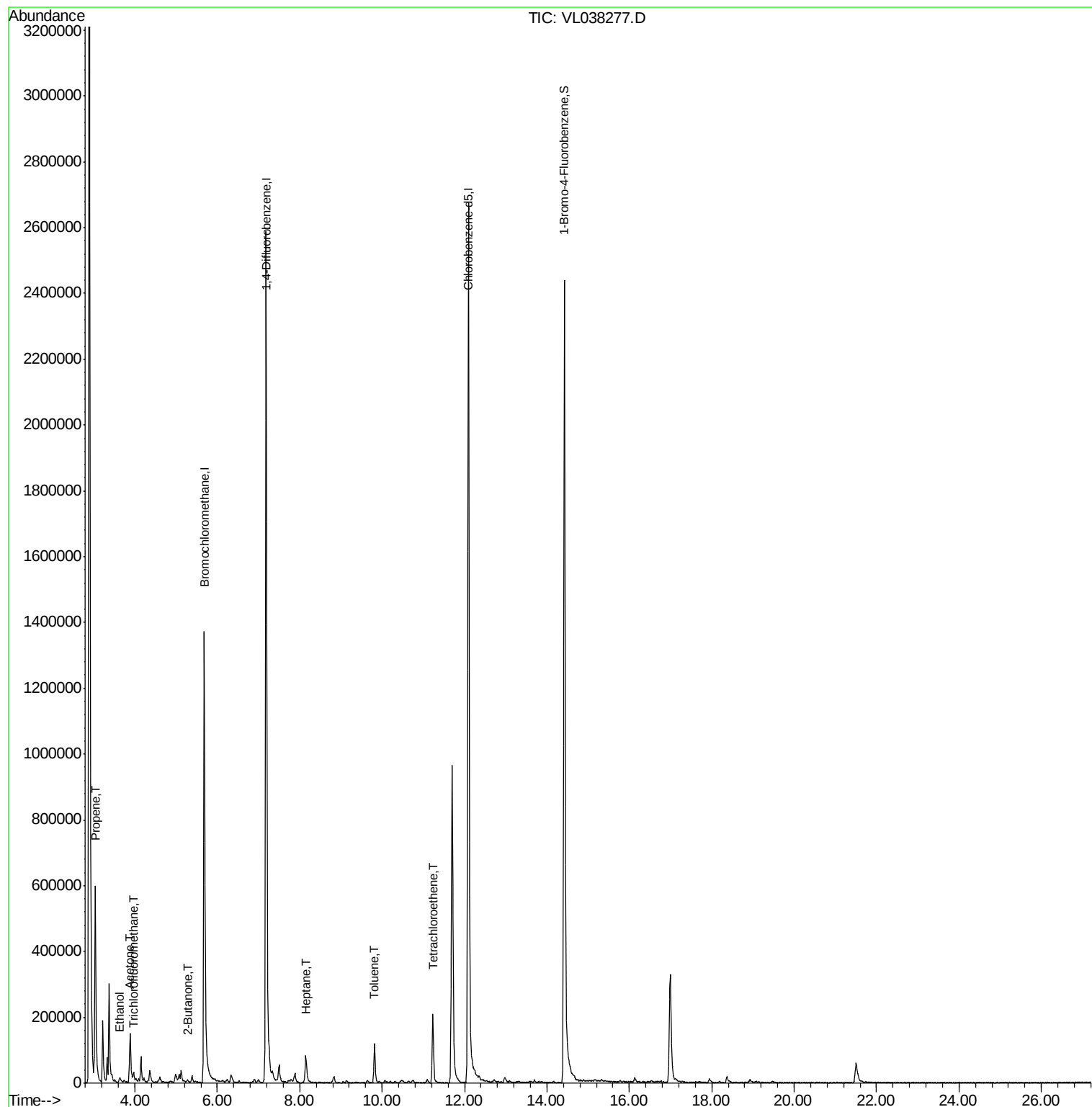
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL012422\  
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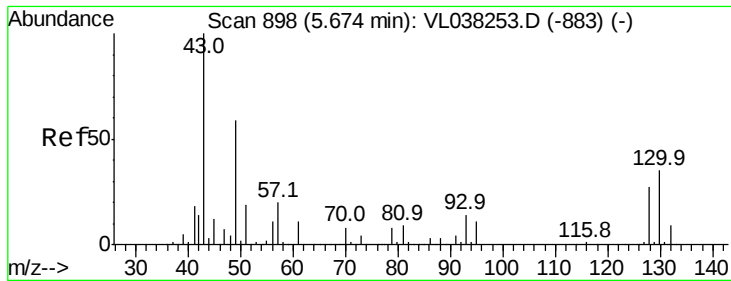
Instrument :  
MSVOA\_L  
ClientSampleId :  
SG-3DL

Quant Time: Jan 25 14:55:04 2022  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL012422.D  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
QLast Update : Mon Jan 24 14:12:48 2022  
Response via : Initial Calibration

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA\_L

Delta R.T. ClientSampleId:

Lab File: SG-3DL

Acq: 25 Jan 2022 2:17

Tot Ion:

Ion Ratio

49 100

128 48.

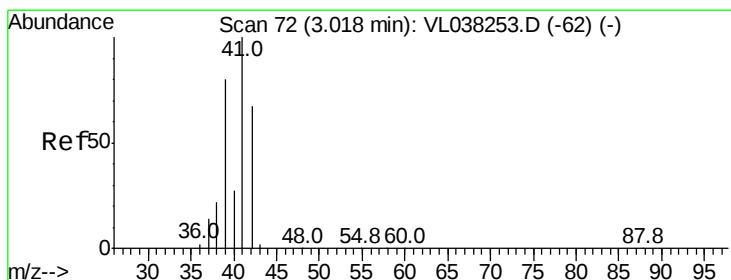
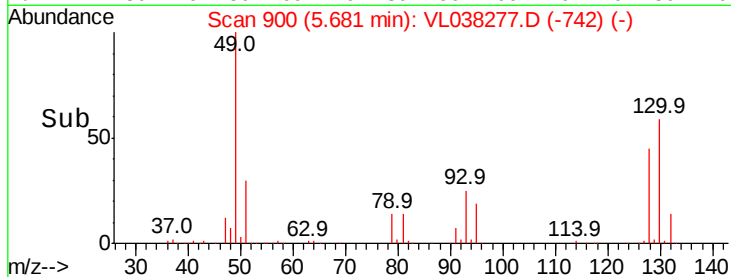
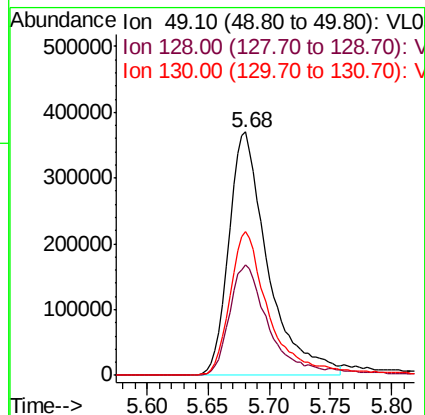
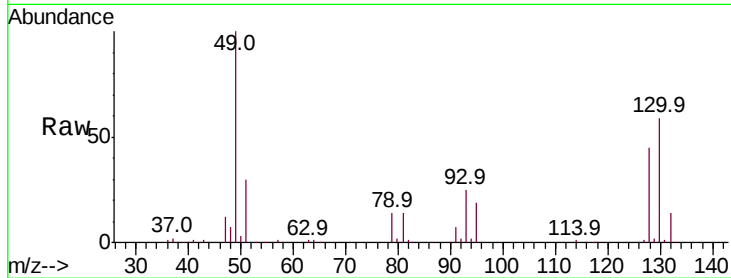
130 61.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/25/2022

Supervised By :Mahesh Dadoda 01/26/2022



#9

Propene

Concen: 4.009 ppbv m

RT: 3.04 min Scan# 78

Delta R.T. 0.02 min

Lab File: VL038277.D

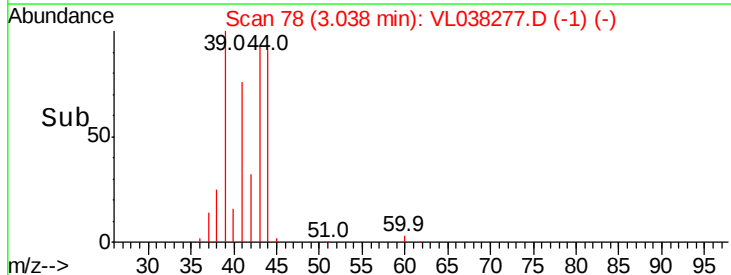
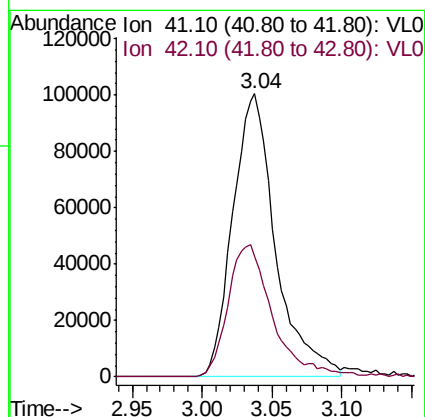
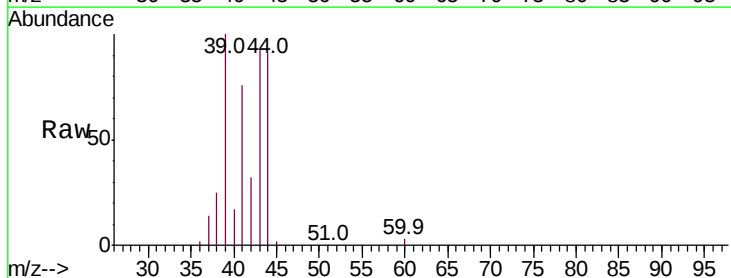
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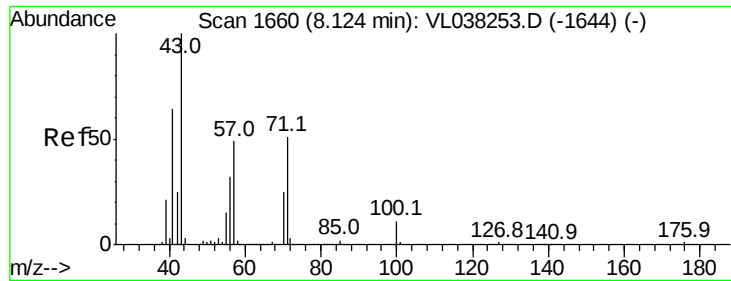
Tgt Ion: 41 Resp: 214694

Ion Ratio Lower Upper

41 100

42 21.8 54.9 82.3#





#10

Heptane

Concen: 0.096 ppbv m

RT: 8.13 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 25 Jan 2022 2:17 SG-3DL

Tot Ion:

Ion Ratio

43 100

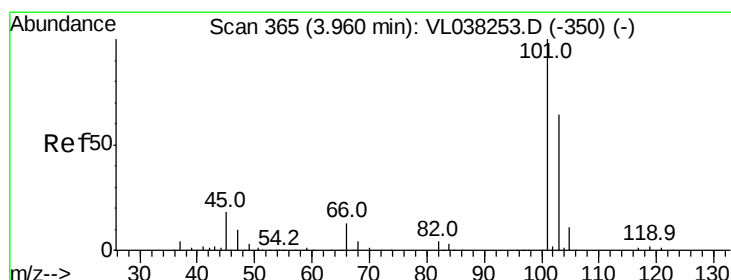
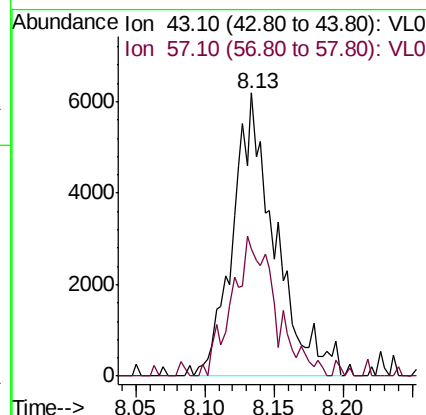
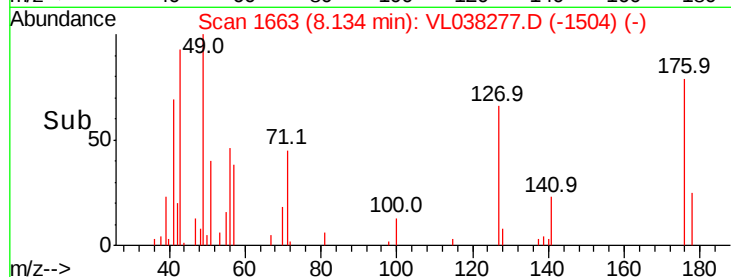
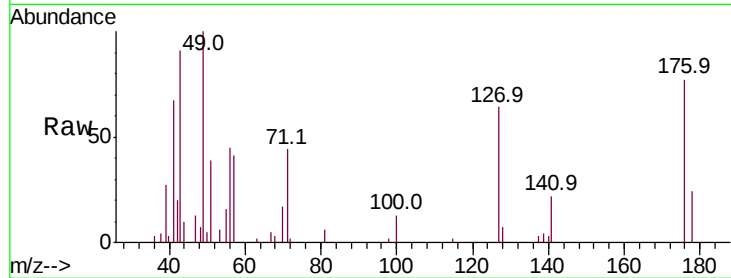
57 0.

Manual Integrations

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Supervised By :Mahesh Dadoda 01/26/2022



#11

Trichlorofluoromethane

Concen: 0.128 ppbv m

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VL038277.D

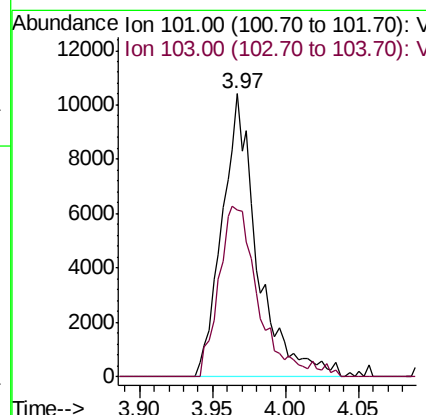
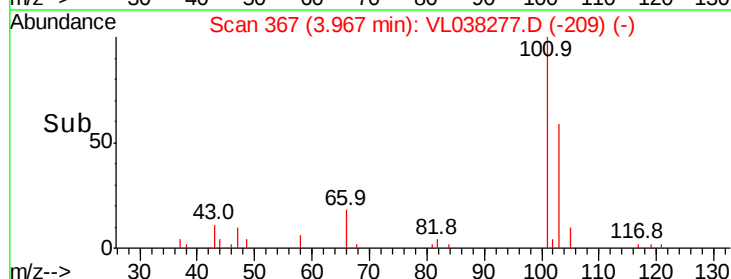
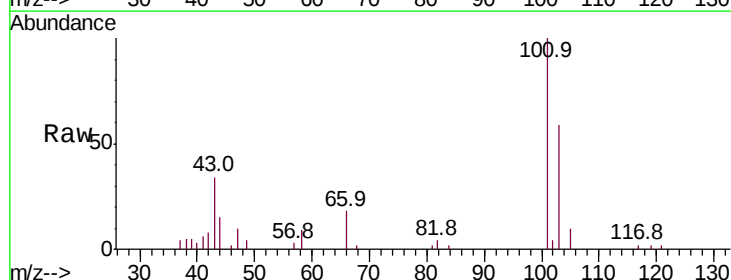
Acq: 25 Jan 2022 2:17

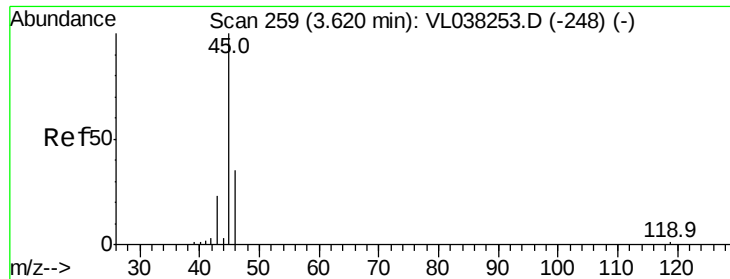
Tgt Ion:101 Resp: 17497

Ion Ratio Lower Upper

101 100

103 59.2 51.2 76.8



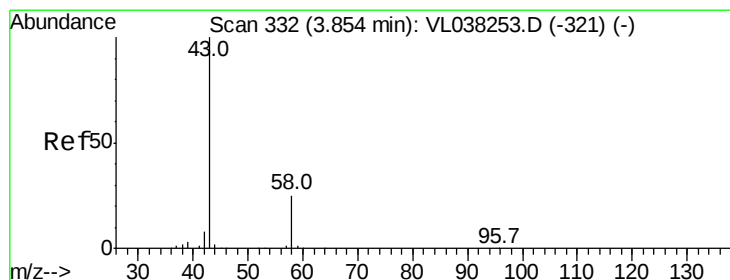
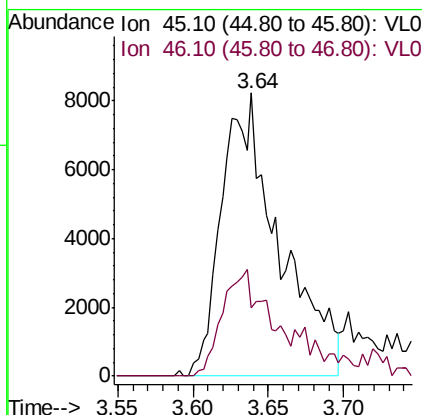
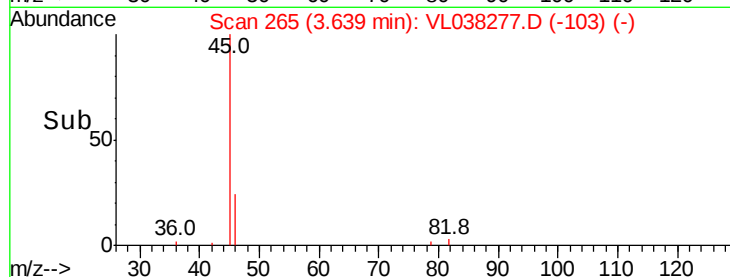
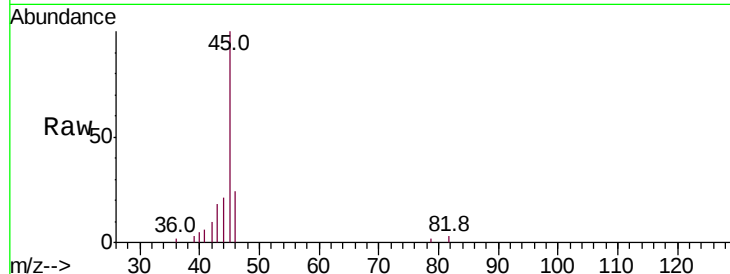


#13  
Ethanol  
Concen: 3.819 ppbv m  
RT: 3.64  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 25 Jan 2022 2:17

Tot Ion:  
Ion Ratio  
45 100  
46 0.

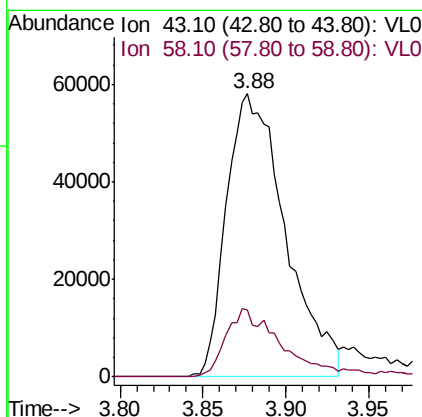
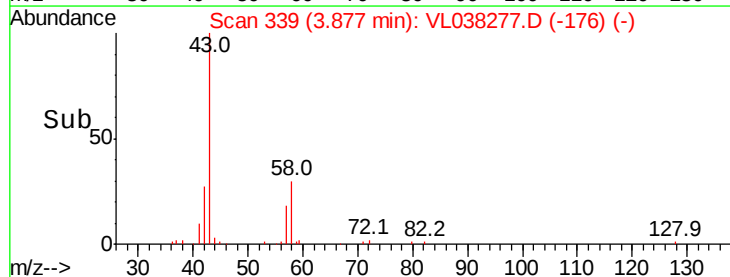
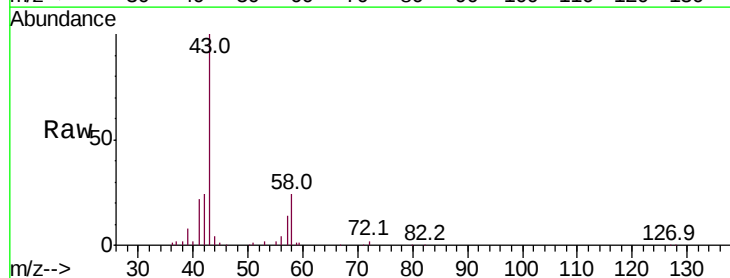
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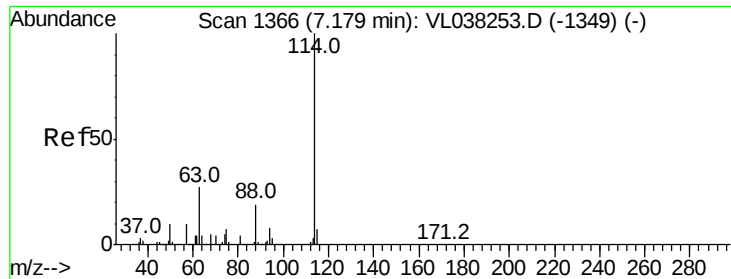
Reviewed By :Semsettin Yesilyurt 01/25/2022  
Supervised By :Mahesh Dadoda 01/26/2022



#15  
Acetone  
Concen: 1.967 ppbv  
RT: 3.88 min Scan# 339  
Delta R.T. 0.02 min  
Lab File: VL038277.D  
Acq: 25 Jan 2022 2:17

Tgt Ion: 43 Resp: 143308  
Ion Ratio Lower Upper  
43 100  
58 24.7 21.5 32.3



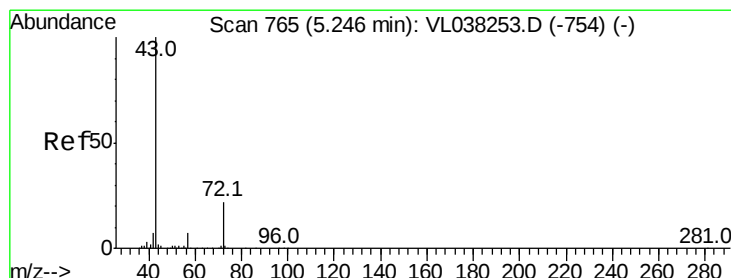
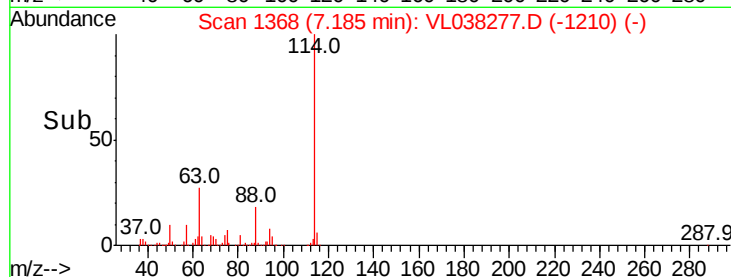
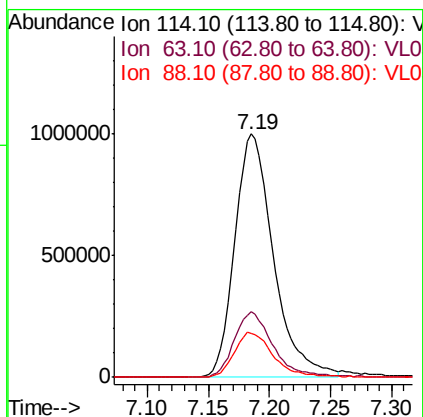
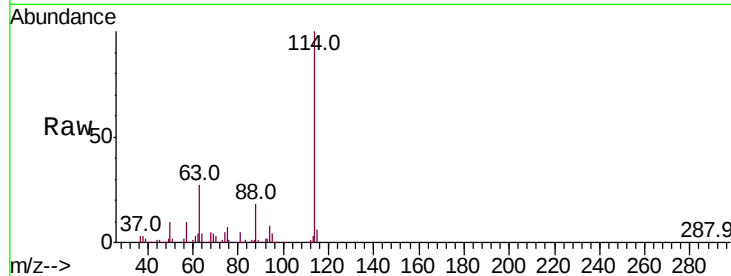


#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.19  
 Instrument : MSVOA\_L  
 Delta R.T.:  
 Lab File: ClientSampleId :  
 Acq: 25 Jan 2022 2:17

Tot Ion:1  
 Ion Rati  
 114 100  
 63 27.  
 88 19.

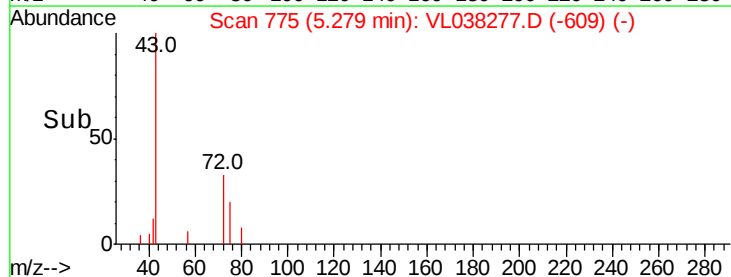
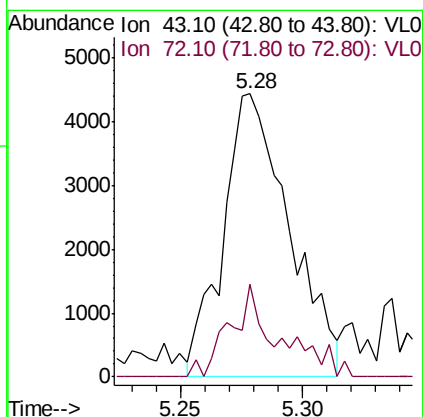
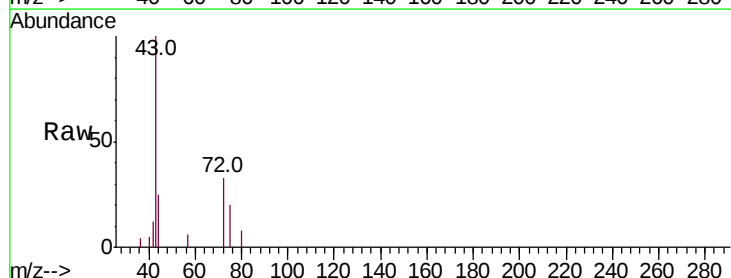
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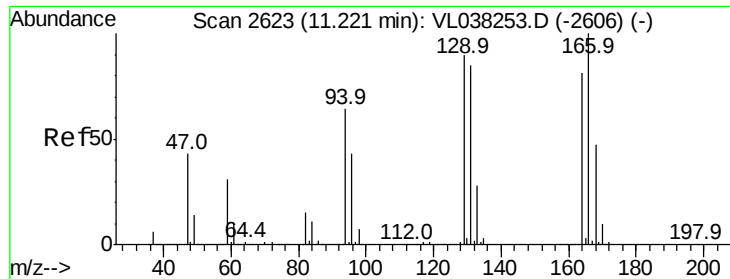
Reviewed By :Semsettin Yesilyurt 01/25/2022  
 Supervised By :Mahesh Dadoda 01/26/2022



#34  
 2-Butanone  
 Concen: 0.116 ppbv m  
 RT: 5.28 min Scan# 775  
 Delta R.T. 0.03 min  
 Lab File: VL038277.D  
 Acq: 25 Jan 2022 2:17

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 43      | 100   | 8380 |       |       |
| 72      | 0.0   | 18.1 | 27.1# |       |





#52

Tetrachloroethene

Concen: 0.798 ppbv

RT: 11.23

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 25 Jan 2022 2:17

Tot Ion:1

Ion Ratio

164 100

166 103.

129 101.

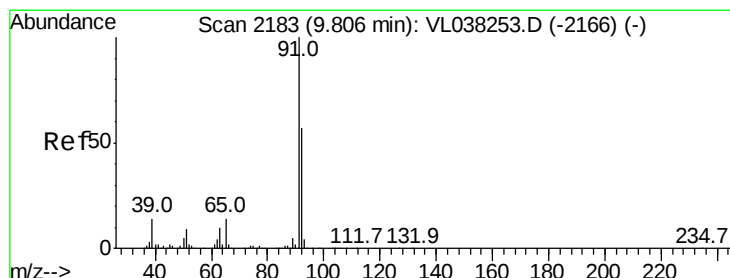
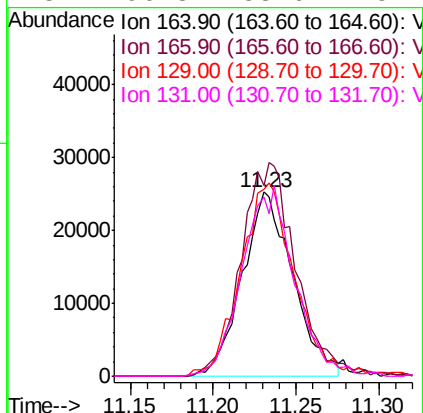
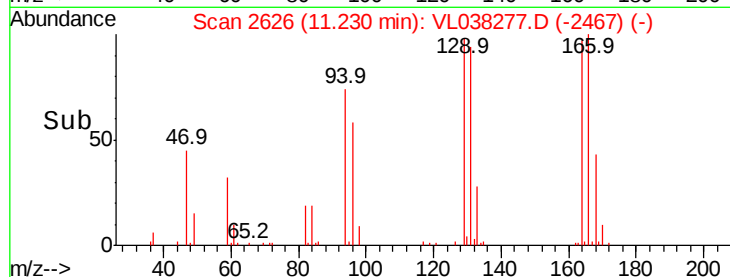
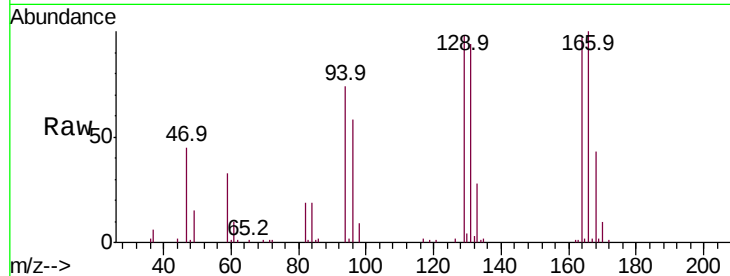
131 96.8 83.6 125.4

Manual Integrations

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Supervised By :Mahesh Dadoda 01/26/2022



#53

Toluene

Concen: 0.442 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.01 min

Lab File: VL038277.D

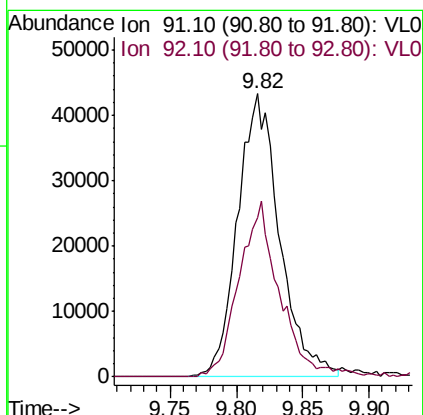
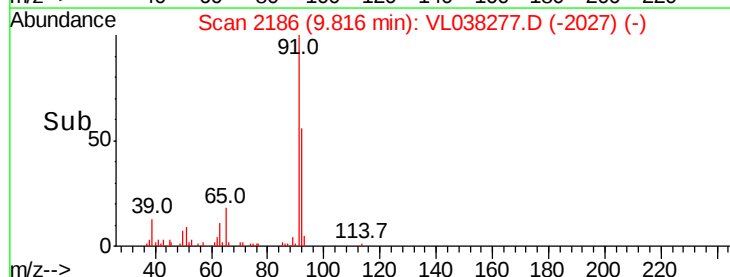
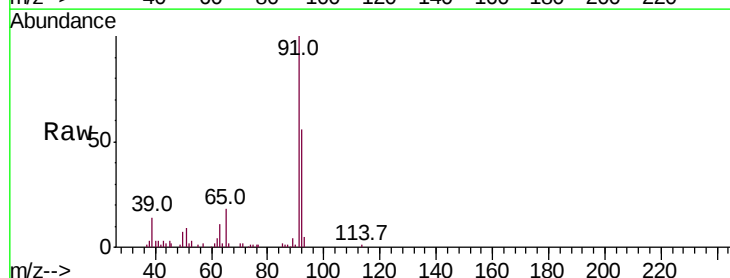
Acq: 25 Jan 2022 2:17

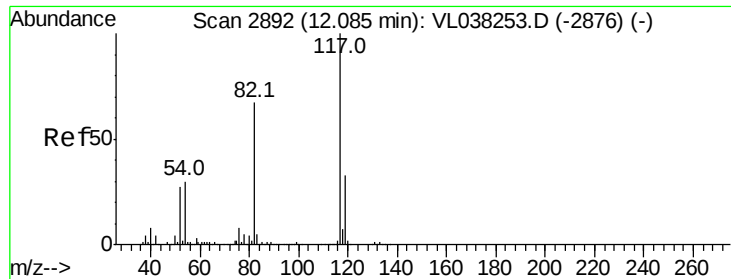
Tgt Ion: 91 Resp: 95272

Ion Ratio Lower Upper

91 100

92 60.4 47.4 71.0



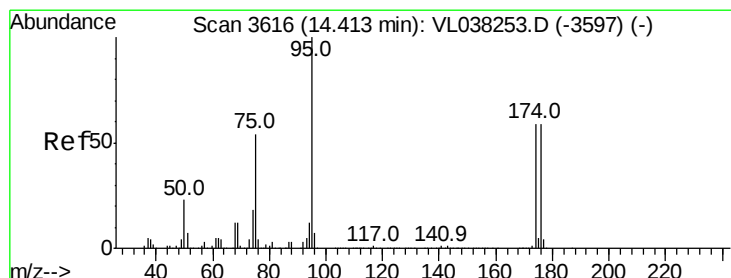
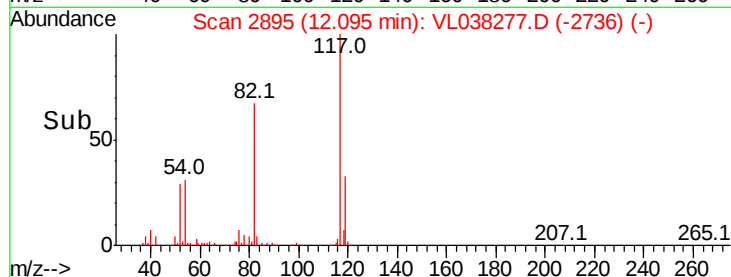
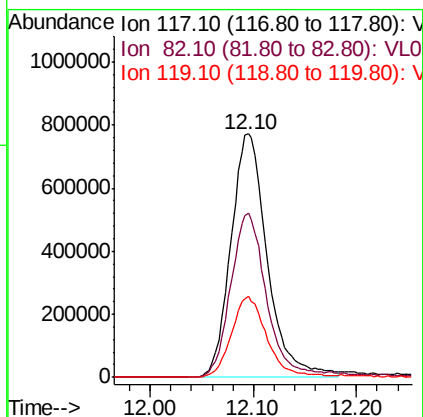
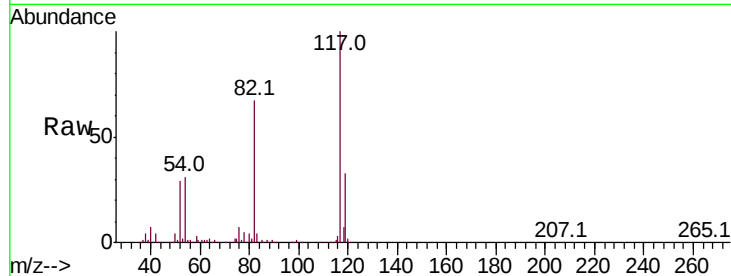


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.10  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
Acq: 25 Jan 2022 2:17

Tot Ion:1  
Ion Rati  
117 100  
82 67.  
119 33.

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 01/25/2022  
Supervised By :Mahesh Dadoda 01/26/2022



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.598 ppbv  
RT: 14.43 min Scan# 3620  
Delta R.T. 0.01 min  
Lab File: VL038277.D  
Acq: 25 Jan 2022 2:17

Tgt Ion: 95 Resp: 1384329  
Ion Ratio Lower Upper  
95 100  
174 61.7 48.3 72.5  
175 4.6 3.5 5.3

