

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL032422\  
 Data File : VL038764.D  
 Acq On : 25 Mar 2022 13:40  
 Operator : SY/AP  
 Sample : N2096-02DL 10X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV-02-(SB-07)DL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2022  
 Supervised By :Mahesh Dadoda 03/28/2022

Quant Time: Mar 26 10:30:36 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL032122A  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument:  
 QLast Update : Mon Mar 21 17:09:26 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.69  | 49   | 919273   | 10.00 | ppbv  | 0.04     |
| 33) 1,4-Difluorobenzene | 7.20  | 114  | 2423668  | 10.00 | ppbv  | 0.04     |
| 55) Chlorobenzene-d5    | 12.11 | 117  | 2097446  | 10.00 | ppbv  | 0.04     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.45  | 95    | 1574585  | 9.79     | ppbv | 0.04   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 97.90% |

| Target Compounds          | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|---------------------------|------|------|----------|-------|--------|--------|
| 9) Propene                | 3.03 | 41   | 119047   | 2.54  | ppbv   | 92     |
| 13) Ethanol               | 3.63 | 45   | 59520m   | 11.51 | ppbv   |        |
| 15) Acetone               | 3.89 | 43   | 58662m   | 0.74  | ppbv   |        |
| 20) Methylene Chloride    | 4.37 | 84   | 212168   | 6.35  | ppbv   | 99     |
| 26) Hexane                | 5.71 | 57   | 194455   | 2.18  | ppbv # | 38     |
| 27) Carbon Disulfide      | 4.58 | 76   | 19966    | 0.23  | ppbv # | 86     |
| 30) Cyclohexane           | 7.16 | 84   | 19011m   | 0.24  | ppbv   |        |
| 32) 1,1,1-Trichloroethane | 6.53 | 97   | 5911m    | 0.04  | ppbv   |        |
| 35) Carbon Tetrachloride  | 7.05 | 117  | 5749m    | 0.04  | ppbv   |        |
| 38) Trichloroethene       | 7.86 | 130  | 4779m    | 0.06  | ppbv   |        |

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

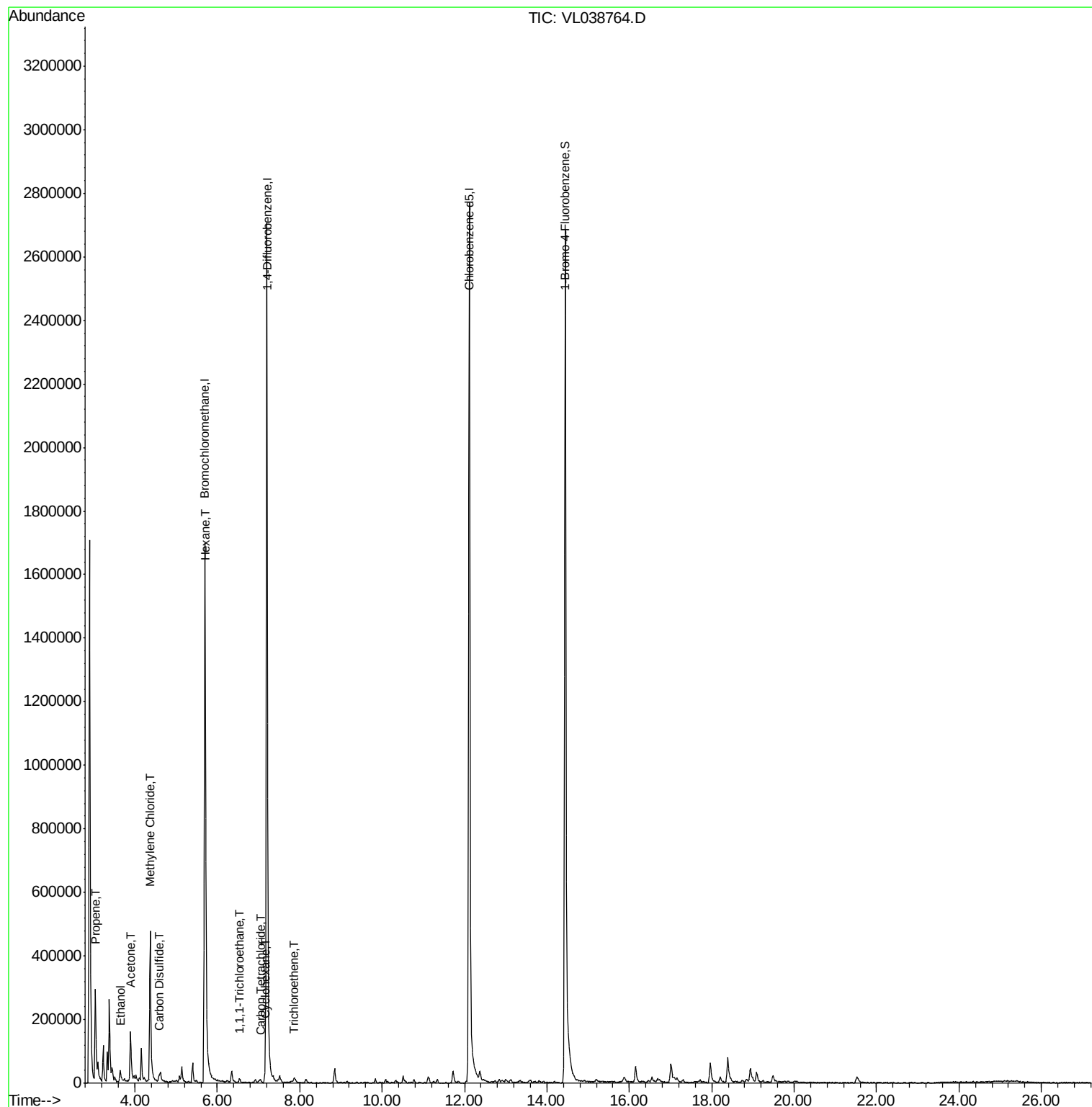
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_L\DATA\VL032422\  
Data File : VL038764.D  
Acq On : 25 Mar 2022 13:40  
Operator : SY/AP  
Sample : N2096-02DL 10X  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

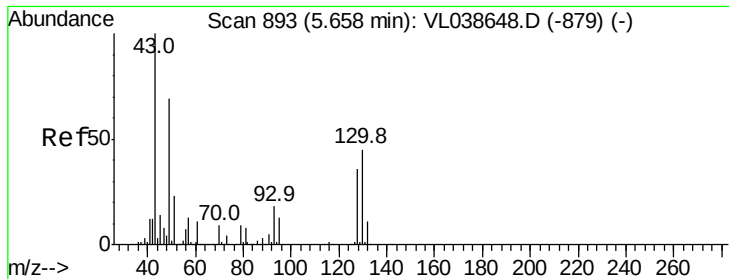
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV-02-(SB-07)DL

Quant Time: Mar 26 10:30:36 2022  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_L\METHODS\VL032122  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
QLast Update : Mon Mar 21 17:09:26 2022  
Response via : Initial Calibration

Manual Integrations  
APPROVED

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Supervised By :Mahesh Dadoda 03/28/2022





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.69 Instrument: MSVOA\_L

Delta R.T. 0.03 min

Lab File: ClientSampleId: SV-02-(SB-07)DL

Acq: 25 Mar 2022 13:40

Tgt Ion:

Ion Ratio

49 100

128 55.

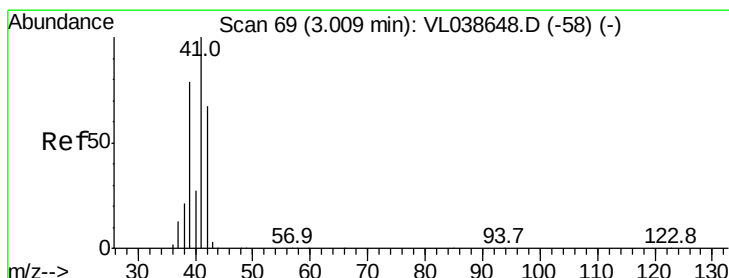
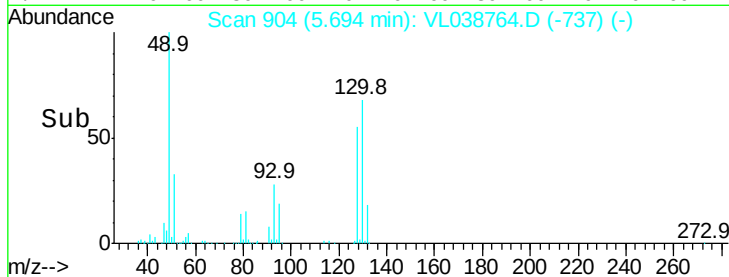
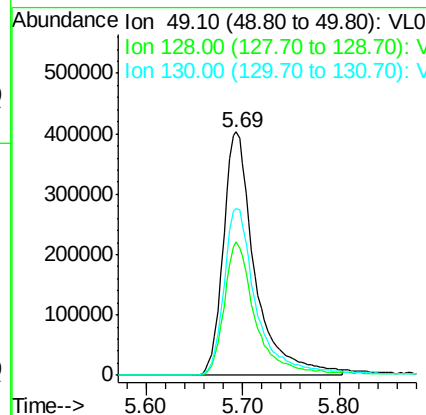
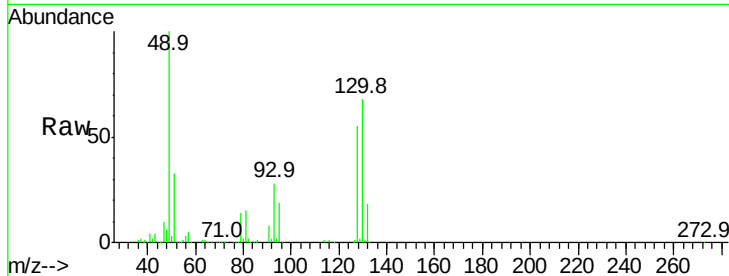
130 72.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#9

Propene

Concen: 2.54 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.03 min

Lab File: VL038764.D

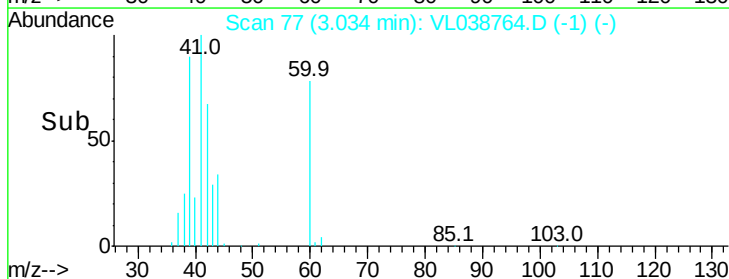
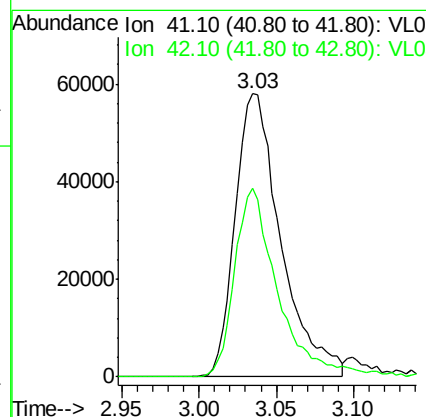
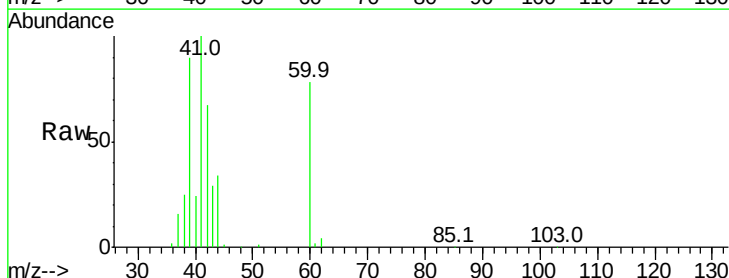
Acq: 25 Mar 2022 13:40

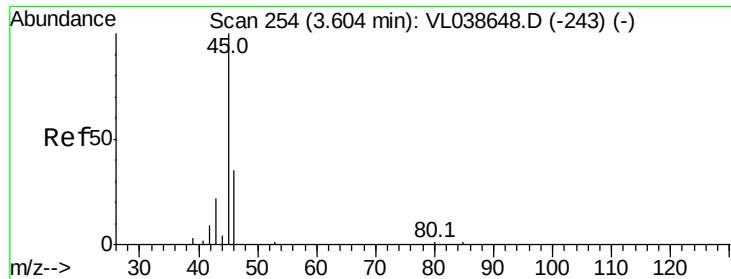
Tgt Ion: 41 Resp: 119047

Ion Ratio Lower Upper

41 100

42 63.4 56.2 84.4



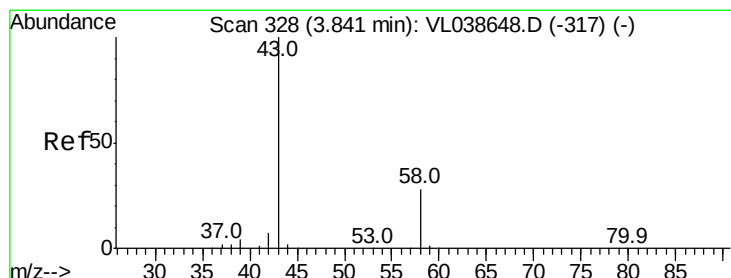
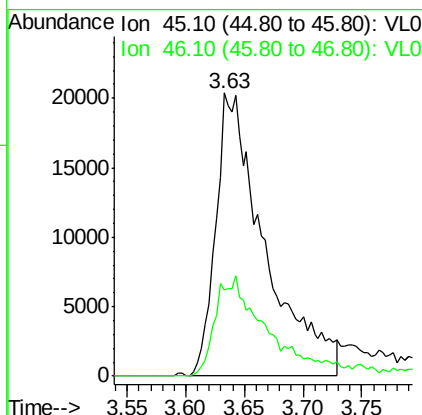
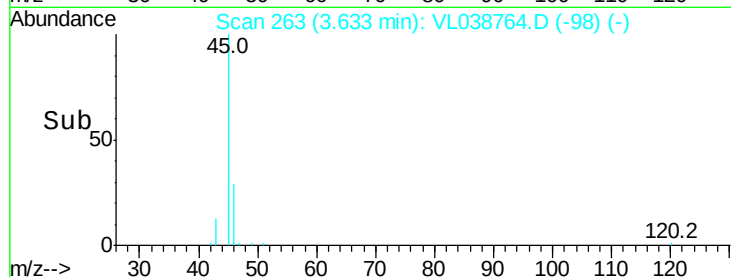
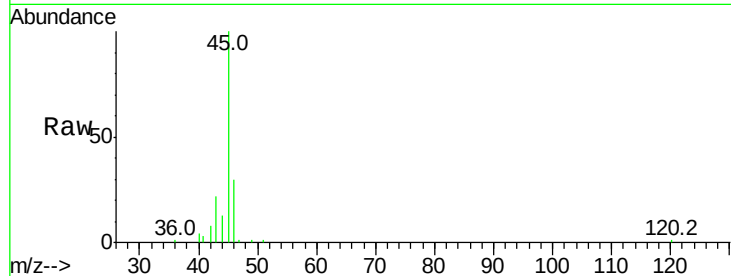


#13  
Ethanol  
Concen: 11.51 ppbv m  
RT: 3.63  
Instrument: MSVOA\_L  
Delta R.T.  
Lab File: ClientSampleId :  
SV-02-(SB-07)DL  
Acq: 25 Mar 2022 13:40

Tgt Ion:  
Ion Ratio  
45 100  
46 0.

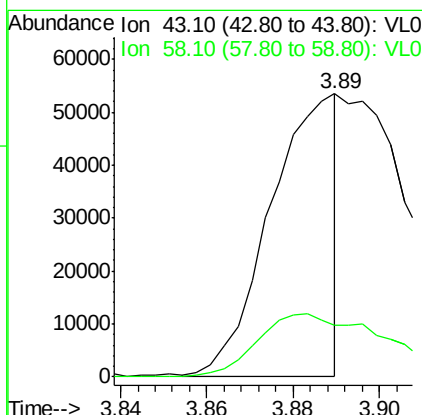
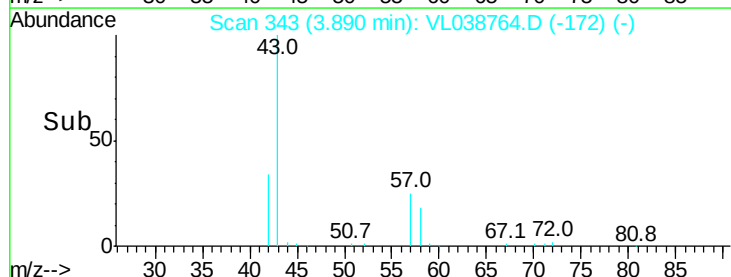
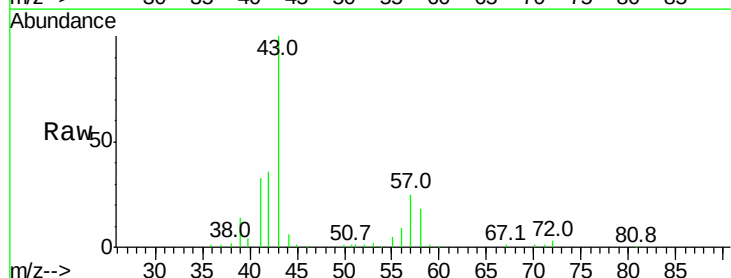
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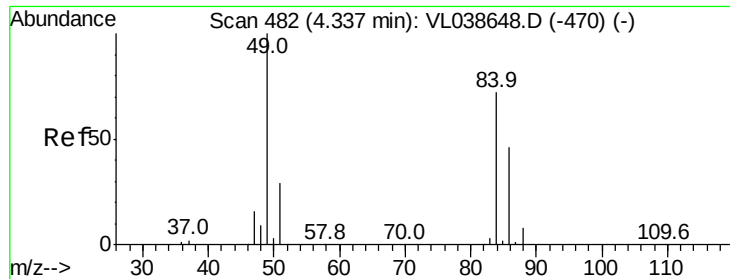
Reviewed By :Semsettin Yesilyurt 03/26/2022  
Supervised By :Mahesh Dadoda 03/28/2022



#15  
Acetone  
Concen: 0.74 ppbv m  
RT: 3.89 min Scan# 343  
Delta R.T. 0.05 min  
Lab File: VL038764.D  
Acq: 25 Mar 2022 13:40

Tgt Ion: 43 Resp: 58662  
Ion Ratio Lower Upper  
43 100  
58 49.8 23.3 34.9#



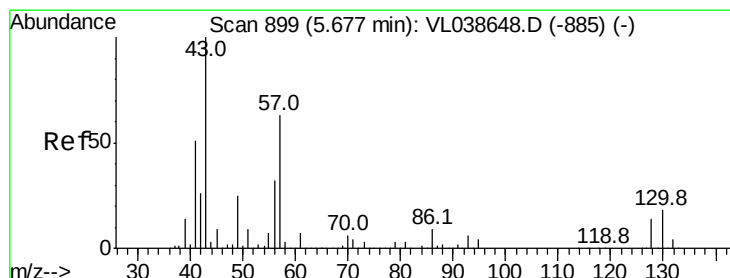
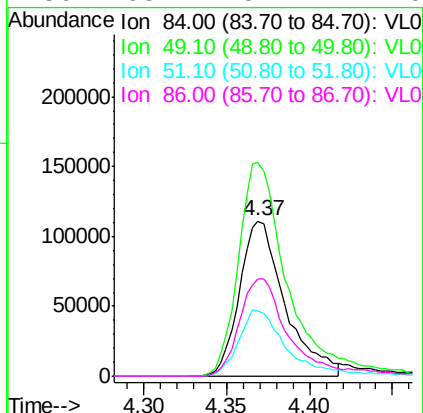
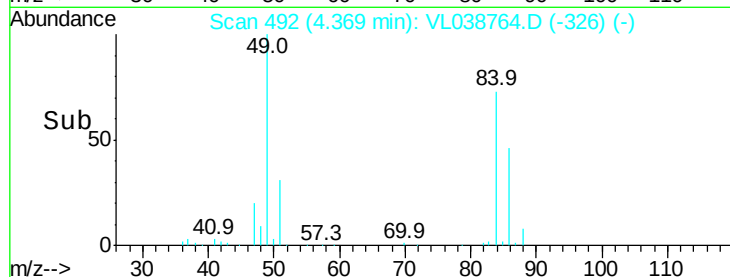
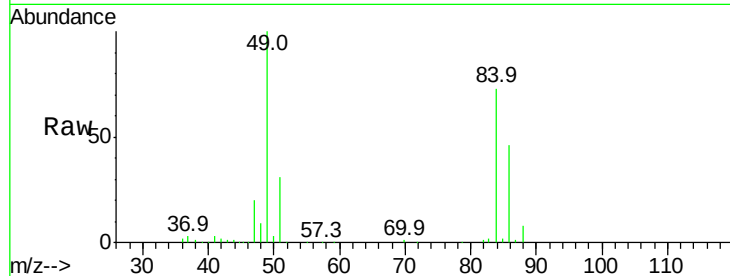


#20  
Methylene Chloride  
Concen: 6.35 ppbv  
RT: 4.37  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
SV-02-(SB-07)DL  
Acq: 25 Mar 2022 13:40

Tgt Ion: 84.00 (83.70 to 84.70): VL0  
Ion Ratio 100  
84 100  
49 137.  
51 42.  
86 63.1 51.4 77.0

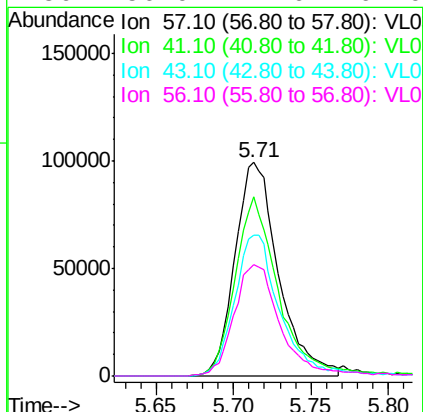
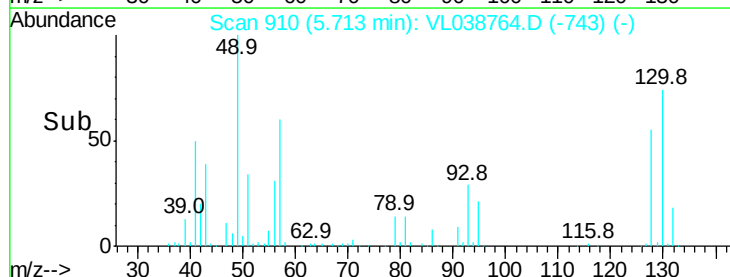
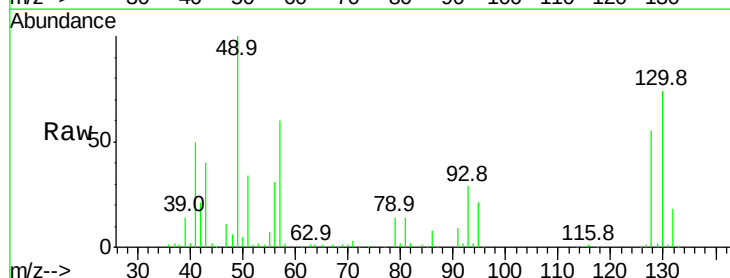
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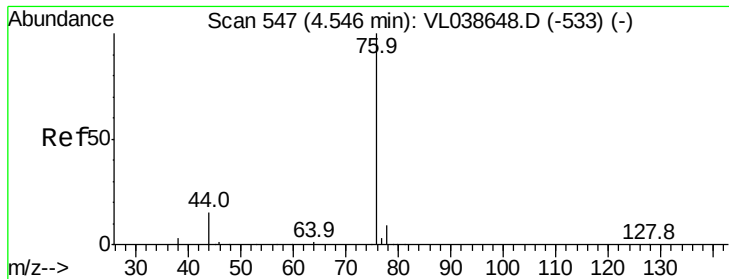
Reviewed By :Semsettin Yesilyurt 03/26/2022  
Supervised By :Mahesh Dadoda 03/28/2022



#26  
Hexane  
Concen: 2.18 ppbv  
RT: 5.71 min Scan# 910  
Delta R.T. 0.04 min  
Lab File: VL038764.D  
Acq: 25 Mar 2022 13:40

Tgt Ion: 57 Resp: 194455  
Ion Ratio Lower Upper  
57 100  
41 85.4 67.0 100.4  
43 69.0 184.2 276.2#  
56 56.0 42.6 64.0



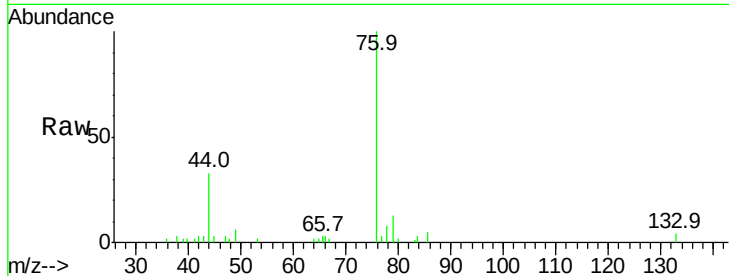


#27  
Carbon Disulfide  
Concen: 0.23 ppbv  
RT: 4.58  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId :  
SV-02-(SB-07)DL  
Acq: 25 Mar 2022 13:40

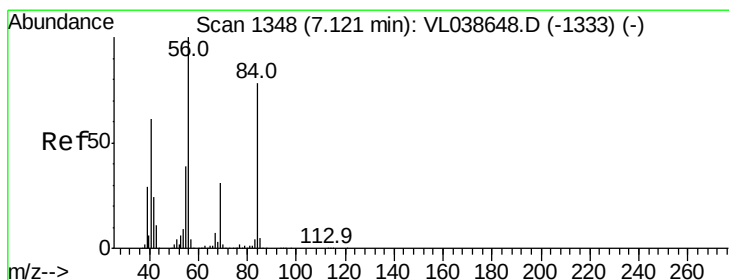
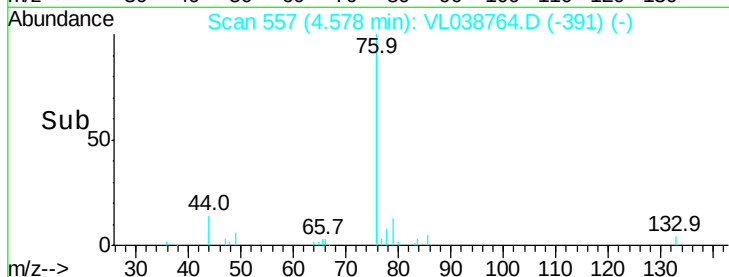
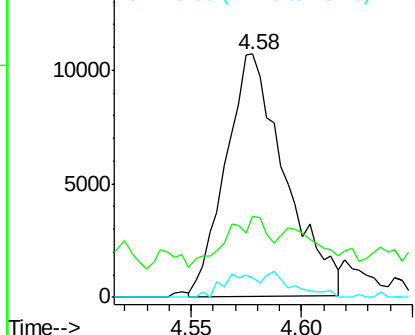
Tgt Ion:  
Ion Ratio  
76 100  
44 24.  
78 10.

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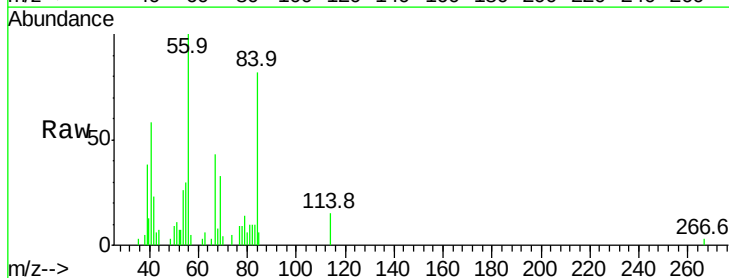


Abundance Ion 76.00 (75.70 to 76.70): VL0  
Ion 44.10 (43.80 to 44.80): VL0  
Ion 78.00 (77.70 to 78.70): VL0

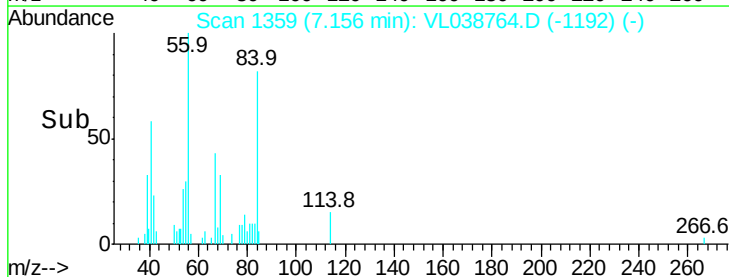
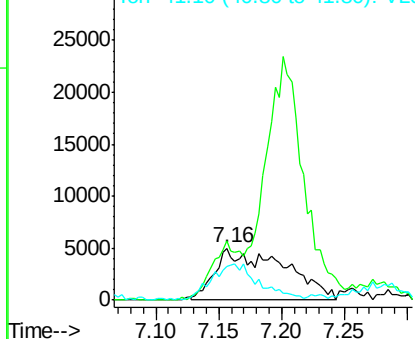


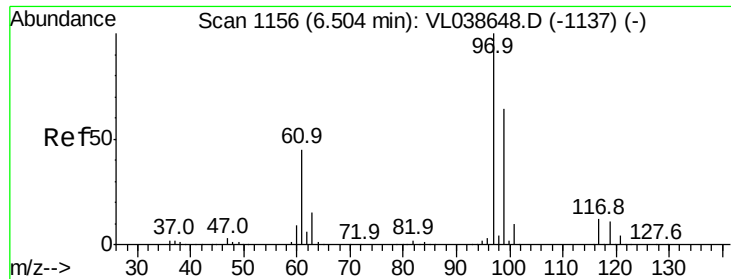
#30  
Cyclohexane  
Concen: 0.24 ppbv m  
RT: 7.16 min Scan# 1359  
Delta R.T. 0.04 min  
Lab File: VL038764.D  
Acq: 25 Mar 2022 13:40

Tgt Ion: 84 Resp: 19011  
Ion Ratio Lower Upper  
84 100  
56 0.0 108.2 162.4#  
41 49.3 61.8 92.6#



Abundance Ion 84.20 (83.90 to 84.90): VL0  
Ion 56.10 (55.80 to 56.80): VL0  
Ion 41.10 (40.80 to 41.80): VL0





#32

1,1,1-Trichloroethane

Concen: 0.04 ppbv m

RT: 6.53 Instrument:

Delta R.T. MSVOA\_L

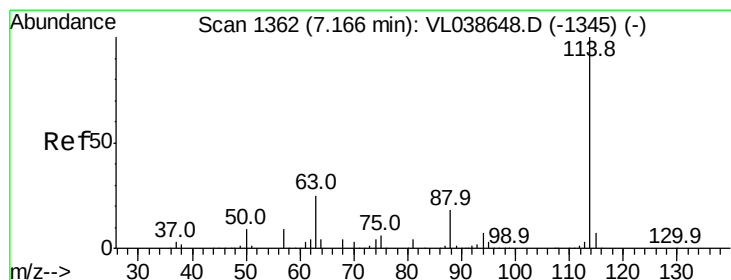
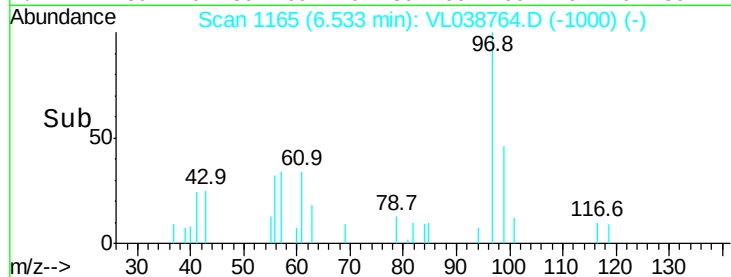
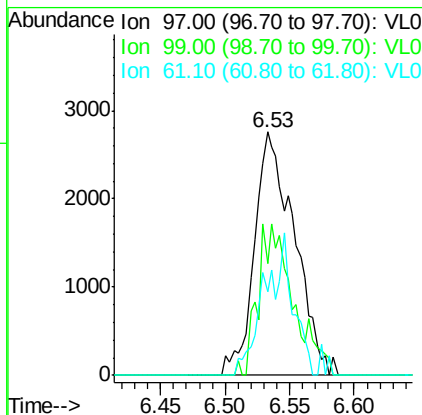
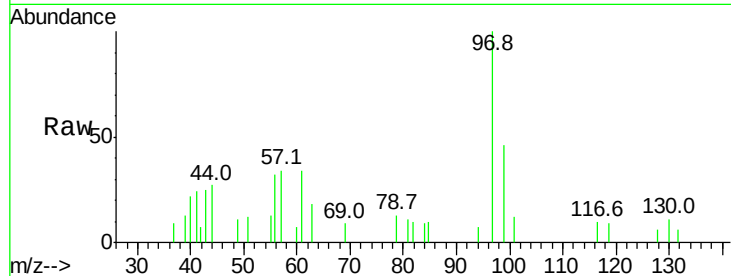
Lab File: ClientSampleId:

Acq: 25 Mar 2022 13:40 SV-02-(SB-07)DL

Tgt Ion:  
Ion Ratio  
97 100  
99 0.  
61 43.

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Supervised By :Mahesh Dadoda 03/28/2022



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

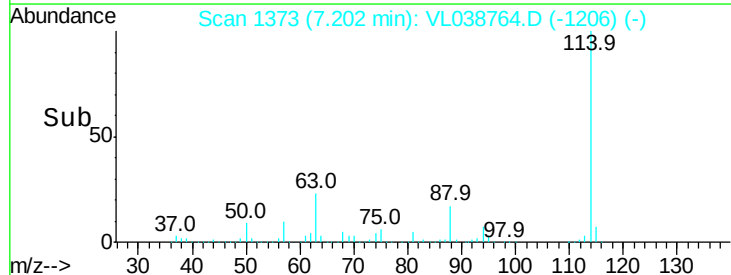
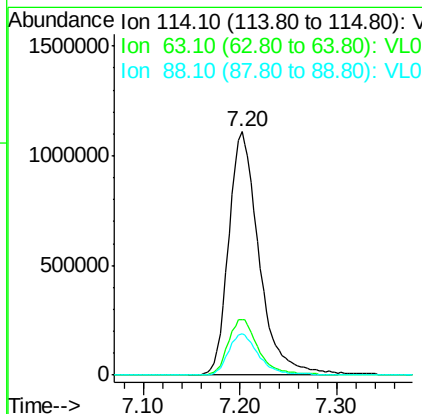
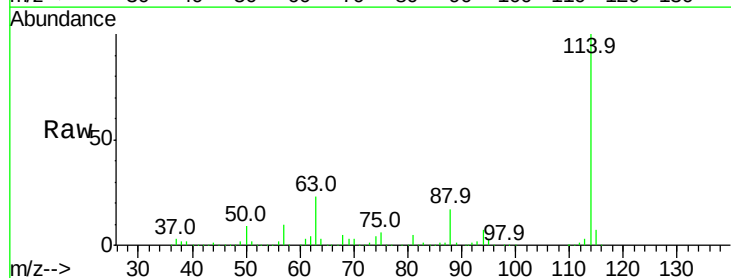
RT: 7.20 min Scan# 1373

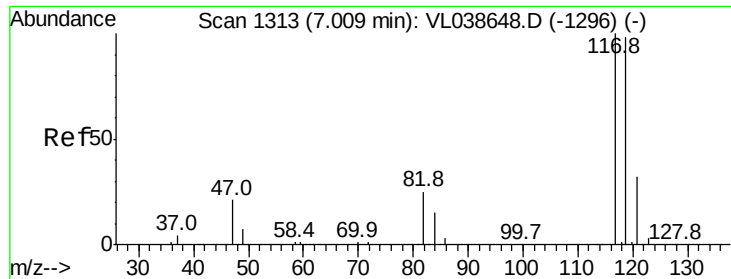
Delta R.T. 0.04 min

Lab File: VL038764.D

Acq: 25 Mar 2022 13:40

Tgt Ion:114 Resp: 2423668  
Ion Ratio Lower Upper  
114 100  
63 23.3 19.4 29.0  
88 17.3 13.9 20.9





#35

Carbon Tetrachloride

Concen: 0.04 ppbv m

RT: 7.05 Instrument:

Delta R.T. MSVOA\_L

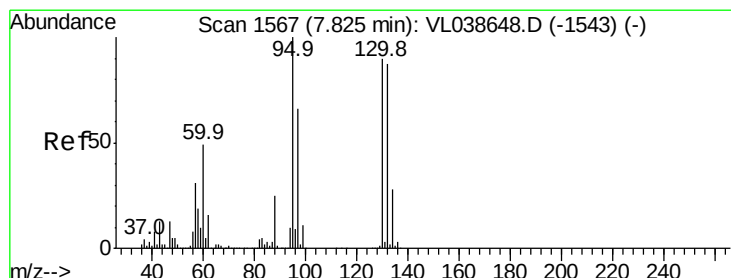
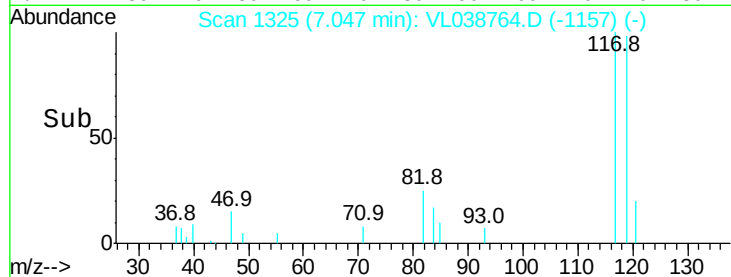
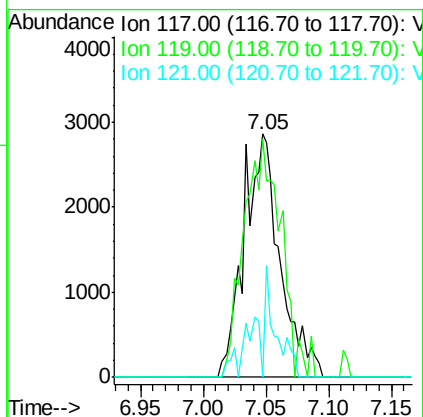
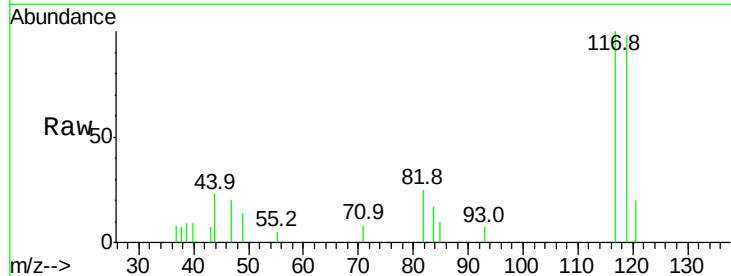
Lab File: ClientSampleId:

Acq: 25 Mar 2022 13:40 SV-02-(SB-07)DL

Tgt Ion:1  
Ion Rati  
117 100  
119 98.  
121 0.

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Reviewed By :Semsettin Yesilyurt 03/26/2022  
Supervised By :Mahesh Dadoda 03/28/2022



#38

Trichloroethene

Concen: 0.06 ppbv m

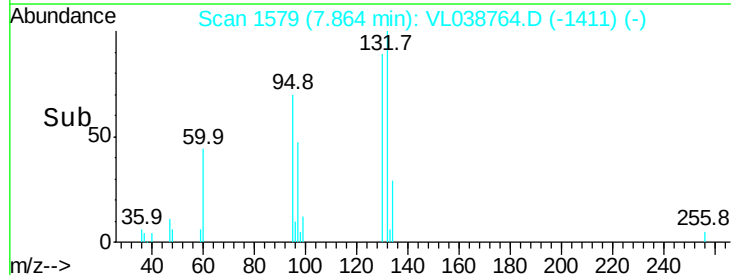
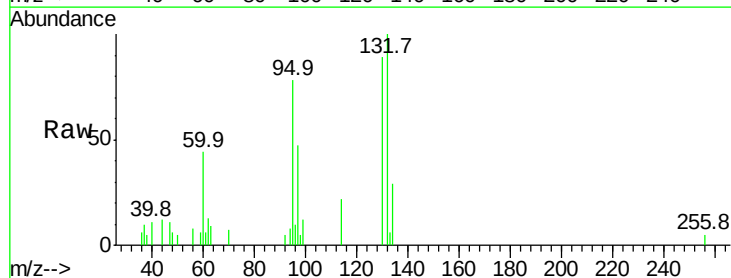
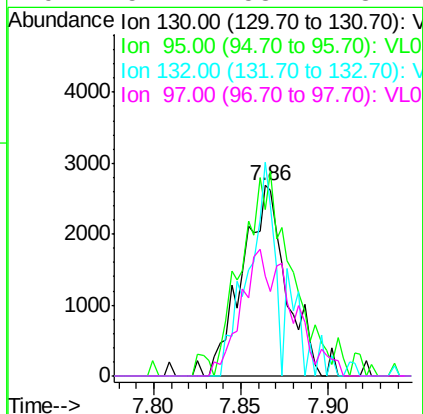
RT: 7.86 min Scan# 1579

Delta R.T. 0.04 min

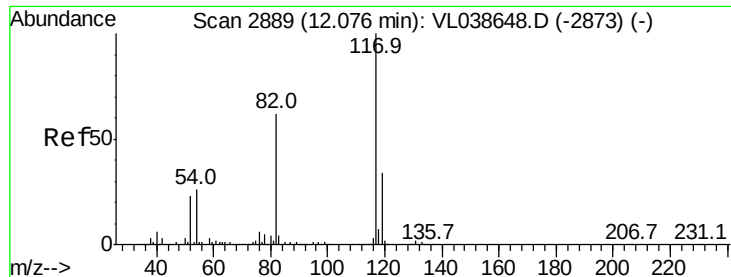
Lab File: VL038764.D

Acq: 25 Mar 2022 13:40

Tgt Ion:130 Resp: 4779  
Ion Ratio Lower Upper  
130 100  
95 87.5 88.9 133.3#  
132 112.0 77.4 116.0  
97 52.1 58.2 87.4#





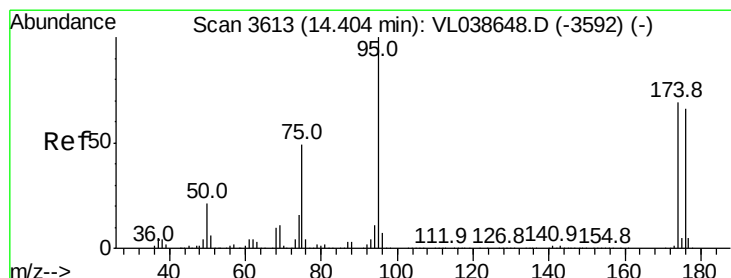
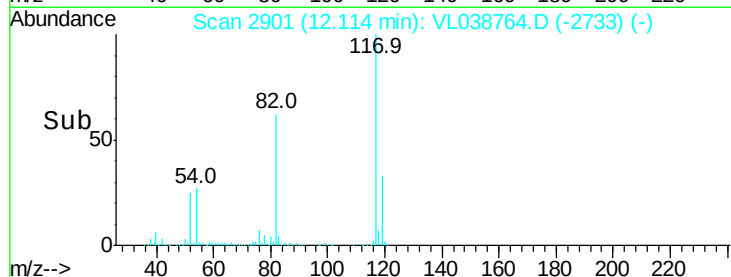
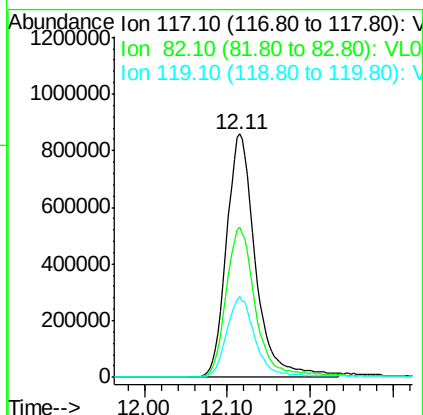
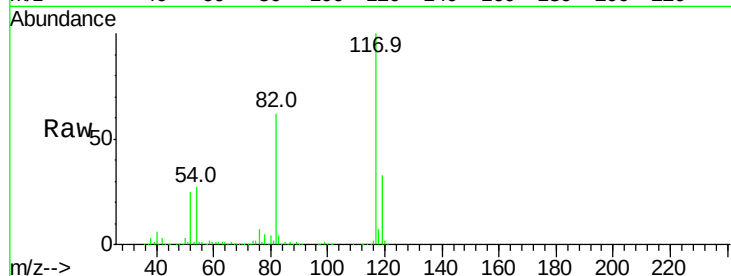


#55  
Chlorobenzene-d5  
Concen: 10.00 ppbv  
RT: 12.11 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
SV-02-(SB-07)DL  
Acq: 25 Mar 2022 13:40

Tgt Ion: 117.10  
Ion Ratio: 100  
117 100  
82 63.1  
119 33.1

Manual Integrations  
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Supervised By :Mahesh Dadoda 03/28/2022



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.79 ppbv  
RT: 14.45 min Scan# 3626  
Delta R.T.: 0.04 min  
Lab File: VL038764.D  
Acq: 25 Mar 2022 13:40

Tgt Ion: 95 Resp: 1574585  
Ion Ratio Lower Upper  
95 100  
174 70.6 56.1 84.1  
175 5.1 4.2 6.2

