

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030222\  
 Data File : VL038491.D  
 Acq On : 2 Mar 2022 21:01  
 Operator : SY/AP  
 Sample : N1724-03DL 40X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV-3DL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022  
 Supervised By :Mahesh Dadoda 03/07/2022

Quant Time: Mar 02 23:58:06 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222A  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
 QLast Update : Tue Feb 22 19:45:51 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 885670   | 10.00 | ppbv  | 0.02     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 2327448  | 10.00 | ppbv  | 0.03     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 2102336  | 10.00 | ppbv  | 0.03     |

## System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 1747457  | 10.05    | ppbv | 0.03    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.50% |

## Target Compounds

|                          | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------|-------|------|----------|-------|--------|--------|
| 9) Propene               | 3.03  | 41   | 390723m  | 7.567 | ppbv   |        |
| 10) Heptane              | 8.13  | 43   | 30479m   | 0.242 | ppbv   |        |
| 13) Ethanol              | 3.63  | 45   | 14307m   | 2.776 | ppbv   |        |
| 15) Acetone              | 3.88  | 43   | 258274   | 3.429 | ppbv # | 66     |
| 20) Methylene Chloride   | 4.35  | 84   | 12244m   | 0.328 | ppbv   |        |
| 26) Hexane               | 5.69  | 57   | 158436   | 1.729 | ppbv # | 44     |
| 35) Carbon Tetrachloride | 7.01  | 117  | 10872m   | 0.066 | ppbv   |        |
| 52) Tetrachloroethene    | 11.22 | 164  | 8870m    | 0.130 | ppbv   |        |
| 59) m/p-Xylene           | 12.96 | 91   | 31373m   | 0.127 | ppbv   |        |

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

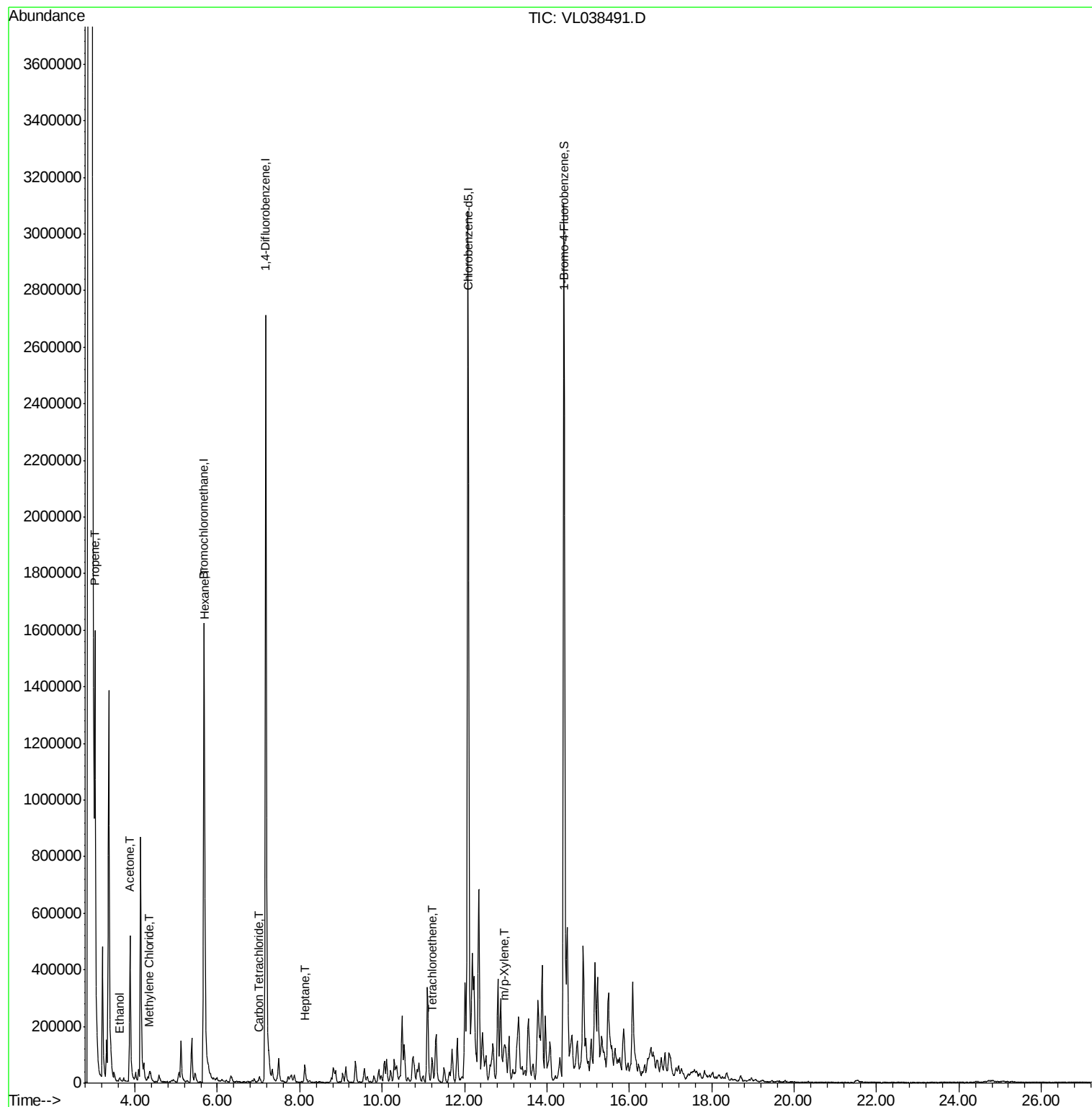
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030222\  
Data File : VL038491.D  
Acq On : 2 Mar 2022 21:01  
Operator : SY/AP  
Sample : N1724-03DL 40X  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

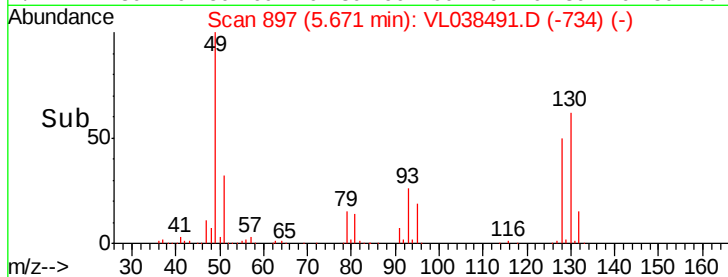
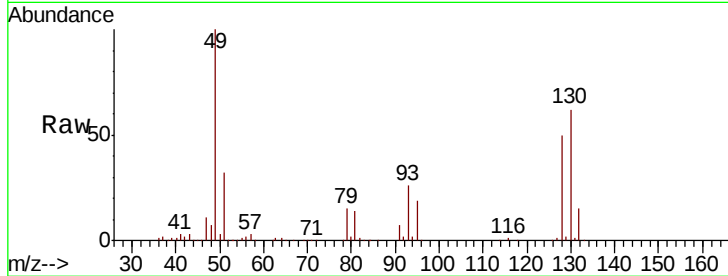
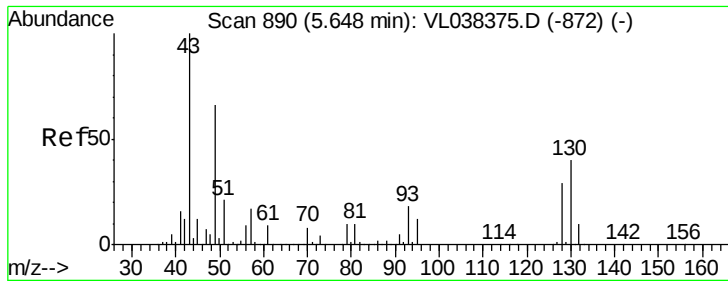
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV-3DL

Quant Time: Mar 02 23:58:06 2022  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022222\  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
QLast Update : Tue Feb 22 19:45:51 2022  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022  
Supervised By :Mahesh Dadoda 03/07/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 21:01

Tot Ion:

Ion Ratio

49 100

128 50.

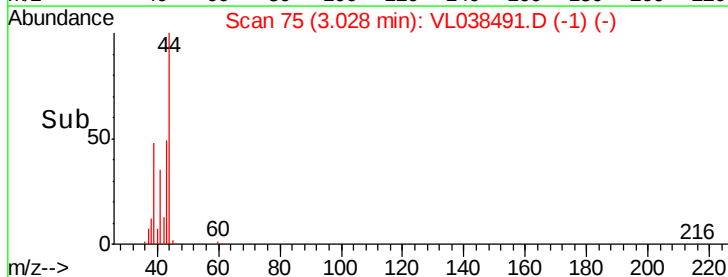
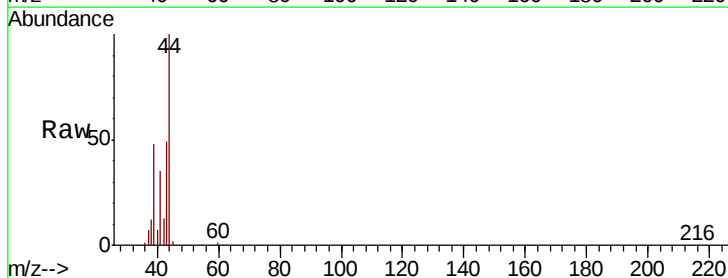
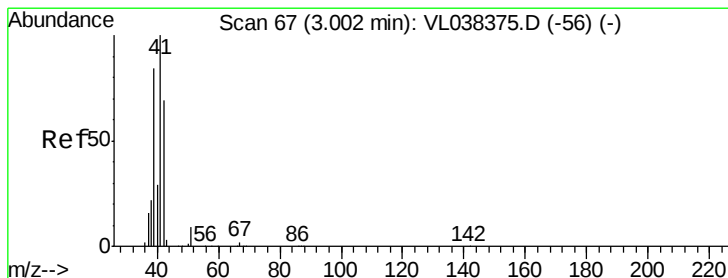
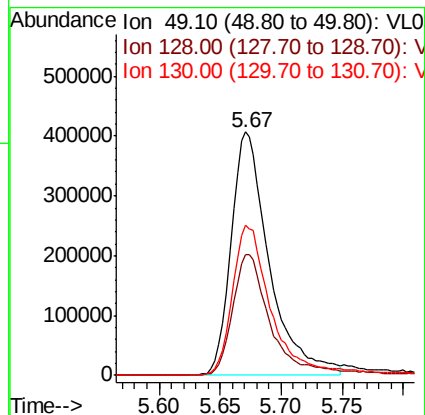
130 64.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#9

Propene

Concen: 7.567 ppbv m

RT: 3.03 min Scan# 75

Delta R.T. 0.03 min

Lab File: VL038491.D

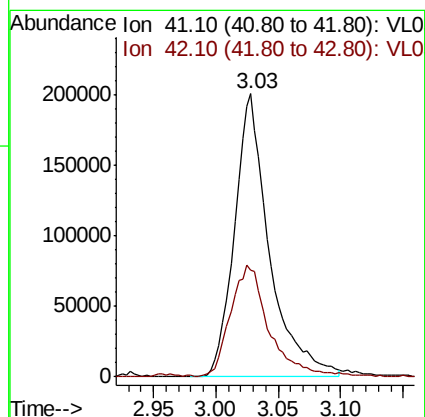
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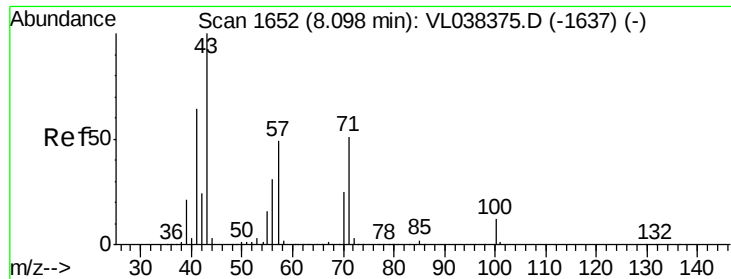
Tgt Ion: 41 Resp: 390723

Ion Ratio Lower Upper

41 100

42 28.9 54.6 82.0#



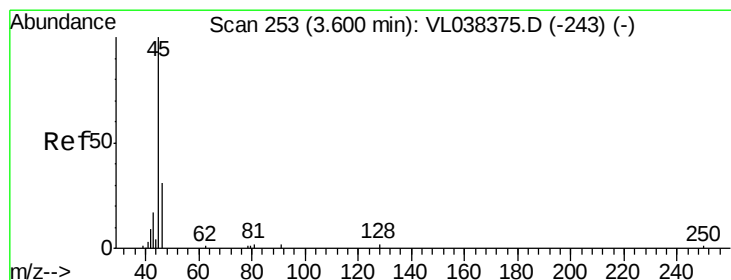
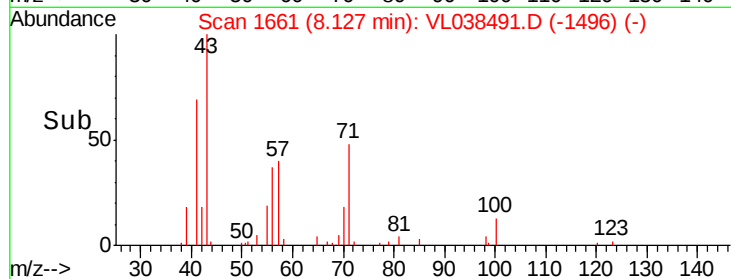
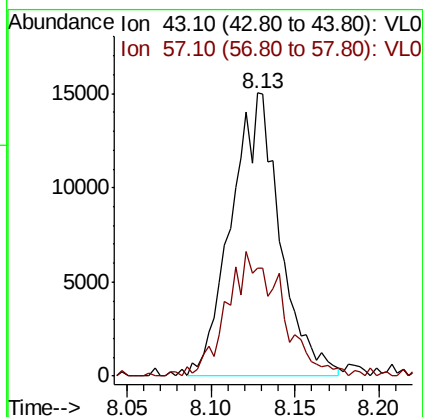
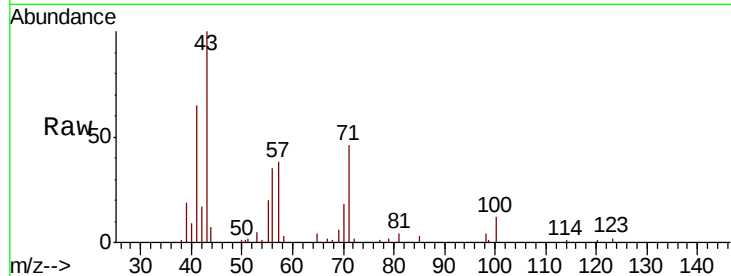


#10  
Heptane  
Concen: 0.242 ppbv m  
RT: 8.13  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
SV-3DL  
Acq: 2 Mar 2022 21:01

Tot Ion:  
Ion Ratio  
43 100  
57 0.

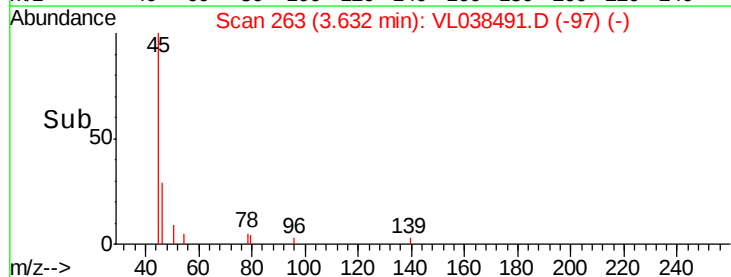
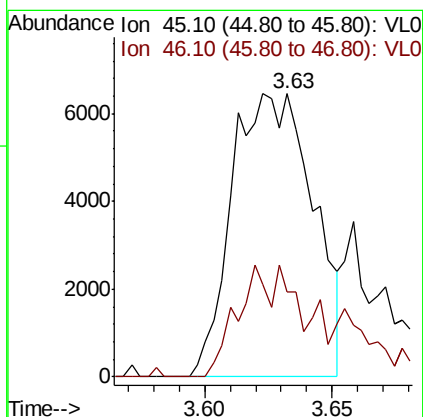
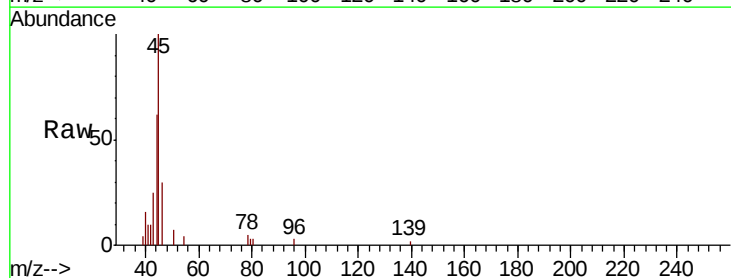
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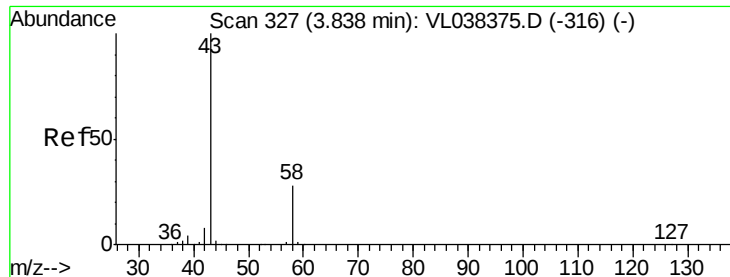
Reviewed By :Semsettin Yesilyurt 03/03/2022  
Supervised By :Mahesh Dadoda 03/07/2022



#13  
Ethanol  
Concen: 2.776 ppbv m  
RT: 3.63 min Scan# 263  
Delta R.T. 0.03 min  
Lab File: VL038491.D  
Acq: 2 Mar 2022 21:01

Tgt Ion: 45 Resp: 14307  
Ion Ratio Lower Upper  
45 100  
46 0.0 18.2 72.8#



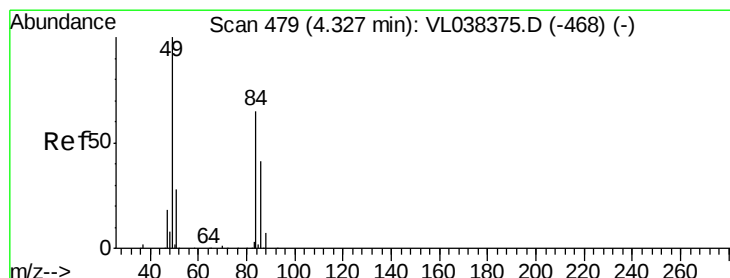
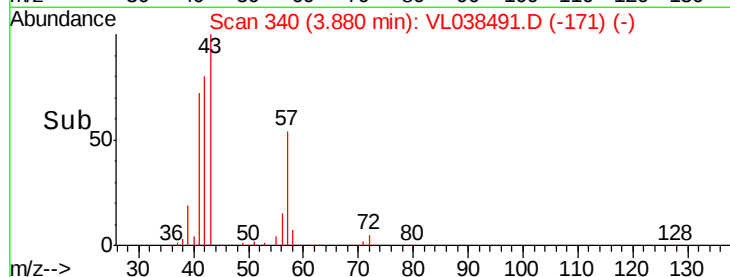
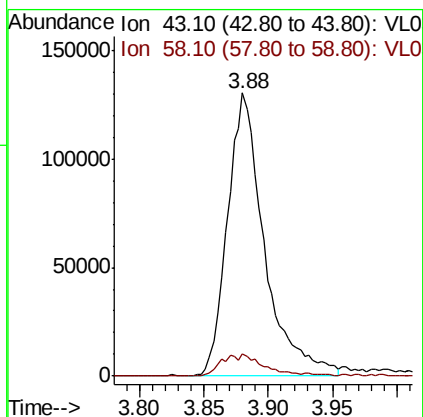
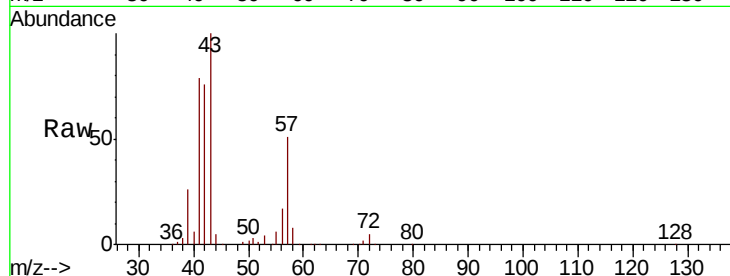


#15  
Acetone  
Concen: 3.429 ppbv  
RT: 3.88  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
SV-3DL  
Acq: 2 Mar 2022 21:01

Tot Ion:  
Ion Ratio  
43 100  
58 9.

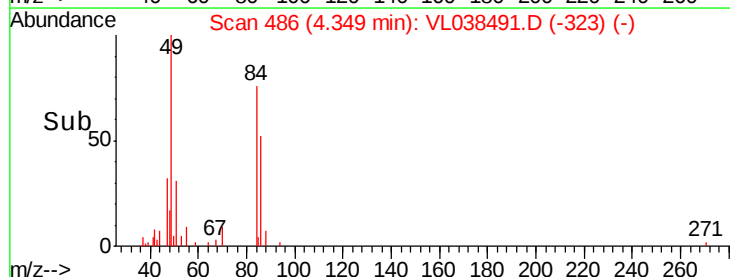
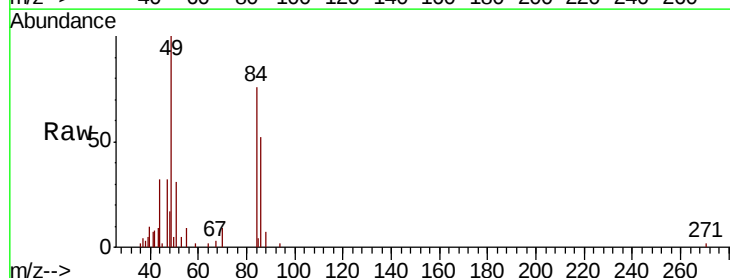
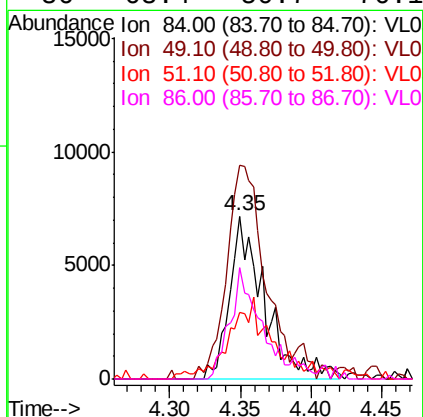
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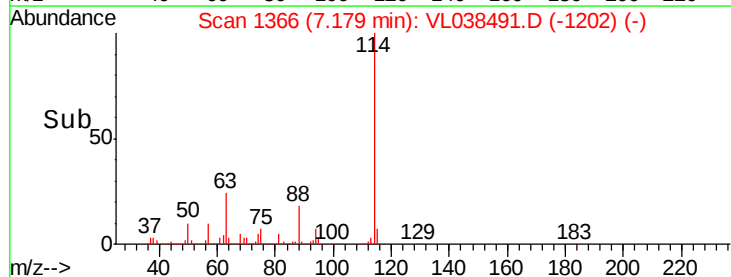
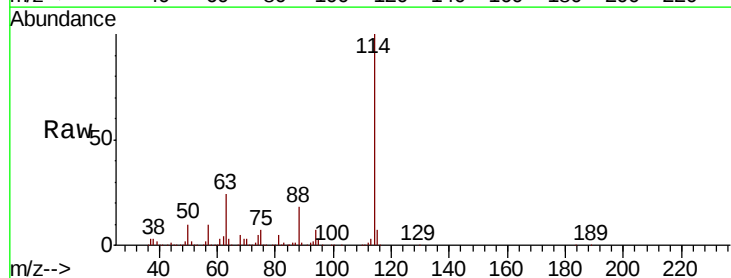
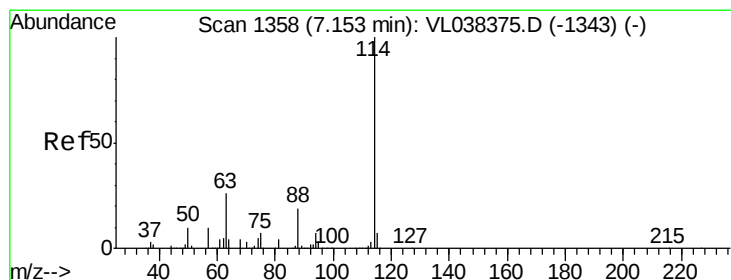
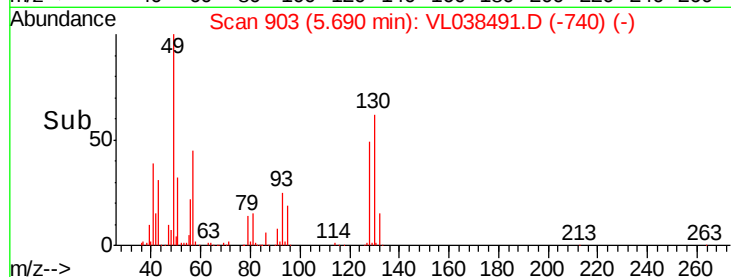
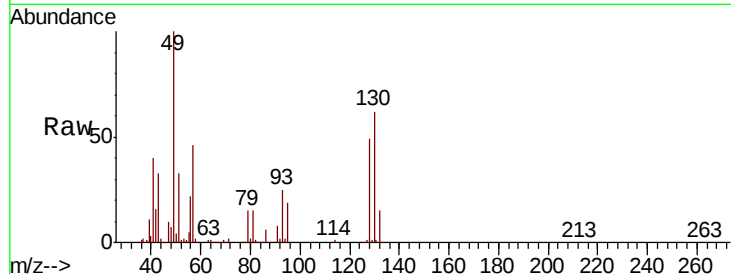
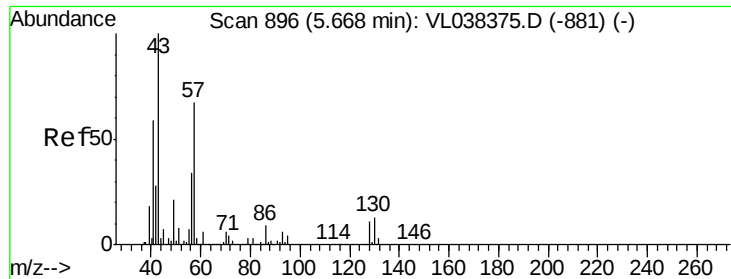
Reviewed By :Semsettin Yesilyurt 03/03/2022  
Supervised By :Mahesh Dadoda 03/07/2022



#20  
Methylene Chloride  
Concen: 0.328 ppbv m  
RT: 4.35 min Scan# 486  
Delta R.T. 0.02 min  
Lab File: VL038491.D  
Acq: 2 Mar 2022 21:01

Tgt Ion: 84 Resp: 12244  
Ion Ratio Lower Upper  
84 100  
49 131.4 122.4 183.6  
51 40.7 33.3 49.9  
86 68.4 50.7 76.1





#26

Hexane

Concen: 1.729 ppbv

RT: 5.69

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 21:01

Tot Ion:

Ion Ratio

57 100

41 92.

43 75.

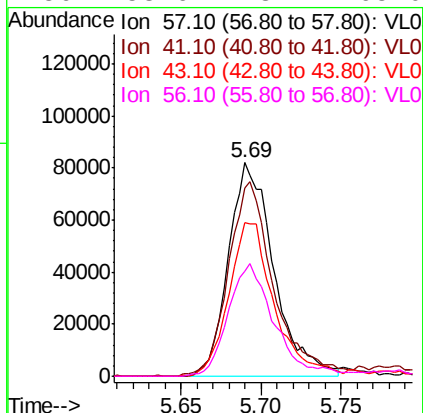
56 53.6 43.4 65.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.03 min

Lab File: VL038491.D

Acq: 2 Mar 2022 21:01

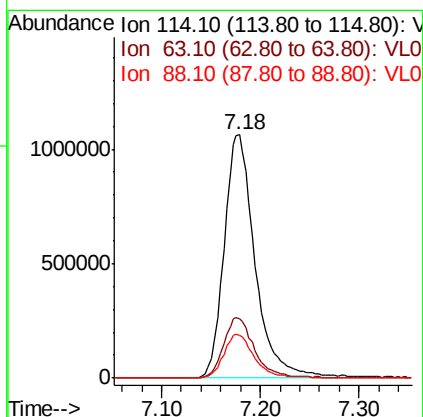
Tgt Ion:114 Resp: 2327448

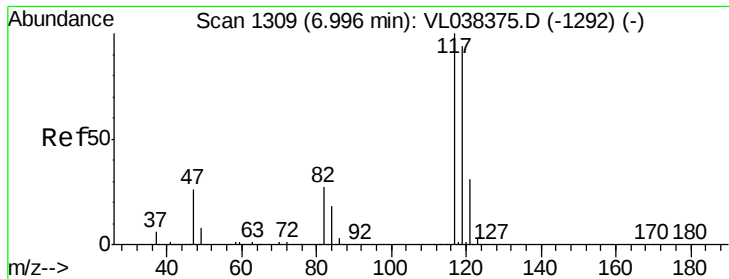
Ion Ratio Lower Upper

114 100

63 25.2 22.2 33.2

88 18.2 15.2 22.8





#35

Carbon Tetrachloride

Concen: 0.066 ppbv m

RT: 7.01 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 21:01 SV-3DL

Tot Ion:1

Ion Rati

117 100

119 108.

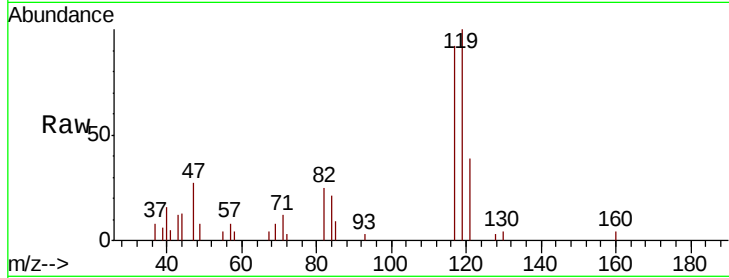
121 42.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/03/2022

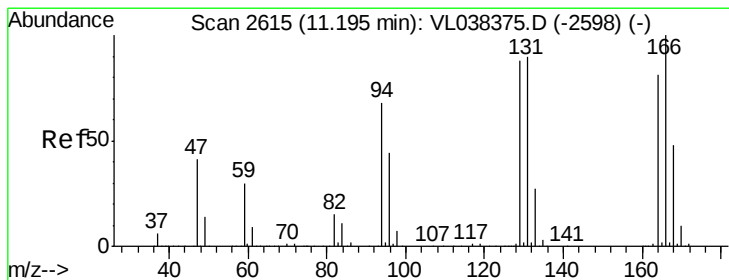
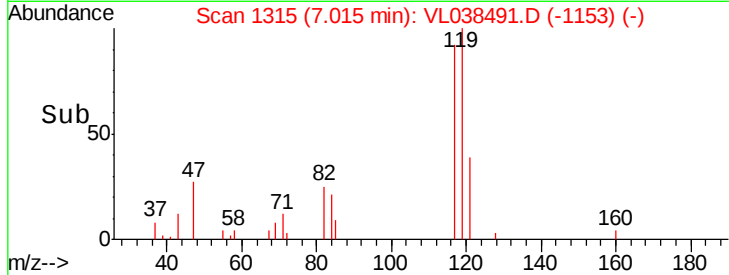
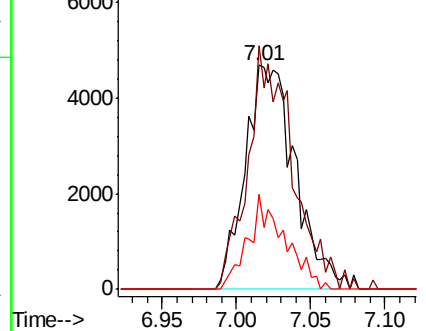
Supervised By :Mahesh Dadoda 03/07/2022



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#52

Tetrachloroethene

Concen: 0.130 ppbv m

RT: 11.22 min Scan# 2624

Delta R.T. 0.03 min

Lab File: VL038491.D

Acq: 2 Mar 2022 21:01

Tgt Ion:164 Resp: 8870

Ion Ratio Lower Upper

164 100

166 112.5 98.6 148.0

129 96.8 86.9 130.3

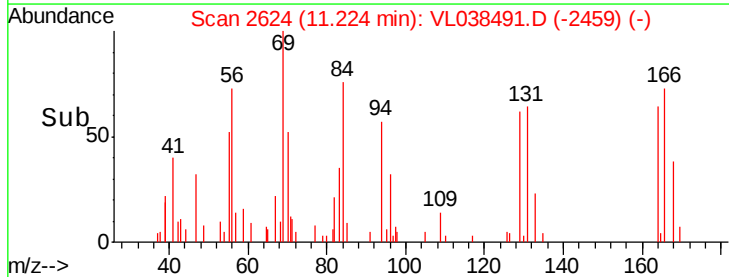
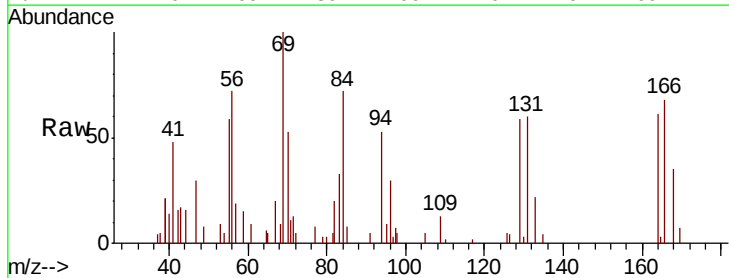
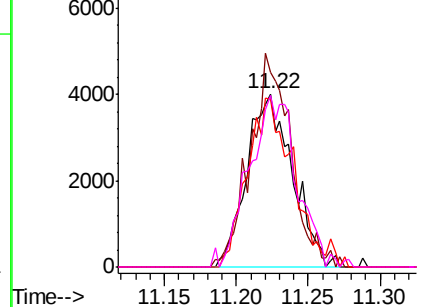
131 99.0 88.6 133.0

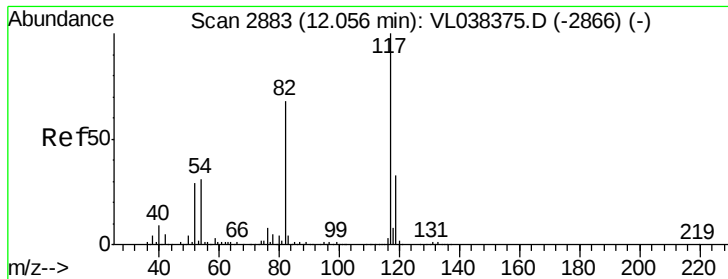
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



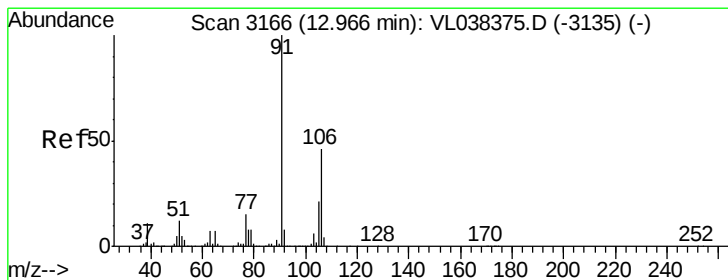
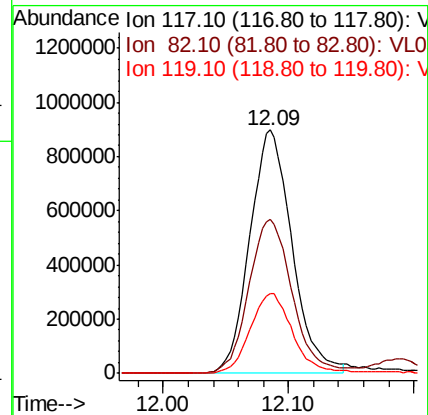
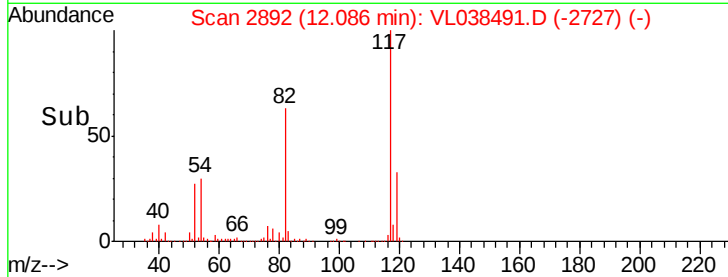
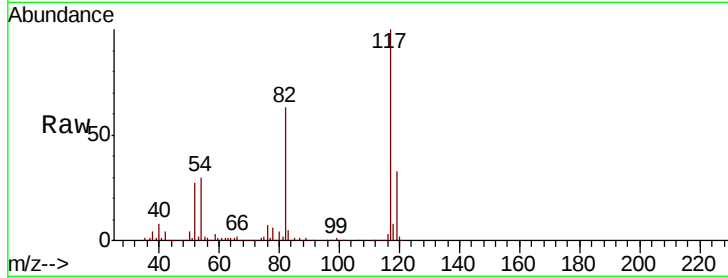


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.09 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
SV-3DL  
Acq: 2 Mar 2022 21:01

Tot Ion: 1  
Ion Ratio  
117 100  
82 64.  
119 33.

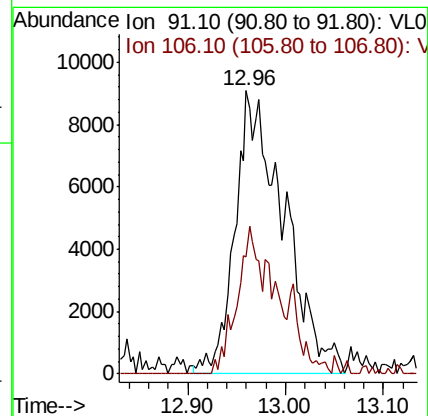
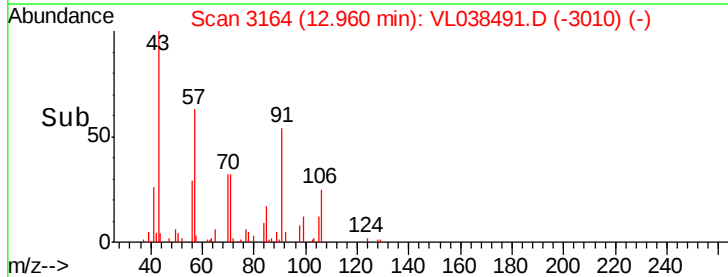
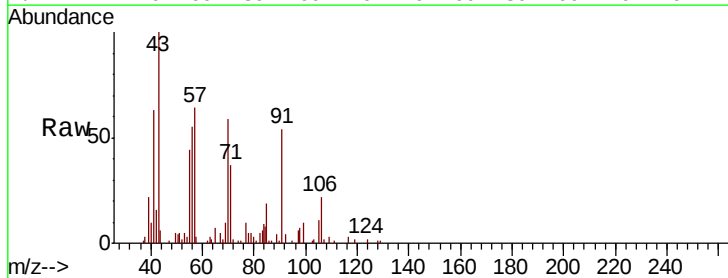
Manual Integrations  
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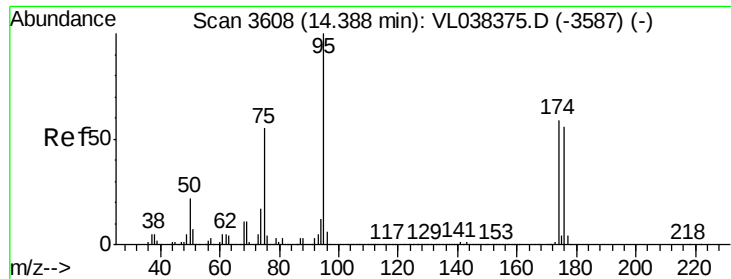
Reviewed By :Semsettin Yesilyurt 03/03/2022  
Supervised By :Mahesh Dadoda 03/07/2022



#59  
m/p-Xylene  
Concen: 0.127 ppbv m  
RT: 12.96 min Scan# 3164  
Delta R.T. -0.01 min  
Lab File: VL038491.D  
Acq: 2 Mar 2022 21:01

Tgt Ion: 91 Resp: 31373  
Ion Ratio Lower Upper  
91 100  
106 0.0 34.4 51.6#





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.046 ppbv  
 RT: 14.41  
 Delta R.T: MSVOA\_L  
 Lab File: ClientSampleId :  
 SV-3DL  
 Acq: 2 Mar 2022 21:01

Tot Ion:  
 Ion Rati  
 95 100  
 174 61.  
 175 4.

Manual Integrations  
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