

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\  
 Data File : VL036860.D  
 Acq On : 27 Apr 2021 16:32  
 Operator : SY/AP  
 Sample : M2172-02DL 10X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA L  
 ClientSampleId :  
 OFFSITE-DDC-INTERMEDIATE-2DL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/28/2021  
 Supervised By :Mahesh Dadoda 04/29/2021

Quant Time: Apr 28 06:38:06 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721A  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
 QLast Update : Tue Apr 27 16:56:35 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1477404  | 10.00 | ppbv  | 0.01     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 3455502  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 3024026  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 2477604  | 10.21    | ppbv | 0.01    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.10% |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 9) Propene                 | 3.02  | 41   | 16749m   | 0.204 | ppbv   |        |
| 13) Ethanol                | 3.64  | 45   | 13703m   | 1.310 | ppbv   |        |
| 15) Acetone                | 3.87  | 43   | 109191m  | 0.784 | ppbv   |        |
| 20) Methylene Chloride     | 4.35  | 84   | 154561   | 2.321 | ppbv   | 90     |
| 26) Hexane                 | 5.69  | 57   | 117800   | 0.740 | ppbv # | 42     |
| 31) cis-1,2-Dichloroethene | 5.56  | 61   | 83994m   | 0.588 | ppbv   |        |
| 34) 2-Butanone             | 5.28  | 43   | 59885m   | 0.396 | ppbv   |        |
| 52) Tetrachloroethene      | 11.25 | 164  | 3097m    | 0.031 | ppbv   |        |

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

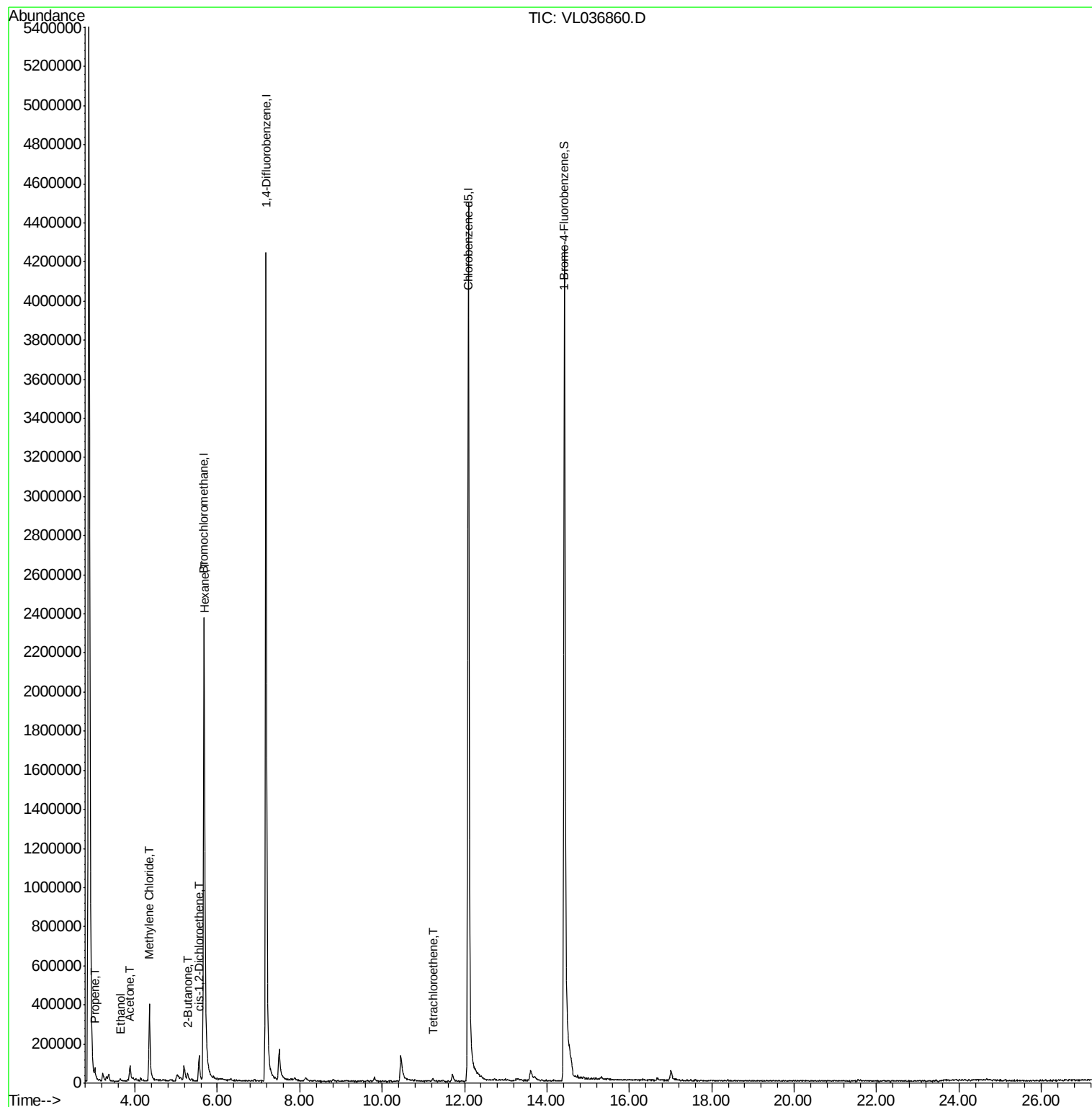
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL042721\  
Data File : VL036860.D  
Acq On : 27 Apr 2021 16:32  
Operator : SY/AP  
Sample : M2172-02DL 10X  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

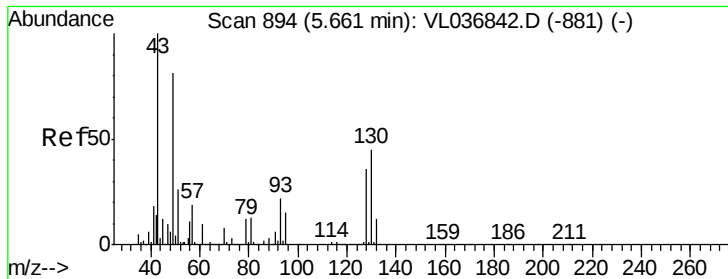
Instrument :  
MSVOA\_L  
ClientSampleId :  
OFFSITE-DDC-INTERMEDIATE-2DL

Quant Time: Apr 28 06:38:06 2021  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL042721  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
QLast Update : Tue Apr 27 16:56:35 2021  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 04/28/2021  
Supervised By :Mahesh Dadoda 04/29/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA\_L

Delta R.T.

Lab File: ClientSampleId:

Acq: 27 Apr 2021 16:32 OFFSITE-DDC-INTERMEDIATE-2DL

Tot Ion:

Ion Ratio

49 100

128 46.

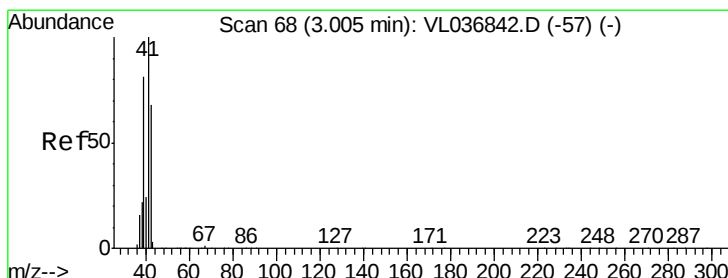
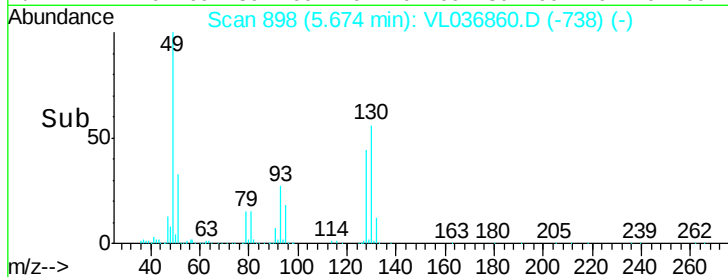
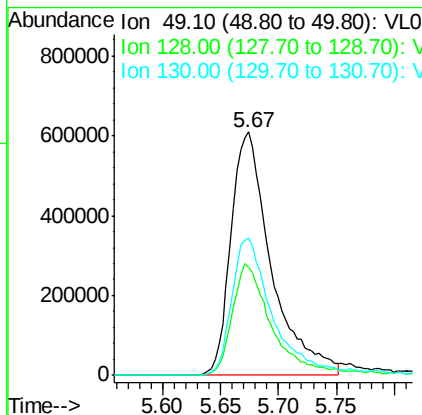
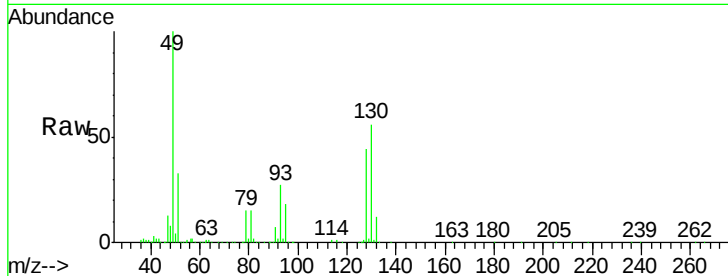
130 59.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/28/2021

Supervised By :Mahesh Dadoda 04/29/2021



#9

Propene

Concen: 0.204 ppbv m

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL036860.D

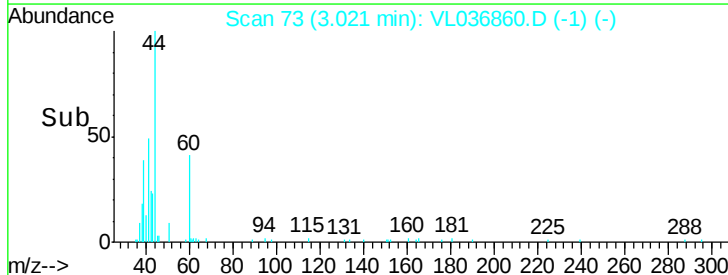
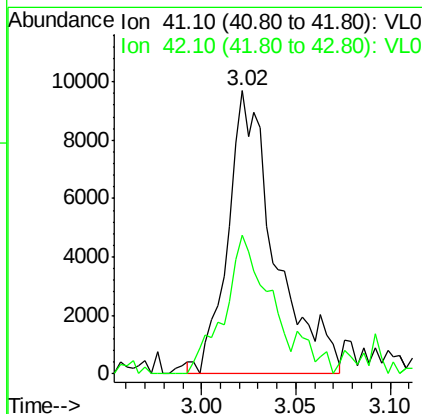
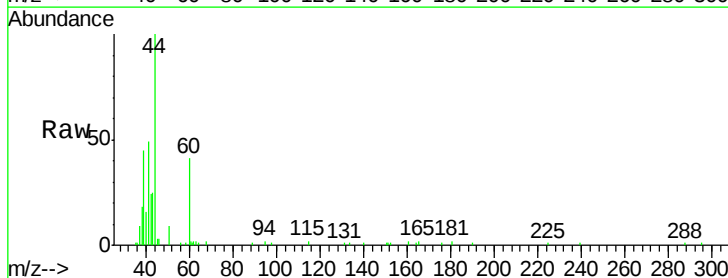
Acq: 27 Apr 2021 16:32

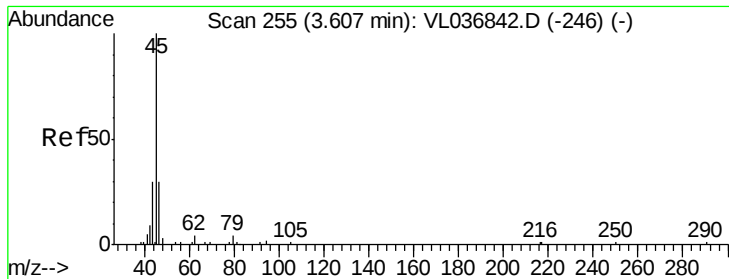
Tgt Ion: 41 Resp: 16749

Ion Ratio Lower Upper

41 100

42 33.5 56.0 84.0#





#13

Ethanol

Concen: 1.310 ppbv m

RT: 3.64 Instrument:

Delta R.T. MSVOA\_L

Lab File:

Acq: 27 Apr 2021 16:32 ClientSampleId: OFFSITE-DDC-INTERMEDIATE-2DL

Tot Ion:

Ion Ratio

45 100

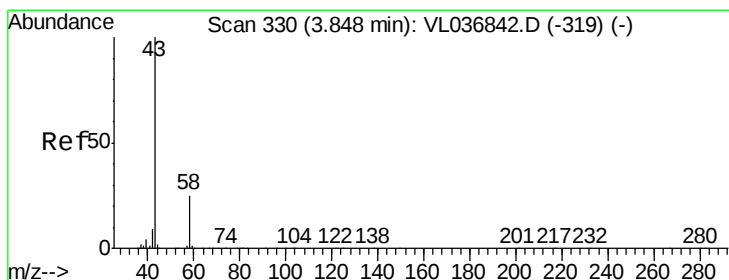
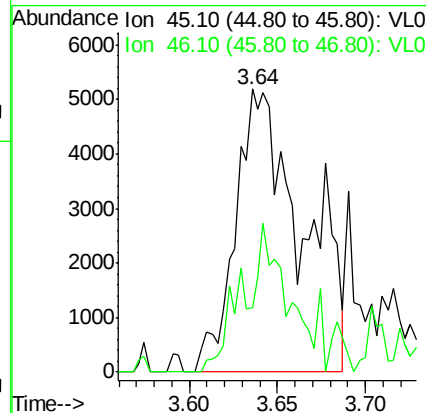
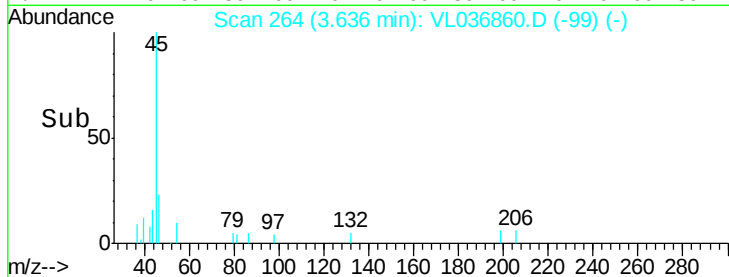
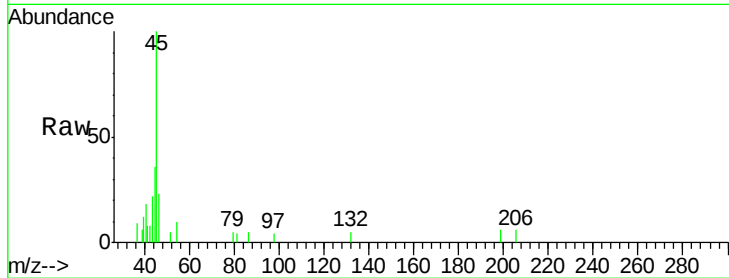
46 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/28/2021

Supervised By :Mahesh Dadoda 04/29/2021



#15

Acetone

Concen: 0.784 ppbv m

RT: 3.87 min Scan# 337

Delta R.T. 0.02 min

Lab File: VL036860.D

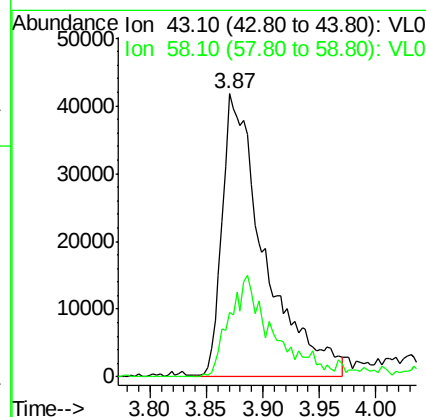
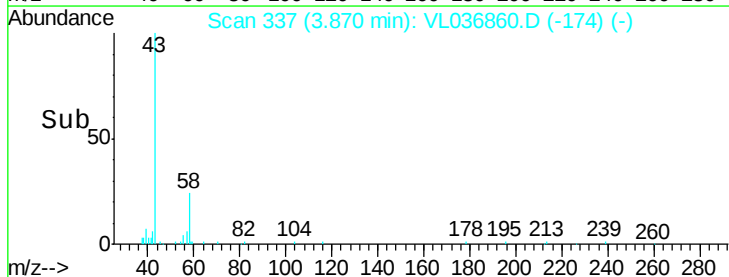
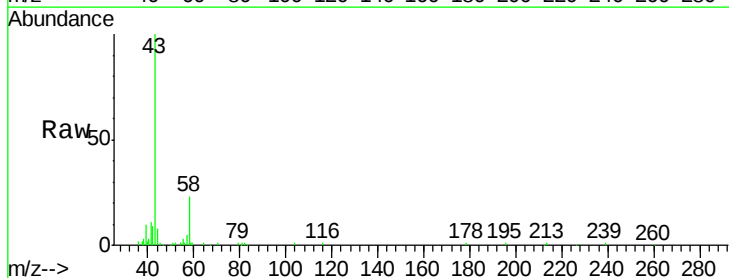
Acq: 27 Apr 2021 16:32

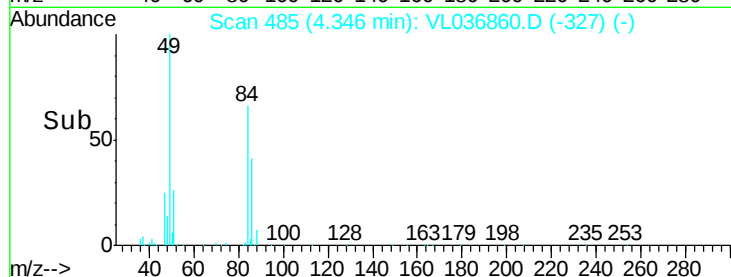
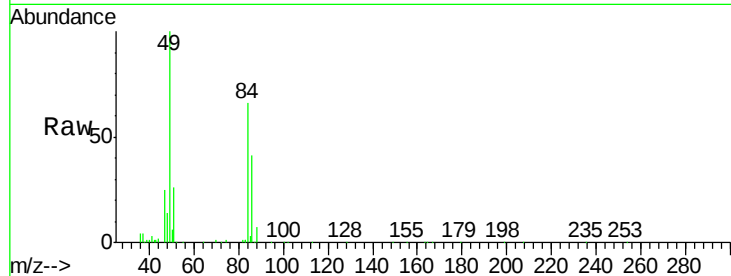
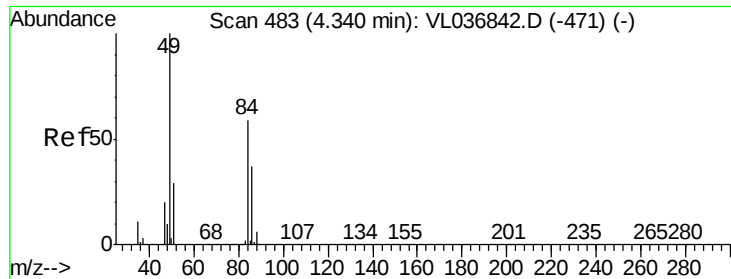
Tgt Ion: 43 Resp: 109191

Ion Ratio Lower Upper

43 100

58 0.0 21.7 32.5#





#20

Methvlene Chloride

Concen: 2.321 ppbv

RT: 4.35 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 16:32 OFFSITE-DDC-INTERMEDIATE-2DL

Tot Ion:

Ion Ratio

84 100

49 152.

51 39.

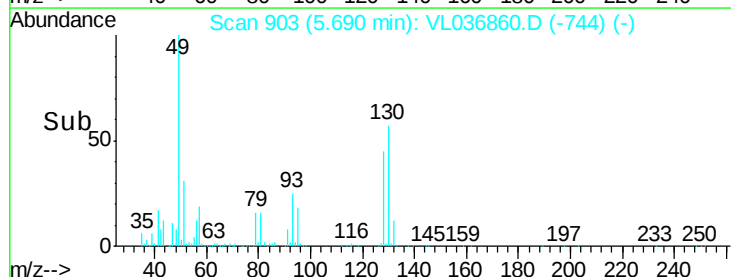
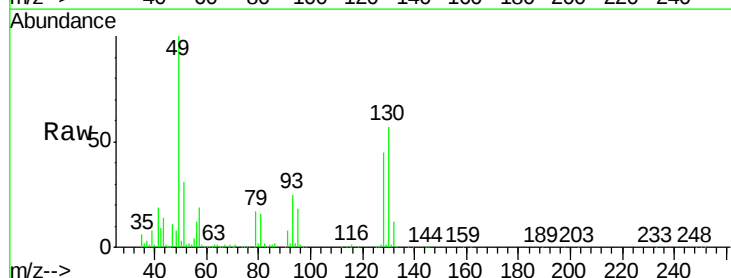
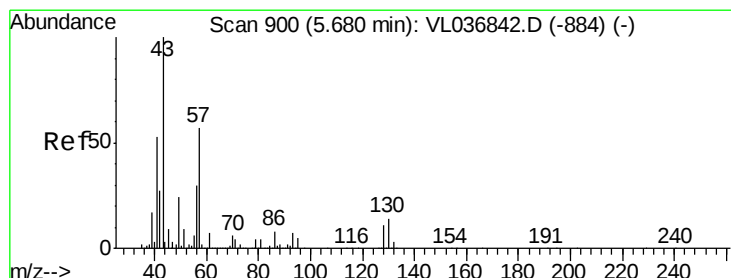
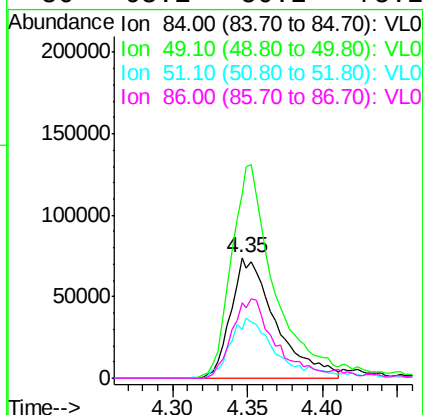
86 63.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/28/2021

Supervised By :Mahesh Dadoda 04/29/2021



#26

Hexane

Concen: 0.740 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL036860.D

Acq: 27 Apr 2021 16:32

Tgt Ion: 57 Resp: 117800

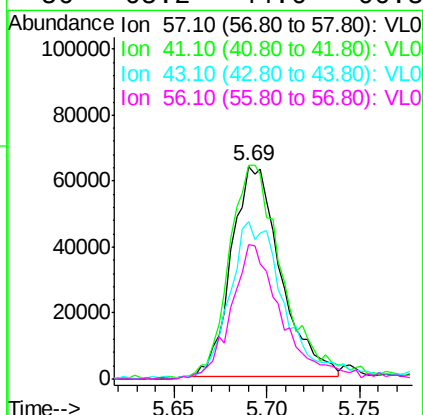
Ion Ratio Lower Upper

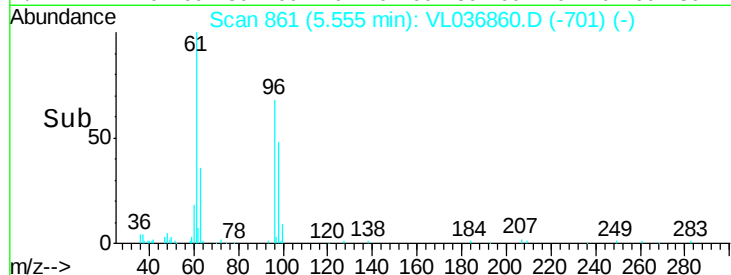
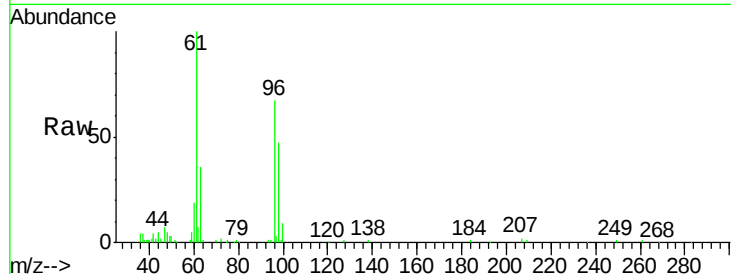
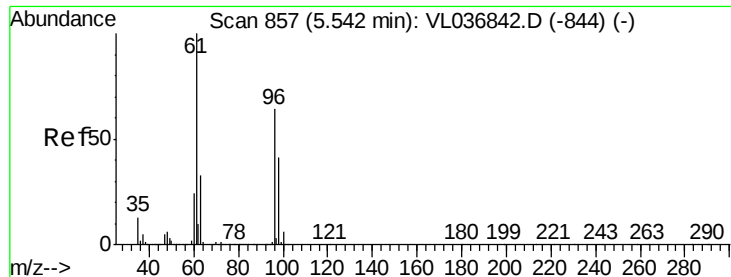
57 100

41 115.4 77.7 116.5

43 85.4 180.5 270.7#

56 65.2 44.6 66.8



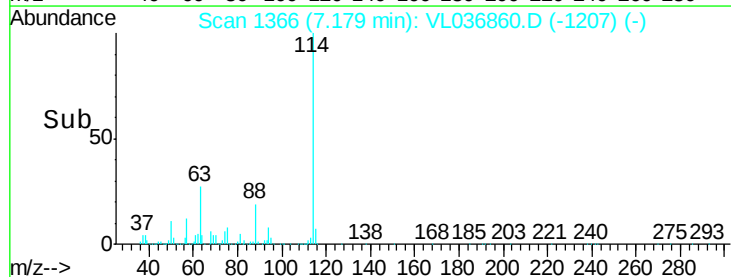
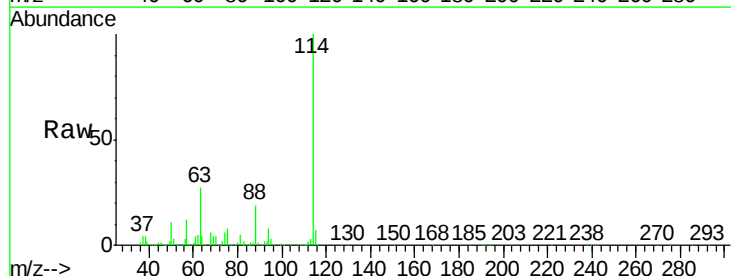
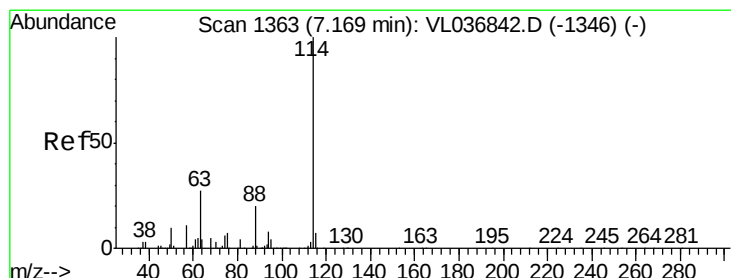
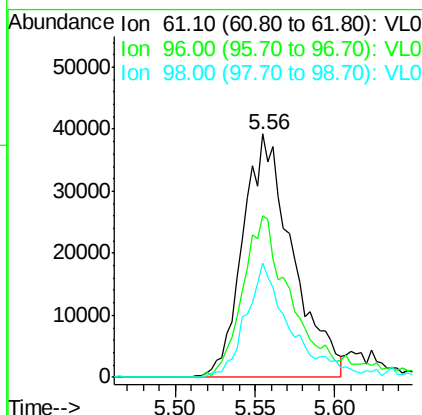


#31  
 cis-1,2-Dichloroethene  
 Concen: 0.588 ppbv m  
 RT: 5.56  
 Instrument: MSVOA\_L  
 Delta R.T.  
 Lab File: ClientSampleId :  
 Acq: 27 Apr 2021 16:32 OFFSITE-DDC-INTERMEDIATE-2DL

Tot Ion:  
 Ion Ratio  
 61 100  
 96 66.  
 98 47.

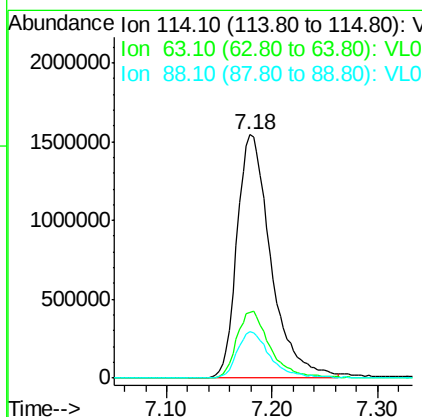
Manual Integrations  
 APPROVED

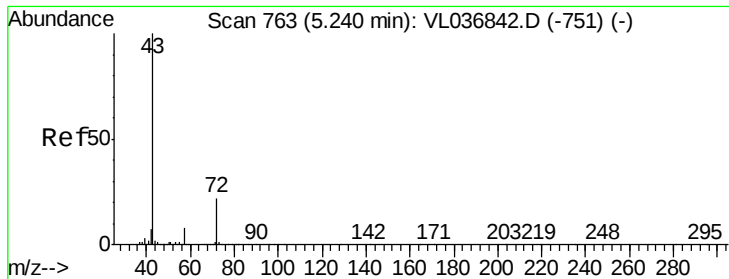
Reviewed By :Semsettin Yesilyurt 04/28/2021  
 Supervised By :Mahesh Dadoda 04/29/2021



#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.18 min Scan# 1366  
 Delta R.T. 0.01 min  
 Lab File: VL036860.D  
 Acq: 27 Apr 2021 16:32

Tgt Ion:114 Resp: 3455502  
 Ion Ratio Lower Upper  
 114 100  
 63 27.6 21.9 32.9  
 88 19.0 15.1 22.7



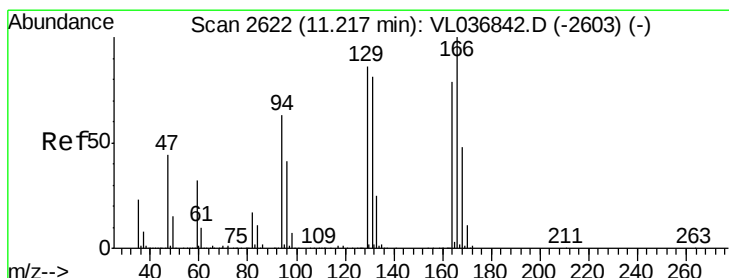
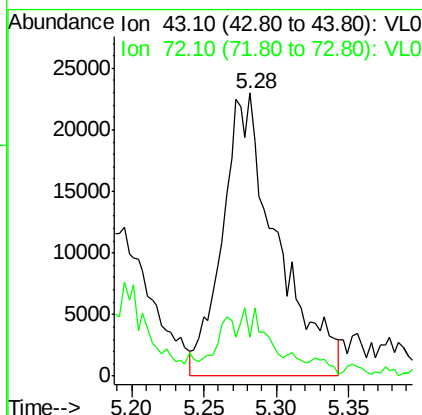
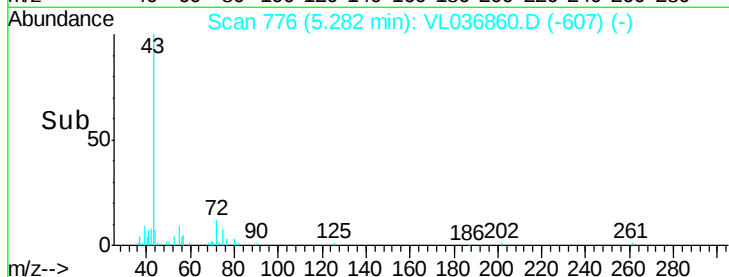
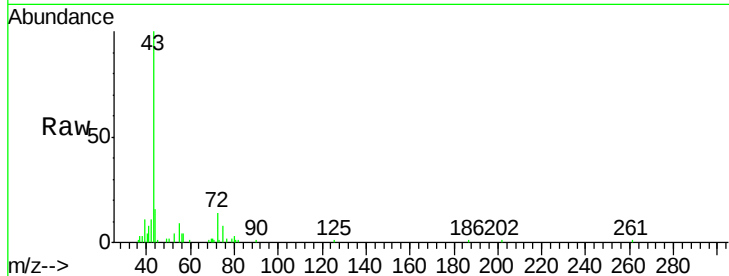


#34  
2-Butanone  
Concen: 0.396 ppbv m  
RT: 5.28  
Delta R.T. MSVOA\_L  
Lab File: ClientSampled :  
Acq: 27 Apr 2021 10:32 OFFSITE-DDC-INTERMEDIATE-2DL

Tot Ion:  
Ion Ratio  
43 100  
72 0.

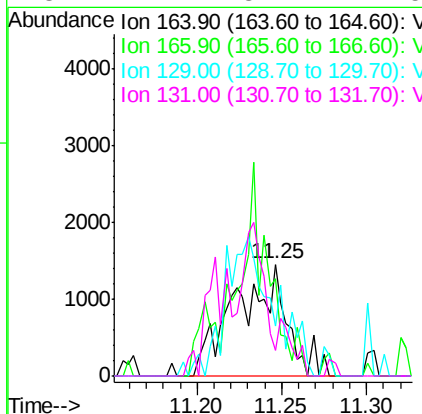
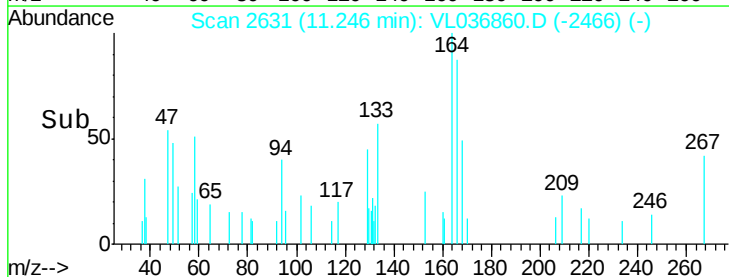
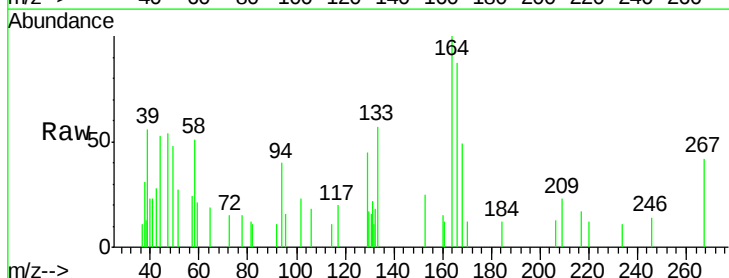
Manual Integrations  
APPROVED

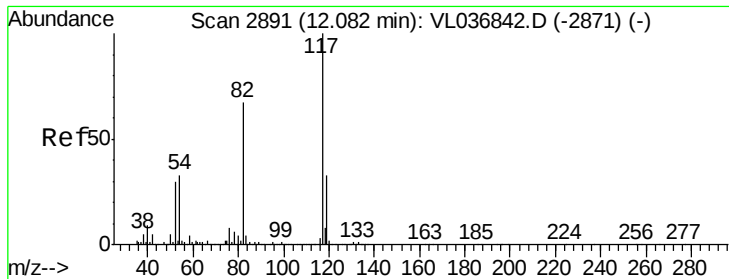
Reviewed By :Semsettin Yesilyurt 04/28/2021  
Supervised By :Mahesh Dadoda 04/29/2021



#52  
Tetrachloroethene  
Concen: 0.031 ppbv m  
RT: 11.25 min Scan# 2631  
Delta R.T. 0.03 min  
Lab File: VL036860.D  
Acq: 27 Apr 2021 16:32

Tgt Ion:164 Resp: 3097  
Ion Ratio Lower Upper  
164 100  
166 87.2 100.9 151.3#  
129 44.8 87.0 130.4#  
131 22.4 81.7 122.5#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09

Delta R.T. MSVOA\_L

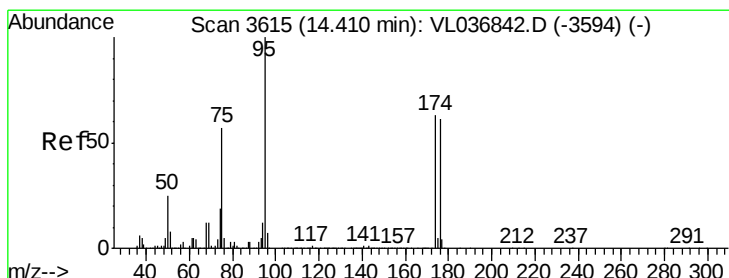
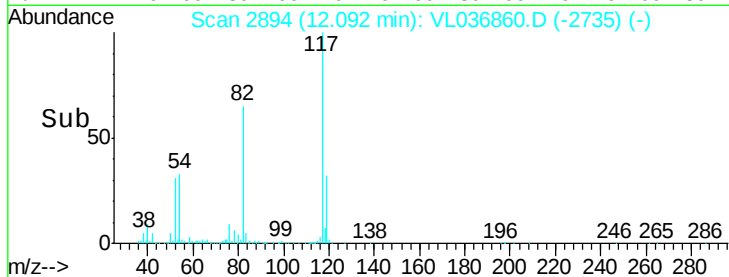
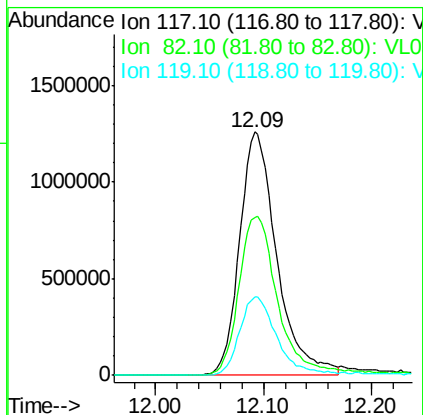
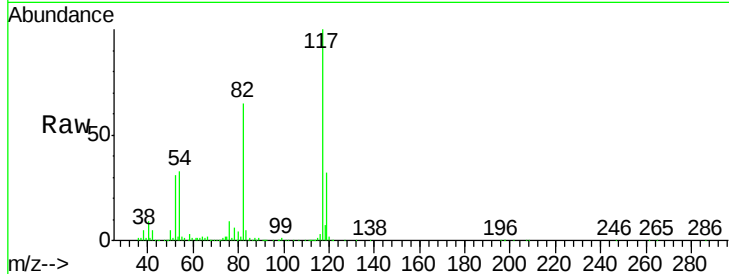
Lab File: ClientSampleId:

Acq: 27 Apr 2021 10:32 OFFSITE-DDC-INTERMEDIATE-2DL

Tot Ion:1  
Ion Rati  
117 100  
82 71.  
119 34.

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 04/28/2021  
Supervised By :Mahesh Dadoda 04/29/2021



#68

1-Bromo-4-Fluorobenzene

Concen: 10.206 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. 0.01 min

Lab File: VL036860.D

Acq: 27 Apr 2021 16:32

Tgt Ion: 95 Resp: 2477604  
Ion Ratio Lower Upper  
95 100  
174 64.4 52.2 78.2  
175 4.4 4.0 6.0

