

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
 Data File : VL037711.D
 Acq On : 28 Sep 2021 20:40
 Operator : SY/AP
 Sample : M3948-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/29/2021
 Supervised By : Amit Patel 10/01/2021

Quant Time: Sep 29 20:50:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621A
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument:
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1414322	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4139296	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	3629442	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2599214	9.91	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.00	51	201159	0.754	ppbv	92
9) Propene	3.02	41	94505m	1.004	ppbv	
10) Heptane	8.13	43	36517m	0.166	ppbv	
13) Ethanol	3.62	45	106363	11.556	ppbv	99
15) Acetone	3.85	43	9250273	62.950	ppbv	99
17) tert-Butyl alcohol	4.30	59	81031	0.650	ppbv #	92
19) Isopropyl Alcohol	3.98	45	385348	4.820	ppbv #	89
20) Methylene Chloride	4.35	84	96760	1.379	ppbv #	92
26) Hexane	5.69	57	111677	0.661	ppbv #	37
29) Chloroform	5.76	83	160397m	0.650	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	85572	0.372	ppbv	92
34) 2-Butanone	5.25	43	1105502	6.572	ppbv	96
35) Carbon Tetrachloride	7.02	117	9029m	0.039	ppbv	
36) Benzene	6.90	78	61794m	0.179	ppbv	
38) Trichloroethene	7.84	130	3656171	25.358	ppbv	97
51) 2-Hexanone	10.15	43	334233	3.548	ppbv #	99
52) Tetrachloroethene	11.23	164	2880735	21.740	ppbv	98
53) Toluene	9.82	91	230427	0.601	ppbv	97
58) Ethyl Benzene	12.72	91	147139	0.305	ppbv #	88
59) m/p-Xylene	12.97	91	519222m	1.237	ppbv	
60) o-Xylene	13.70	91	293061	0.733	ppbv	100
64) n-propylbenzene	15.57	120	26643m	0.185	ppbv	
72) 4-Ethyltoluene	15.84	105	123970	0.270	ppbv #	94
73) 1,3,5-Trimethylbenzene	16.00	105	168084m	0.393	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	681285	1.513	ppbv #	75
79) Naphthalene	22.20	128	83979m	0.304	ppbv	

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

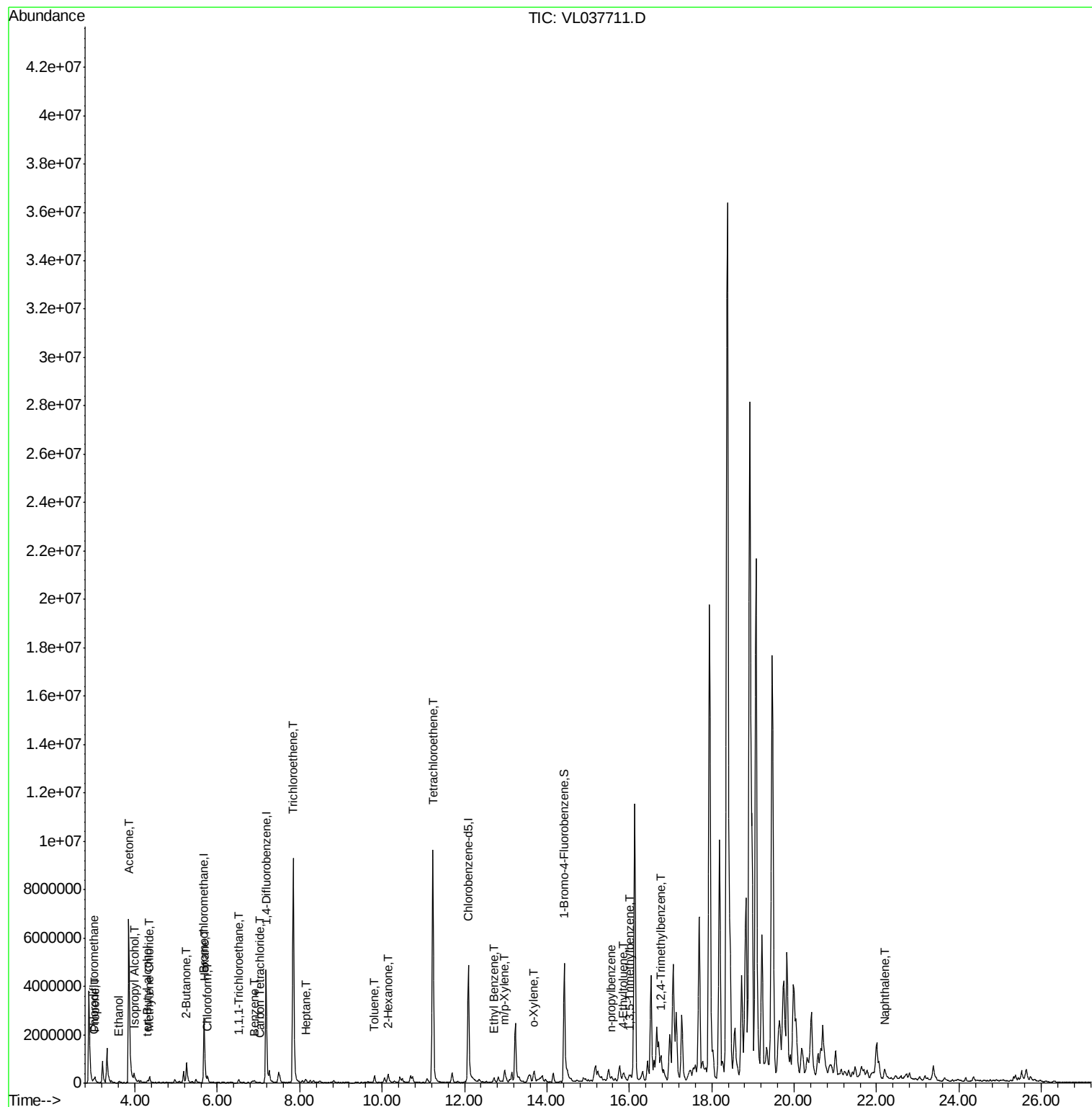
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
Data File : VL037711.D
Acq On : 28 Sep 2021 20:40
Operator : SY/AP
Sample : M3948-02 4X
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

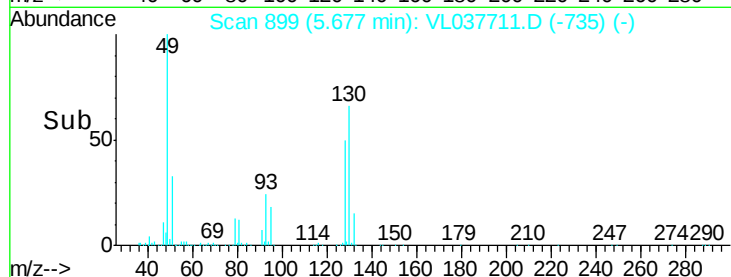
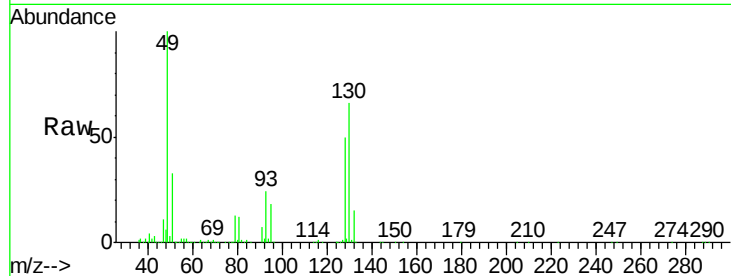
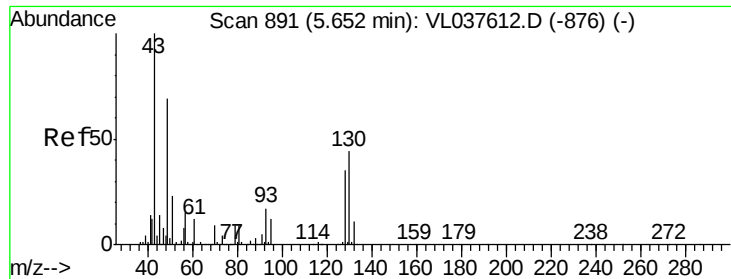
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Sep 29 20:50:13 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091621.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/29/2021
Supervised By :Amit Patel 10/01/2021



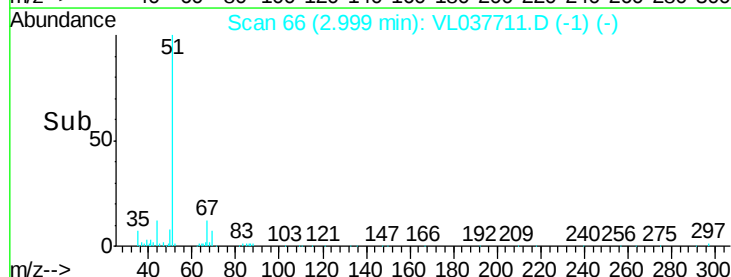
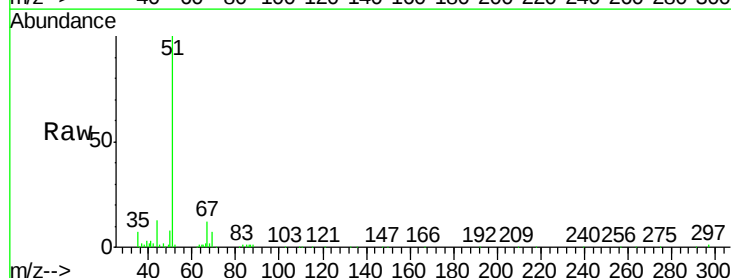
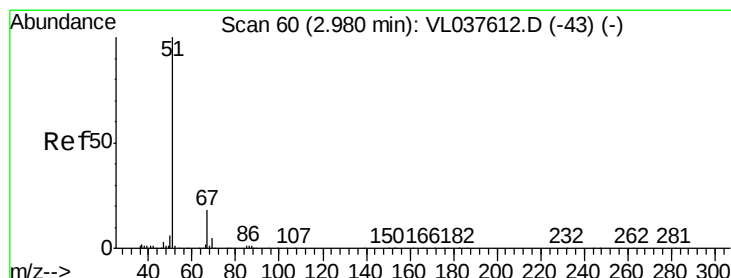
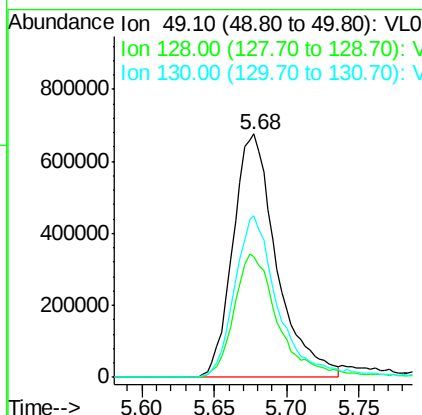


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 28 Sep 2021 20:40

Tgt Ion:
Ion Ratio
49 100
128 52.
130 67.

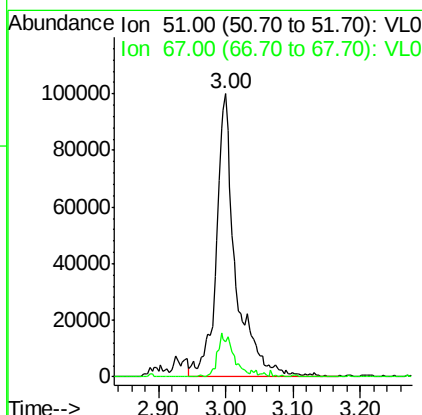
Manual Integrations
APPROVED

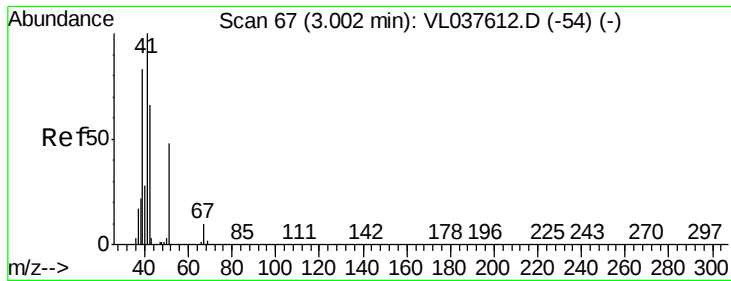
Reviewed By :Semsettin Yesilyurt 09/29/2021
Supervised By :Amit Patel 10/01/2021



#3
Chlorodifluoromethane
Concen: 0.754 ppbv
RT: 3.00 min Scan# 66
Delta R.T. 0.02 min
Lab File: VL037711.D
Acq: 28 Sep 2021 20:40

Tgt Ion: 51 Resp: 201159
Ion Ratio Lower Upper
51 100
67 14.2 14.0 21.0





#9

Propene

Concen: 1.004 ppbv m

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Sep 2021 20:40 SV2

Tgt Ion:

Ion Ratio

41 100

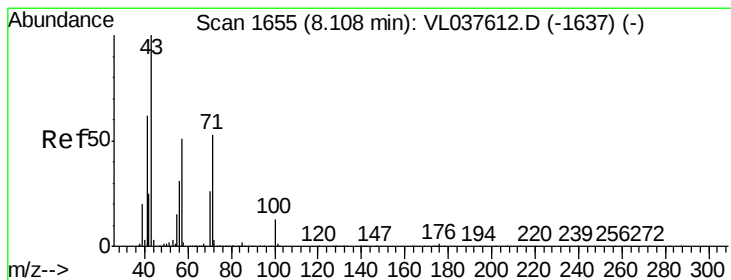
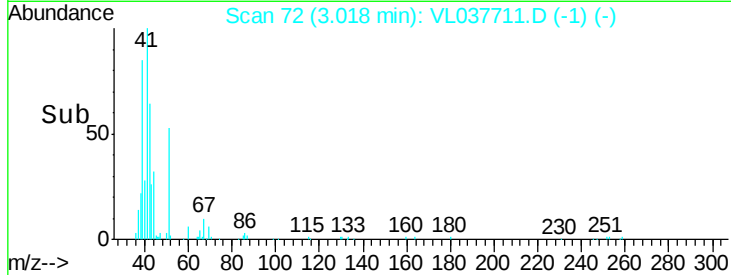
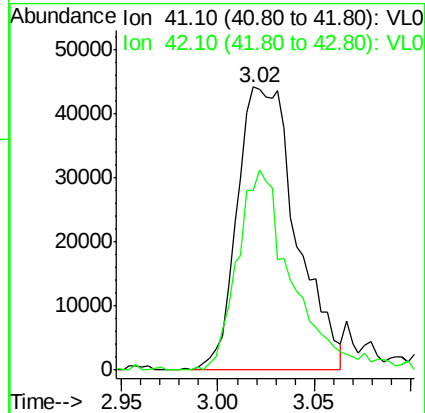
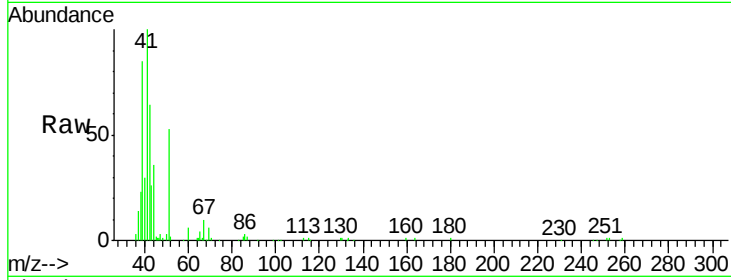
42 66.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/29/2021

Supervised By :Amit Patel 10/01/2021



#10

Heptane

Concen: 0.166 ppbv m

RT: 8.13 min Scan# 1663

Delta R.T. 0.03 min

Lab File: VL037711.D

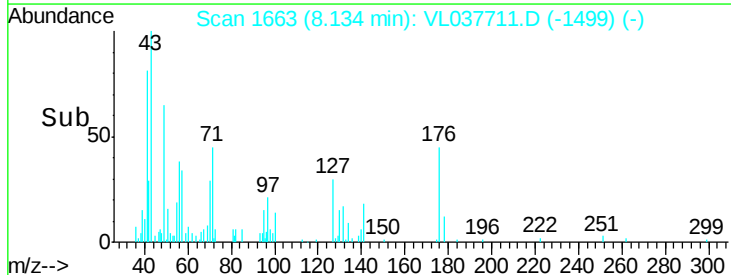
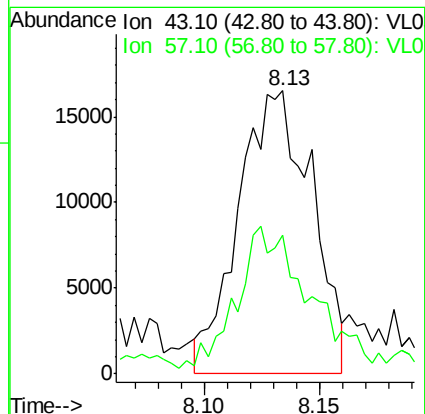
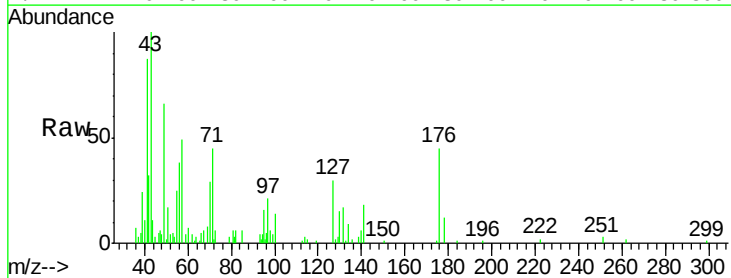
Acq: 28 Sep 2021 20:40

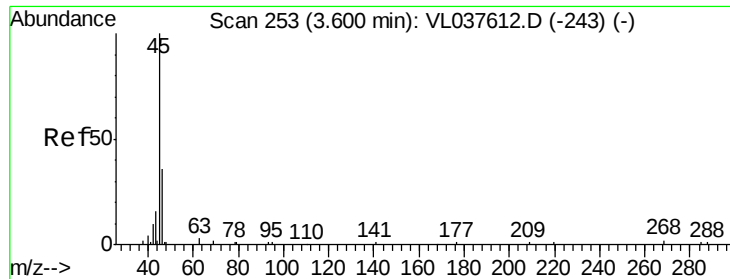
Tgt Ion: 43 Resp: 36517

Ion Ratio Lower Upper

43 100

57 0.0 40.1 60.1#



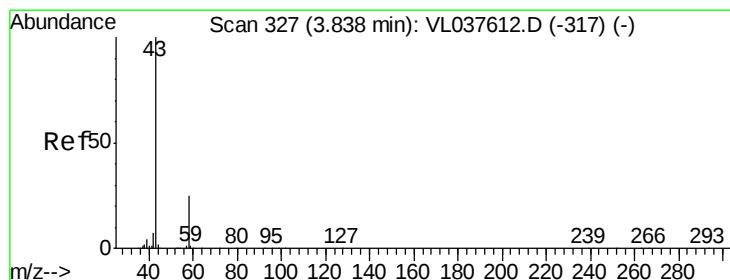
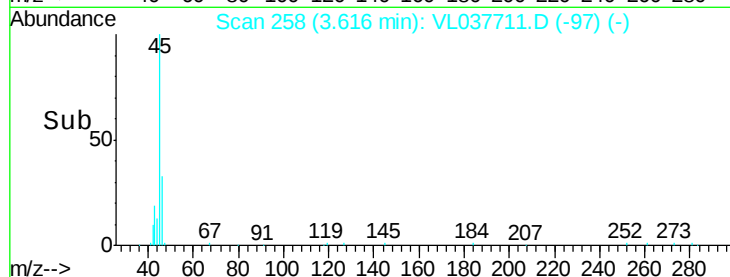
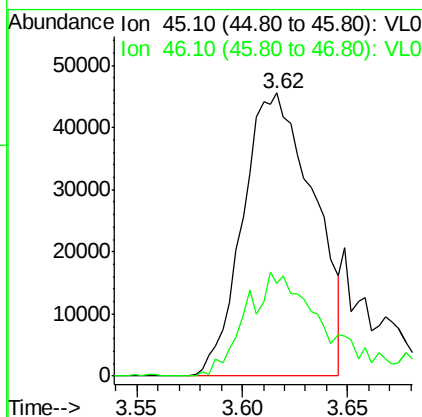
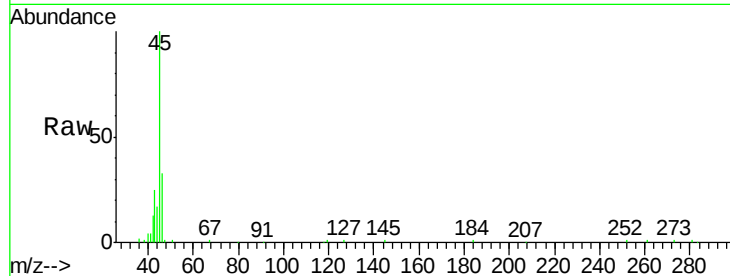


#13
Ethanol
Concen: 11.556 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Sep 2021 20:40

Tgt Ion:
Ion Ratio
45 100
46 43.

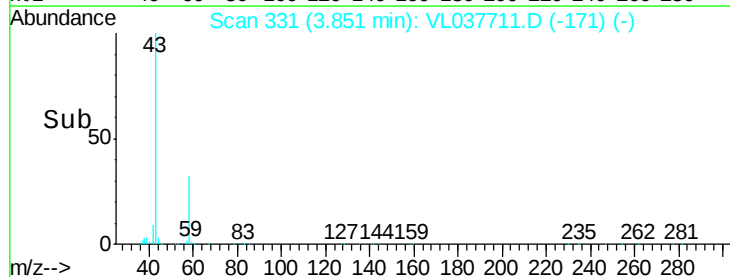
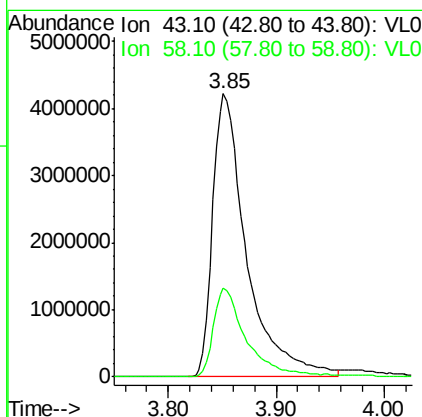
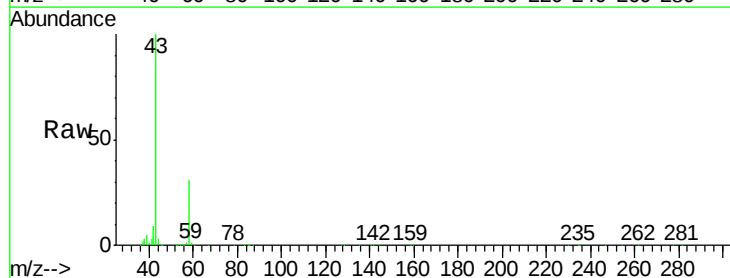
Manual Integrations
APPROVED

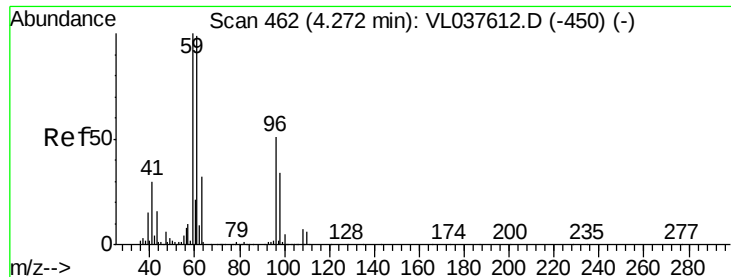
Reviewed By :Semsettin Yesilyurt 09/29/2021
Supervised By :Amit Patel 10/01/2021



#15
Acetone
Concen: 62.950 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL037711.D
Acq: 28 Sep 2021 20:40

Tgt Ion: 43 Resp: 9250273
Ion Ratio Lower Upper
43 100
58 31.5 24.9 37.3





#17

tert-Butyl alcohol

Concen: 0.650 ppbv

RT: 4.30 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Sep 2021 20:40 SV2

Tgt Ion:

Ion Ratio

59 100

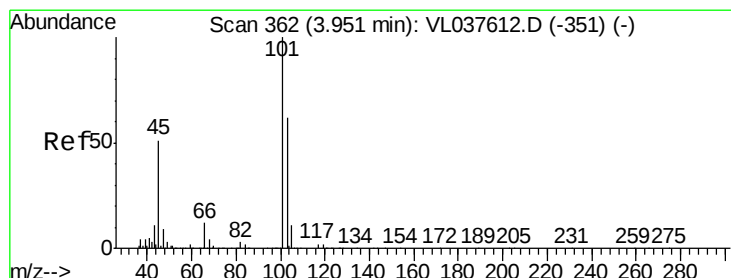
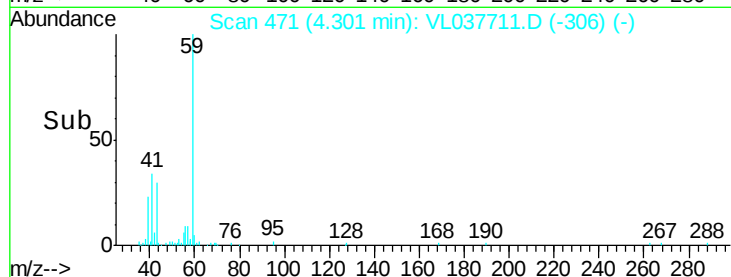
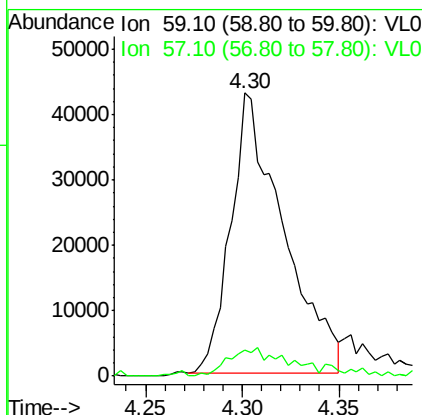
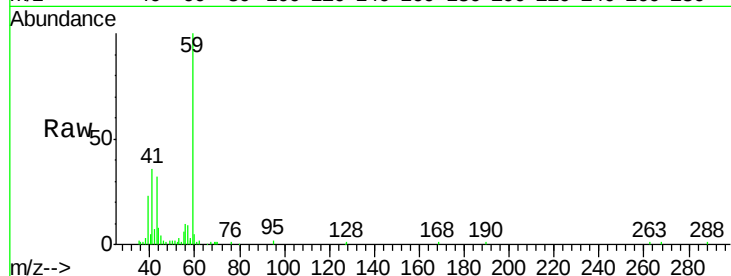
57 13.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/29/2021

Supervised By :Amit Patel 10/01/2021



#19

Isopropyl Alcohol

Concen: 4.820 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.03 min

Lab File: VL037711.D

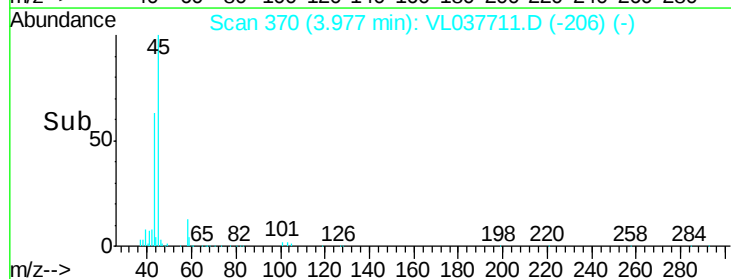
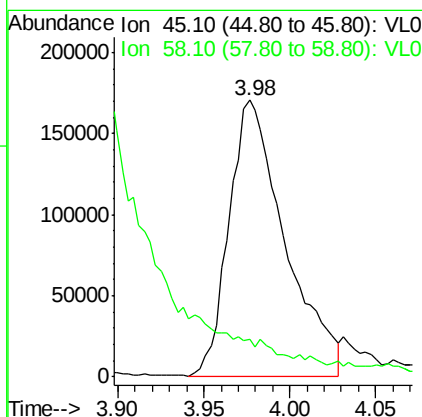
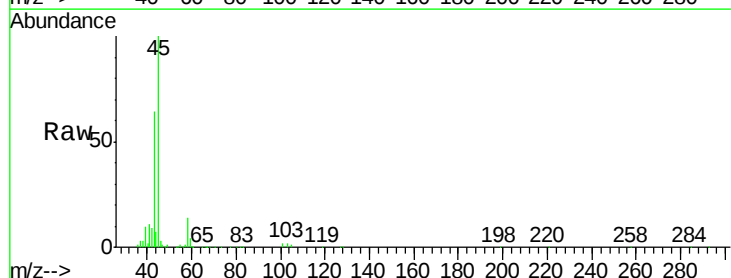
Acq: 28 Sep 2021 20:40

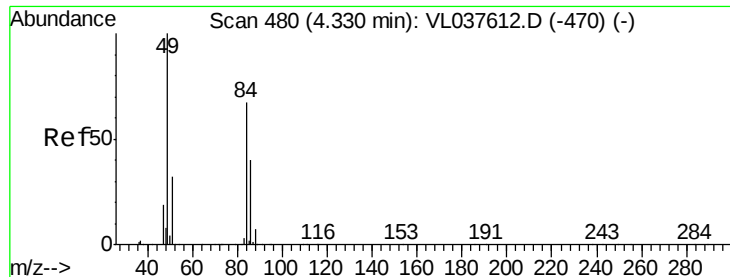
Tgt Ion: 45 Resp: 385348

Ion Ratio Lower Upper

45 100

58 0.0 2.9 4.3#



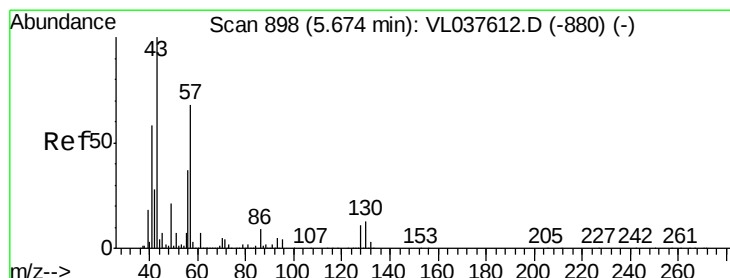
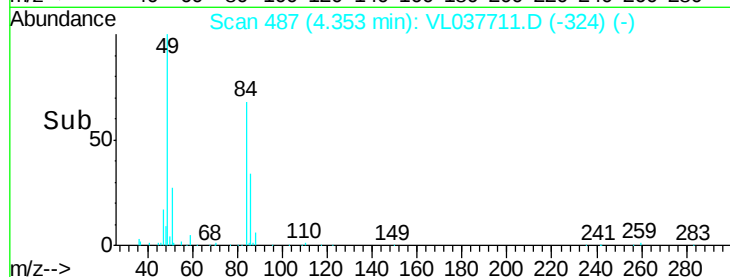
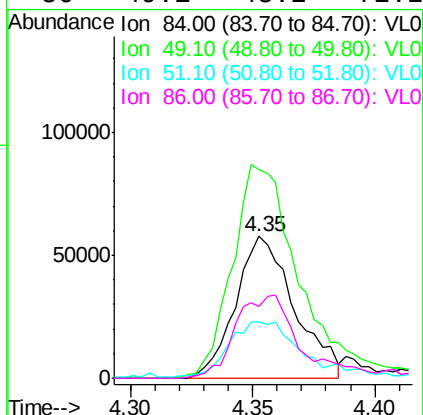
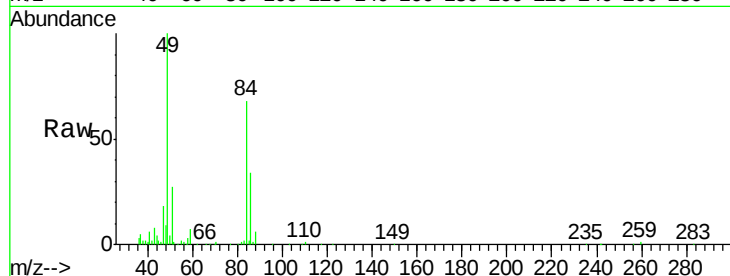


#20
Methylene Chloride
Concen: 1.379 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
SV2
Acq: 28 Sep 2021 20:40

Tgt Ion:
Ion Ratio
84 100
49 145.
51 37.
86 49.1 48.2 72.2

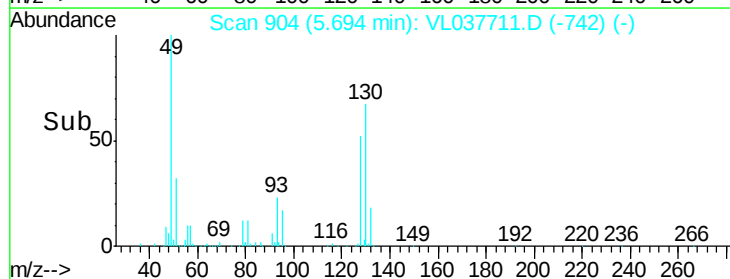
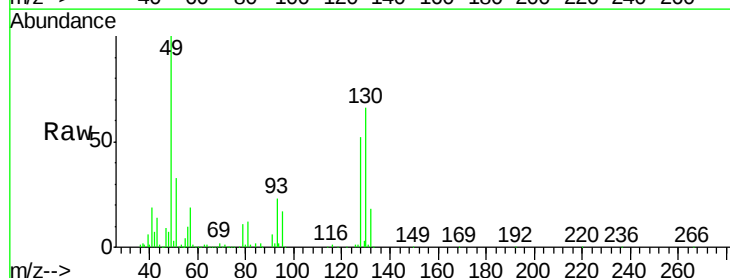
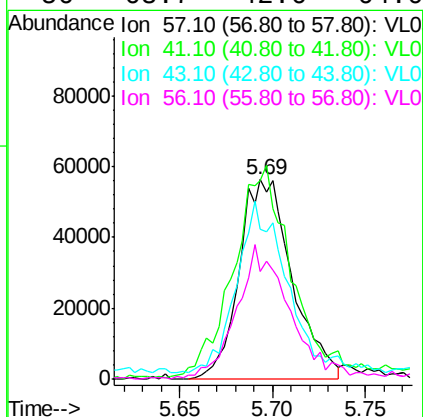
Manual Integrations
APPROVED

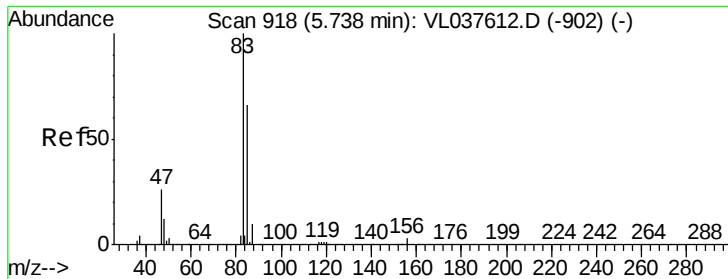
Reviewed By :Semsettin Yesilyurt 09/29/2021
Supervised By :Amit Patel 10/01/2021



#26
Hexane
Concen: 0.661 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.02 min
Lab File: VL037711.D
Acq: 28 Sep 2021 20:40

Tgt Ion: 57 Resp: 111677
Ion Ratio Lower Upper
57 100
41 124.6 70.9 106.3#
43 80.9 170.4 255.6#
56 68.7 42.6 64.0#



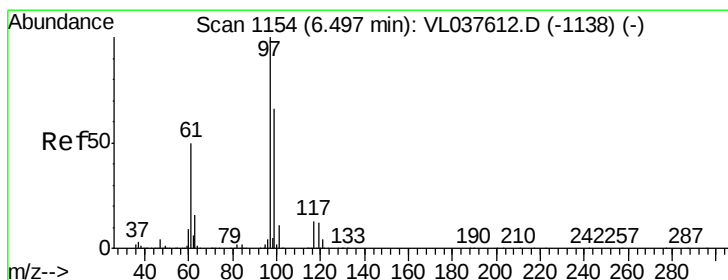
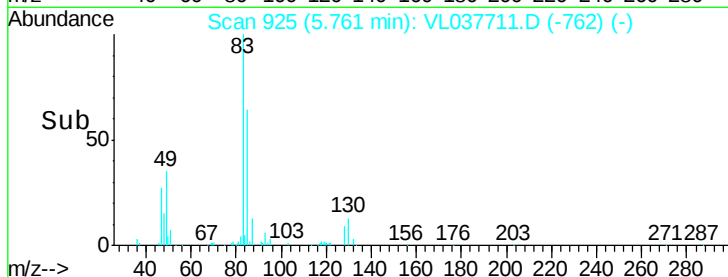
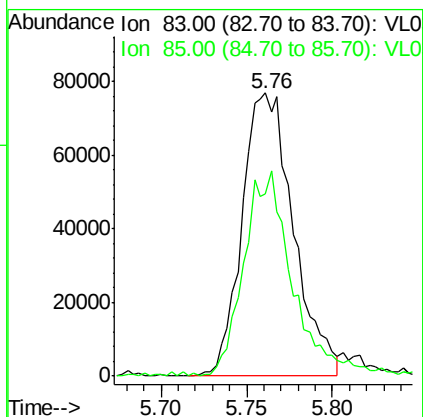
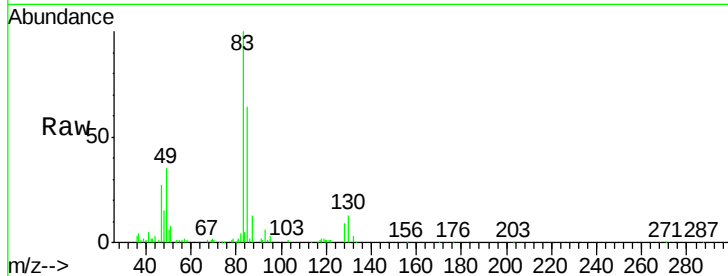


#29
Chloroform
Concen: 0.650 ppbv m
RT: 5.76
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 28 Sep 2021 20:40

Tgt Ion:
Ion Ratio
83 100
85 64.

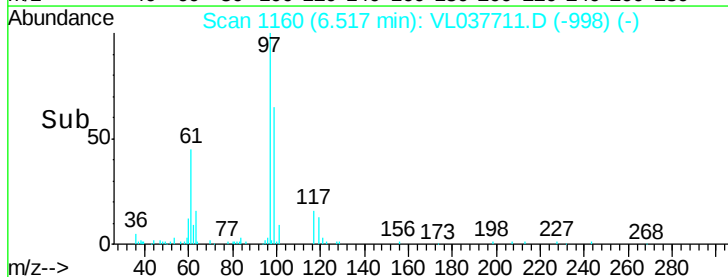
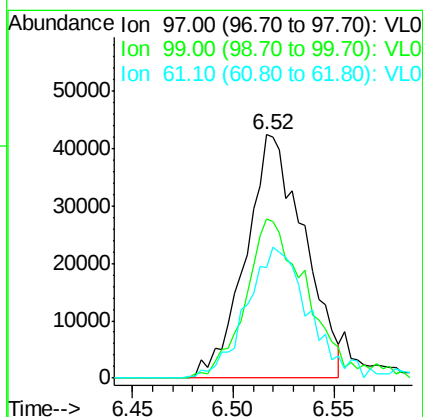
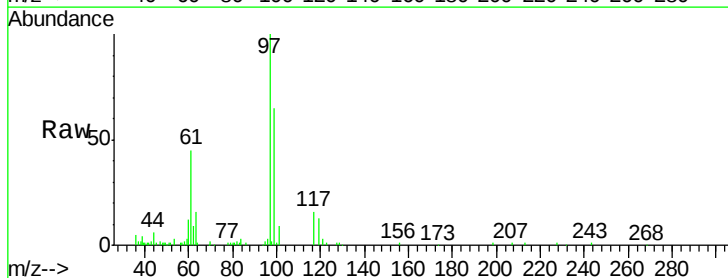
Manual Integrations
APPROVED

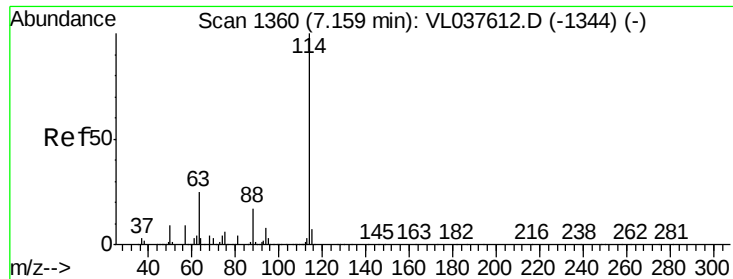
Reviewed By :Semsettin Yesilyurt 09/29/2021
Supervised By :Amit Patel 10/01/2021



#32
1,1,1-Trichloroethane
Concen: 0.372 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.02 min
Lab File: VL037711.D
Acq: 28 Sep 2021 20:40

Tgt Ion: 97 Resp: 85572
Ion Ratio Lower Upper
97 100
99 70.7 52.3 78.5
61 56.6 39.5 59.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Sep 2021 20:40

Tgt Ion: 1

Ion Ratio

114 100

63 24.

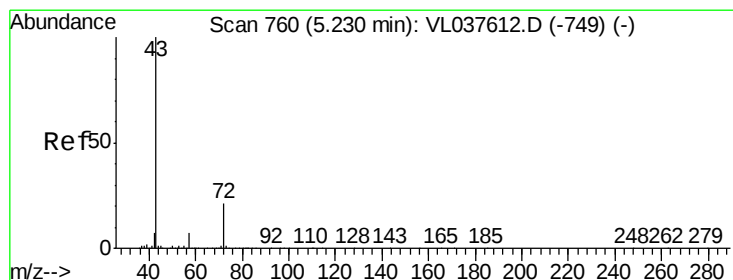
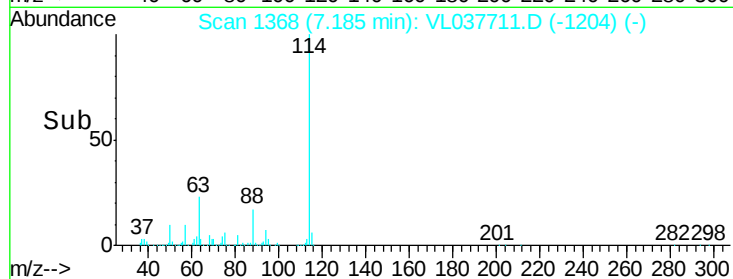
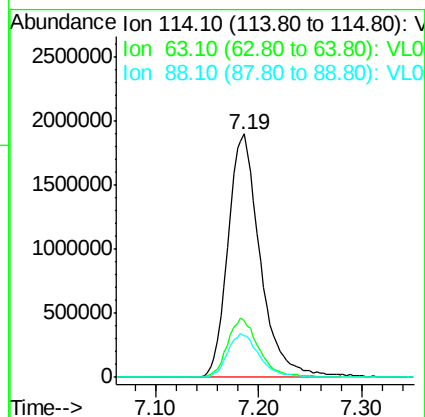
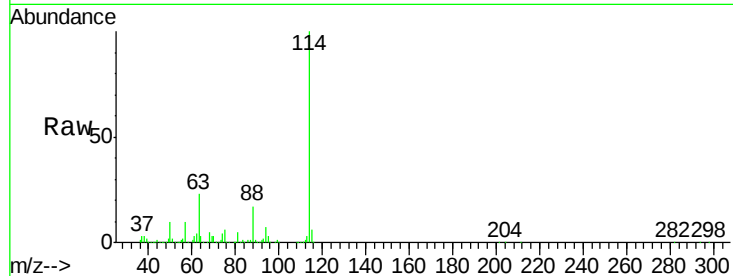
88 18.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/29/2021

Supervised By :Amit Patel 10/01/2021



#34

2-Butanone

Concen: 6.572 ppbv

RT: 5.25 min Scan# 766

Delta R.T. 0.02 min

Lab File: VL037711.D

Acq: 28 Sep 2021 20:40

Tgt Ion: 43 Resp: 1105502

Ion Ratio Lower Upper

43 100

72 24.9 18.4 27.6

