

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112321\
 Data File : VL038108.D
 Acq On : 23 Nov 2021 20:37
 Operator : SY/AP
 Sample : M4805-10
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 IA-EDIBLE-ARRANGEMENTS

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/25/2021
 Supervised By : Mahesh Dadoda 11/29/2021

Quant Time: Nov 24 08:32:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	738824	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2688057	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2325078	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1883000	11.23	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	39815	0.326	ppbv	95
4) Chloromethane	3.14	50	34143	0.646	ppbv	95
10) Heptane	8.11	43	105439m	0.747	ppbv	
11) Trichlorofluoromethane	3.95	101	149141	1.285	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.47	101	7804m	0.095	ppbv	
13) Ethanol	3.62	45	8632898	1563.360	ppbv	90
15) Acetone	3.84	43	2754420	42.999	ppbv	94
19) Isopropyl Alcohol	3.98	45	4338995	93.748	ppbv #	99
20) Methylene Chloride	4.34	84	236530	6.592	ppbv	97
25) Ethyl Acetate	5.66	43	14620044	68.672	ppbv #	80
29) Chloroform	5.75	83	1033224	6.832	ppbv	96
30) Cyclohexane	7.12	84	36516m	0.392	ppbv	
34) 2-Butanone	5.24	43	96238m	0.888	ppbv	
35) Carbon Tetrachloride	7.01	117	12817m	0.068	ppbv	
36) Benzene	6.88	78	240280	0.896	ppbv	99
44) 2,2,4-Trimethylpentane	7.86	57	225747	0.503	ppbv	92
52) Tetrachloroethene	11.21	164	40080	0.404	ppbv	91
53) Toluene	9.79	91	500116	1.621	ppbv	98
58) Ethyl Benzene	12.70	91	123611	0.322	ppbv	89
59) m/p-Xylene	12.95	91	360988m	1.116	ppbv	
60) o-Xylene	13.67	91	130481	0.435	ppbv	94
61) Styrene	13.51	104	31801m	0.198	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	67298	0.206	ppbv #	71

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

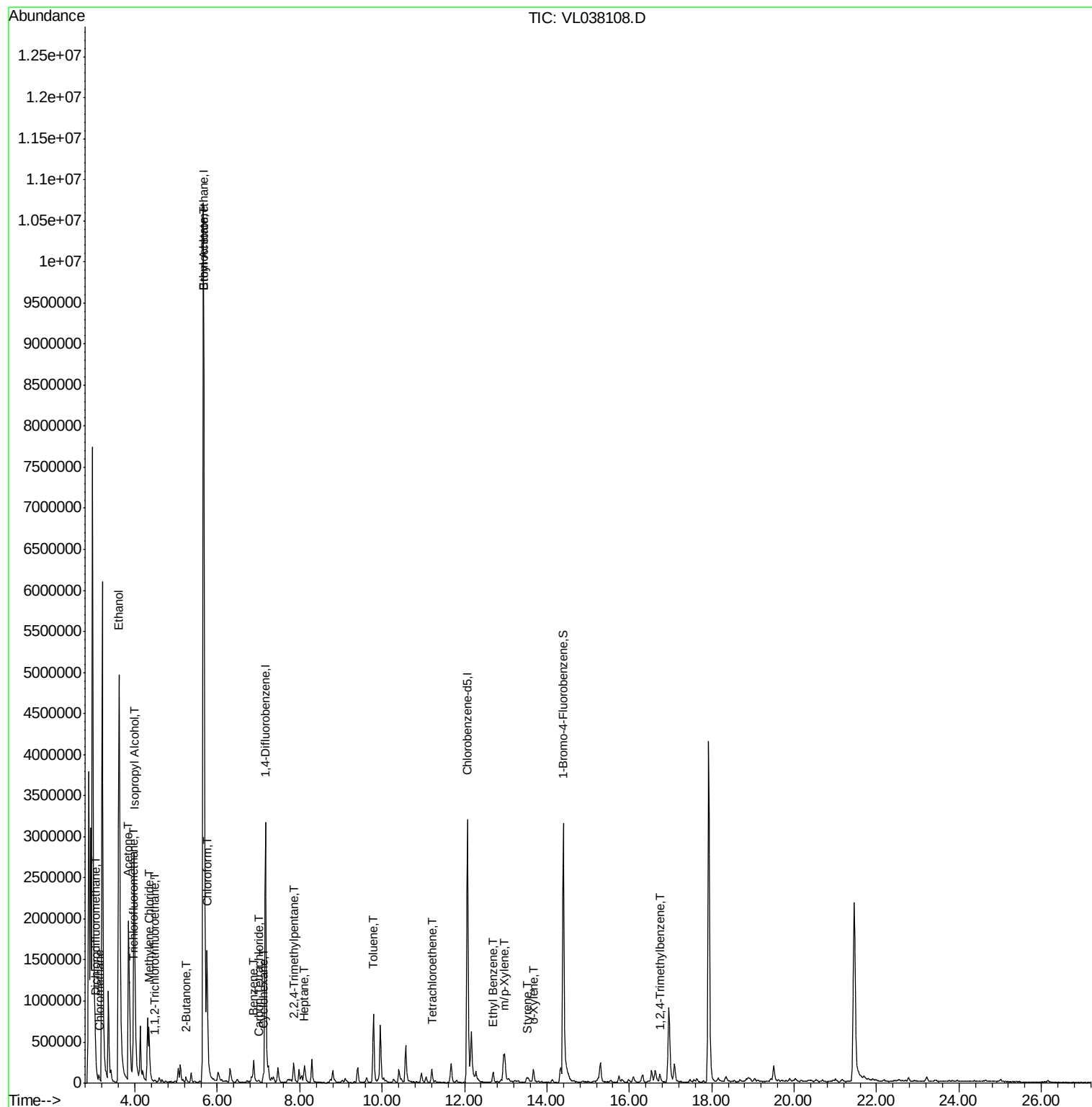
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112321\
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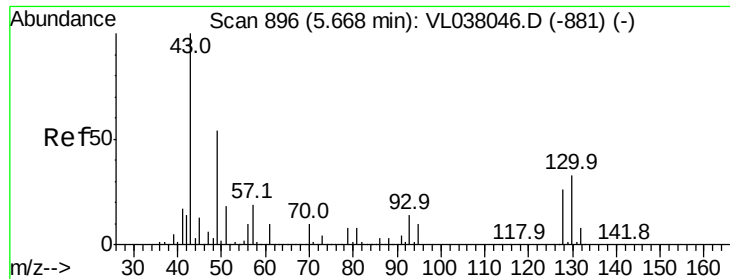
Instrument :
MSVOA_L
ClientSampleId :
IA-EDIBLE-ARRANGEMENTS

Quant Time: Nov 24 08:32:11 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu Nov 18 13:16:09 2021
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Supervised By :Mahesh Dadoda 11/29/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Nov 2021 20:37

Tot Ion:

Ion Ratio

49 100

128 50.

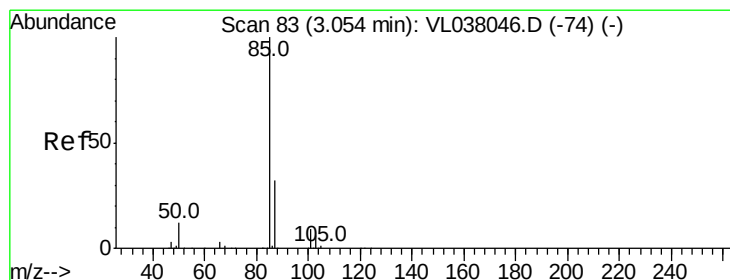
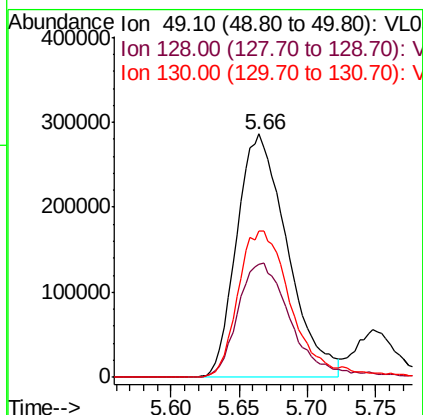
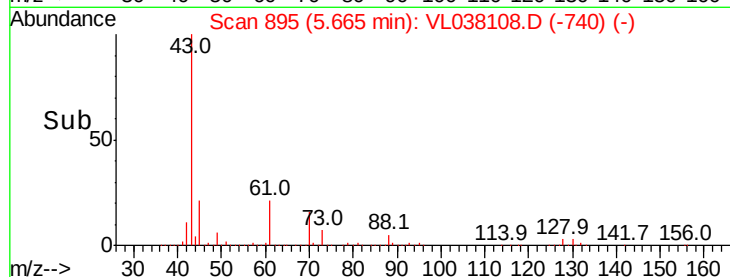
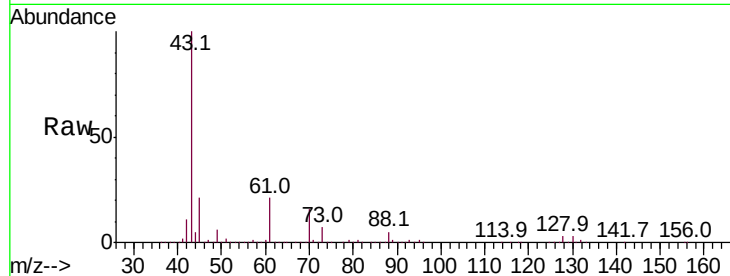
130 64.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/29/2021



#2

Dichlorodifluoromethane

Concen: 0.326 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL038108.D

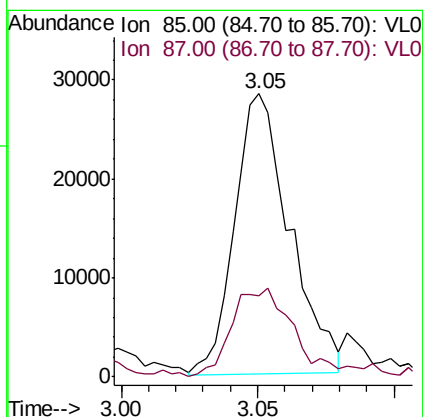
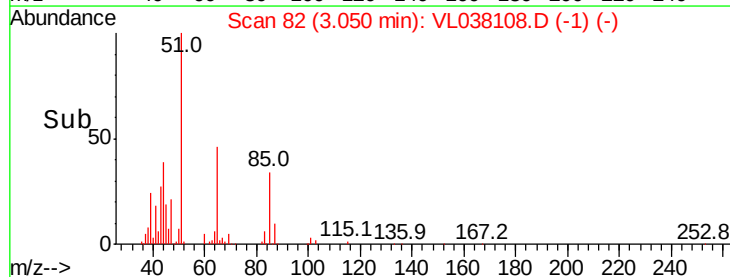
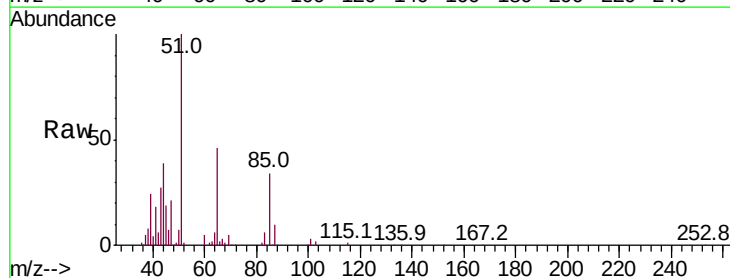
Acq: 23 Nov 2021 20:37

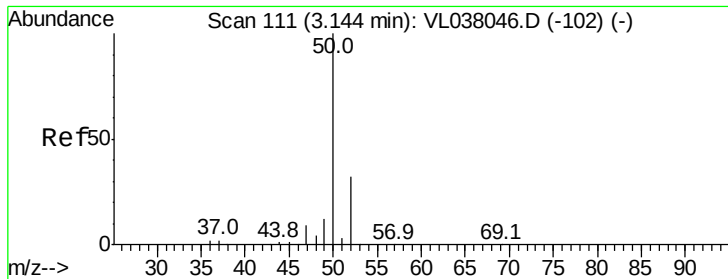
Tgt Ion: 85 Resp: 39815

Ion Ratio Lower Upper

85 100

87 29.2 25.8 38.6





#4

Chloromethane

Concen: 0.646 ppbv

RT: 3.14 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-EDIBLE-ARRANGEMENTS

Acq: 23 Nov 2021 20:37

Tot Ion:

Ion Ratio

50 100

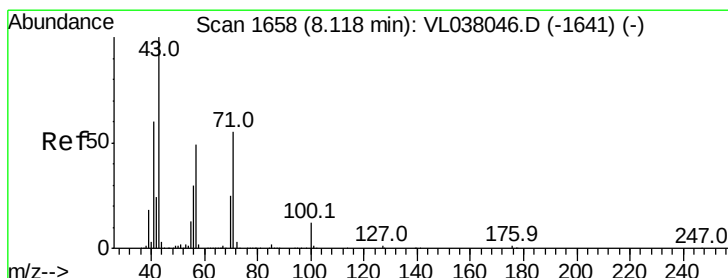
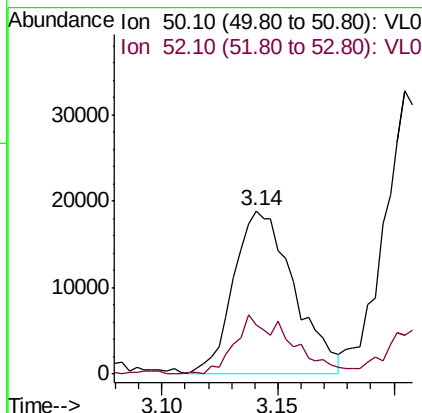
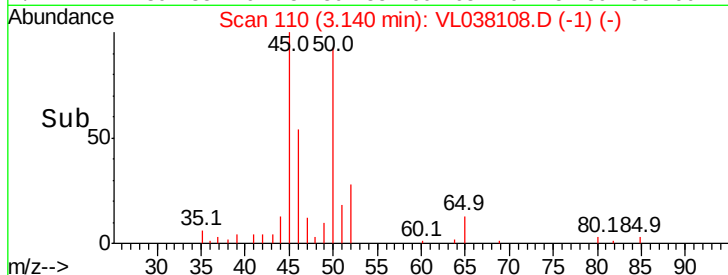
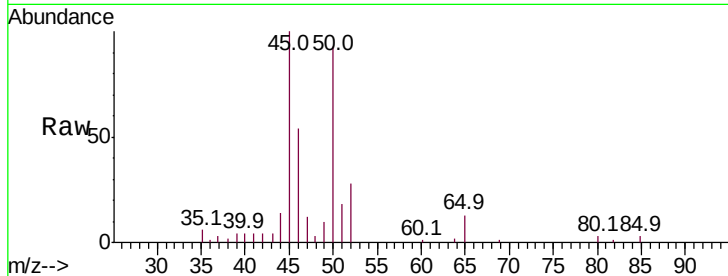
52 29.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/29/2021



#10

Heptane

Concen: 0.747 ppbv m

RT: 8.11 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VL038108.D

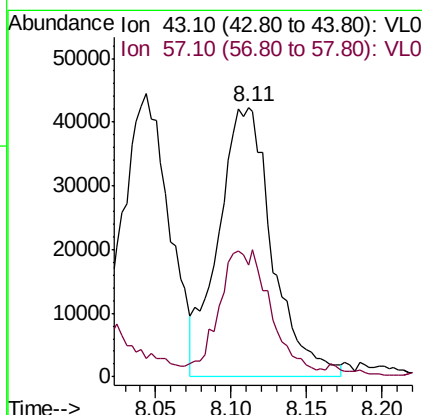
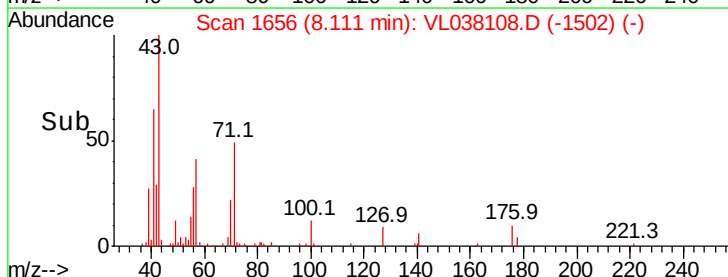
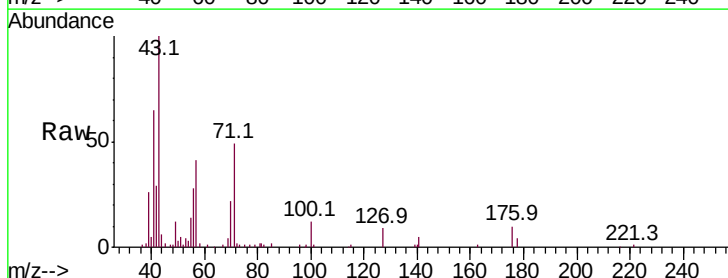
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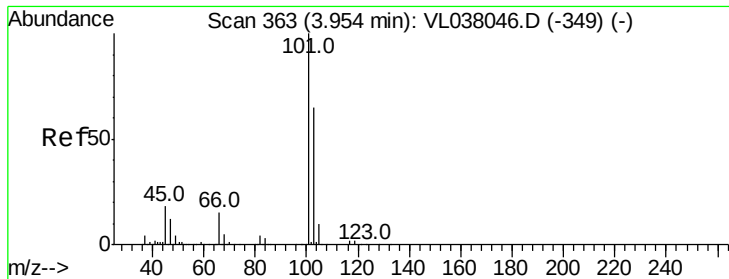
Tgt Ion: 43 Resp: 105439

Ion Ratio Lower Upper

43 100

57 46.1 40.4 60.6



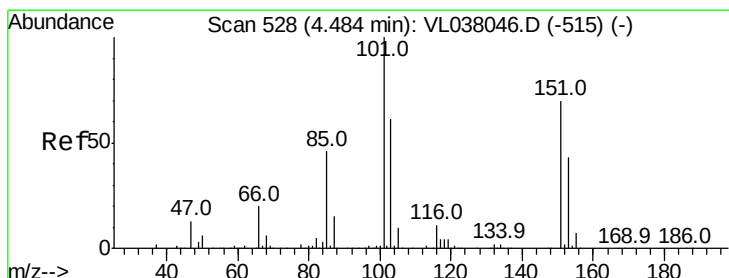
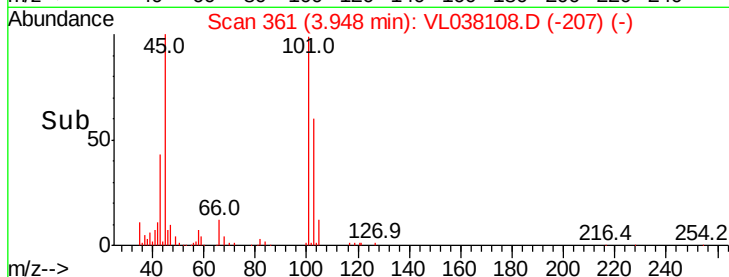
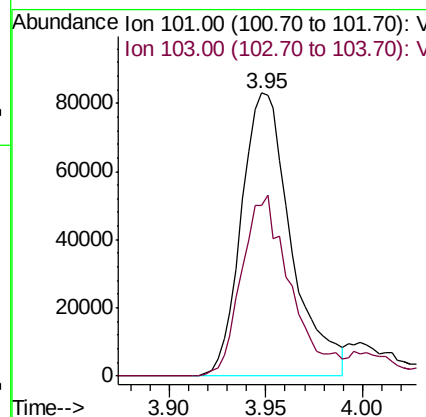
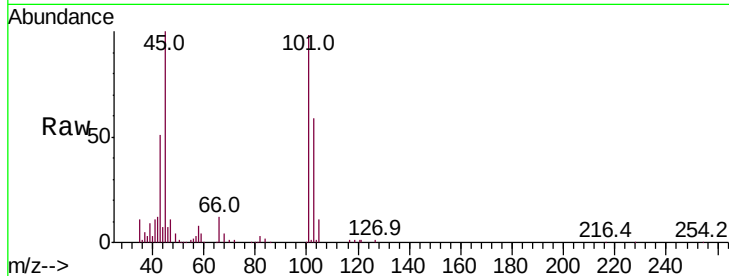


#11
 Trichlorofluoromethane
 Concen: 1.285 ppbv
 RT: 3.95 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 23 Nov 2021 20:37

Tot Ion:1
 Ion Rati
 101 100
 103 60.

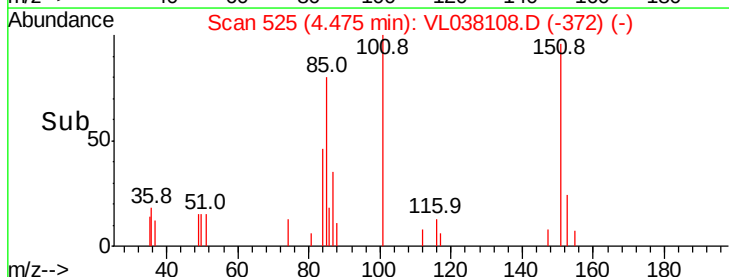
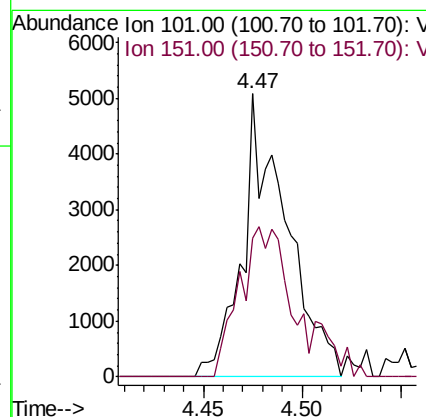
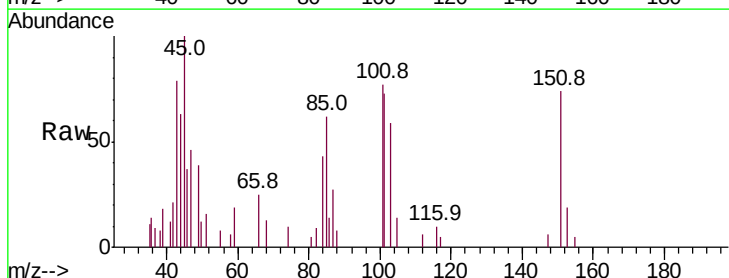
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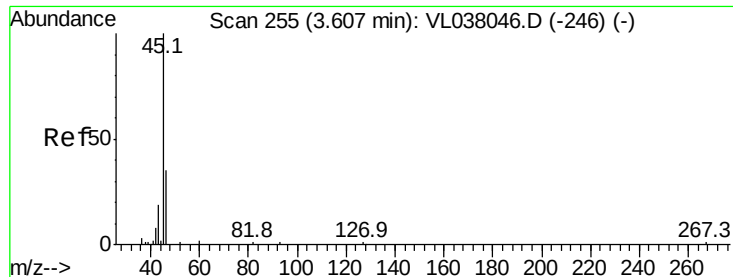
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.095 ppbv m
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL038108.D
 Acq: 23 Nov 2021 20:37

Tgt Ion:101 Resp: 7804
 Ion Ratio Lower Upper
 101 100
 151 0.0 59.0 88.4#





#13

Ethanol

Concen: 1563.360 ppbv

RT: 3.62

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Nov 2021 20:37

Manual Integrations

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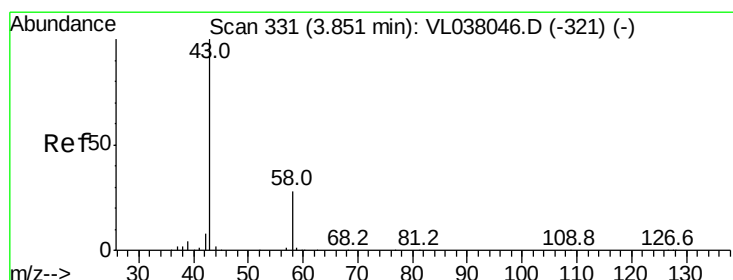
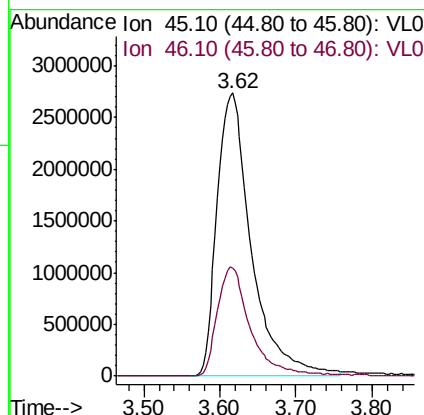
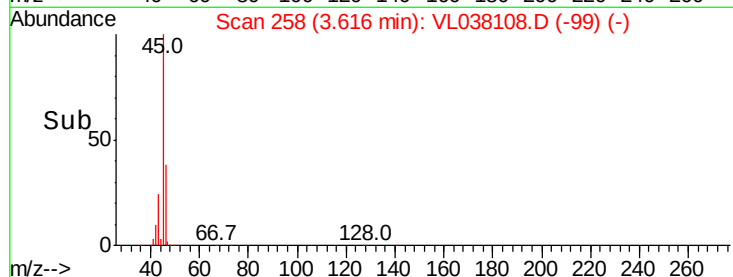
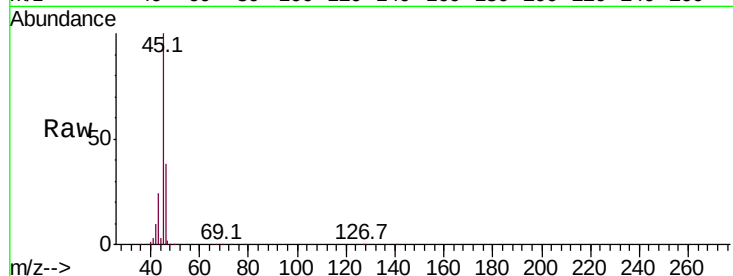
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021

Tot Ion:

Ion Ratio

45 100

46 37.



#15

Acetone

Concen: 42.999 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL038108.D

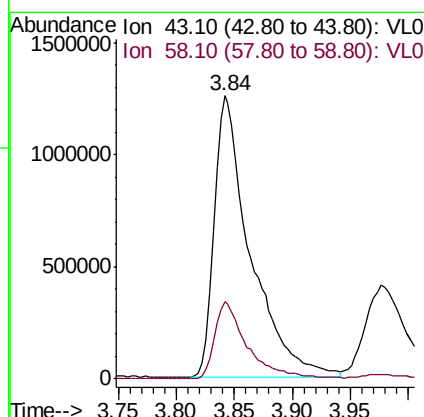
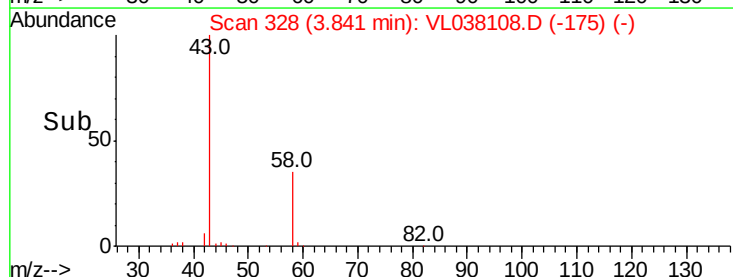
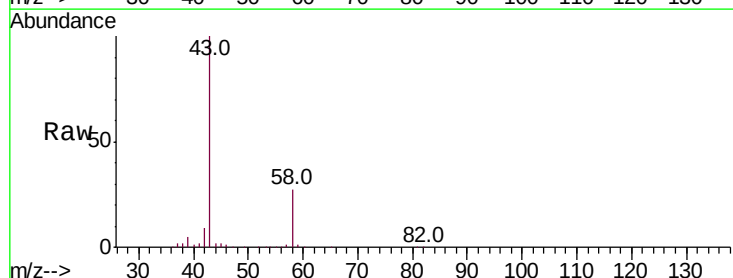
Acq: 23 Nov 2021 20:37

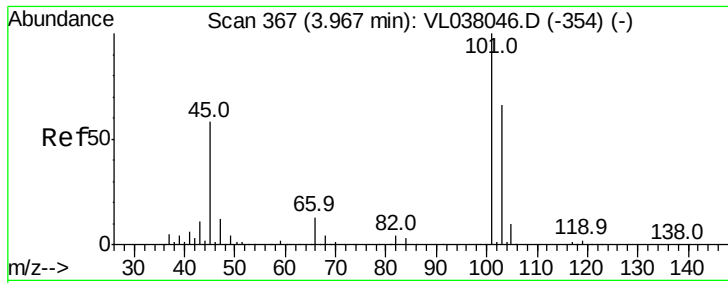
Tgt Ion: 43 Resp: 2754420

Ion Ratio Lower Upper

43 100

58 24.8 22.4 33.6





#19

Isopropyl Alcohol

Concen: 93.748 ppbv

RT: 3.98

Delta R.T. MSVOA_L

Lab File:

Acq: 23 Nov 2021 20:37

ClientSampleId :

IA-EDIBLE-ARRANGEMENTS

Tot Ion:

Ion Ratio

45 100

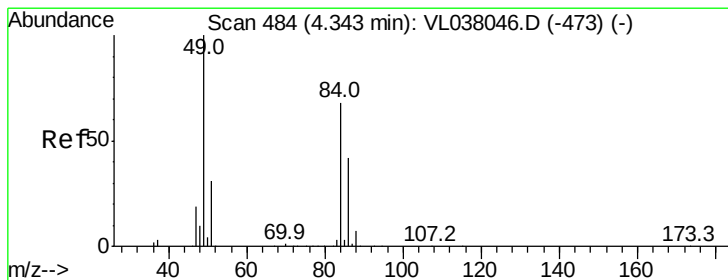
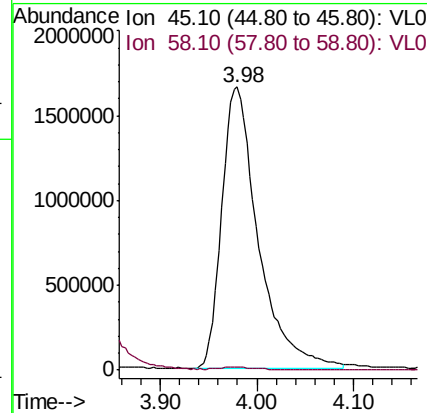
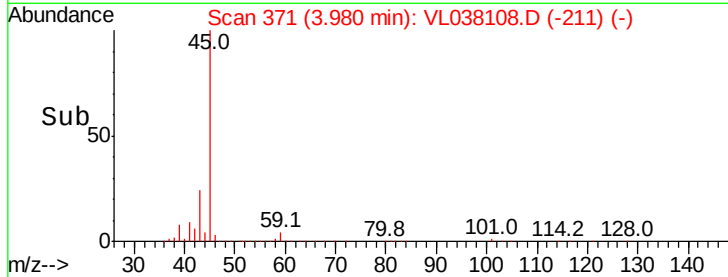
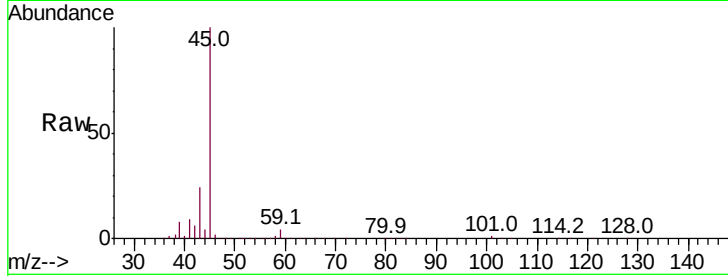
58 1.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#20

Methylene Chloride

Concen: 6.592 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL038108.D

Acq: 23 Nov 2021 20:37

Tgt Ion: 84 Resp: 236530

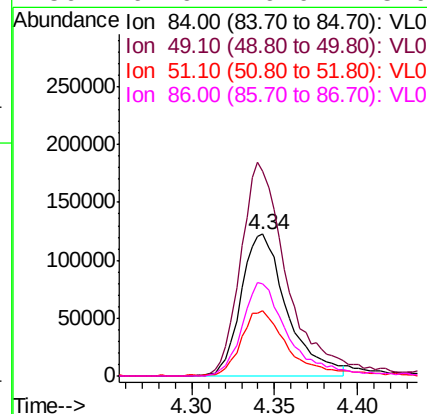
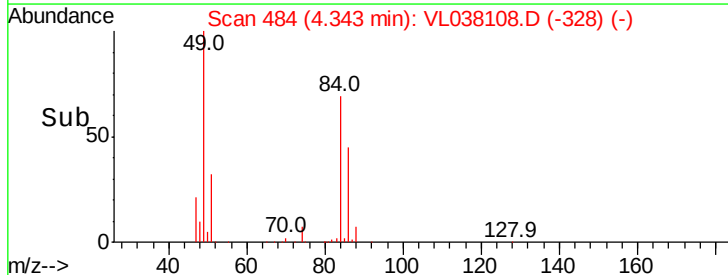
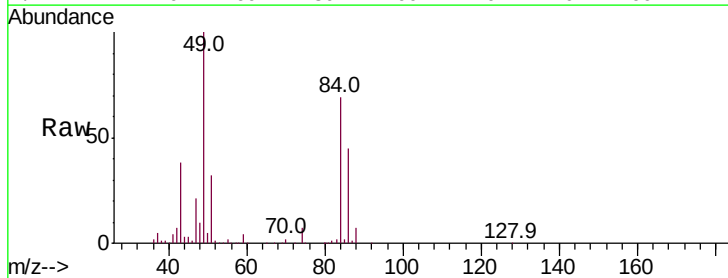
Ion Ratio Lower Upper

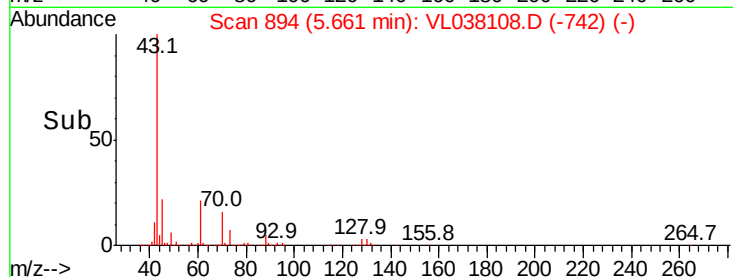
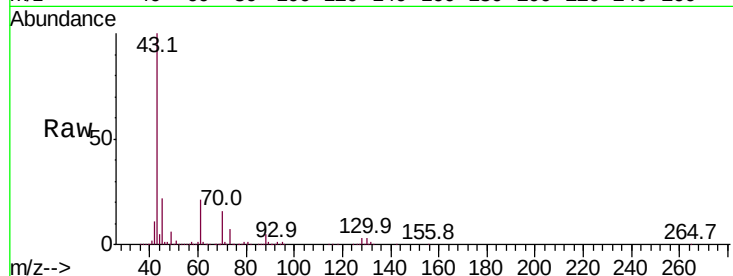
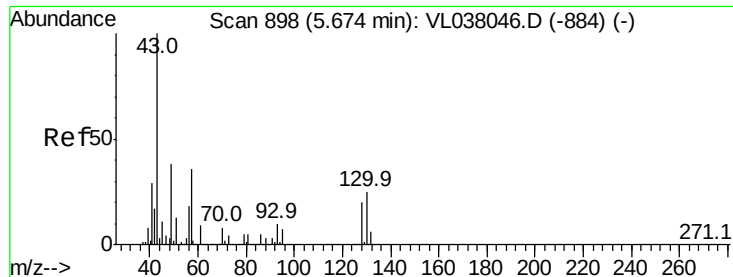
84 100

49 144.4 118.2 177.2

51 44.8 36.8 55.2

86 64.9 49.0 73.6



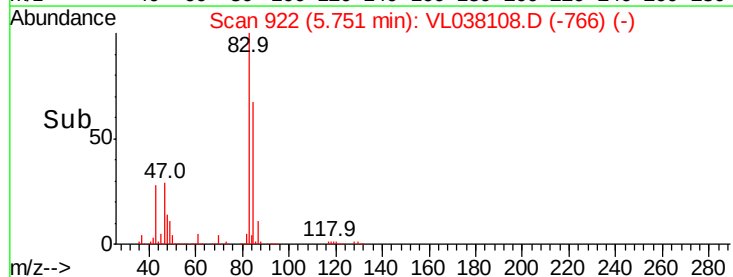
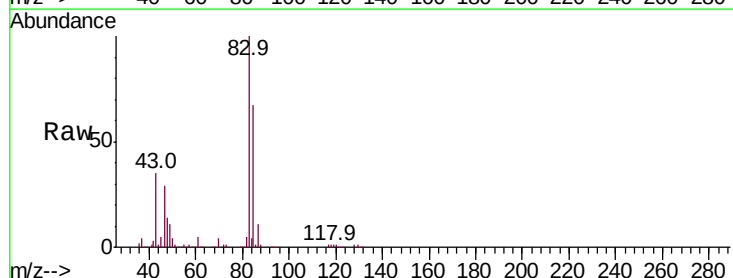
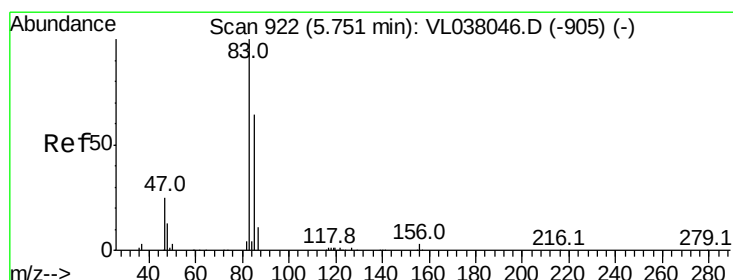
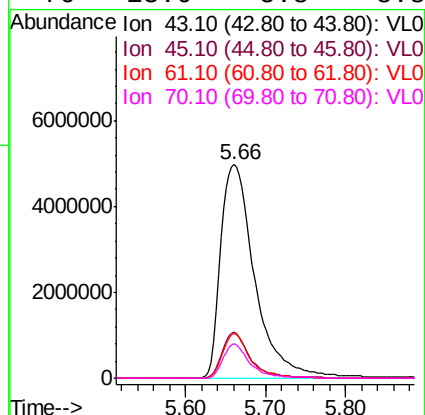


#25
Ethyl Acetate
Concen: 68.672 ppbv
RT: 5.66
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 23 Nov 2021 20:37

Tot Ion: 43.10 (42.80 to 43.80): VL0
Ion Ratio: 43 100
45 18.
61 17.
70 13.0 5.8 8.8#

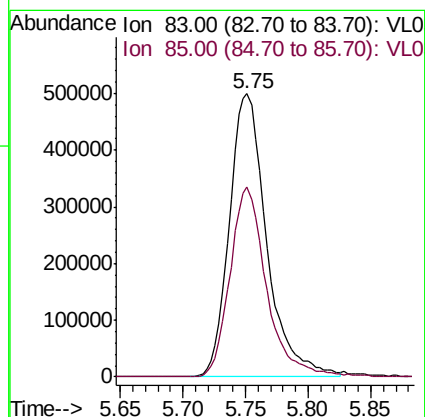
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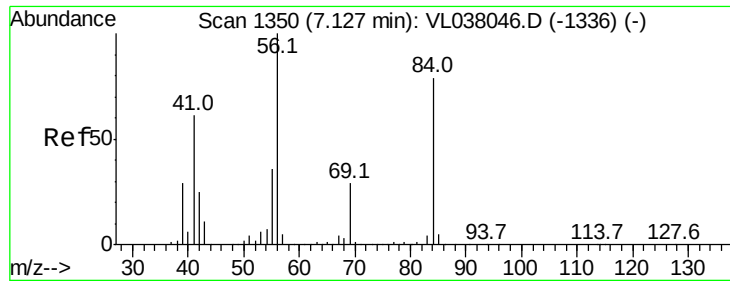
Reviewed By : Semsettin Yesilyurt 11/25/2021
Supervised By : Mahesh Dadoda 11/29/2021



#29
Chloroform
Concen: 6.832 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL038108.D
Acq: 23 Nov 2021 20:37

Tgt Ion: 83 Resp: 1033224
Ion Ratio Lower Upper
83 100
85 67.1 51.0 76.6



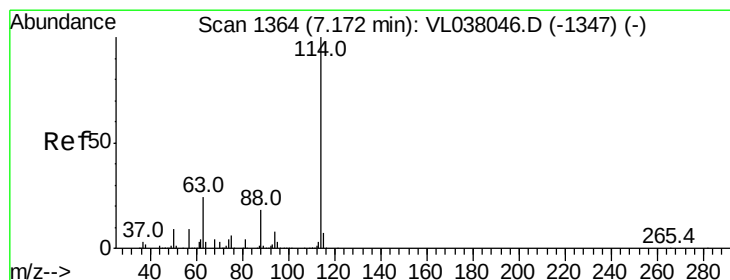
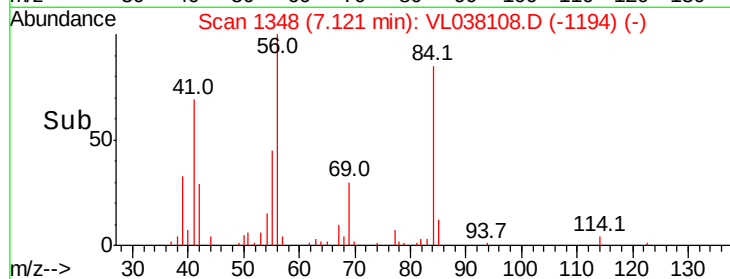
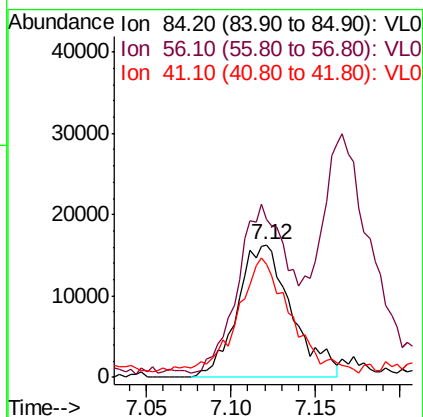
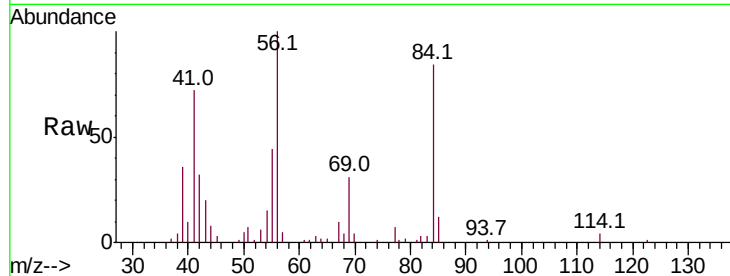


#30
Cyclohexane
Concen: 0.392 ppbv m
RT: 7.12
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 23 Nov 2021 20:37

Tot Ion:
Ion Ratio
84 100
56 123.
41 85.

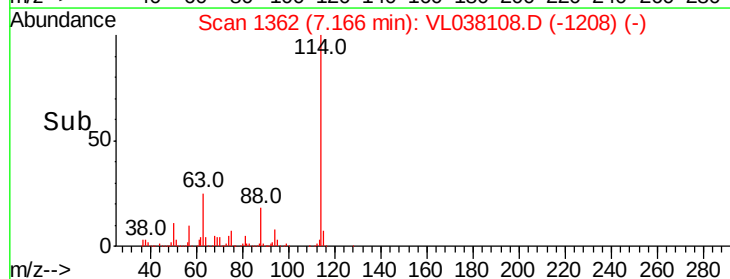
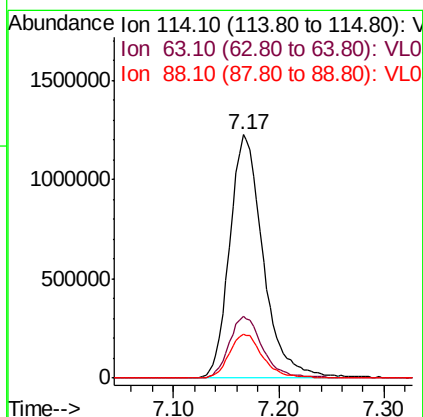
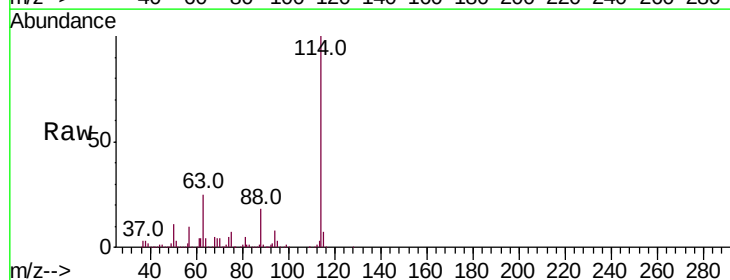
Manual Integrations
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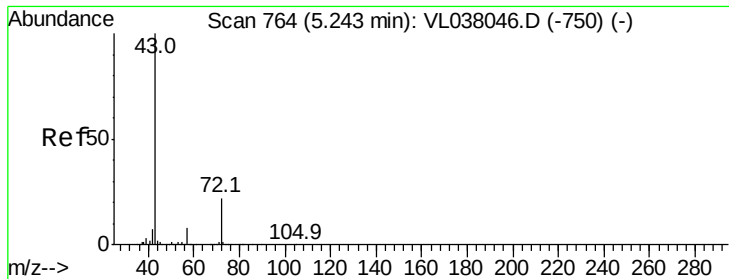
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VL038108.D
Acq: 23 Nov 2021 20:37

Tgt Ion:114 Resp: 2688057
Ion Ratio Lower Upper
114 100
63 25.8 19.7 29.5
88 18.4 14.4 21.6





#34

2-Butanone

Concen: 0.888 ppbv m

RT: 5.24 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Nov 2021 20:37 IA-EDIBLE-ARRANGEMENTS

Tot Ion:

Ion Ratio

43 100

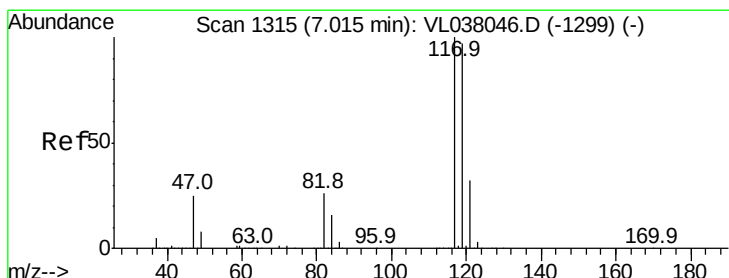
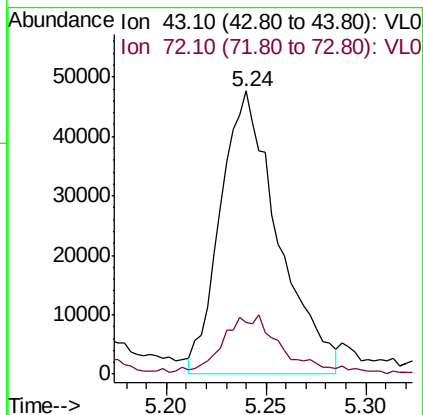
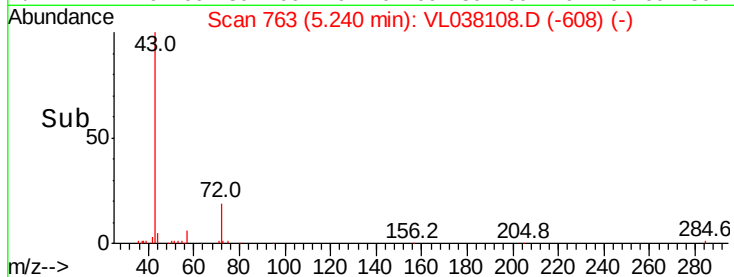
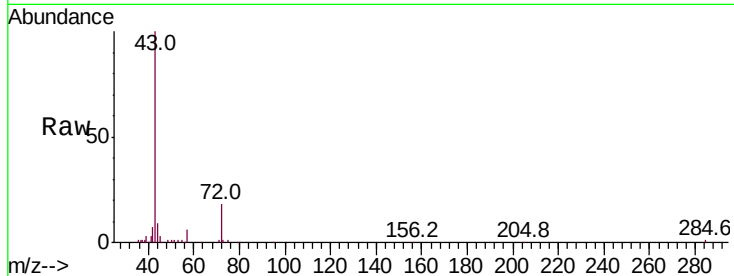
72 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#35

Carbon Tetrachloride

Concen: 0.068 ppbv m

RT: 7.01 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VL038108.D

Acq: 23 Nov 2021 20:37

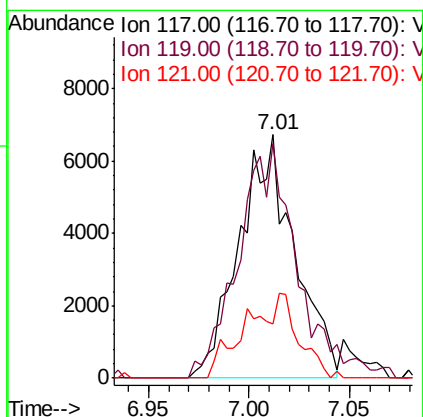
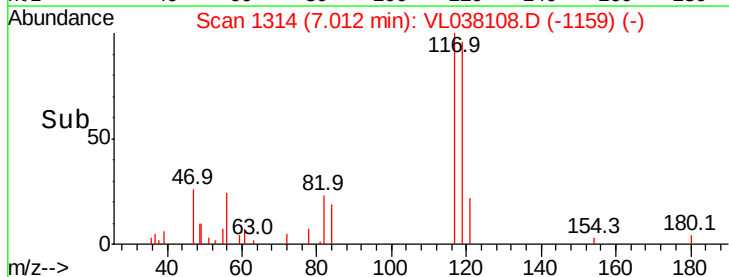
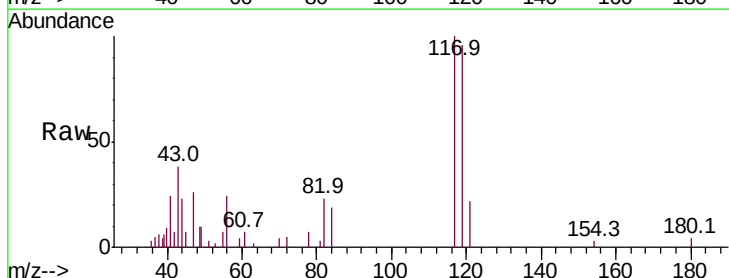
Tgt Ion:117 Resp: 12817

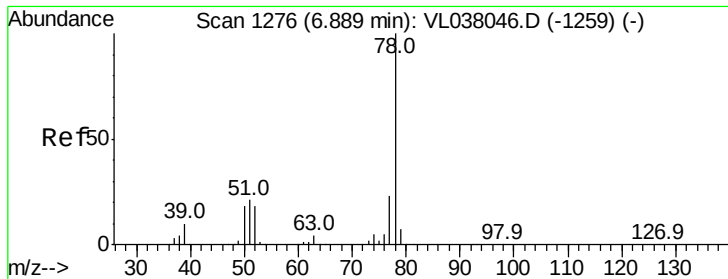
Ion Ratio Lower Upper

117 100

119 96.1 77.7 116.5

121 22.3 25.6 38.4#



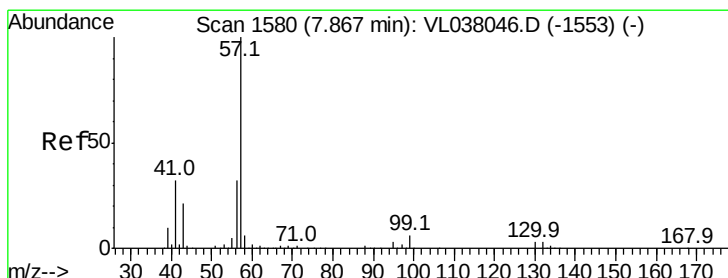
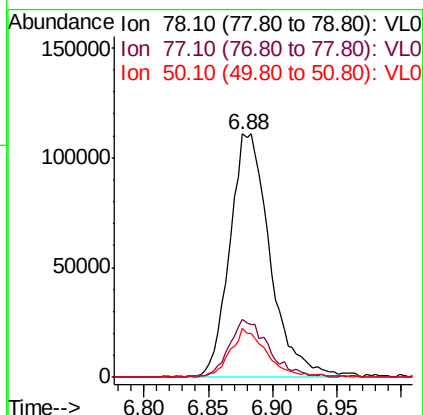
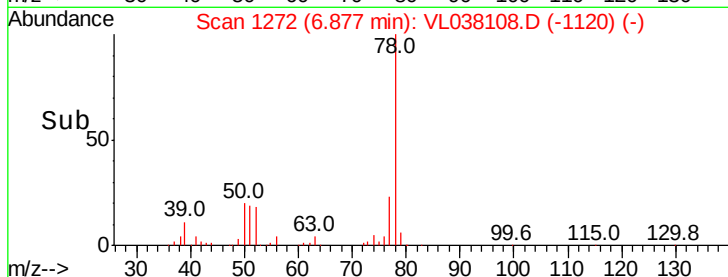
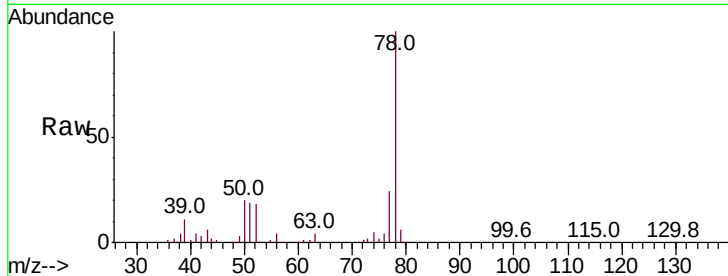


#36
Benzene
Concen: 0.896 ppbv
RT: 6.88
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 23 Nov 2021 20:37

Tot Ion:
Ion Ratio
78 100
77 23.
50 19.

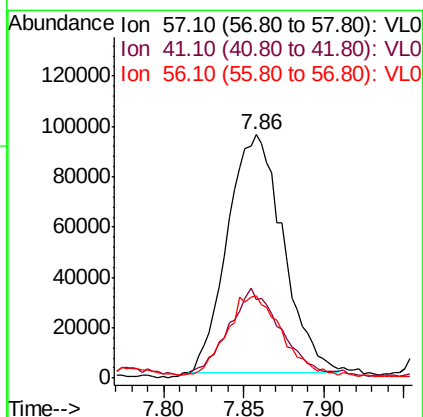
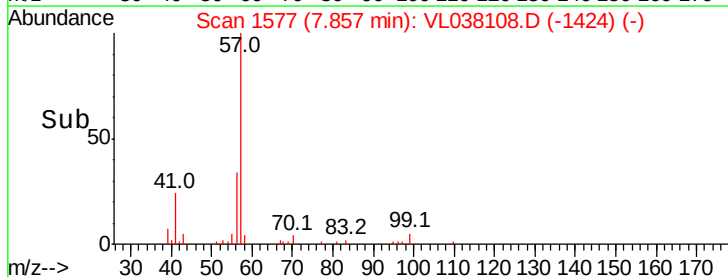
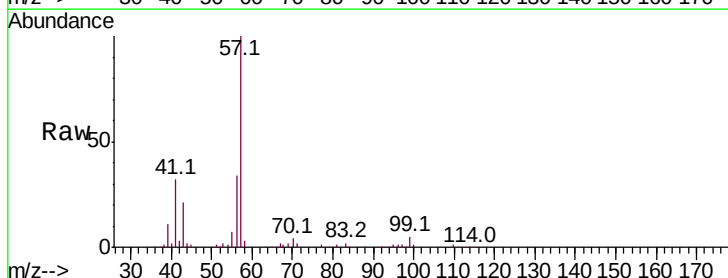
Manual Integrations
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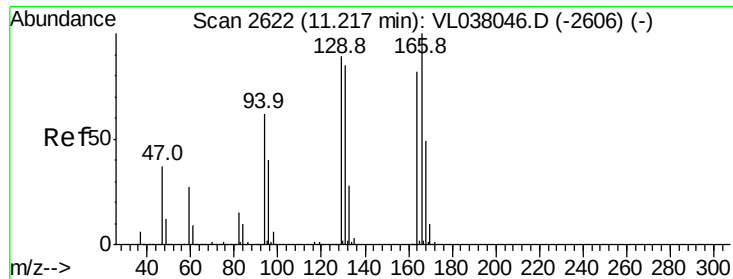
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#44
2,2,4-Trimethylpentane
Concen: 0.503 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.01 min
Lab File: VL038108.D
Acq: 23 Nov 2021 20:37

Tgt Ion: 57 Resp: 225747
Ion Ratio Lower Upper
57 100
41 36.8 25.8 38.6
56 35.9 25.6 38.4





#52

Tetrachloroethene

Concen: 0.404 ppbv

RT: 11.21

Delta R.T. MSVOA_L

Lab File:

Acq: 23 Nov 2021 20:37

Instrument :

ClientSampleId :

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Tot Ion:1

Ion Ratio

164 100

166 111.

129 91.

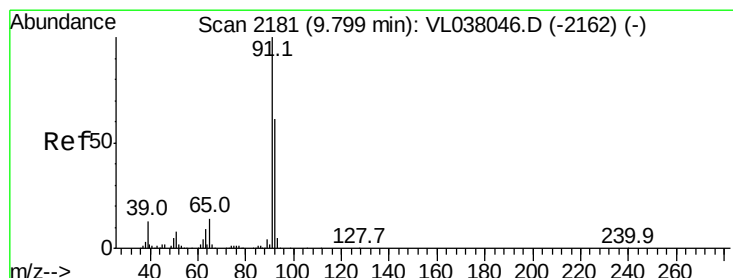
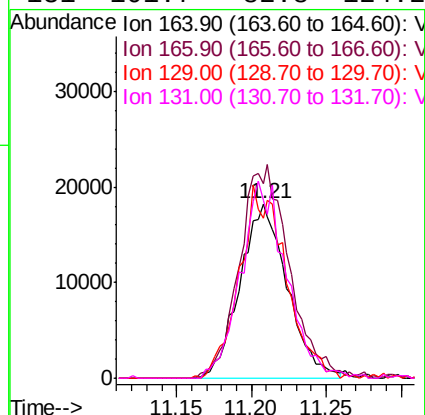
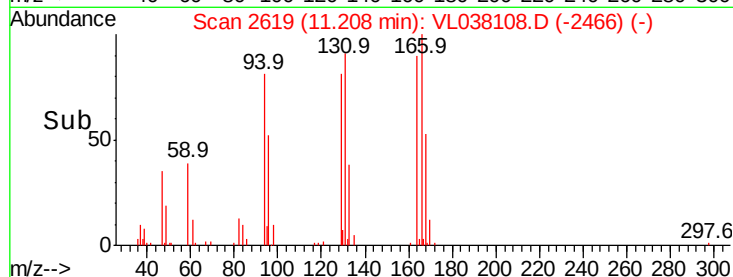
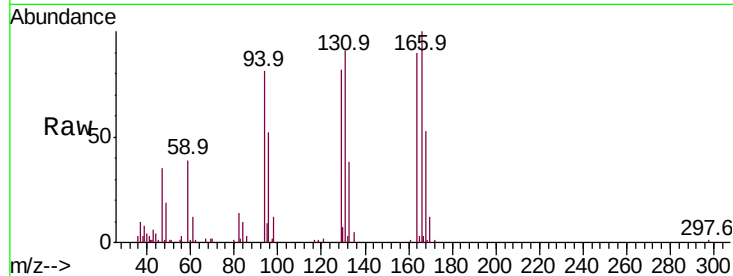
131 101.7

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#53

Toluene

Concen: 1.621 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.01 min

Lab File: VL038108.D

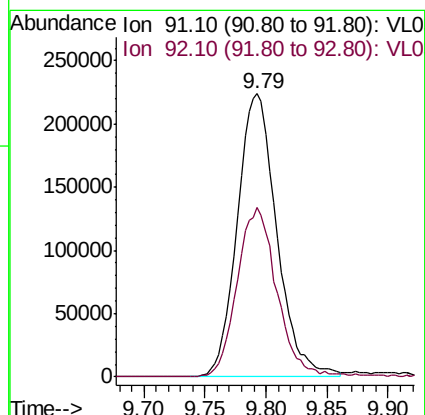
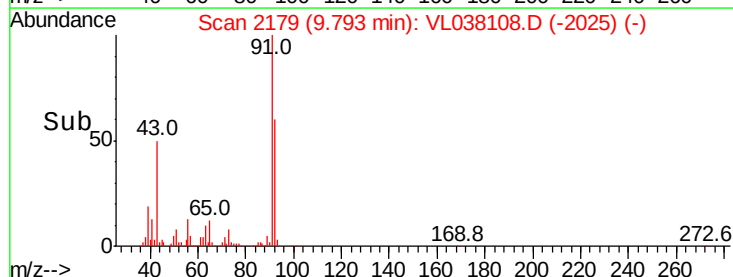
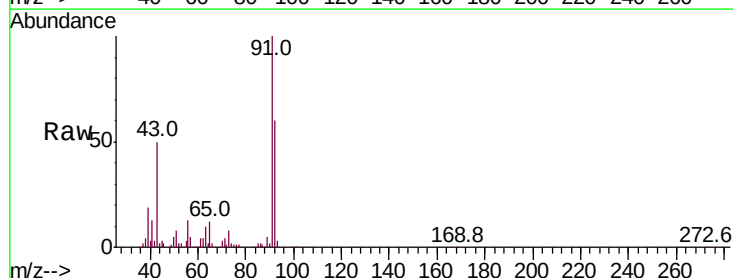
Acq: 23 Nov 2021 20:37

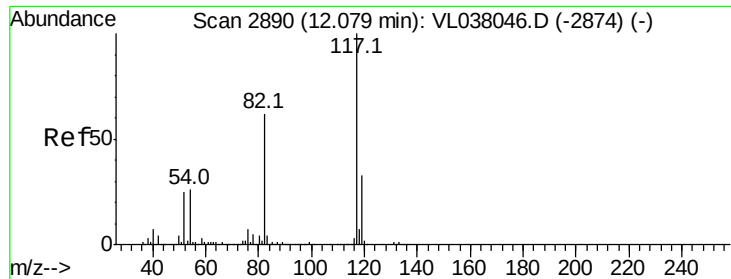
Tgt Ion: 91 Resp: 500116

Ion Ratio Lower Upper

91 100

92 60.7 49.7 74.5



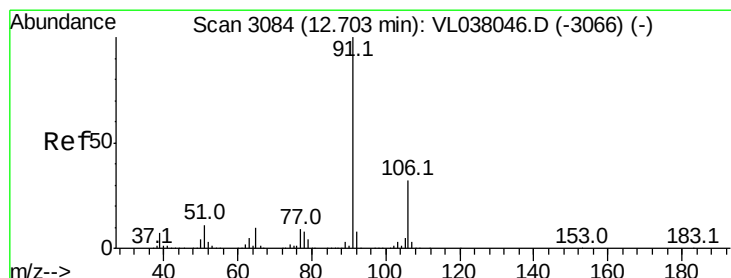
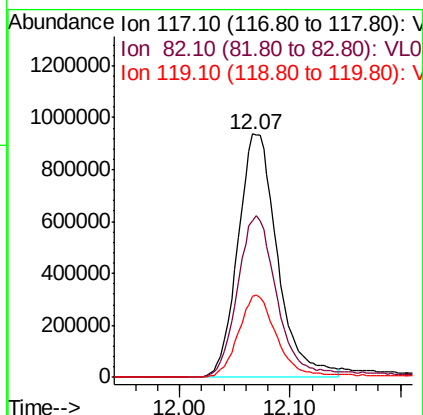
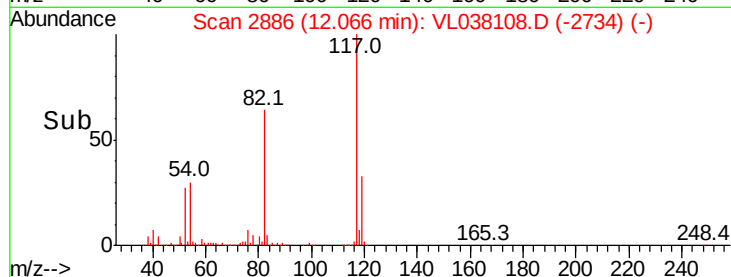
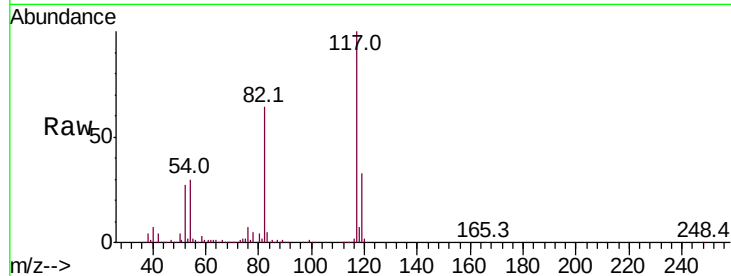


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 23 Nov 2021 20:37

Tot Ion: 1
Ion Ratio
117 100
82 70.
119 33.

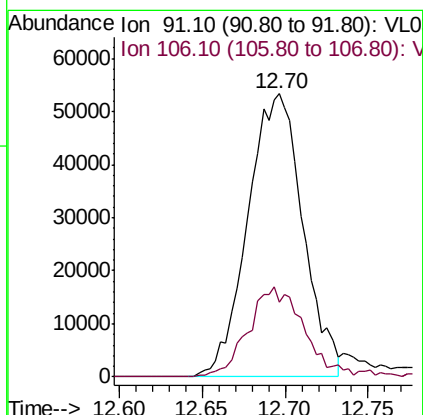
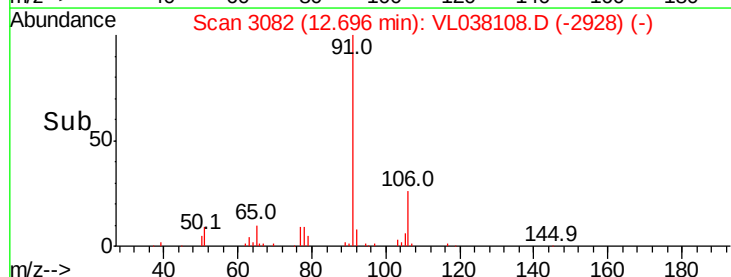
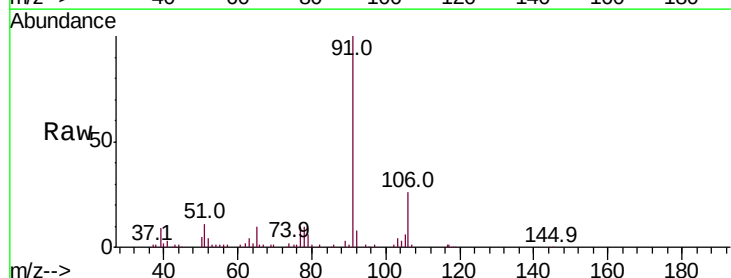
Manual Integrations
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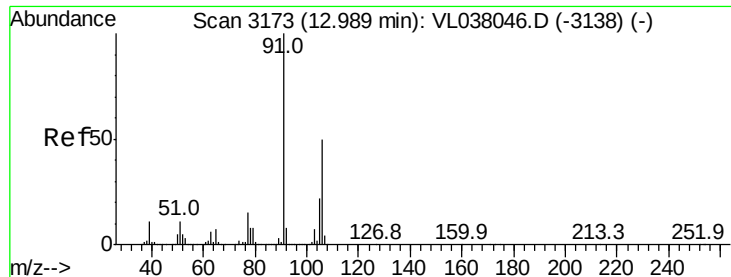
Reviewed By : Semsettin Yesilyurt 11/25/2021
Supervised By : Mahesh Dadoda 11/29/2021



#58
Ethyl Benzene
Concen: 0.322 ppbv
RT: 12.70 min Scan# 3082
Delta R.T.: -0.01 min
Lab File: VL038108.D
Acq: 23 Nov 2021 20:37

Tgt Ion: 91 Resp: 123611
Ion Ratio Lower Upper
91 100
106 26.2 25.8 38.6





#59

m/p-Xylene

Concen: 1.116 ppbv m

RT: 12.95

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Nov 2021 20:37

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

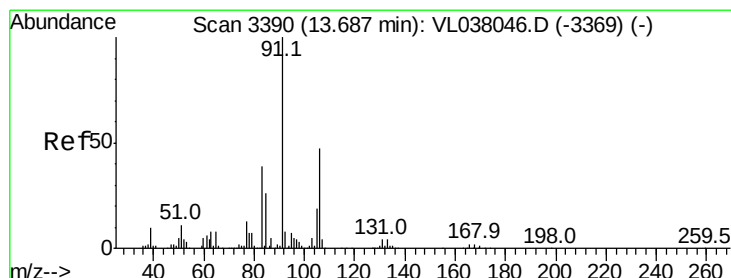
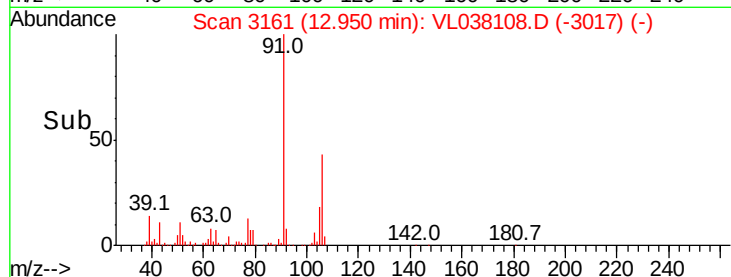
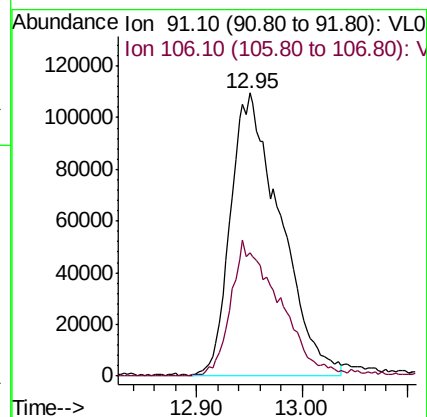
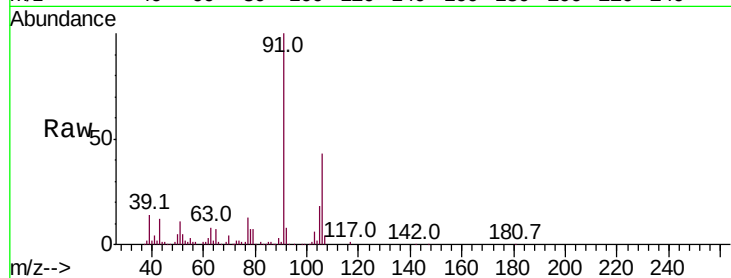
Supervised By :Mahesh Dadoda 11/29/2021

Tot Ion:

Ion Ratio

91 100

106 0.



#60

o-Xylene

Concen: 0.435 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. -0.01 min

Lab File: VL038108.D

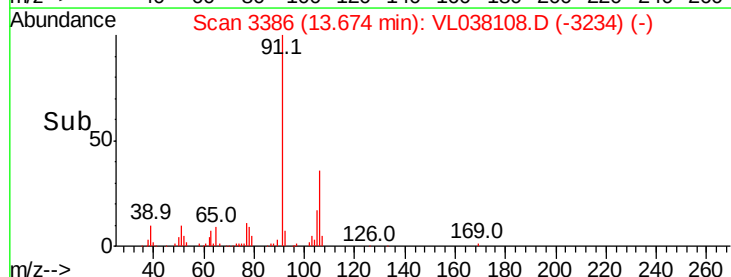
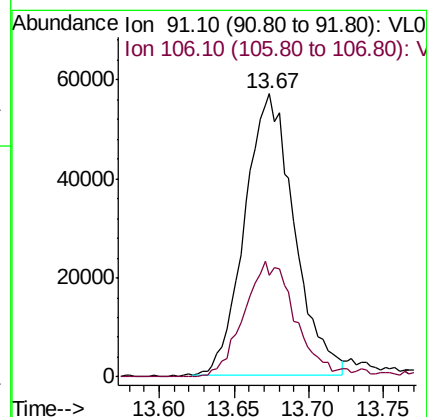
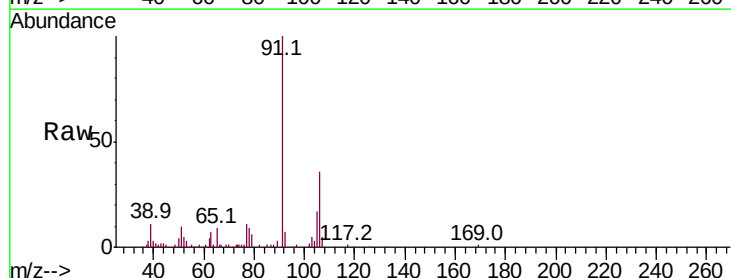
Acq: 23 Nov 2021 20:37

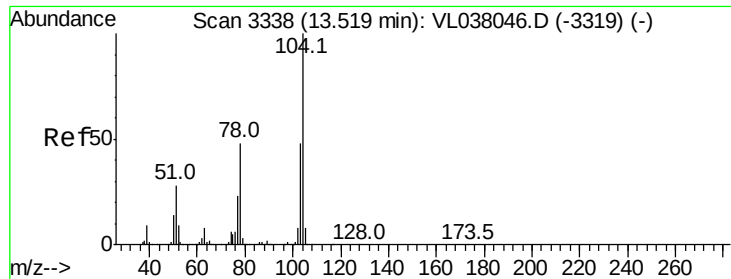
Tgt Ion: 91 Resp: 130481

Ion Ratio Lower Upper

91 100

106 44.1 24.2 72.6





#61

Stvrene

Concen: 0.198 ppbv m

RT: 13.51

Delta R.T.

Lab File:

Acq: 23 Nov 2021 20:37

Instrument : MSVOA_1
ClientSampleId : IA-EDIBLE-ARRANGEMENTS

Tot Ion:1

Ion Rati

104 100

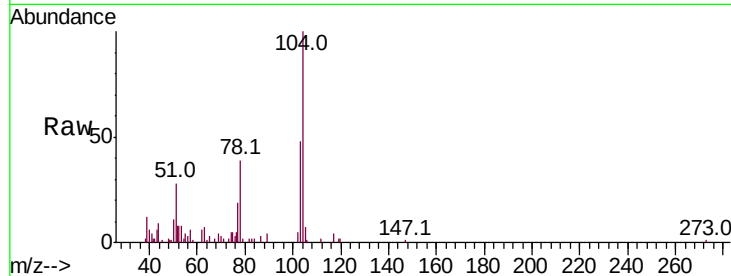
78 0.

103 47.

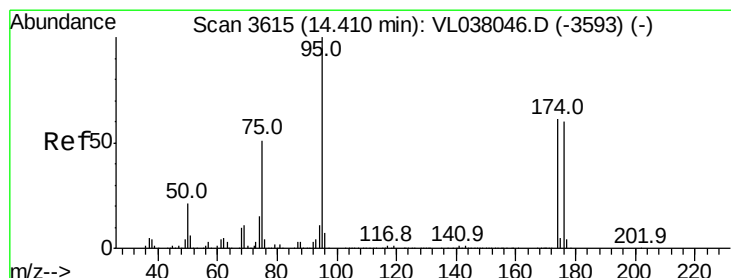
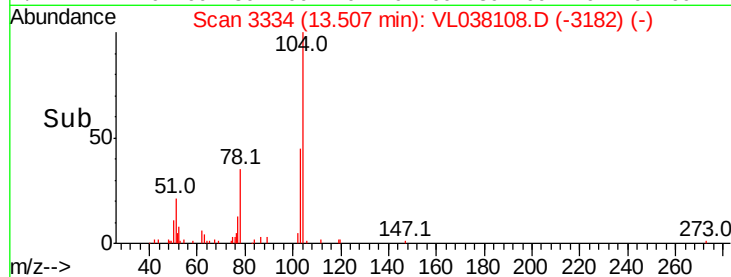
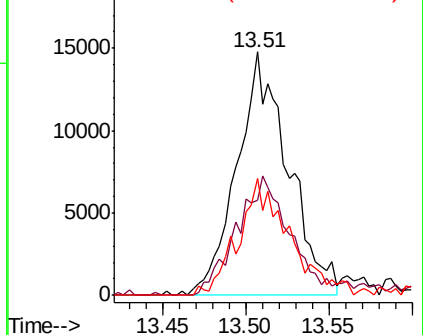
Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



Abundance Ion 104.10 (103.80 to 104.80): V
20000
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 11.228 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.01 min

Lab File: VL038108.D

Acq: 23 Nov 2021 20:37

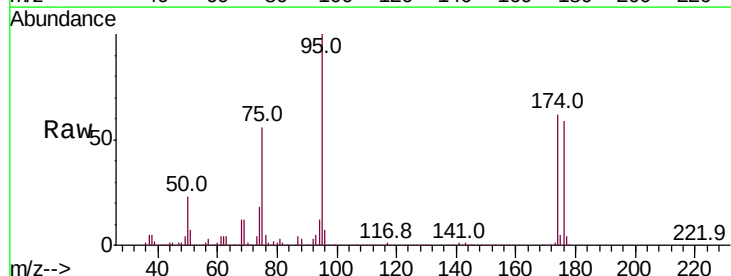
Tgt Ion: 95 Resp: 1883000

Ion Ratio Lower Upper

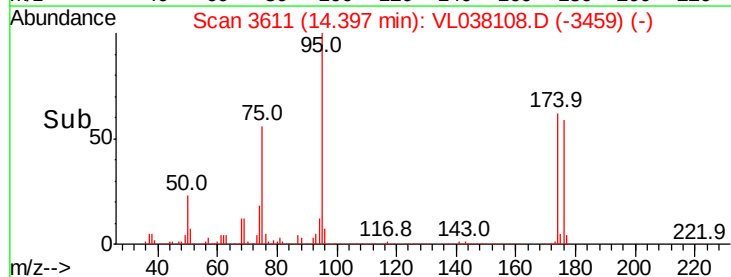
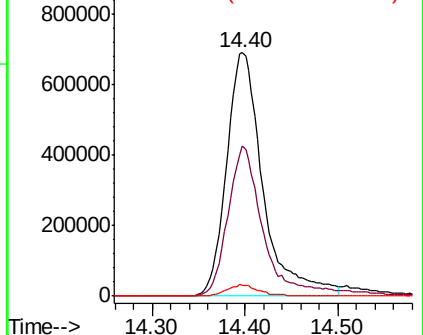
95 100

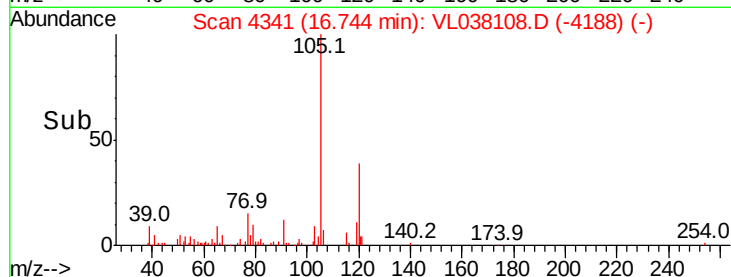
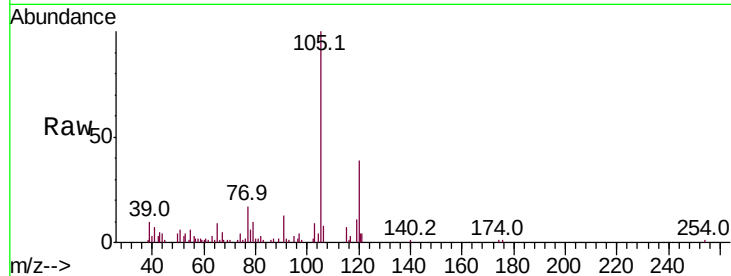
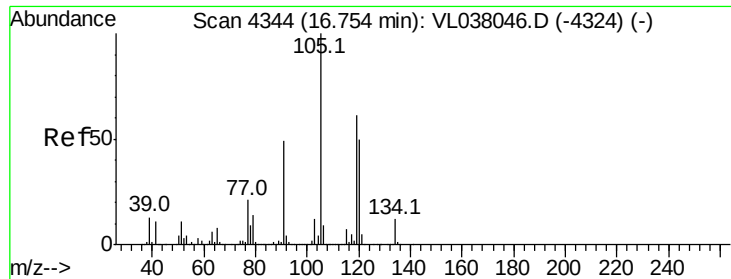
174 61.3 53.1 79.7

175 4.4 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0
800000
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V





#74

1,2,4-Trimethylbenzene

Concen: 0.206 ppbv

RT: 16.74

Delta R.T: MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Nov 2021 20:57

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021

Tot Ion:1

Ion Rati

105 100

120 42.

91 13.

77 15.2 16.6 25.0#

