

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038048.D
 Acq On : 18 Nov 2021 10:04
 Operator : SY/AP
 Sample : VSTDICC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Quant Time: Nov 18 10:46:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 10:39:10 2021
 Response via : Initial Calibration

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	930777	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2741755	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2480335	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1800688	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	180379	0.953	ppbv	96
3) Chlorodifluoromethane	3.00	51	212482	0.878	ppbv	98
4) Chloromethane	3.15	50	68615	0.797	ppbv	97
5) Vinyl Chloride	3.26	62	67444	0.816	ppbv	97
6) Bromomethane	3.48	94	35125	0.795	ppbv	97
7) Chloroethane	3.56	64	23578m	0.811	ppbv	
8) Dichlorotetrafluoroethane	3.19	85	174128	0.888	ppbv	99
9) Propene	3.02	41	73642	0.807	ppbv	91
10) Heptane	8.12	43	188367	0.839	ppbv	98
11) Trichlorofluoromethane	3.95	101	151269	0.809	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	109792	0.757	ppbv	99
13) Ethanol	3.62	45	8436m	1.043	ppbv	
14) Bromoethene	3.75	108	47435	0.782	ppbv	99
15) Acetone	3.87	43	92374m	0.844	ppbv	
16) 1,3-Butadiene	3.33	39	66182	0.817	ppbv	99
17) tert-Butyl alcohol	4.30	59	108280m	0.737	ppbv	
18) 1,1-Dichloroethene	4.29	96	51717m	0.773	ppbv	
19) Isopropyl Alcohol	3.99	45	67529m	0.843	ppbv	
20) Methylene Chloride	4.34	84	50680m	0.790	ppbv	
21) Allyl Chloride	4.41	41	80961m	0.739	ppbv	
22) trans-1,2-Dichloroethene	4.89	96	51072m	0.756	ppbv	
23) Vinyl Acetate	5.08	43	129631m	0.715	ppbv	
24) 1,1-Dichloroethane	5.01	63	103246	0.730	ppbv	# 97
25) Ethyl Acetate	5.68	43	286853	1.114	ppbv	99
26) Hexane	5.69	57	143691	1.111	ppbv	97
27) Carbon Disulfide	4.56	76	121193m	0.715	ppbv	
28) Methyl tert-Butyl Ether	5.04	73	113186	0.682	ppbv	97
29) Chloroform	5.75	83	203603	1.045	ppbv	99
30) Cyclohexane	7.13	84	127558m	0.876	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	128316	1.198	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	199195	0.806	ppbv	97
34) 2-Butanone	5.26	43	111063	1.228	ppbv	95
35) Carbon Tetrachloride	7.02	117	202519	1.069	ppbv	98
36) Benzene	6.89	78	298950	1.146	ppbv	97
37) 1,2-Dichloroethane	6.30	62	138153	1.141	ppbv	100
38) Trichloroethene	7.83	130	113817m	1.074	ppbv	
39) 1,2-Dichloropropane	7.61	63	109340	1.085	ppbv	98
40) 1,4-Dioxane	7.86	88	33026m	1.270	ppbv	
41) Tetrahydrofuran	6.07	42	72405m	1.116	ppbv	
42) Bromodichloromethane	7.79	83	219236	1.150	ppbv	98
43) Methyl Methacrylate	8.01	69	100438m	1.080	ppbv	

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Instrument :
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 ClientSampleId :
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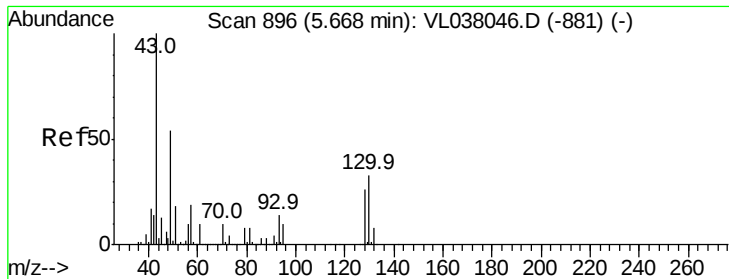
Manual Integrations
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 Supervised By : Mahesh Dadoda 11/29/2021

Quant Time: Nov 18 10:46:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	519228	1.159	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	71015m	0.922	ppbv	
46) cis-1,3-Dichloropropene	8.70	75	102510m	1.018	ppbv	
47) 1,1,2-Trichloroethane	9.47	97	119493	1.167	ppbv	96
48) Dibromochloromethane	10.30	129	175818	1.056	ppbv	98
49) Bromoform	13.03	173	129486	1.008	ppbv	97
50) 4-Methyl-2-Pentanone	8.75	43	178385m	1.094	ppbv	
51) 2-Hexanone	10.15	43	83356m	1.095	ppbv	
52) Tetrachloroethene	11.22	164	105504m	1.072	ppbv	
53) Toluene	9.80	91	345174	1.132	ppbv	99
54) 1,2-Dibromoethane	10.60	107	170575m	1.189	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.12	131	122810	1.134	ppbv #	1
57) Chlorobenzene	12.14	112	250123	1.230	ppbv	98
58) Ethyl Benzene	12.70	91	453050	1.203	ppbv	99
59) m/p-Xylene	12.99	91	790155m	2.524	ppbv	
60) o-Xylene	13.68	91	363526	1.251	ppbv	97
61) Styrene	13.52	104	191231m	1.180	ppbv	
62) Isopropylbenzene	14.66	105	515035	1.226	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	264184m	1.216	ppbv	
64) n-propylbenzene	15.55	120	123945	1.157	ppbv	80
65) tert-Butylbenzene	16.73	119	469134	1.273	ppbv	99
66) Benzyl Chloride	16.98	91	18946m	0.736	ppbv	
67) sec-Butylbenzene	17.29	105	636395	1.250	ppbv	100
69) p-Isopropyltoluene	17.64	119	496723	1.210	ppbv	99
70) n-Butylbenzene	18.54	91	478177	1.271	ppbv	99
71) 2-Chlorotoluene	15.45	91	381639	1.269	ppbv	99
72) 4-Ethyltoluene	15.83	105	411082	1.187	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	372654	1.176	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	405559	1.271	ppbv #	90
75) 1,3-Dichlorobenzene	16.99	146	216515m	1.230	ppbv	
76) 1,4-Dichlorobenzene	17.13	146	221223m	1.226	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	205061	1.214	ppbv	98
78) Hexachloro-1,3-Butadiene	23.36	225	140568m	1.283	ppbv	
79) Naphthalene	22.19	128	199521m	1.140	ppbv	
80) Naphthalene, 2-methyl-	24.97	142	35519m	1.075	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	117829m	1.190	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Nov 2021 10:04

Tot Ion:

Ion Ratio

49 100

128 52.

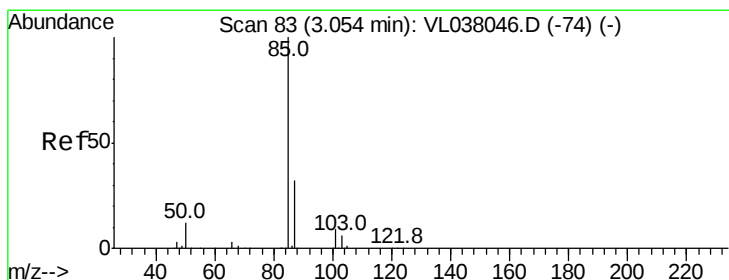
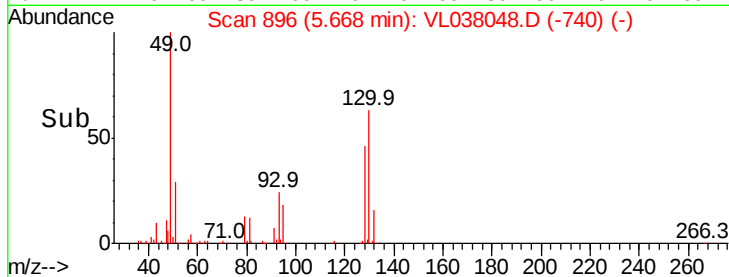
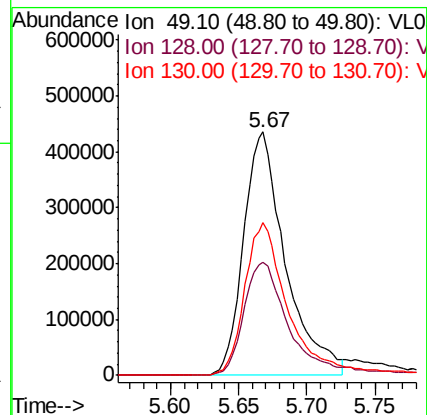
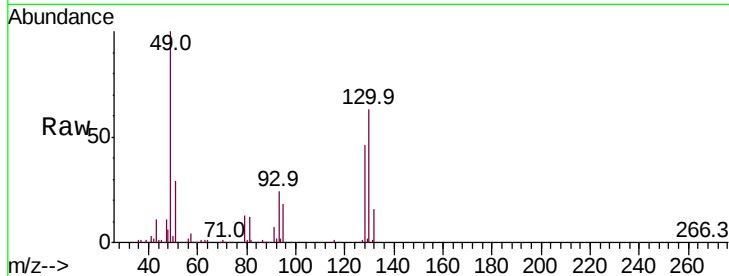
130 68.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#2

Dichlorodifluoromethane

Concen: 0.953 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL038048.D

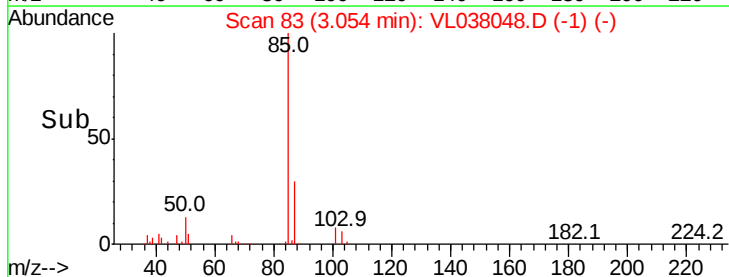
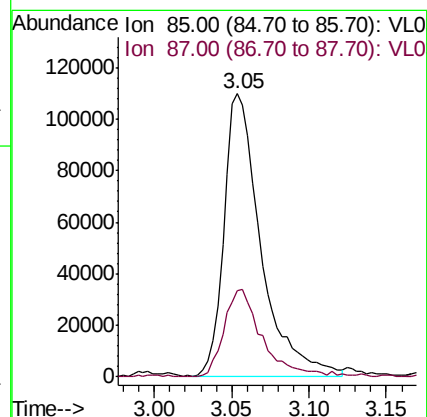
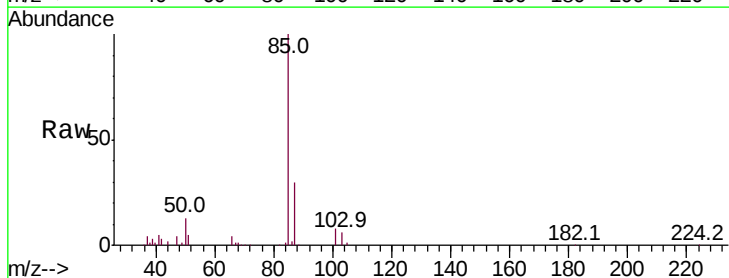
Acq: 18 Nov 2021 10:04

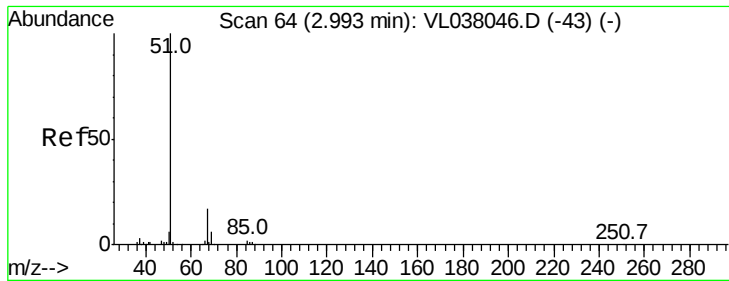
Tgt Ion: 85 Resp: 180379

Ion Ratio Lower Upper

85 100

87 30.1 25.8 38.6





#3

Chlorodifluoromethane

Concen: 0.878 ppbv

RT: 3.00 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Nov 2021 10:04

Tot Ion:

Ion Ratio

51 100

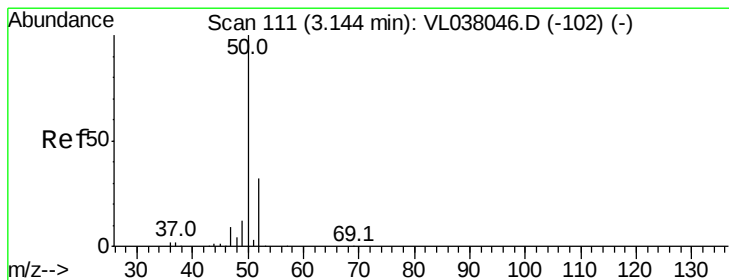
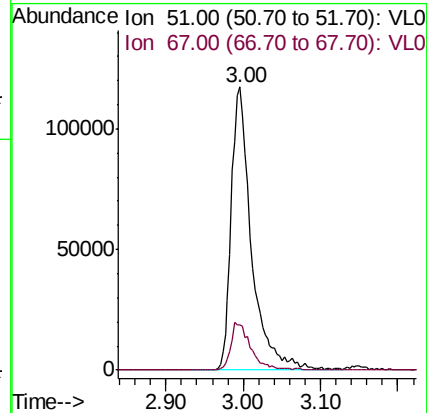
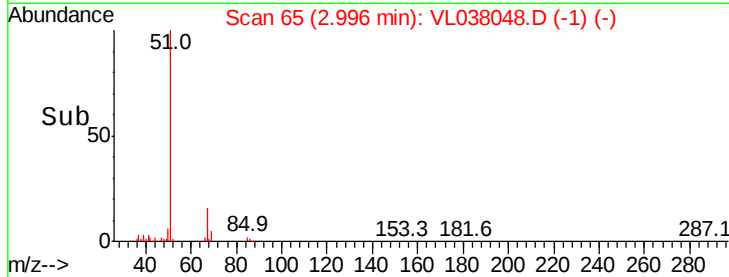
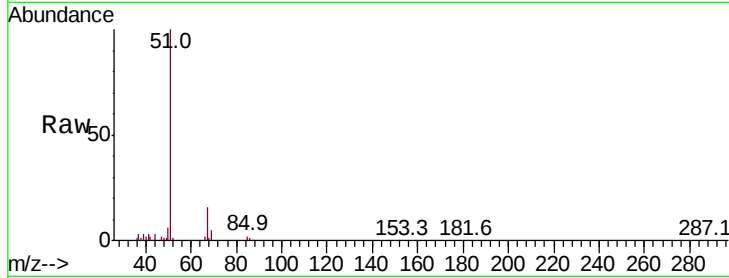
67 16.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/29/2021



#4

Chloromethane

Concen: 0.797 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL038048.D

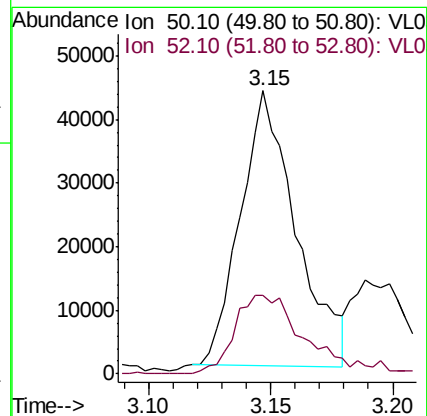
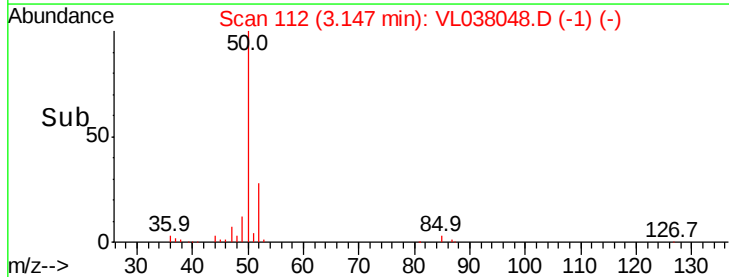
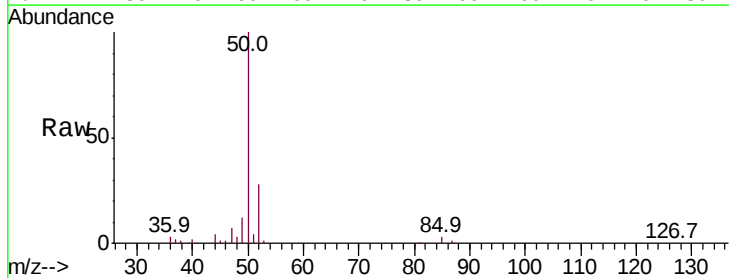
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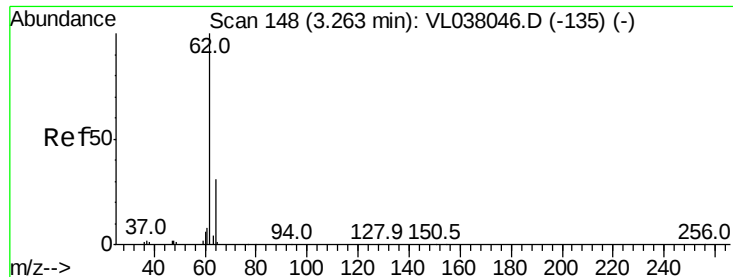
Tgt Ion: 50 Resp: 68615

Ion Ratio Lower Upper

50 100

52 29.8 25.4 38.0





#5

Vinyl Chloride

Concen: 0.816 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC001

Acq: 18 Nov 2021 10:04

Tot Ion:

Ion Ratio

62 100

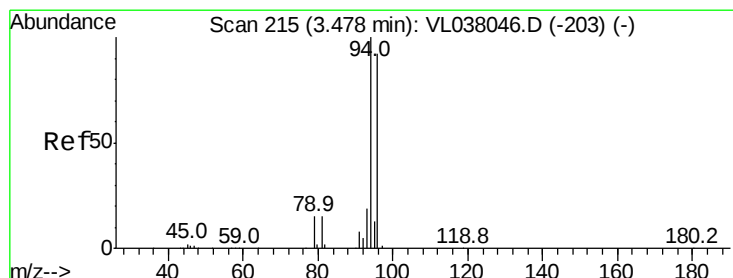
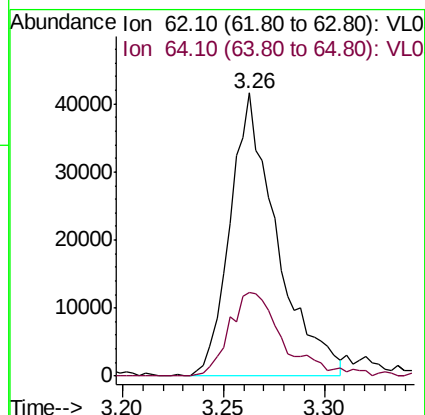
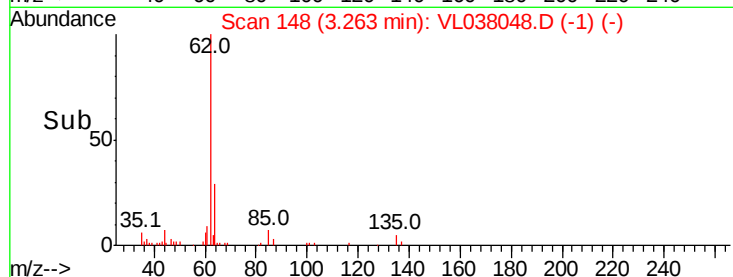
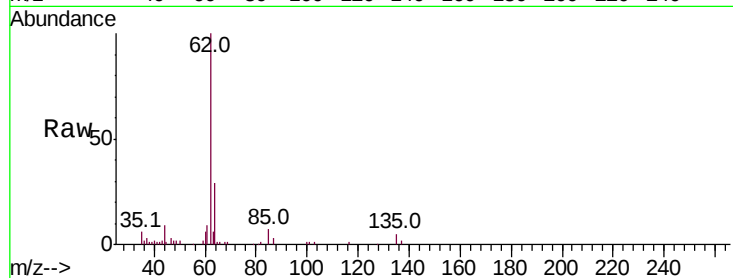
64 29.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/29/2021



#6

Bromomethane

Concen: 0.795 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL038048.D

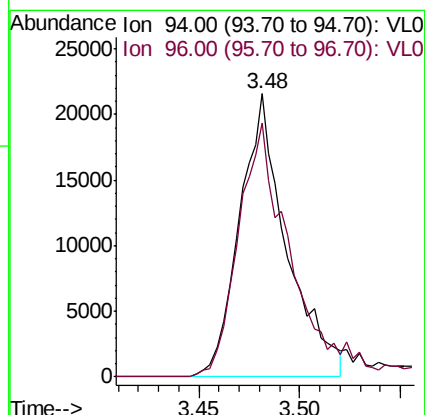
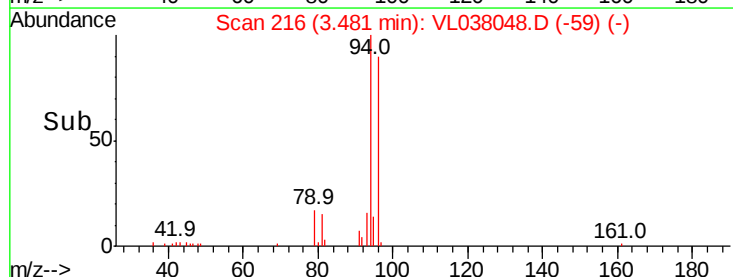
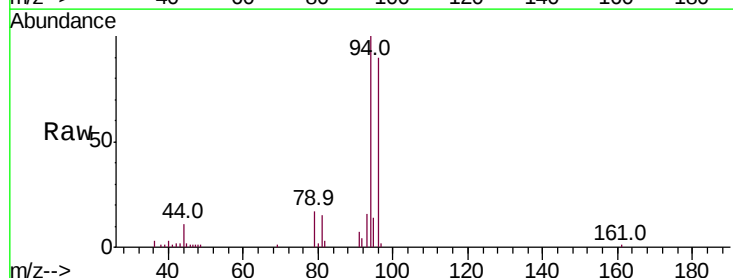
Acq: 18 Nov 2021 10:04

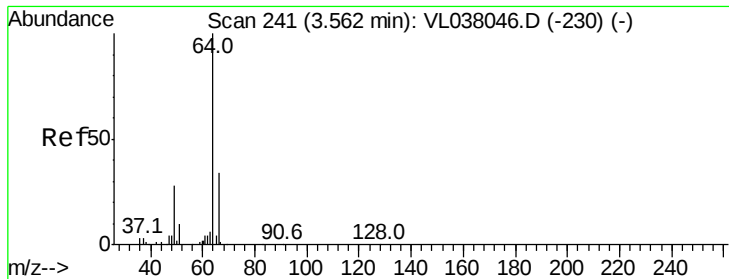
Tgt Ion: 94 Resp: 35125

Ion Ratio Lower Upper

94 100

96 89.8 73.9 110.9





#7

Chloroethane

Concen: 0.811 ppbv m

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 10:04 VSTDIC001

Tot Ion:

Ion Ratio

64 100

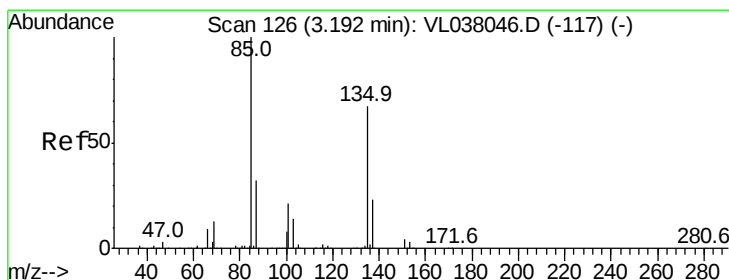
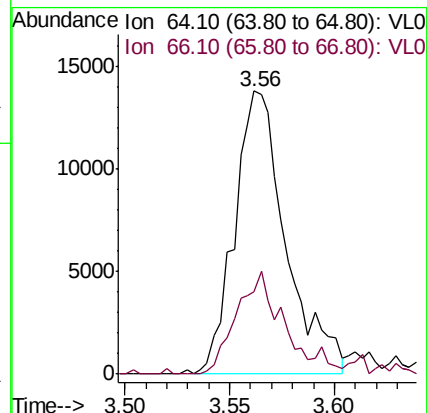
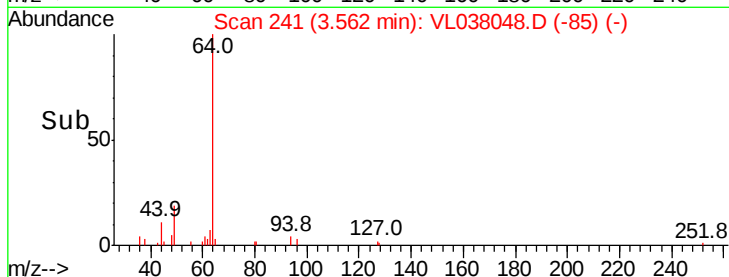
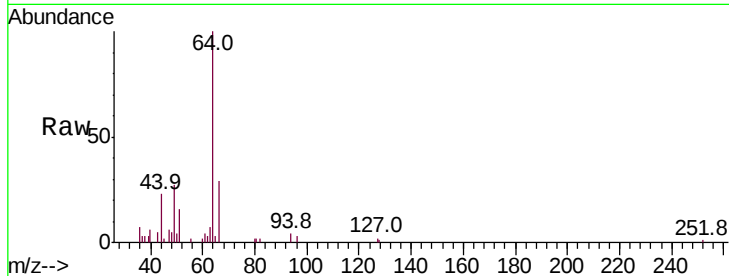
66 28.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/29/2021



#8

Dichlorotetrafluoroethane

Concen: 0.888 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL038048.D

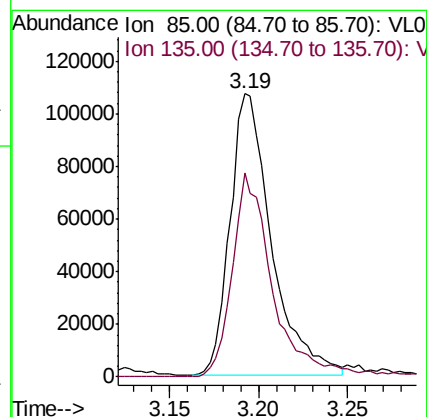
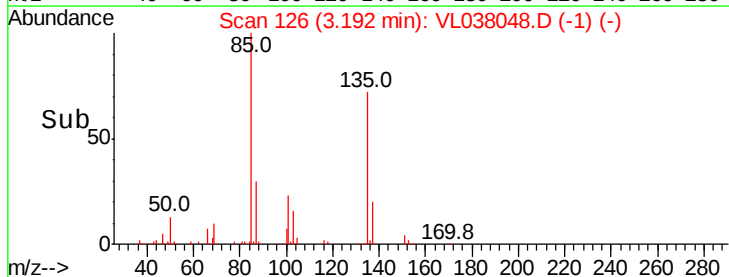
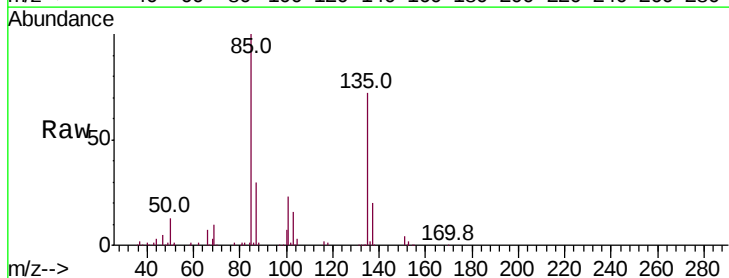
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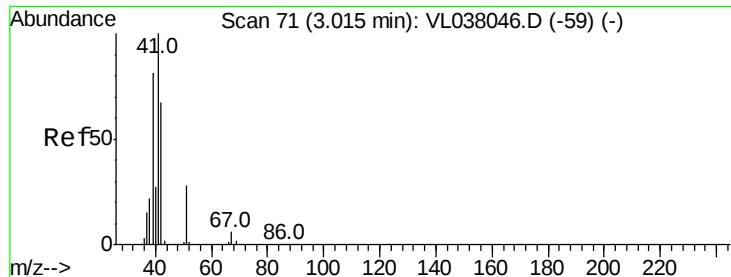
Tgt Ion: 85 Resp: 174128

Ion Ratio Lower Upper

85 100

135 71.2 57.9 86.9





#9

Propene

Concen: 0.807 ppbv

RT: 3.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Nov 2021 10:04

Tot Ion:

Ion Ratio

41 100

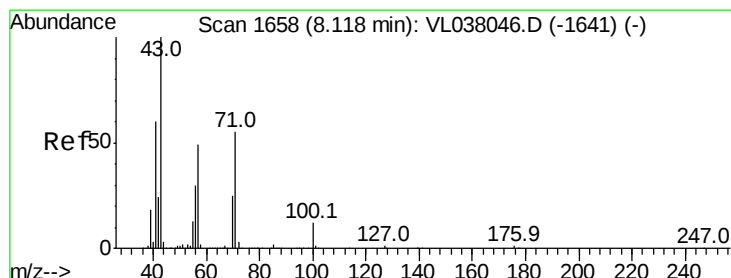
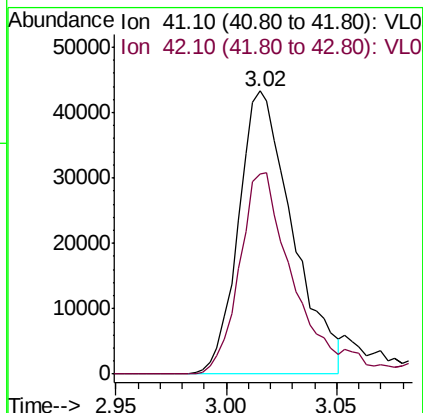
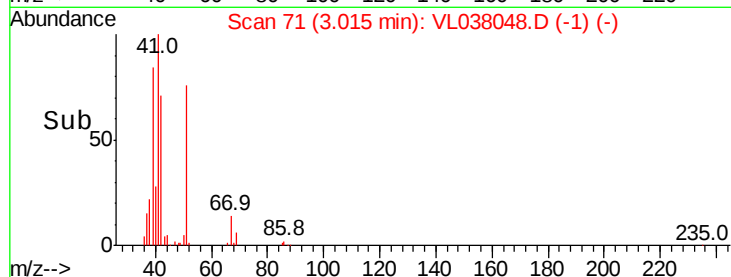
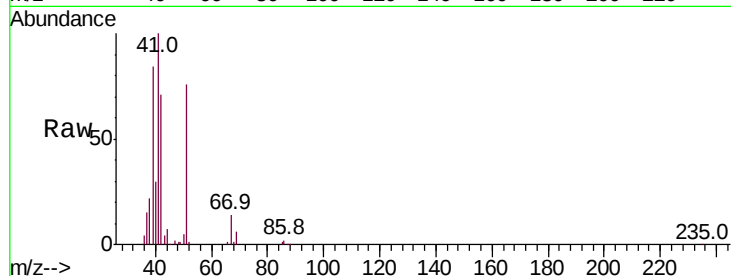
42 74.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#10

Heptane

Concen: 0.839 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VL038048.D

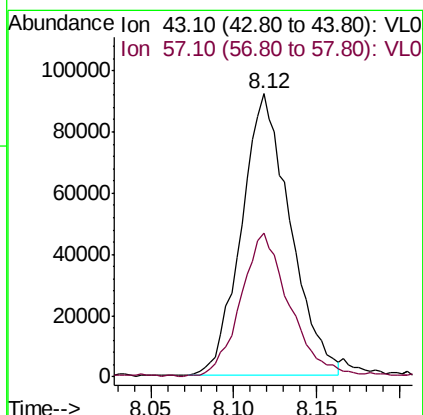
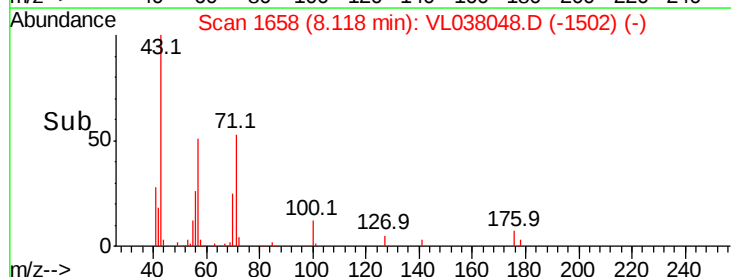
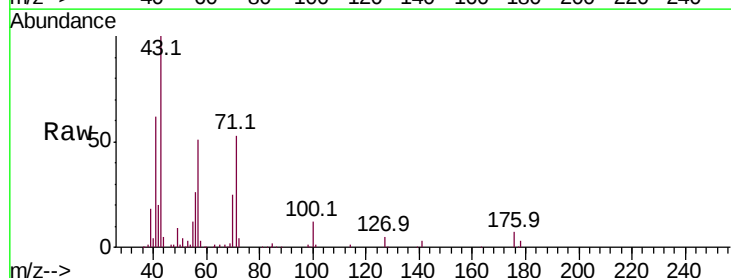
Acq: 18 Nov 2021 10:04

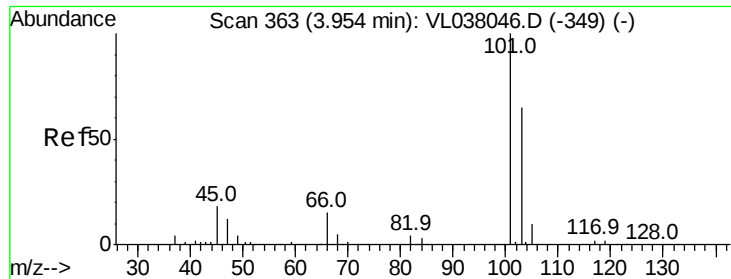
Tgt Ion: 43 Resp: 188367

Ion Ratio Lower Upper

43 100

57 51.7 40.4 60.6



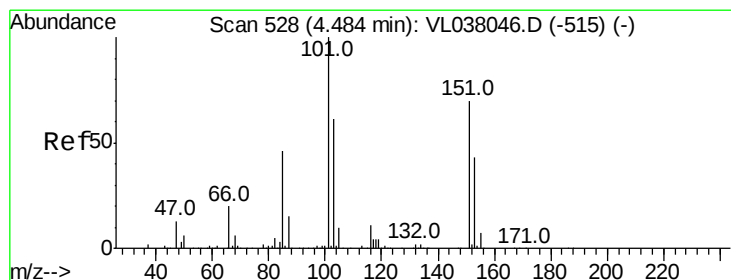
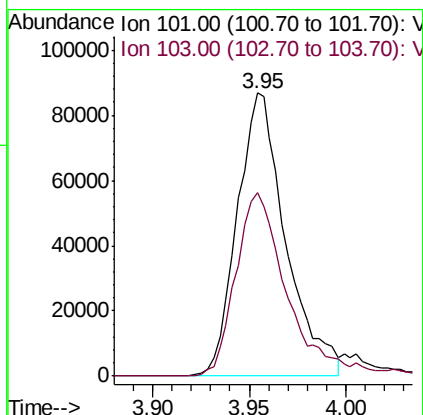
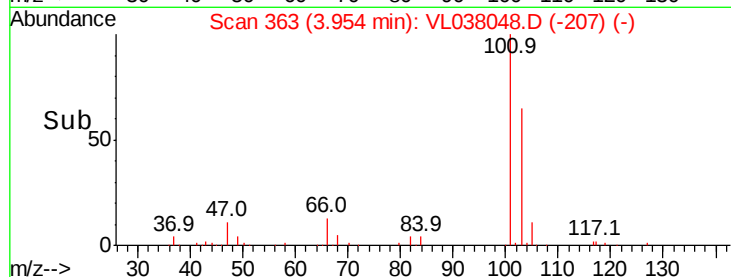
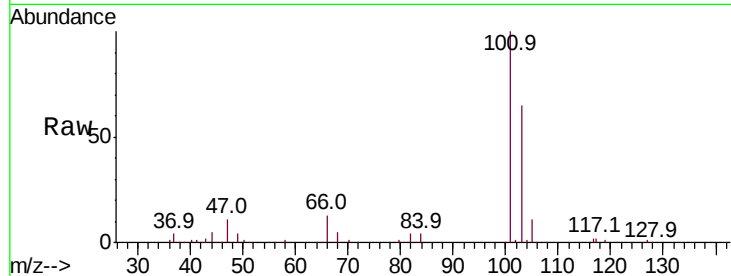


#11
 Trichlorofluoromethane
 Concen: 0.809 ppbv
 RT: 3.95 min
 Instrument: MSVOA_1
 Delta R.T.: 0.00 min
 Lab File: ClientSampleId : VSTDIC001
 Acq: 18 Nov 2021 10:04

Tot Ion:1
 Ion Rati
 101 100
 103 64.

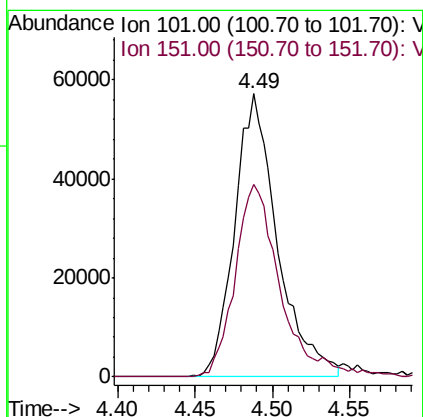
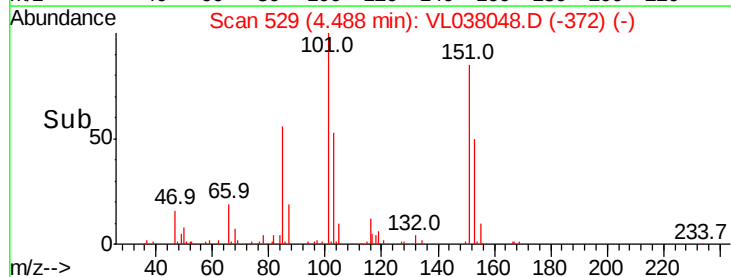
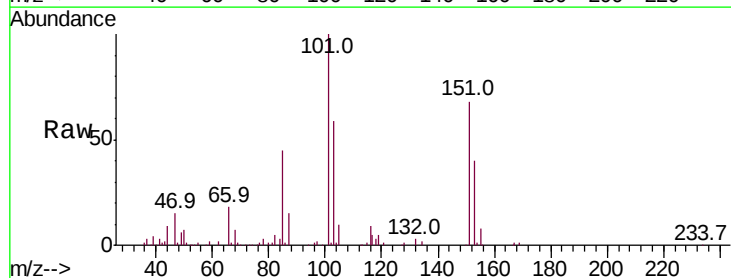
Manual Integrations
 APPROVED

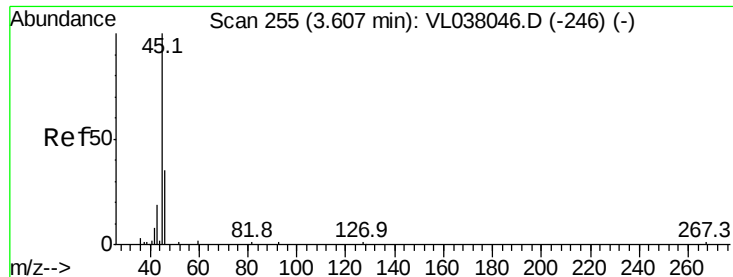
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.757 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T.: 0.00 min
 Lab File: VL038048.D
 Acq: 18 Nov 2021 10:04

Tgt Ion:101 Resp: 109792
 Ion Ratio Lower Upper
 101 100
 151 72.8 59.0 88.4



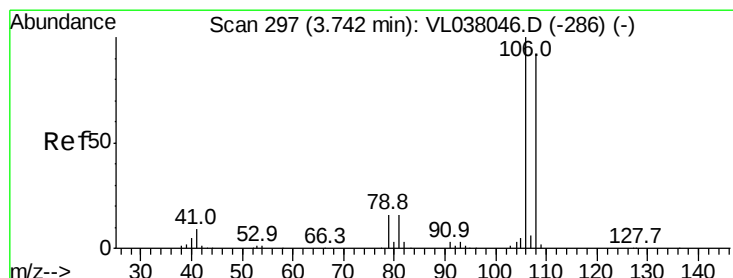
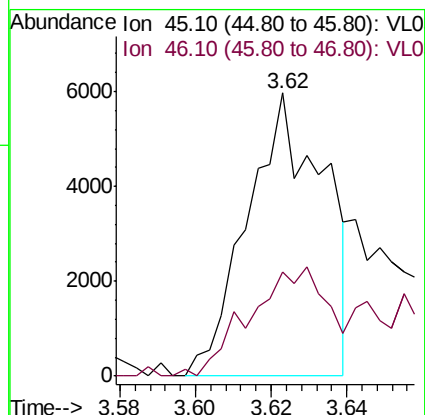
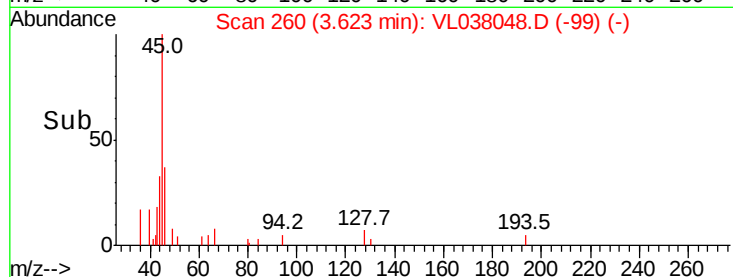
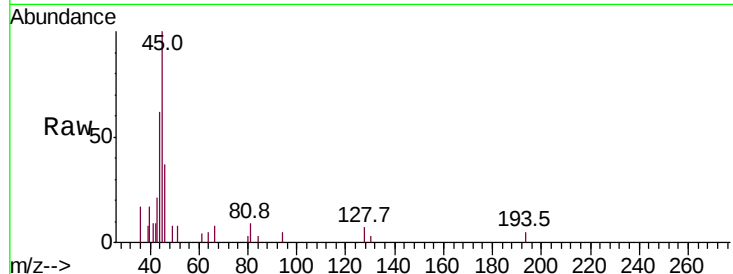


#13
 Ethanol
 Concen: 1.043 ppbv m
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Nov 2021 10:04

Tot Ion:
 Ion Rati
 45 100
 46 68.

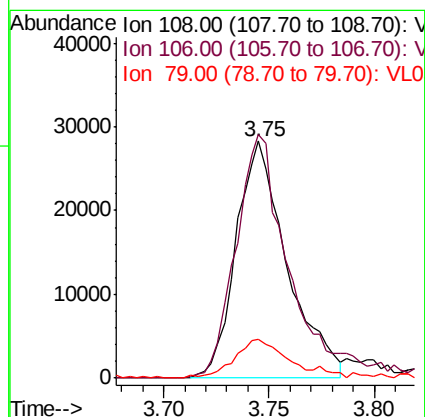
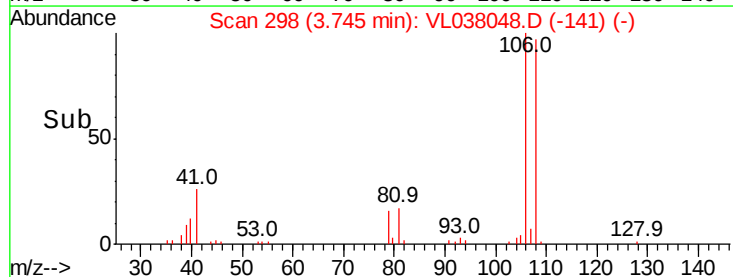
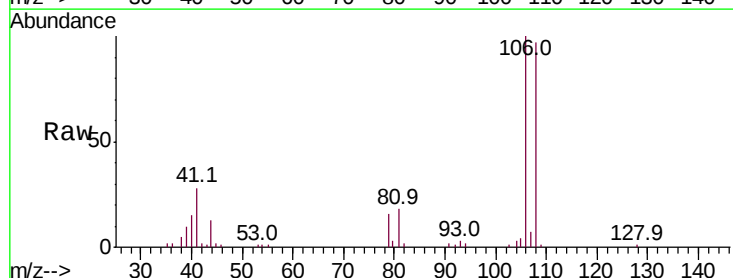
Manual Integrations
 APPROVED

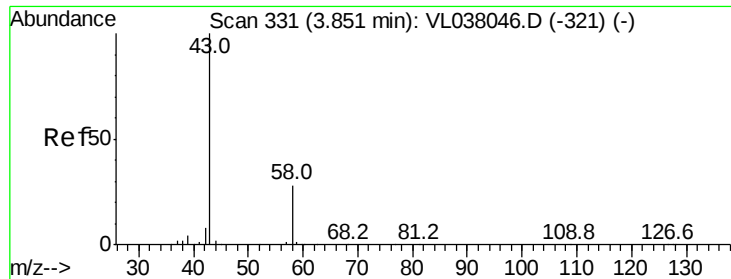
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#14
 Bromoethene
 Concen: 0.782 ppbv
 RT: 3.75 min Scan# 298
 Delta R.T. 0.00 min
 Lab File: VL038048.D
 Acq: 18 Nov 2021 10:04

Tgt Ion:108 Resp: 47435
 Ion Ratio Lower Upper
 108 100
 106 112.9 89.4 134.0
 79 18.6 14.1 21.1





#15

Acetone

Concen: 0.844 ppbv m

RT: 3.87

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Nov 2021 10:04

Tot Ion:

Ion Ratio

43 100

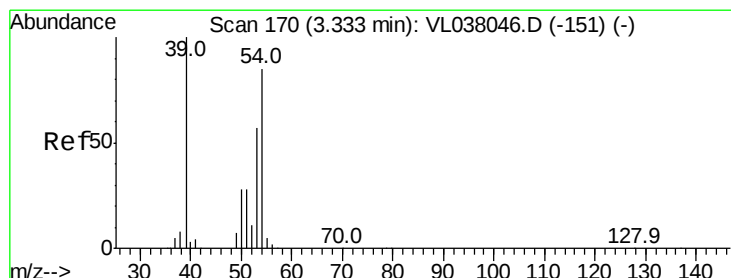
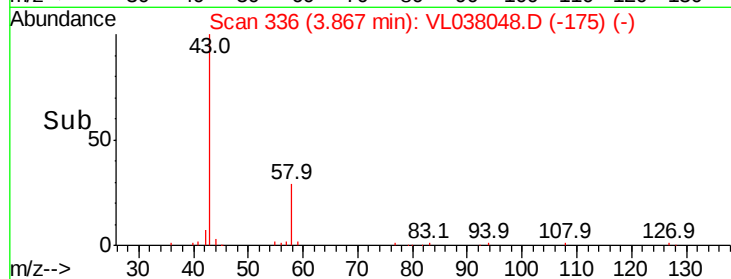
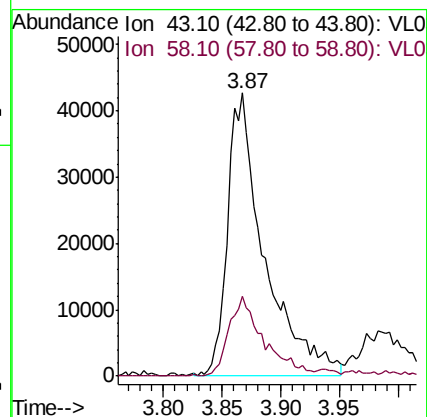
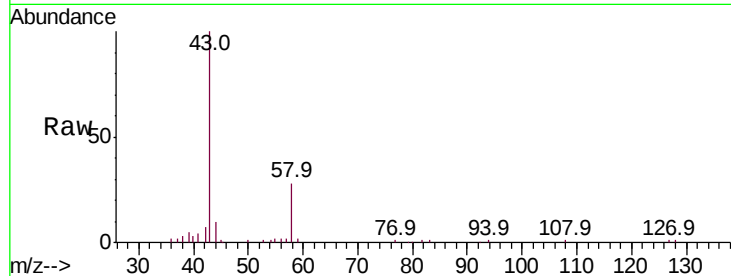
58 28.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#16

1,3-Butadiene

Concen: 0.817 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL038048.D

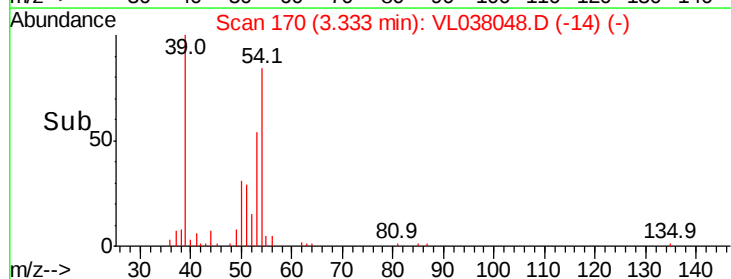
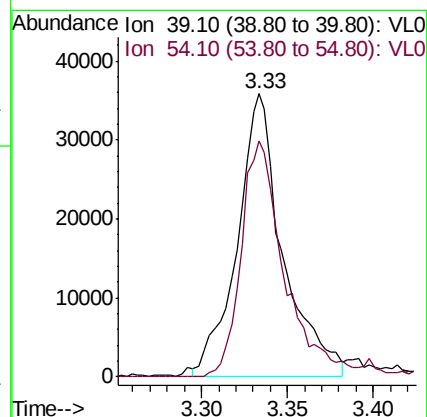
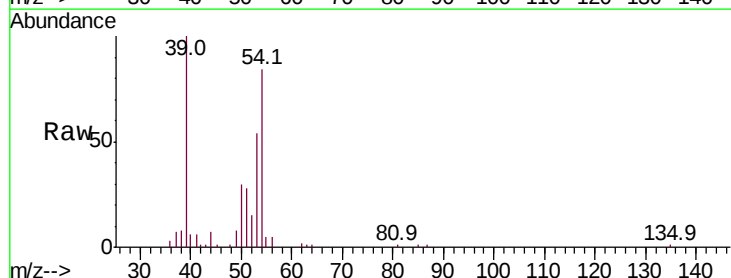
Acq: 18 Nov 2021 10:04

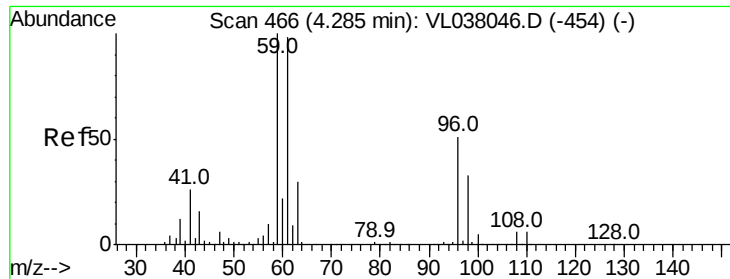
Tgt Ion: 39 Resp: 66182

Ion Ratio Lower Upper

39 100

54 81.5 64.4 96.6





#17

tert-Butyl alcohol

Concen: 0.737 ppbv m

RT: 4.30 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 18 Nov 2021 10:04 VSTDIC001

Tot Ion:

Ion Ratio

59 100

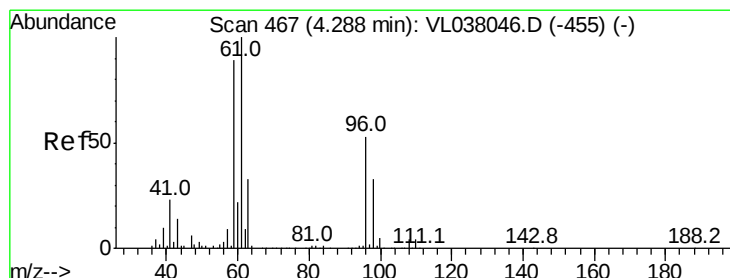
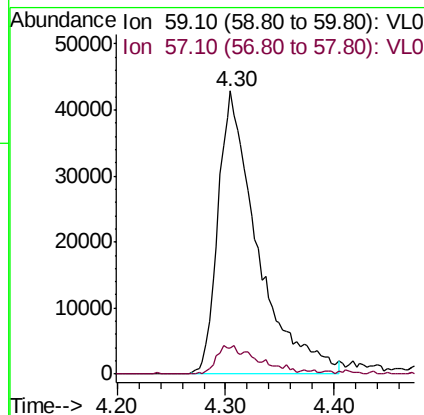
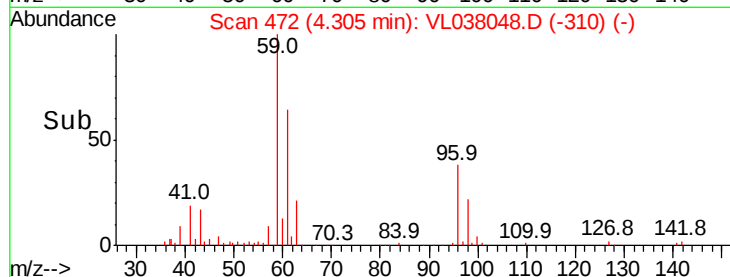
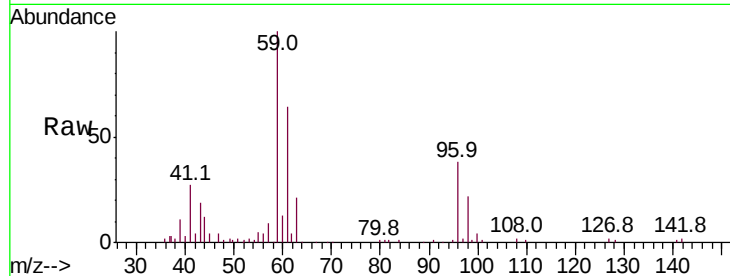
57 11.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#18

1,1-Dichloroethene

Concen: 0.773 ppbv m

RT: 4.29 min Scan# 469

Delta R.T. 0.01 min

Lab File: VL038048.D

Acq: 18 Nov 2021 10:04

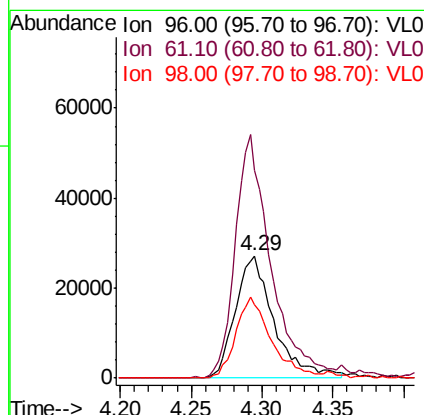
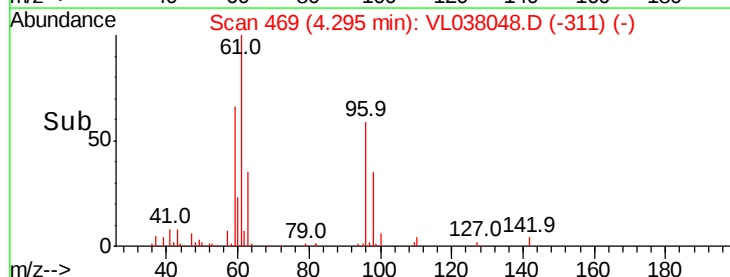
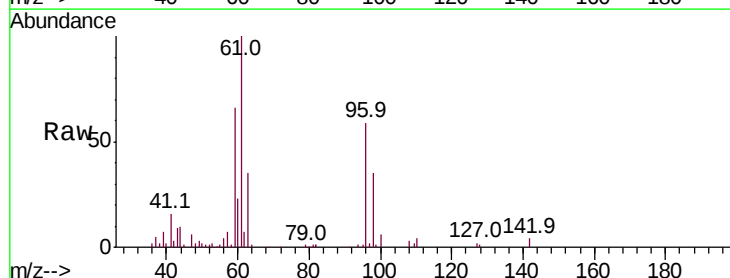
Tgt Ion: 96 Resp: 51717

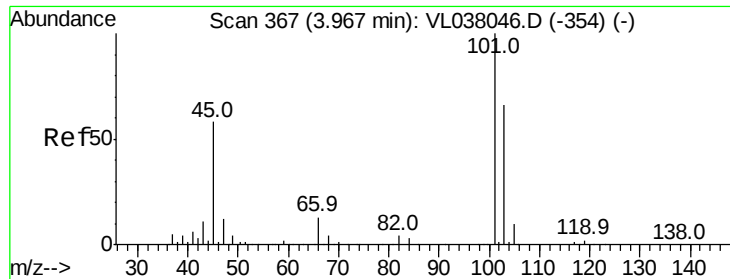
Ion Ratio Lower Upper

96 100

61 169.2 149.8 224.8

98 59.7 50.2 75.2





#19

Isopropyl Alcohol

Concen: 0.843 ppbv m

RT: 3.99 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 18 Nov 2021 10:04 VSTDIC001

Tot Ion:

Ion Ratio

45 100

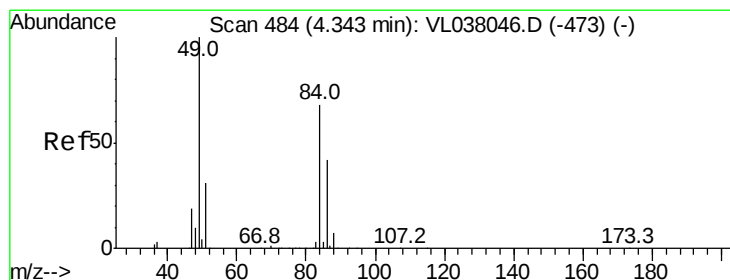
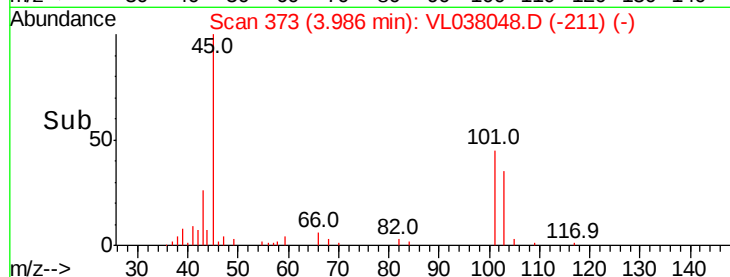
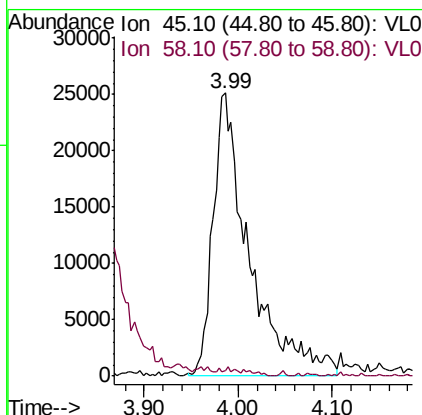
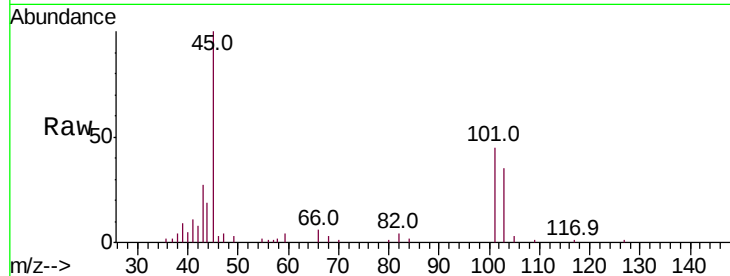
58 1.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#20

Methylene Chloride

Concen: 0.790 ppbv m

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL038048.D

Acq: 18 Nov 2021 10:04

Tgt Ion: 84 Resp: 50680

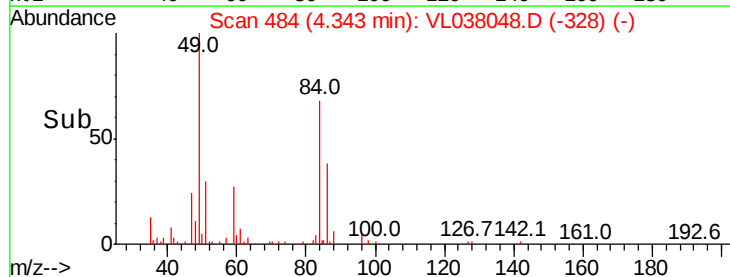
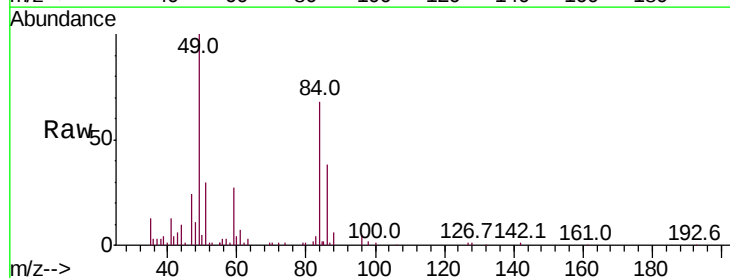
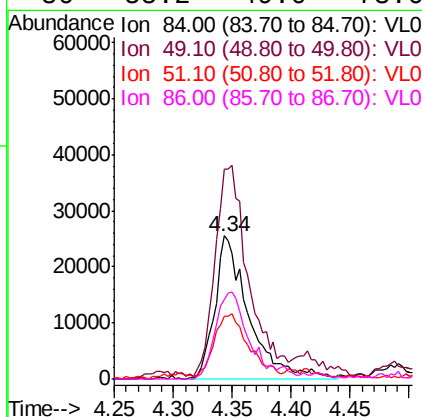
Ion Ratio Lower Upper

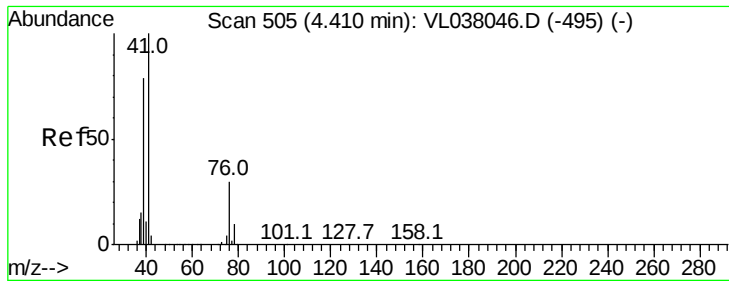
84 100

49 146.6 118.2 177.2

51 44.1 36.8 55.2

86 55.2 49.0 73.6



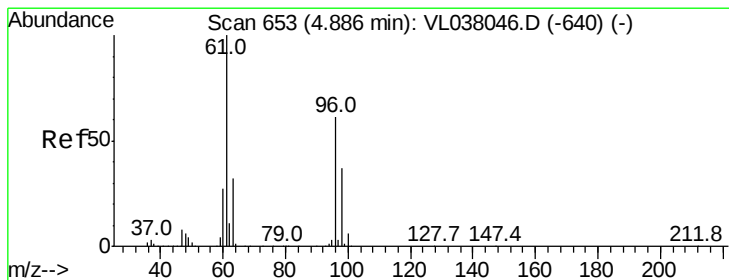
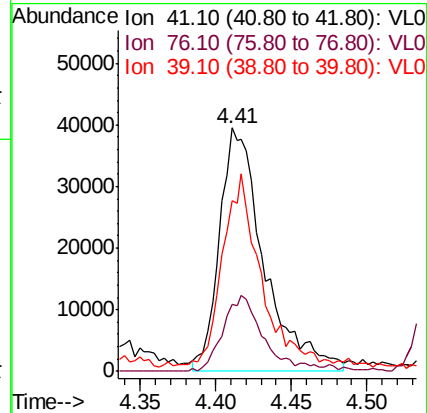
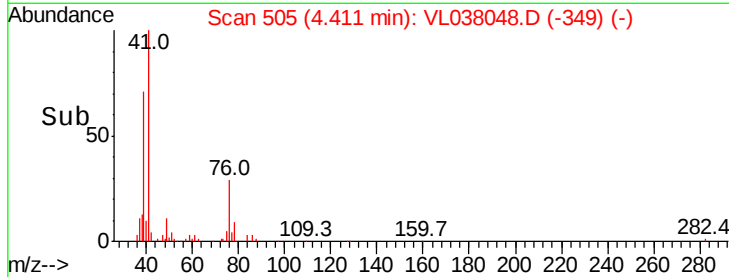
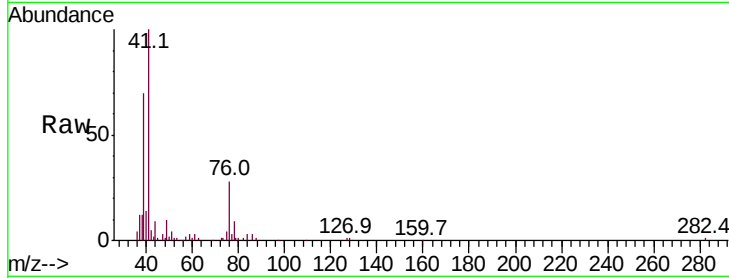


#21
 Allvl Chloride
 Concen: 0.739 ppbv m
 RT: 4.41
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 18 Nov 2021 10:04

Tot Ion:
 Ion Ratio
 41 100
 76 29.
 39 74.

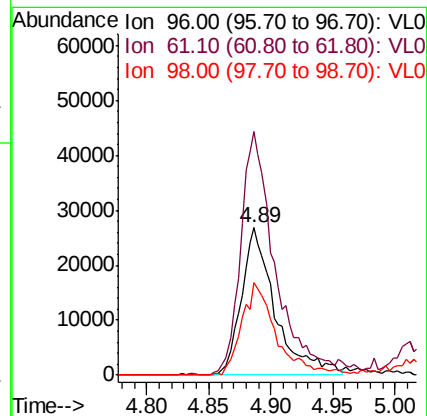
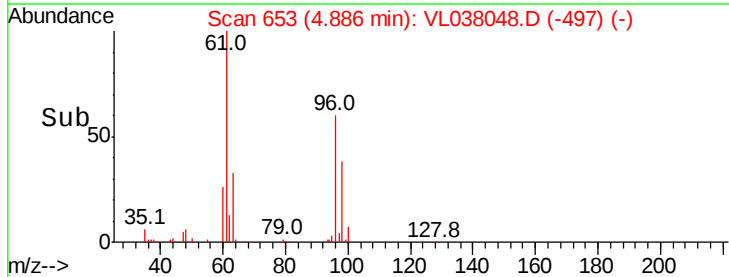
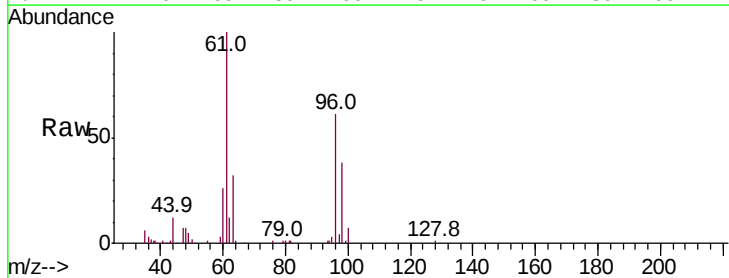
Manual Integrations
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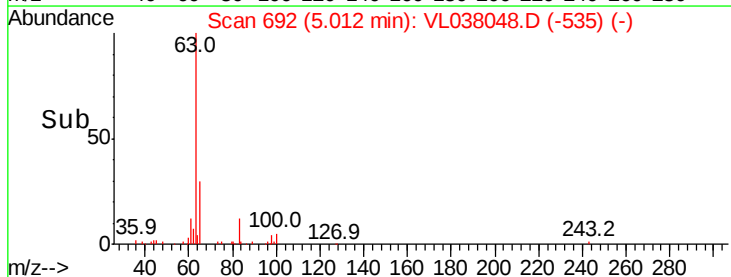
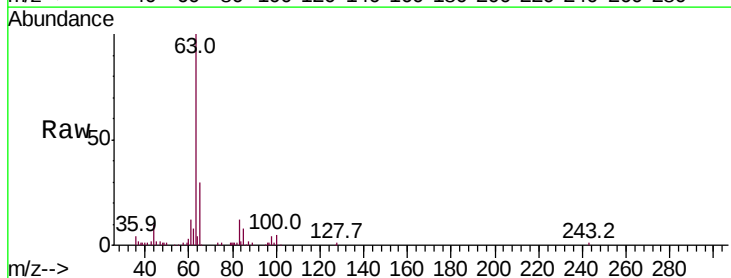
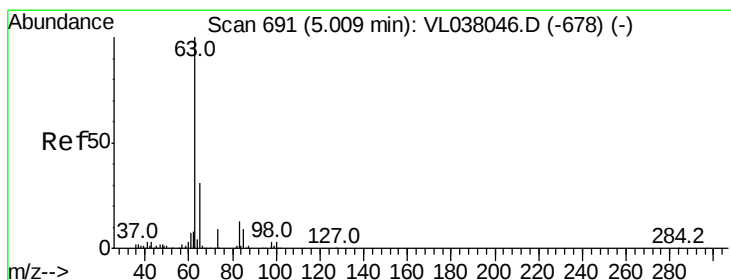
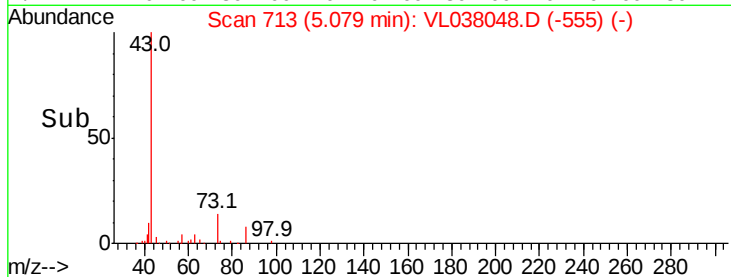
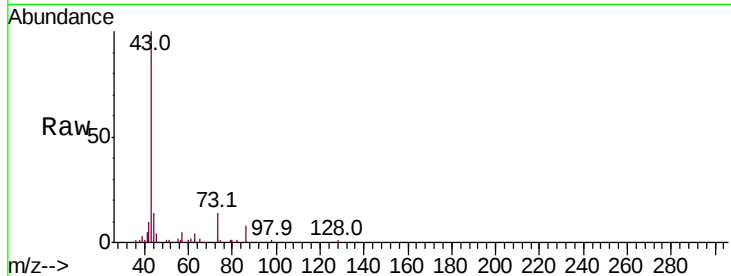
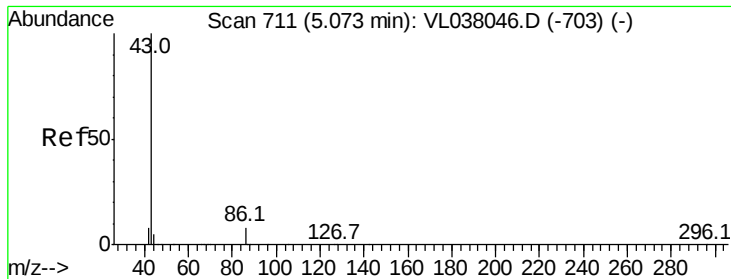
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#22
 trans-1,2-Dichloroethene
 Concen: 0.756 ppbv m
 RT: 4.89 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: VL038048.D
 Acq: 18 Nov 2021 10:04

Tgt Ion: 96 Resp: 51072
 Ion Ratio Lower Upper
 96 100
 61 165.2 131.6 197.4
 98 63.0 48.4 72.6





#23

Vinyl Acetate

Concen: 0.715 ppbv m

RT: 5.08

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDIC001

Acq: 18 Nov 2021 10:04

Tot Ion:

Ion Ratio

43 100

86 8.

42 10.

44 13.8

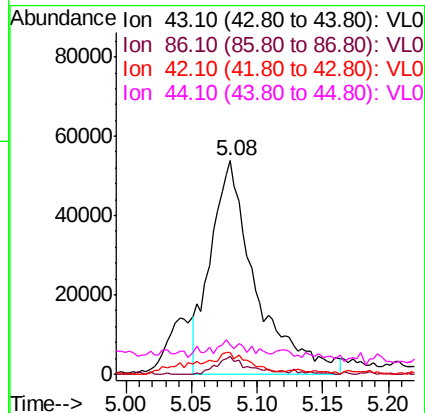
Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021

4.0 6.0#



#24

1,1-Dichloroethane

Concen: 0.730 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.00 min

Lab File: VL038048.D

Acq: 18 Nov 2021 10:04

Tgt Ion: 63 Resp: 103246

Ion Ratio Lower Upper

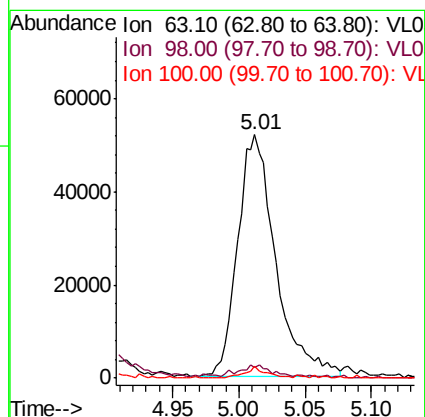
63 100

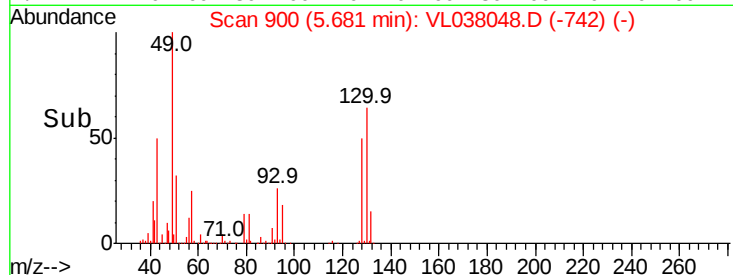
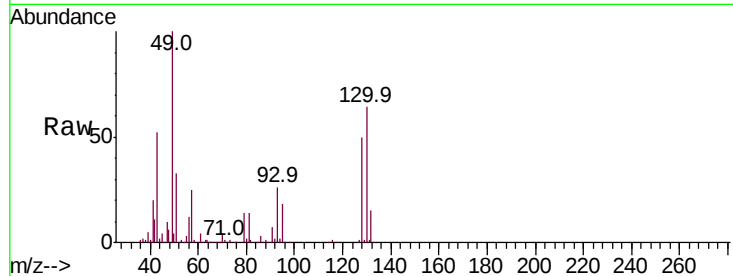
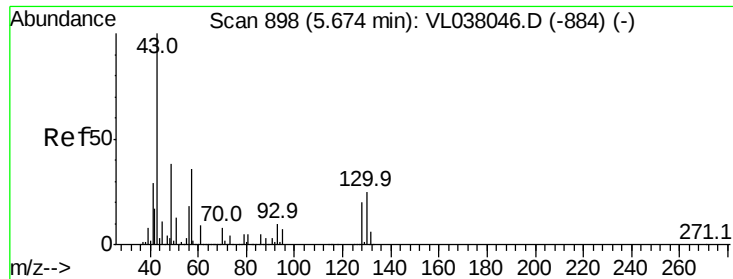
98 3.6

1.8 5.4

100 4.9

1.4 4.0#



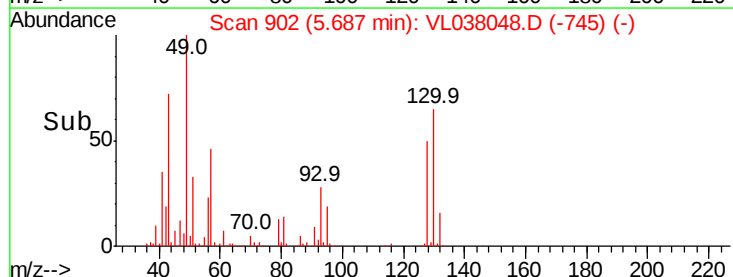
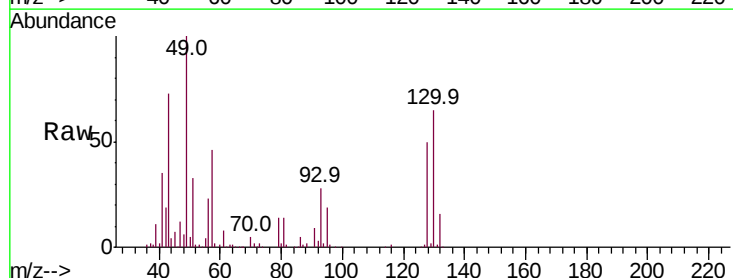
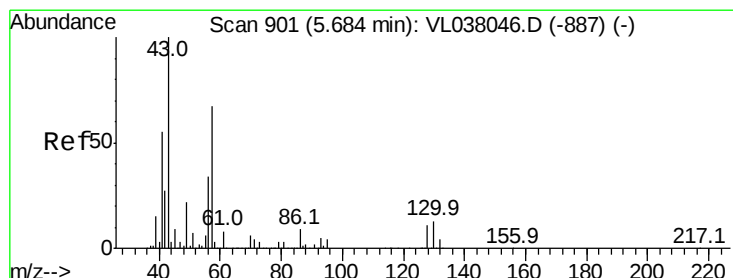
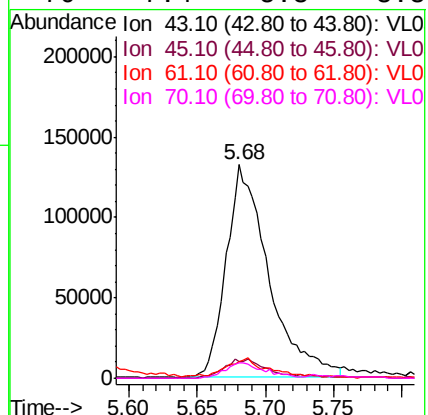


#25
Ethyl Acetate
Concen: 1.114 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC001
Acq: 18 Nov 2021 10:04

Tot Ion:
Ion Ratio
43 100
45 9.
61 9.
70 7.4 5.8 8.8

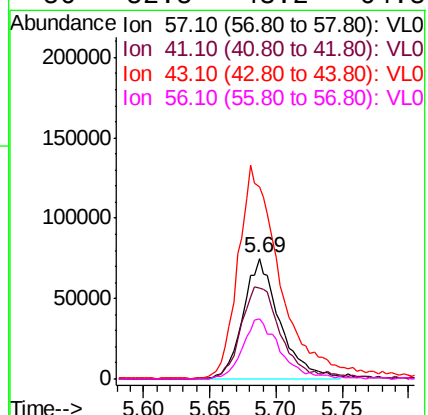
Manual Integrations
APPROVED

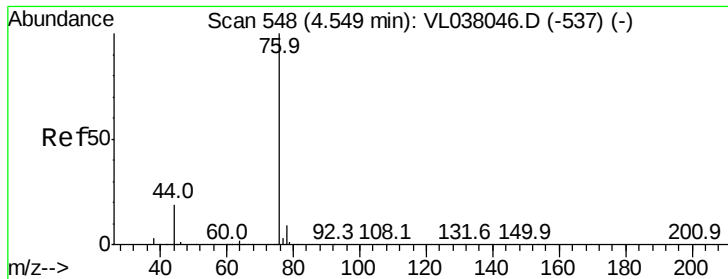
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#26
Hexane
Concen: 1.111 ppbv
RT: 5.69 min Scan# 902
Delta R.T.: 0.00 min
Lab File: VL038048.D
Acq: 18 Nov 2021 10:04

Tgt Ion: 57 Resp: 143691
Ion Ratio Lower Upper
57 100
41 87.6 71.4 107.2
43 211.5 174.6 261.8
56 52.5 43.2 64.8





#27

Carbon Disulfide

Concen: 0.715 ppbv m

RT: 4.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 18 Nov 2021 10:04 VSTDIC001

Tot Ion:

Ion Ratio

76 100

44 29.

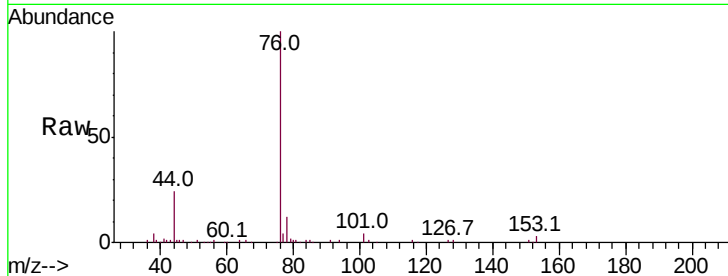
78 11.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

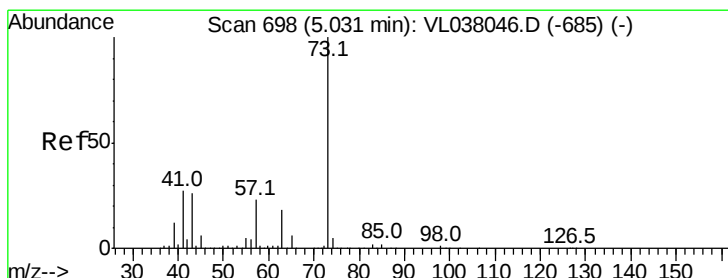
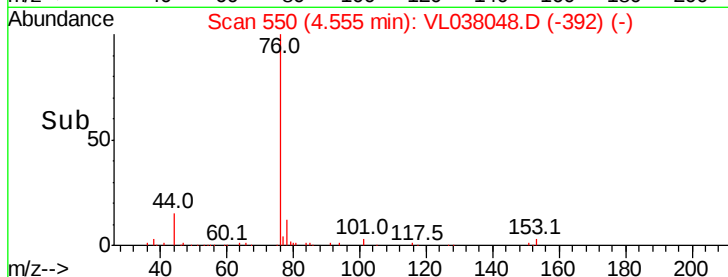
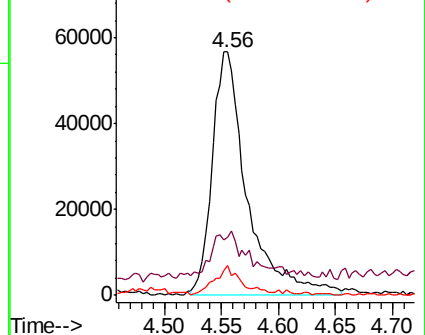
Supervised By :Mahesh Dadoda 11/29/2021



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



#28

Methyl tert-Butyl Ether

Concen: 0.682 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.01 min

Lab File: VL038048.D

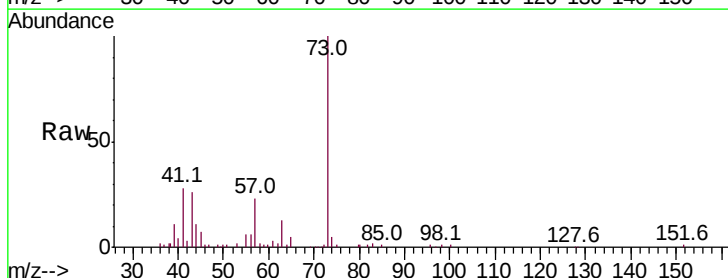
Acq: 18 Nov 2021 10:04

Tgt Ion: 73 Resp: 113186

Ion Ratio Lower Upper

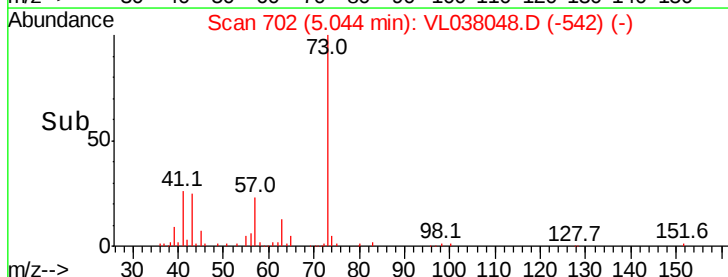
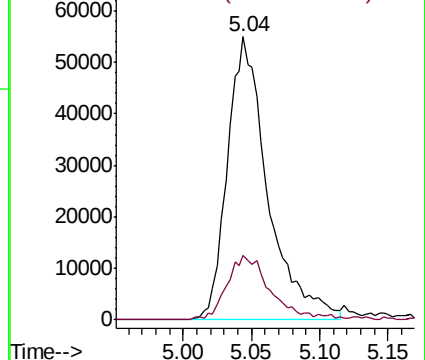
73 100

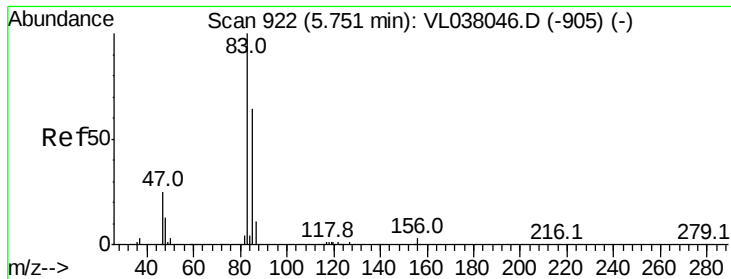
57 25.3 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



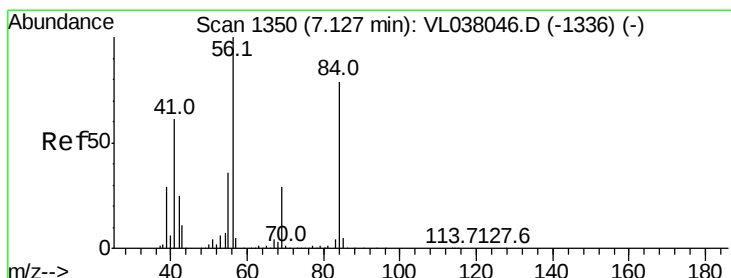
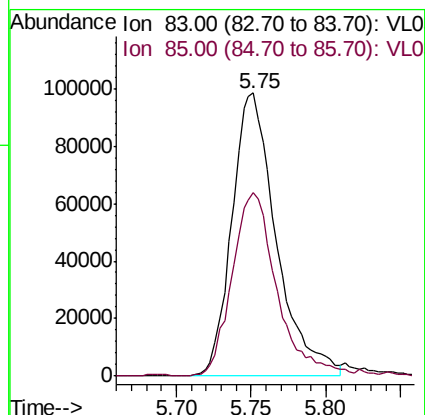
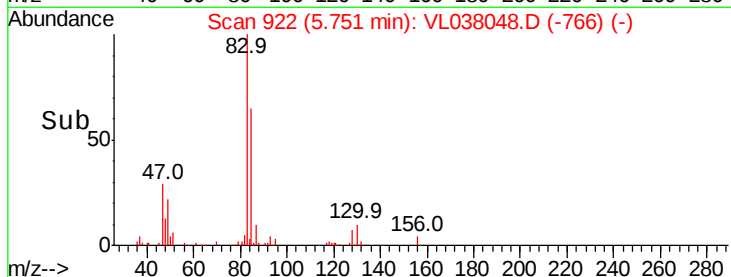
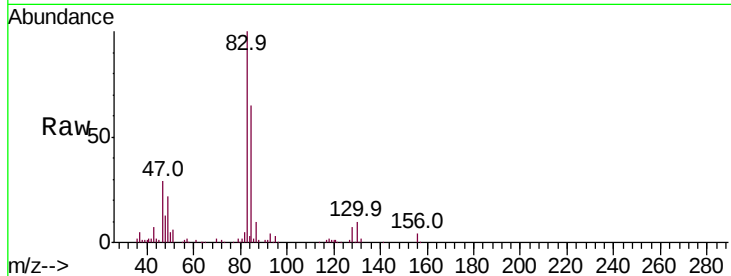


#29
Chloroform
Concen: 1.045 ppbv
RT: 5.75
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 18 Nov 2021 10:04

Tot Ion:
Ion Ratio
83 100
85 64.

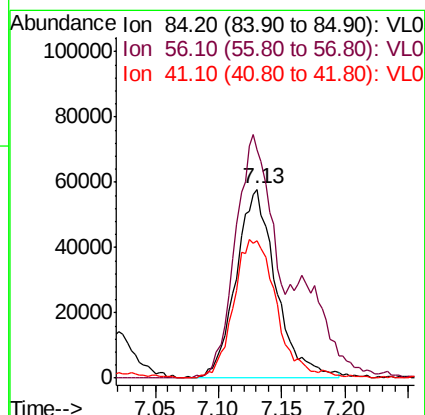
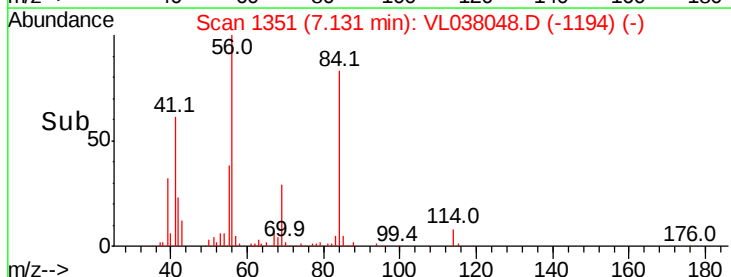
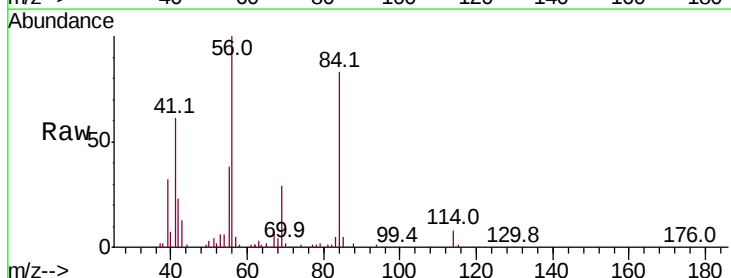
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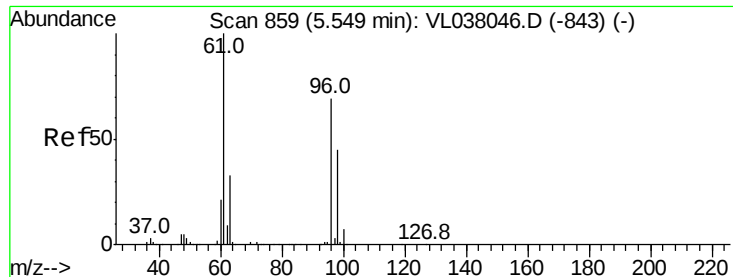
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#30
Cyclohexane
Concen: 0.876 ppbv m
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL038048.D
Acq: 18 Nov 2021 10:04

Tgt Ion: 84 Resp: 127558
Ion Ratio Lower Upper
84 100
56 171.4 108.1 162.1#
41 77.7 64.4 96.6



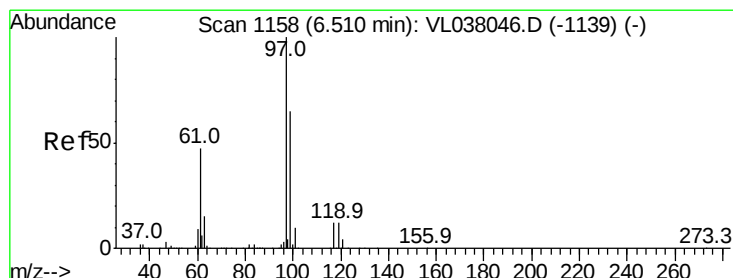
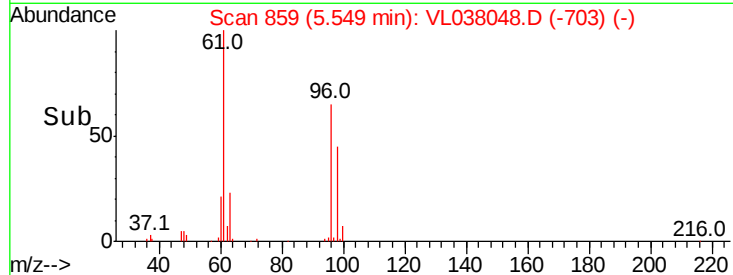
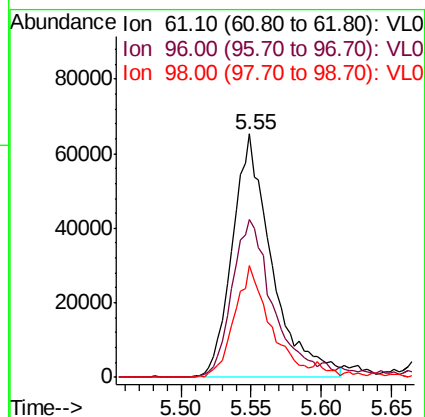
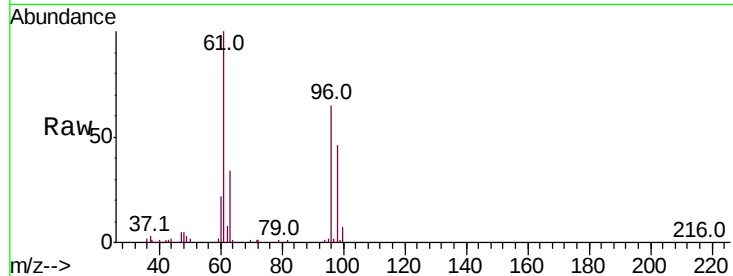


#31
 cis-1,2-Dichloroethene
 Concen: 1.198 ppbv
 RT: 5.55
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Nov 2021 10:04

Tot Ion:
 Ion Ratio
 61 100
 96 65.
 98 46.

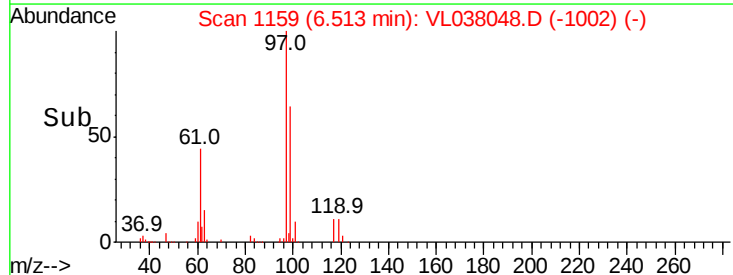
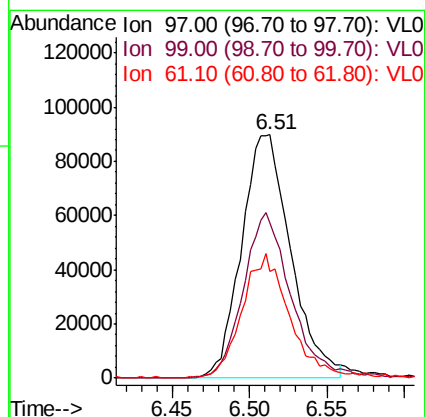
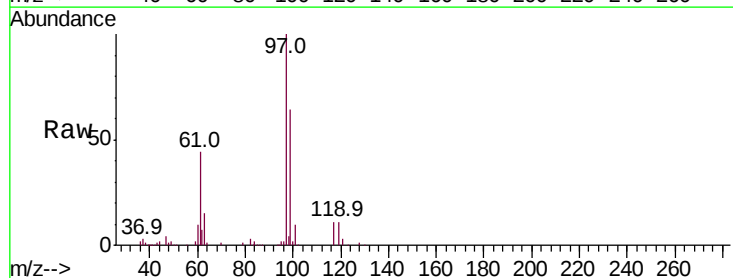
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Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#32
 1,1,1-Trichloroethane
 Concen: 0.806 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: VL038048.D
 Acq: 18 Nov 2021 10:04

Tgt Ion: 97 Resp: 199195
 Ion Ratio Lower Upper
 97 100
 99 66.5 52.2 78.4
 61 50.1 37.7 56.5



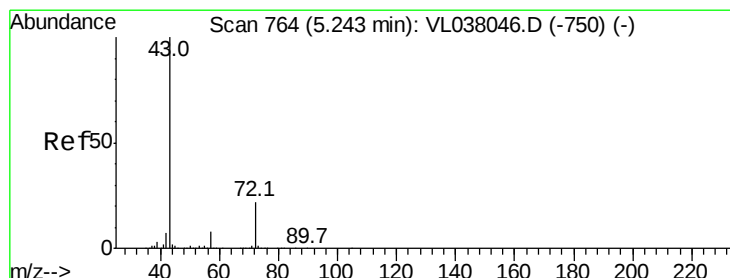
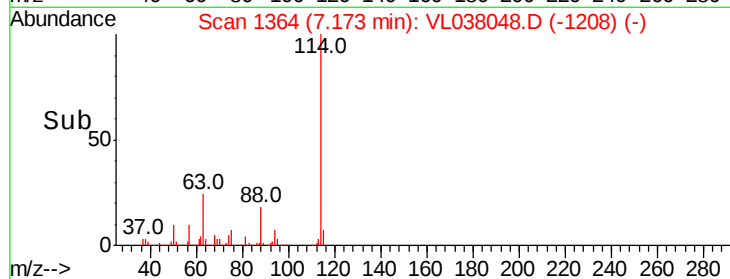
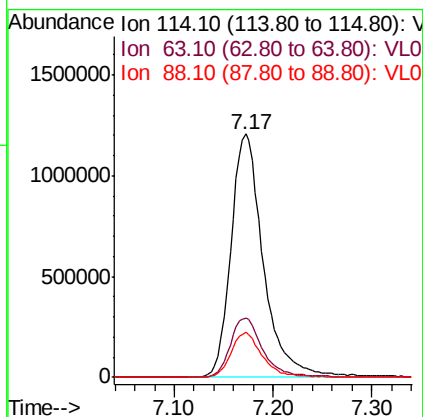
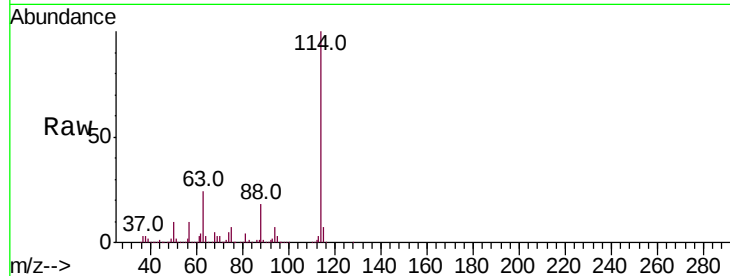


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Nov 2021 10:04

Tot Ion:1
 Ion Rati
 114 100
 63 24.
 88 18.

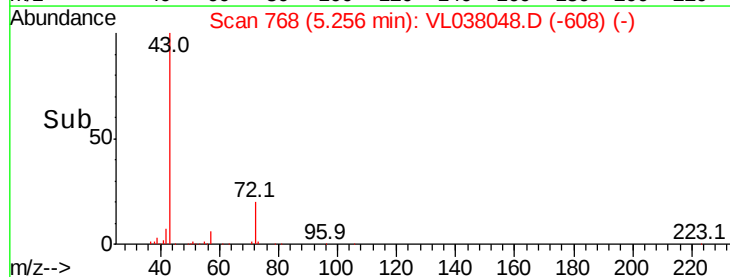
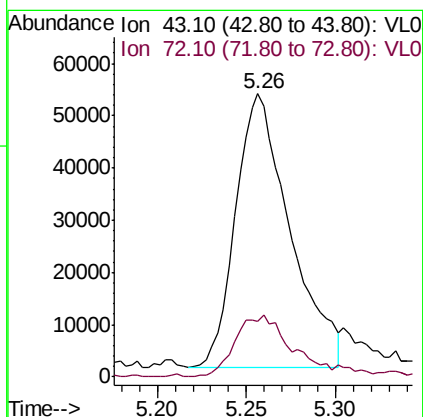
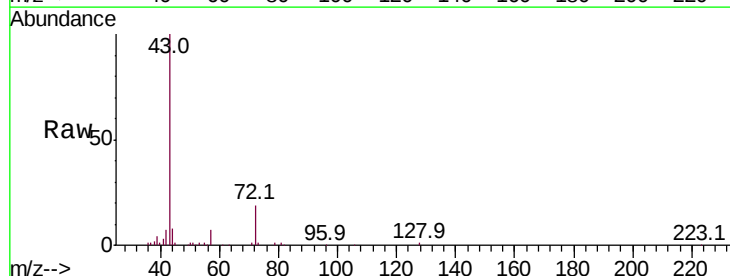
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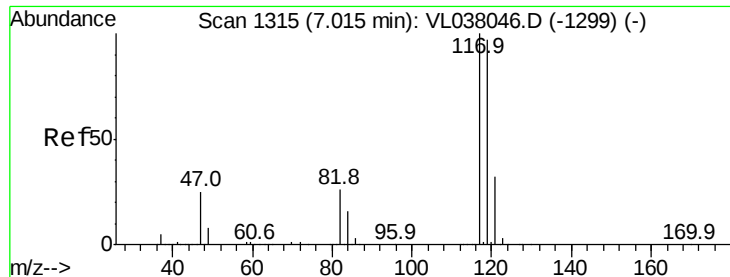
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#34
 2-Butanone
 Concen: 1.228 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VL038048.D
 Acq: 18 Nov 2021 10:04

Tgt Ion: 43 Resp: 111063
 Ion Ratio Lower Upper
 43 100
 72 25.9 18.8 28.2





#35

Carbon Tetrachloride

Concen: 1.069 ppbv

RT: 7.02 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC001

Acq: 18 Nov 2021 10:04

Tot Ion:1

Ion Rati

117 100

119 96.

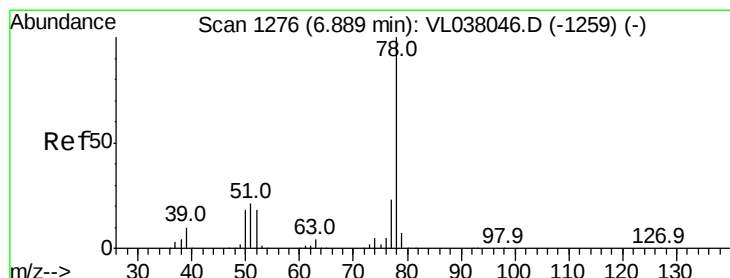
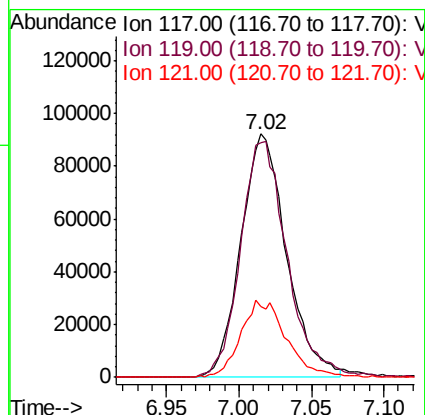
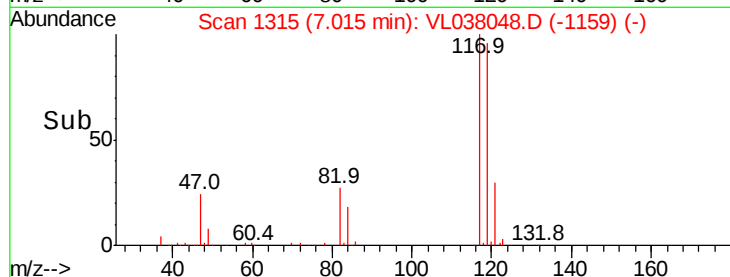
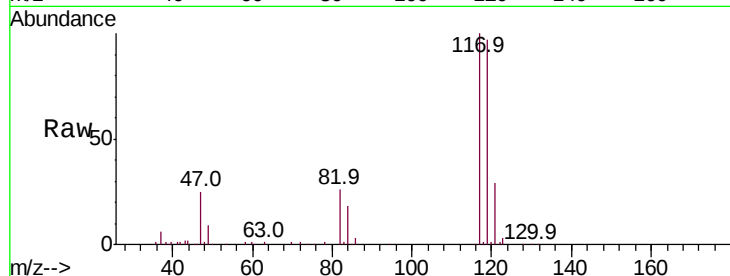
121 29.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#36

Benzene

Concen: 1.146 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VL038048.D

Acq: 18 Nov 2021 10:04

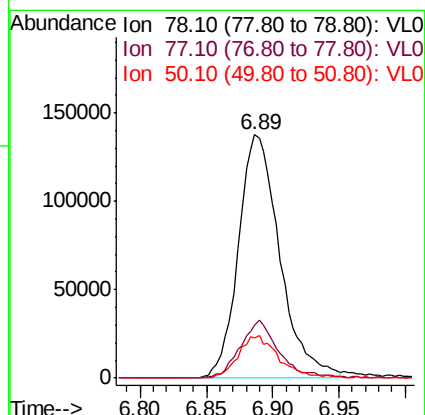
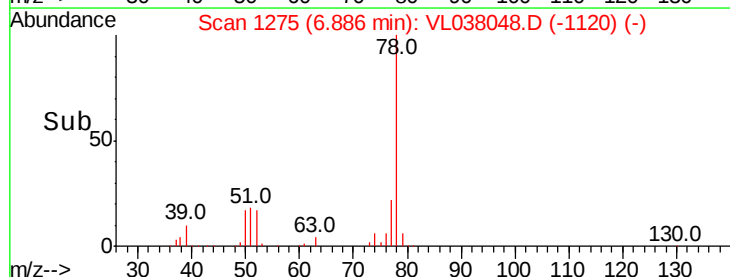
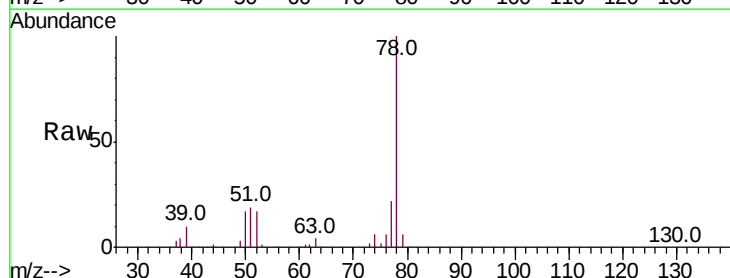
Tgt Ion: 78 Resp: 298950

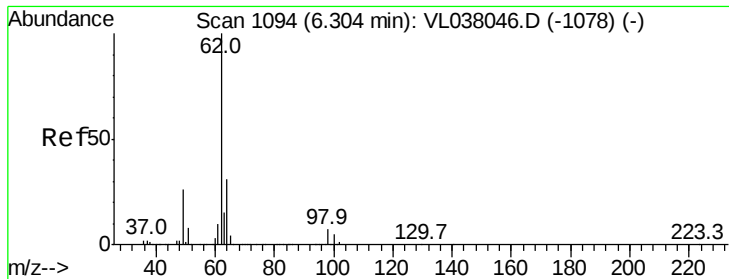
Ion Ratio Lower Upper

78 100

77 21.8 18.2 27.4

50 16.7 14.7 22.1



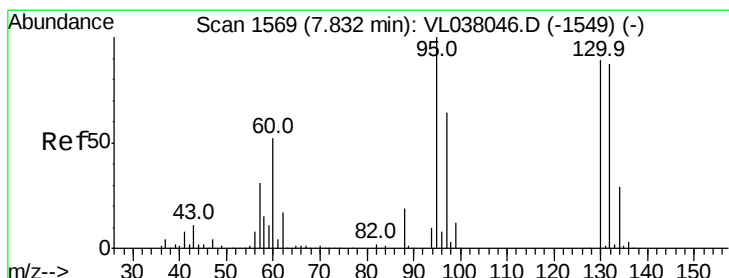
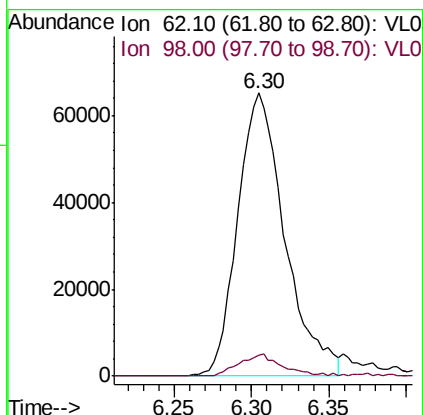
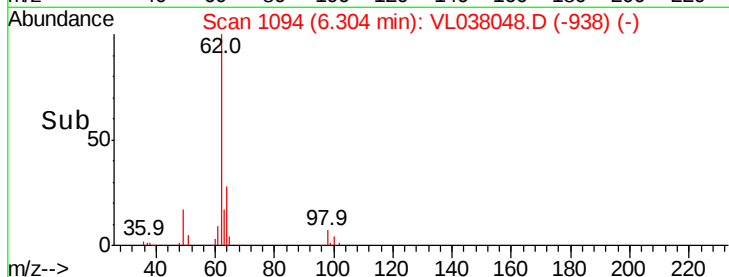
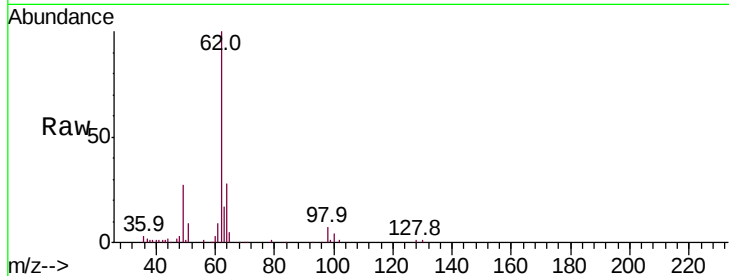


#37
 1,2-Dichloroethane
 Concen: 1.141 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 18 Nov 2021 10:04

Tot Ion:
 Ion Rati
 62 100
 98 7.

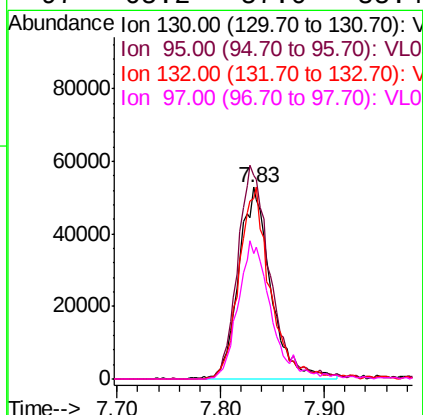
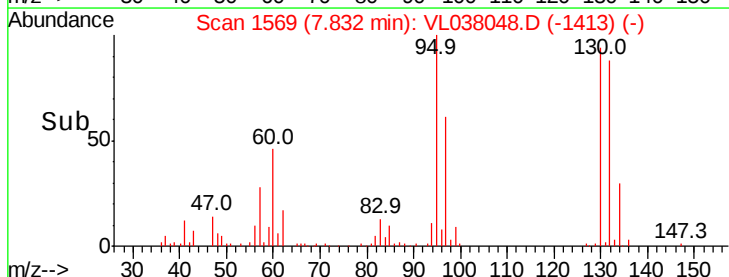
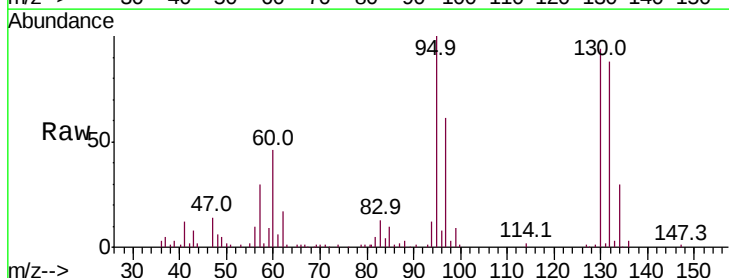
Manual Integrations
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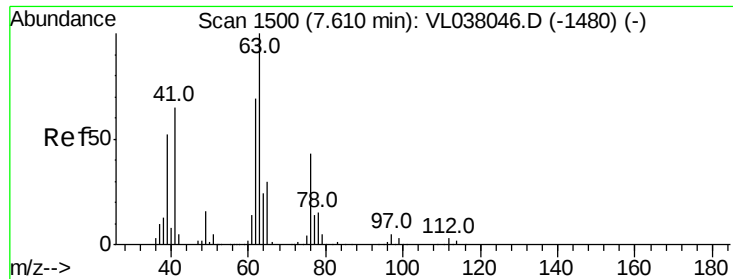
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#38
 Trichloroethene
 Concen: 1.074 ppbv m
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL038048.D
 Acq: 18 Nov 2021 10:04

Tgt Ion:130 Resp: 113817
 Ion Ratio Lower Upper
 130 100
 95 106.4 89.4 134.2
 132 94.0 78.2 117.2
 97 65.2 57.0 85.4



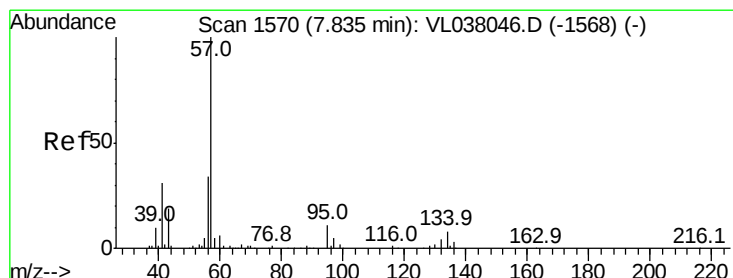
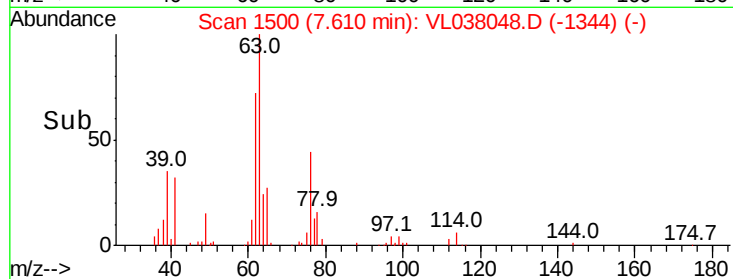
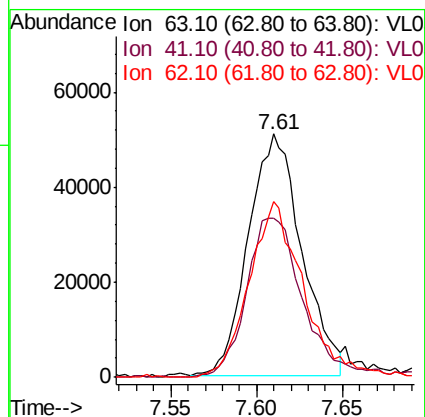
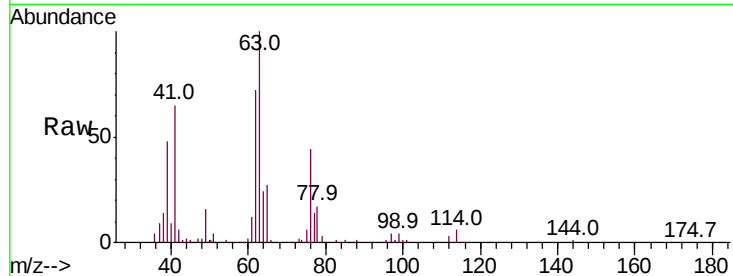


#39
 1,2-Dichloropropane
 Concen: 1.085 ppbv
 RT: 7.61
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 18 Nov 2021 10:04

Tot Ion:
 Ion Ratio
 63 100
 41 65.
 62 72.

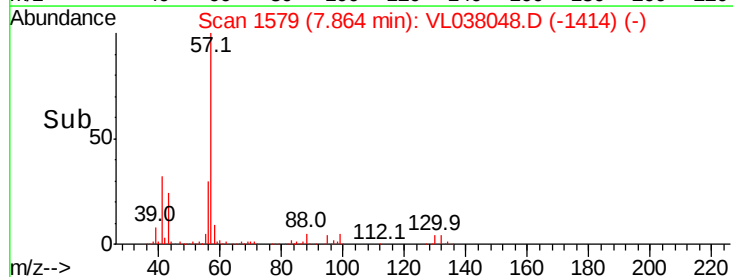
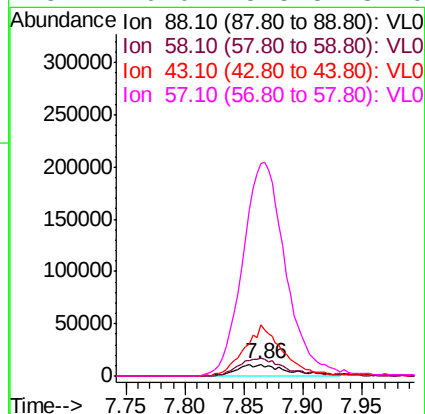
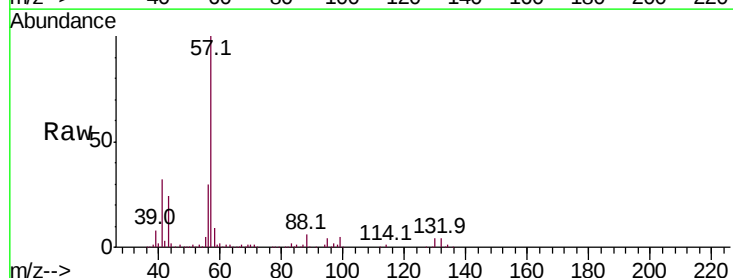
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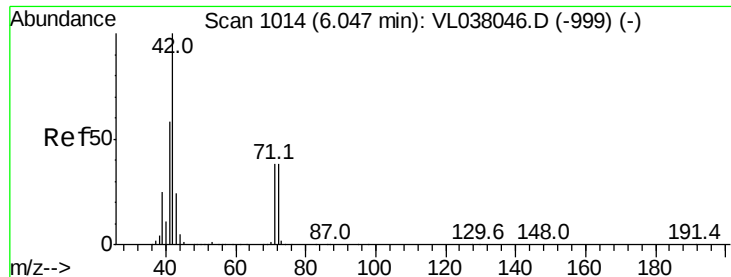
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#40
 1,4-Dioxane
 Concen: 1.270 ppbv m
 RT: 7.86 min Scan# 1579
 Delta R.T. 0.03 min
 Lab File: VL038048.D
 Acq: 18 Nov 2021 10:04

Tgt Ion: 88 Resp: 33026
 Ion Ratio Lower Upper
 88 100
 58 0.0 229.2 343.8#
 43 0.0 553.3 829.9#
 57 0.0 2513.8 3770.8#



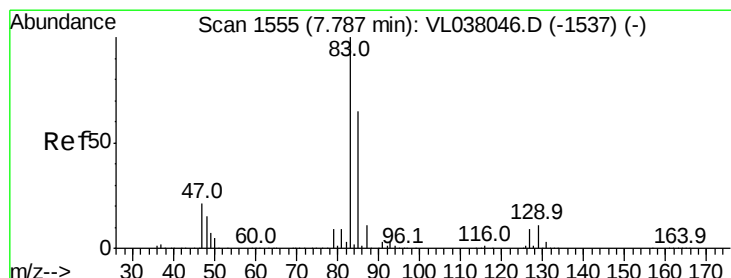
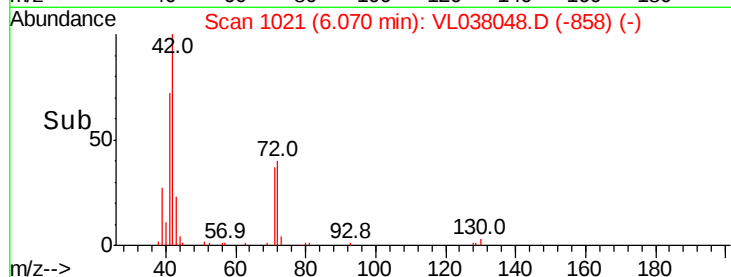
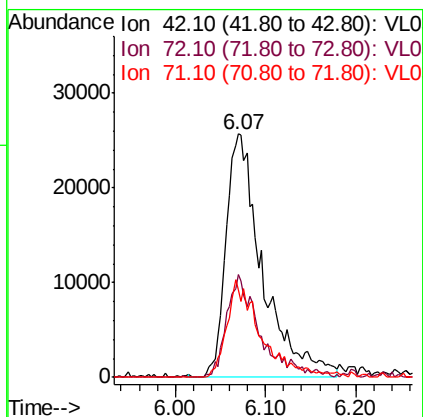
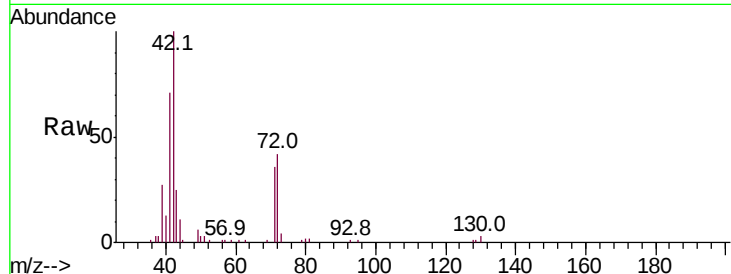


#41
Tetrahydrofuran
Concen: 1.116 ppbv m
RT: 6.07
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 18 Nov 2021 10:04

Tot Ion:
Ion Ratio
42 100
72 38.
71 37.

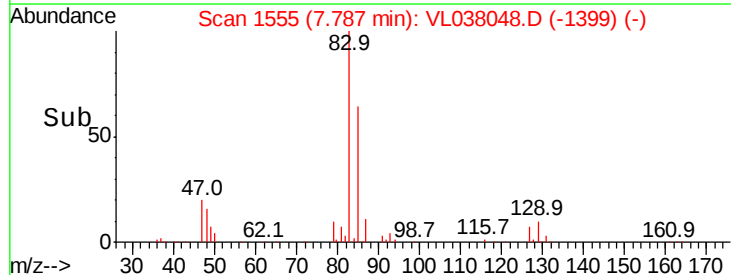
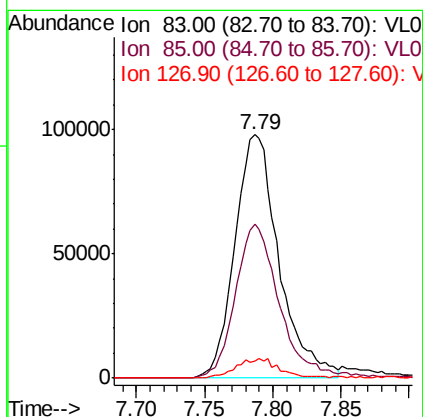
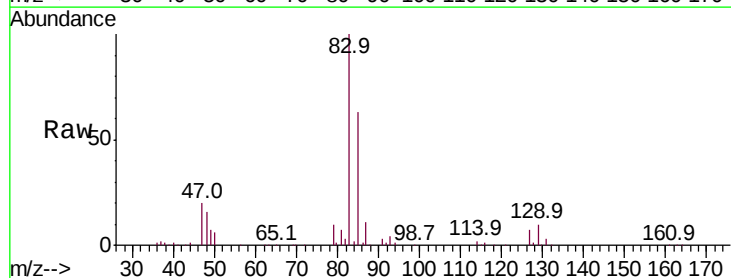
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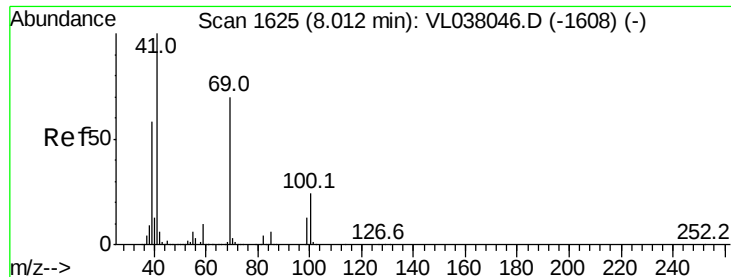
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#42
Bromodichloromethane
Concen: 1.150 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. 0.00 min
Lab File: VL038048.D
Acq: 18 Nov 2021 10:04

Tgt Ion: 83 Resp: 219236
Ion Ratio Lower Upper
83 100
85 63.4 51.9 77.9
127 6.9 6.8 10.2



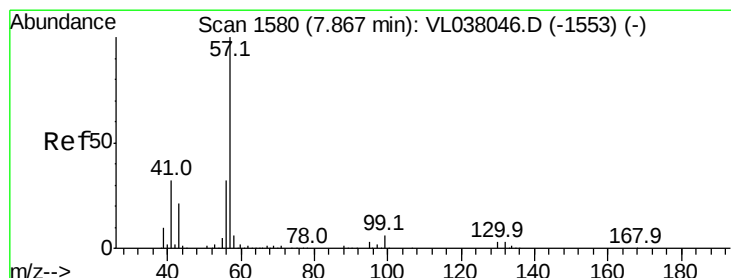
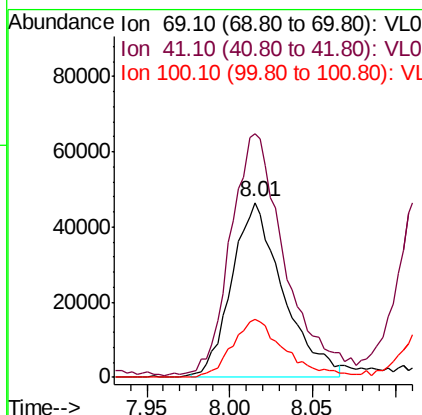
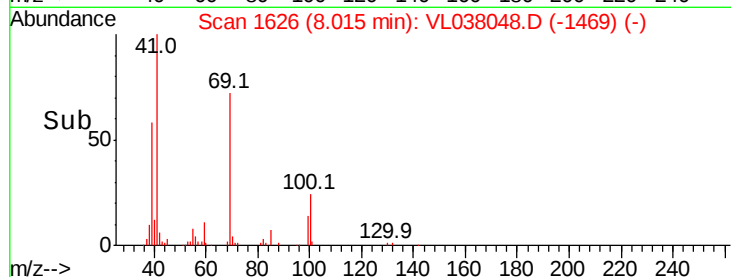
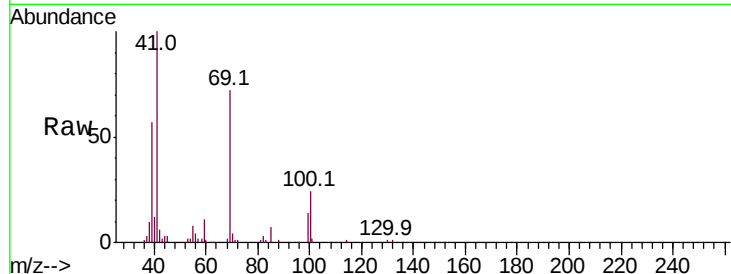


#43
Methyl Methacrylate
Concen: 1.080 ppbv m
RT: 8.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 18 Nov 2021 10:04

Tot Ion:
Ion Ratio
69 100
41 145.
100 34.

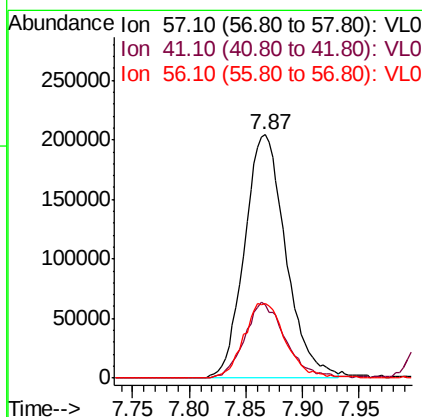
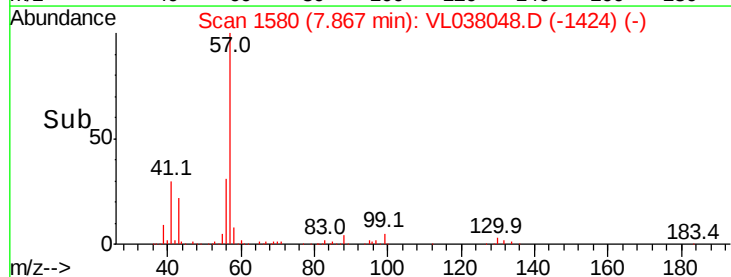
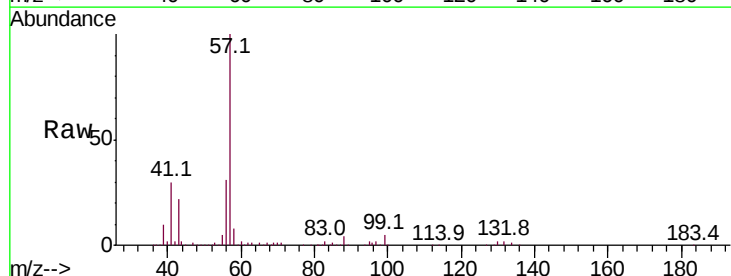
Manual Integrations
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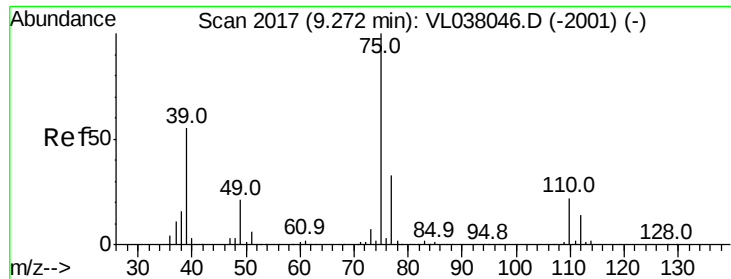
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#44
2,2,4-Trimethylpentane
Concen: 1.159 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VL038048.D
Acq: 18 Nov 2021 10:04

Tgt Ion: 57 Resp: 519228
Ion Ratio Lower Upper
57 100
41 31.3 25.8 38.6
56 31.3 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 0.922 ppbv m

RT: 9.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 10:04 VSTDIC001

Tot Ion:

Ion Ratio

75 100

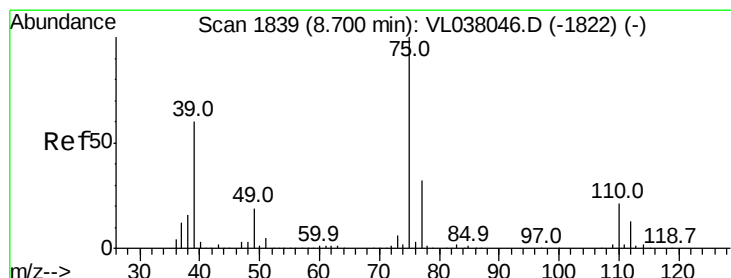
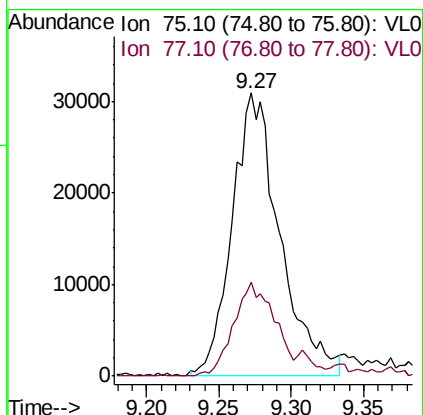
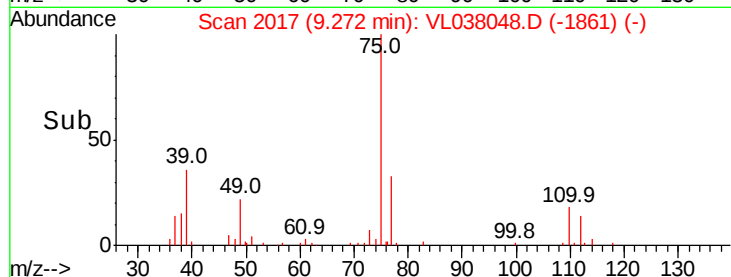
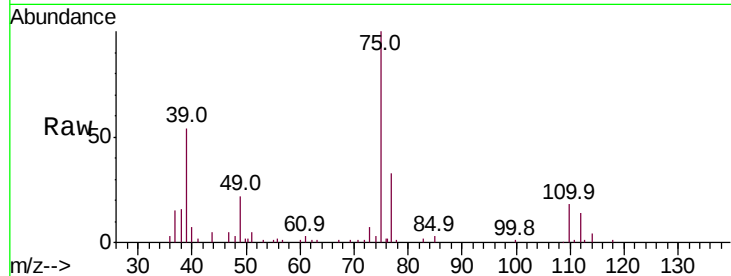
77 33.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#46

cis-1,3-Dichloropropene

Concen: 1.018 ppbv m

RT: 8.70 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VL038048.D

Acq: 18 Nov 2021 10:04

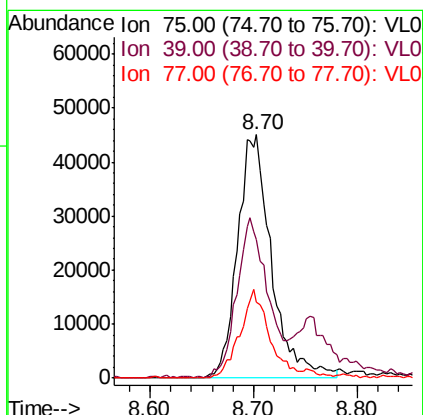
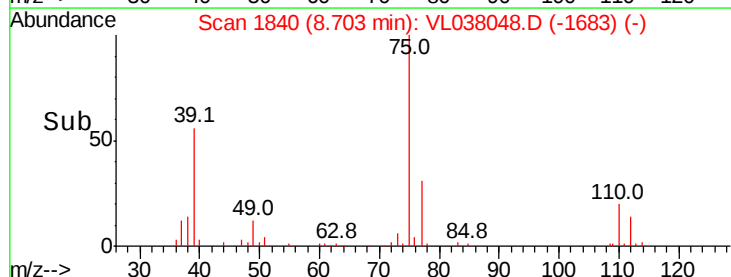
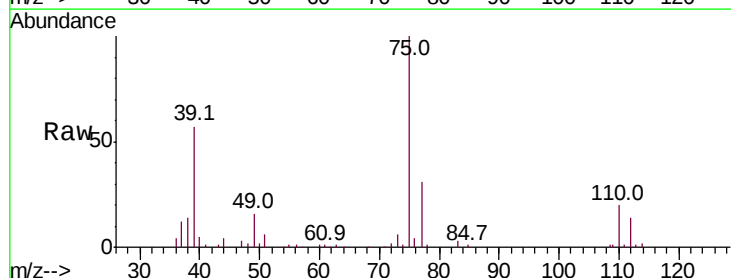
Tgt Ion: 75 Resp: 102510

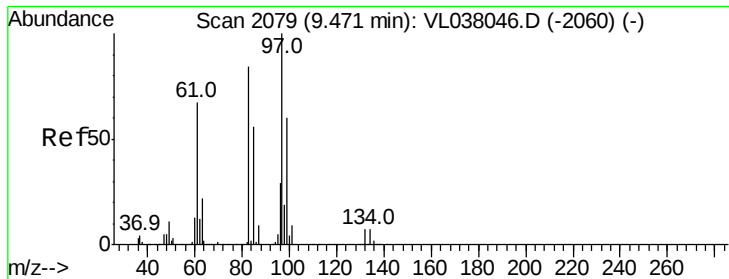
Ion Ratio Lower Upper

75 100

39 57.1 47.8 71.8

77 31.4 25.5 38.3



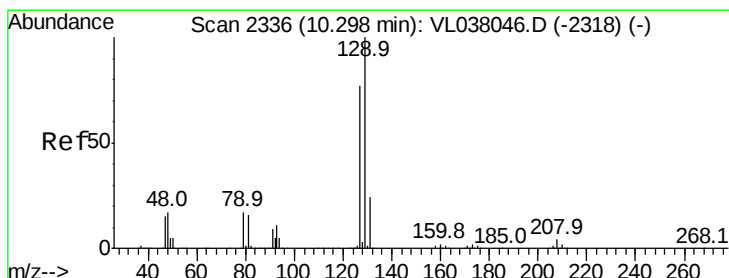
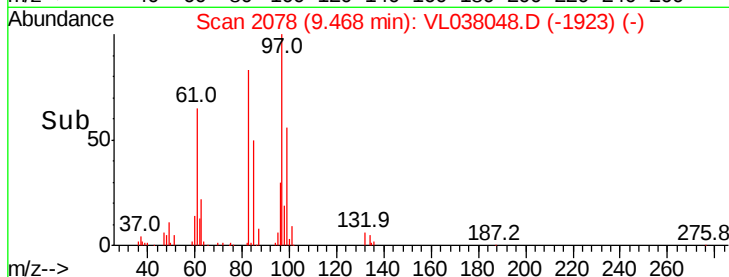
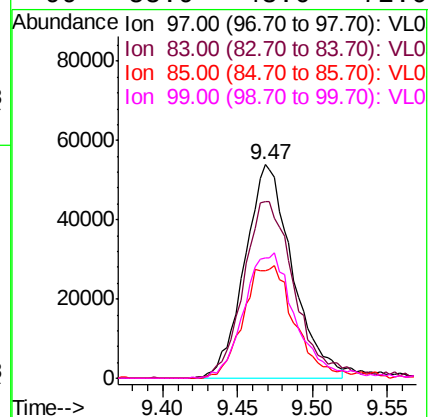
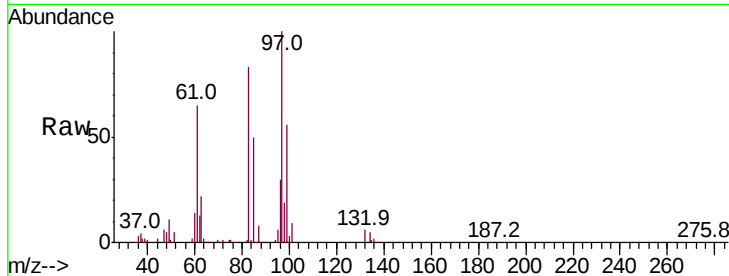


#47
 1,1,2-Trichloroethane
 Concen: 1.167 ppbv
 RT: 9.47 min
 Delta R.T. 0.00 min
 Lab File: VSTDIC001
 Acq: 18 Nov 2021 10:04

Tot Ion: 97.00 (96.70 to 97.70): VL0
 Ion Ratio: 100
 83 82.0
 85 50.0
 99 55.9 48.0 72.0

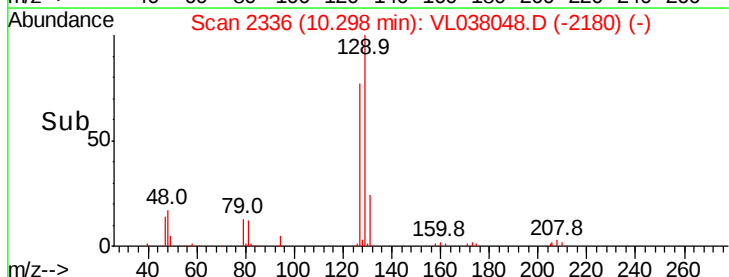
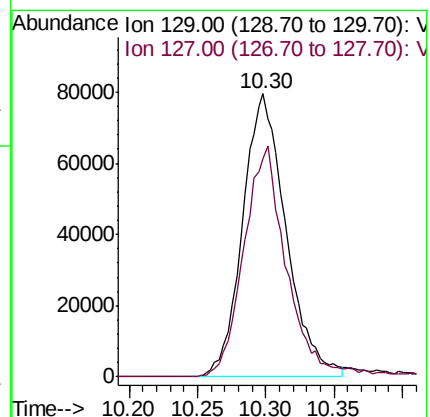
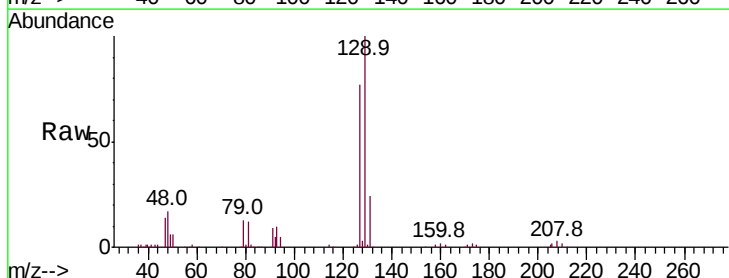
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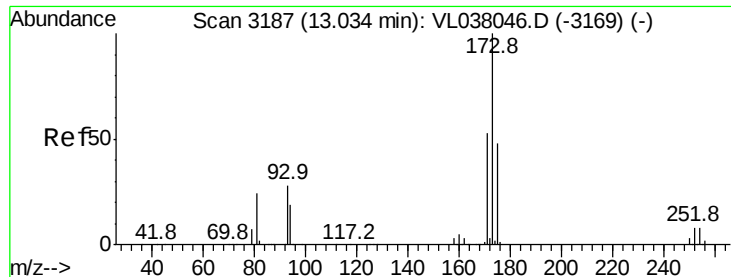
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#48
 Dibromochloromethane
 Concen: 1.056 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: VL038048.D
 Acq: 18 Nov 2021 10:04

Tgt Ion:129 Resp: 175818
 Ion Ratio Lower Upper
 129 100
 127 80.2 39.4 118.1





#49

Bromoform

Concen: 1.008 ppbv

RT: 13.03

Delta R.T.

Lab File:

Acq: 18 Nov 2021 10:04

Instrument:

MSVOA_L

ClientSampleId:

VSTDIC001

Tot Ion:1

Ion Rati

173 100

175 50.

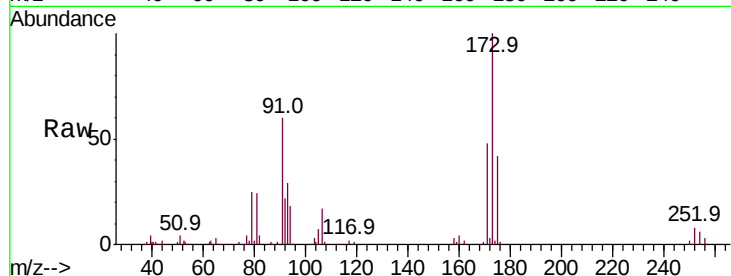
171 53.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

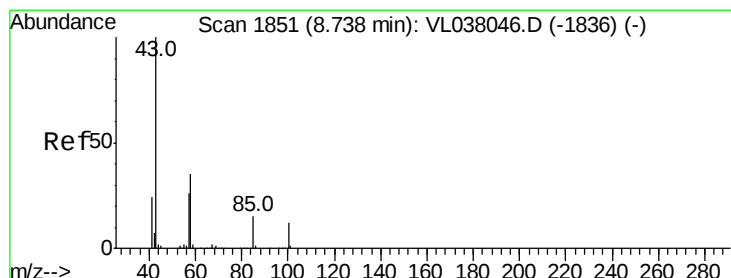
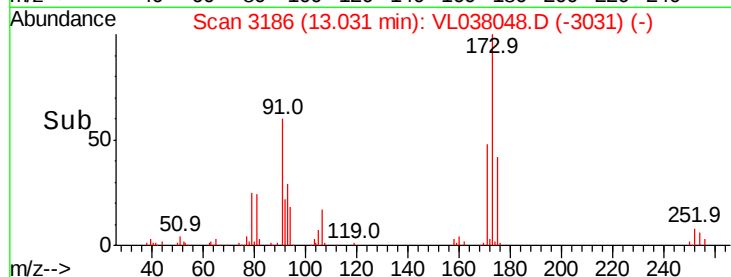
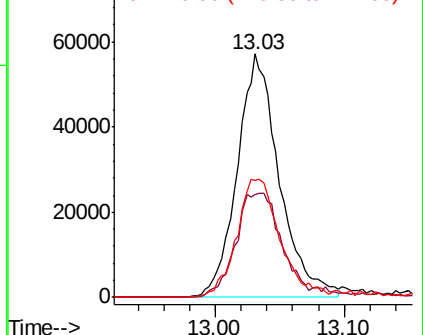
Supervised By :Mahesh Dadoda 11/29/2021



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 1.094 ppbv m

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL038048.D

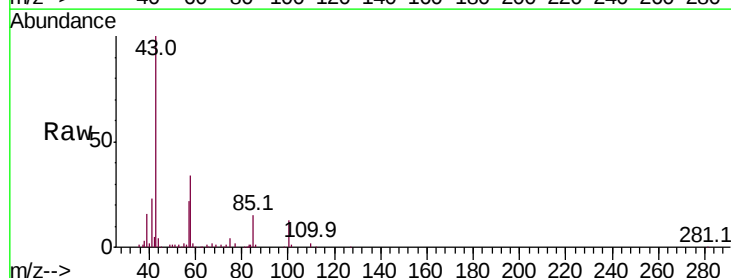
Acq: 18 Nov 2021 10:04

Tgt Ion: 43 Resp: 178385

Ion Ratio Lower Upper

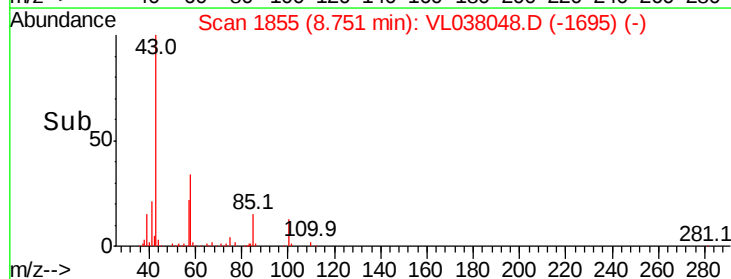
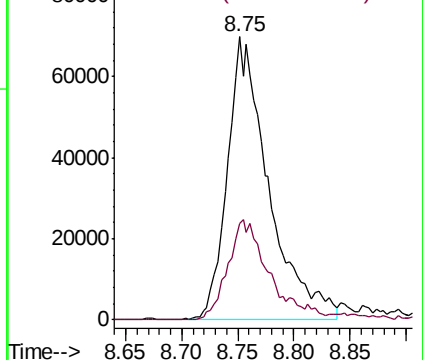
43 100

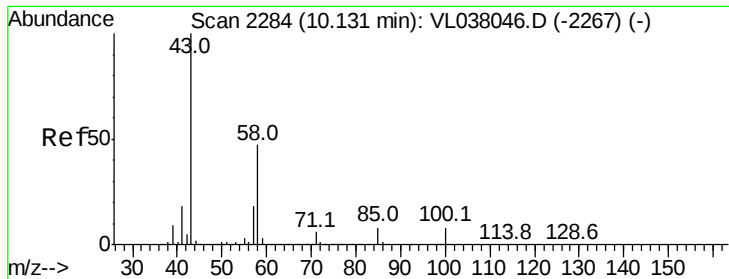
58 0.0 29.4 44.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



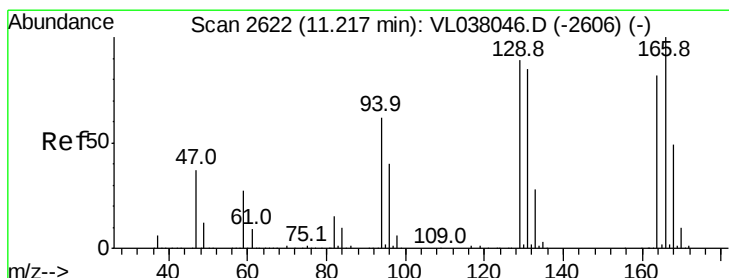
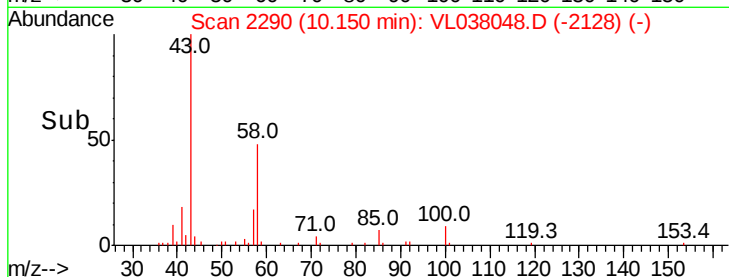
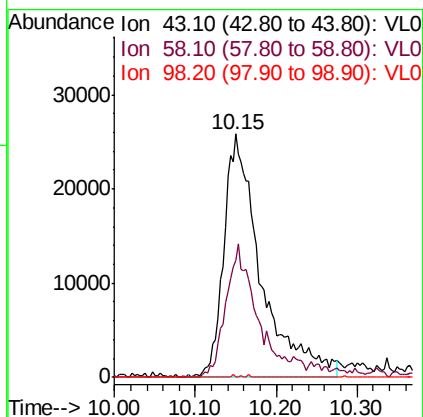
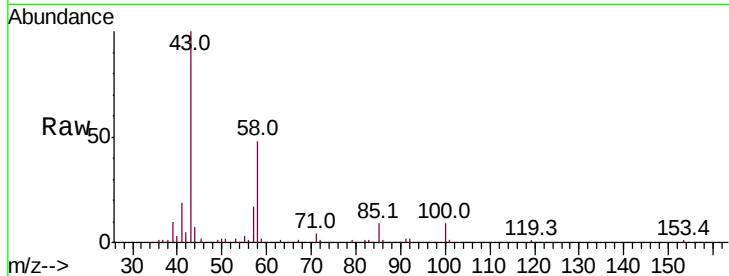


#51
2-Hexanone
Concen: 1.095 ppbv m
RT: 10.15
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 18 Nov 2021 10:04

Tot Ion:
Ion Ratio
43 100
58 51.
98 0.

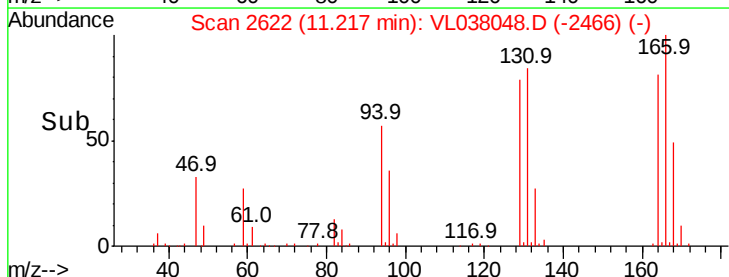
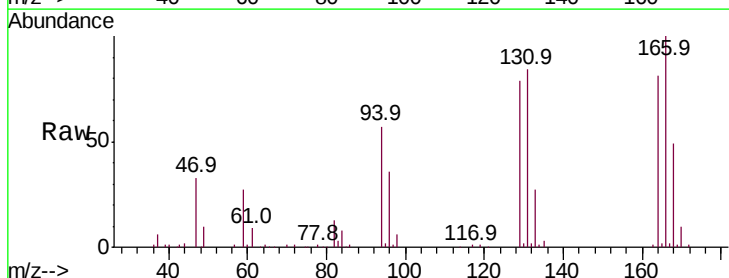
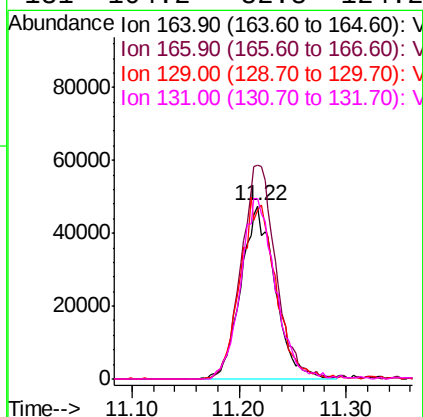
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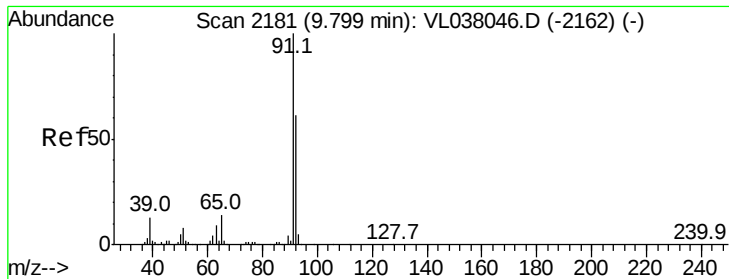
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#52
Tetrachloroethene
Concen: 1.072 ppbv m
RT: 11.22 min Scan# 2622
Delta R.T. 0.00 min
Lab File: VL038048.D
Acq: 18 Nov 2021 10:04

Tgt Ion:164 Resp: 105504
Ion Ratio Lower Upper
164 100
166 123.4 97.2 145.8
129 97.7 86.9 130.3
131 104.2 82.8 124.2





#53

Toluene

Concen: 1.132 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 18 Nov 2021 10:04 VSTDIC001

Tot Ion:

Ion Ratio

91 100

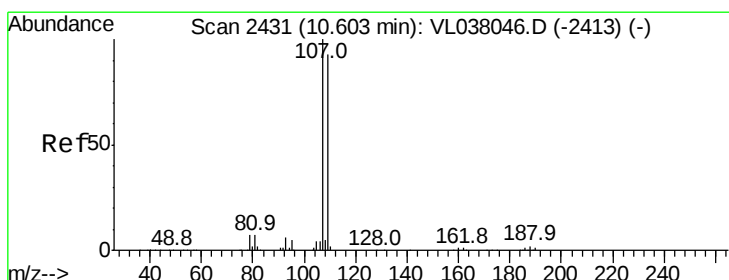
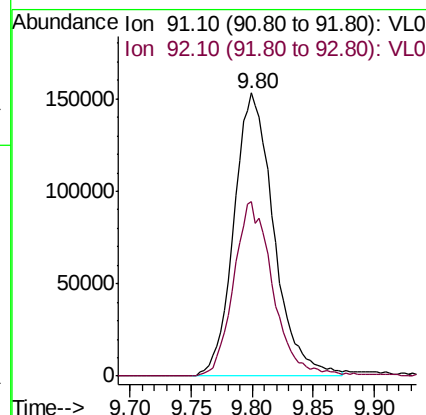
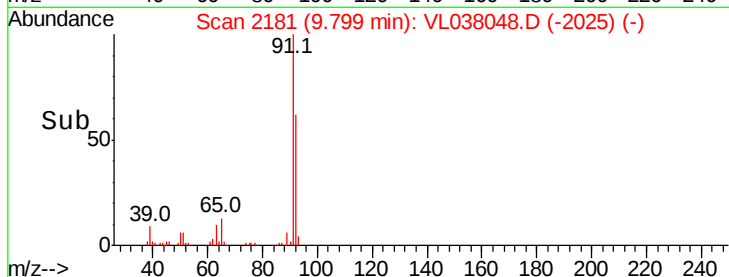
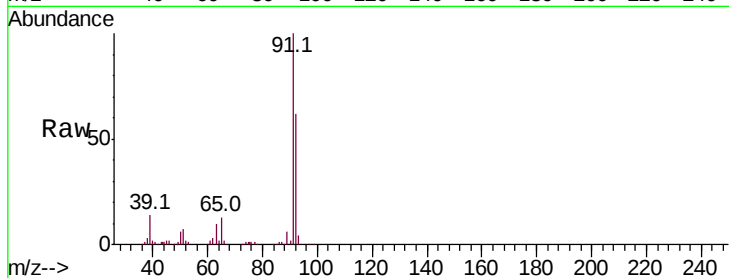
92 61.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#54

1,2-Dibromoethane

Concen: 1.189 ppbv m

RT: 10.60 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VL038048.D

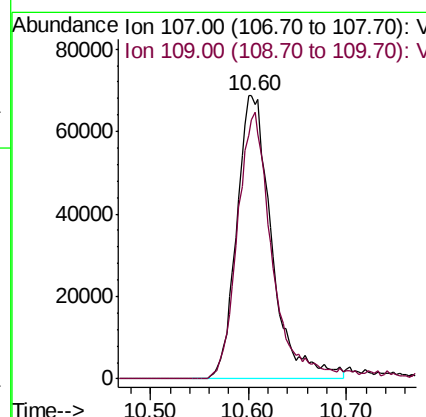
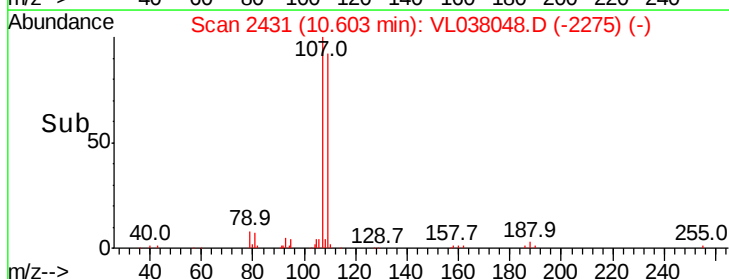
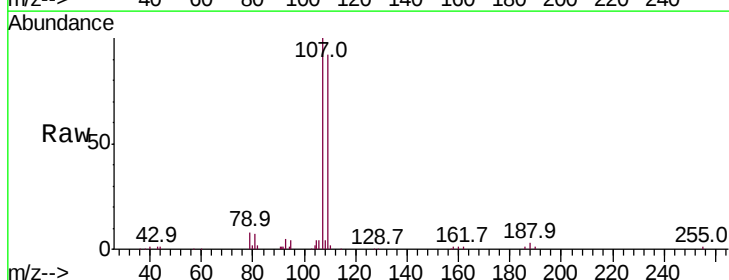
Acq: 18 Nov 2021 10:04

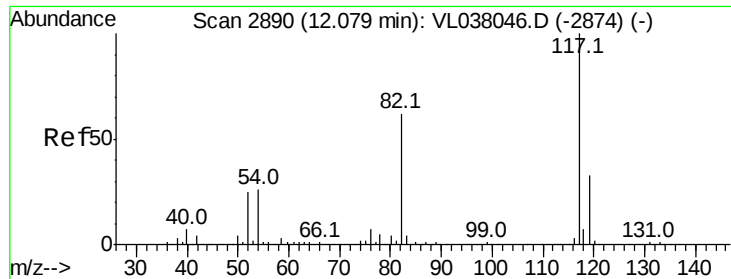
Tgt Ion:107 Resp: 170575

Ion Ratio Lower Upper

107 100

109 91.7 74.6 111.8



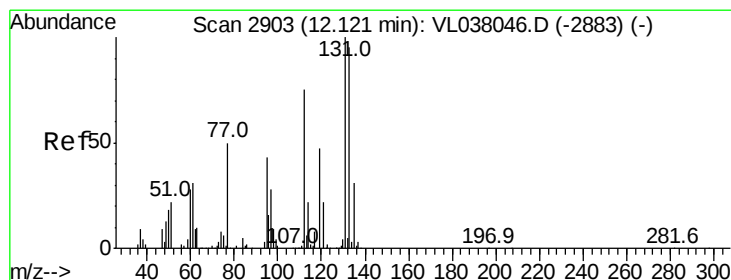
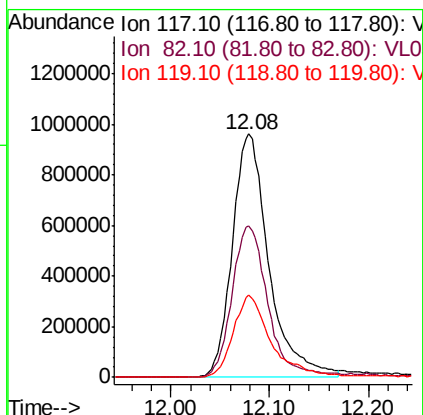
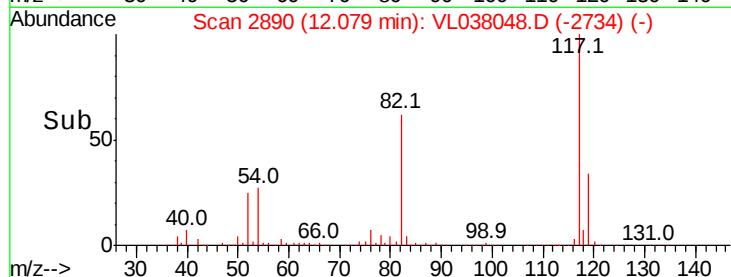
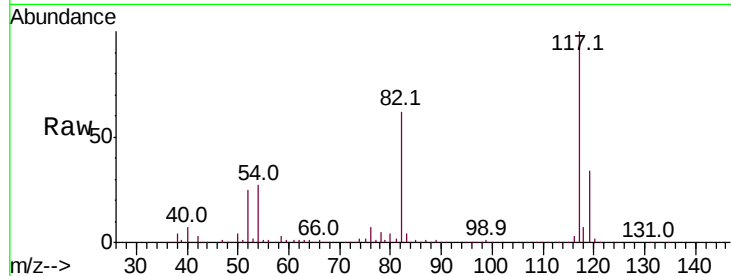


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC001
Acq: 18 Nov 2021 10:04

Tot Ion:1
Ion Rati
117 100
82 63.
119 36.

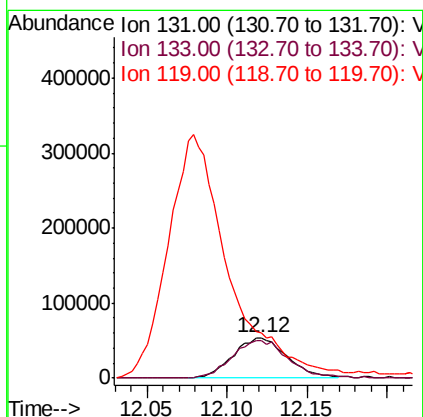
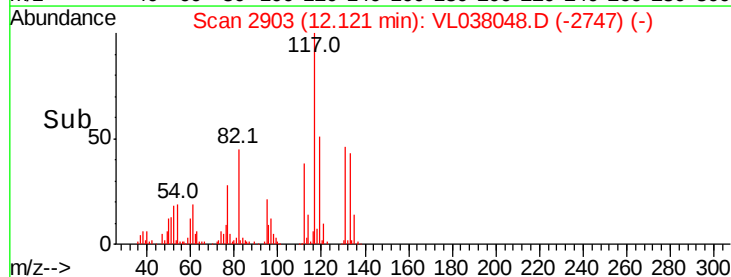
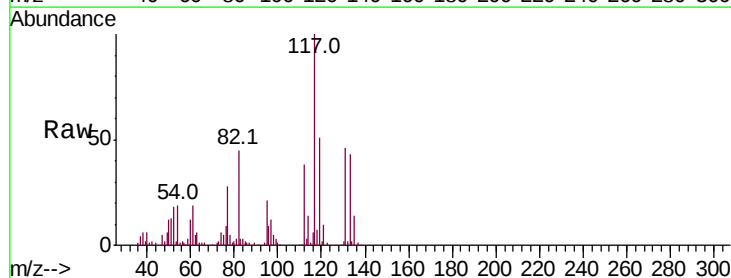
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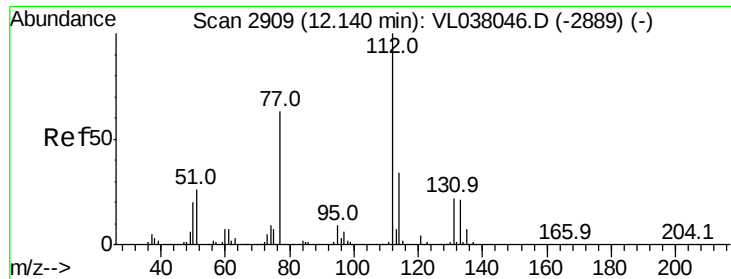
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#56
1,1,1,2-Tetrachloroethane
Concen: 1.134 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.00 min
Lab File: VL038048.D
Acq: 18 Nov 2021 10:04

Tgt Ion:131 Resp: 122810
Ion Ratio Lower Upper
131 100
133 98.7 78.8 118.2
119 726.8 56.3 84.5#





#57

Chlorobenzene

Concen: 1.230 ppbv

RT: 12.14

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Nov 2021 10:04

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021

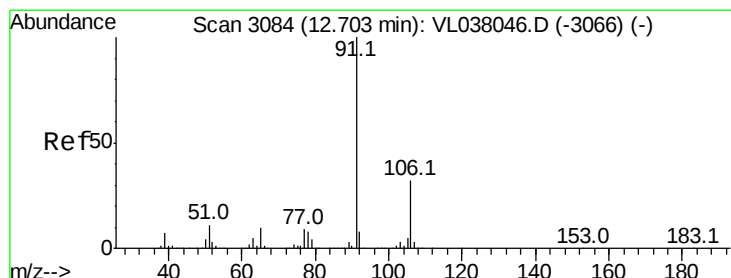
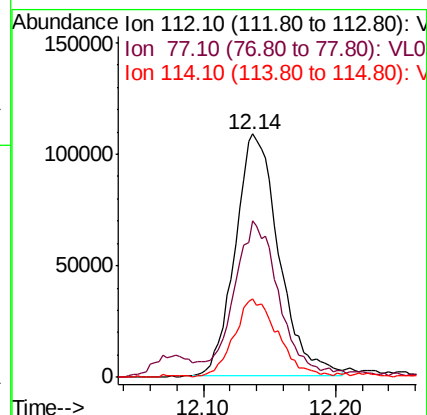
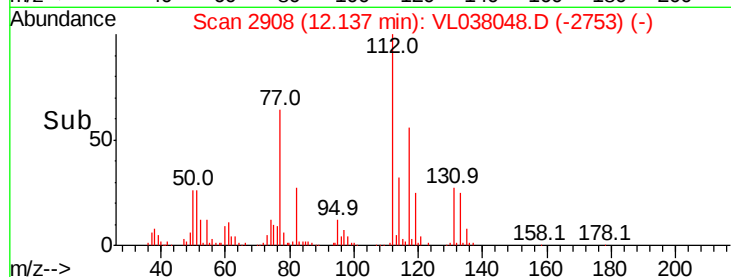
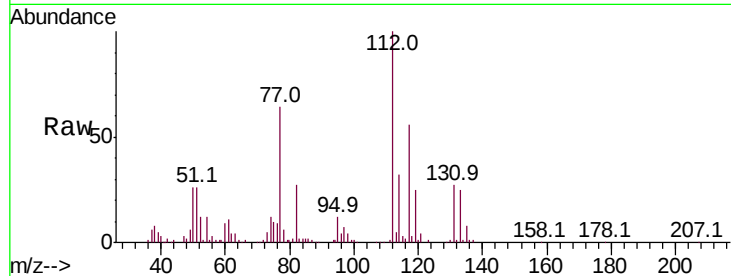
Tot Ion:1

Ion Rati

112 100

77 61.

114 32.



#58

Ethyl Benzene

Concen: 1.203 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. 0.00 min

Lab File: VL038048.D

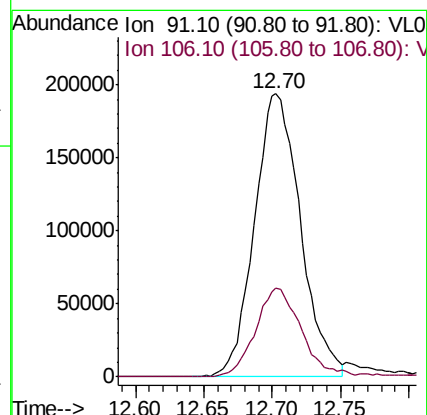
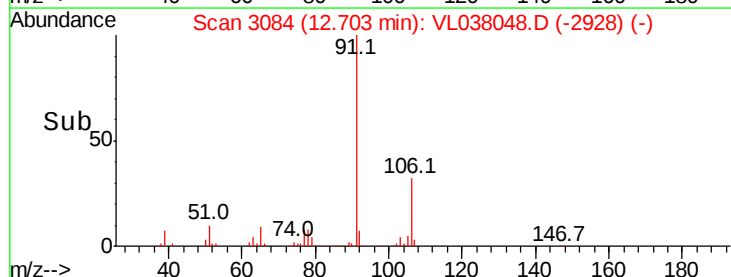
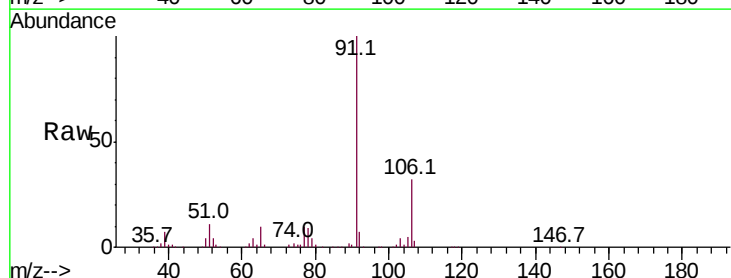
Acq: 18 Nov 2021 10:04

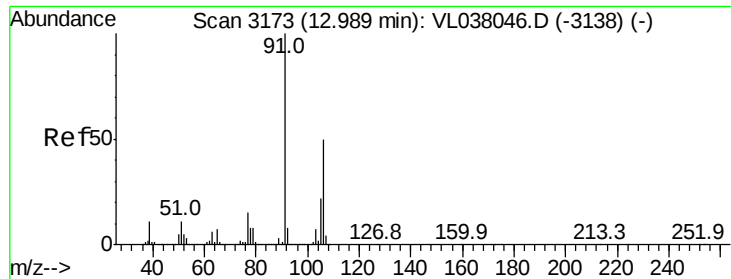
Tgt Ion: 91 Resp: 453050

Ion Ratio Lower Upper

91 100

106 31.5 25.8 38.6



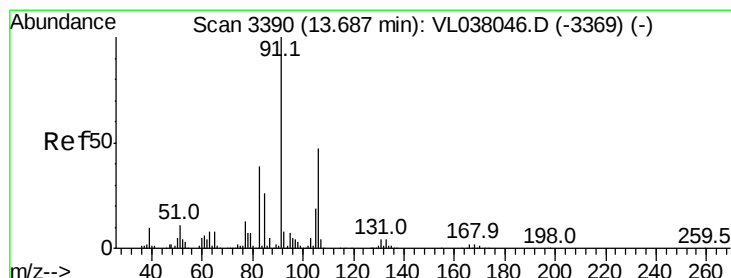
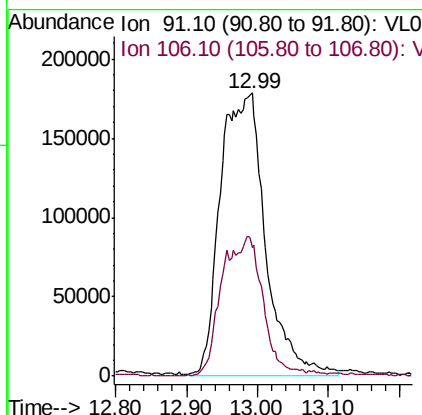
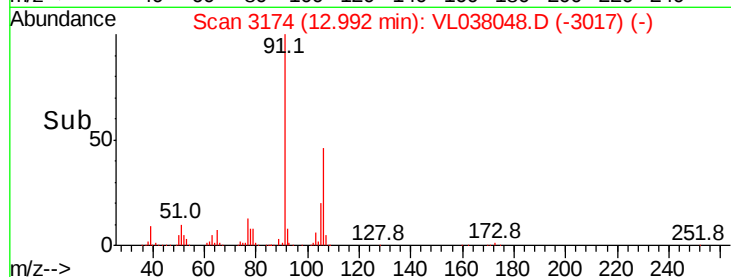
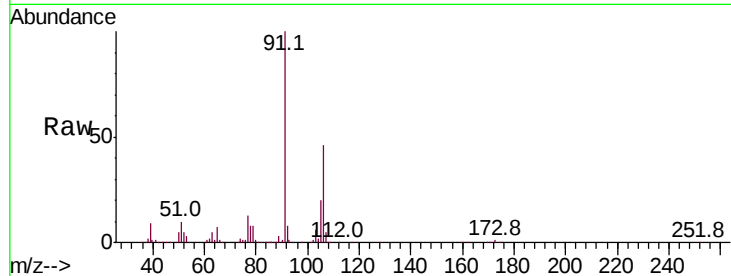


#59
m/p-Xylene
Concen: 2.524 ppbv m
RT: 12.99
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 18 Nov 2021 10:04

Tot Ion:
Ion Ratio
91 100
106 45.

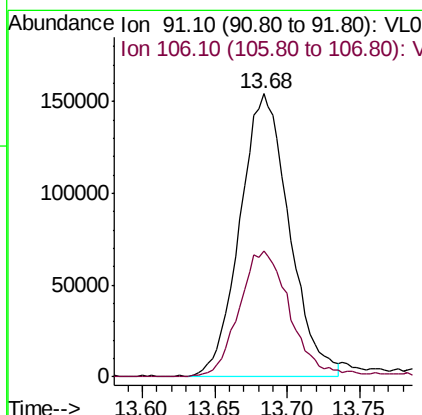
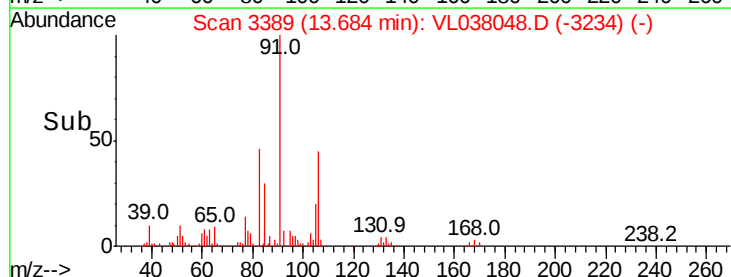
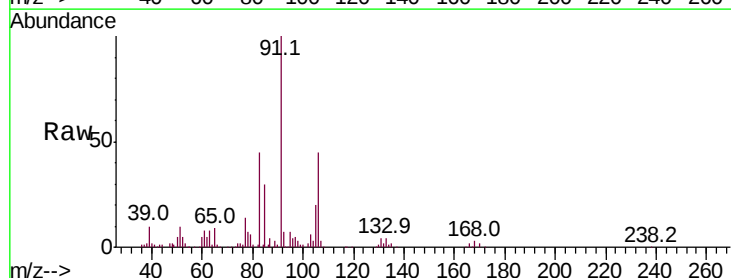
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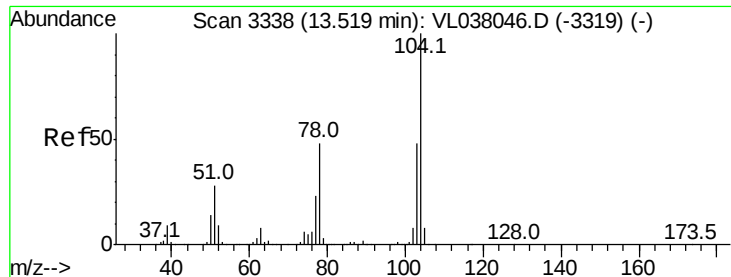
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#60
o-Xylene
Concen: 1.251 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VL038048.D
Acq: 18 Nov 2021 10:04

Tgt Ion: 91 Resp: 363526
Ion Ratio Lower Upper
91 100
106 46.7 24.2 72.6



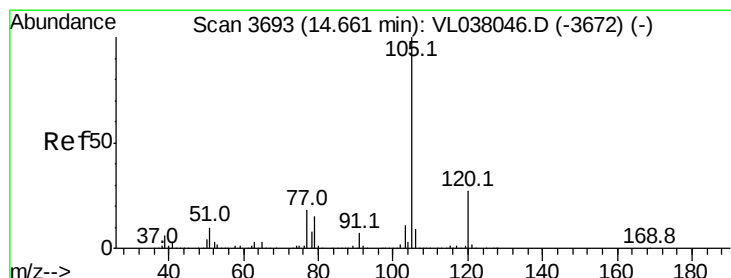
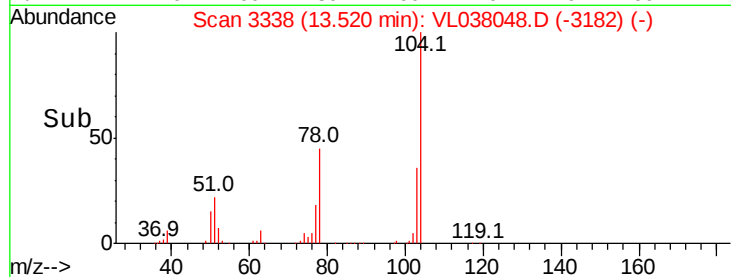
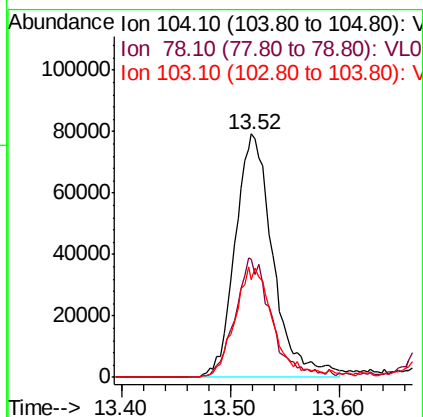
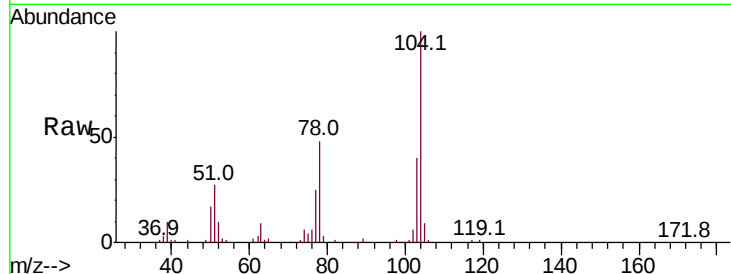


#61
Stvrene
Concen: 1.180 ppbv m
RT: 13.52
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC001
Acq: 18 Nov 2021 10:04

Tot Ion:1
Ion Rati
104 100
78 47.
103 46.

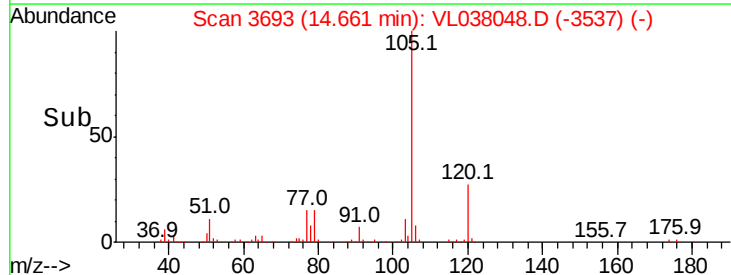
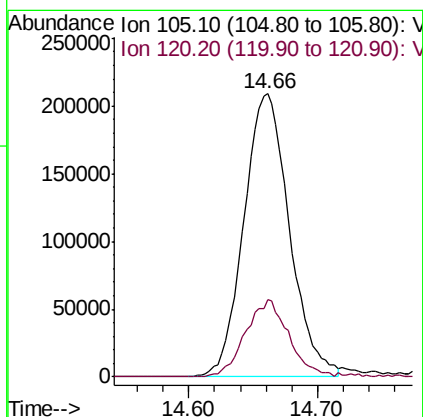
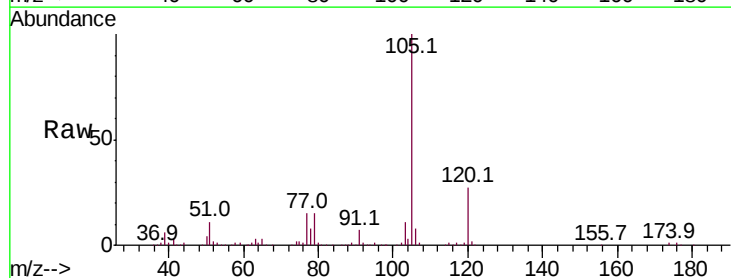
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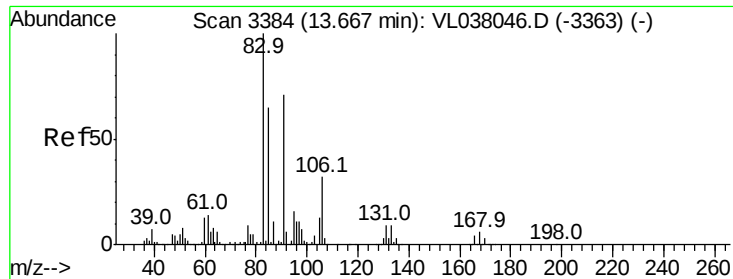
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#62
Isopropylbenzene
Concen: 1.226 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. 0.00 min
Lab File: VL038048.D
Acq: 18 Nov 2021 10:04

Tgt Ion:105 Resp: 515035
Ion Ratio Lower Upper
105 100
120 26.5 21.8 32.6





#63

1,1,2,2-Tetrachloroethane

Concen: 1.216 ppbv

RT: 13.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Nov 2021 10:04

Tot Ion:

Ion Ratio

83 100

131 8.

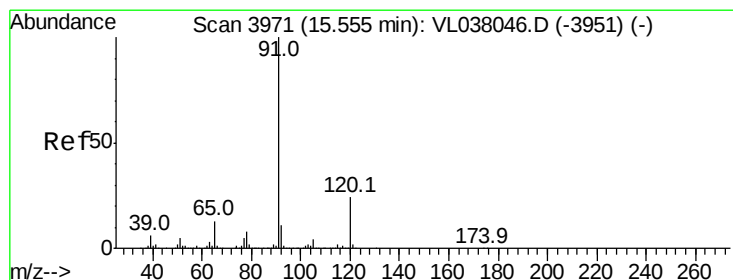
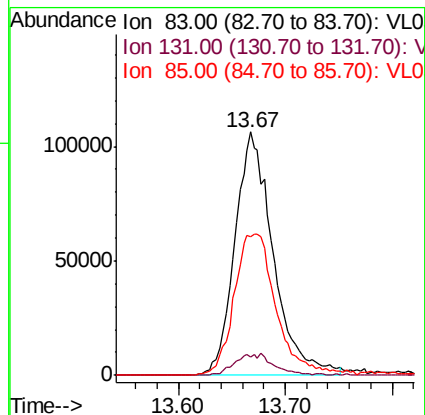
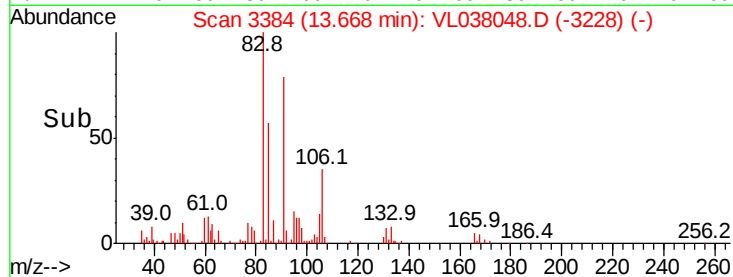
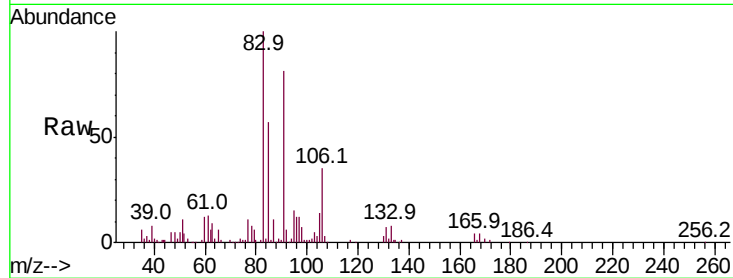
85 64.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#64

n-propylbenzene

Concen: 1.157 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VL038048.D

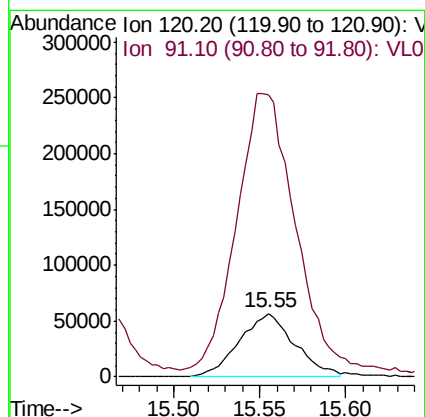
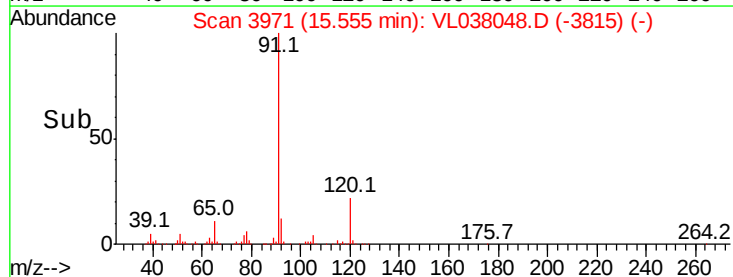
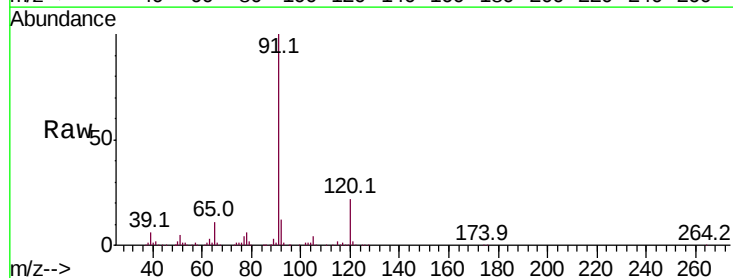
Acq: 18 Nov 2021 10:04

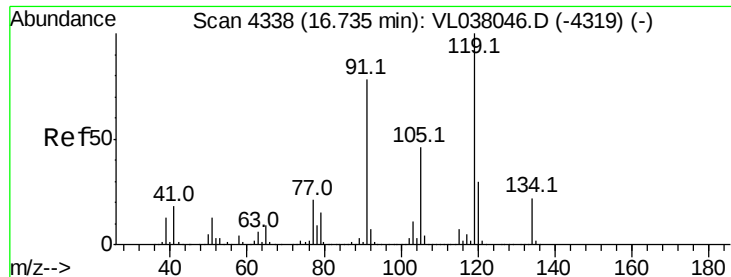
Tgt Ion:120 Resp: 123945

Ion Ratio Lower Upper

120 100

91 516.3 371.7 557.5



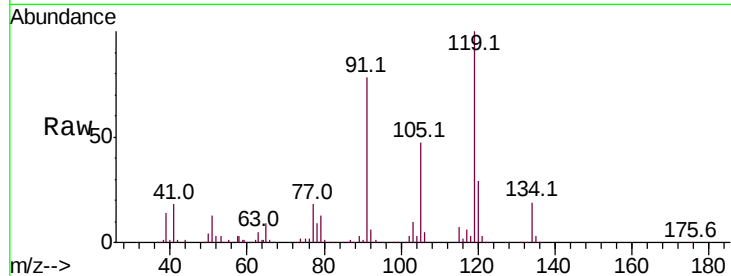


#65
 tert-Butylbenzene
 Concen: 1.273 ppbv
 RT: 16.73 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 18 Nov 2021 10:04

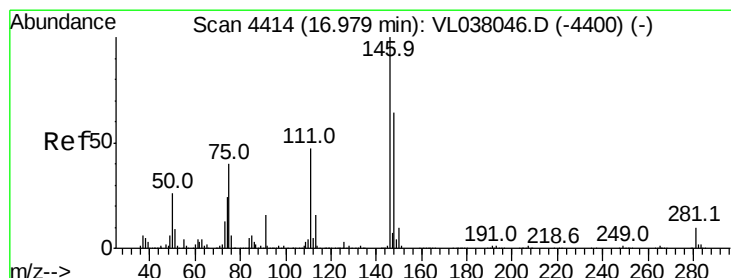
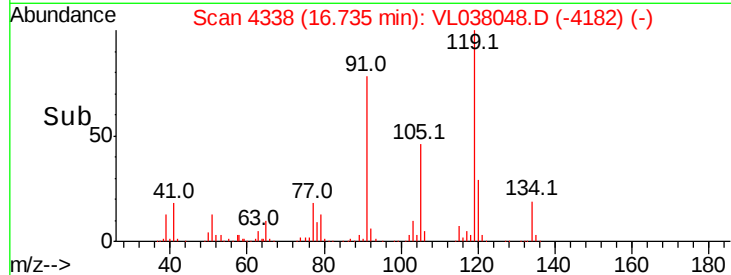
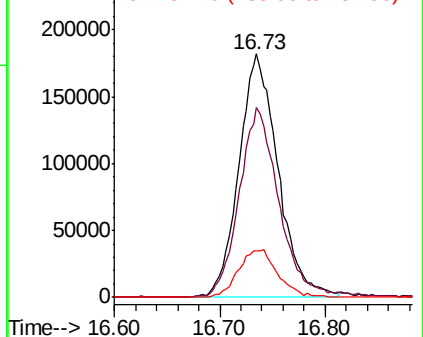
Tot Ion: 1
 Ion Ratio
 119 100
 91 79.
 134 19.

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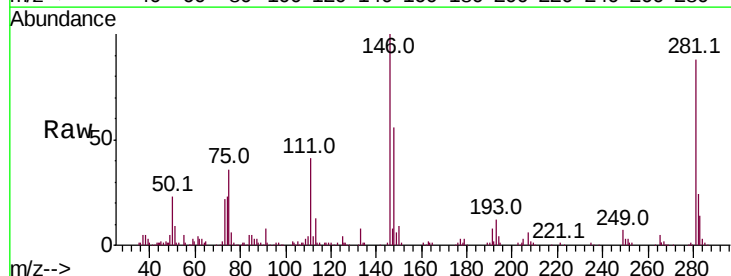


Abundance Ion 119.20 (118.90 to 119.90): V
 250000
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

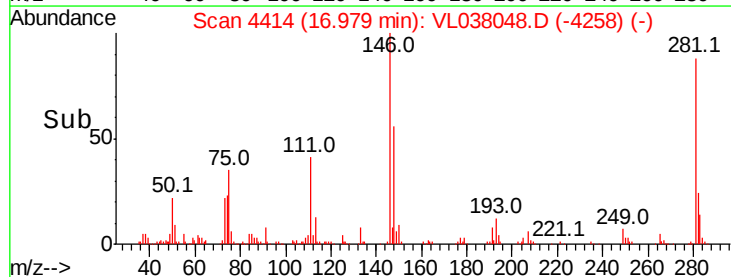
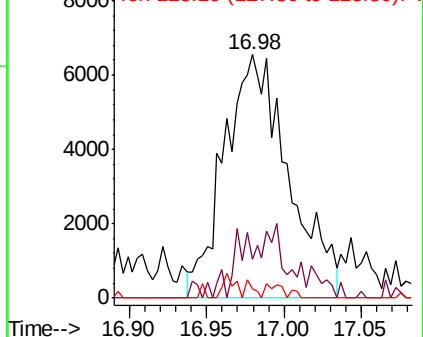


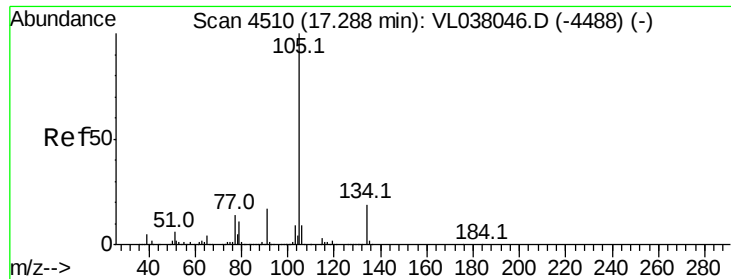
#66
 Benzyl Chloride
 Concen: 0.736 ppbv m
 RT: 16.98 min Scan# 4414
 Delta R.T.: 0.00 min
 Lab File: VL038048.D
 Acq: 18 Nov 2021 10:04

Tgt Ion: 91 Resp: 18946
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.5 23.3#
 128 4.8 5.6 8.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0
 8000
 Ion 126.10 (125.80 to 126.80): V
 Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 1.250 ppbv

RT: 17.29

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 18 Nov 2021 10:04

Tot Ion:1

Ion Ratio

105 100

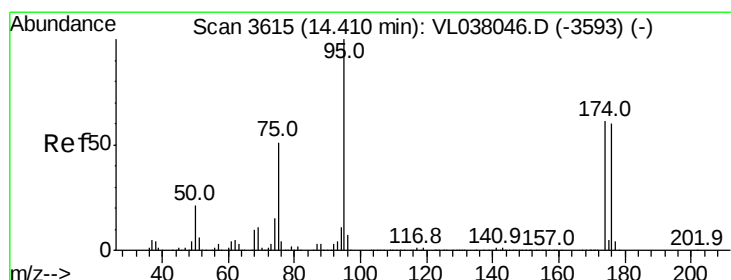
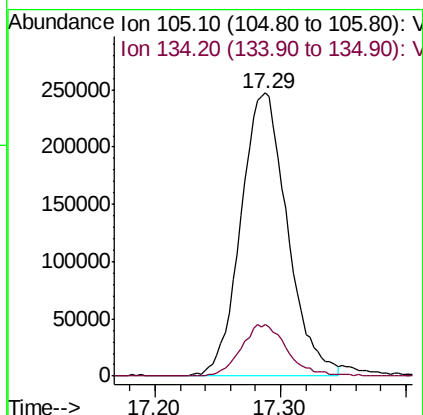
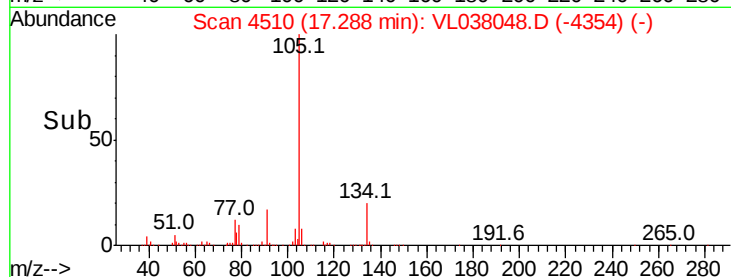
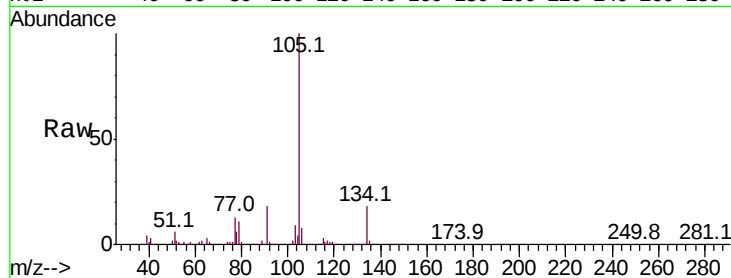
134 18.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#68

1-Bromo-4-Fluorobenzene

Concen: 10.048 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.00 min

Lab File: VL038048.D

Acq: 18 Nov 2021 10:04

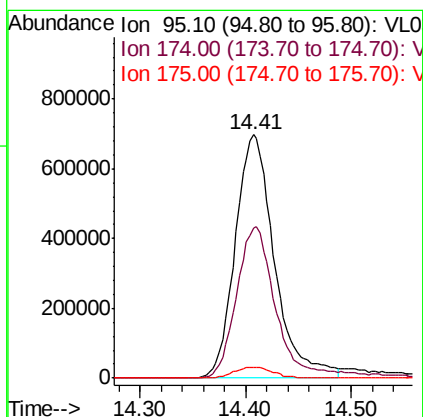
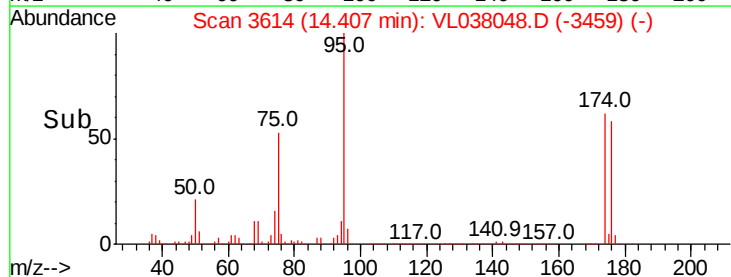
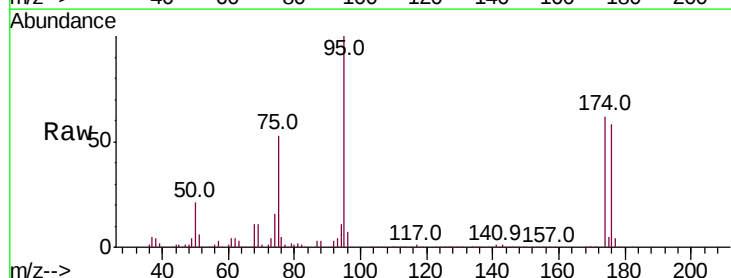
Tgt Ion: 95 Resp: 1800688

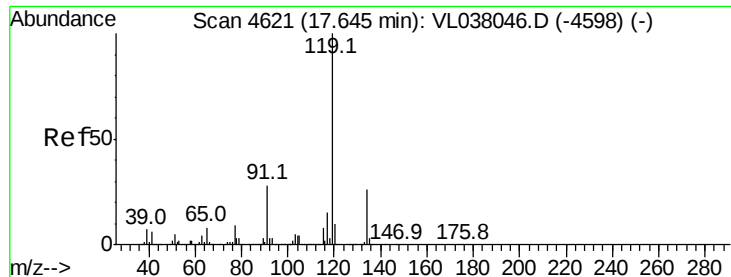
Ion Ratio Lower Upper

95 100

174 65.1 53.1 79.7

175 4.8 4.0 6.0





#69

p-Isopropyltoluene

Concen: 1.210 ppbv

RT: 17.64

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Nov 2021 10:04

Tot Ion:1

Ion Rati

119 100

134 26.

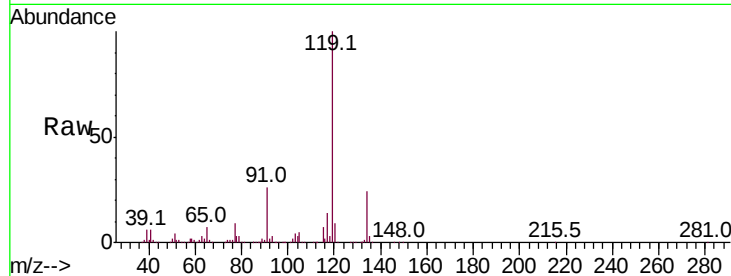
91 28.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

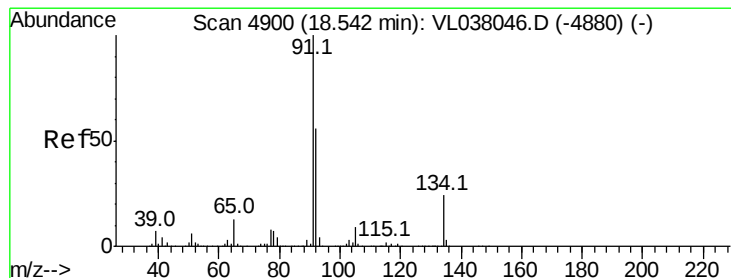
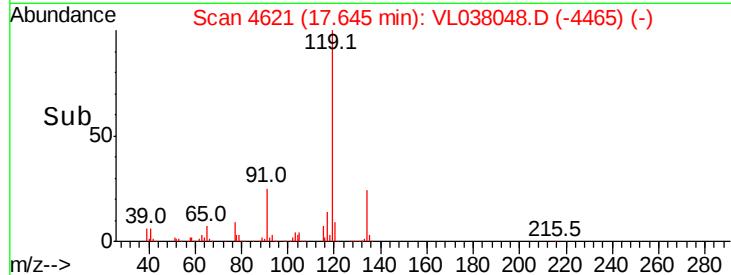
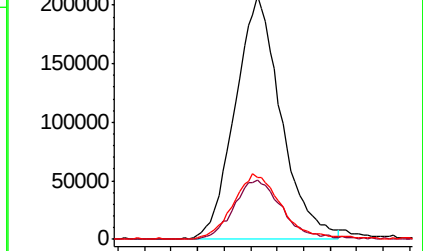
Supervised By :Mahesh Dadoda 11/29/2021



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VLO



#70

n-Butylbenzene

Concen: 1.271 ppbv

RT: 18.54 min Scan# 4900

Delta R.T. 0.00 min

Lab File: VL038048.D

Acq: 18 Nov 2021 10:04

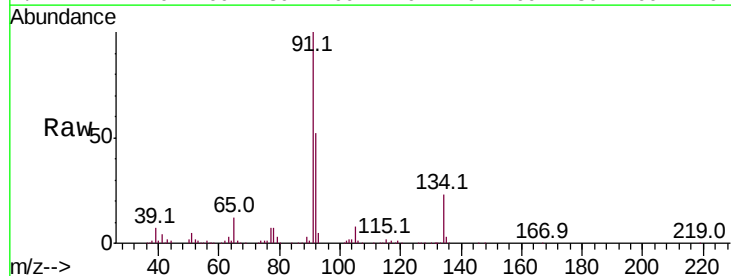
Tgt Ion: 91 Resp: 478177

Ion Ratio Lower Upper

91 100

92 54.3 44.1 66.1

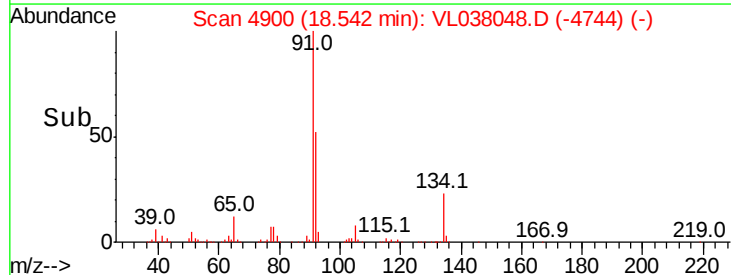
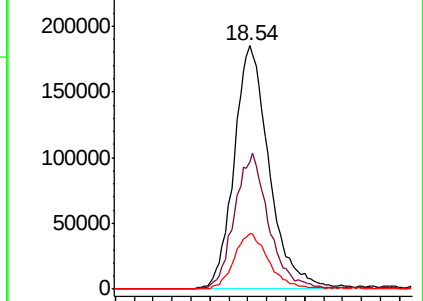
134 22.9 18.9 28.3

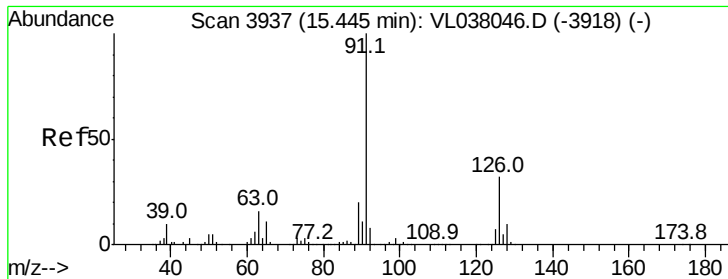


Abundance Ion 91.10 (90.80 to 91.80): VLO

Ion 92.10 (91.80 to 92.80): VLO

Ion 134.20 (133.90 to 134.90): V



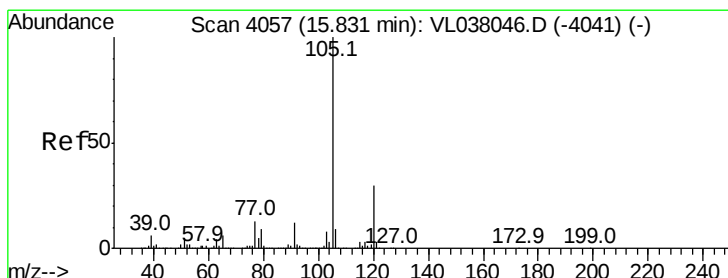
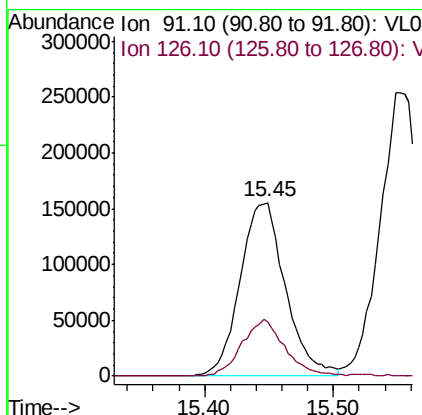
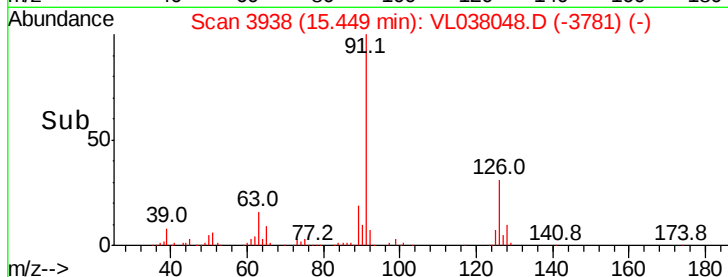
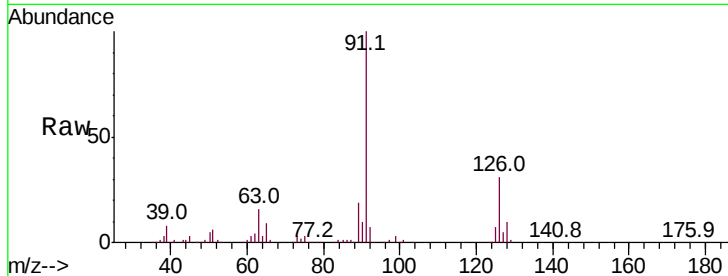


#71
 2-Chlorotoluene
 Concen: 1.269 ppbv
 RT: 15.45
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 18 Nov 2021 10:04

Tot Ion:
 Ion Ratio
 91 100
 126 31.

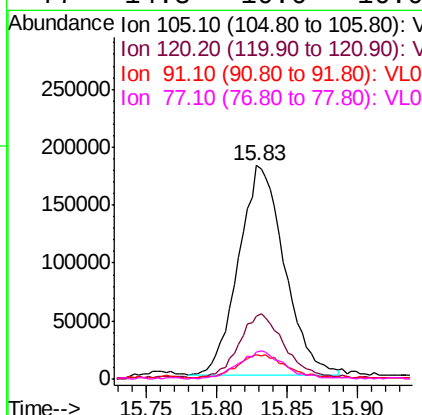
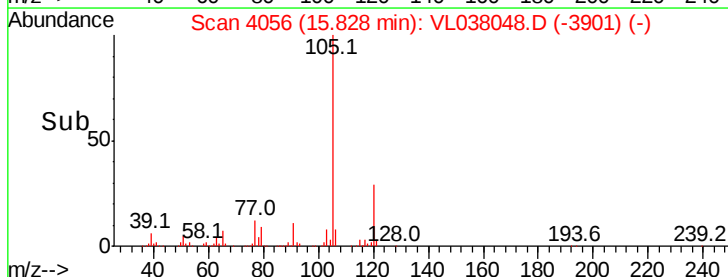
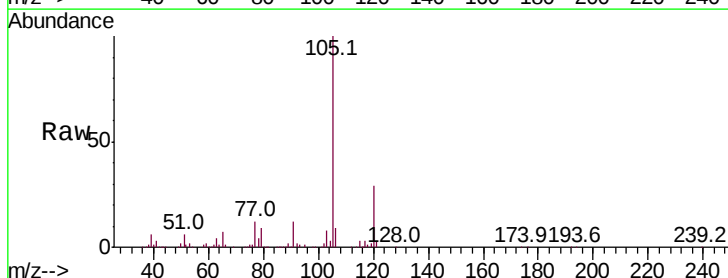
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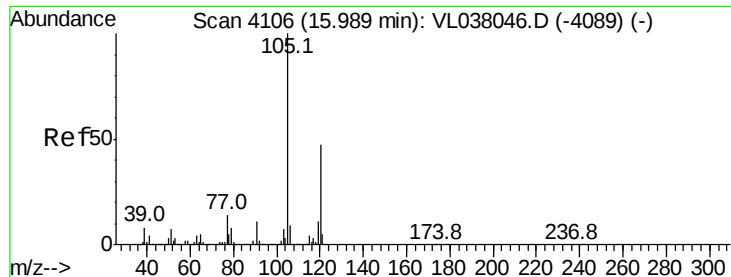
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#72
 4-Ethyltoluene
 Concen: 1.187 ppbv
 RT: 15.83 min Scan# 4056
 Delta R.T. -0.00 min
 Lab File: VL038048.D
 Acq: 18 Nov 2021 10:04

Tgt Ion:105 Resp: 411082
 Ion Ratio Lower Upper
 105 100
 120 31.8 25.1 37.7
 91 12.0 9.7 14.5
 77 14.3 10.6 16.0



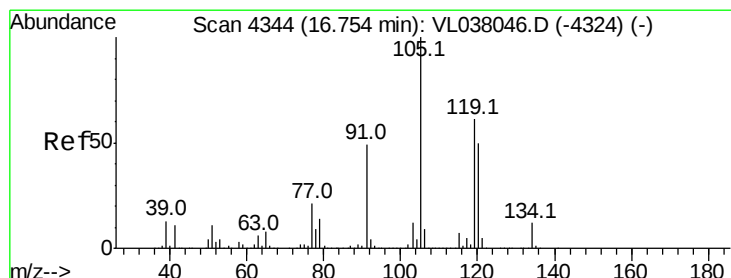
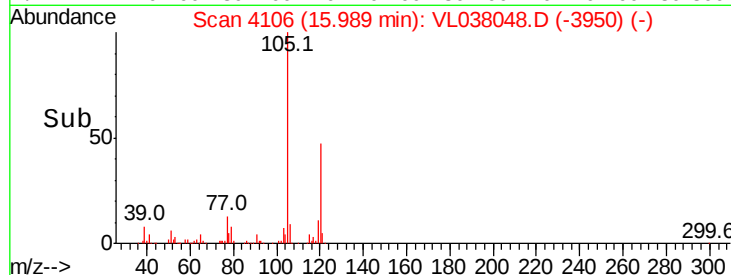
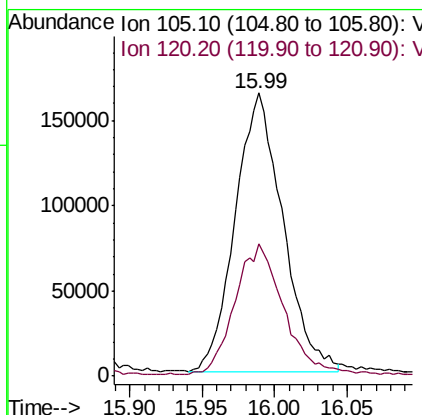
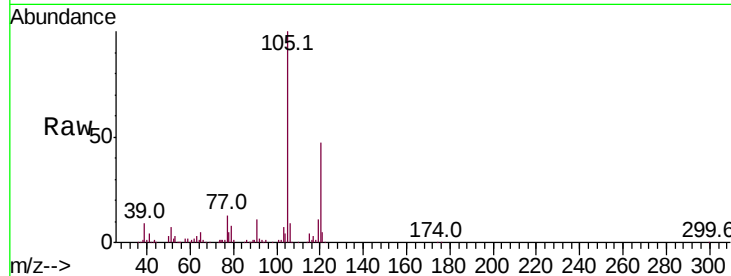


#73
 1,3,5-Trimethylbenzene
 Concen: 1.176 ppbv
 RT: 15.99 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 18 Nov 2021 10:04

Tot Ion:1
 Ion Rati
 105 100
 120 47.

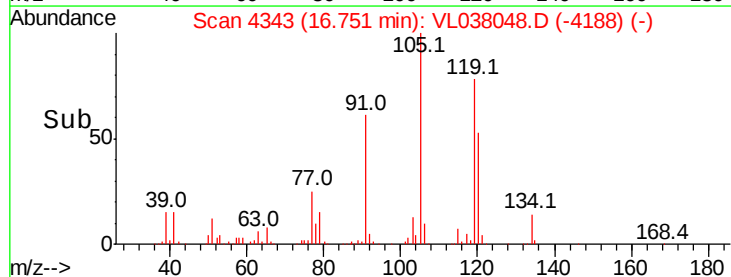
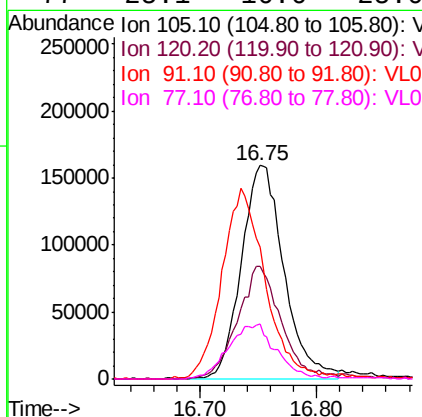
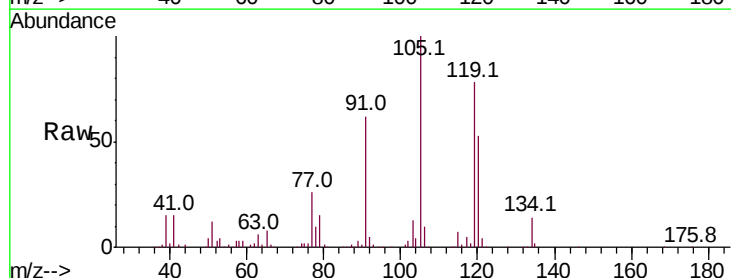
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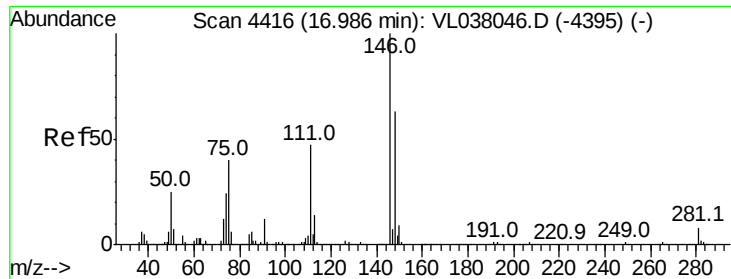
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#74
 1,2,4-Trimethylbenzene
 Concen: 1.271 ppbv
 RT: 16.75 min Scan# 4343
 Delta R.T. -0.00 min
 Lab File: VL038048.D
 Acq: 18 Nov 2021 10:04

Tgt Ion:105 Resp: 405559
 Ion Ratio Lower Upper
 105 100
 120 52.8 40.1 60.1
 91 60.5 39.8 59.8#
 77 25.1 16.6 25.0#





#75

1,3-Dichlorobenzene

Concen: 1.230 ppbv m

RT: 16.99

Delta R.T. MSVOA_L

Lab File: ClientSampled:

VSTDIC001

Acq: 18 Nov 2021 10:04

Tot Ion:1

Ion Rati

146 100

111 48.

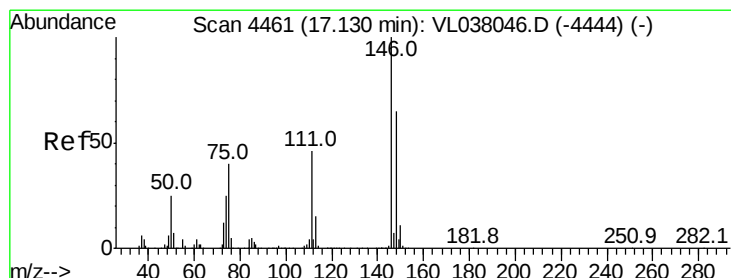
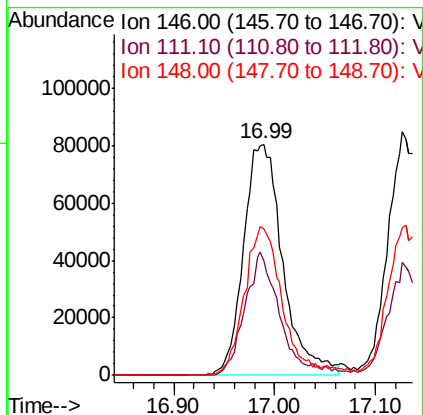
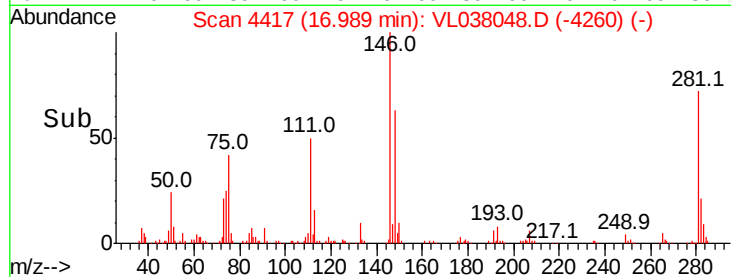
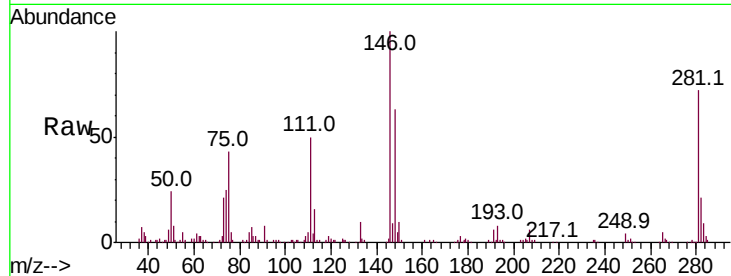
148 63.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#76

1,4-Dichlorobenzene

Concen: 1.226 ppbv m

RT: 17.13 min Scan# 4460

Delta R.T. -0.00 min

Lab File: VL038048.D

Acq: 18 Nov 2021 10:04

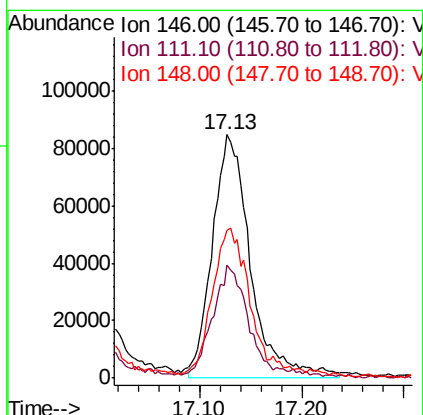
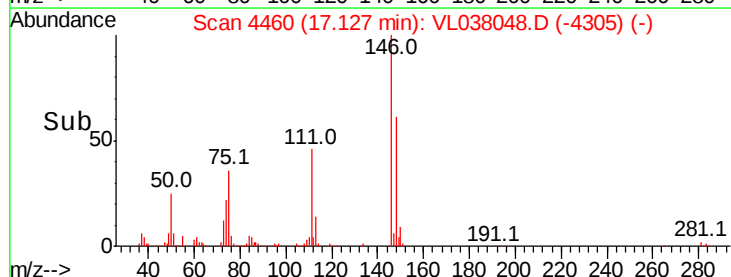
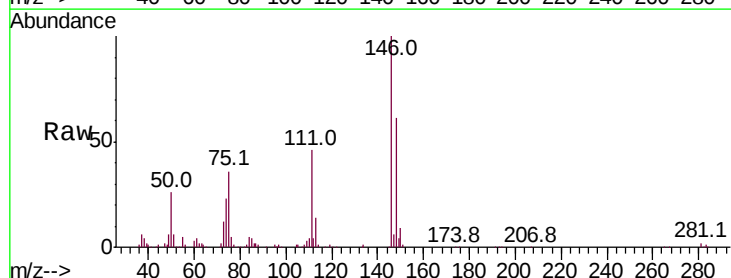
Tgt Ion:146 Resp: 221223

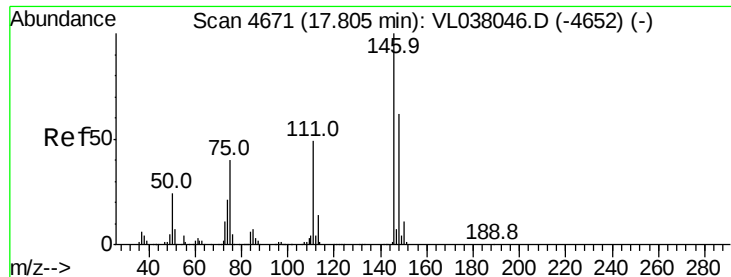
Ion Ratio Lower Upper

146 100

111 45.1 23.8 71.5

148 64.0 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 1.214 ppbv

RT: 17.81

Delta R.T. MSVOA_L

Lab File:

ClientSampleId: VSTDIC001

Acq: 18 Nov 2021 10:04

Tot Ion:1

Ion Rati

146 100

111 51.

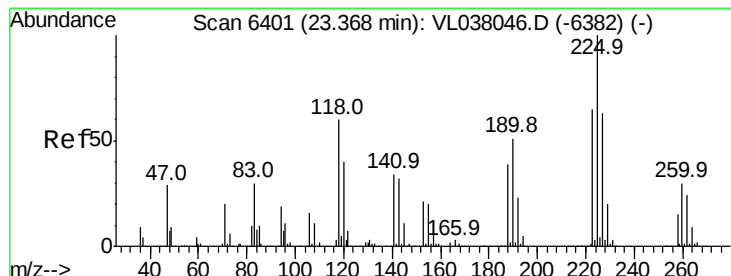
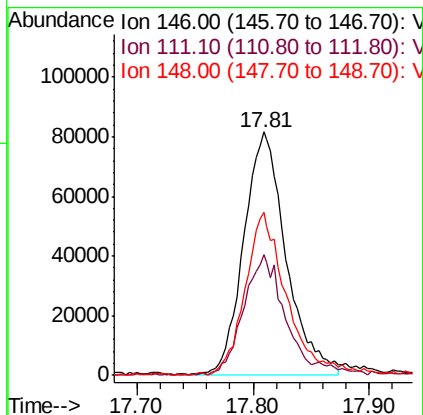
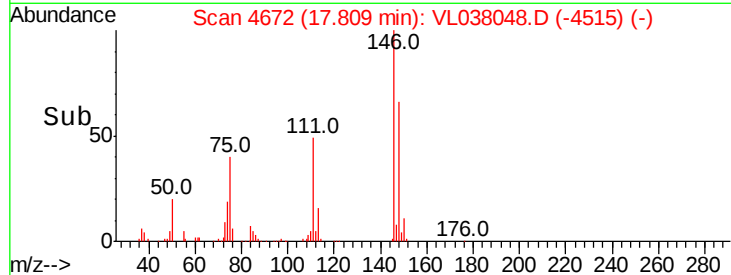
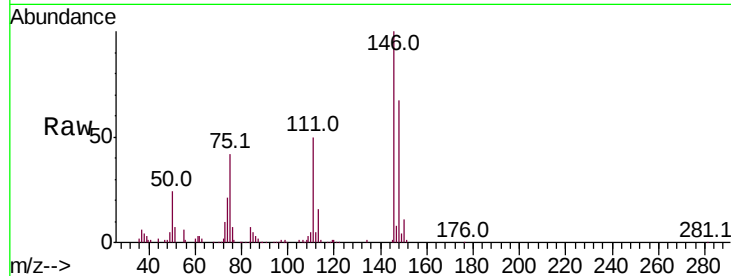
148 66.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#78

Hexachloro-1,3-Butadiene

Concen: 1.283 ppbv m

RT: 23.36 min Scan# 6400

Delta R.T. -0.00 min

Lab File: VL038048.D

Acq: 18 Nov 2021 10:04

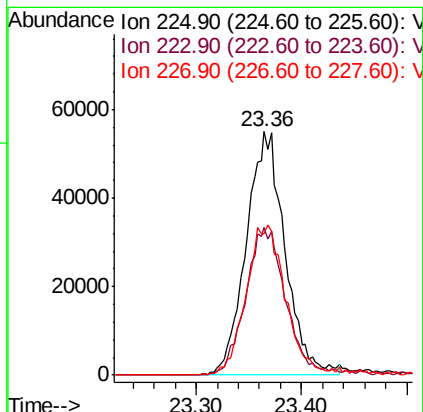
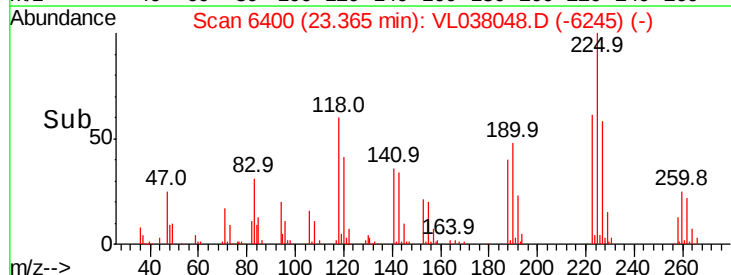
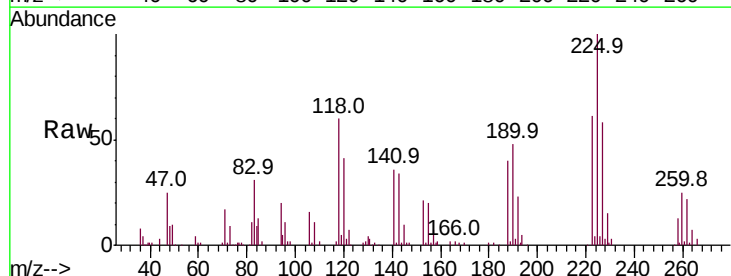
Tgt Ion:225 Resp: 140568

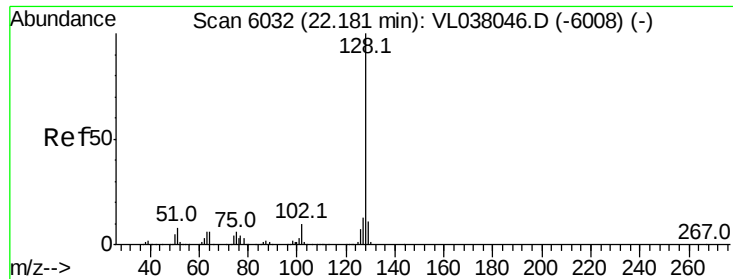
Ion Ratio Lower Upper

225 100

223 63.6 52.3 78.5

227 64.8 52.4 78.6



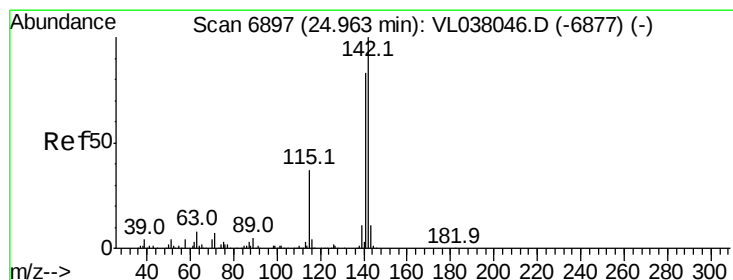
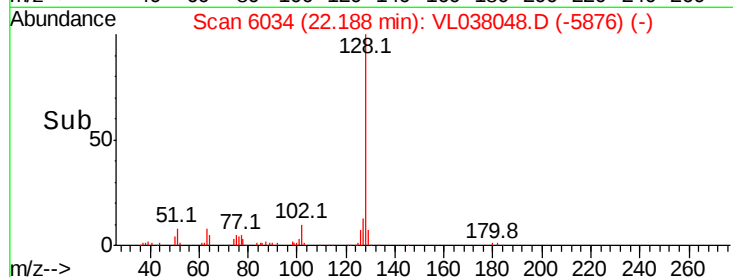
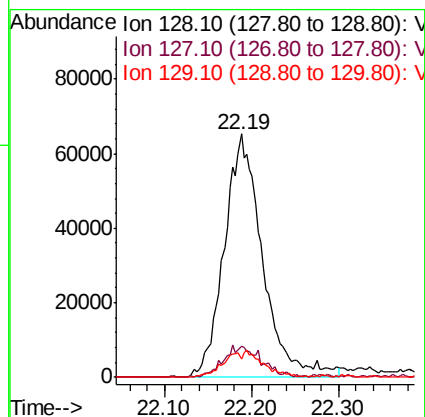
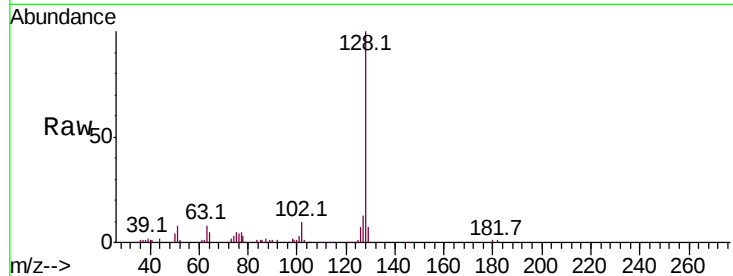


#79
Naphthalene
Concen: 1.140 ppbv m
RT: 22.19 min
Instrument: MSVOA_1
Delta R.T.: 0.01 min
Lab File: ClientSampled : VSTDIC001
Acq: 18 Nov 2021 10:04

Tot Ion:1
Ion Rati
128 100
127 12.
129 7.

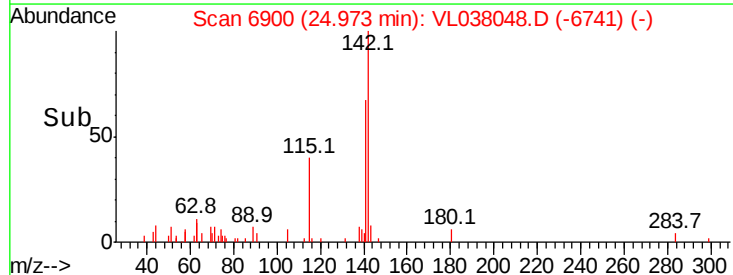
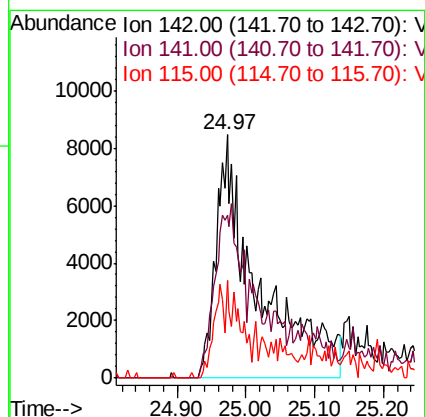
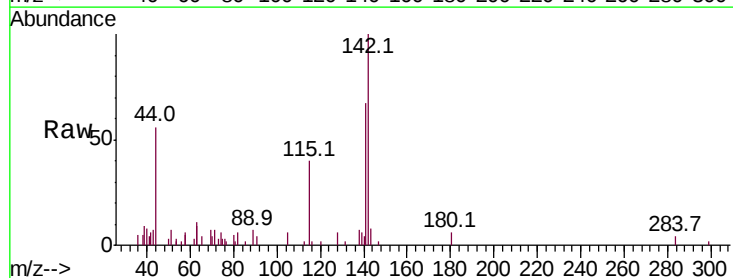
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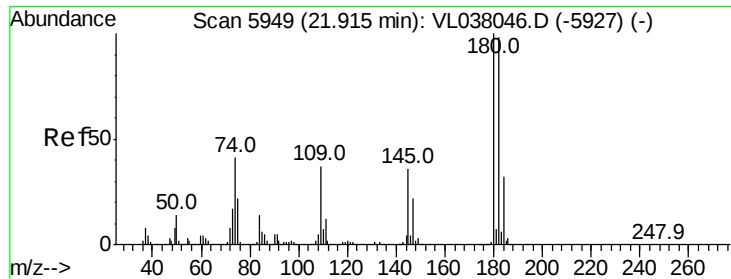
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#80
Naphthalene, 2-methyl-
Concen: 1.075 ppbv m
RT: 24.97 min Scan# 6900
Delta R.T.: 0.01 min
Lab File: VL038048.D
Acq: 18 Nov 2021 10:04

Tgt Ion:142 Resp: 35519
Ion Ratio Lower Upper
142 100
141 10.5 67.3 100.9#
115 5.3 28.9 43.3#





#81
 1,2,4-Trichlorobenzene
 Concen: 1.190 ppbv m
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 18 Nov 2021 10:04

Tot Ion:1
 Ion Rati
 180 100
 182 94.
 184 31.

Manual Integrations
 APPROVED

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

