

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012422\
 Data File : VL038254.D
 Acq On : 24 Jan 2022 10:08
 Operator : SY/AP
 Sample : VSTDICC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Quant Time: Jan 24 11:18:44 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012422A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Jan 24 11:15:25 2022
 Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 01/25/2022
 Supervised By : Mahesh Dadoda 01/26/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	801239	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2319873	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2052150	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1542271	9.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.06	85	274321	1.817	ppbv	93
3) Chlorodifluoromethane	3.00	51	346502	2.058	ppbv	98
4) Chloromethane	3.15	50	114018	1.953	ppbv	98
5) Vinyl Chloride	3.27	62	113881	1.941	ppbv	94
6) Bromomethane	3.48	94	63247	2.115	ppbv	91
7) Chloroethane	3.57	64	39361	1.992	ppbv	98
8) Dichlorotetrafluoroethane	3.20	85	294745	2.057	ppbv	98
9) Propene	3.02	41	115999	1.984	ppbv	97
10) Heptane	8.12	43	294622	1.987	ppbv	100
11) Trichlorofluoromethane	3.96	101	290615	2.096	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	215757	2.060	ppbv	96
13) Ethanol	3.63	45	13945m	1.407	ppbv	
14) Bromoethene	3.75	108	85867	2.058	ppbv	100
15) Acetone	3.86	43	156171	1.942	ppbv	93
16) 1,3-Butadiene	3.34	39	104551	1.909	ppbv	94
17) tert-Butyl alcohol	4.30	59	167436m	1.896	ppbv	
18) 1,1-Dichloroethene	4.30	96	93885	2.047	ppbv	98
19) Isopropyl Alcohol	3.98	45	99036m	1.975	ppbv	
20) Methylene Chloride	4.35	84	86258m	1.900	ppbv	
21) Allyl Chloride	4.42	41	136480	2.006	ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	99331	2.123	ppbv	93
23) Vinyl Acetate	5.08	43	215538	1.980	ppbv	99
24) 1,1-Dichloroethane	5.01	63	200703	2.061	ppbv	99
25) Ethyl Acetate	5.68	43	425218	1.952	ppbv	98
26) Hexane	5.69	57	197582	1.808	ppbv	97
27) Carbon Disulfide	4.56	76	231370	2.405	ppbv	96
28) Methyl tert-Butyl Ether	5.05	73	215155	1.959	ppbv	100
29) Chloroform	5.76	83	320291	1.975	ppbv	99
30) Cyclohexane	7.14	84	170075	1.757	ppbv #	81
31) cis-1,2-Dichloroethene	5.56	61	148326	1.730	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	328692	2.042	ppbv	99
34) 2-Butanone	5.25	43	151763	2.177	ppbv	99
35) Carbon Tetrachloride	7.02	117	341593	2.385	ppbv	95
36) Benzene	6.89	78	442170	2.043	ppbv	100
37) 1,2-Dichloroethane	6.31	62	245146m	2.258	ppbv	
38) Trichloroethene	7.83	130	157311	1.910	ppbv	96
39) 1,2-Dichloropropane	7.62	63	176300	2.117	ppbv	98
40) 1,4-Dioxane	7.85	88	42566m	1.757	ppbv	
41) Tetrahydrofuran	6.07	42	104195	2.040	ppbv	97
42) Bromodichloromethane	7.79	83	368245	2.384	ppbv	97
43) Methyl Methacrylate	8.02	69	151206	2.030	ppbv	95

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 ClientSampleId :
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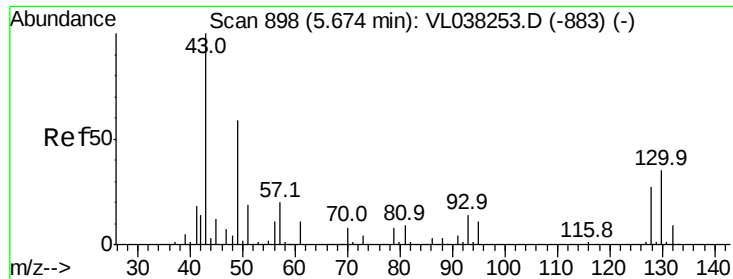
Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/25/2022
 Supervised By : Mahesh Dadoda 01/26/2022

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	788947	2.146	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	115908	2.103	ppbv	93
46) cis-1,3-Dichloropropene	8.70	75	158040	2.072	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	170507	1.973	ppbv	95
48) Dibromochloromethane	10.30	129	283715	2.334	ppbv	94
49) Bromoform	13.04	173	215282m	2.493	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	284221	2.242	ppbv	99
51) 2-Hexanone	10.15	43	129335m	2.131	ppbv	
52) Tetrachloroethene	11.22	164	142439	1.783	ppbv	97
53) Toluene	9.81	91	489480	1.960	ppbv	99
54) 1,2-Dibromoethane	10.61	107	242404	1.977	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	190317	2.230	ppbv #	1
57) Chlorobenzene	12.14	112	348576	1.959	ppbv	98
58) Ethyl Benzene	12.71	91	642795	2.018	ppbv	98
59) m/p-Xylene	12.99	91	1126707m	4.139	ppbv	
60) o-Xylene	13.69	91	512139	2.029	ppbv	99
61) Styrene	13.53	104	240209	1.879	ppbv	99
62) Isopropylbenzene	14.67	105	704253	1.987	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	373193	1.923	ppbv	100
64) n-propylbenzene	15.56	120	171040	1.941	ppbv	89
65) tert-Butylbenzene	16.74	119	606112	1.943	ppbv	99
66) Benzyl Chloride	16.99	91	23448m	2.017	ppbv	
67) sec-Butylbenzene	17.29	105	841818	1.964	ppbv	99
69) p-Isopropyltoluene	17.65	119	655027	1.900	ppbv	99
70) n-Butylbenzene	18.55	91	647432	1.975	ppbv	99
71) 2-Chlorotoluene	15.45	91	522699	1.982	ppbv	97
72) 4-Ethyltoluene	15.84	105	561210	1.931	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	502675	1.932	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	542385	1.985	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	283332	1.920	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	266222	1.818	ppbv	96
77) 1,2-Dichlorobenzene	17.82	146	264884	1.875	ppbv	97
78) Hexachloro-1,3-Butadiene	23.37	225	187725	2.153	ppbv	99
79) Naphthalene	22.20	128	256606	1.818	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	27497	0.982	ppbv #	83
81) 1,2,4-Trichlorobenzene	21.92	180	156138m	1.935	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId: VSTDIC002

Acq: 24 Jan 2022 10:08

Tot Ion:

Ion Ratio

49 100

128 49.

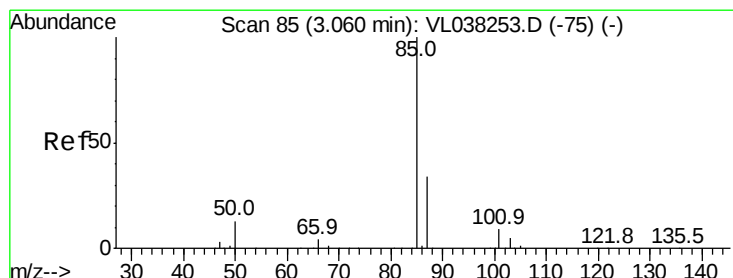
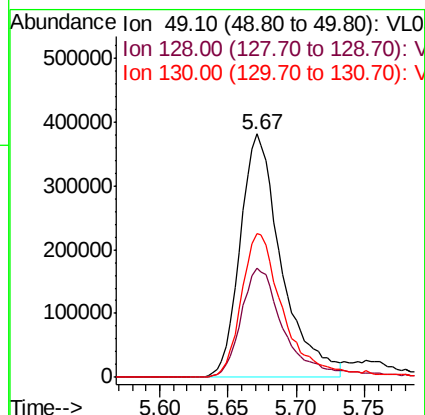
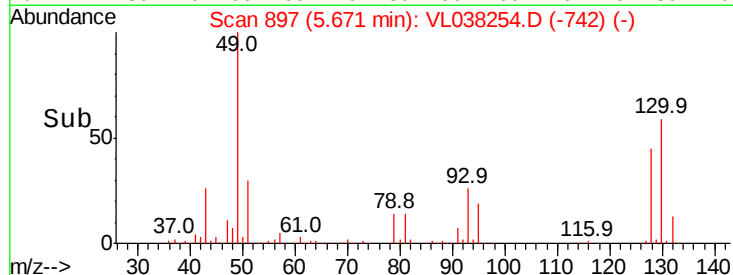
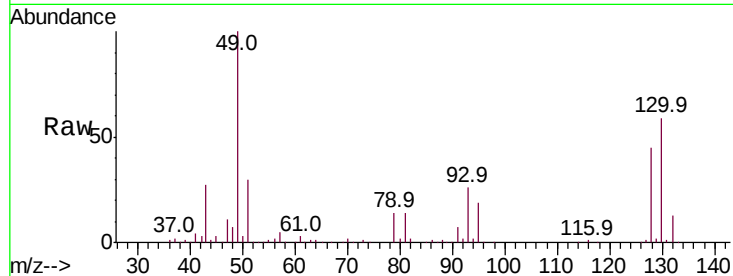
130 62.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/25/2022

Supervised By :Mahesh Dadoda 01/26/2022



#2

Dichlorodifluoromethane

Concen: 1.817 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.00 min

Lab File: VL038254.D

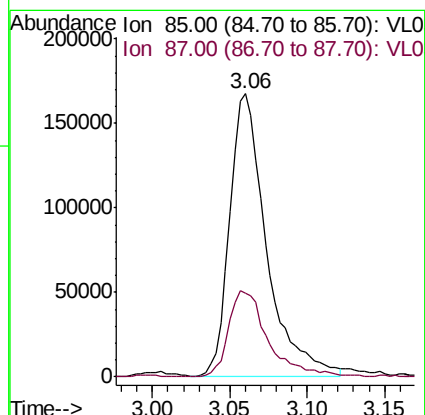
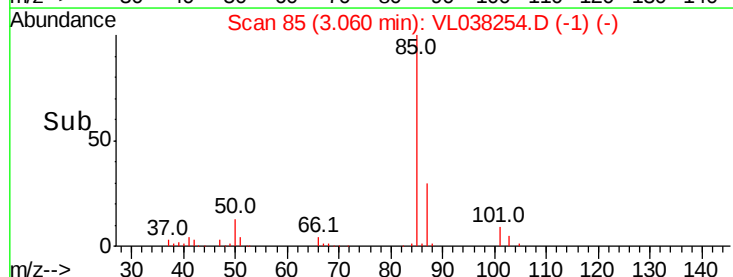
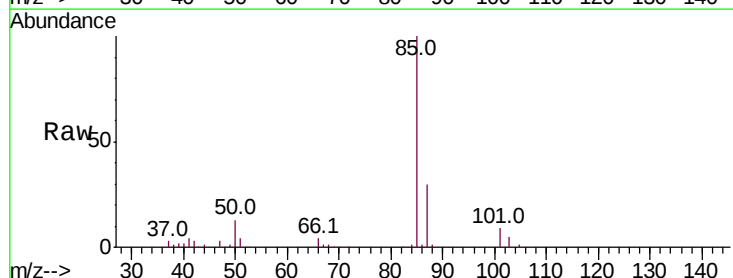
Acq: 24 Jan 2022 10:08

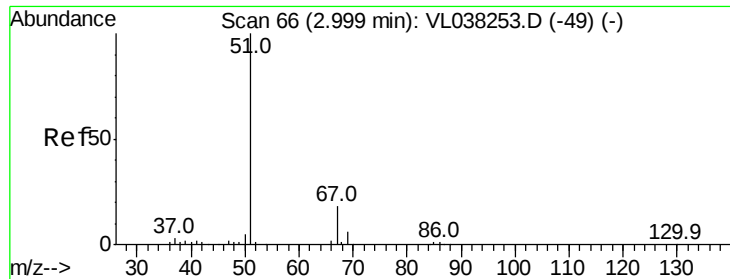
Tgt Ion: 85 Resp: 274321

Ion Ratio Lower Upper

85 100

87 29.7 27.0 40.6





#3

Chlorodifluoromethane

Concen: 2.058 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC002

Acq: 24 Jan 2022 10:08

Tot Ion:

Ion Ratio

51 100

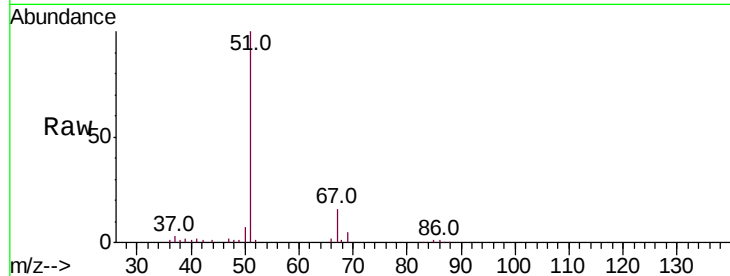
67 17.

Manual Integrations

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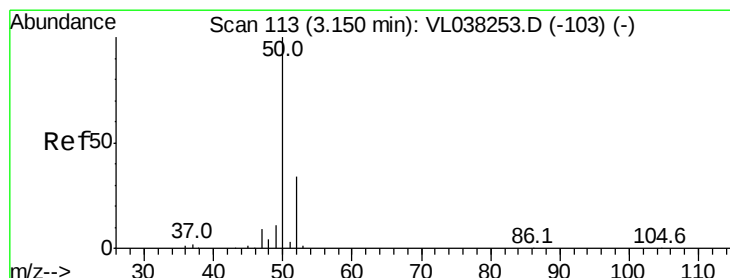
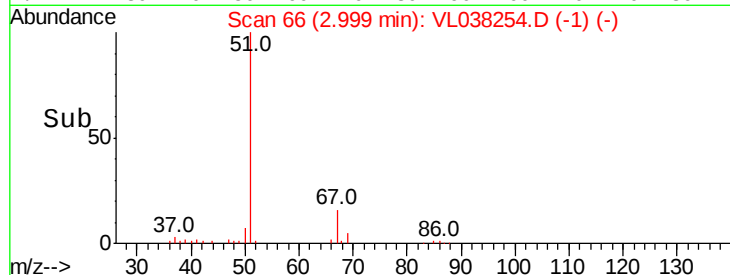
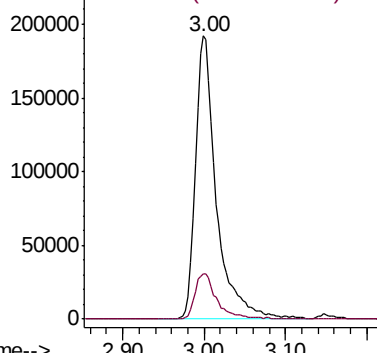
Reviewed By :Semsettin Yesilyurt 01/25/2022

Supervised By :Mahesh Dadoda 01/26/2022



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.953 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL038254.D

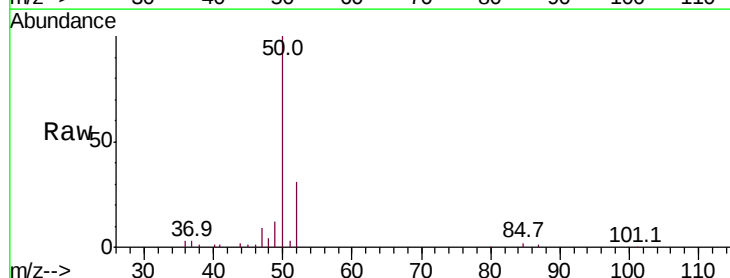
Acq: 24 Jan 2022 10:08

Tgt Ion: 50 Resp: 114018

Ion Ratio Lower Upper

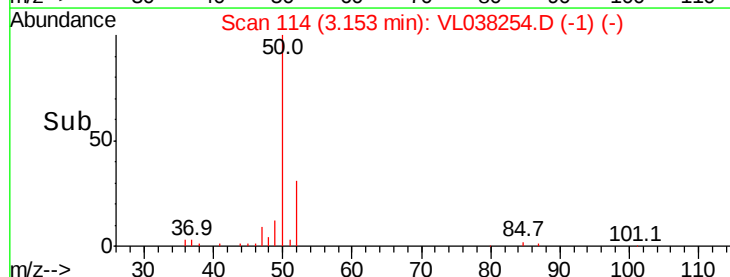
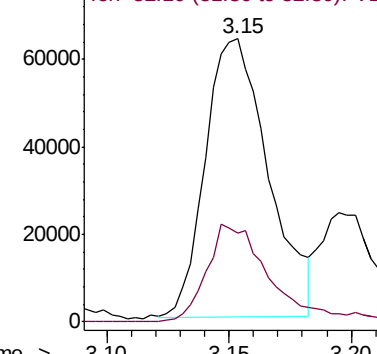
50 100

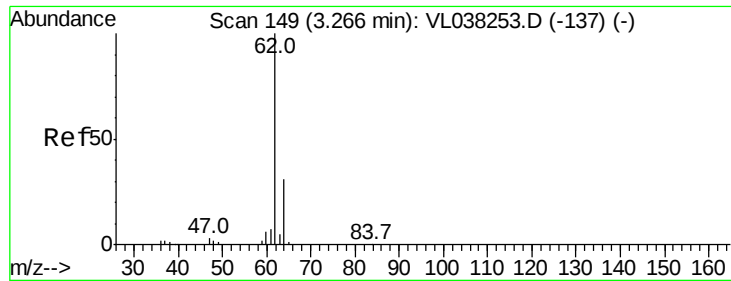
52 32.7 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.941 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC002

Acq: 24 Jan 2022 10:08

Tot Ion:

Ion Ratio

62 100

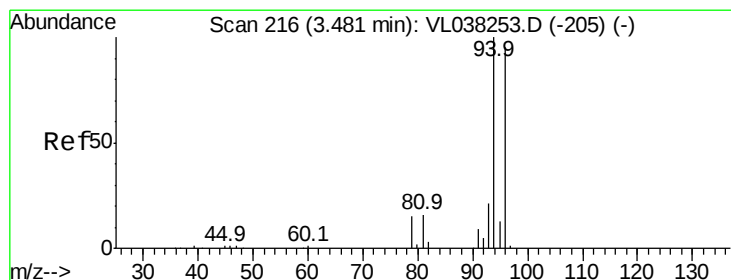
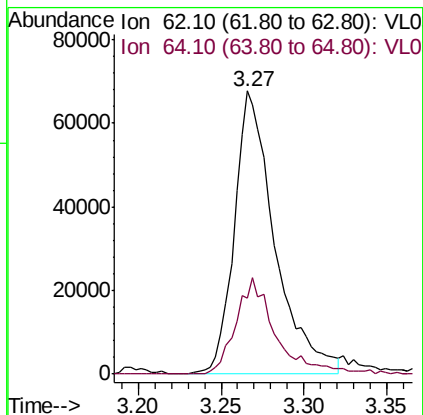
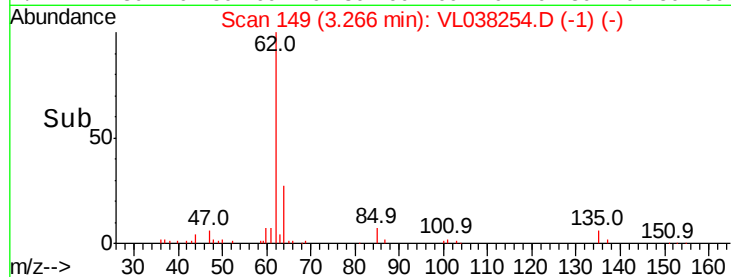
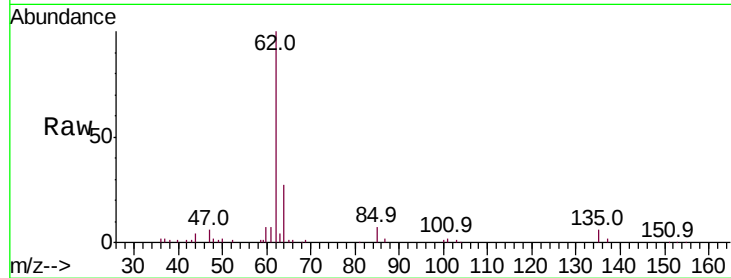
64 27.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/25/2022

Supervised By :Mahesh Dadoda 01/26/2022



#6

Bromomethane

Concen: 2.115 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.00 min

Lab File: VL038254.D

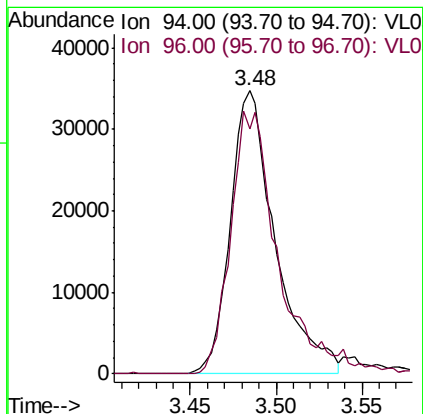
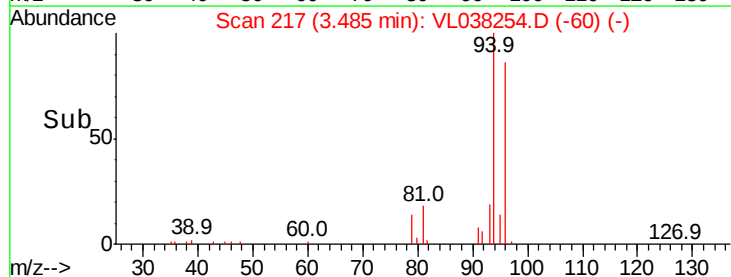
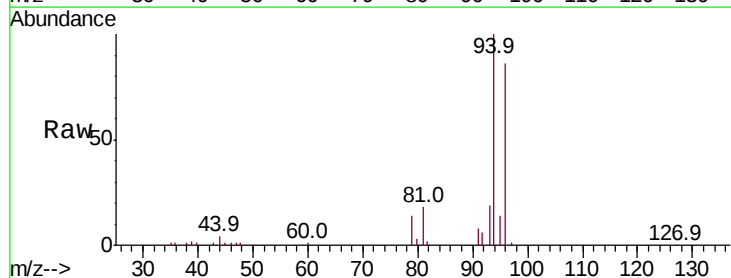
Acq: 24 Jan 2022 10:08

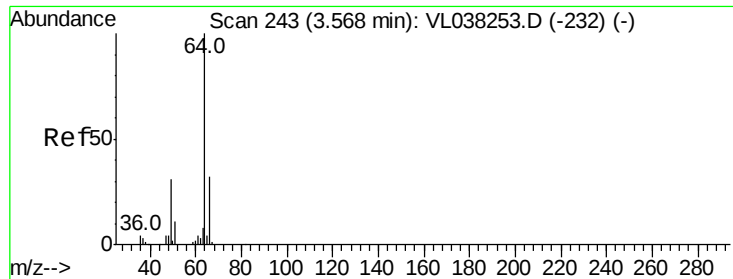
Tgt Ion: 94 Resp: 63247

Ion Ratio Lower Upper

94 100

96 86.4 76.0 114.0





#7

Chloroethane

Concen: 1.992 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Jan 2022 10:08 VSTDIC002

Tot Ion:

Ion Ratio

64 100

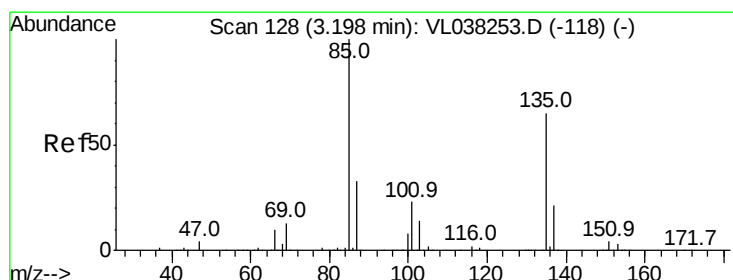
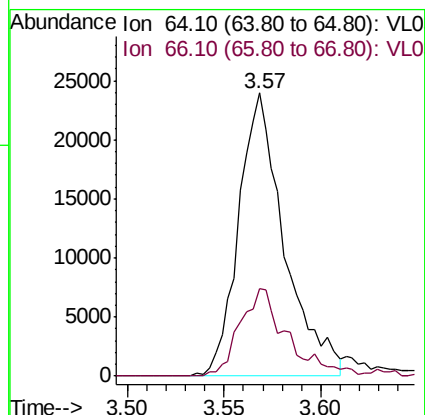
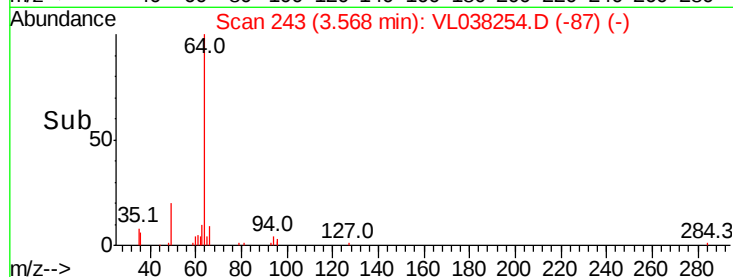
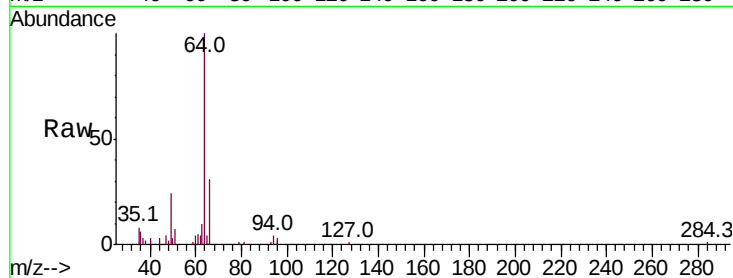
66 31.

Manual Integrations

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Supervised By :Mahesh Dadoda 01/26/2022



#8

Dichlorotetrafluoroethane

Concen: 2.057 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.00 min

Lab File: VL038254.D

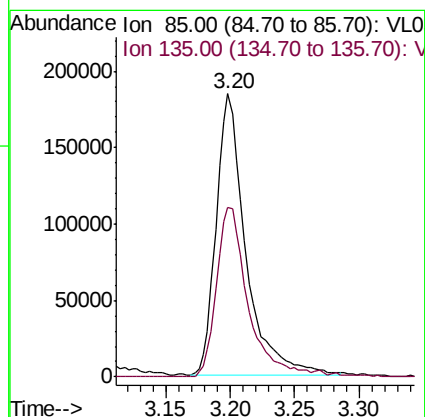
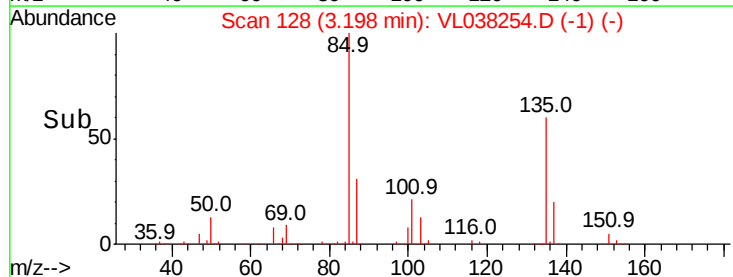
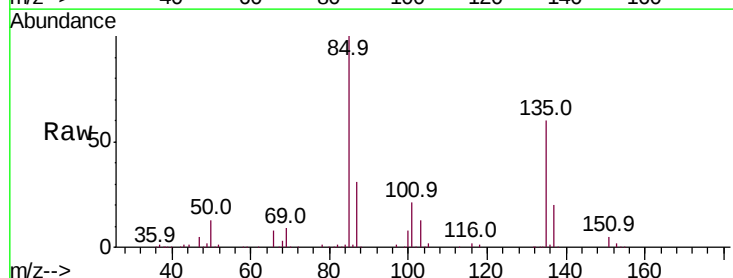
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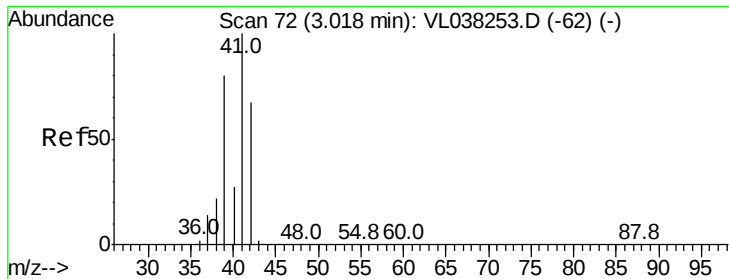
Tgt Ion: 85 Resp: 294745

Ion Ratio Lower Upper

85 100

135 65.8 53.7 80.5





#9

Propene

Concen: 1.984 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 24 Jan 2022 10:08 VSTDIC002

Tot Ion:

Ion Ratio

41 100

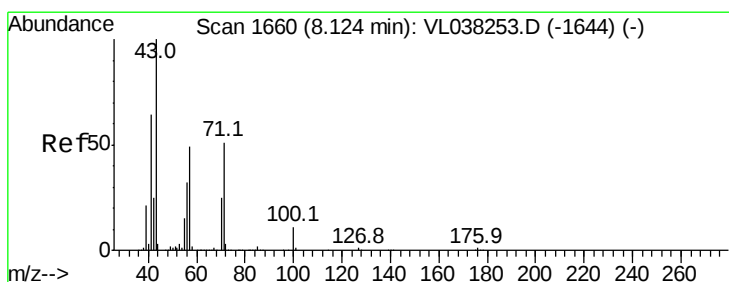
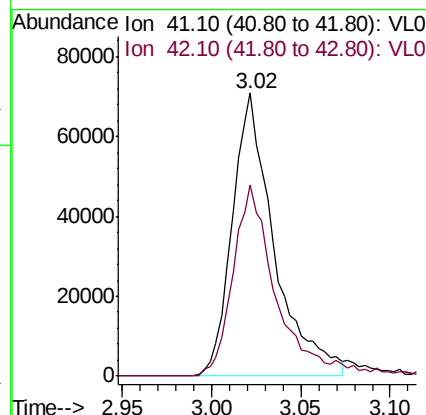
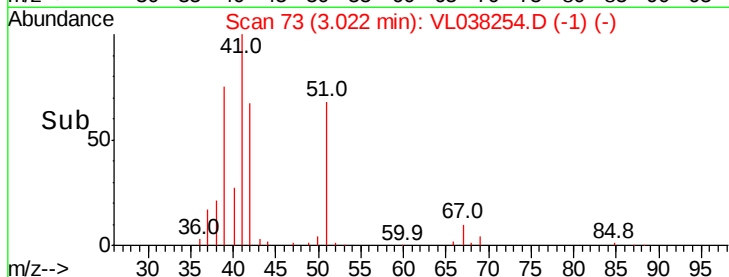
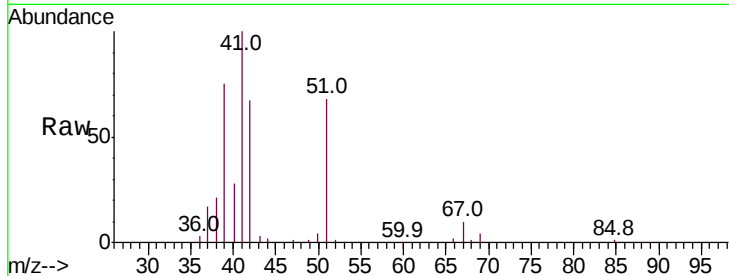
42 71.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/25/2022

Supervised By :Mahesh Dadoda 01/26/2022



#10

Heptane

Concen: 1.987 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VL038254.D

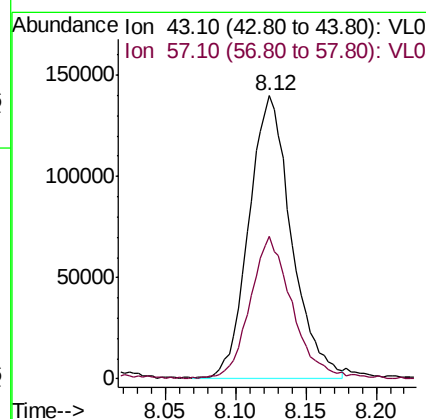
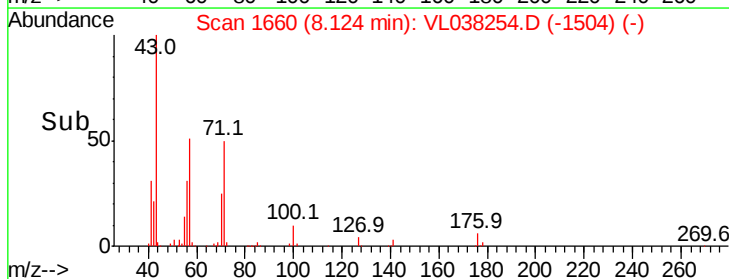
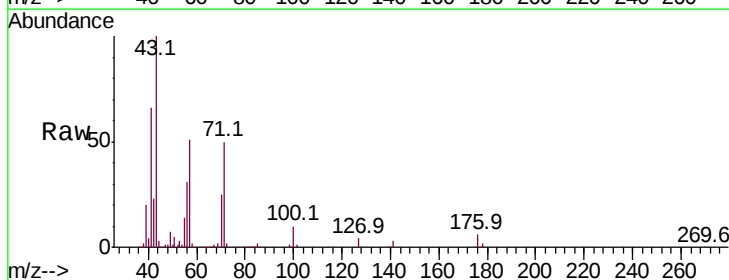
Acq: 24 Jan 2022 10:08

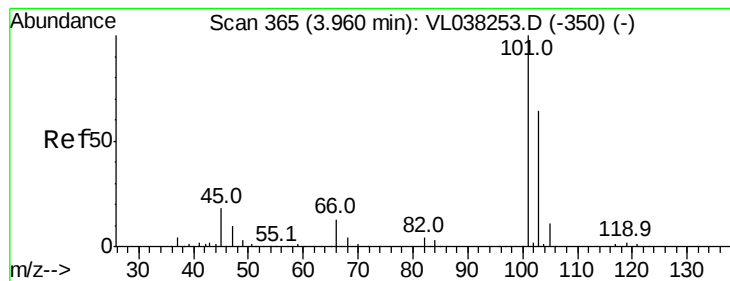
Tgt Ion: 43 Resp: 294622

Ion Ratio Lower Upper

43 100

57 49.3 39.5 59.3





#11

Trichlorofluoromethane

Concen: 2.096 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Jan 2022 10:08 VSTDIC002

Tot Ion:1

Ion Rati

101 100

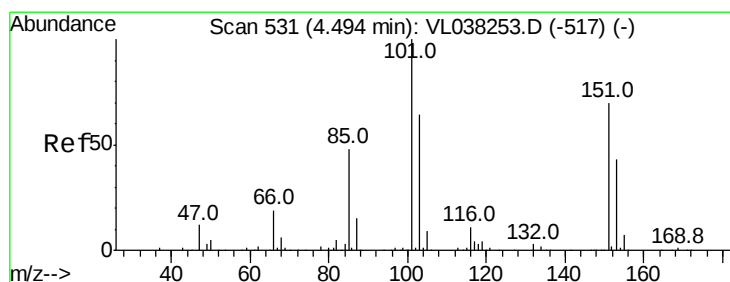
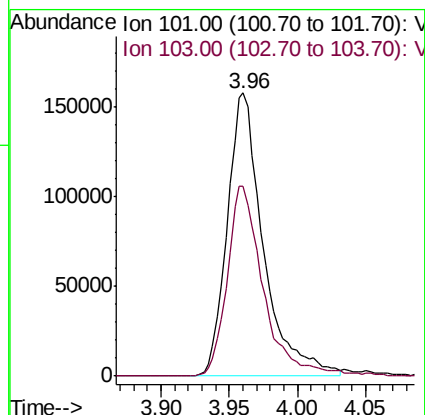
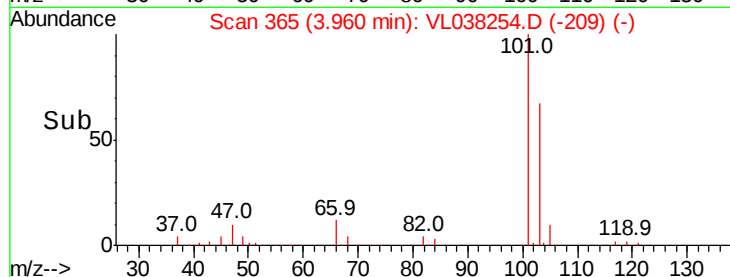
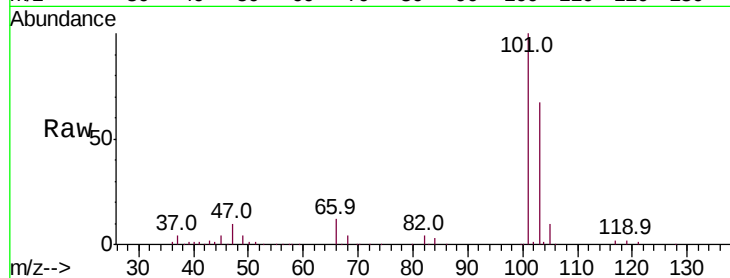
103 67.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/25/2022

Supervised By :Mahesh Dadoda 01/26/2022



#12

1,1,2-Trichlorotrifluoroethane

Concen: 2.060 ppbv

RT: 4.49 min Scan# 530

Delta R.T. -0.00 min

Lab File: VL038254.D

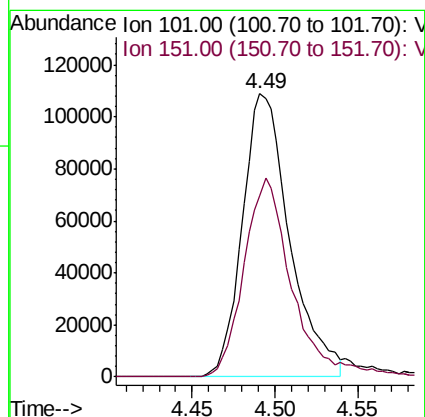
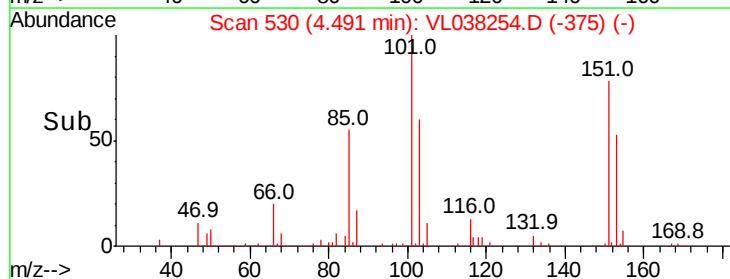
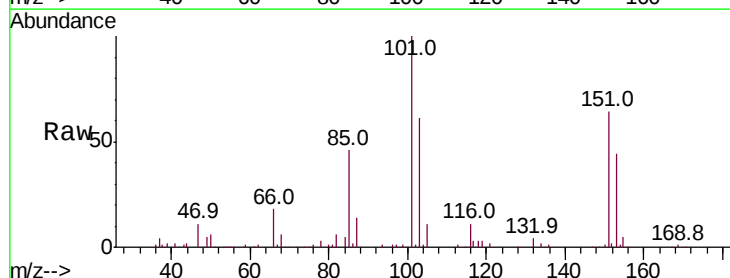
Acq: 24 Jan 2022 10:08

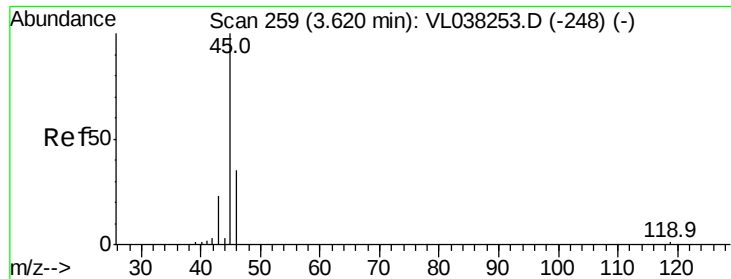
Tgt Ion:101 Resp: 215757

Ion Ratio Lower Upper

101 100

151 72.3 55.3 82.9



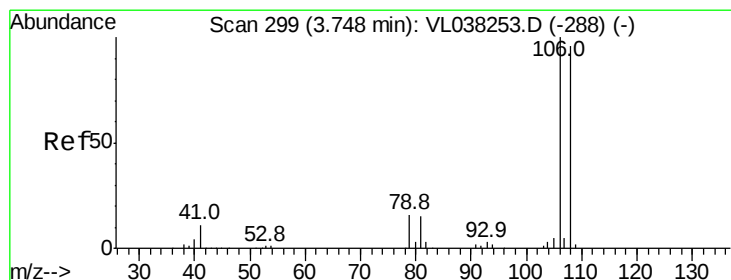
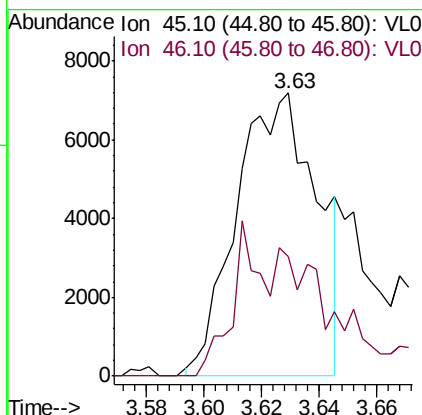
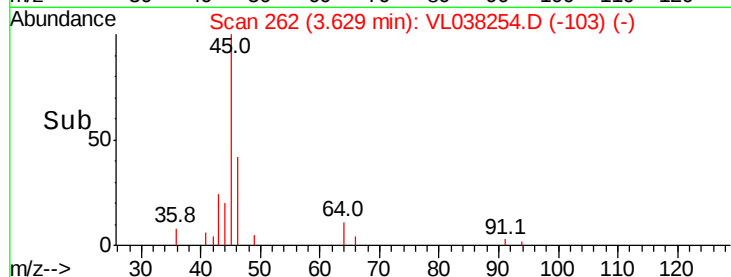
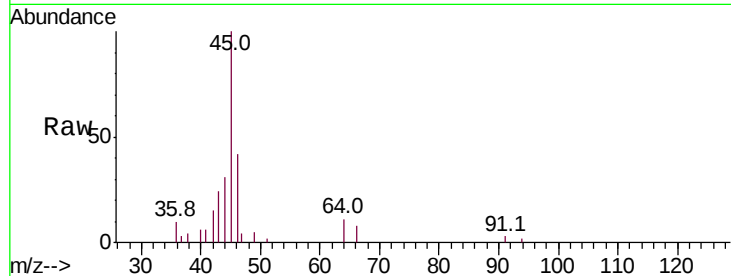


#13
Ethanol
Concen: 1.407 ppbv m
RT: 3.63
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Jan 2022 10:08
VSTDIC002

Tot Ion:
Ion Ratio
45 100
46 60.

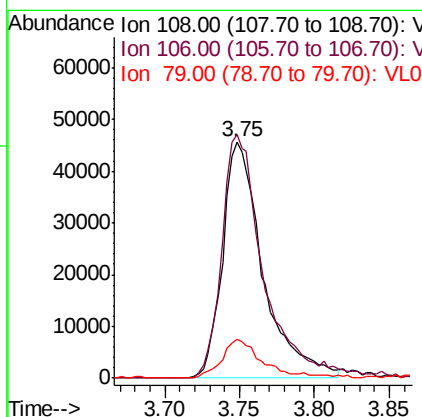
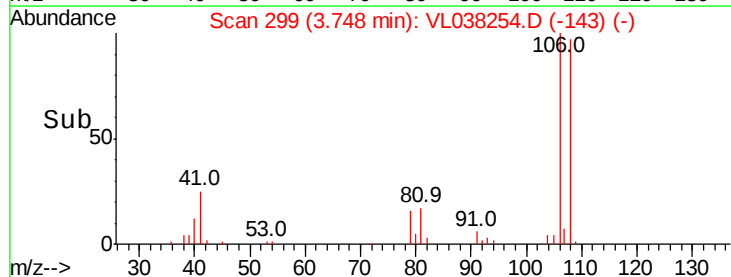
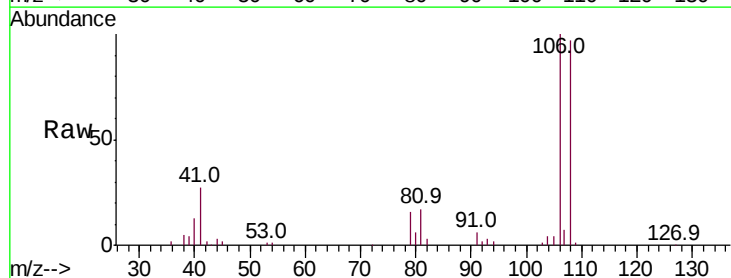
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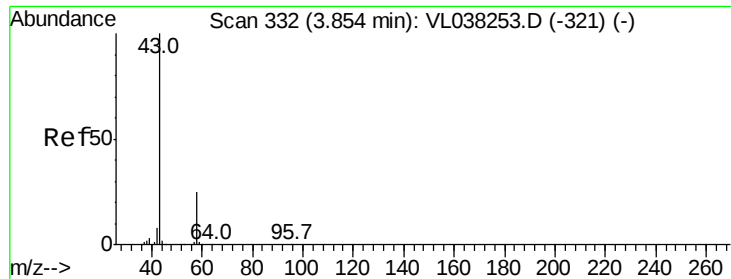
Reviewed By :Semsettin Yesilyurt 01/25/2022
Supervised By :Mahesh Dadoda 01/26/2022



#14
Bromoethene
Concen: 2.058 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

Tgt Ion:108 Resp: 85867
Ion Ratio Lower Upper
108 100
106 108.3 86.4 129.6
79 17.3 14.1 21.1



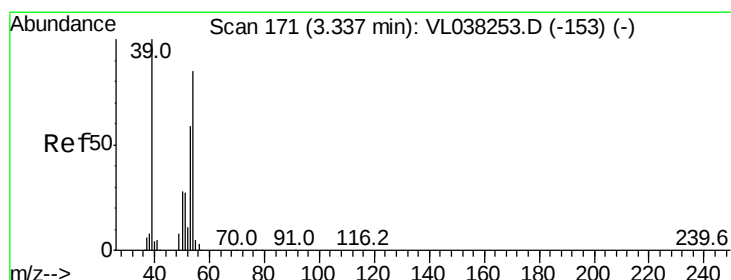
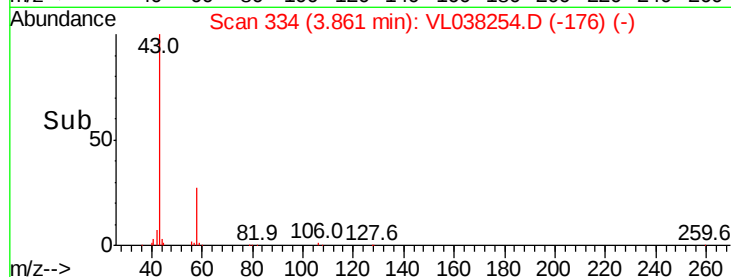
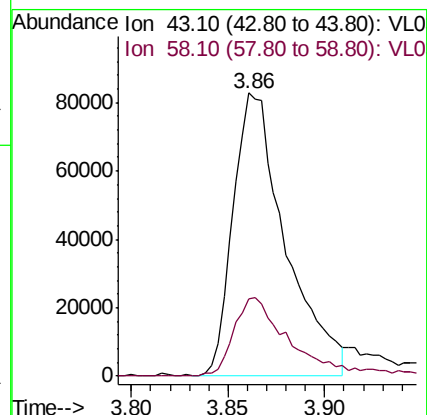
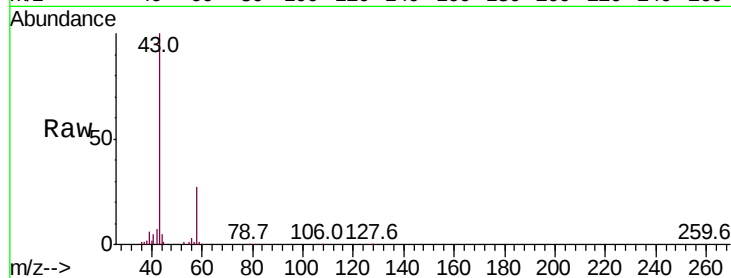


#15
Acetone
Concen: 1.942 ppbv
RT: 3.86
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Jan 2022 10:08

Tot Ion:
Ion Ratio
43 100
58 30.

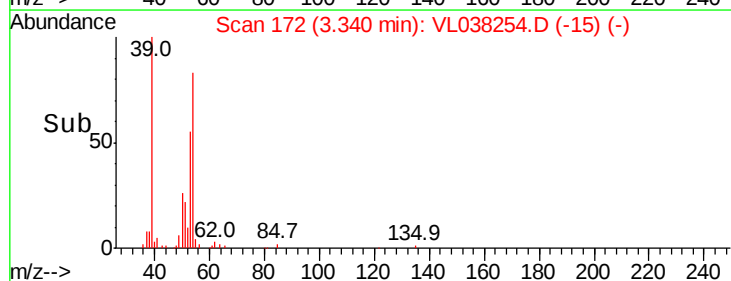
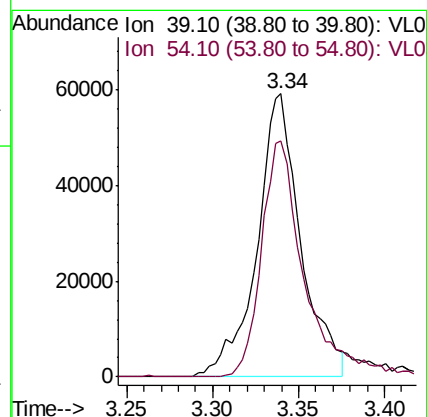
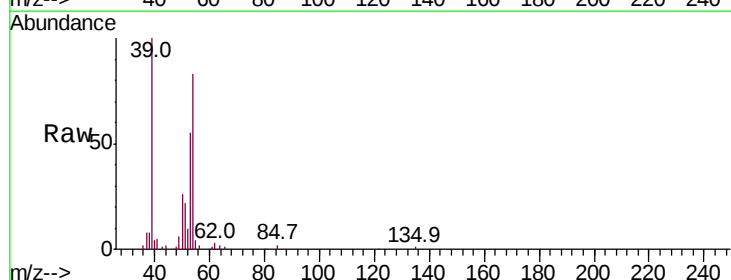
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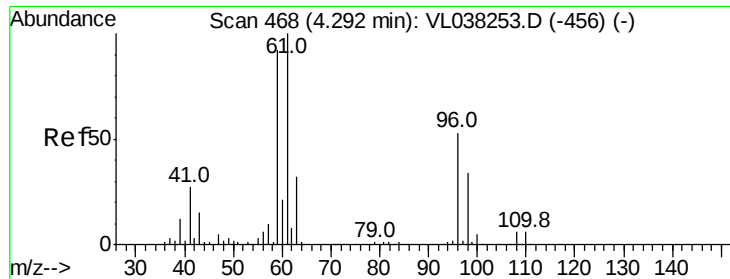
Reviewed By :Semsettin Yesilyurt 01/25/2022
Supervised By :Mahesh Dadoda 01/26/2022



#16
1,3-Butadiene
Concen: 1.909 ppbv
RT: 3.34 min Scan# 172
Delta R.T. 0.00 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

Tgt Ion: 39 Resp: 104551
Ion Ratio Lower Upper
39 100
54 83.2 62.6 94.0





#17

tert-Butyl alcohol

Concen: 1.896 ppbv m

RT: 4.30 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 24 Jan 2022 10:08

Tot Ion:

Ion Ratio

59 100

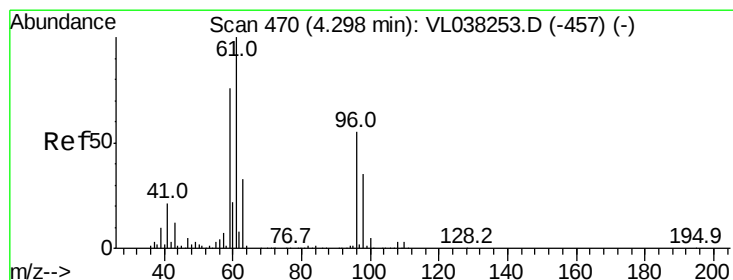
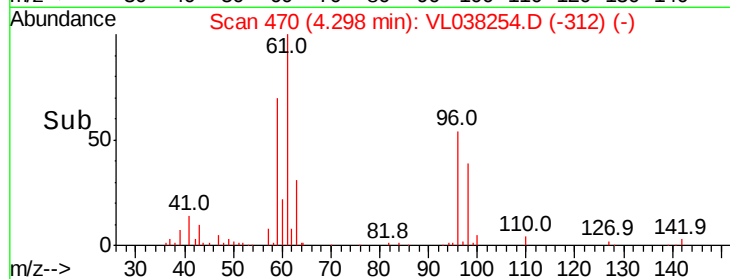
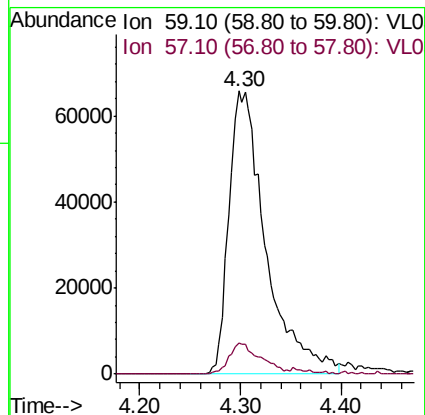
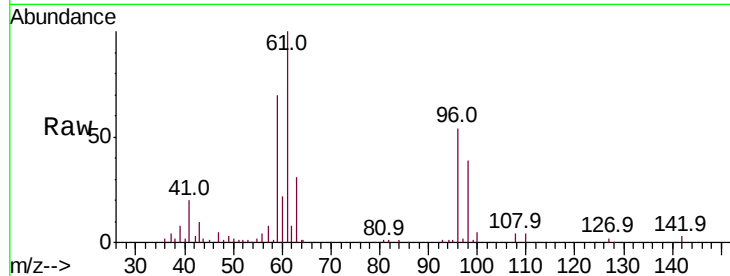
57 10.

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Reviewed By :Semsettin Yesilyurt 01/25/2022

Supervised By :Mahesh Dadoda 01/26/2022



#18

1,1-Dichloroethene

Concen: 2.047 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

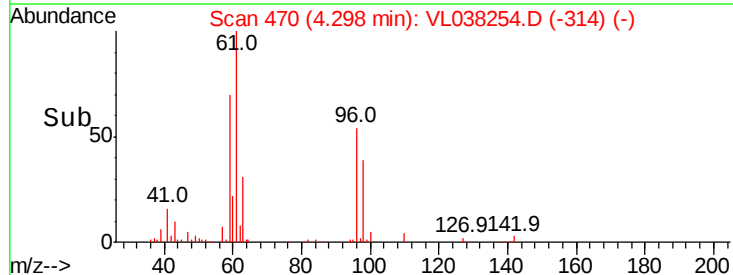
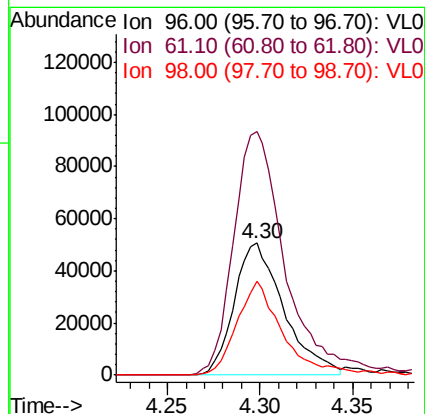
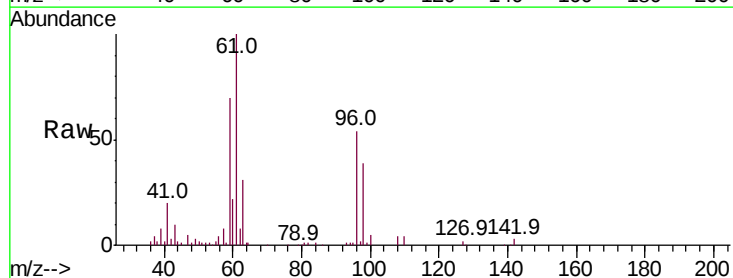
Tgt Ion: 96 Resp: 93885

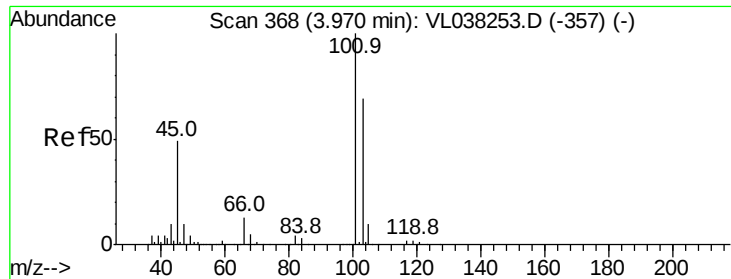
Ion Ratio Lower Upper

96 100

61 183.8 146.5 219.7

98 70.9 51.9 77.9





#19

Isopropyl Alcohol

Concen: 1.975 ppbv m

RT: 3.98 Instrument :

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 24 Jan 2022 10:08 VSTDIC002

Tot Ion:

Ion Ratio

45 100

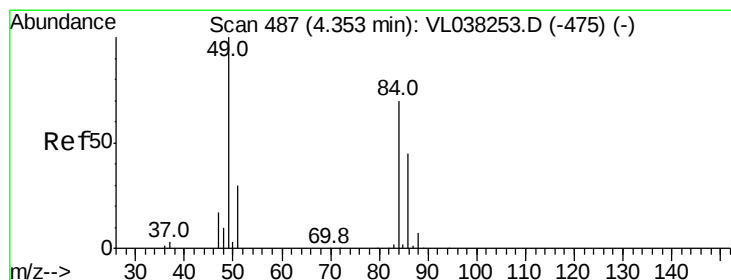
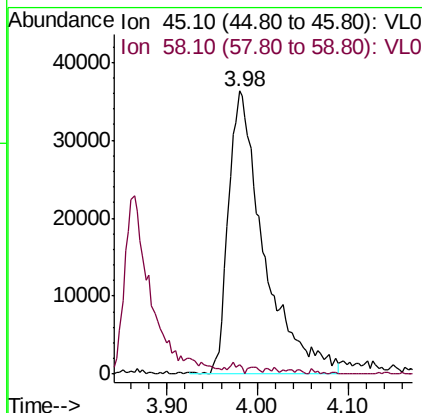
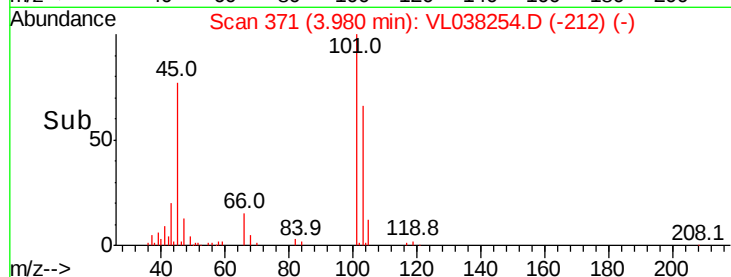
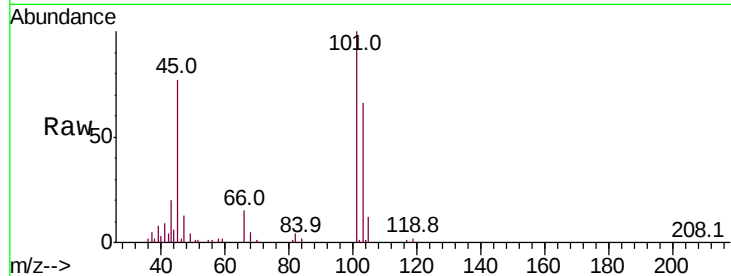
58 3.

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Reviewed By :Semsettin Yesilyurt 01/25/2022

Supervised By :Mahesh Dadoda 01/26/2022



#20

Methylene Chloride

Concen: 1.900 ppbv m

RT: 4.35 min Scan# 487

Delta R.T. 0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

Tgt Ion: 84 Resp: 86258

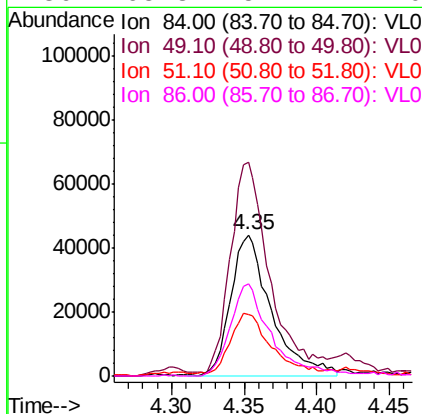
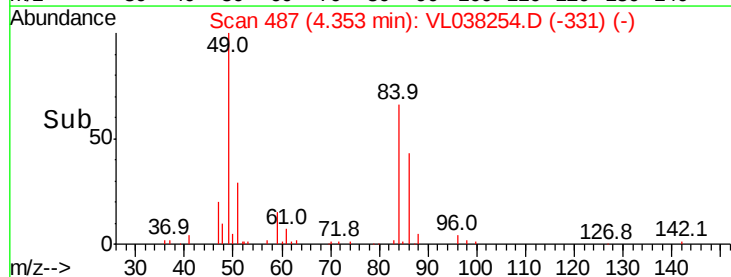
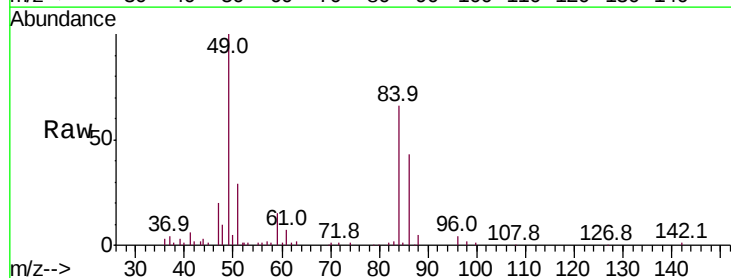
Ion Ratio Lower Upper

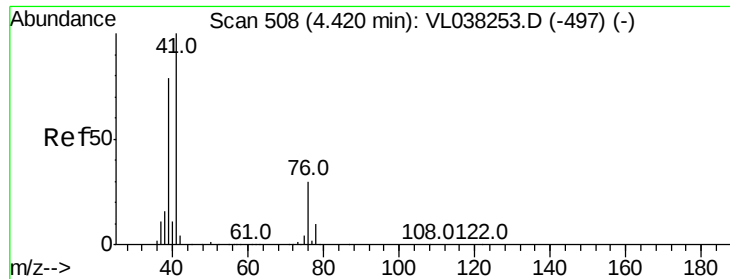
84 100

49 151.4 115.0 172.6

51 43.7 35.0 52.6

86 65.3 51.4 77.0



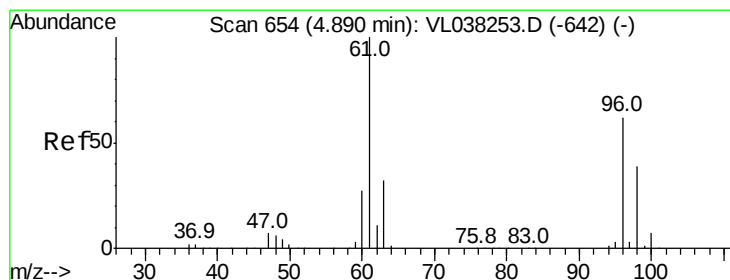
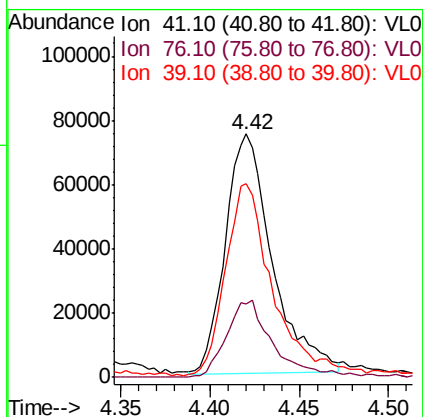
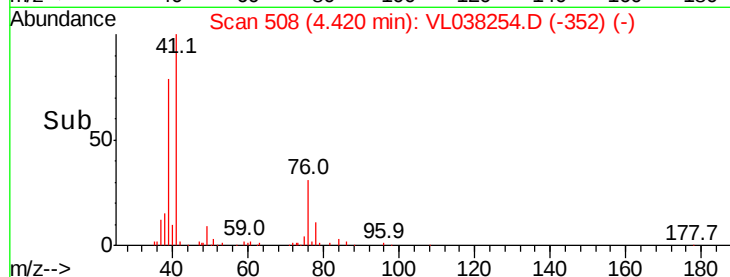
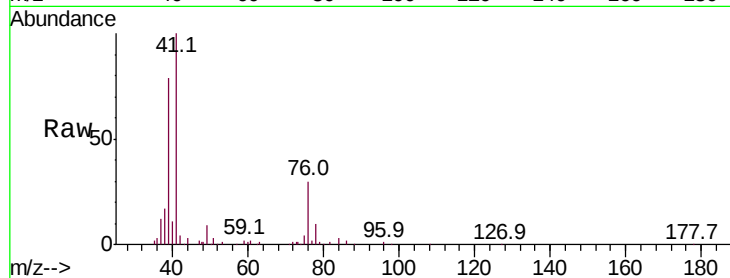


#21
Allv1 Chloride
Concen: 2.006 ppbv
RT: 4.42
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC002
Acq: 24 Jan 2022 10:08

Tot Ion:
Ion Ratio
41 100
76 32.
39 82.

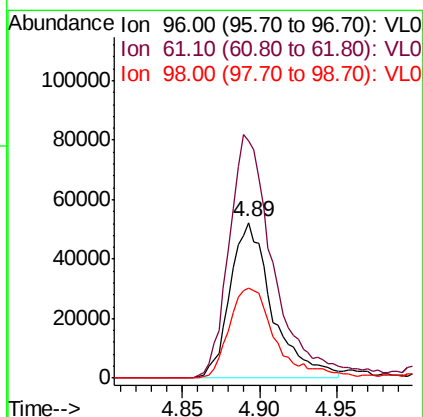
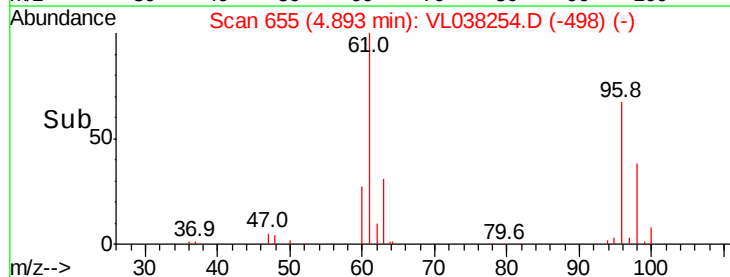
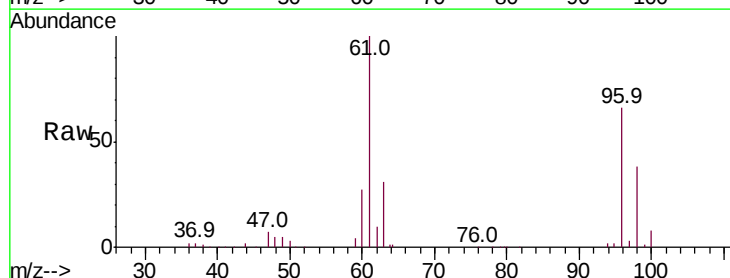
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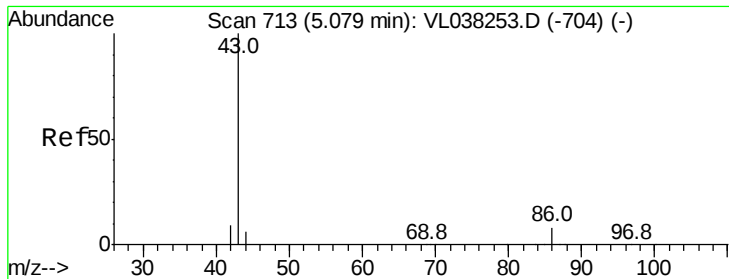
Reviewed By :Semsettin Yesilyurt 01/25/2022
Supervised By :Mahesh Dadoda 01/26/2022



#22
trans-1,2-Dichloroethene
Concen: 2.123 ppbv
RT: 4.89 min Scan# 655
Delta R.T. 0.00 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

Tgt Ion: 96 Resp: 99331
Ion Ratio Lower Upper
96 100
61 151.8 128.8 193.2
98 57.7 49.8 74.8





#23

Vinyl Acetate

Concen: 1.980 ppbv

RT: 5.08 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC002

Acq: 24 Jan 2022 10:08

Tot Ion:

Ion Ratio

43 100

86 6.

42 9.

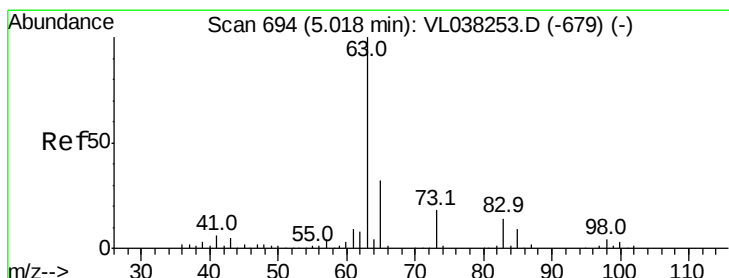
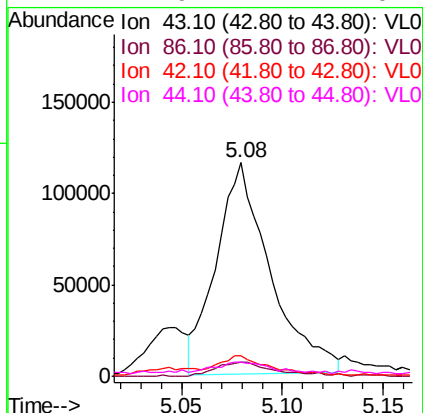
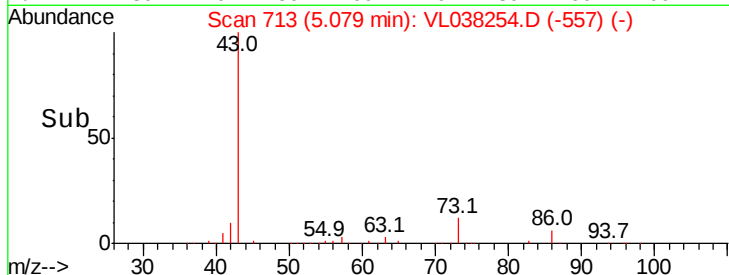
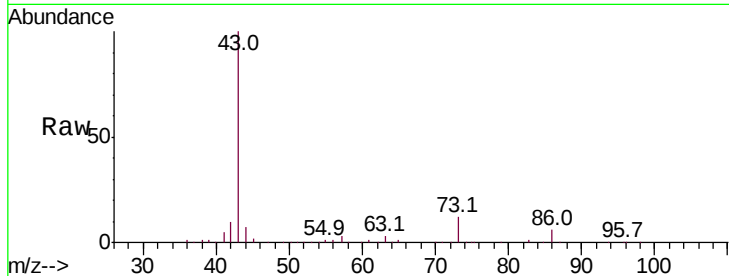
44 4.9

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Reviewed By :Semsettin Yesilyurt 01/25/2022

Supervised By :Mahesh Dadoda 01/26/2022



#24

1,1-Dichloroethane

Concen: 2.061 ppbv

RT: 5.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

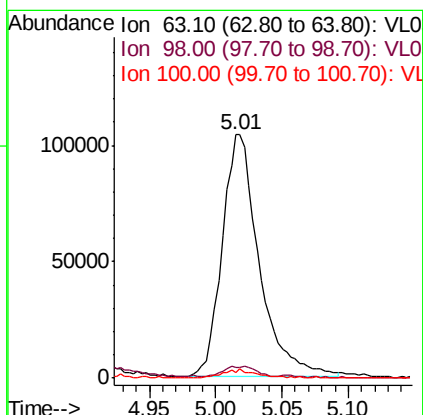
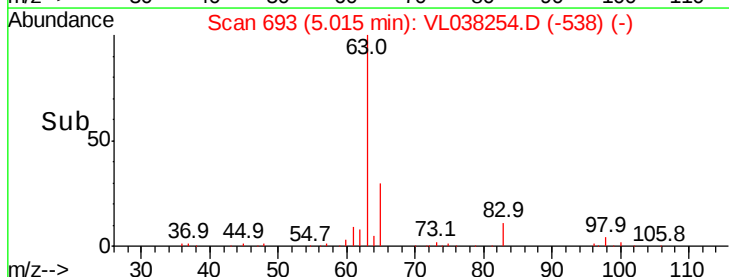
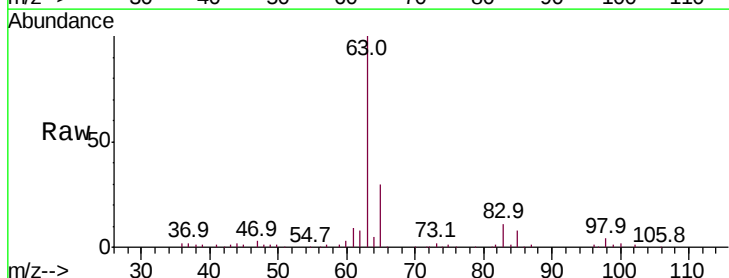
Tgt Ion: 63 Resp: 200703

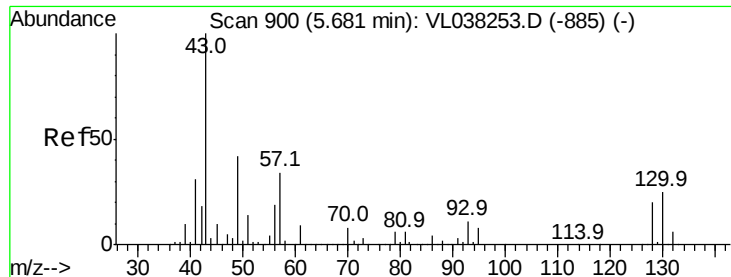
Ion Ratio Lower Upper

63 100

98 4.1 2.3 6.8

100 2.2 1.3 3.9



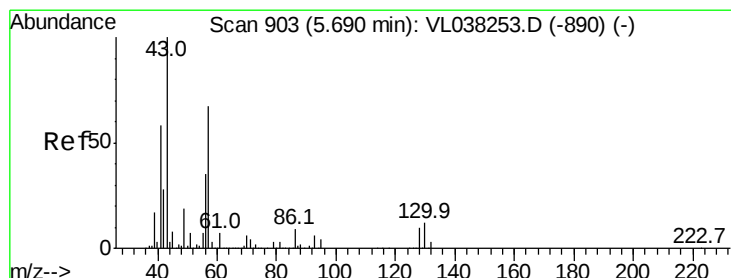
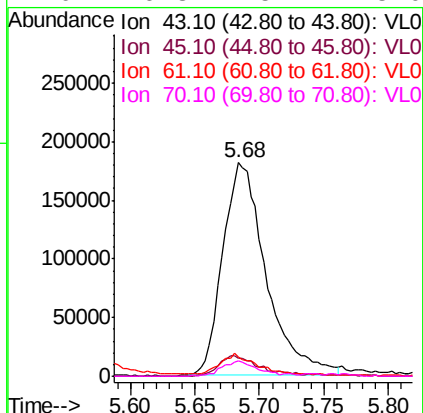
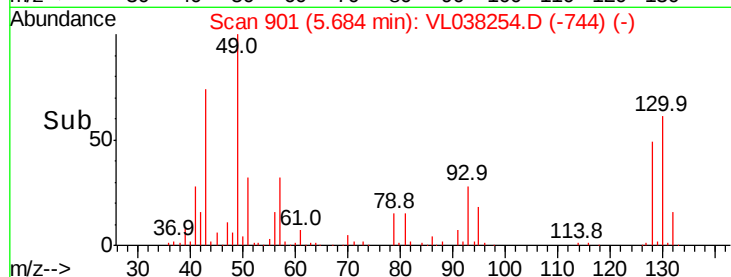
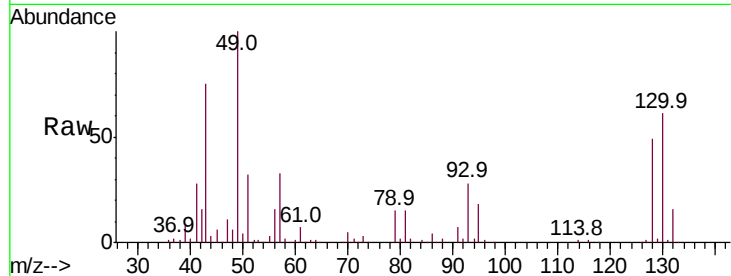


#25
Ethyl Acetate
Concen: 1.952 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC002
Acq: 24 Jan 2022 10:08

Tot Ion:
Ion Ratio
43 100
45 9.
61 11.
70 6.3 5.4 8.0

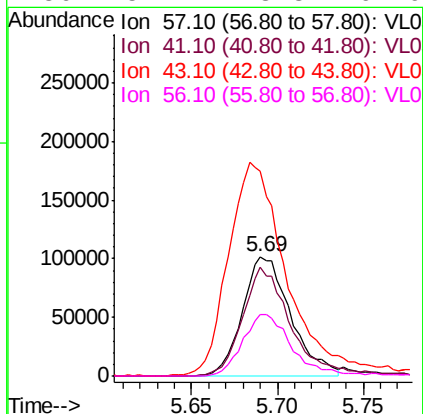
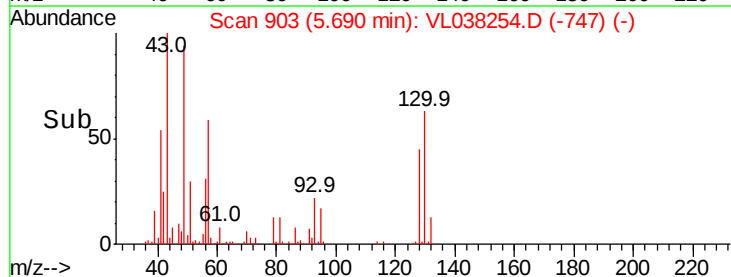
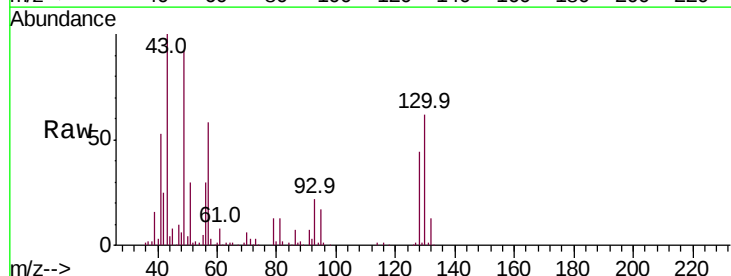
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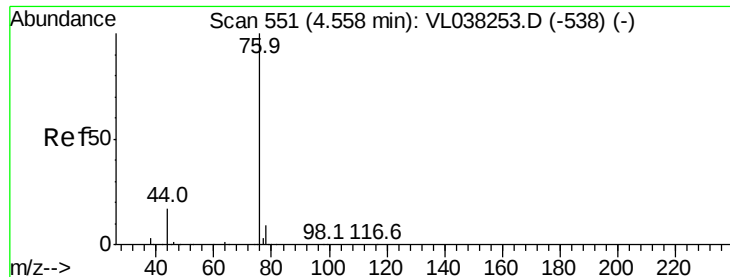
Reviewed By :Semsettin Yesilyurt 01/25/2022
Supervised By :Mahesh Dadoda 01/26/2022



#26
Hexane
Concen: 1.808 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: 0.00 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

Tgt Ion: 57 Resp: 197582
Ion Ratio Lower Upper
57 100
41 93.9 72.8 109.2
43 226.0 177.0 265.6
56 54.4 43.3 64.9





#27

Carbon Disulfide

Concen: 2.405 ppbv

RT: 4.56 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 24 Jan 2022 10:08 VSTDIC002

Tot Ion:

Ion Ratio

76 100

44 20.

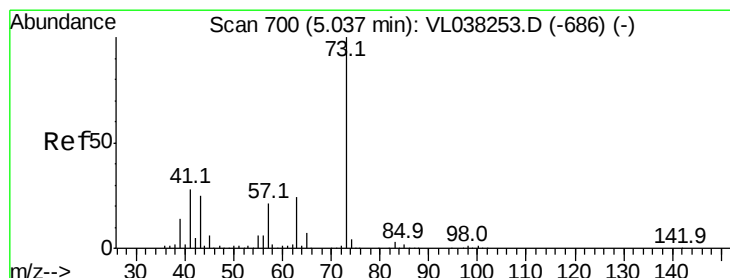
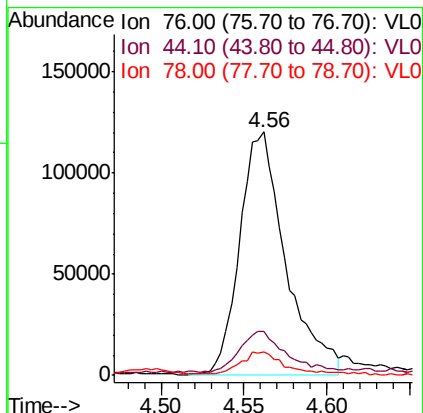
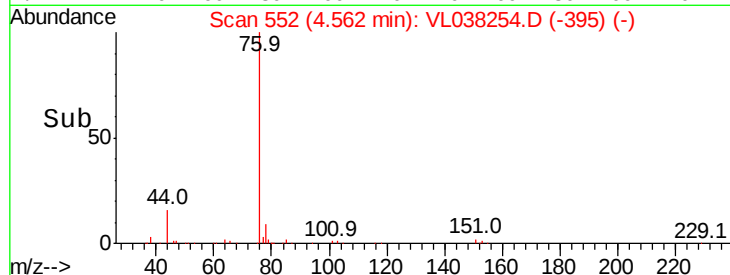
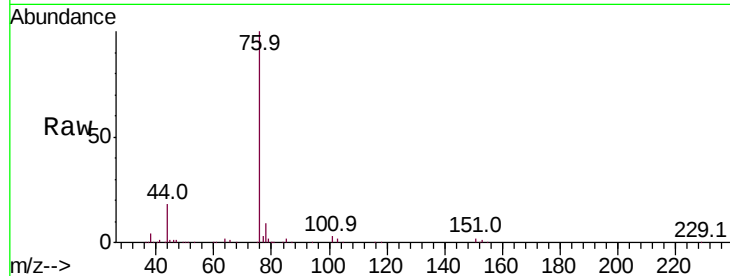
78 10.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/25/2022

Supervised By :Mahesh Dadoda 01/26/2022



#28

Methyl tert-Butyl Ether

Concen: 1.959 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.01 min

Lab File: VL038254.D

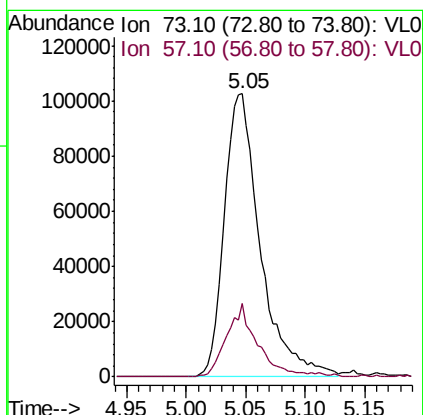
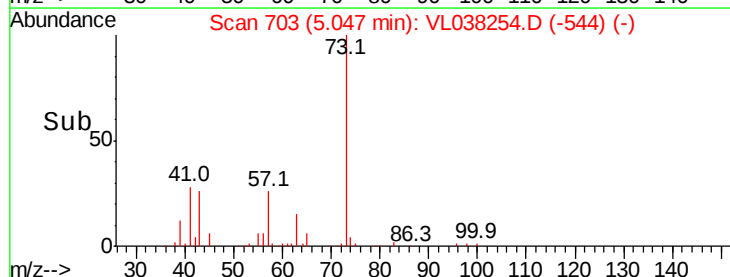
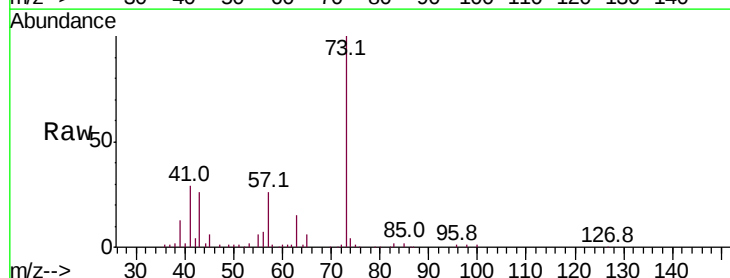
Acq: 24 Jan 2022 10:08

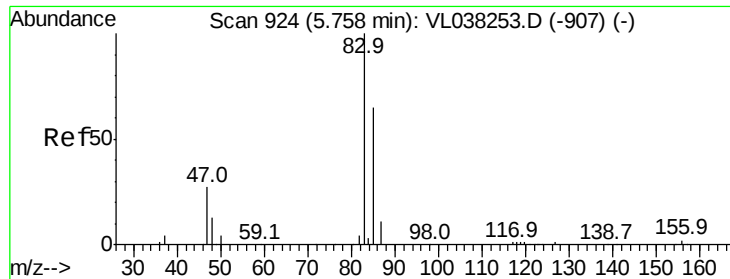
Tgt Ion: 73 Resp: 215155

Ion Ratio Lower Upper

73 100

57 22.8 18.2 27.4



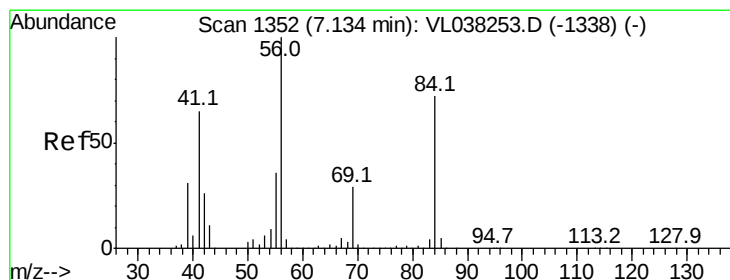
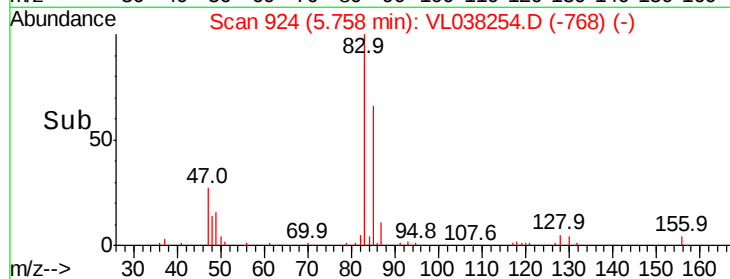
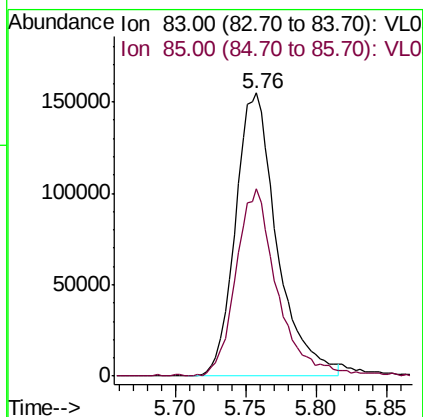
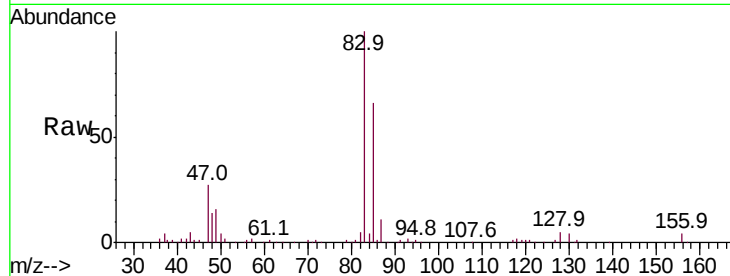


#29
Chloroform
Concen: 1.975 ppbv
RT: 5.76
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Jan 2022 10:08

Tot Ion:
Ion Ratio
83 100
85 66.

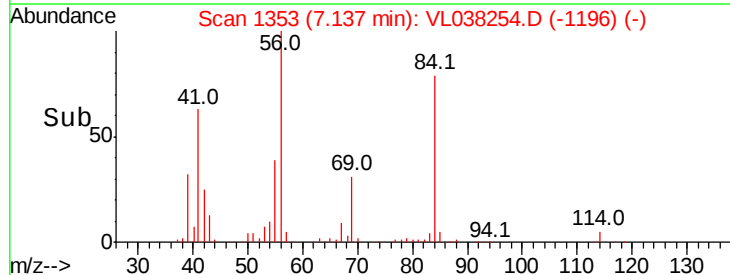
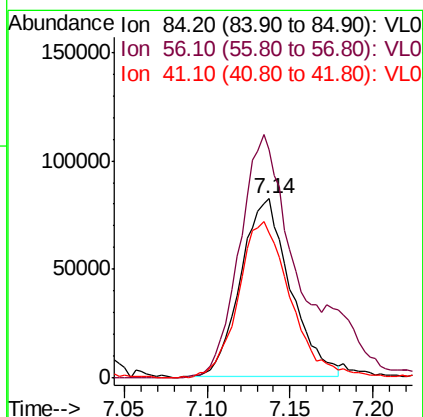
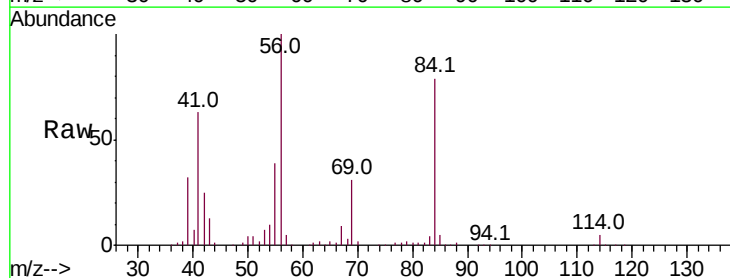
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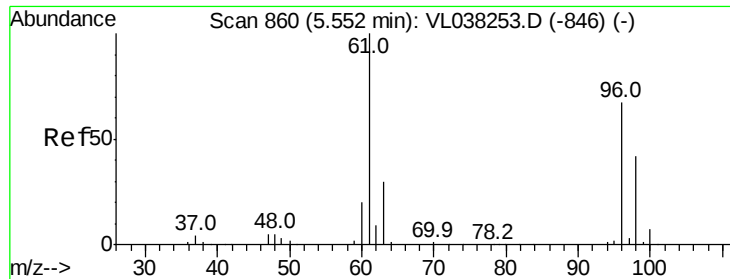
Reviewed By :Semsettin Yesilyurt 01/25/2022
Supervised By :Mahesh Dadoda 01/26/2022



#30
Cyclohexane
Concen: 1.757 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

Tgt Ion: 84 Resp: 170075
Ion Ratio Lower Upper
84 100
56 173.9 112.7 169.1#
41 95.0 71.1 106.7





#31

cis-1,2-Dichloroethene

Concen: 1.730 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC002

Acq: 24 Jan 2022 10:08

Tot Ion:

Ion Ratio

61 100

96 67.

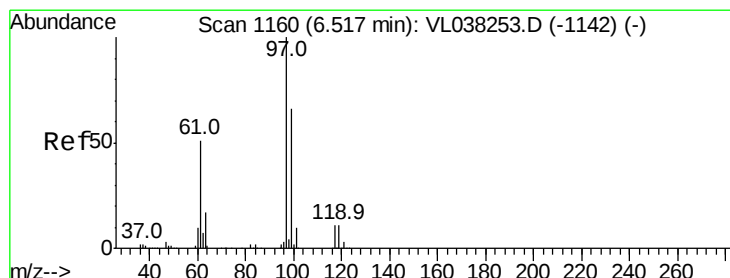
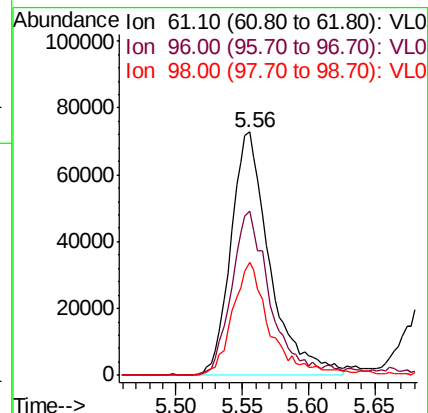
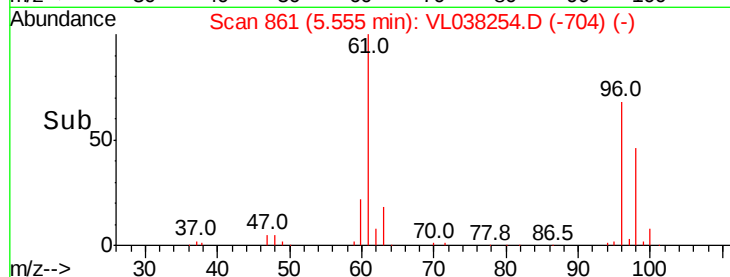
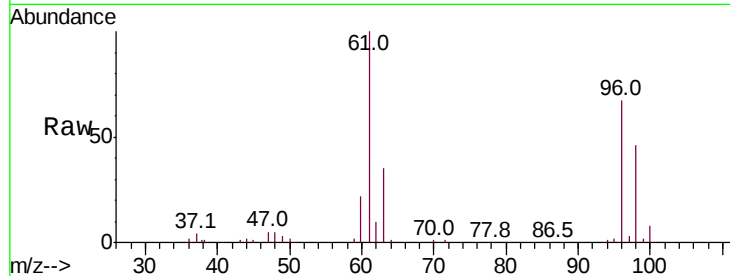
98 46.

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APPROVED

Reviewed By :Semsettin Yesilyurt 01/25/2022

Supervised By :Mahesh Dadoda 01/26/2022



#32

1,1,1-Trichloroethane

Concen: 2.042 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

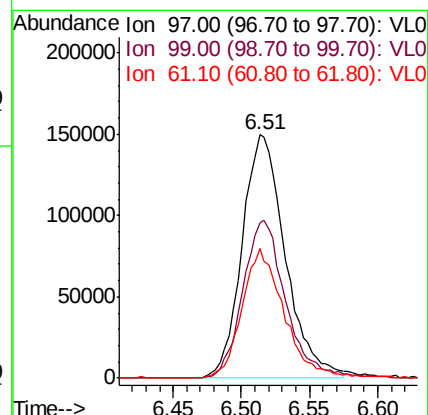
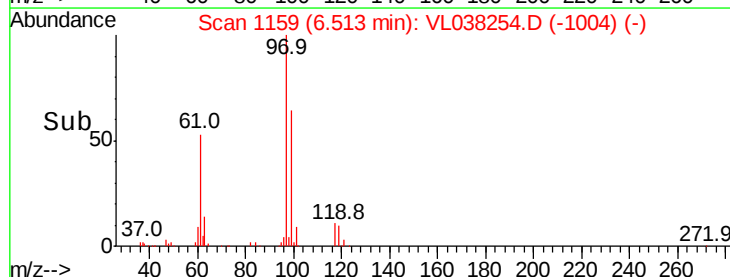
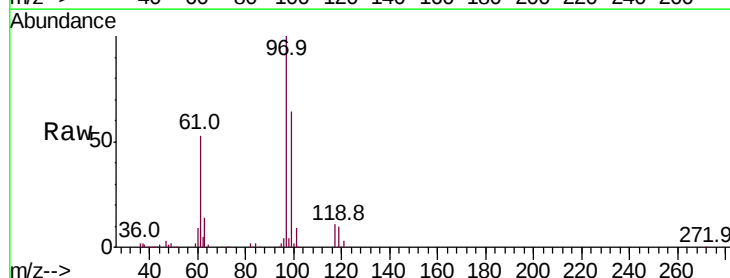
Tgt Ion: 97 Resp: 328692

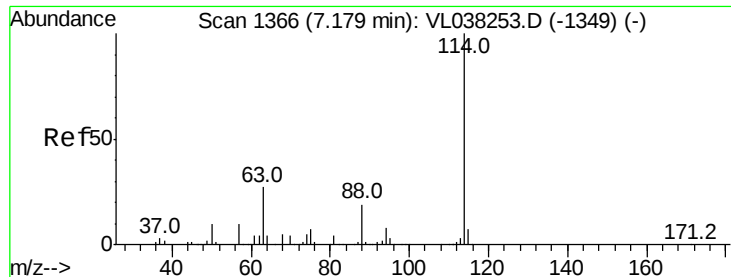
Ion Ratio Lower Upper

97 100

99 64.8 51.5 77.3

61 52.3 40.5 60.7



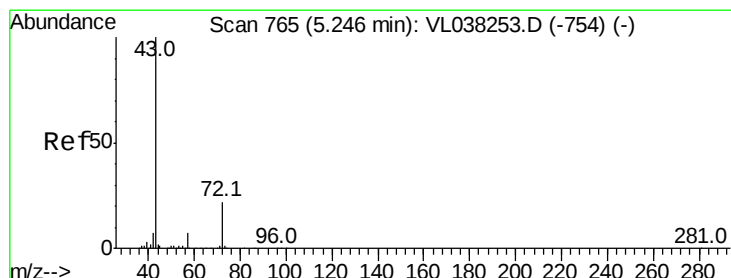
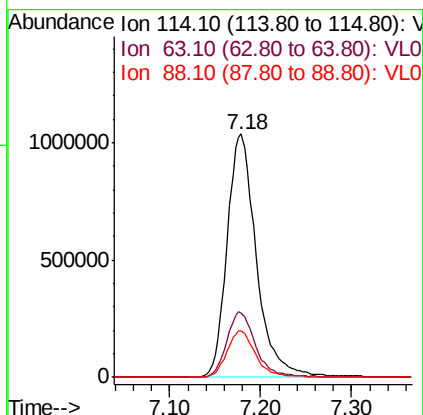
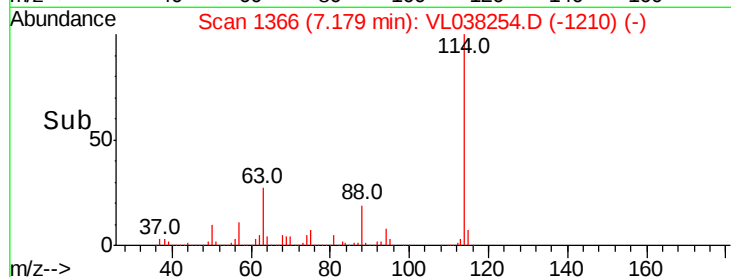
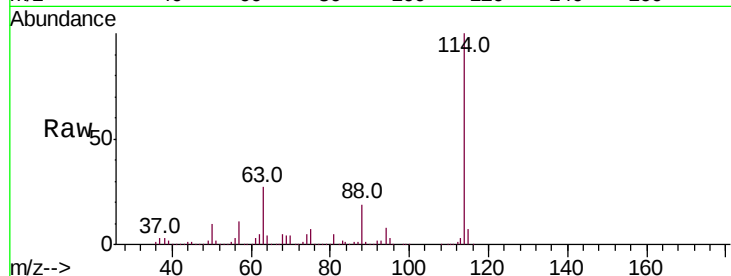


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 24 Jan 2022 10:08

Tot Ion:1
 Ion Rati
 114 100
 63 26.
 88 19.

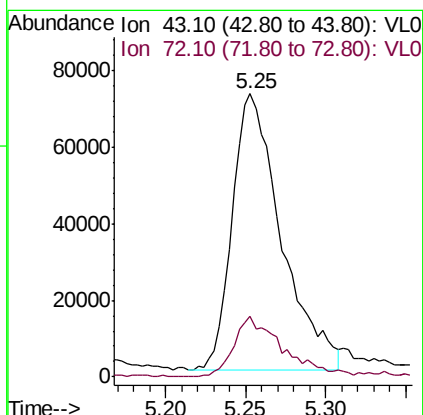
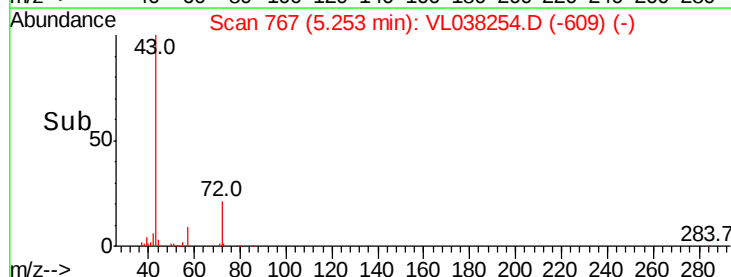
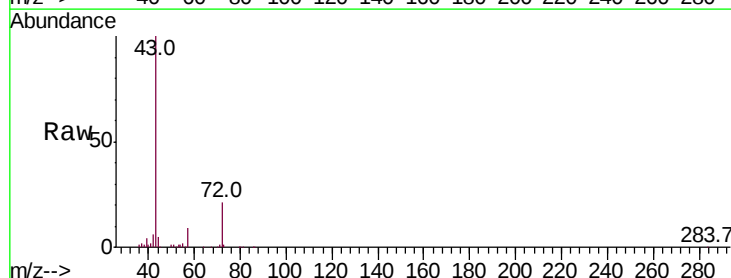
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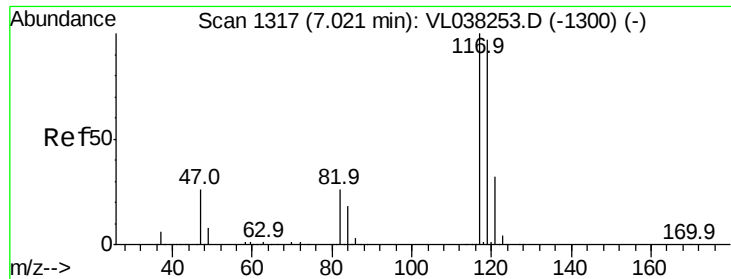
Reviewed By :Semsettin Yesilyurt 01/25/2022
 Supervised By :Mahesh Dadoda 01/26/2022



#34
 2-Butanone
 Concen: 2.177 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VL038254.D
 Acq: 24 Jan 2022 10:08

Tgt Ion: 43 Resp: 151763
 Ion Ratio Lower Upper
 43 100
 72 23.1 18.1 27.1



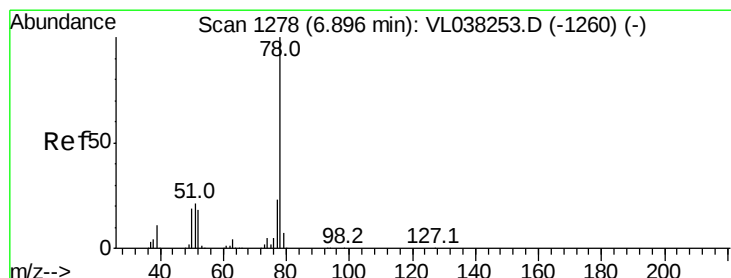
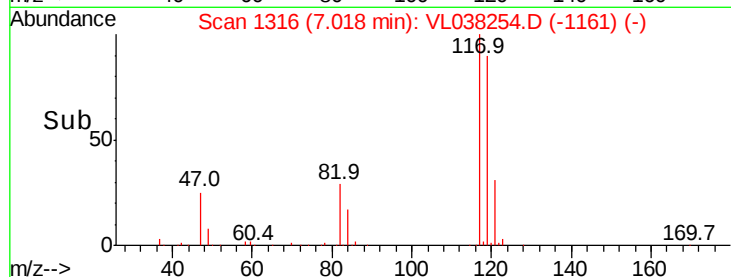
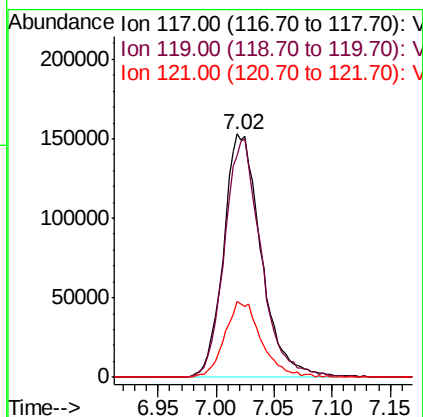
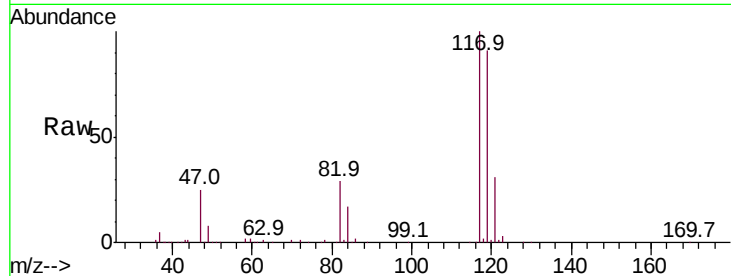


#35
Carbon Tetrachloride
Concen: 2.385 ppbv
RT: 7.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC002
Acq: 24 Jan 2022 10:08

Tot Ion:1
Ion Rati
117 100
119 91.
121 31.

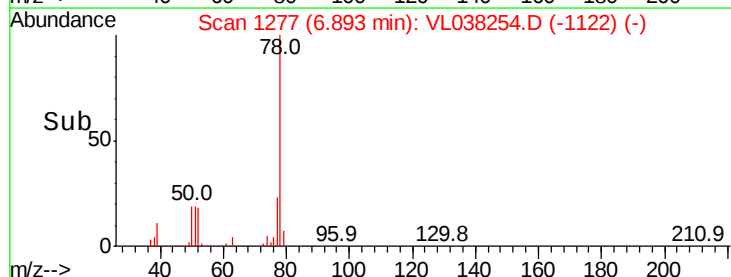
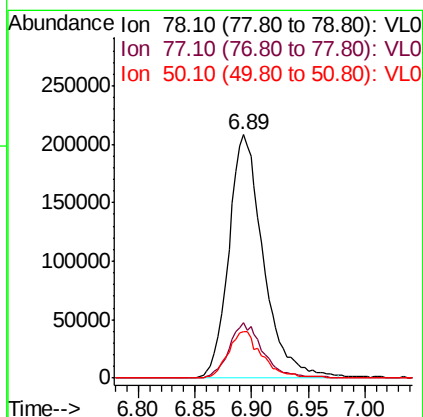
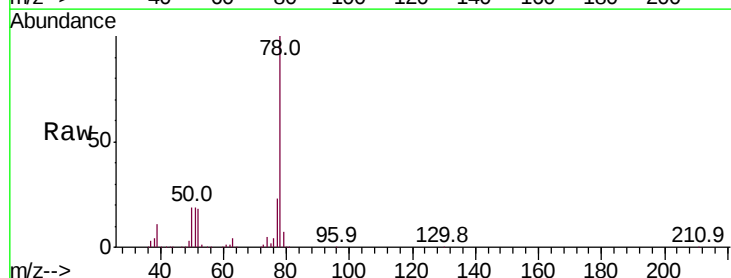
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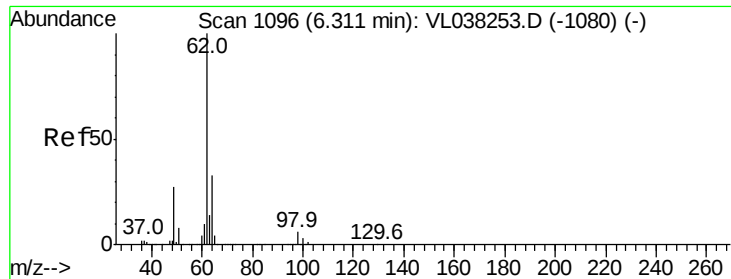
Reviewed By :Semsettin Yesilyurt 01/25/2022
Supervised By :Mahesh Dadoda 01/26/2022



#36
Benzene
Concen: 2.043 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.00 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

Tgt Ion: 78 Resp: 442170
Ion Ratio Lower Upper
78 100
77 22.5 18.2 27.2
50 19.0 15.1 22.7



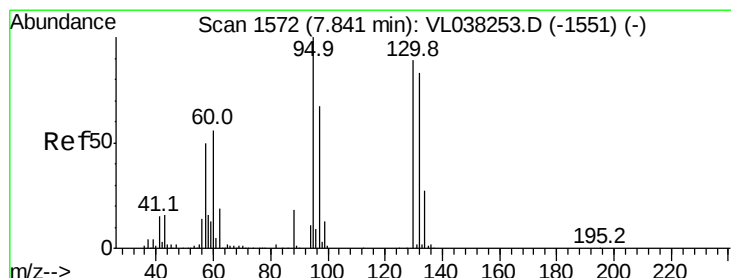
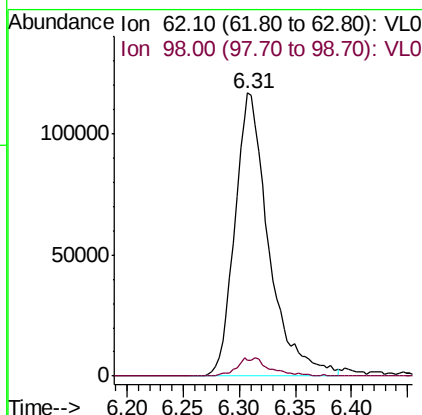
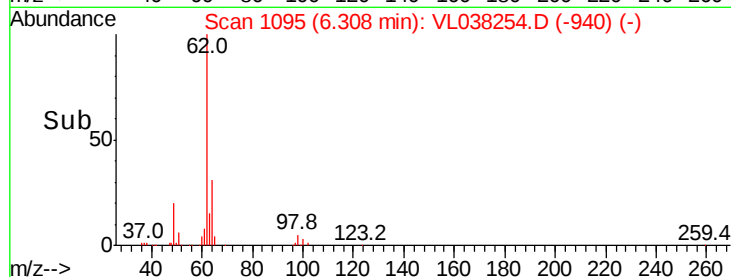
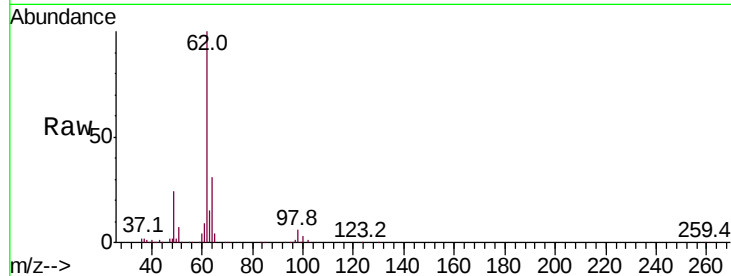


#37
 1,2-Dichloroethane
 Concen: 2.258 ppbv m
 RT: 6.31
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC002
 Acq: 24 Jan 2022 10:08

Tot Ion:
 Ion Ratio
 62 100
 98 6.

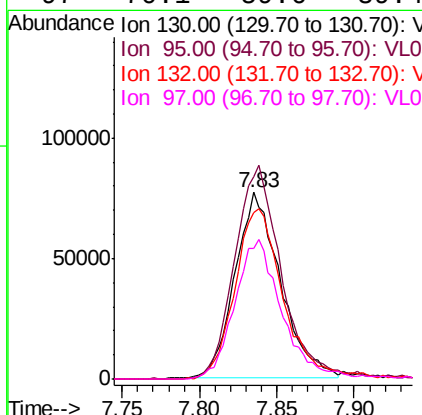
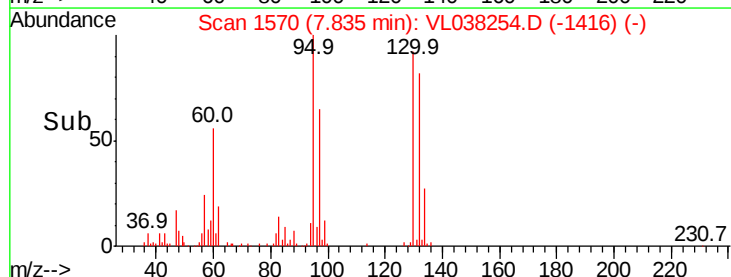
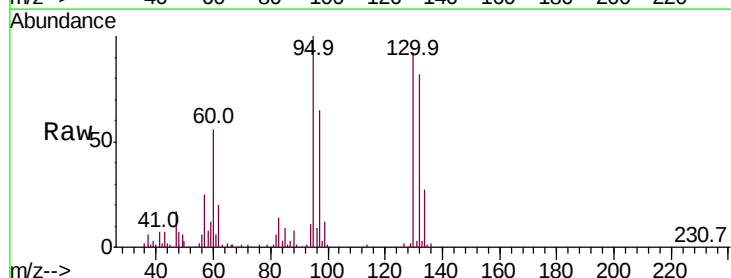
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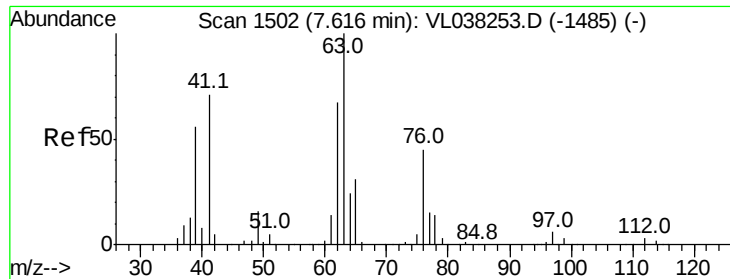
Reviewed By :Semsettin Yesilyurt 01/25/2022
 Supervised By :Mahesh Dadoda 01/26/2022



#38
 Trichloroethene
 Concen: 1.910 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL038254.D
 Acq: 24 Jan 2022 10:08

Tgt Ion:130 Resp: 157311
 Ion Ratio Lower Upper
 130 100
 95 108.3 89.4 134.2
 132 88.9 74.6 111.8
 97 70.1 59.6 89.4



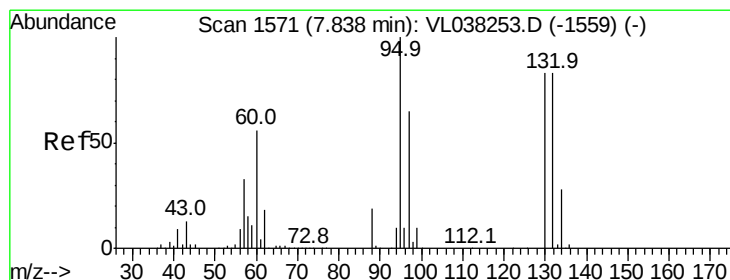
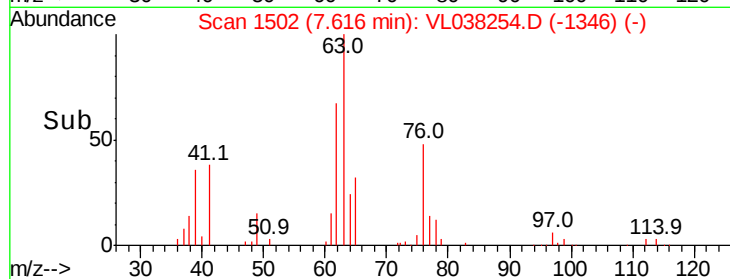
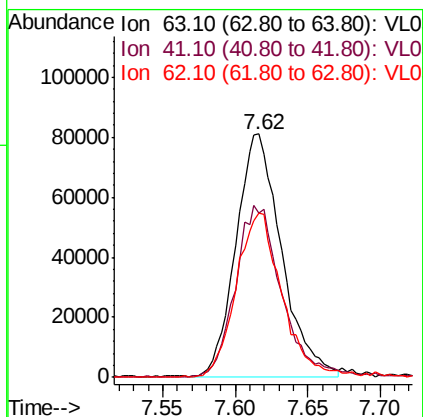
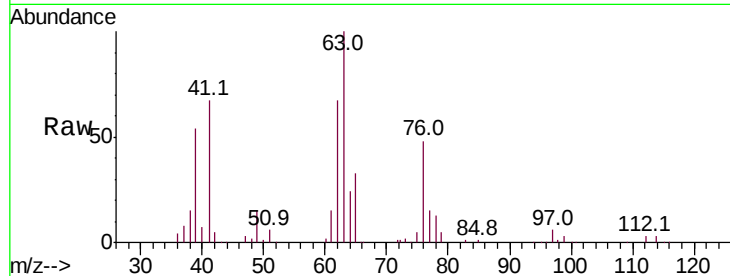


#39
 1,2-Dichloropropane
 Concen: 2.117 ppbv
 RT: 7.62
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 24 Jan 2022 10:08

Tot Ion:
 Ion Ratio
 63 100
 41 67.
 62 67.

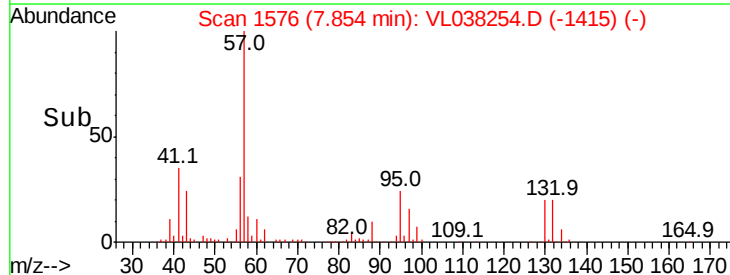
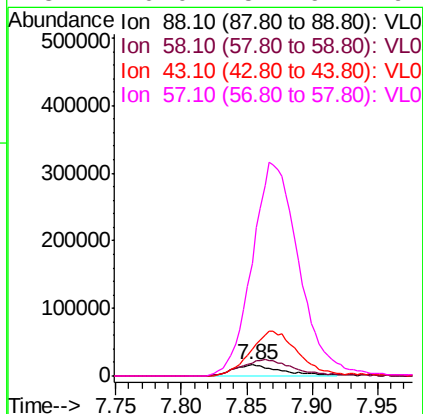
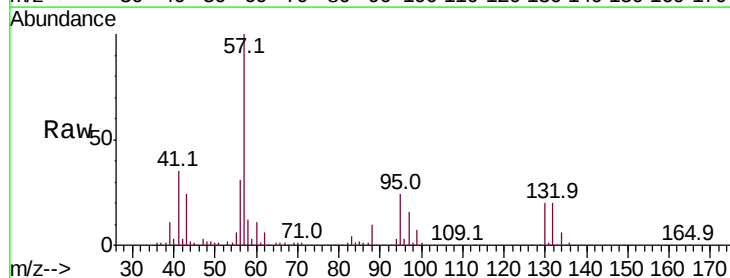
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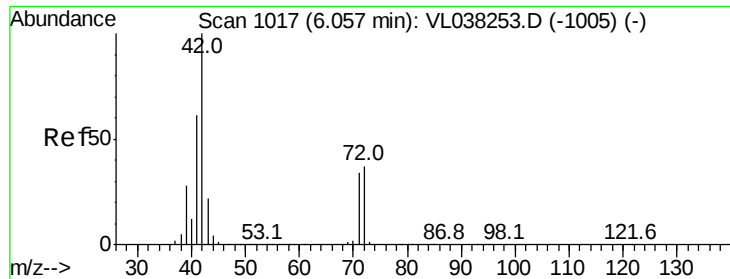
Reviewed By :Semsettin Yesilyurt 01/25/2022
 Supervised By :Mahesh Dadoda 01/26/2022



#40
 1,4-Dioxane
 Concen: 1.757 ppbv m
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.02 min
 Lab File: VL038254.D
 Acq: 24 Jan 2022 10:08

Tgt Ion: 88 Resp: 42566
 Ion Ratio Lower Upper
 88 100
 58 0.0 138.6 208.0#
 43 0.0 346.9 520.3#
 57 0.0 1527.9 2291.9#



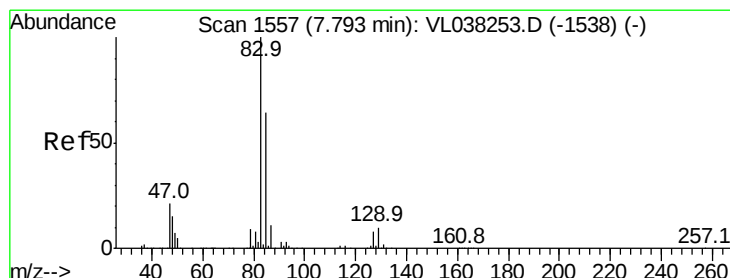
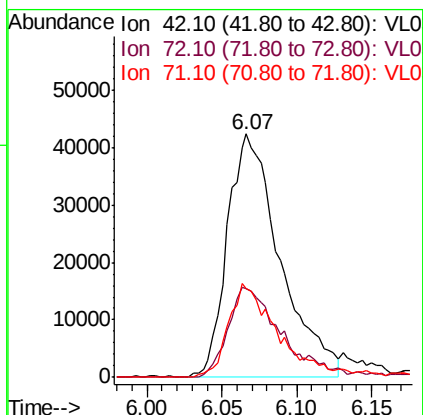
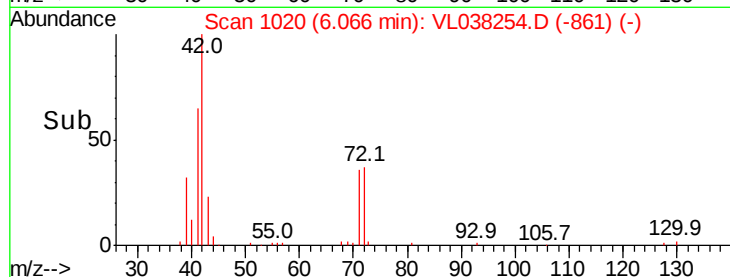
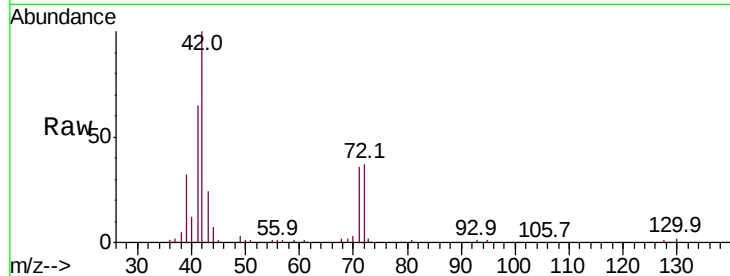


#41
Tetrahydrofuran
Concen: 2.040 ppbv
RT: 6.07
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC002
Acq: 24 Jan 2022 10:08

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

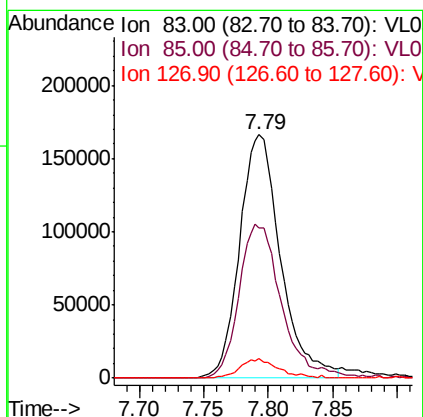
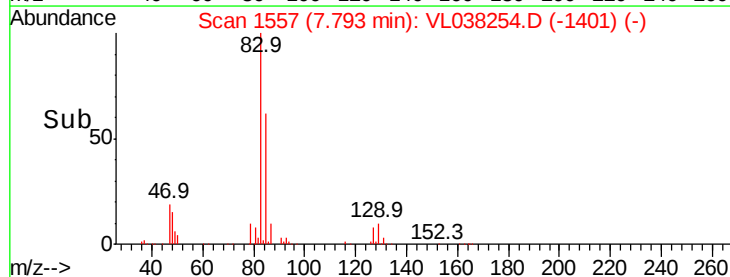
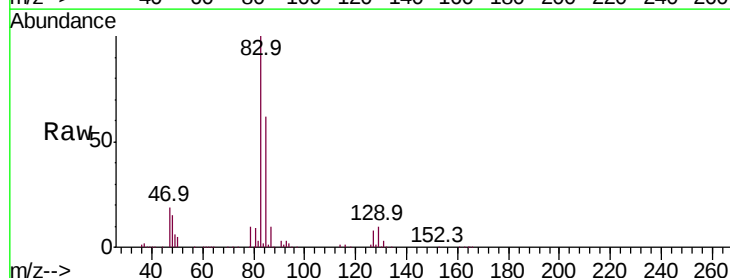
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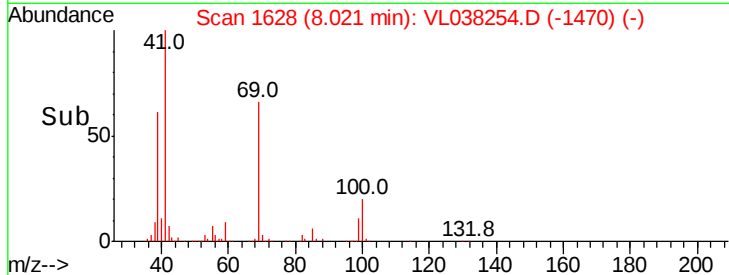
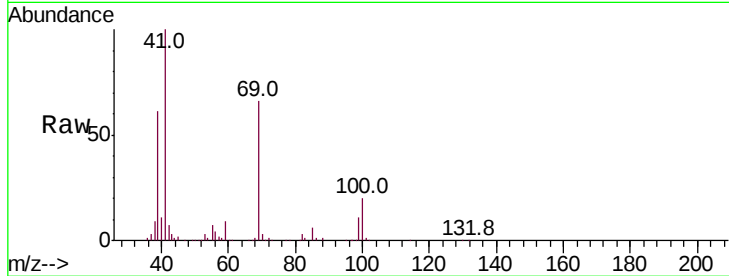
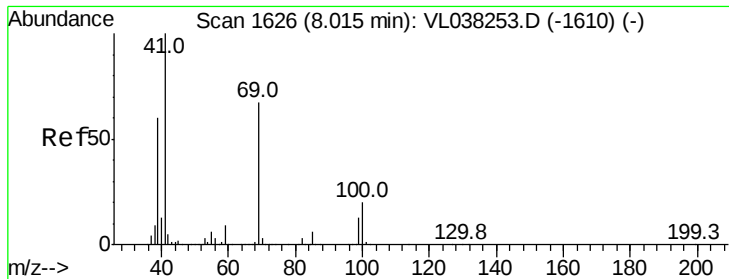
Reviewed By :Semsettin Yesilyurt 01/25/2022
Supervised By :Mahesh Dadoda 01/26/2022



#42
Bromodichloromethane
Concen: 2.384 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. 0.00 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

Tgt Ion: 83 Resp: 368245
Ion Ratio Lower Upper
83 100
85 61.7 51.5 77.3
127 7.9 6.2 9.4



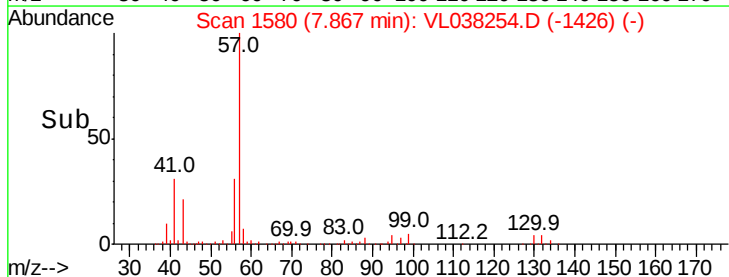
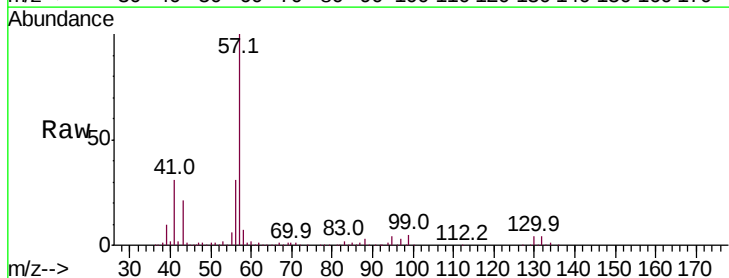
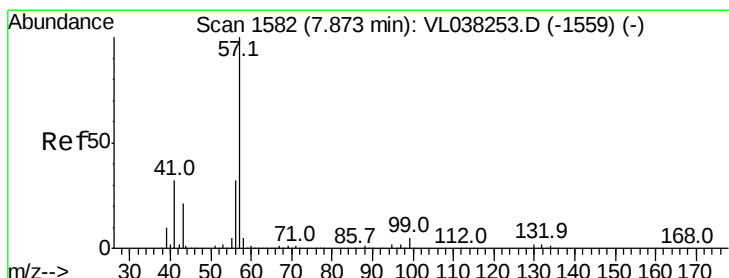
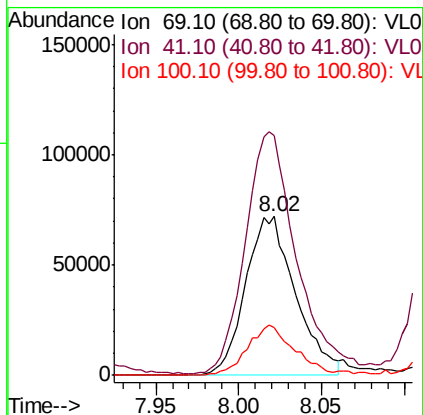


#43
Methvl Methacrvlate
Concen: 2.030 ppbv
RT: 8.02
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
VSTDIC002
Acq: 24 Jan 2022 10:08

Tot Ion:
Ion Ratio
69 100
41 157.
100 30.

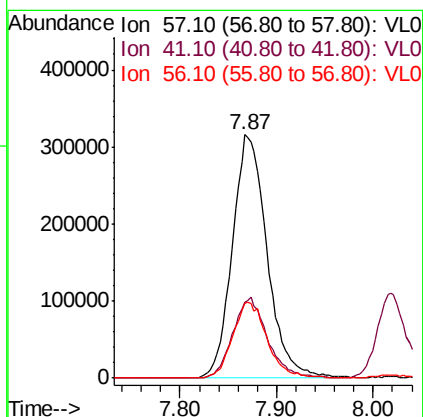
Manual Integrations
APPROVED

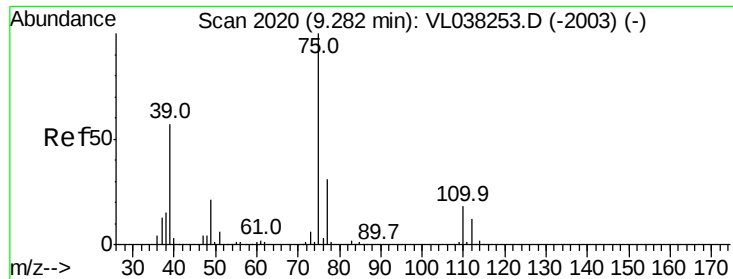
Reviewed By :Semsettin Yesilyurt 01/25/2022
Supervised By :Mahesh Dadoda 01/26/2022



#44
2,2,4-Trimethylpentane
Concen: 2.146 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

Tgt Ion: 57 Resp: 788947
Ion Ratio Lower Upper
57 100
41 33.2 26.3 39.5
56 31.1 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 2.103 ppbv

RT: 9.28

Instrument: MSVOA_L

Delta R.T. 0.00

Lab File: ClientSampleId: VSTDIC002

Acq: 24 Jan 2022 10:08

Tot Ion:

Ion Ratio

75 100

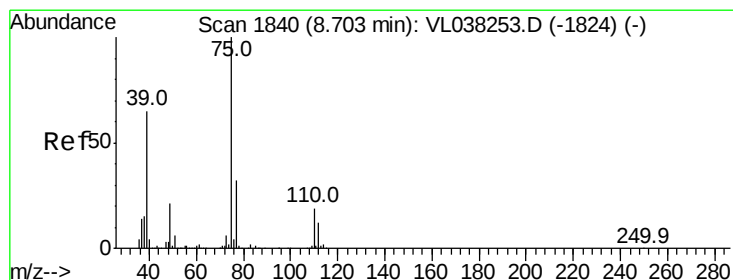
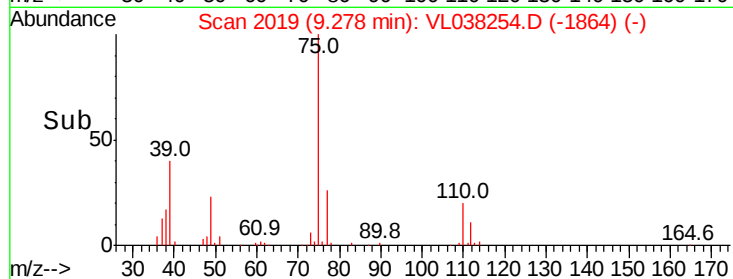
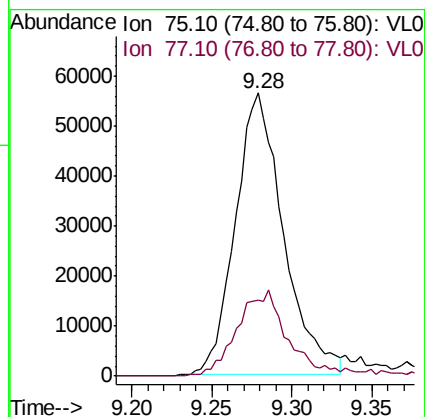
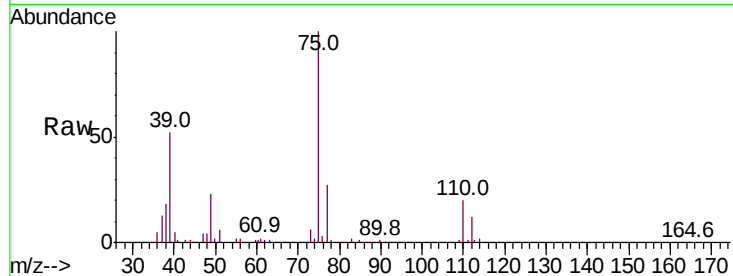
77 27.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/25/2022

Supervised By :Mahesh Dadoda 01/26/2022



#46

cis-1,3-Dichloropropene

Concen: 2.072 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

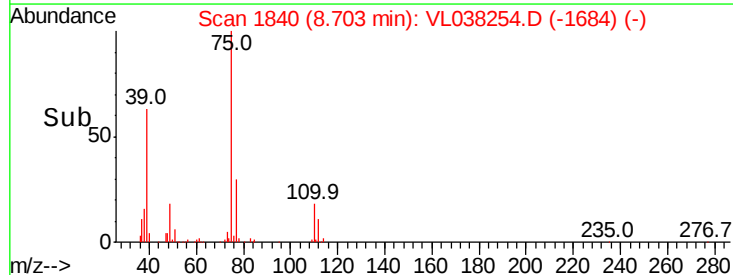
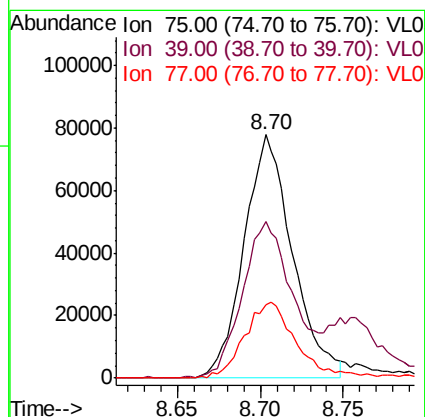
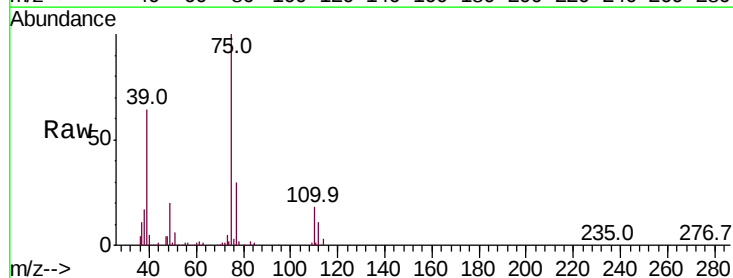
Tgt Ion: 75 Resp: 158040

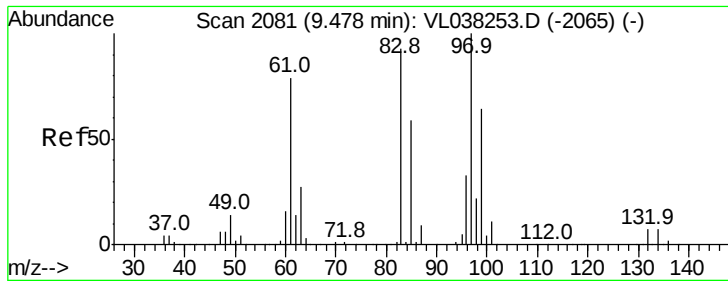
Ion Ratio Lower Upper

75 100

39 63.7 52.3 78.5

77 30.2 25.4 38.0



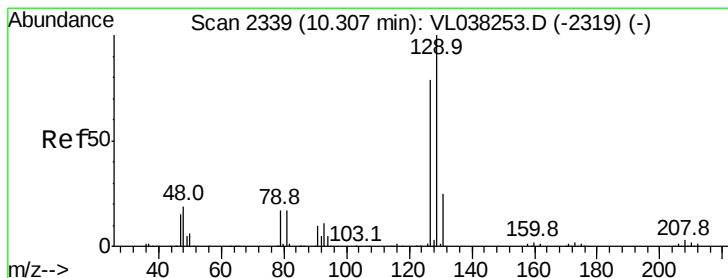
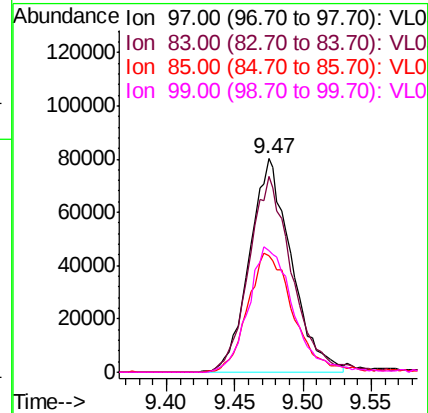
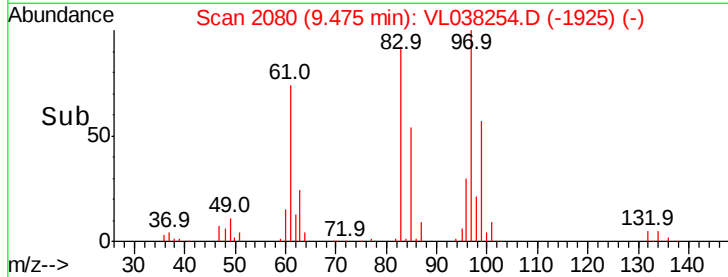
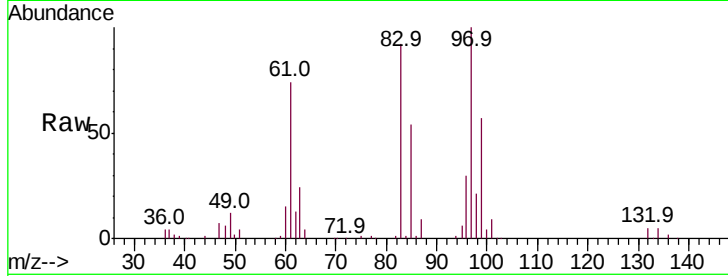


#47
 1,1,2-Trichloroethane
 Concen: 1.973 ppbv
 RT: 9.47 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampled :
 VSTDIC002
 Acq: 24 Jan 2022 10:08

Tot Ion:
 Ion Ratio
 97 100
 83 91.
 85 54.
 99 57.0 51.1 76.7

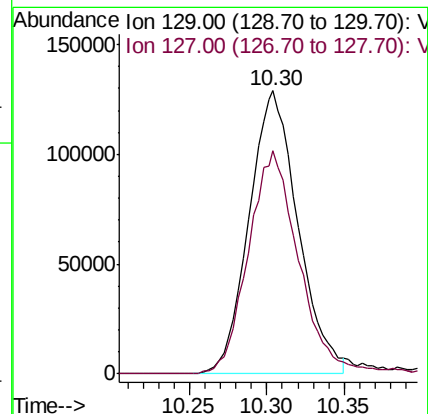
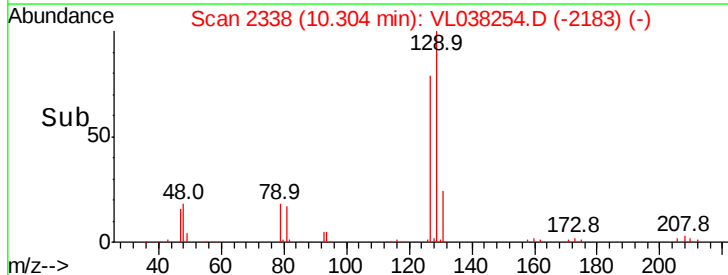
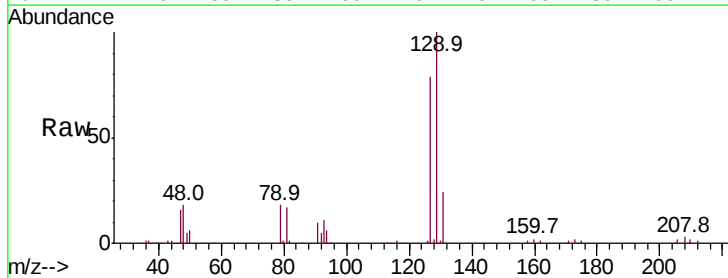
Manual Integrations
 APPROVED

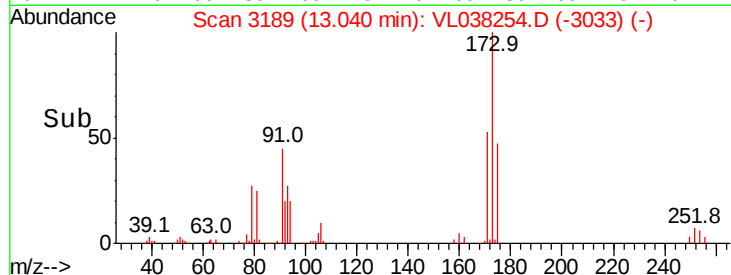
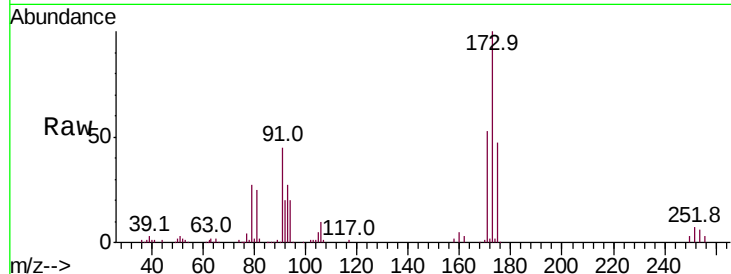
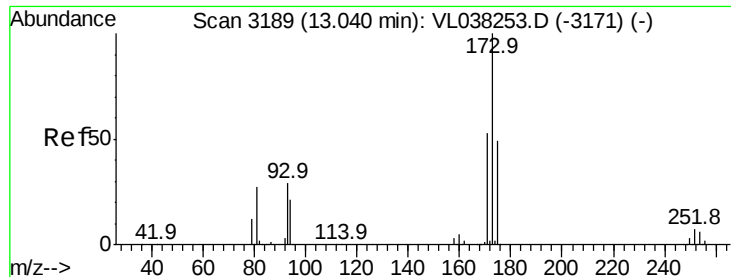
Reviewed By :Semsettin Yesilyurt 01/25/2022
 Supervised By :Mahesh Dadoda 01/26/2022



#48
 Dibromochloromethane
 Concen: 2.334 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.00 min
 Lab File: VL038254.D
 Acq: 24 Jan 2022 10:08

Tgt Ion:129 Resp: 283715
 Ion Ratio Lower Upper
 129 100
 127 83.1 39.1 117.3





#49

Bromoform

Concen: 2.493 ppbv m

RT: 13.04

Delta R.T.

Lab File:

Acq: 24 Jan 2022 10:08

Instrument:

MSVOA_L

ClientSampleId:

VSTDIC002

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/25/2022

Supervised By :Mahesh Dadoda 01/26/2022

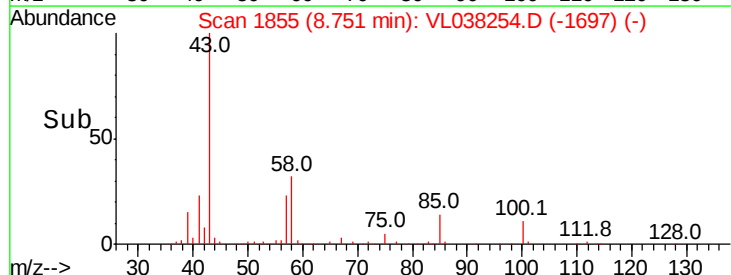
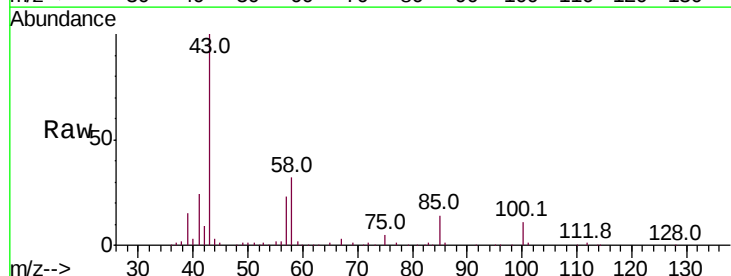
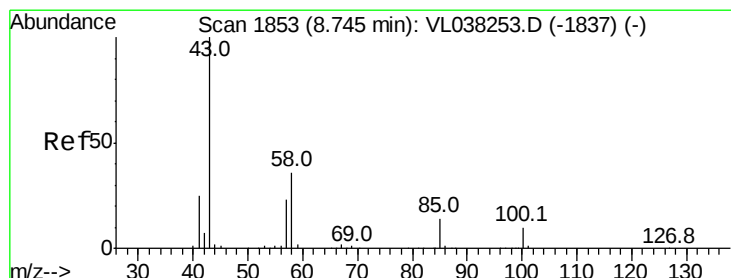
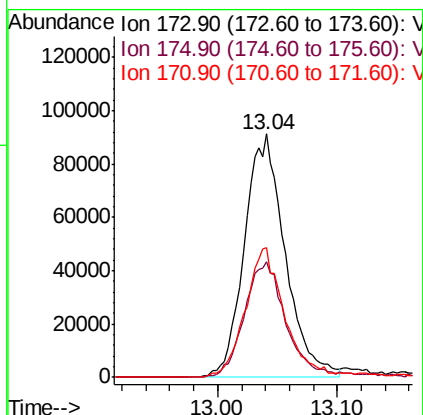
Tot Ion:1

Ion Rati

173 100

175 49.

171 53.



#50

4-Methyl-2-Pentanone

Concen: 2.242 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL038254.D

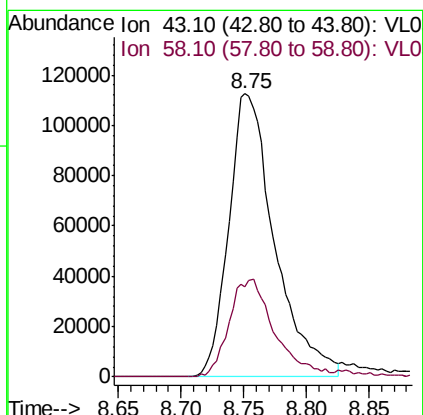
Acq: 24 Jan 2022 10:08

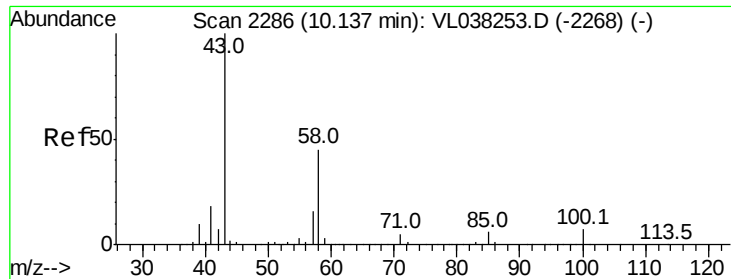
Tgt Ion: 43 Resp: 284221

Ion Ratio Lower Upper

43 100

58 34.5 28.2 42.4



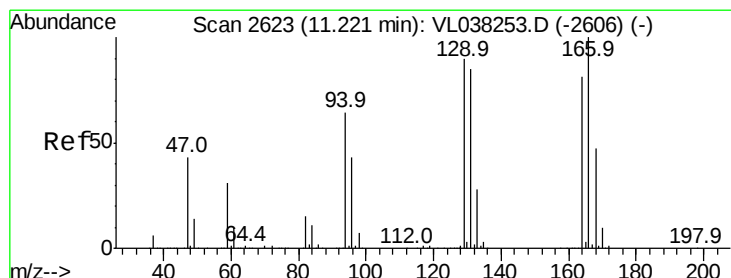
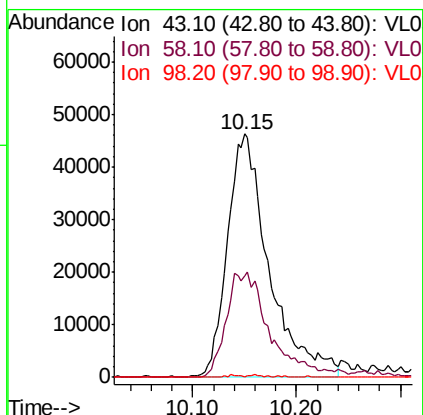
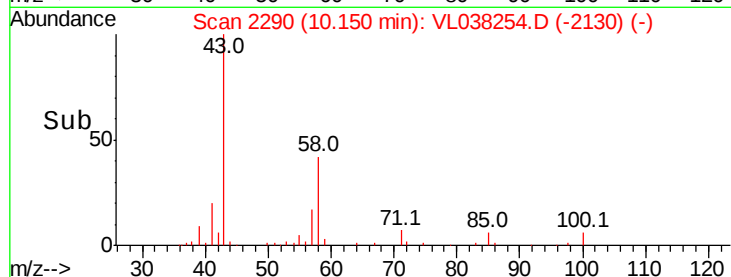
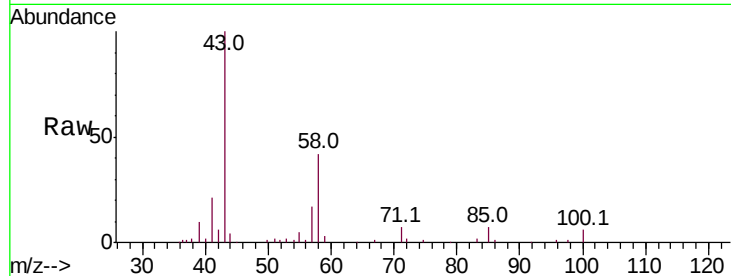


#51
2-Hexanone
Concen: 2.131 ppbv m
RT: 10.15
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 24 Jan 2022 10:08
VSTDIC002

Tot Ion:
Ion Ratio
43 100
58 47.
98 0.

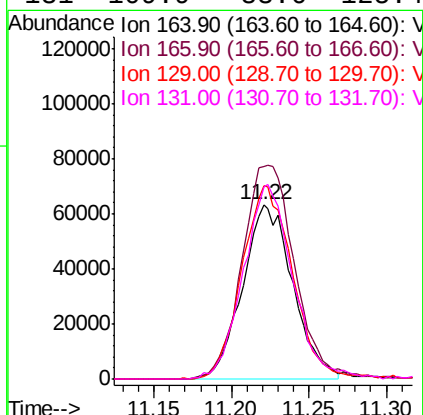
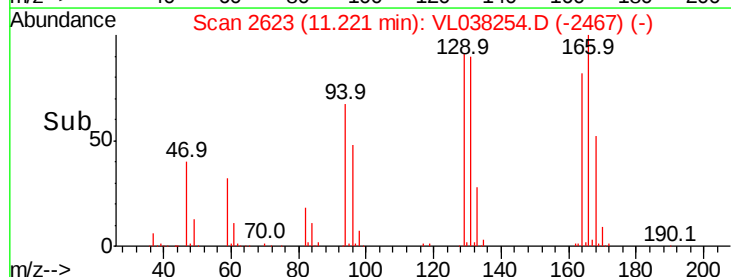
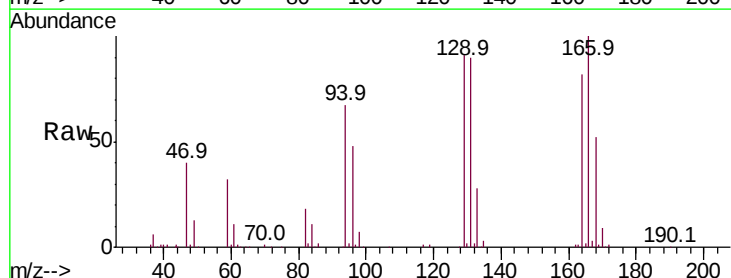
Manual Integrations
APPROVED

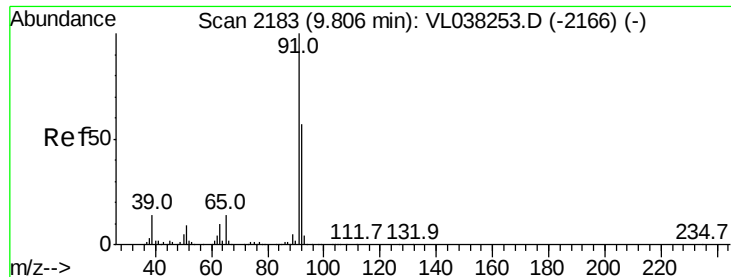
Reviewed By :Semsettin Yesilyurt 01/25/2022
Supervised By :Mahesh Dadoda 01/26/2022



#52
Tetrachloroethene
Concen: 1.783 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

Tgt Ion:164 Resp: 142439
Ion Ratio Lower Upper
164 100
166 121.1 98.8 148.2
129 110.5 89.2 133.8
131 109.9 83.6 125.4





#53

Toluene

Concen: 1.960 ppbv

RT: 9.81 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Jan 2022 10:08 VSTDIC002

Tot Ion:

Ion Ratio

91 100

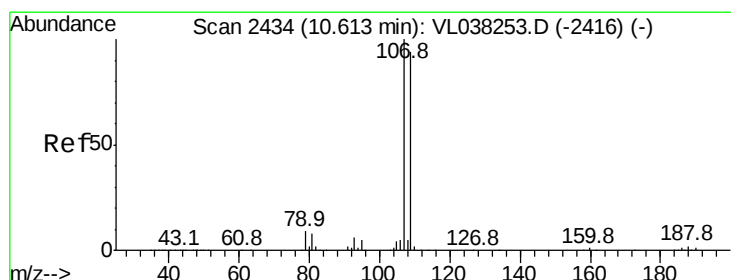
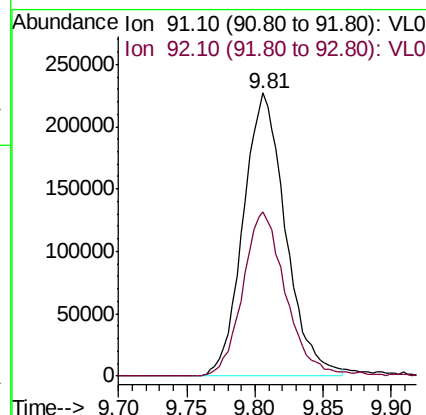
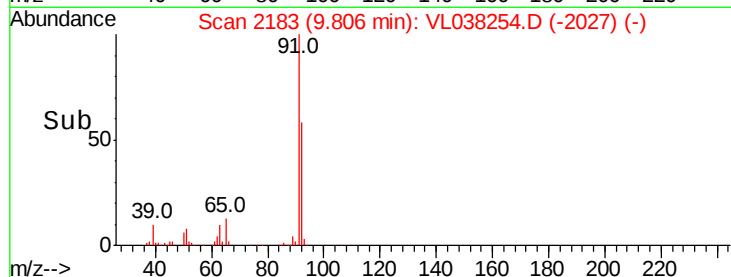
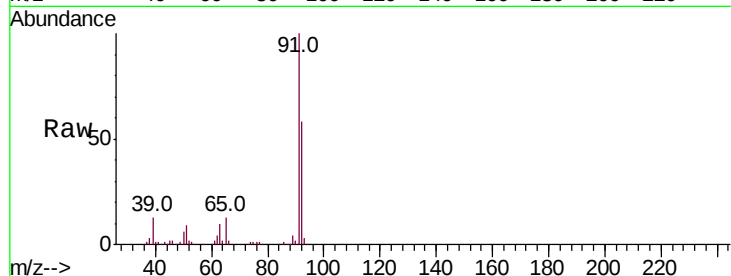
92 59.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/25/2022

Supervised By :Mahesh Dadoda 01/26/2022



#54

1,2-Dibromoethane

Concen: 1.977 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.00 min

Lab File: VL038254.D

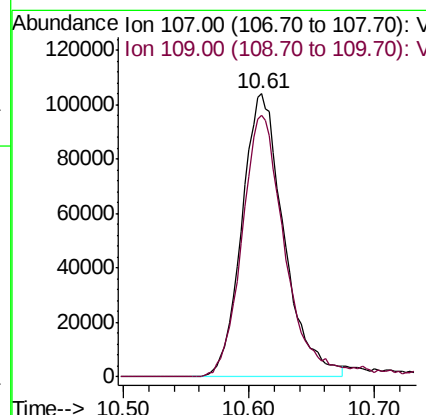
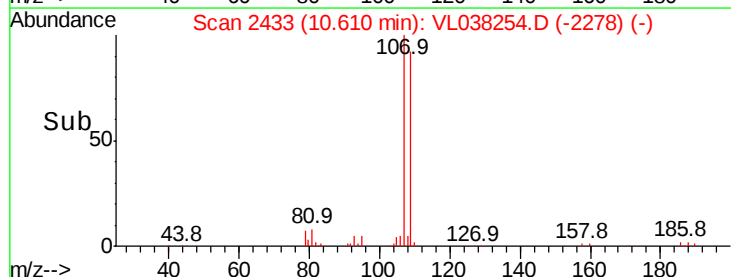
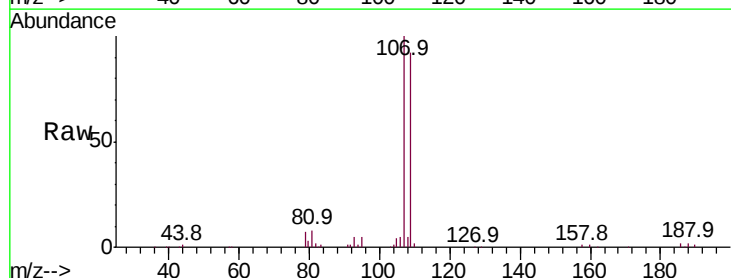
Acq: 24 Jan 2022 10:08

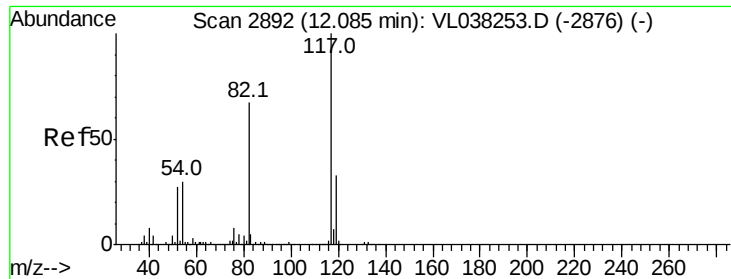
Tgt Ion:107 Resp: 242404

Ion Ratio Lower Upper

107 100

109 92.5 75.4 113.0



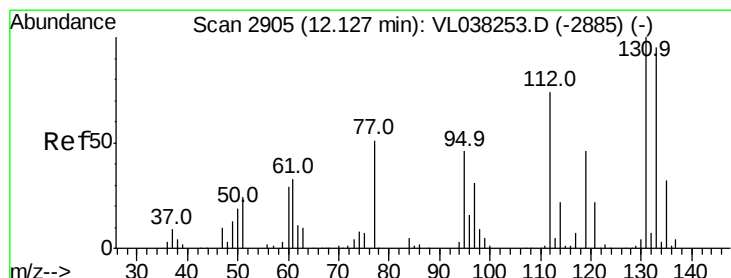
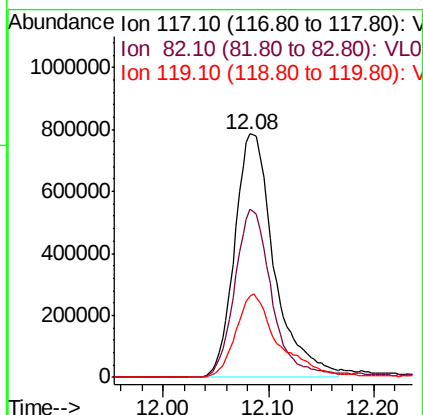
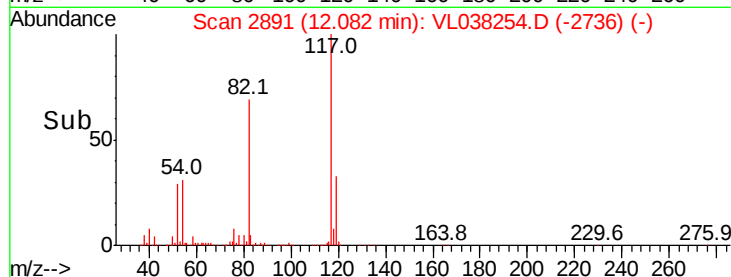
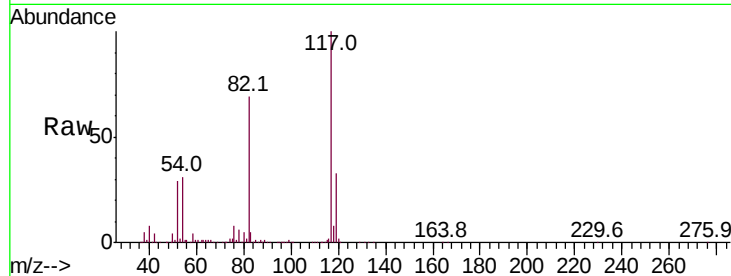


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC002
Acq: 24 Jan 2022 10:08

Tot Ion:1
Ion Rati
117 100
82 67.
119 38.

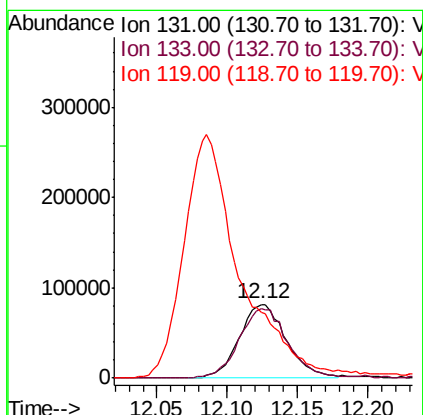
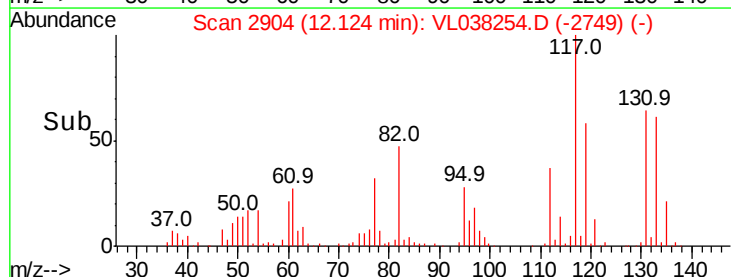
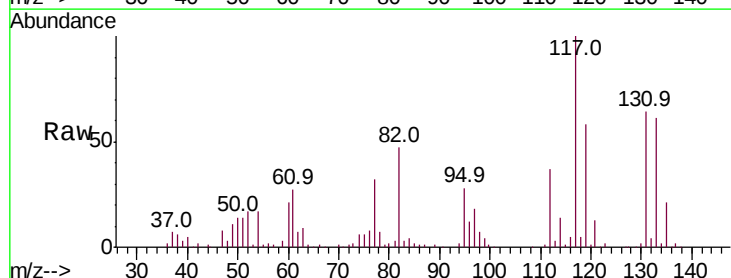
Manual Integrations
APPROVED

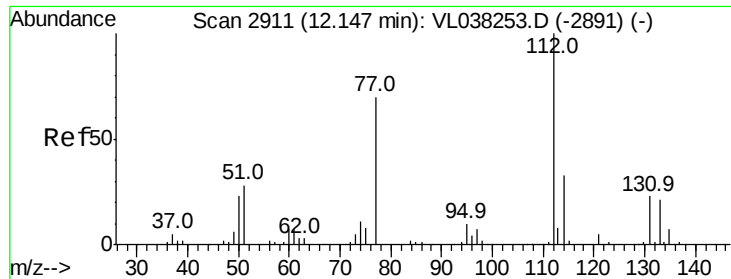
Reviewed By :Semsettin Yesilyurt 01/25/2022
Supervised By :Mahesh Dadoda 01/26/2022



#56
1,1,1,2-Tetrachloroethane
Concen: 2.230 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.00 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

Tgt Ion:131 Resp: 190317
Ion Ratio Lower Upper
131 100
133 98.6 76.0 114.0
119 410.1 53.0 79.4#



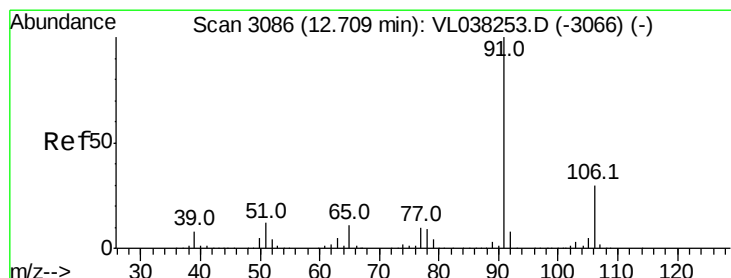
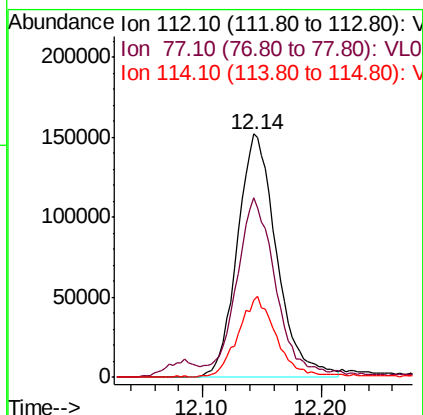
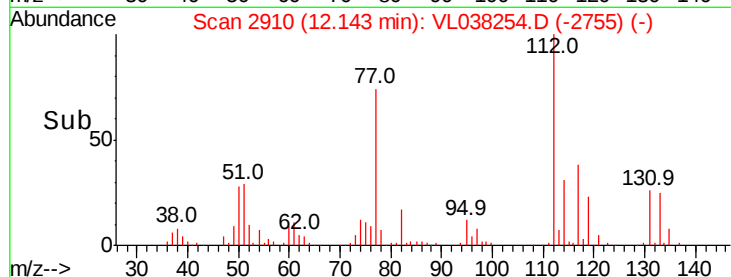
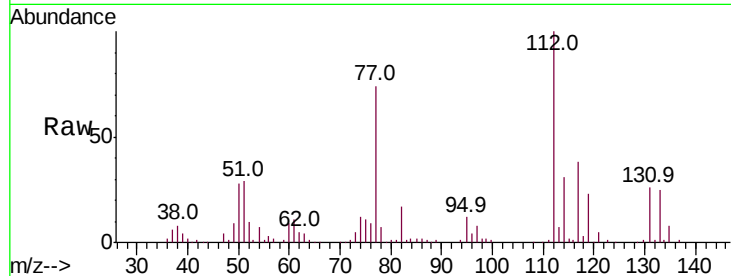


#57
Chlorobenzene
Concen: 1.959 ppbv
RT: 12.14 min
Delta R.T. 0.00 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

Tot Ion: 1
Ion Ratio
112 100
77 71.1
114 31.1

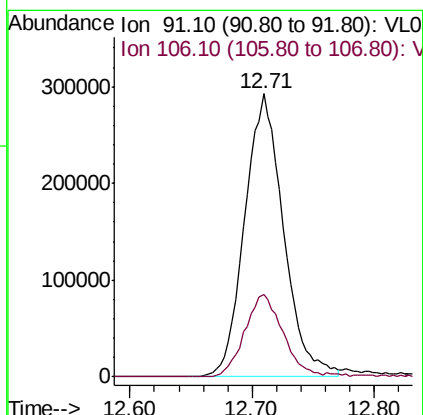
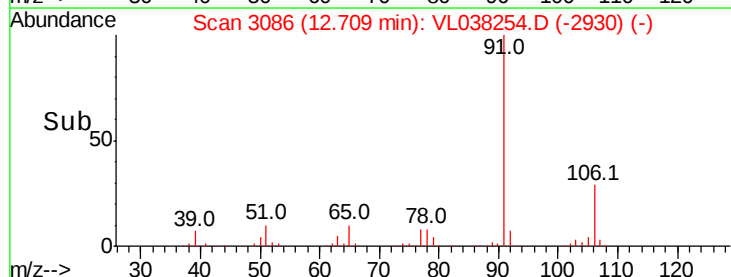
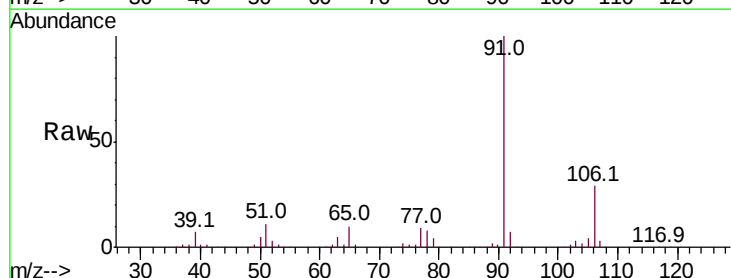
Manual Integrations
APPROVED

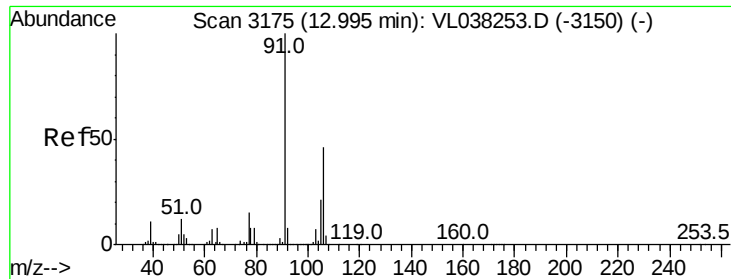
Reviewed By :Semsettin Yesilyurt 01/25/2022
Supervised By :Mahesh Dadoda 01/26/2022



#58
Ethyl Benzene
Concen: 2.018 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

Tgt Ion: 91 Resp: 642795
Ion Ratio Lower Upper
91 100
106 29.0 24.1 36.1



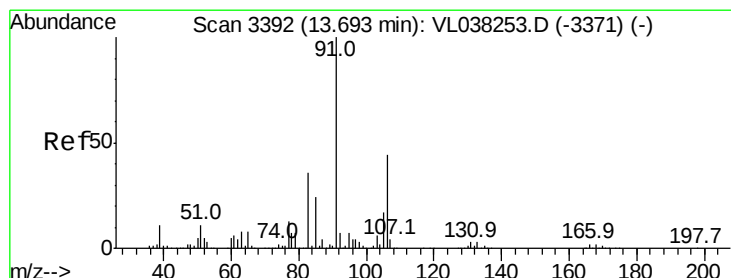
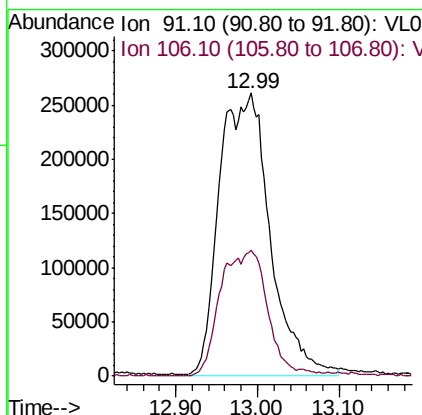
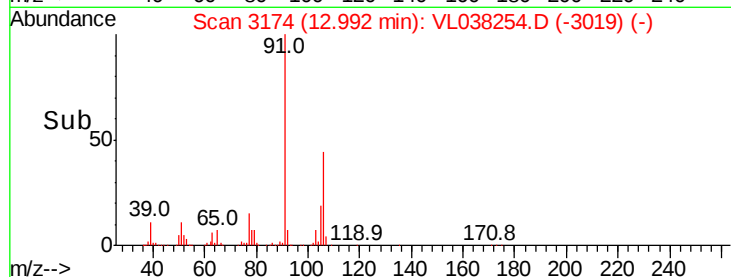
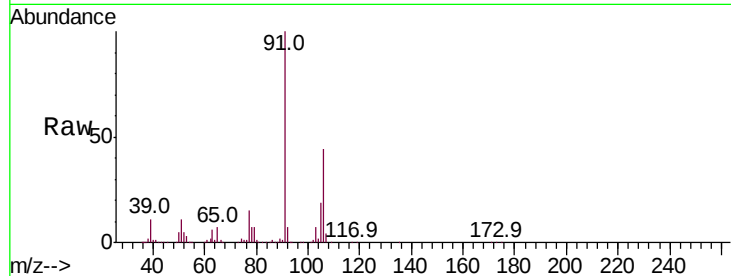


#59
m/p-Xylene
Concen: 4.139 ppbv m
RT: 12.99 min
Instrument: MSVOA_1
Delta R.T.: -0.00 min
Lab File: ClientSampleId : VSTDIC002
Acq: 24 Jan 2022 10:08

Tot Ion:
Ion Ratio
91 100
106 41.

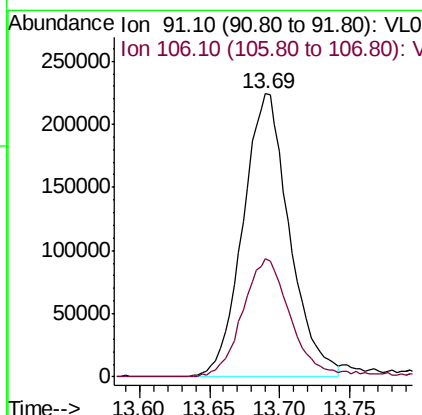
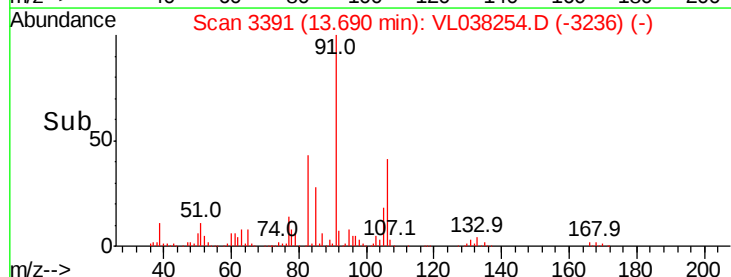
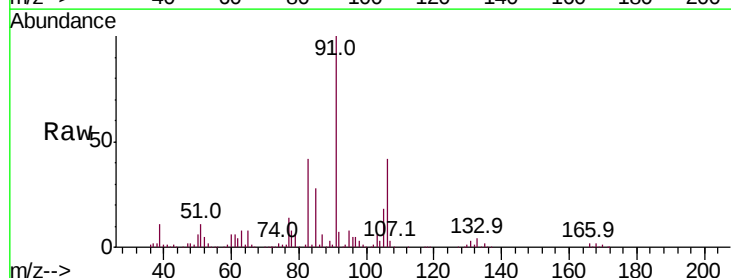
Manual Integrations
APPROVED

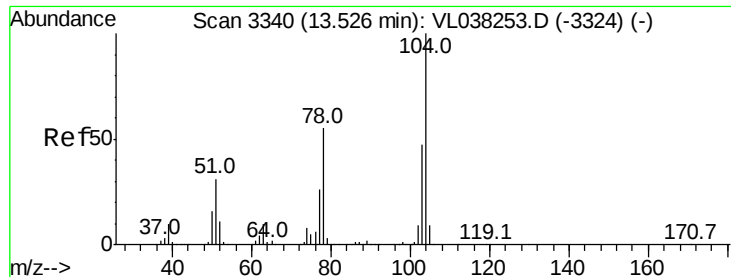
Reviewed By :Semsettin Yesilyurt 01/25/2022
Supervised By :Mahesh Dadoda 01/26/2022



#60
o-Xylene
Concen: 2.029 ppbv
RT: 13.69 min Scan# 3391
Delta R.T.: -0.00 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

Tgt Ion: 91 Resp: 512139
Ion Ratio Lower Upper
91 100
106 43.6 22.2 66.6



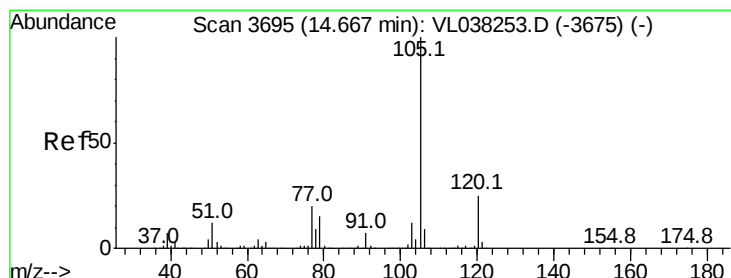
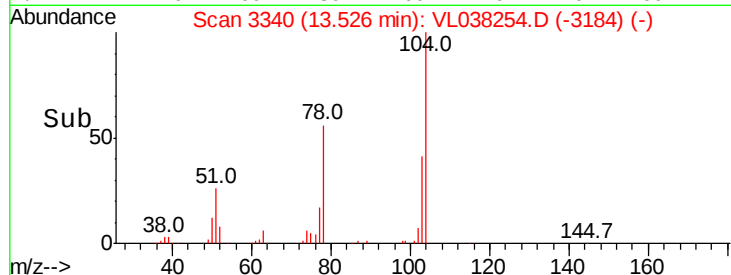
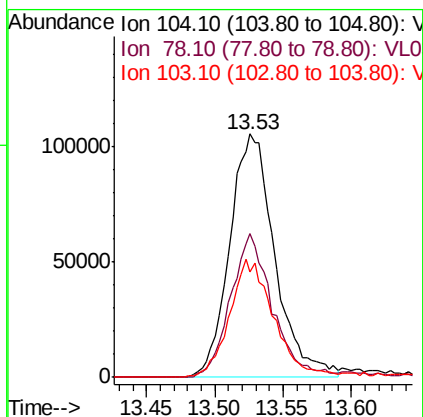
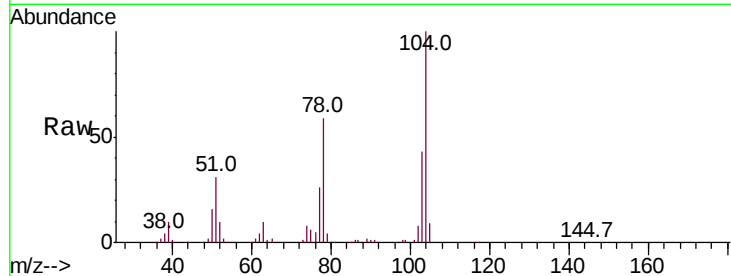


#61
Stvrene
Concen: 1.879 ppbv
RT: 13.53
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDIC002
Acq: 24 Jan 2022 10:08

Manual Integrations
APPROVED

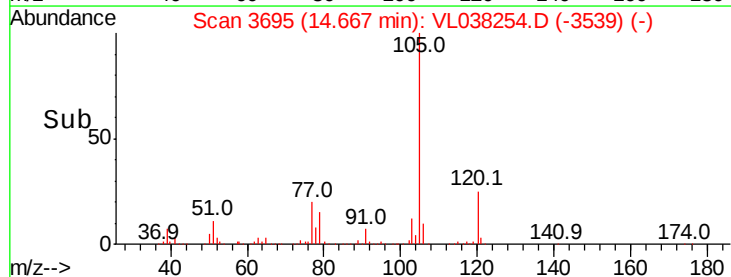
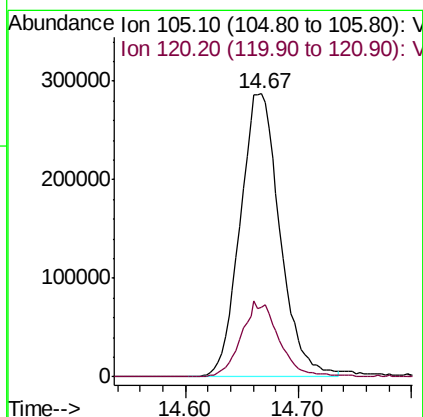
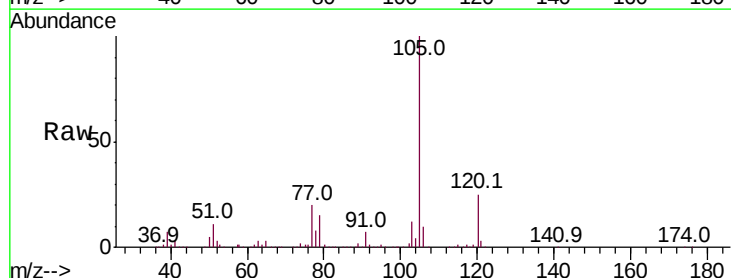
Tot Ion:1
Ion Rati
104 100
78 57.
103 47.

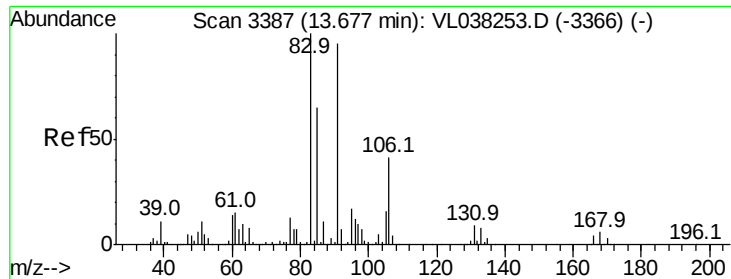
Reviewed By :Semsettin Yesilyurt 01/25/2022
Supervised By :Mahesh Dadoda 01/26/2022



#62
Isopropylbenzene
Concen: 1.987 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

Tgt Ion:105 Resp: 704253
Ion Ratio Lower Upper
105 100
120 25.1 20.5 30.7



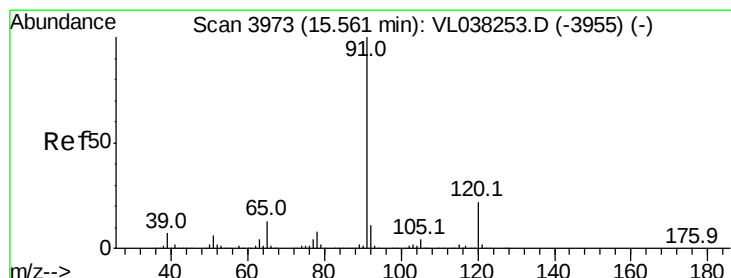
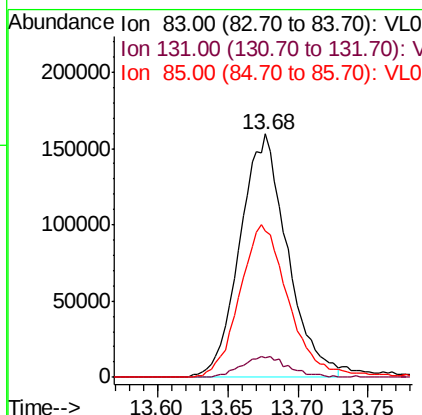
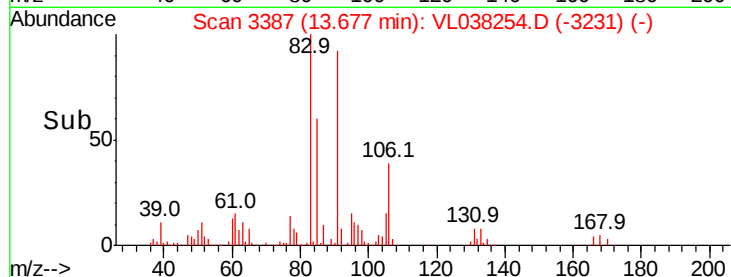
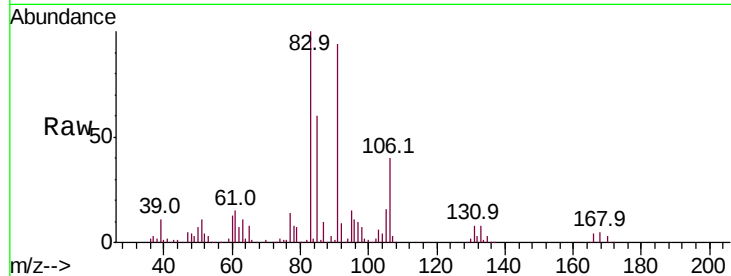


#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.923 ppbv
 RT: 13.68 min
 Delta R.T. 0.00 min
 Lab File: VSTDIC002
 Acq: 24 Jan 2022 10:08

Manual Integrations
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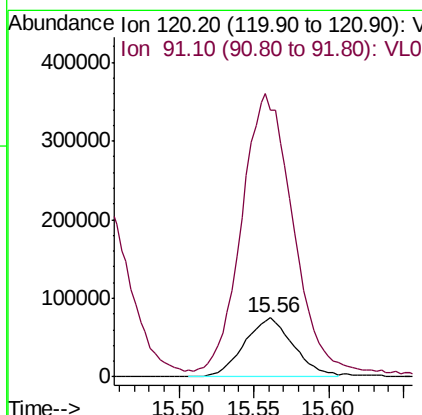
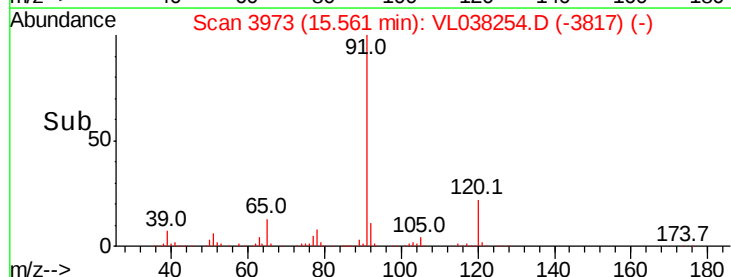
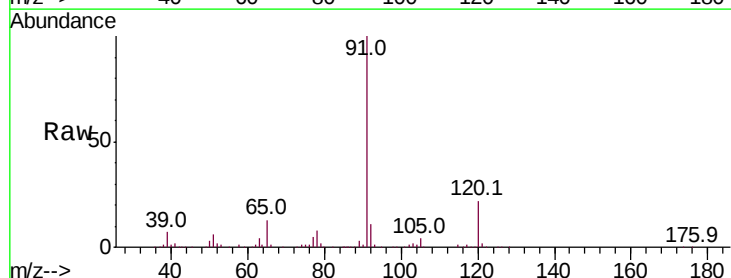
Reviewed By : Semsettin Yesilyurt 01/25/2022
 Supervised By : Mahesh Dadoda 01/26/2022

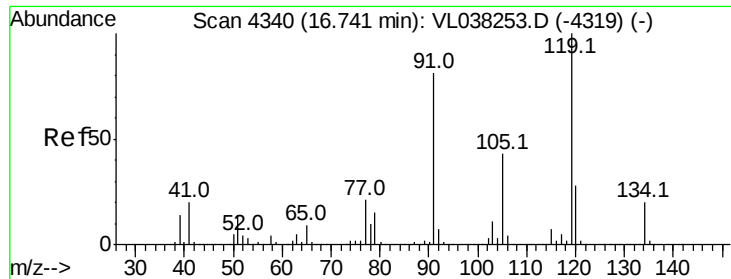
Tot Ion:
 Ion Ratio
 83 100
 131 8.
 85 65.



#64
 n-propylbenzene
 Concen: 1.941 ppbv
 RT: 15.56 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: VL038254.D
 Acq: 24 Jan 2022 10:08

Tgt Ion: 120 Resp: 171040
 Ion Ratio Lower Upper
 120 100
 91 519.4 390.8 586.2



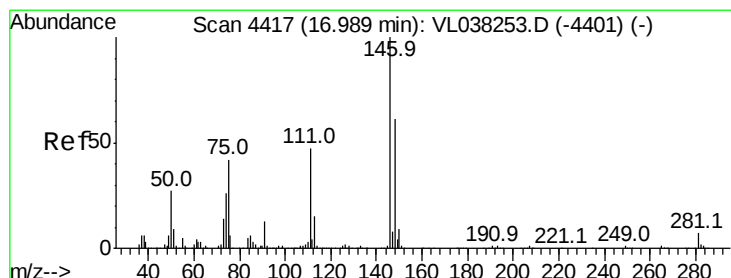
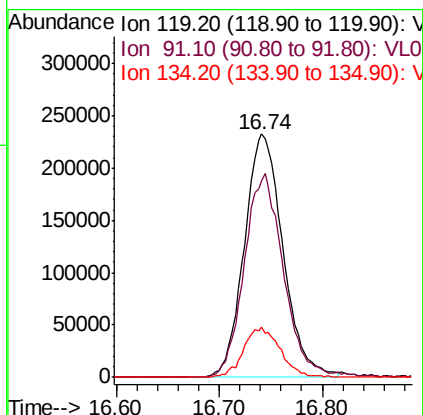
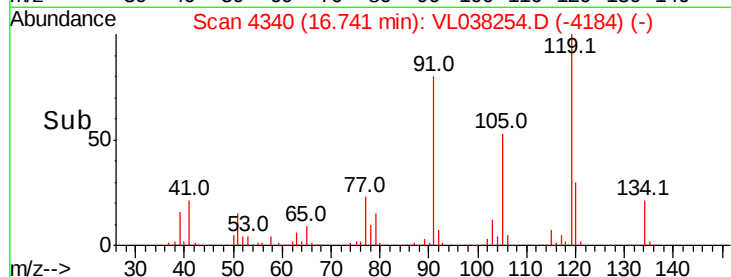
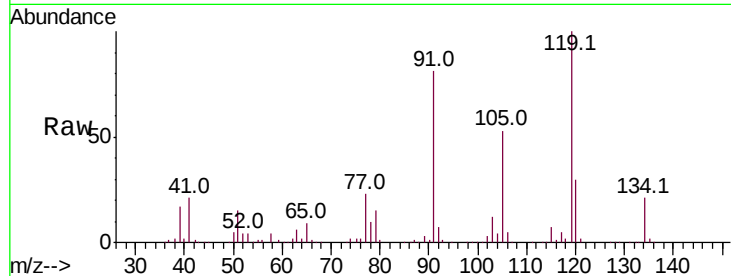


#65
tert-Butylbenzene
Concen: 1.943 ppbv
RT: 16.74 min
Instrument: MSVOA_1
Delta R.T.: 0.00 min
Lab File: ClientSampled : VSTDIC002
Acq: 24 Jan 2022 10:08

Tot Ion: 1
Ion Ratio
119 100
91 84.1
134 19.9

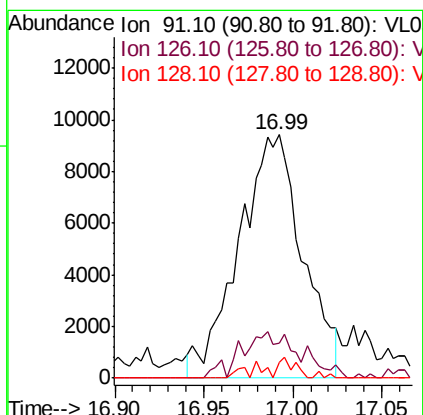
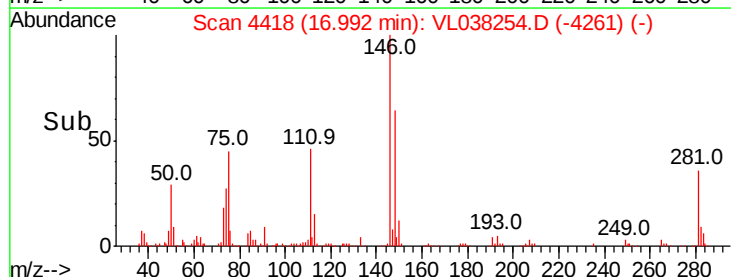
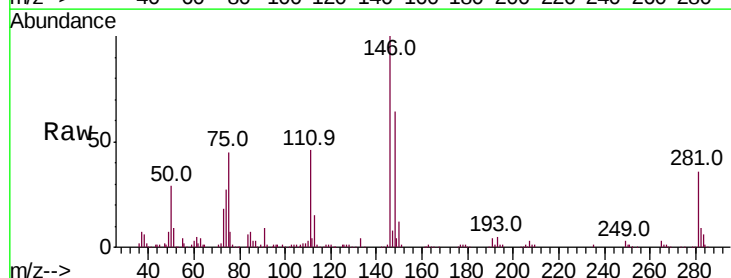
Manual Integrations
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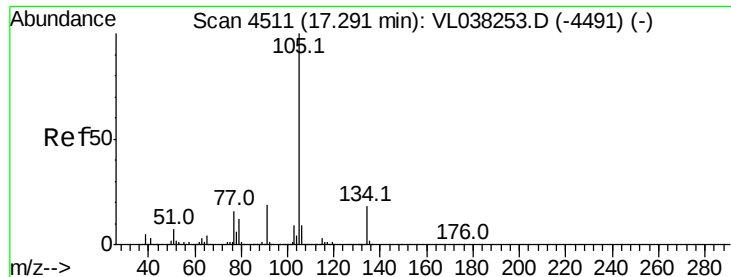
Reviewed By : Semsettin Yesilyurt 01/25/2022
Supervised By : Mahesh Dadoda 01/26/2022



#66
Benzyl Chloride
Concen: 2.017 ppbv m
RT: 16.99 min Scan# 4418
Delta R.T.: 0.00 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

Tgt Ion: 91 Resp: 23448
Ion Ratio Lower Upper
91 100
126 17.6 12.6 18.8
128 4.4 4.3 6.5





#67

sec-Butylbenzene

Concen: 1.964 ppbv

RT: 17.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Jan 2022 10:08

Tot Ion:1

Ion Ratio

105 100

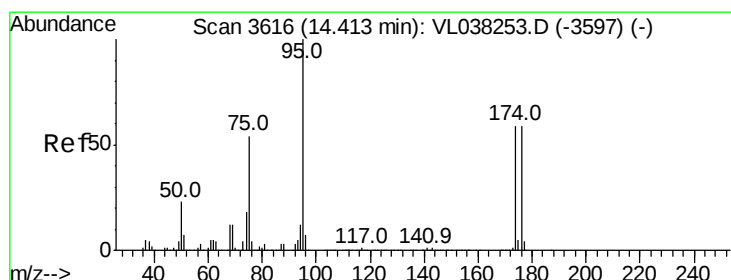
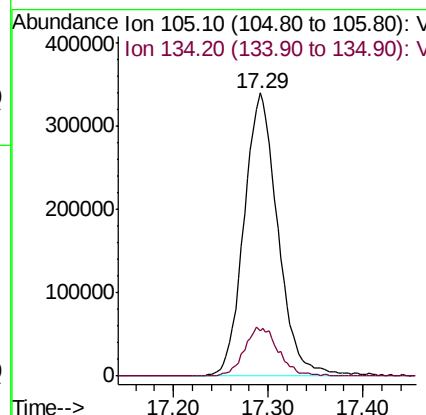
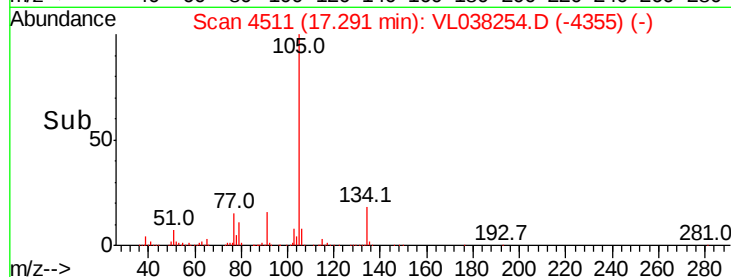
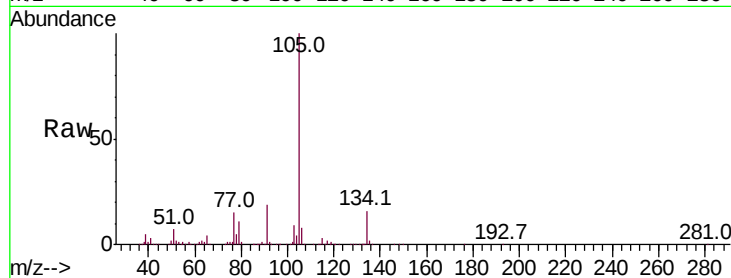
134 17.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/25/2022

Supervised By :Mahesh Dadoda 01/26/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 9.753 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

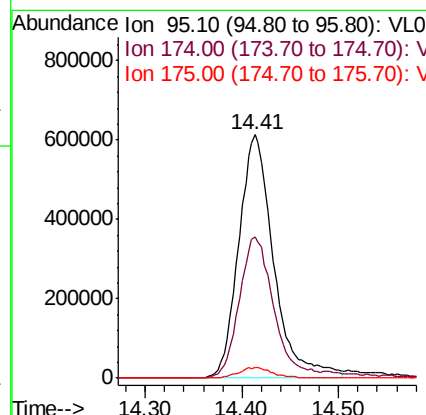
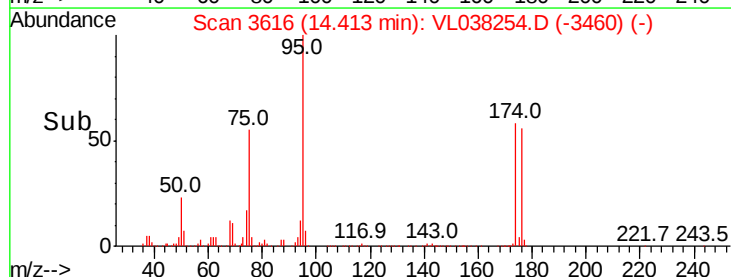
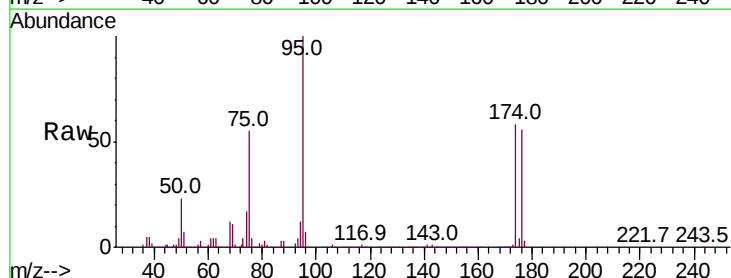
Tgt Ion: 95 Resp: 1542271

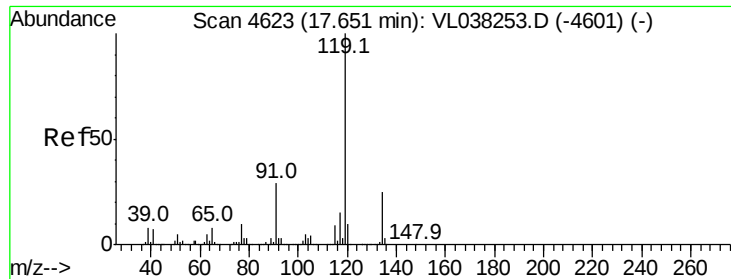
Ion Ratio Lower Upper

95 100

174 60.8 48.3 72.5

175 4.2 3.5 5.3



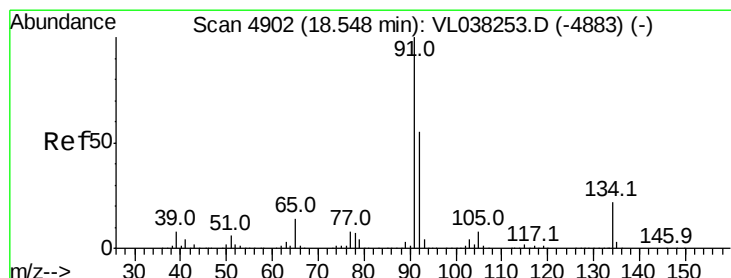
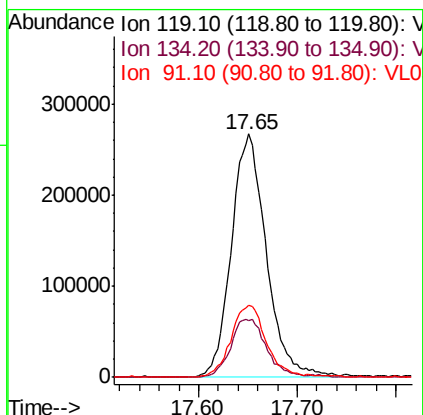
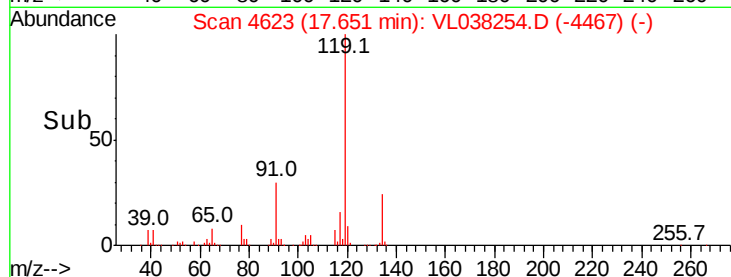
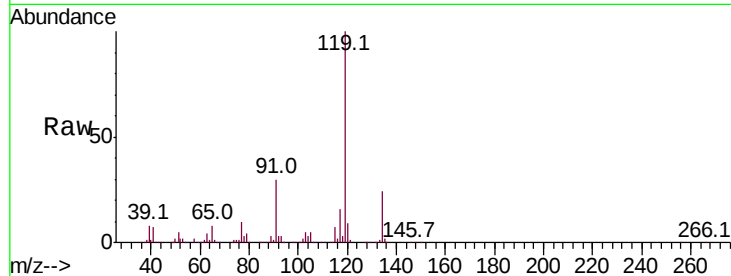


#69
 p-Isopropyltoluene
 Concen: 1.900 ppbv
 RT: 17.65 min
 Instrument: MSVOA_1
 Delta R.T.: 0.00 min
 Lab File: ClientSampleId : VSTDIC002
 Acq: 24 Jan 2022 10:08

Tot Ion: 1
 Ion Ratio
 119 100
 134 25.0
 91 30.0

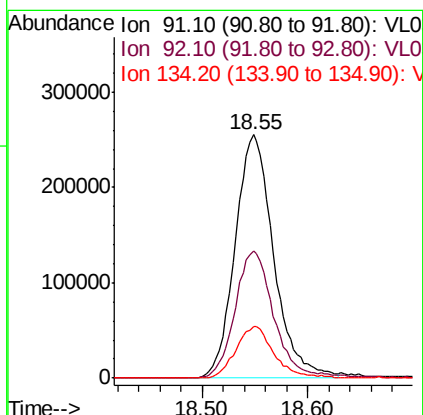
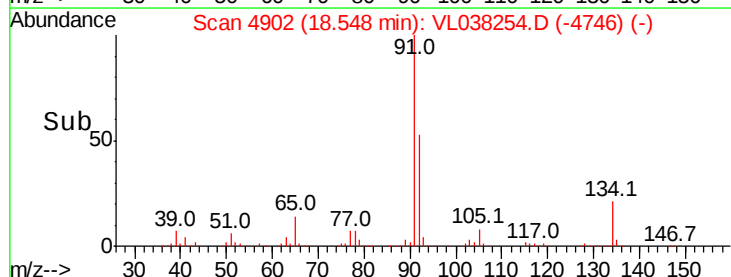
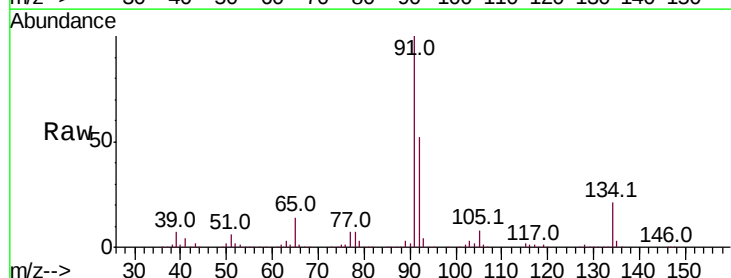
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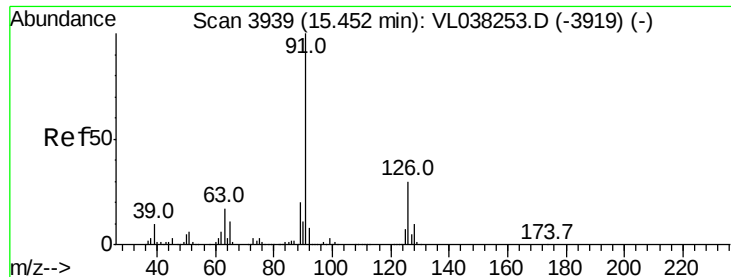
Reviewed By : Semsettin Yesilyurt 01/25/2022
 Supervised By : Mahesh Dadoda 01/26/2022



#70
 n-Butylbenzene
 Concen: 1.975 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T.: 0.00 min
 Lab File: VL038254.D
 Acq: 24 Jan 2022 10:08

Tgt Ion: 91 Resp: 647432
 Ion Ratio Lower Upper
 91 100
 92 53.4 43.4 65.0
 134 21.4 17.3 25.9





#71

2-Chlorotoluene

Concen: 1.982 ppbv

RT: 15.45

Delta R.T. MSVOA_L

Lab File:

Acq: 24 Jan 2022 10:08

ClientSampleId :

VSTDIC002

Tot Ion:

Ion Ratio

91 100

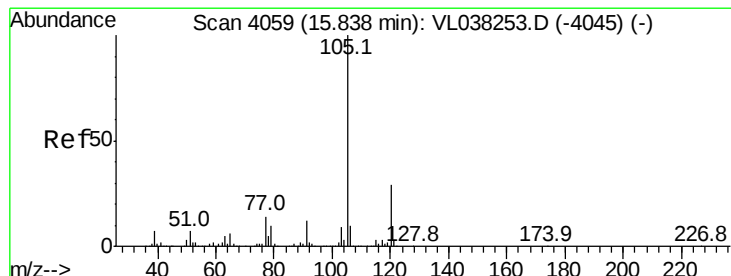
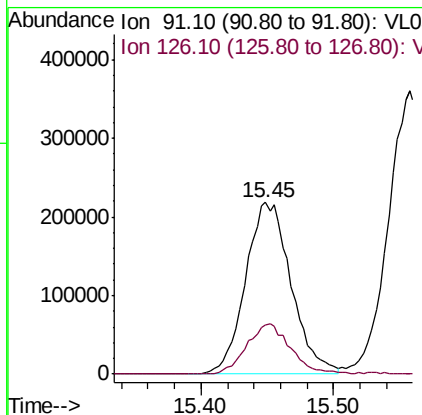
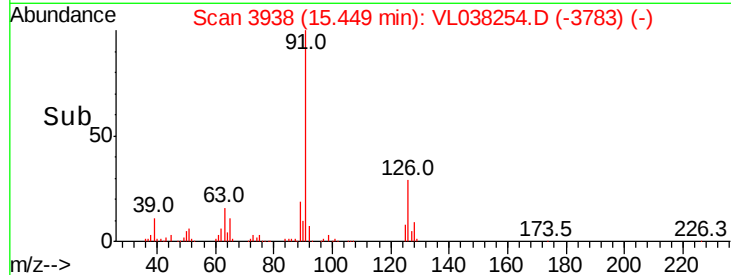
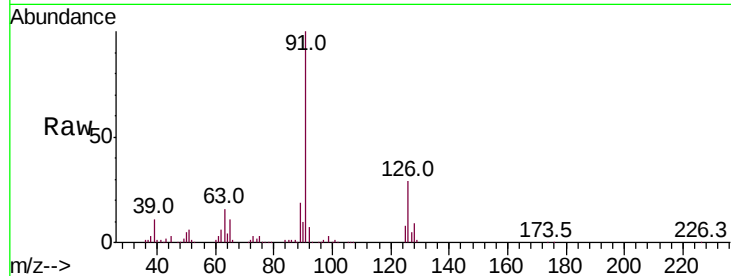
126 28.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/25/2022

Supervised By :Mahesh Dadoda 01/26/2022



#72

4-Ethyltoluene

Concen: 1.931 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. 0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

Tgt Ion:105 Resp: 561210

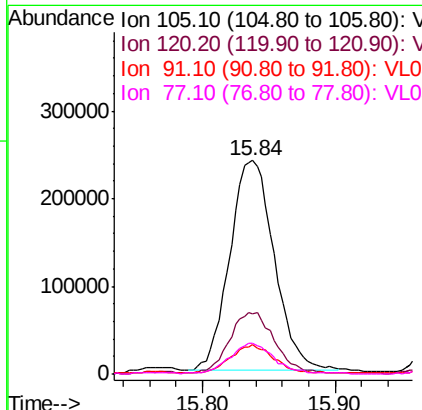
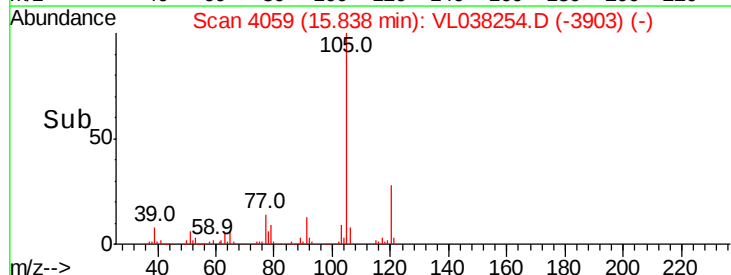
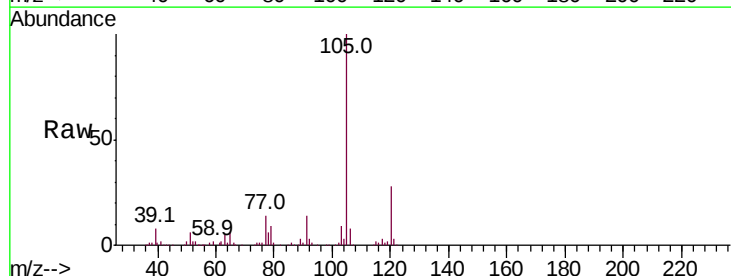
Ion Ratio Lower Upper

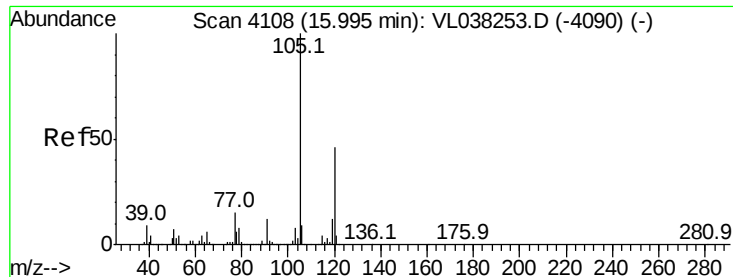
105 100

120 30.5 23.8 35.8

91 13.1 10.2 15.4

77 14.8 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 1.932 ppbv

RT: 15.99 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Jan 2022 10:08

Tot Ion:1

Ion Ratio

105 100

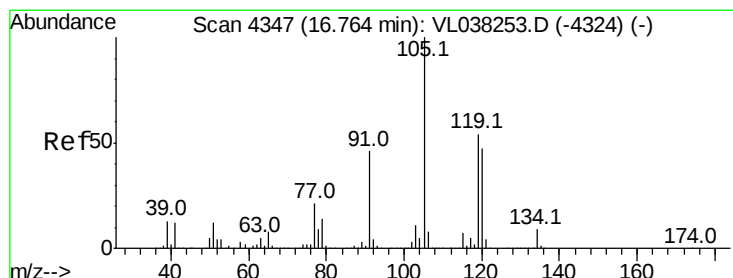
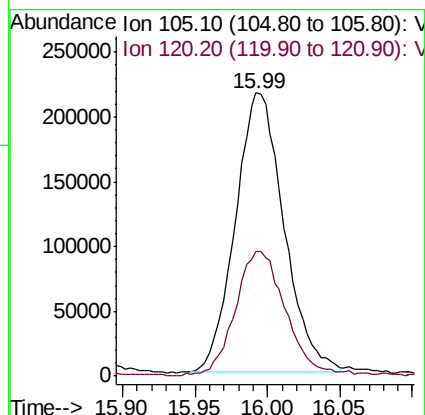
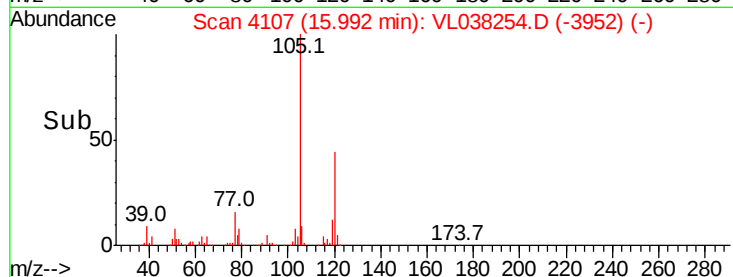
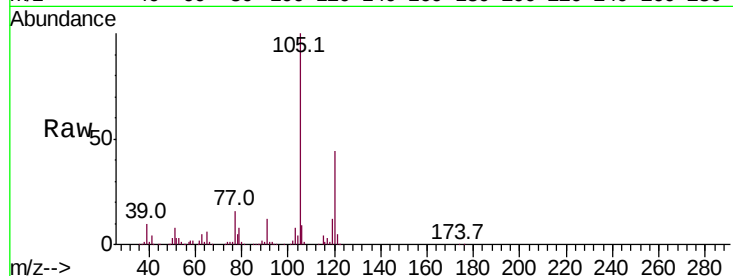
120 44.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/25/2022

Supervised By :Mahesh Dadoda 01/26/2022



#74

1,2,4-Trimethylbenzene

Concen: 1.985 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. -0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

Tgt Ion:105 Resp: 542385

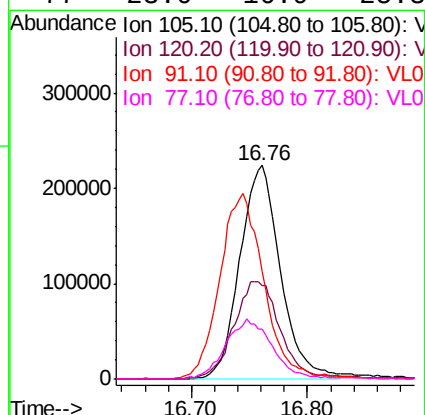
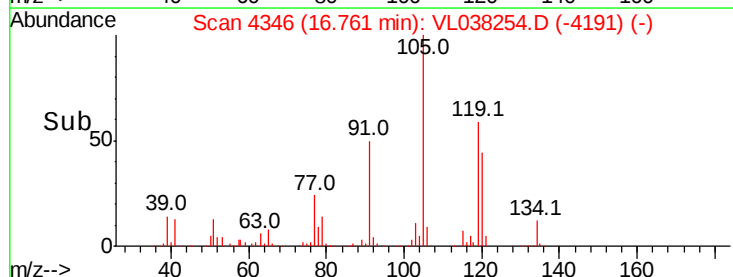
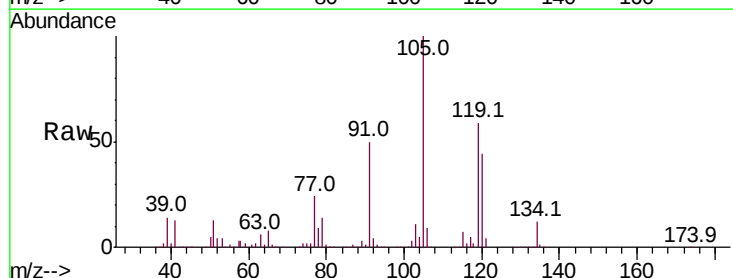
Ion Ratio Lower Upper

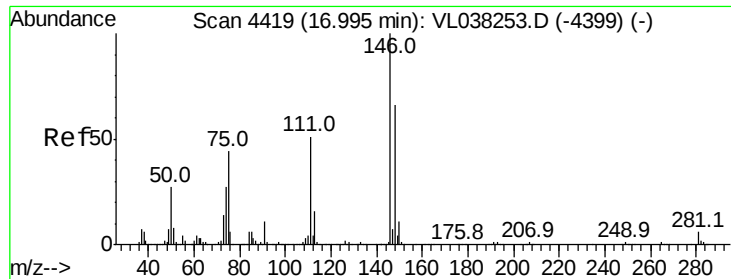
105 100

120 43.3 37.2 55.8

91 49.1 36.6 55.0

77 23.0 16.9 25.3





#75

1,3-Dichlorobenzene

Concen: 1.920 ppbv

RT: 17.00

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC002

Acq: 24 Jan 2022 10:08

Tot Ion:1

Ion Rati

146 100

111 48.

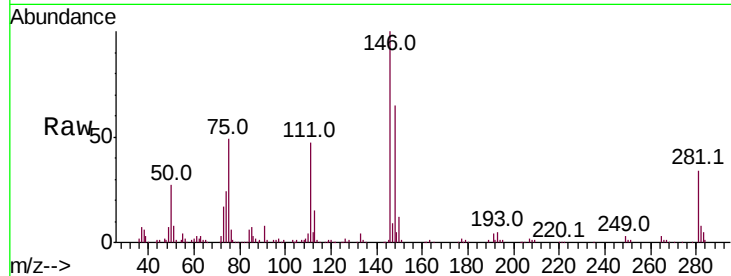
148 64.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/25/2022

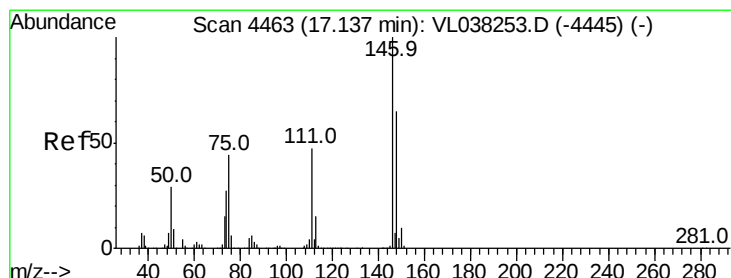
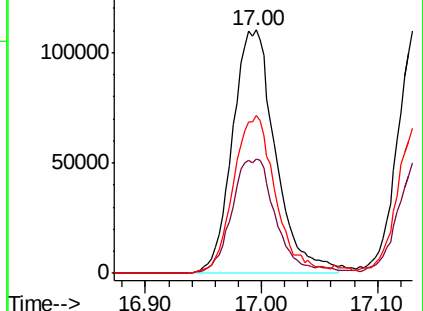
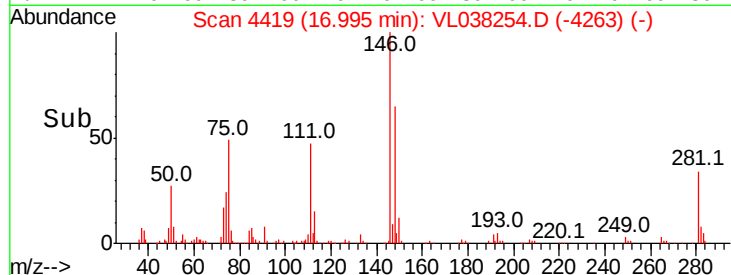
Supervised By :Mahesh Dadoda 01/26/2022



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 1.818 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. 0.00 min

Lab File: VL038254.D

Acq: 24 Jan 2022 10:08

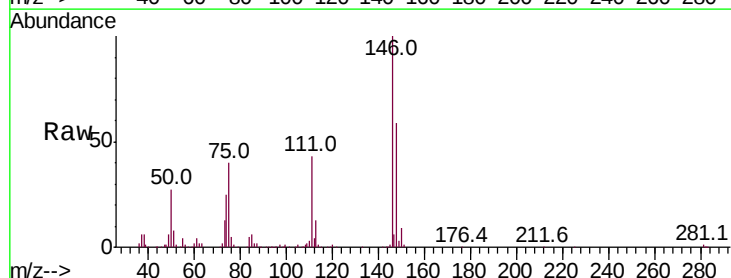
Tgt Ion:146 Resp: 266222

Ion Ratio Lower Upper

146 100

111 50.4 23.2 69.6

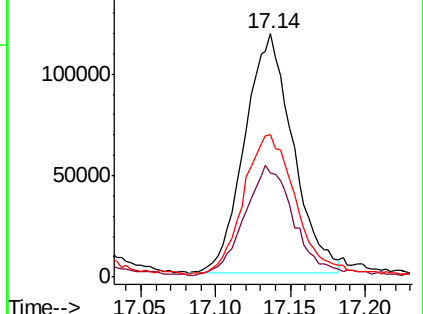
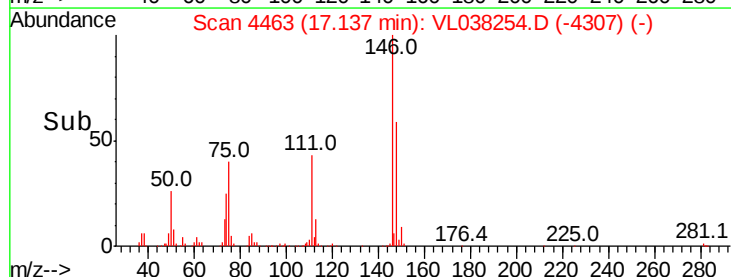
148 66.8 32.4 97.0

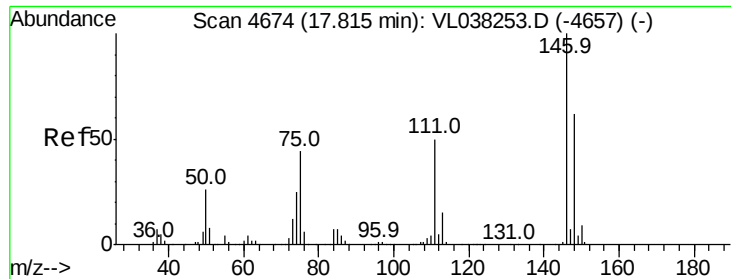


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



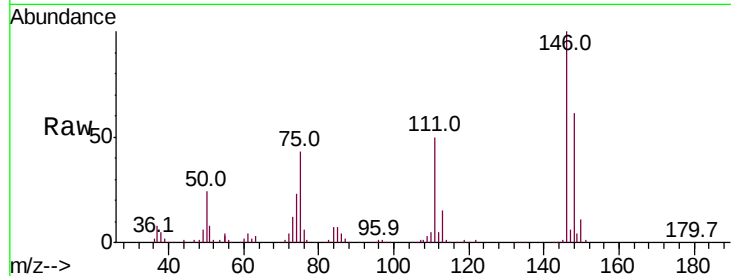


#77
 1,2-Dichlorobenzene
 Concen: 1.875 ppbv
 RT: 17.82
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 24 Jan 2022 10:08

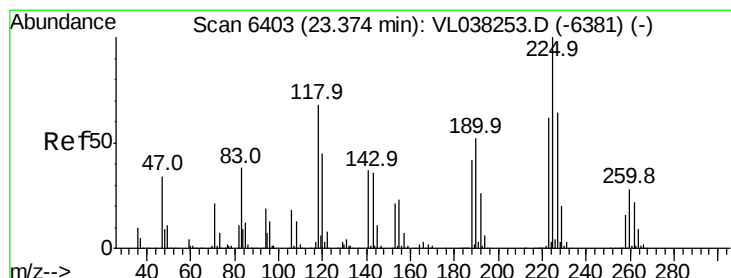
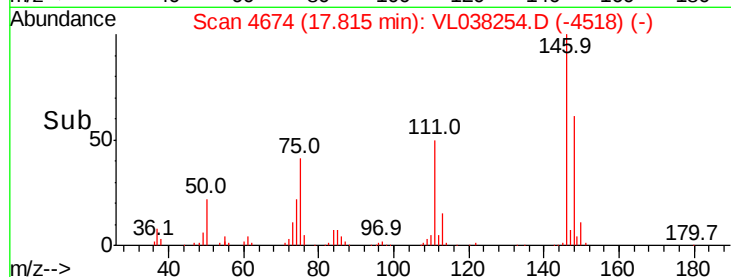
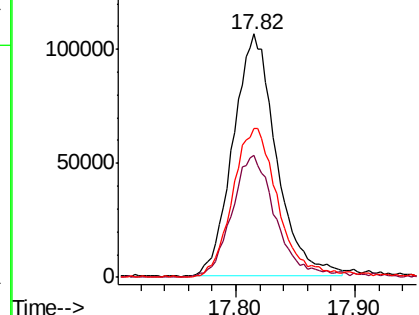
Tot Ion:1
 Ion Rati
 146 100
 111 52.
 148 66.

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 01/25/2022
 Supervised By :Mahesh Dadoda 01/26/2022

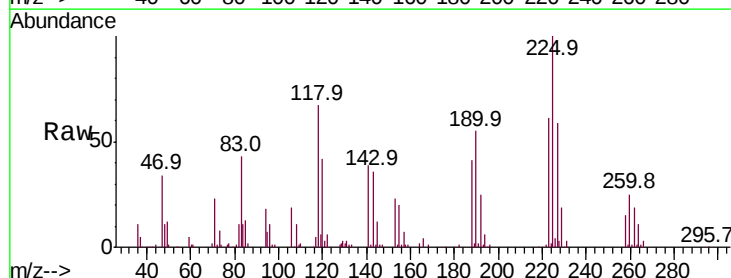


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

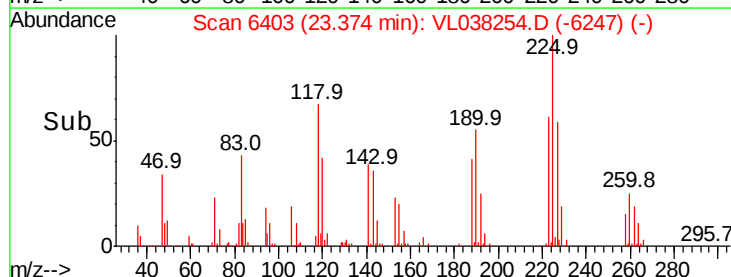
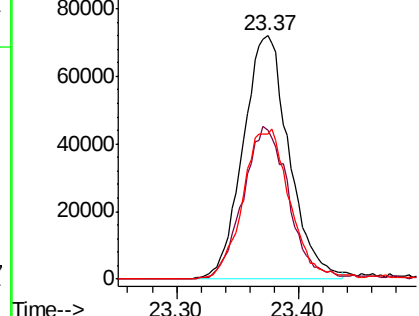


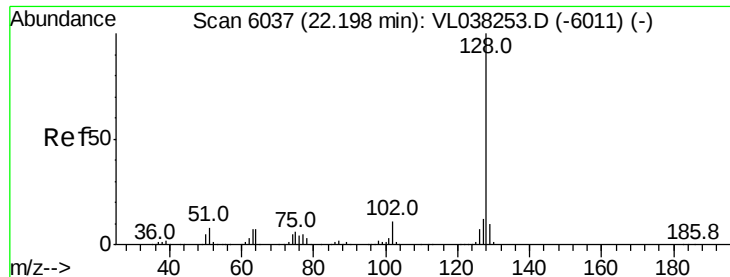
#78
 Hexachloro-1,3-Butadiene
 Concen: 2.153 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. 0.00 min
 Lab File: VL038254.D
 Acq: 24 Jan 2022 10:08

Tgt Ion:225 Resp: 187725
 Ion Ratio Lower Upper
 225 100
 223 63.6 51.7 77.5
 227 64.0 51.4 77.0



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V



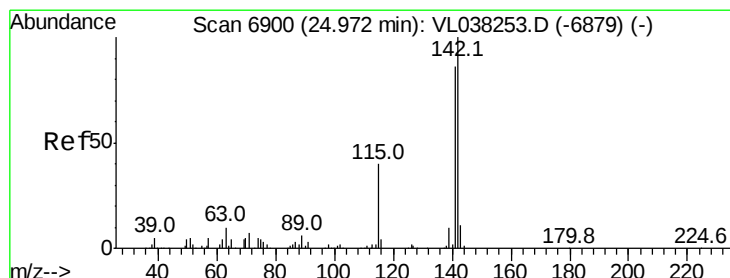
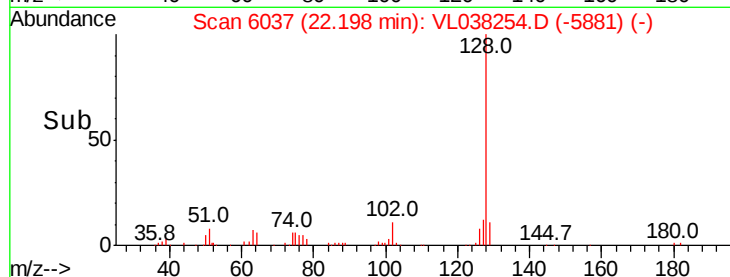
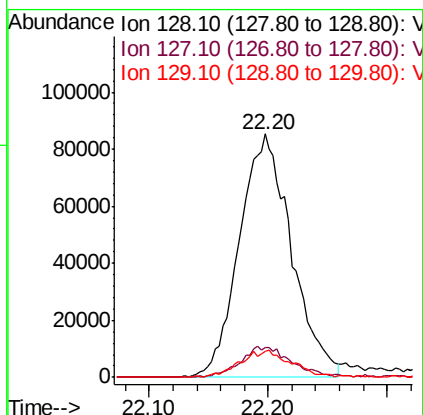
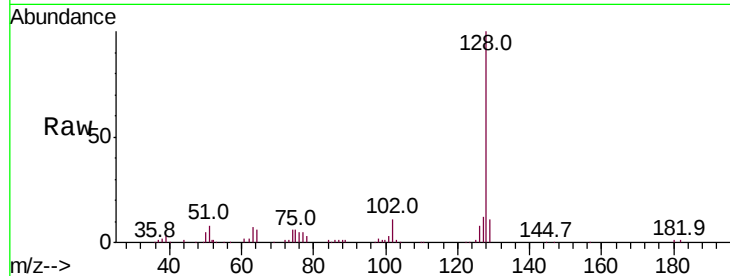


#79
Naphthalene
Concen: 1.818 ppbv
RT: 22.20 min
Instrument: MSVOA_1
Delta R.T.: 0.01 min
Lab File: ClientSampleId : VSTDIC002
Acq: 24 Jan 2022 10:08

Tot Ion: 1
Ion Ratio
128 100
127 12.
129 10.

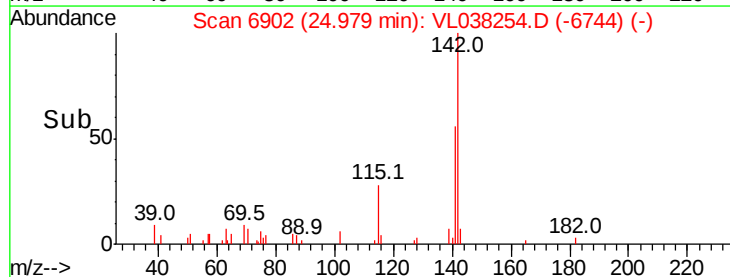
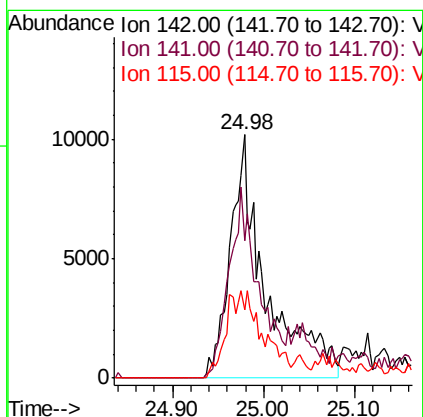
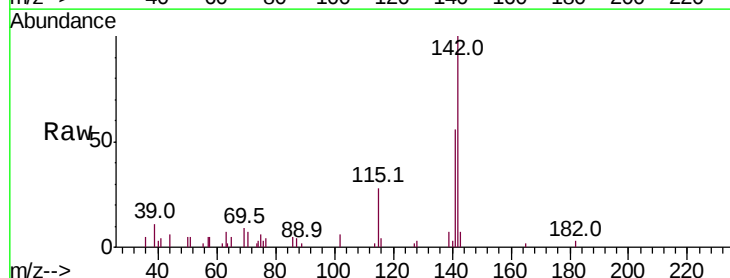
Manual Integrations
APPROVED

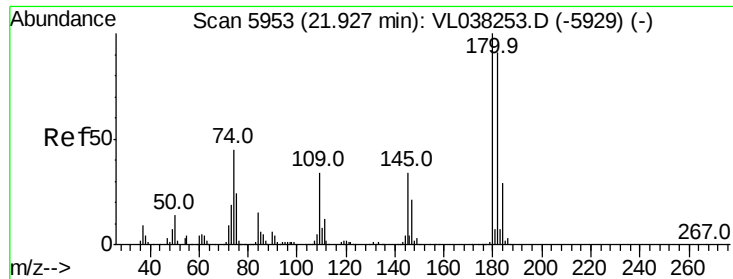
Reviewed By : Semsettin Yesilyurt 01/25/2022
Supervised By : Mahesh Dadoda 01/26/2022



#80
Naphthalene, 2-methyl-
Concen: 0.982 ppbv
RT: 24.98 min Scan# 6902
Delta R.T.: 0.01 min
Lab File: VL038254.D
Acq: 24 Jan 2022 10:08

Tgt Ion: 142 Resp: 27497
Ion Ratio Lower Upper
142 100
141 65.4 70.2 105.4#
115 40.2 31.8 47.6





#81
 1,2,4-Trichlorobenzene
 Concen: 1.935 ppbv m
 RT: 21.92
 Delta R.T
 Lab File: VSTDIC002
 Acq: 24 Jan 2022 10:08

Tot Ion:1
 Ion Rati
 180 100
 182 94.
 184 0.

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/25/2022
 Supervised By :Mahesh Dadoda 01/26/2022

