

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036472.D
 Acq On : 25 Mar 2021 3:20
 Operator : SY/AP
 Sample : VSTDICC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/26/2021
 Supervised By : Mahesh Dadoda 03/29/2021

Quant Time: Mar 25 09:34:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Mar 25 07:52:30 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1655296m	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3789327	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3477525	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2693812	9.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.30%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	297232	1.243	ppbv	92
3) Chlorodifluoromethane	2.99	51	330004	1.528	ppbv	97
4) Chloromethane	3.14	50	112162	1.174	ppbv	90
5) Vinyl Chloride	3.26	62	105260	1.164	ppbv	96
6) Bromomethane	3.47	94	61895	1.104	ppbv	87
7) Chloroethane	3.56	64	41377m	1.225	ppbv	
8) Dichlorotetrafluoroethane	3.19	85	279640	1.208	ppbv	97
9) Propene	3.01	41	97682	1.111	ppbv	91
10) Heptane	8.12	43	256733	1.181	ppbv	98
11) Trichlorofluoromethane	3.95	101	288415	1.187	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	184933	1.186	ppbv	98
13) Ethanol	3.62	45	10957m	0.869	ppbv	
14) Bromoethene	3.74	108	76760m	1.188	ppbv	
15) Acetone	3.86	43	161992	0.877	ppbv #	74
16) 1,3-Butadiene	3.33	39	116980m	1.222	ppbv	
17) tert-Butyl alcohol	4.30	59	160760	1.087	ppbv	94
18) 1,1-Dichloroethene	4.29	96	82778m	1.188	ppbv	
19) Isopropyl Alcohol	3.98	45	100758m	0.977	ppbv	
20) Methylene Chloride	4.35	84	81154	1.222	ppbv	94
21) Allyl Chloride	4.41	41	125741	1.129	ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	70520	1.110	ppbv	82
23) Vinyl Acetate	5.08	43	289059m	1.286	ppbv	
24) 1,1-Dichloroethane	5.01	63	209250	1.194	ppbv	97
25) Ethyl Acetate	5.69	43	413909	1.119	ppbv #	97
26) Hexane	5.69	57	188251	1.205	ppbv	94
27) Carbon Disulfide	4.55	76	154821	1.006	ppbv #	90
28) Methyl tert-Butyl Ether	5.04	73	218202	1.068	ppbv	100
29) Chloroform	5.75	83	293749	1.159	ppbv	97
30) Cyclohexane	7.14	84	149259m	1.155	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	173033m	1.144	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	286250	1.128	ppbv	97
34) 2-Butanone	5.25	43	163792	0.740	ppbv #	84
35) Carbon Tetrachloride	7.01	117	295400	1.185	ppbv	92
36) Benzene	6.89	78	378473	1.254	ppbv	96
37) 1,2-Dichloroethane	6.31	62	225480	1.196	ppbv	100
38) Trichloroethene	7.84	130	137520	1.214	ppbv	98
39) 1,2-Dichloropropane	7.61	63	163195m	1.267	ppbv	
40) 1,4-Dioxane	7.87	88	40793m	1.036	ppbv	
41) Tetrahydrofuran	6.07	42	87902m	0.749	ppbv	
42) Bromodichloromethane	7.79	83	299308	1.174	ppbv	93
43) Methyl Methacrylate	8.02	69	119743	1.014	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036472.D
 Acq On : 25 Mar 2021 3:20
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDIC001

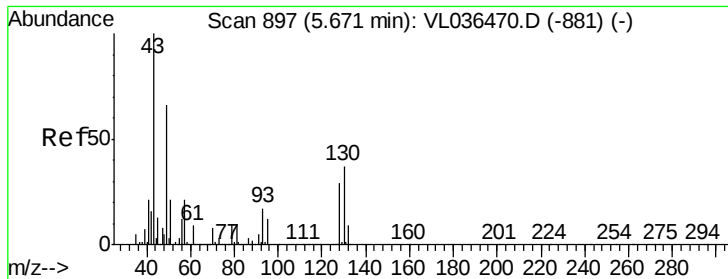
Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021
 Supervised By :Mahesh Dadoda 03/29/2021

Quant Time: Mar 25 09:34:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Mar 25 07:52:30 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	691857	1.265	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	129668m	1.099	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	165783m	1.076	ppbv	
47) 1,1,2-Trichloroethane	9.48	97	150283	1.179	ppbv	89
48) Dibromochloromethane	10.30	129	224702	1.161	ppbv	100
49) Bromoform	13.04	173	173482	1.099	ppbv	97
50) 4-Methyl-2-Pentanone	8.76	43	263886	0.828	ppbv	100
51) 2-Hexanone	10.15	43	118252	0.522	ppbv #	99
52) Tetrachloroethene	11.23	164	134645m	1.197	ppbv	
53) Toluene	9.81	91	394707	1.213	ppbv	100
54) 1,2-Dibromoethane	10.61	107	218861m	1.194	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.13	131	166299	1.070	ppbv #	70
57) Chlorobenzene	12.15	112	327284	1.265	ppbv	97
58) Ethyl Benzene	12.71	91	543929	1.219	ppbv	91
59) m/p-Xylene	13.00	91	969139m	2.471	ppbv	
60) o-Xylene	13.70	91	478538	1.271	ppbv	96
61) Styrene	13.54	104	204936	0.925	ppbv	95
62) Isopropylbenzene	14.67	105	634485	1.138	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	344426m	1.182	ppbv	
64) n-propylbenzene	15.57	120	151037m	1.088	ppbv	
65) tert-Butylbenzene	16.75	119	551949	1.138	ppbv	93
66) Benzyl Chloride	16.99	91	49862m	0.440	ppbv	
67) sec-Butylbenzene	17.30	105	792379	1.172	ppbv	96
69) p-Isopropyltoluene	17.66	119	597953	1.105	ppbv	99
70) n-Butylbenzene	18.55	91	611295	1.094	ppbv	97
71) 2-Chlorotoluene	15.46	91	467964	1.120	ppbv	98
72) 4-Ethyltoluene	15.85	105	500996m	1.222	ppbv	
73) 1,3,5-Trimethylbenzene	16.00	105	454423	1.150	ppbv	91
74) 1,2,4-Trimethylbenzene	16.76	105	533146m	1.272	ppbv	
75) 1,3-Dichlorobenzene	17.00	146	293827m	1.252	ppbv	
76) 1,4-Dichlorobenzene	17.14	146	288999m	1.234	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	254367	1.115	ppbv	95
78) Hexachloro-1,3-Butadiene	23.39	225	254548m	1.374	ppbv	
79) Naphthalene	22.22	128	237837m	0.953	ppbv	
80) Naphthalene,2-methyl-	25.00	142	26525m	0.499	ppbv	
81) 1,2,4-Trichlorobenzene	21.94	180	170415m	1.168	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv m

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 3:20 VSTDIC001

Tot Ion:

Ion Ratio

49 100

128 43.

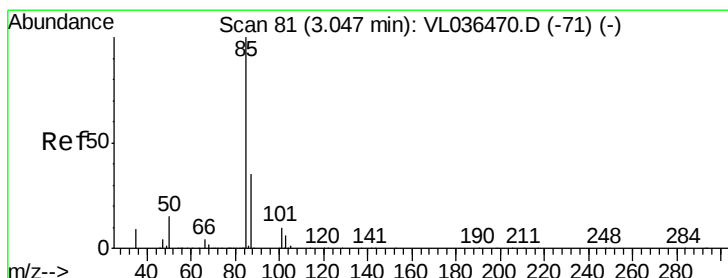
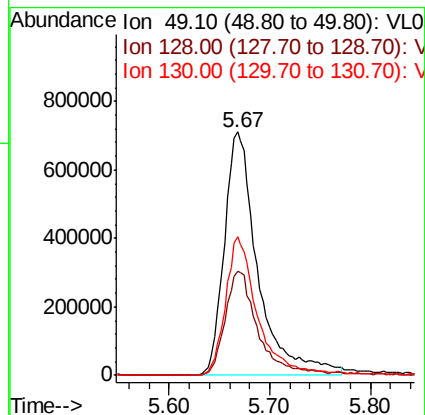
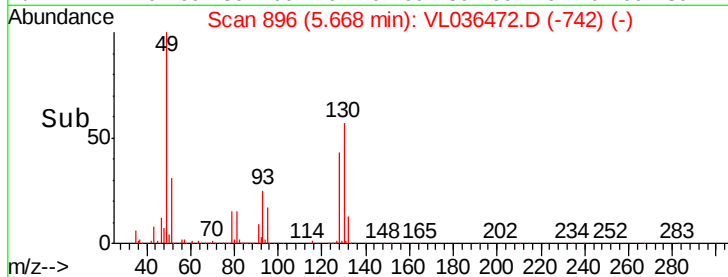
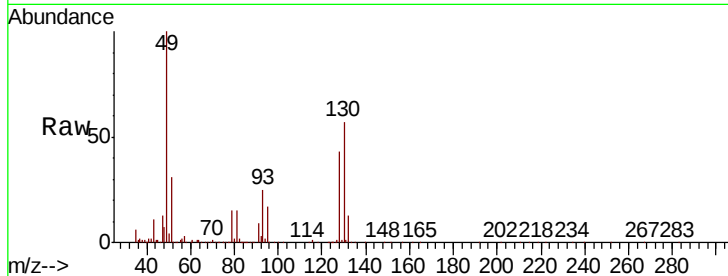
130 55.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



#2

Dichlorodifluoromethane

Concen: 1.243 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL036472.D

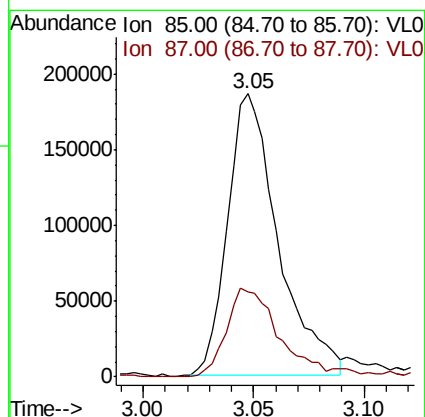
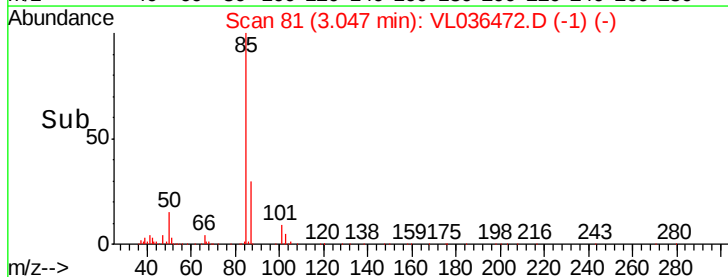
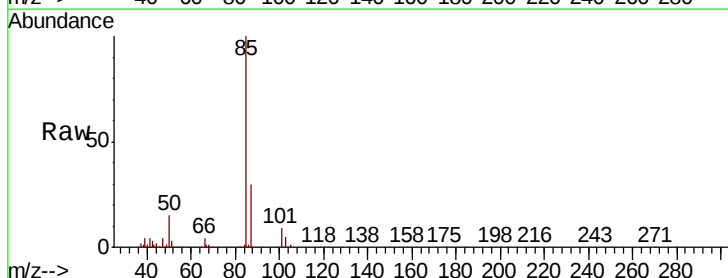
Acq: 25 Mar 2021 3:20

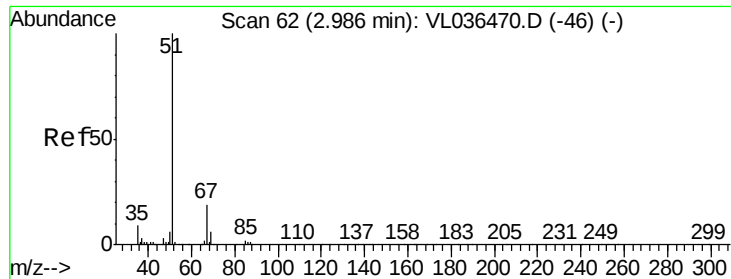
Tgt Ion: 85 Resp: 297232

Ion Ratio Lower Upper

85 100

87 30.1 27.8 41.8





#3

Chlorodifluoromethane

Concen: 1.528 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC001

Acq: 25 Mar 2021 3:20

Tot Ion:

Ion Ratio

51 100

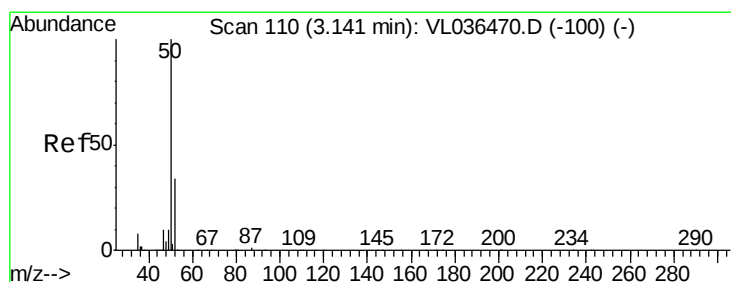
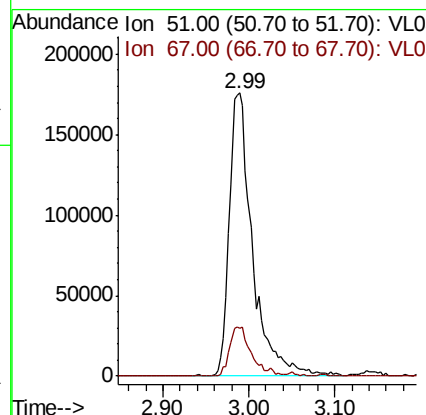
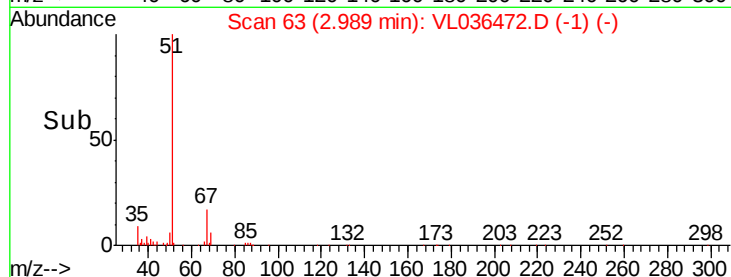
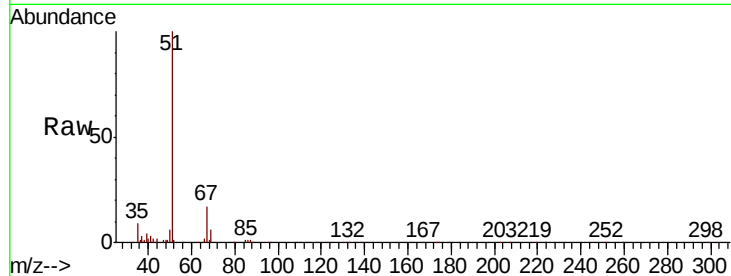
67 17.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



#4

Chloromethane

Concen: 1.174 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL036472.D

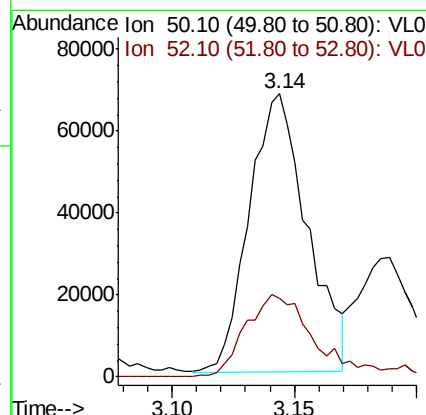
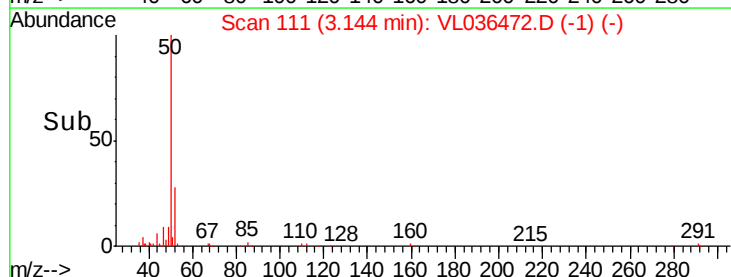
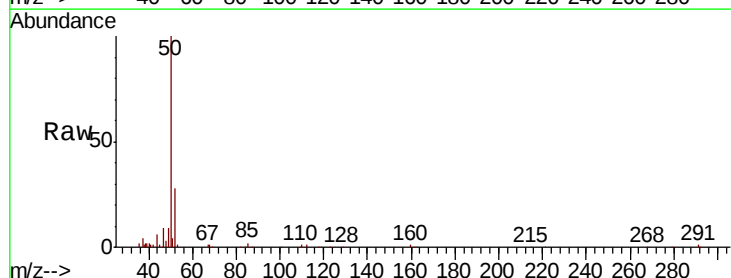
Acq: 25 Mar 2021 3:20

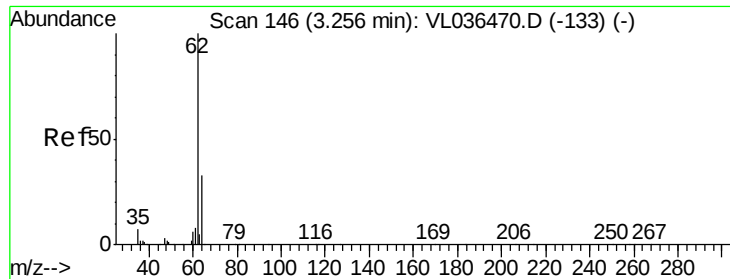
Tgt Ion: 50 Resp: 112162

Ion Ratio Lower Upper

50 100

52 28.1 27.0 40.6





#5

Vinyl Chloride

Concen: 1.164 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 25 Mar 2021 3:20 VSTDIC001

Tot Ion:

Ion Ratio

62 100

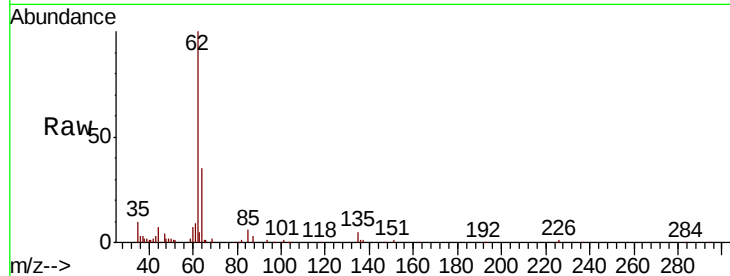
64 35.

Manual Integrations

APPROVED

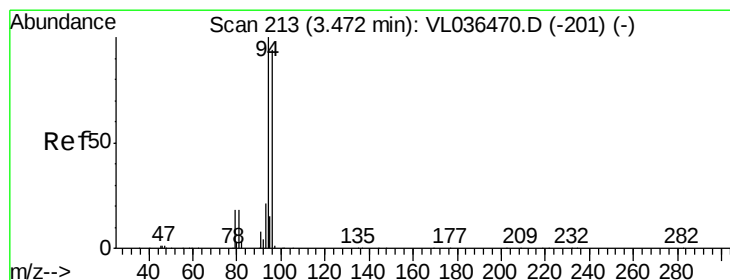
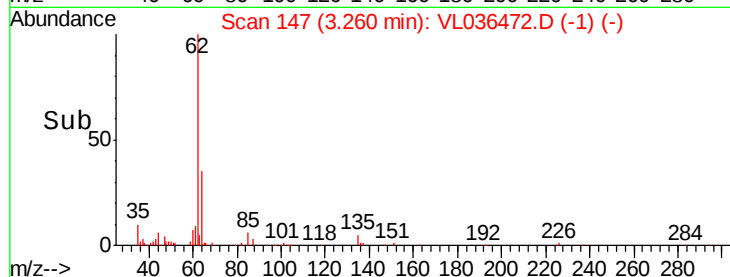
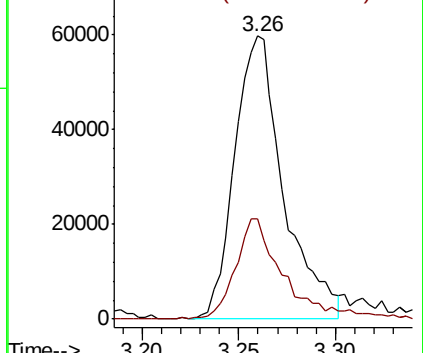
Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.104 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL036472.D

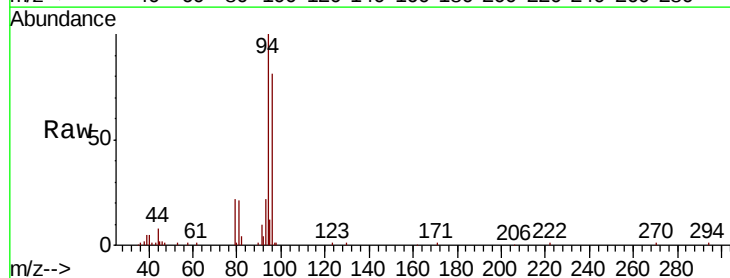
Acq: 25 Mar 2021 3:20

Tgt Ion: 94 Resp: 61895

Ion Ratio Lower Upper

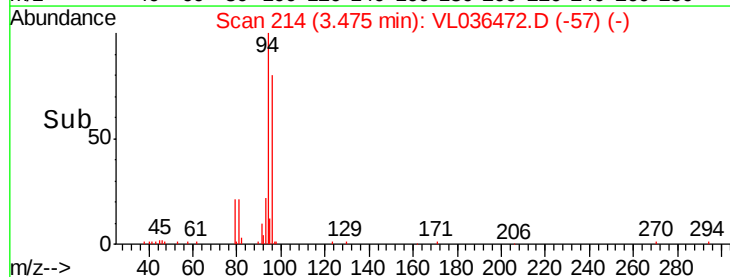
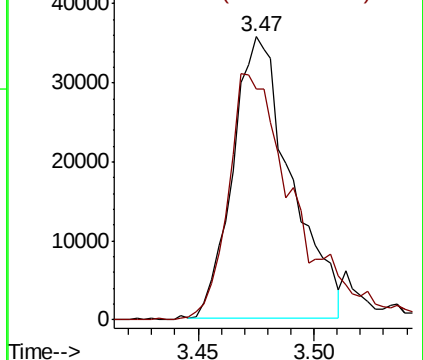
94 100

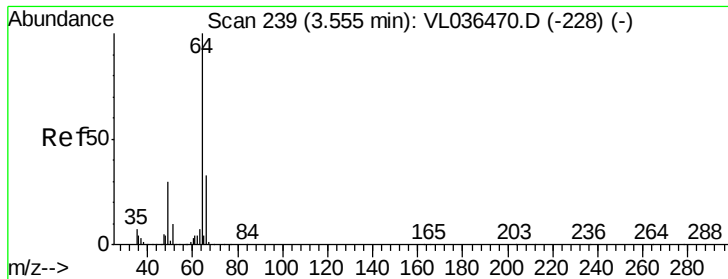
96 81.2 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.225 ppbv m

RT: 3.56 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 3:20 VSTDIC001

Tot Ion:

Ion Ratio

64 100

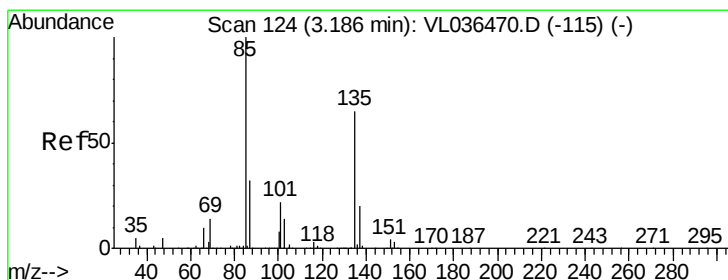
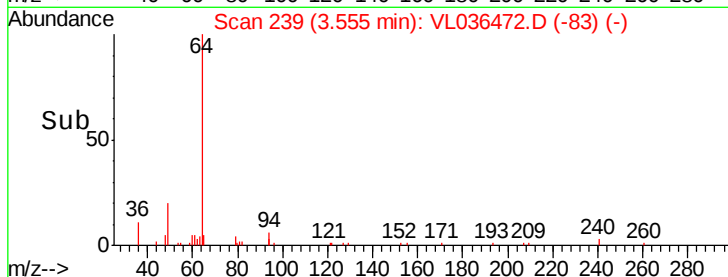
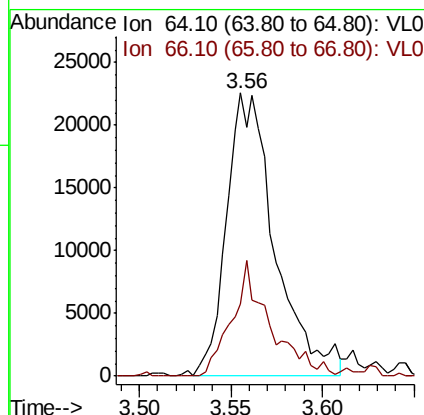
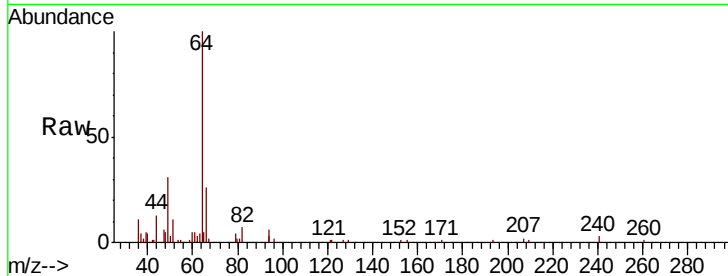
66 25.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



#8

Dichlorotetrafluoroethane

Concen: 1.208 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL036472.D

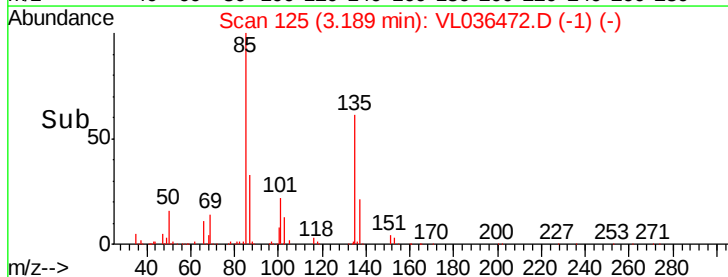
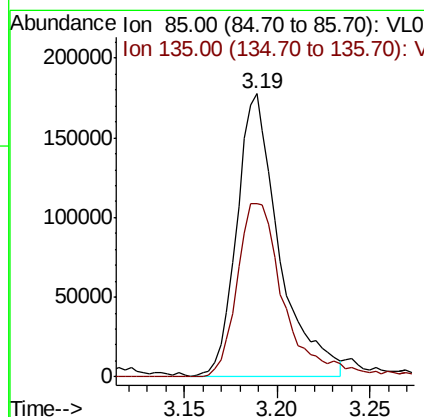
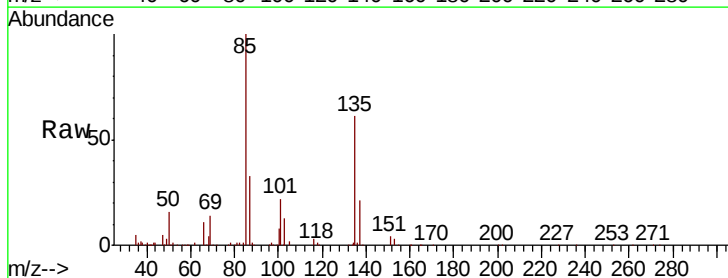
Acq: 25 Mar 2021 3:20

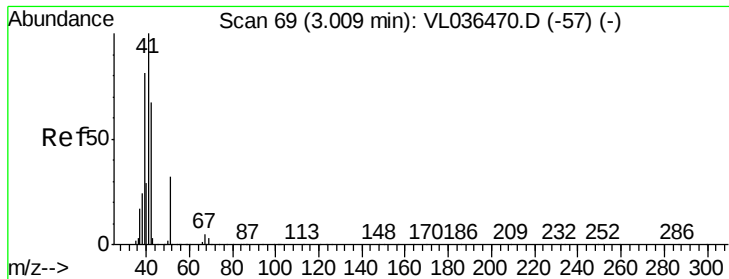
Tgt Ion: 85 Resp: 279640

Ion Ratio Lower Upper

85 100

135 70.3 54.3 81.5





#9

Propene

Concen: 1.111 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 3:20 VSTDIC001

Tot Ion:

Ion Ratio

41 100

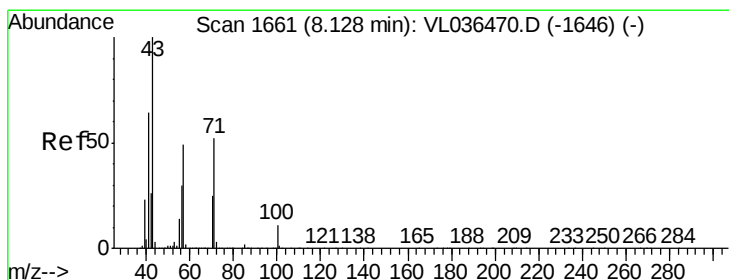
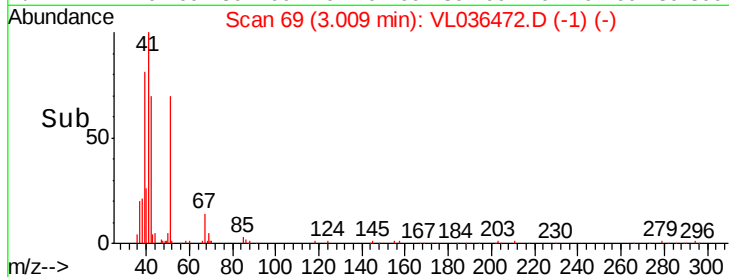
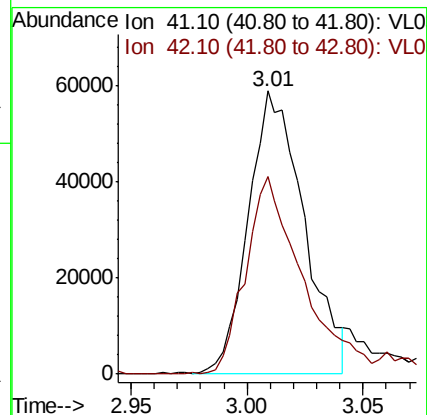
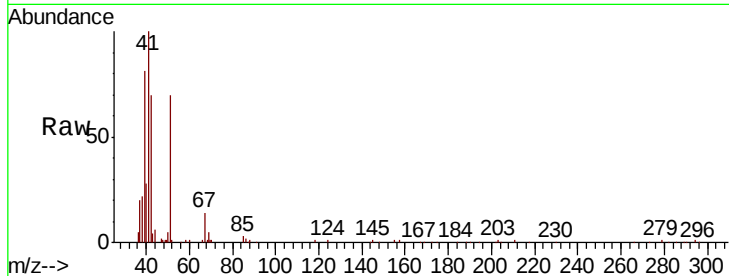
42 78.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



#10

Heptane

Concen: 1.181 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL036472.D

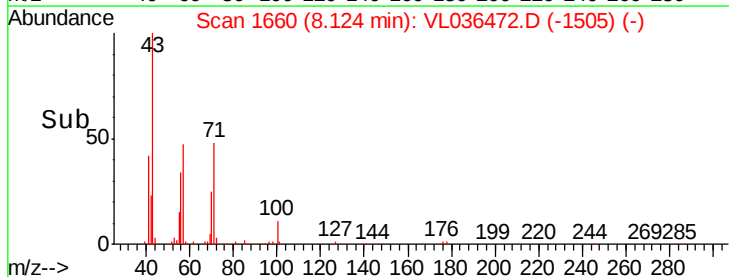
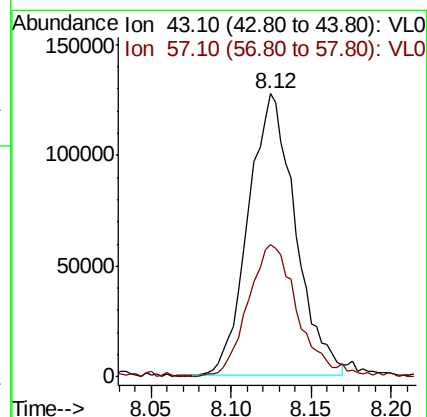
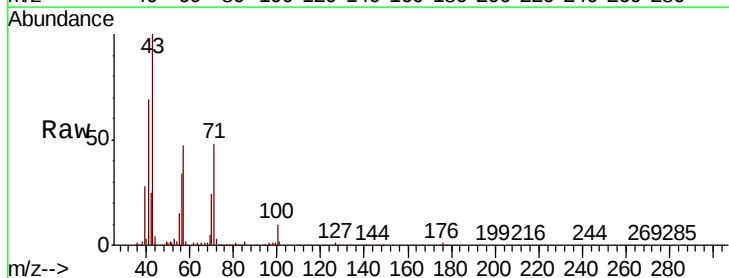
Acq: 25 Mar 2021 3:20

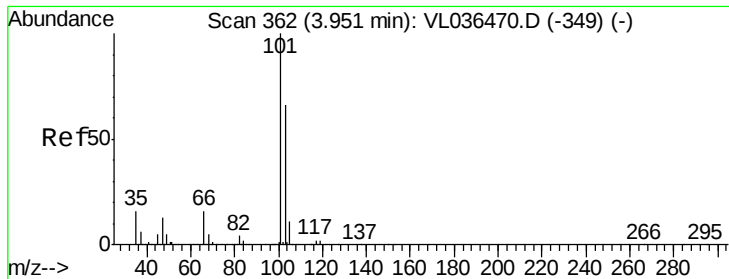
Tgt Ion: 43 Resp: 256733

Ion Ratio Lower Upper

43 100

57 50.2 39.4 59.0



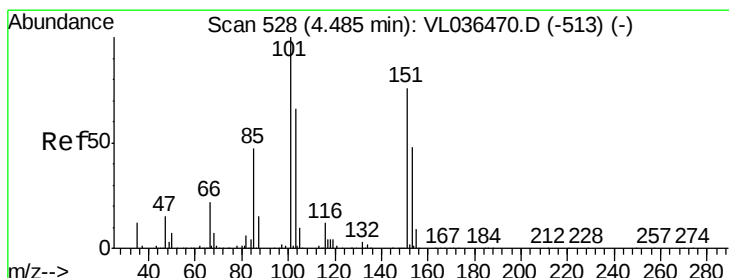
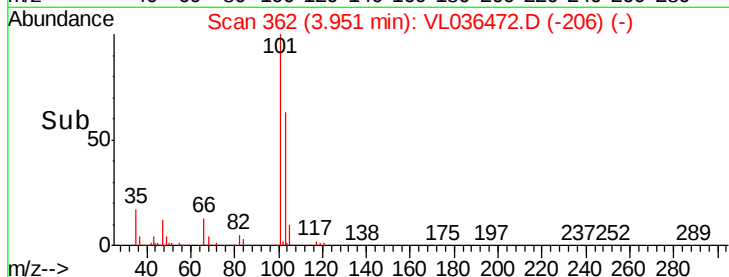
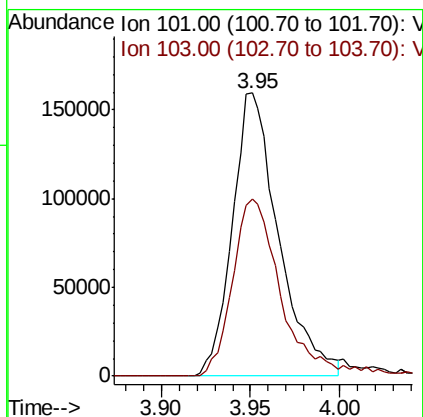
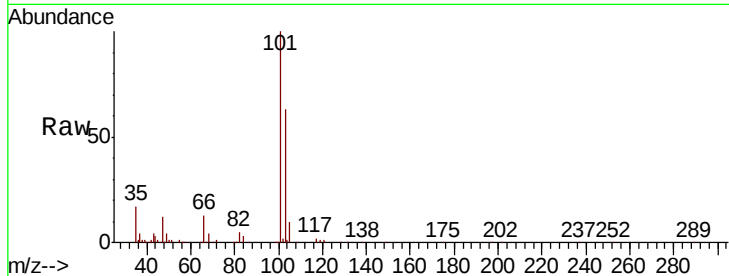


#11
 Trichlorofluoromethane
 Concen: 1.187 ppbv
 RT: 3.95 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 25 Mar 2021 3:20

Tot Ion:1
 Ion Rati
 101 100
 103 62.

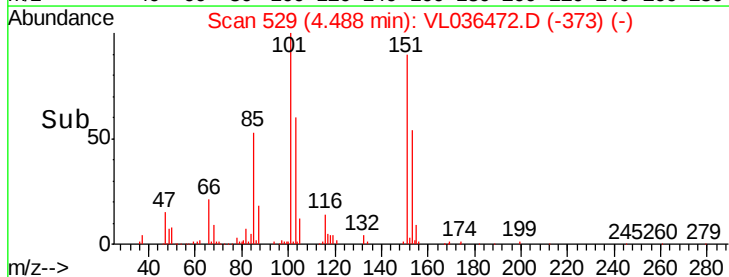
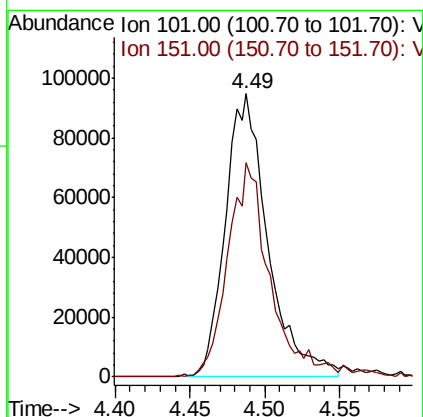
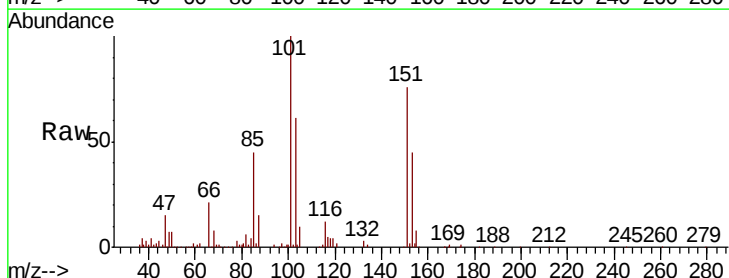
Manual Integrations
 APPROVED

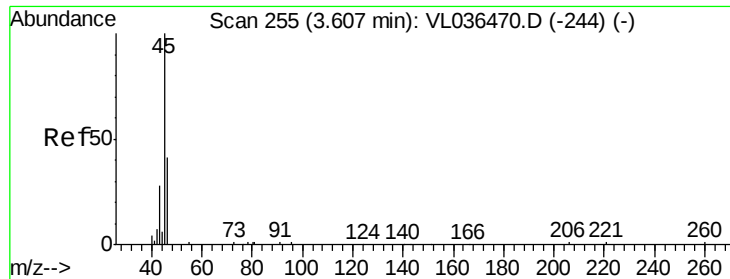
Reviewed By :Semsettin Yesilyurt 03/26/2021
 Supervised By :Mahesh Dadoda 03/29/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.186 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

Tgt Ion:101 Resp: 184933
 Ion Ratio Lower Upper
 101 100
 151 77.7 60.9 91.3



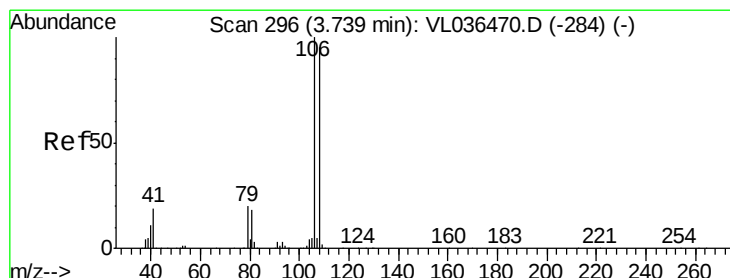
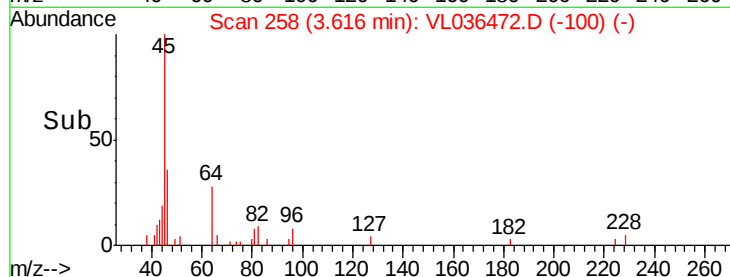
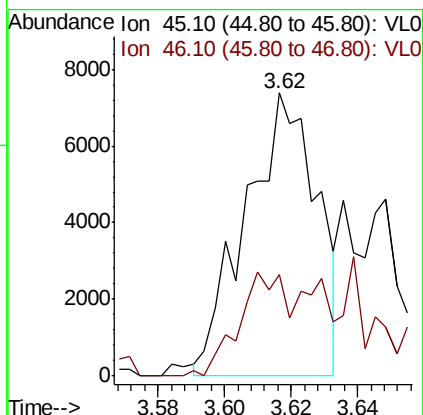
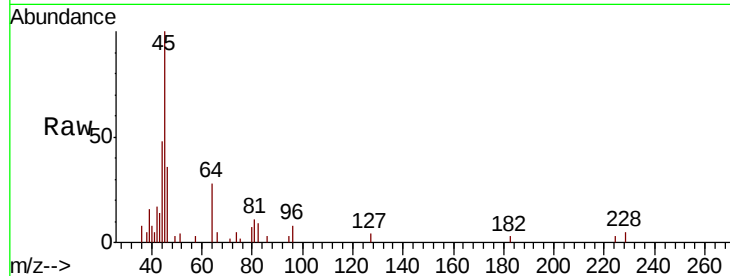


#13
Ethanol
Concen: 0.869 ppbv m
RT: 3.62
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Mar 2021 3:20

Tot Ion:
Ion Ratio
45 100
46 0.

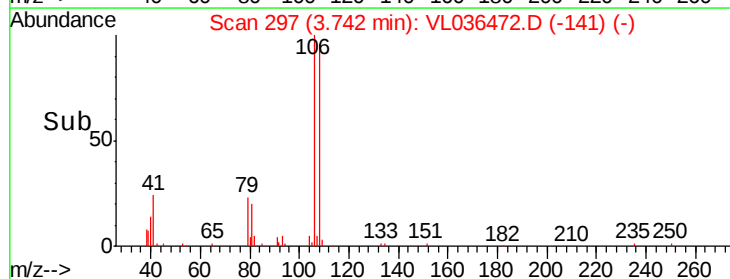
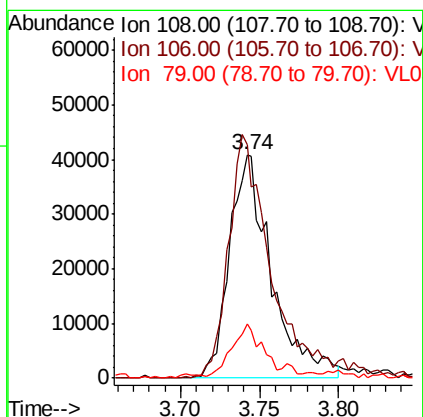
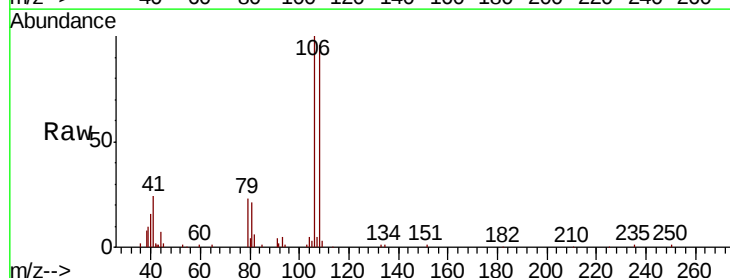
Manual Integrations
APPROVED

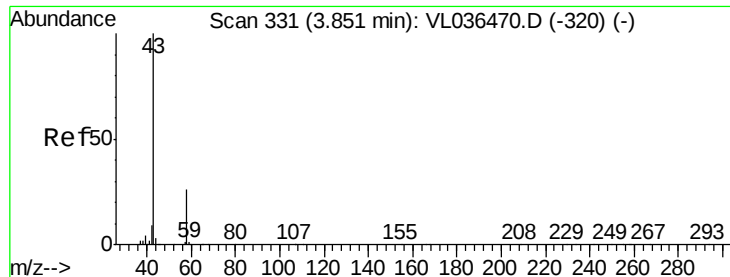
Reviewed By :Semsettin Yesilyurt 03/26/2021
Supervised By :Mahesh Dadoda 03/29/2021



#14
Bromoethene
Concen: 1.188 ppbv m
RT: 3.74 min Scan# 297
Delta R.T. 0.00 min
Lab File: VL036472.D
Acq: 25 Mar 2021 3:20

Tgt Ion:108 Resp: 76760
Ion Ratio Lower Upper
108 100
106 113.4 89.0 133.4
79 21.5 16.8 25.2





#15

Acetone

Concen: 0.877 ppbv

RT: 3.86 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 3:20 VSTDIC001

Tot Ion:

Ion Ratio

43 100

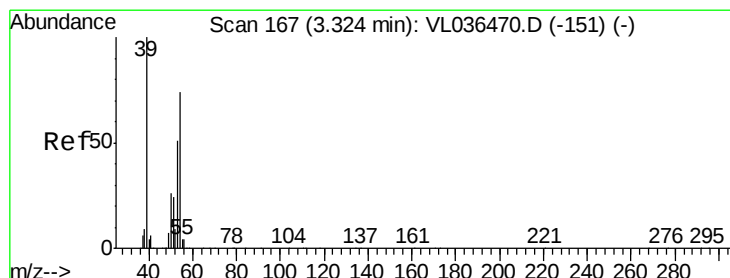
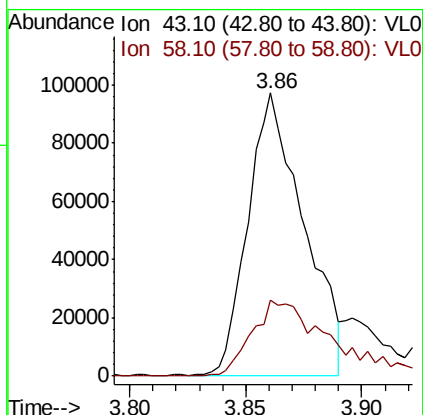
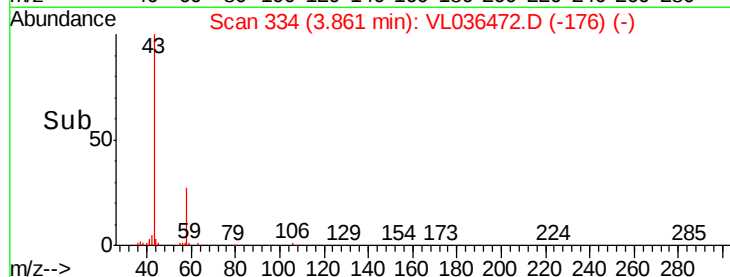
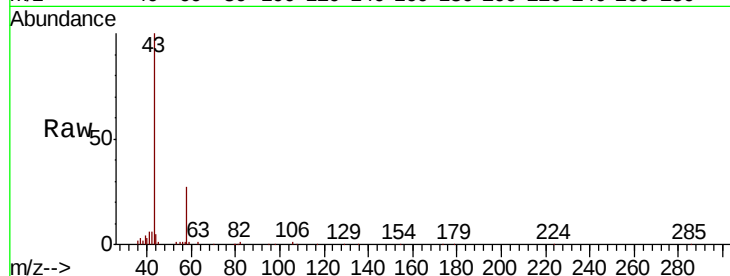
58 39.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



#16

1,3-Butadiene

Concen: 1.222 ppbv m

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL036472.D

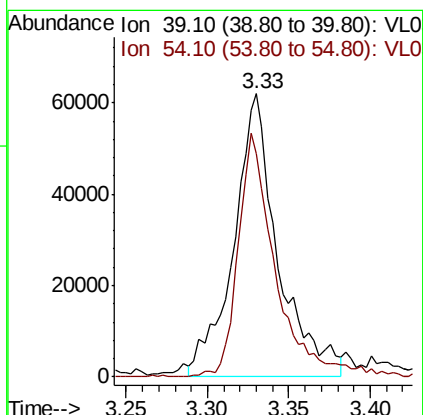
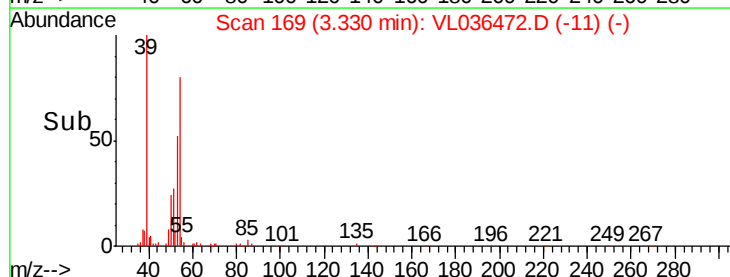
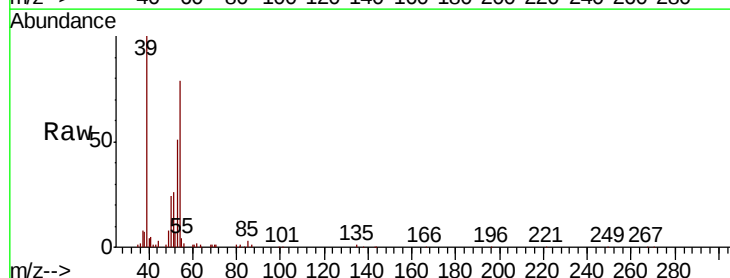
Acq: 25 Mar 2021 3:20

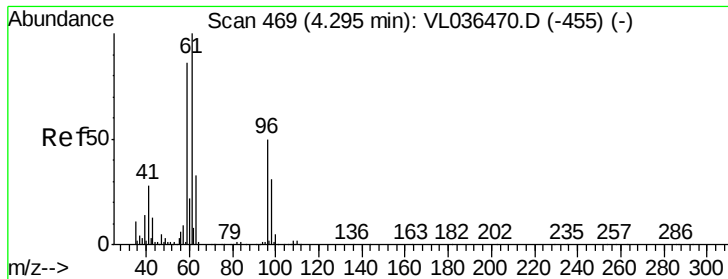
Tgt Ion: 39 Resp: 116980

Ion Ratio Lower Upper

39 100

54 73.0 59.0 88.4





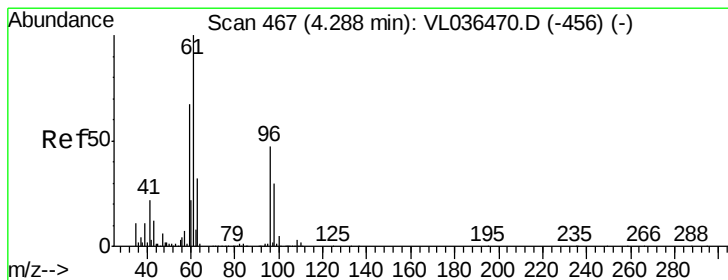
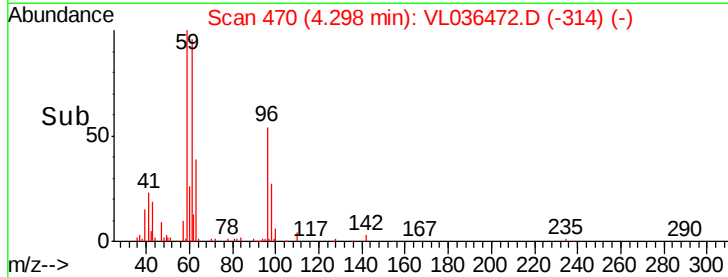
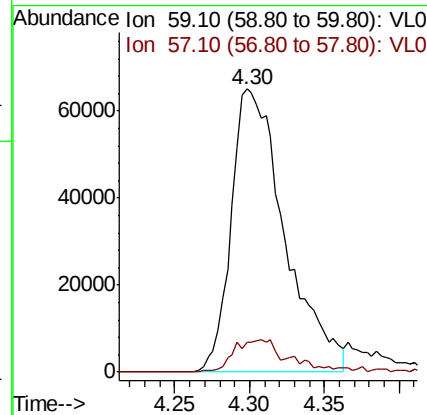
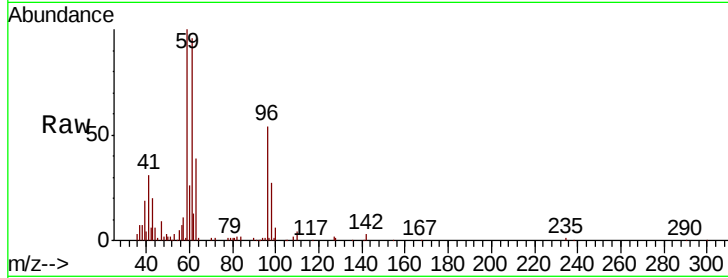
#17

tert-Butyl alcohol
Concen: 1.087 ppbv
RT: 4.30
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 25 Mar 2021 3:20

Tot Ion:
Ion Ratio
59 100
57 13.

Manual Integrations
APPROVED

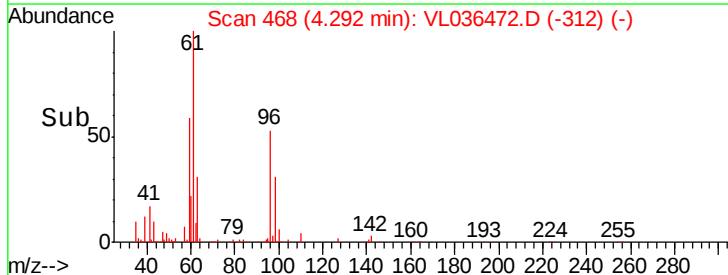
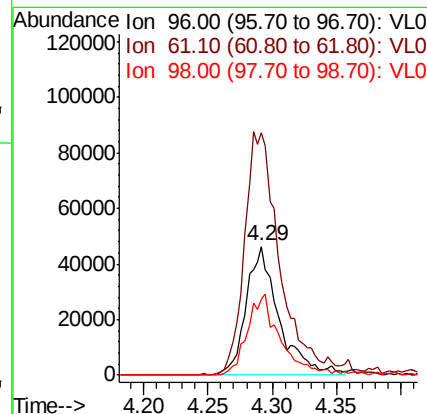
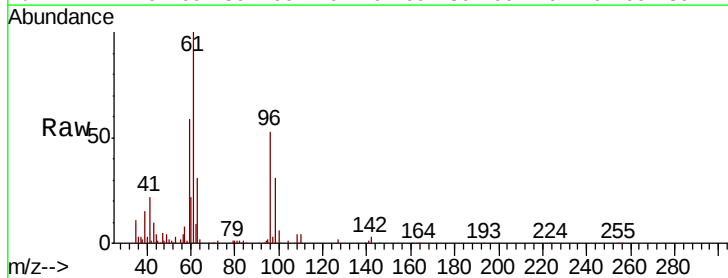
Reviewed By :Semsettin Yesilyurt 03/26/2021
Supervised By :Mahesh Dadoda 03/29/2021

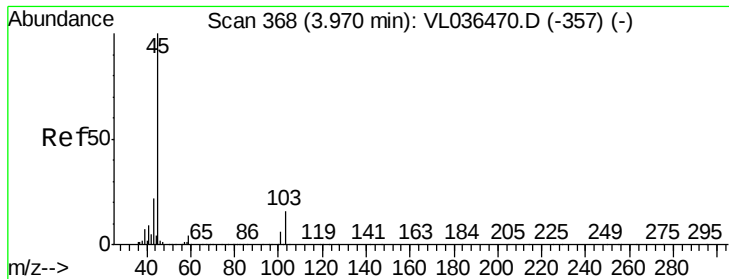


#18

1,1-Dichloroethene
Concen: 1.188 ppbv m
RT: 4.29 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL036472.D
Acq: 25 Mar 2021 3:20

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	82778		
61	188.0		168.6	253.0
98	58.6		50.8	76.2





#19

Isopropyl Alcohol

Concen: 0.977 ppbv m

RT: 3.98 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 25 Mar 2021 3:20 VSTDIC001

Tot Ion:

Ion Ratio

45 100

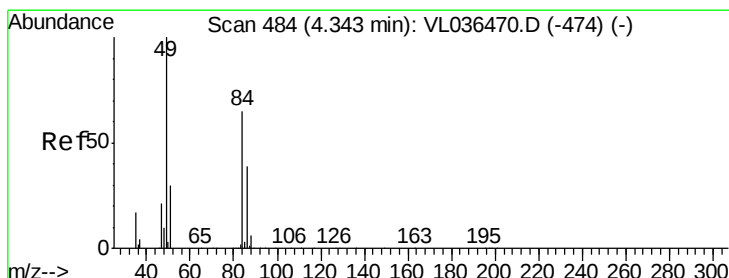
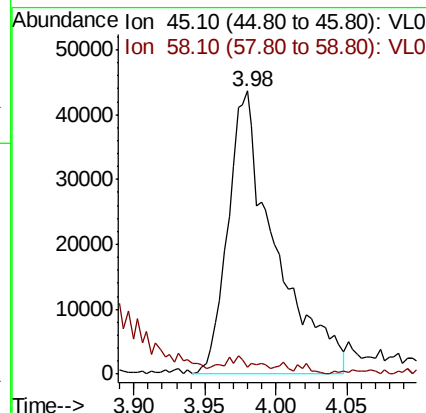
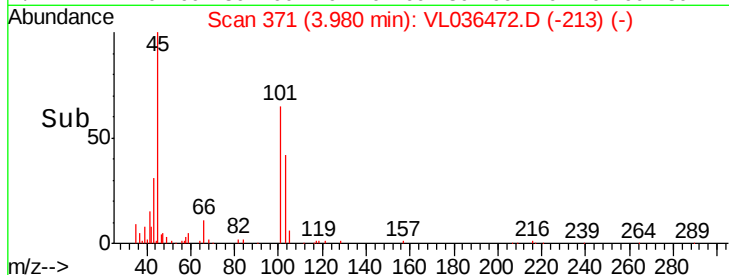
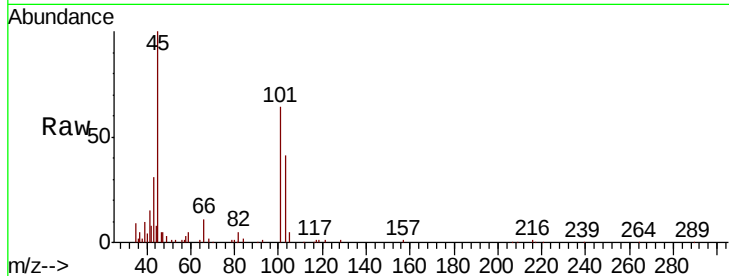
58 6.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



#20

Methylene Chloride

Concen: 1.222 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL036472.D

Acq: 25 Mar 2021 3:20

Tgt Ion: 84 Resp: 81154

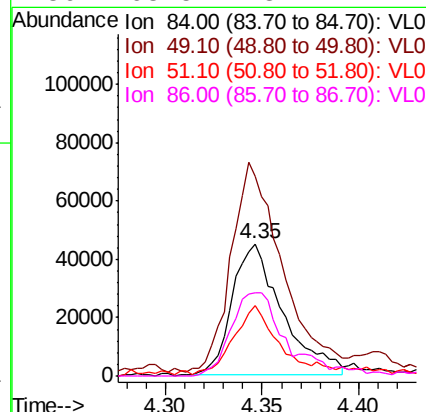
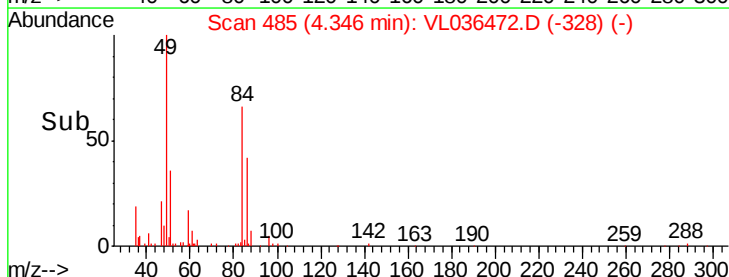
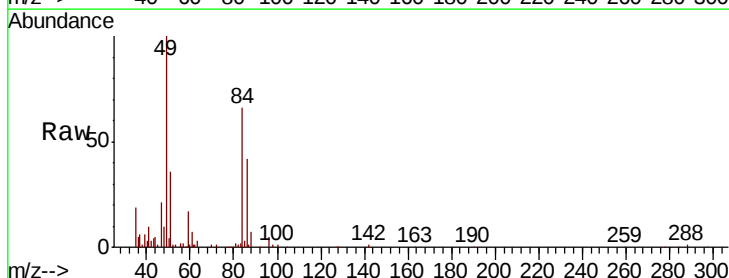
Ion Ratio Lower Upper

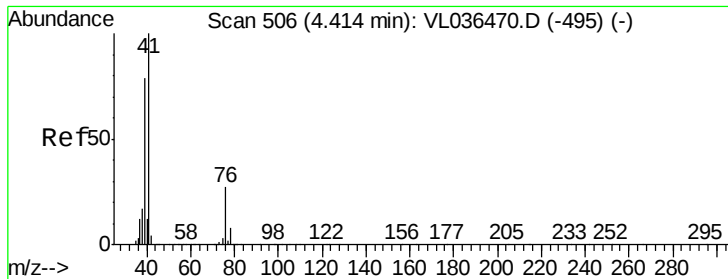
84 100

49 146.2 122.9 184.3

51 53.2 36.9 55.3

86 63.5 48.2 72.4



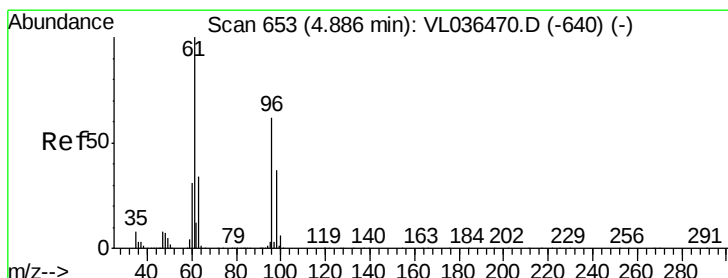
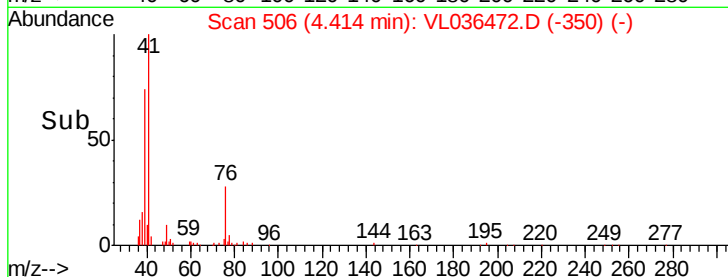
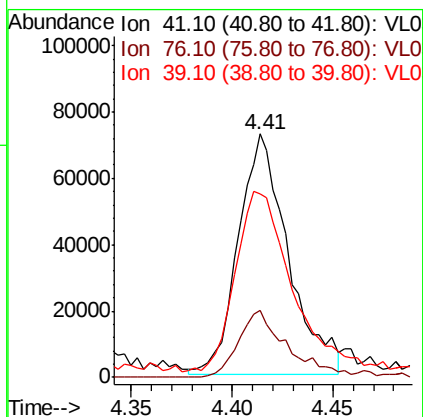
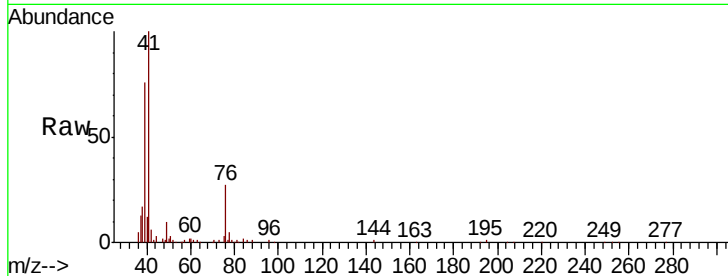


#21
Allvl Chloride
Concen: 1.129 ppbv
RT: 4.41
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 3:20

Tot Ion:
Ion Ratio
41 100
76 28.
39 91.

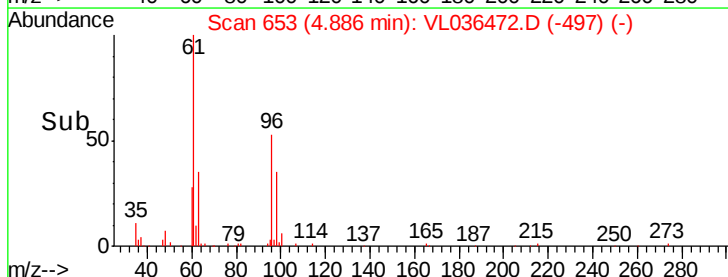
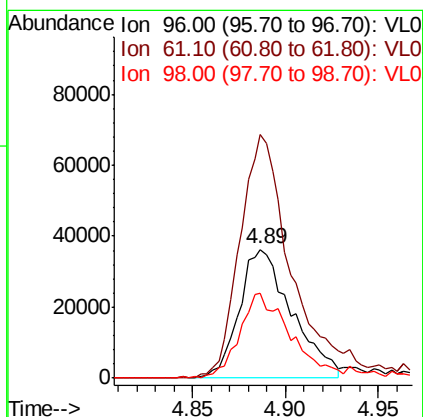
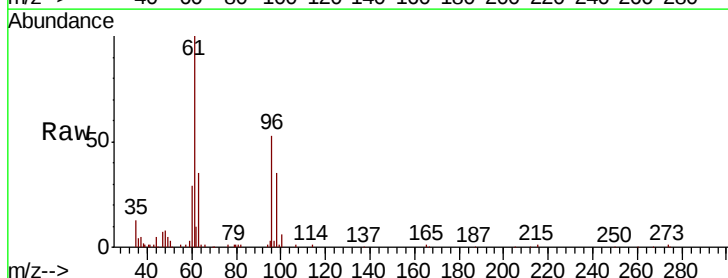
Manual Integrations
APPROVED

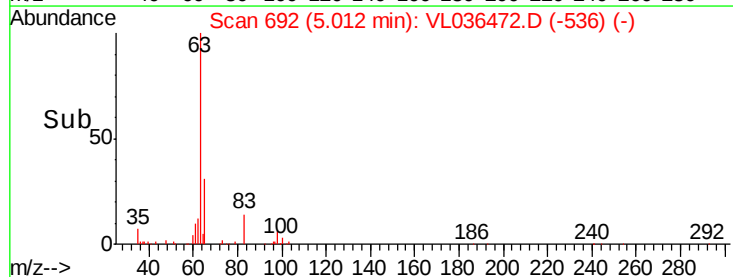
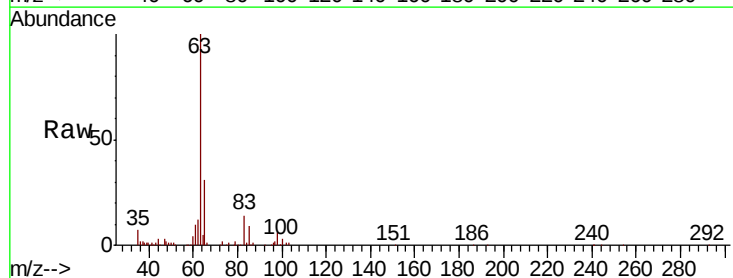
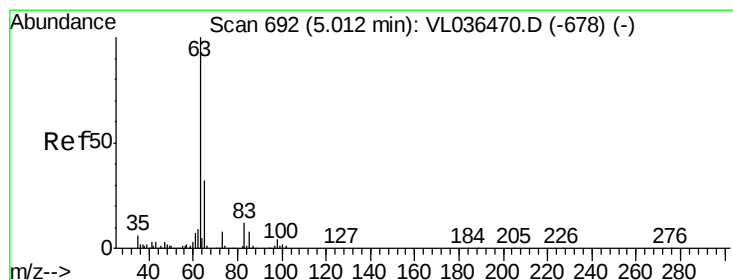
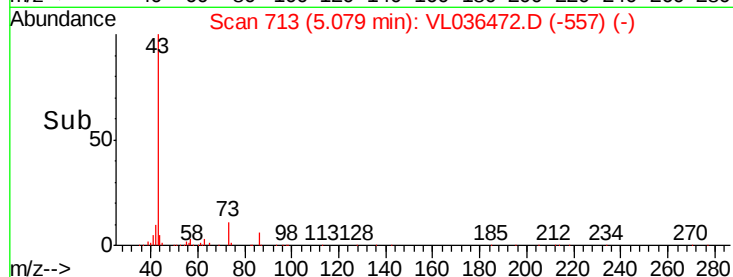
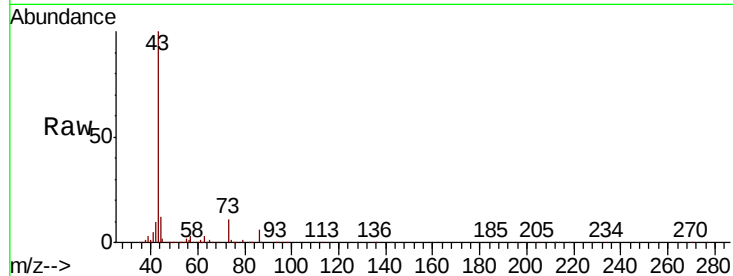
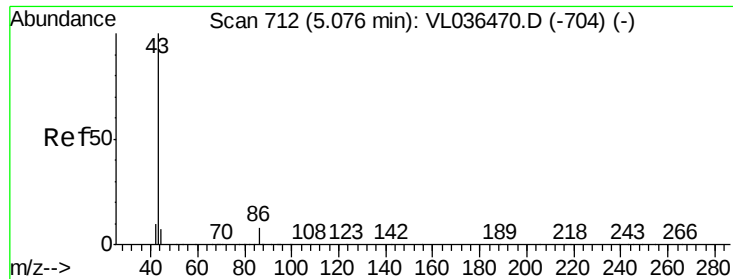
Reviewed By :Semsettin Yesilyurt 03/26/2021
Supervised By :Mahesh Dadoda 03/29/2021



#22
trans-1,2-Dichloroethene
Concen: 1.110 ppbv
RT: 4.89 min Scan# 653
Delta R.T. -0.00 min
Lab File: VL036472.D
Acq: 25 Mar 2021 3:20

Tgt Ion: 96 Resp: 70520
Ion Ratio Lower Upper
96 100
61 190.1 129.4 194.0
98 65.9 48.2 72.4



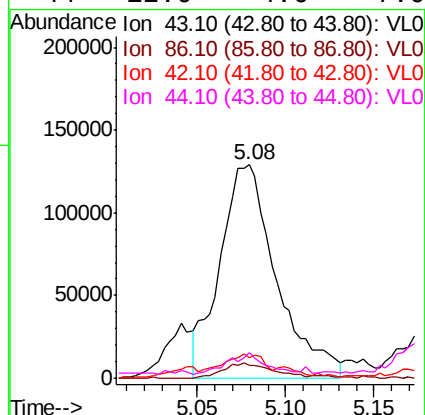


#23
 Vinyl Acetate
 Concen: 1.286 ppbv m
 RT: 5.08
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC001
 Acq: 25 Mar 2021 3:20

Tot Ion:
 Ion Ratio
 43 100
 86 6.
 42 9.
 44 12.0 4.6 7.0#

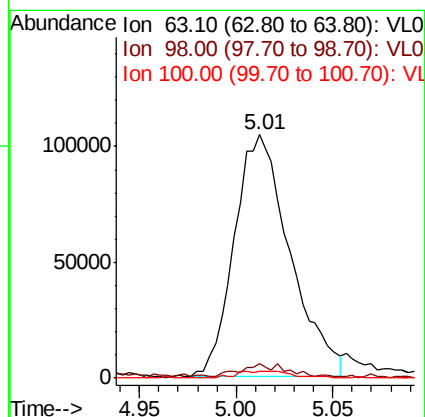
Manual Integrations
 APPROVED

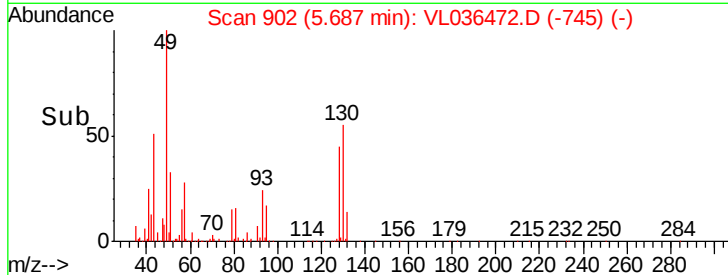
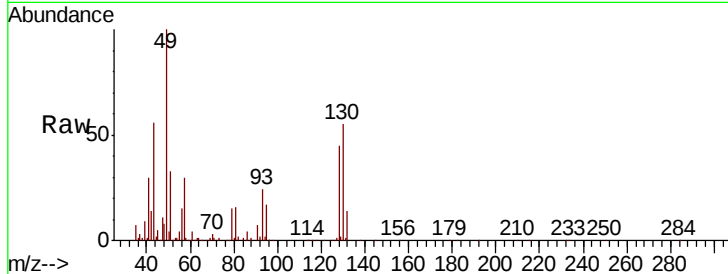
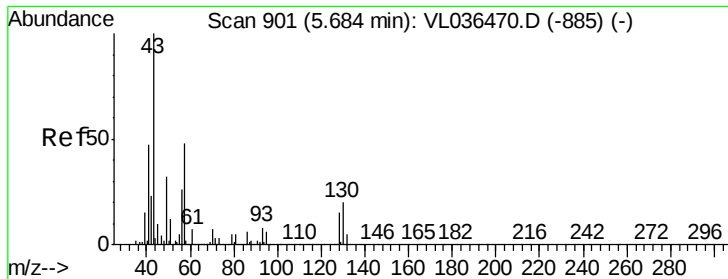
Reviewed By :Semsettin Yesilyurt 03/26/2021
 Supervised By :Mahesh Dadoda 03/29/2021



#24
 1,1-Dichloroethane
 Concen: 1.194 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. -0.00 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

Tgt Ion: 63 Resp: 209250
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.1 6.2
 100 2.7 0.9 2.8



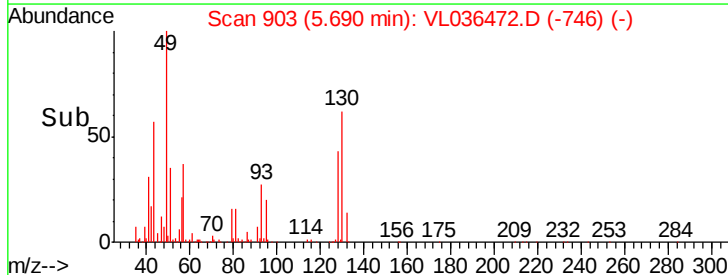
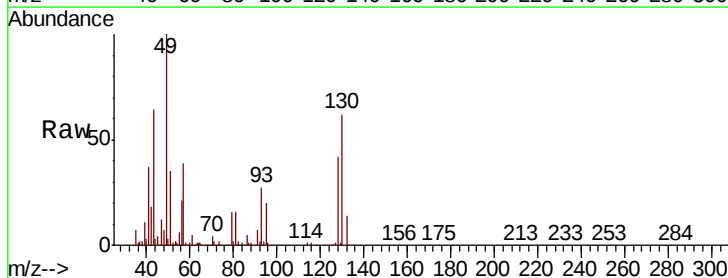
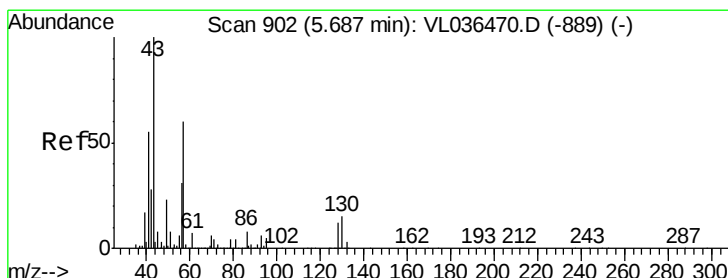
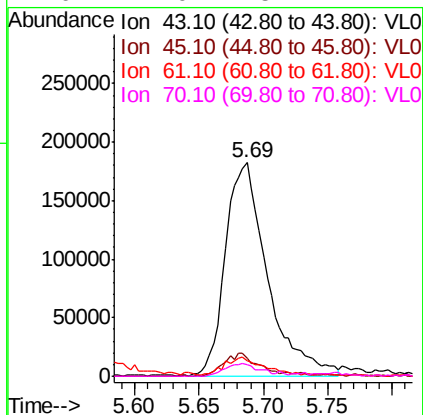


#25
Ethyl Acetate
Concen: 1.119 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Mar 2021 3:20

Tot Ion:
Ion Ratio
43 100
45 10.
61 7.
70 7.0 5.1 7.7

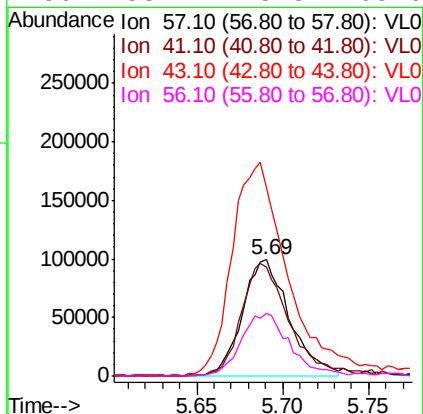
Manual Integrations
APPROVED

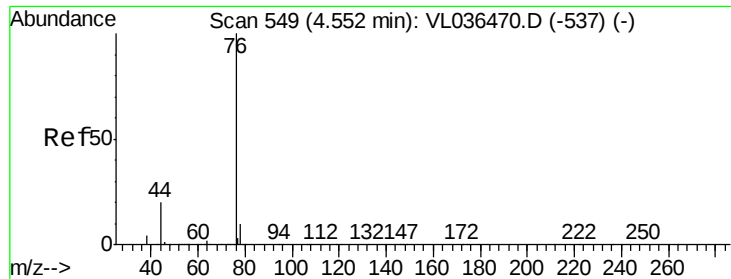
Reviewed By :Semsettin Yesilyurt 03/26/2021
Supervised By :Mahesh Dadoda 03/29/2021



#26
Hexane
Concen: 1.205 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL036472.D
Acq: 25 Mar 2021 3:20

Tgt Ion: 57 Resp: 188251
Ion Ratio Lower Upper
57 100
41 103.8 77.3 115.9
43 228.8 174.8 262.2
56 58.2 43.8 65.6





#27

Carbon Disulfide

Concen: 1.006 ppbv

RT: 4.55 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 25 Mar 2021 3:20

Tot Ion:

Ion Ratio

76 100

44 27.

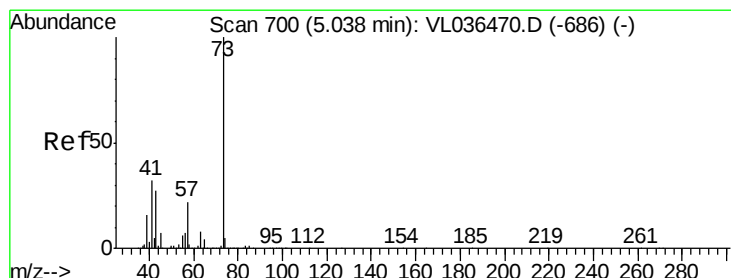
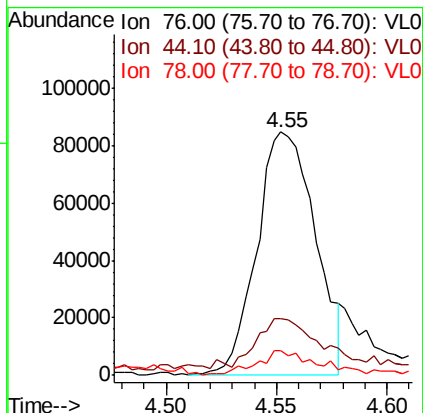
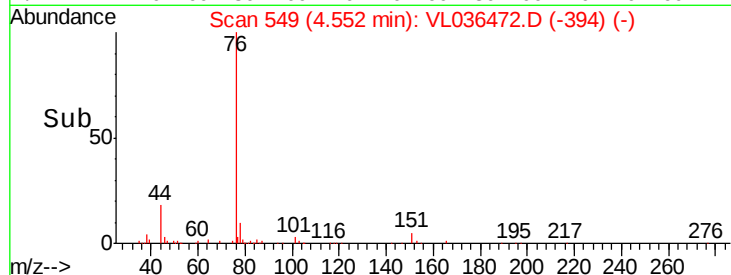
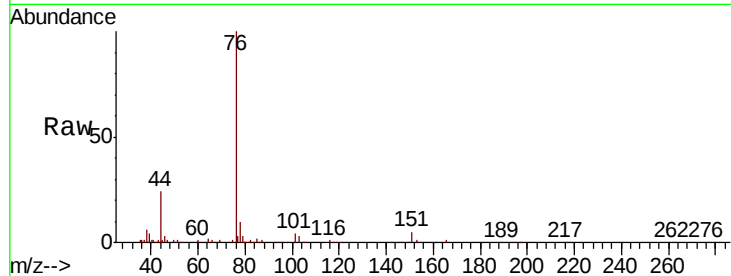
78 12.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



#28

Methyl tert-Butyl Ether

Concen: 1.068 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.00 min

Lab File: VL036472.D

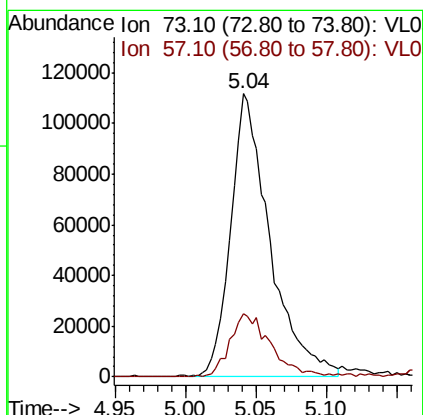
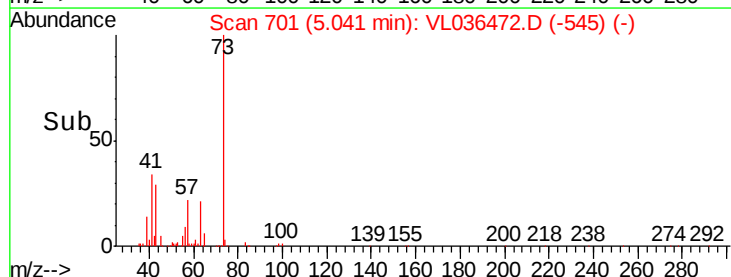
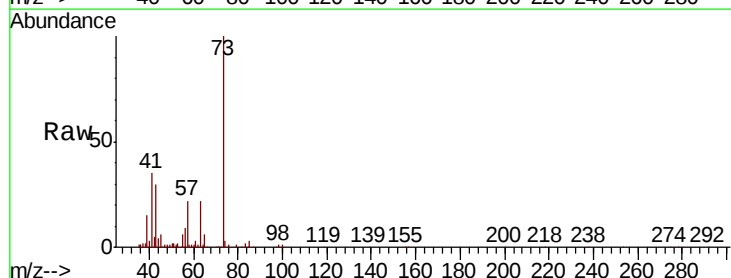
Acq: 25 Mar 2021 3:20

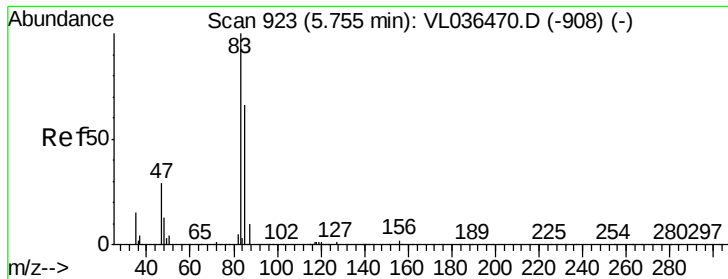
Tgt Ion: 73 Resp: 218202

Ion Ratio Lower Upper

73 100

57 23.1 18.6 27.8



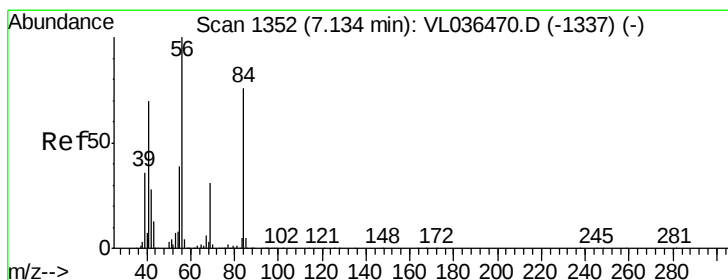
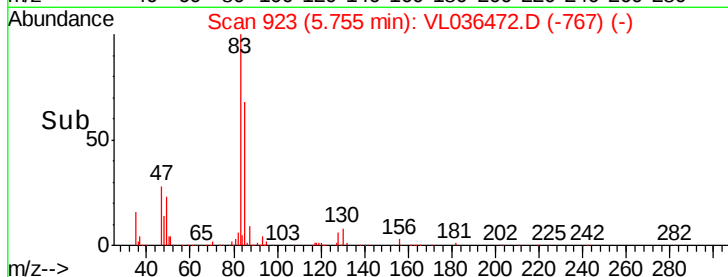
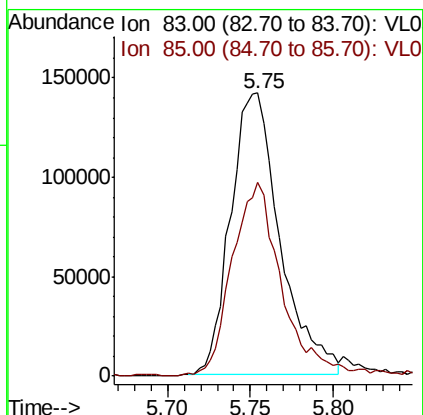
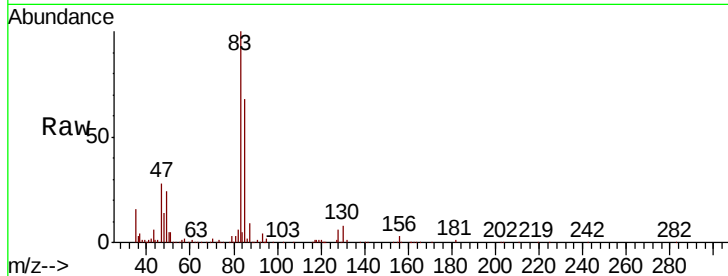


#29
Chloroform
Concen: 1.159 ppbv
RT: 5.75
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 3:20

Tot Ion:
Ion Ratio
83 100
85 67.

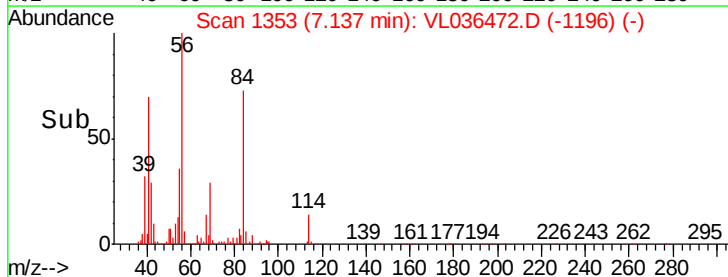
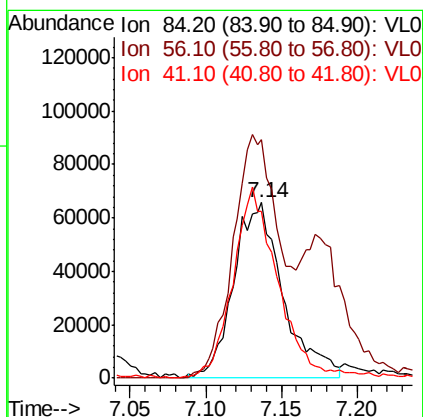
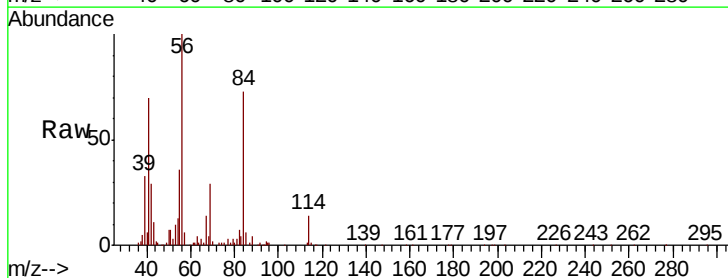
Manual Integrations
APPROVED

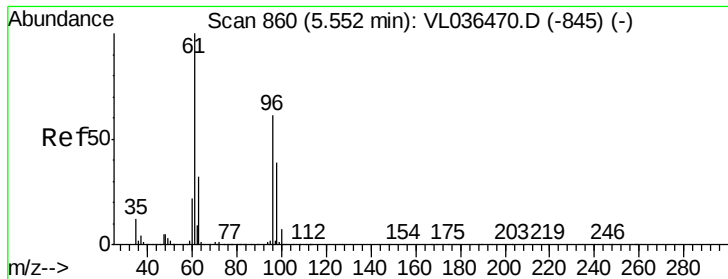
Reviewed By :Semsettin Yesilyurt 03/26/2021
Supervised By :Mahesh Dadoda 03/29/2021



#30
Cyclohexane
Concen: 1.155 ppbv m
RT: 7.14 min Scan# 1353
Delta R.T.: 0.00 min
Lab File: VL036472.D
Acq: 25 Mar 2021 3:20

Tgt Ion: 84 Resp: 149259
Ion Ratio Lower Upper
84 100
56 131.4 114.6 171.8
41 100.1 75.3 112.9





#31

cis-1,2-Dichloroethene

Concen: 1.144 ppbv m

RT: 5.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 3:20 VSTDIC001

Tot Ion:

Ion Ratio

61 100

96 62.

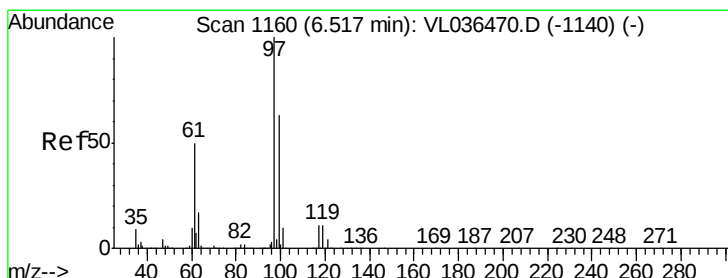
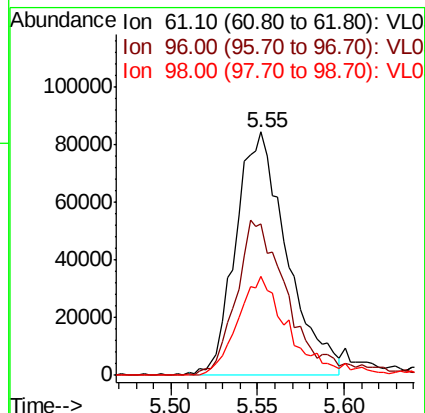
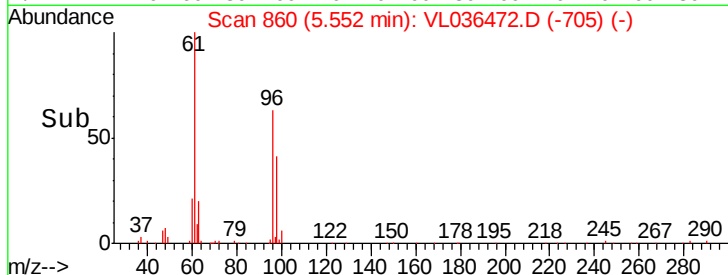
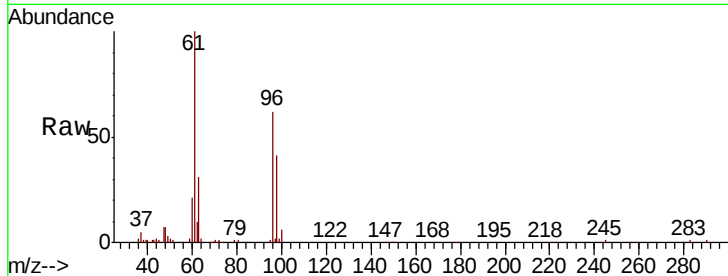
98 40.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



#32

1,1,1-Trichloroethane

Concen: 1.128 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VL036472.D

Acq: 25 Mar 2021 3:20

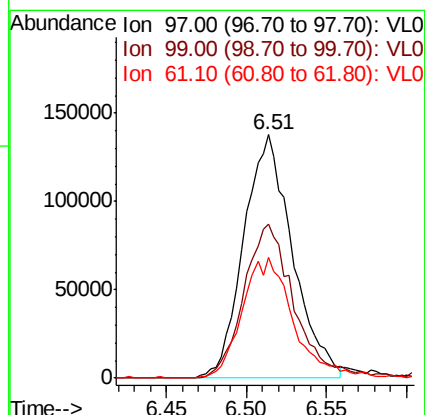
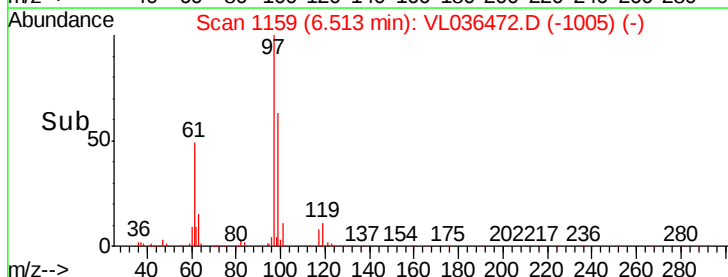
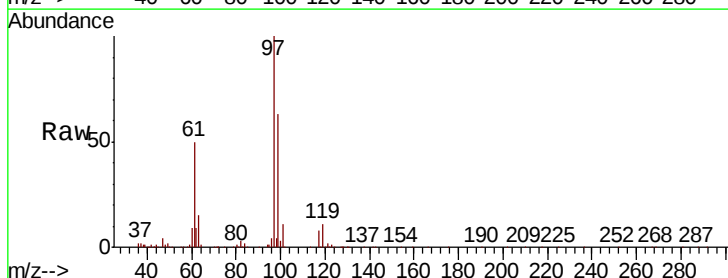
Tgt Ion: 97 Resp: 286250

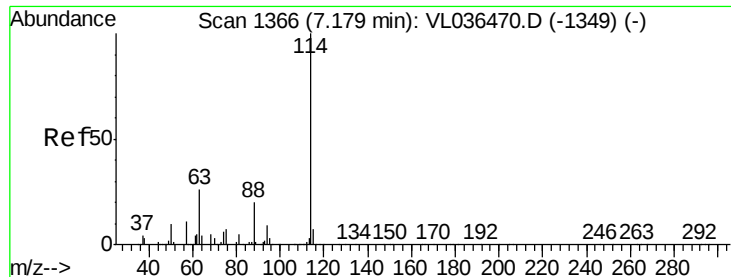
Ion Ratio Lower Upper

97 100

99 66.8 51.4 77.0

61 53.1 40.6 60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 3:20

Tot Ion:1

Ion Rati

114 100

63 28.

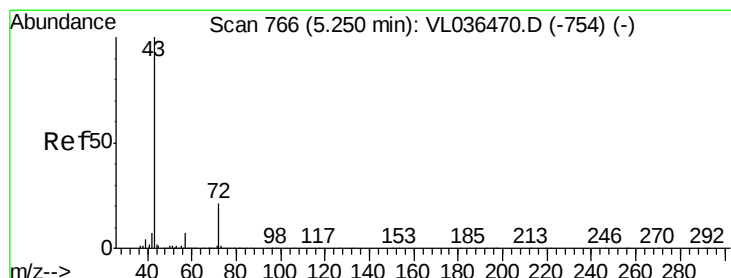
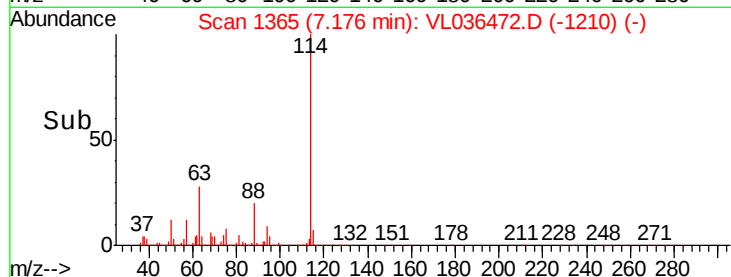
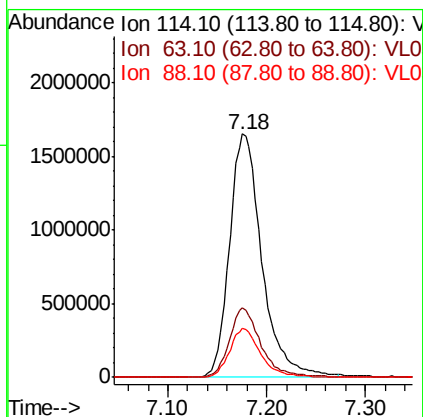
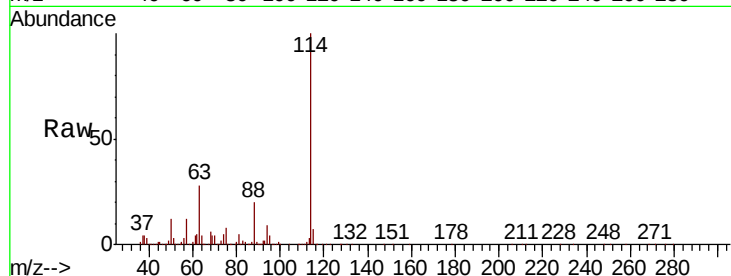
88 19.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



#34

2-Butanone

Concen: 0.740 ppbv

RT: 5.25 min Scan# 767

Delta R.T. 0.00 min

Lab File: VL036472.D

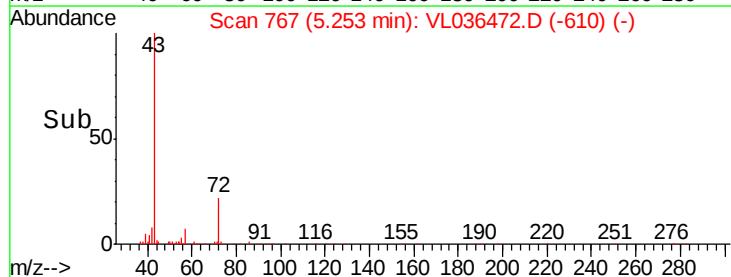
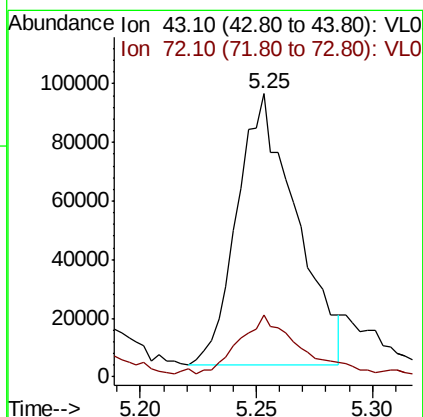
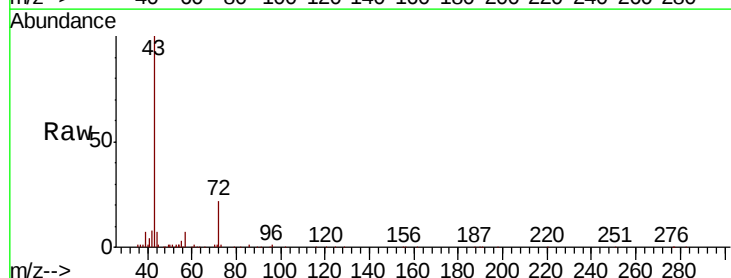
Acq: 25 Mar 2021 3:20

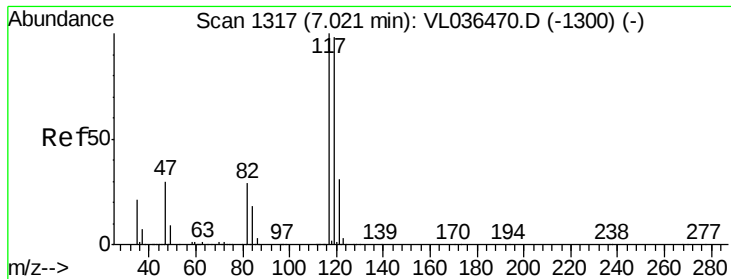
Tgt Ion: 43 Resp: 163792

Ion Ratio Lower Upper

43 100

72 29.0 17.0 25.6#



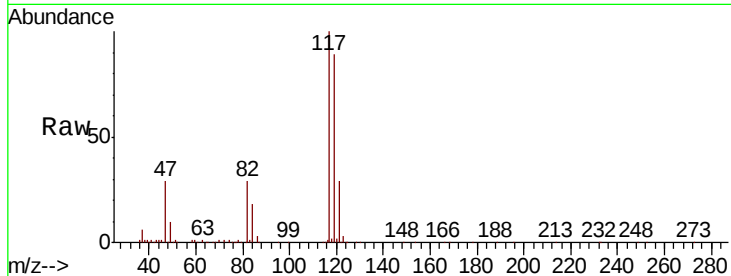


#35
Carbon Tetrachloride
Concen: 1.185 ppbv
RT: 7.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Mar 2021 3:20

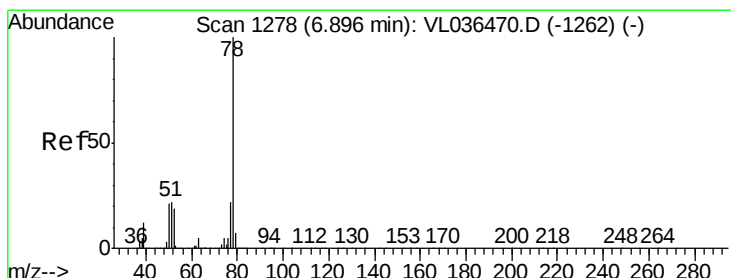
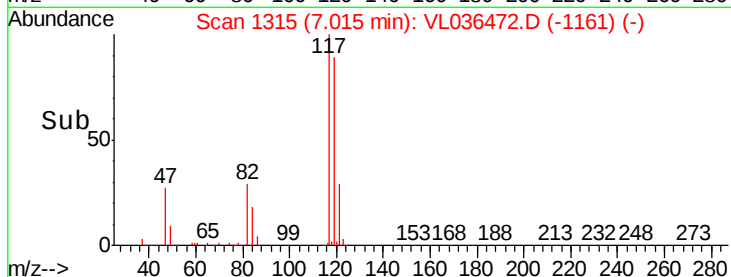
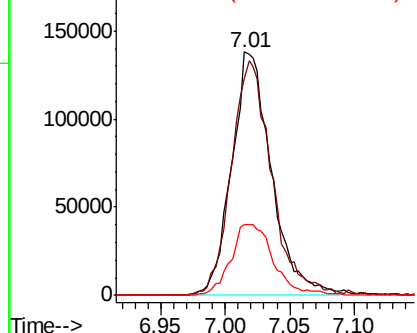
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021
Supervised By :Mahesh Dadoda 03/29/2021

Tot Ion:1
Ion Rati
117 100
119 88.
121 29.

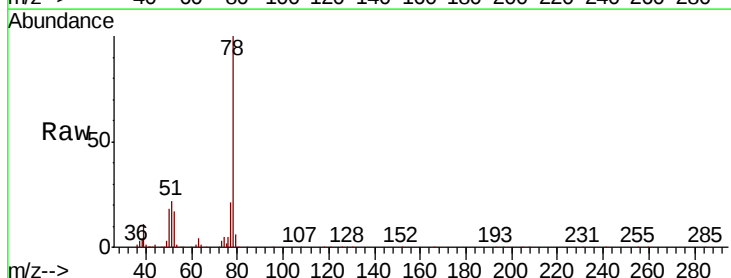


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

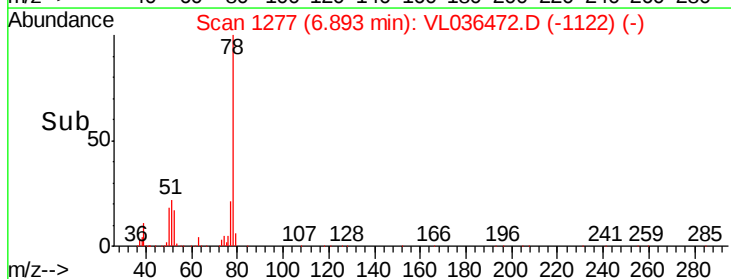
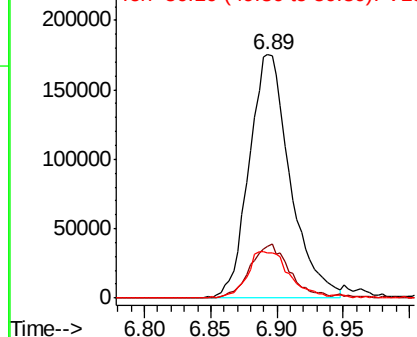


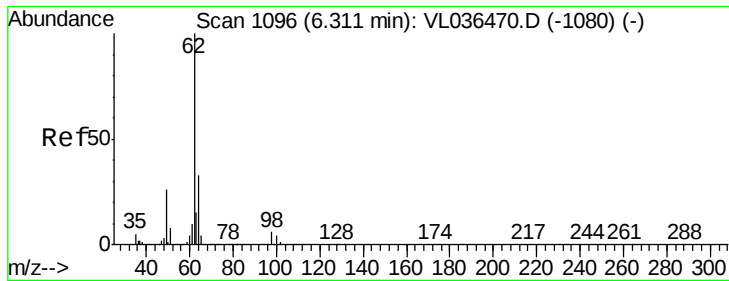
#36
Benzene
Concen: 1.254 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.00 min
Lab File: VL036472.D
Acq: 25 Mar 2021 3:20

Tgt Ion: 78 Resp: 378473
Ion Ratio Lower Upper
78 100
77 21.0 18.0 27.0
50 18.0 16.5 24.7



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



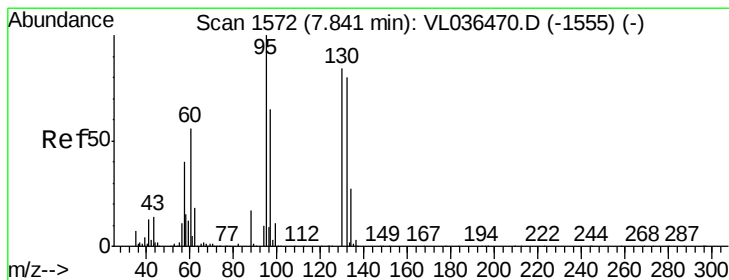
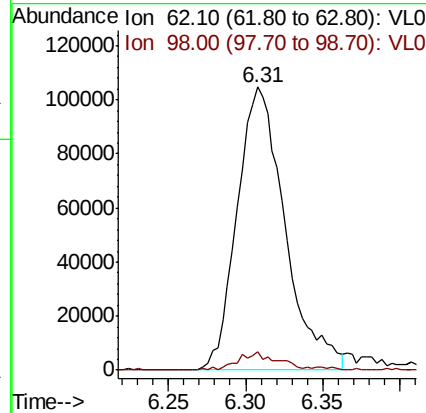
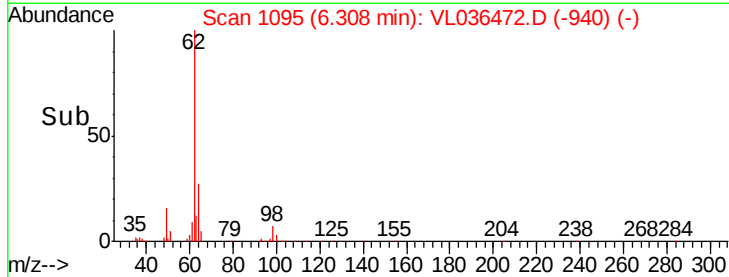
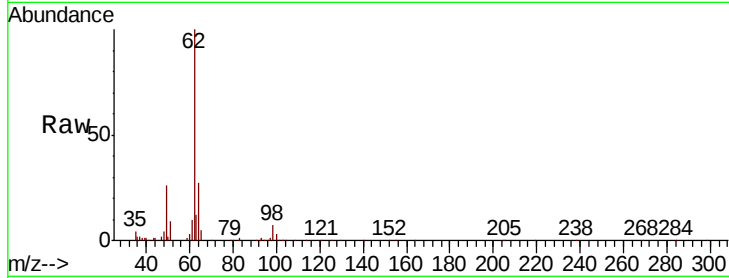


#37
 1,2-Dichloroethane
 Concen: 1.196 ppbv
 RT: 6.31
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC001
 Acq: 25 Mar 2021 3:20

Tot Ion:
 Ion Ratio
 62 100
 98 5.

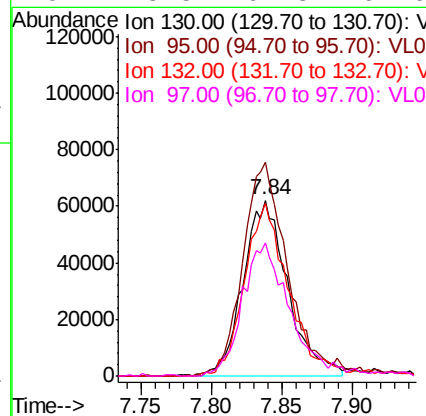
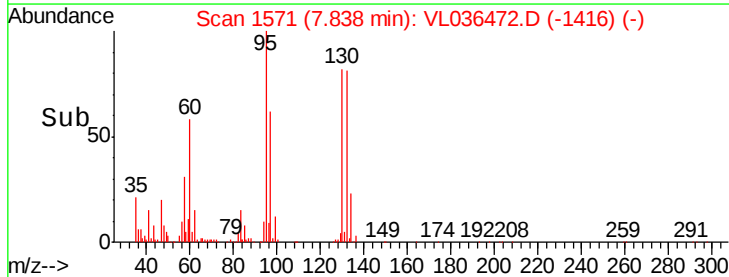
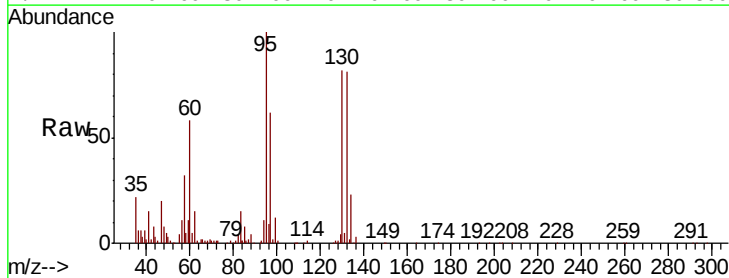
Manual Integrations
 APPROVED

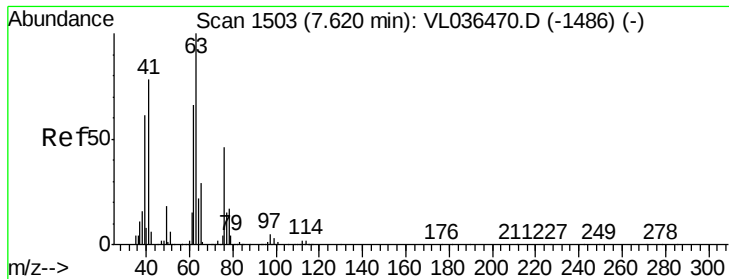
Reviewed By :Semsettin Yesilyurt 03/26/2021
 Supervised By :Mahesh Dadoda 03/29/2021



#38
 Trichloroethene
 Concen: 1.214 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

Tgt Ion:130 Resp: 137520
 Ion Ratio Lower Upper
 130 100
 95 121.3 95.7 143.5
 132 98.8 76.2 114.4
 97 75.5 61.8 92.6





#39

1,2-Dichloropropane

Concen: 1.267 ppbv m

RT: 7.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 3:20 VSTDIC001

Tot Ion:

Ion Ratio

63 100

41 78.

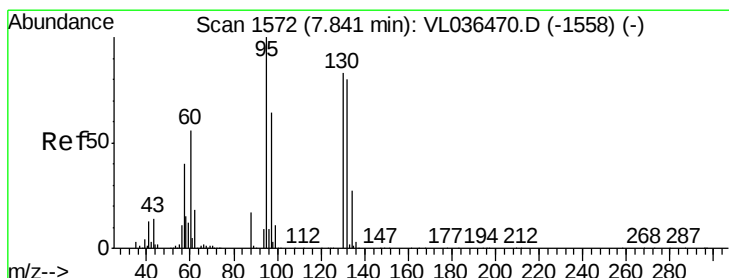
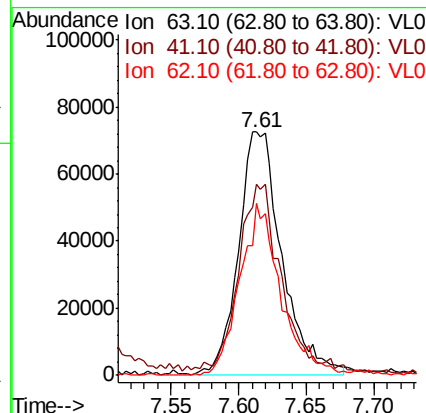
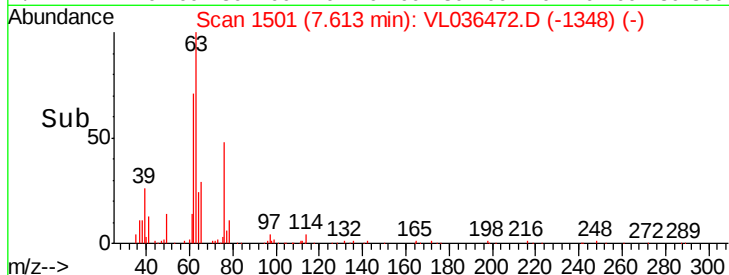
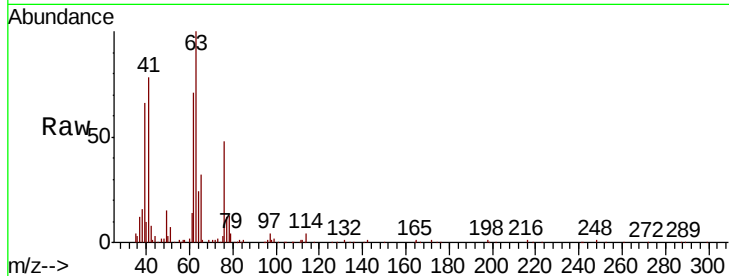
62 70.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



#40

1,4-Dioxane

Concen: 1.036 ppbv m

RT: 7.87 min Scan# 1580

Delta R.T. 0.03 min

Lab File: VL036472.D

Acq: 25 Mar 2021 3:20

Tgt Ion: 88 Resp: 40793

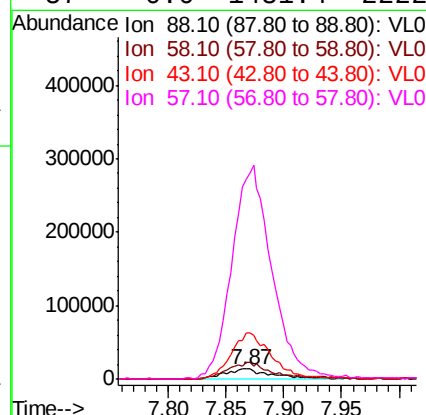
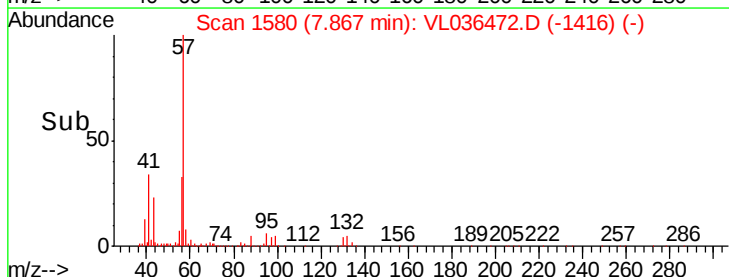
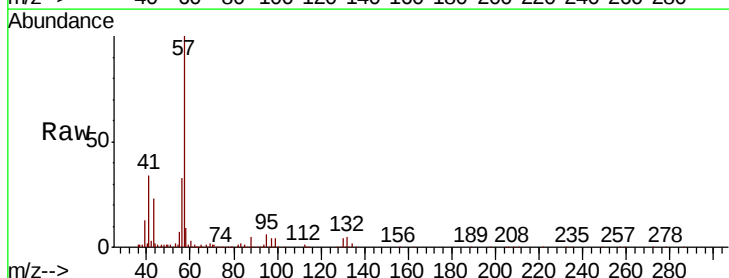
Ion Ratio Lower Upper

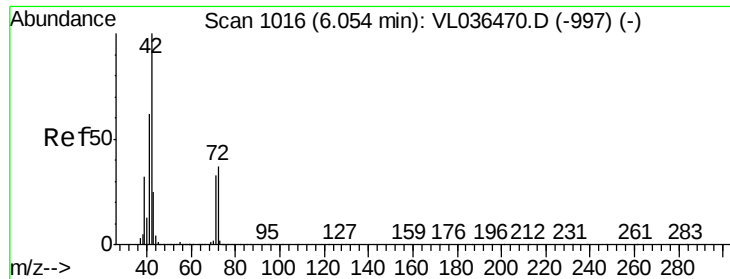
88 100

58 0.0 135.3 202.9#

43 0.0 347.4 521.0#

57 0.0 1481.4 2222.0#





#41

Tetrahydrofuran

Concen: 0.749 ppbv m

RT: 6.07

Delta R.T. MSVOA_L

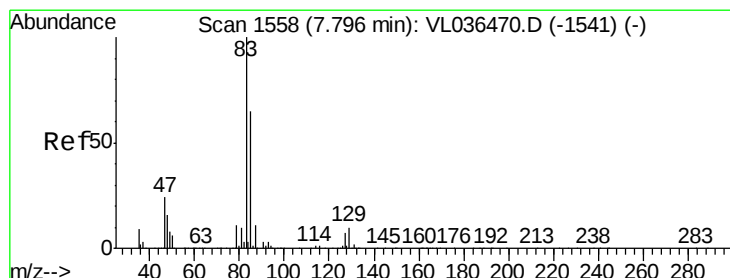
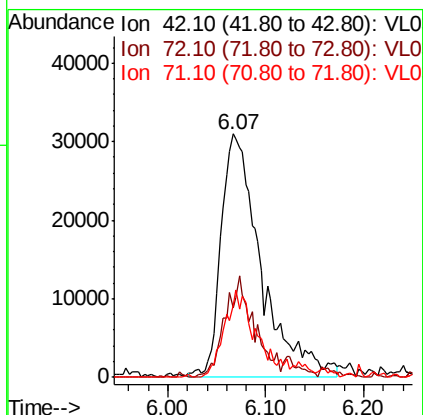
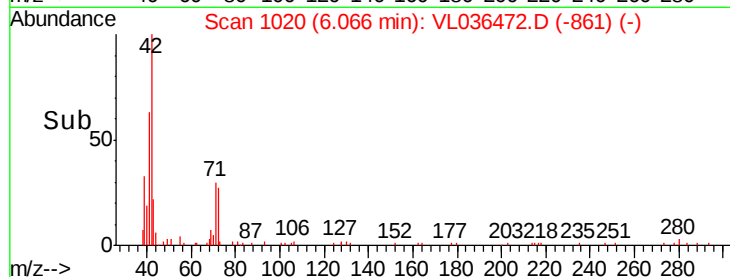
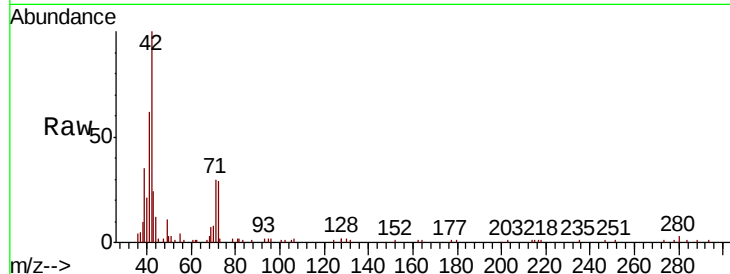
Lab File: ClientSampleId :

Acq: 25 Mar 2021 3:20

Tot Ion:
Ion Rati
42 100
72 35.
71 26.

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021
Supervised By :Mahesh Dadoda 03/29/2021



#42

Bromodichloromethane

Concen: 1.174 ppbv

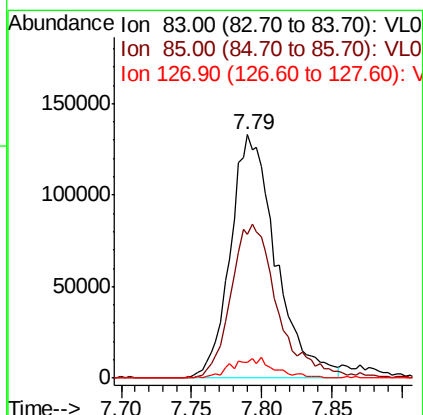
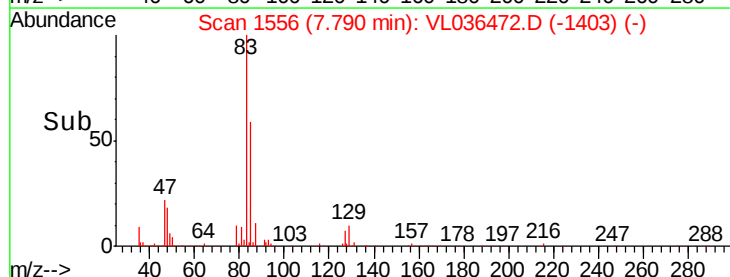
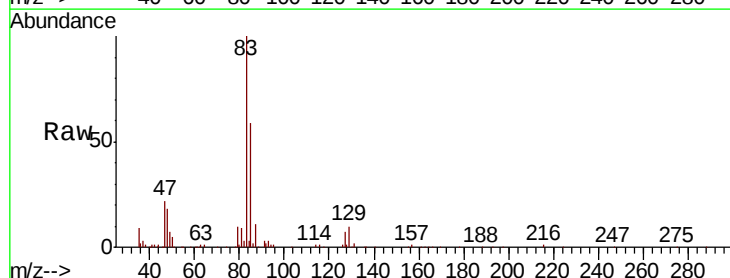
RT: 7.79 min Scan# 1556

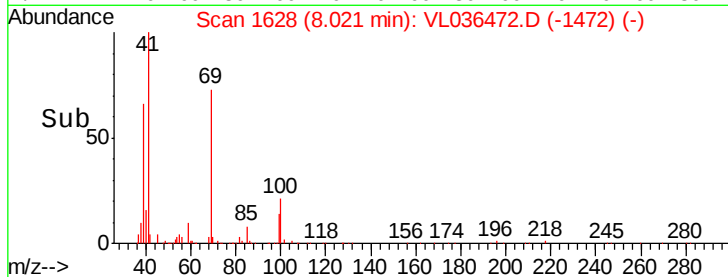
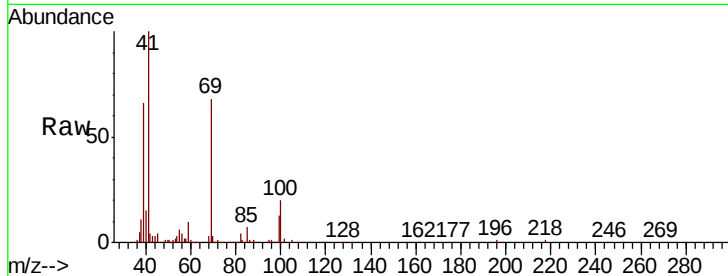
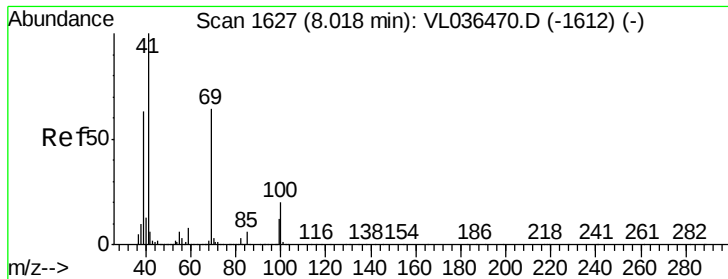
Delta R.T. -0.01 min

Lab File: VL036472.D

Acq: 25 Mar 2021 3:20

Tgt Ion: 83 Resp: 299308
Ion Ratio Lower Upper
83 100
85 58.4 51.8 77.6
127 6.8 5.8 8.8





#43

Methyl Methacrylate

Concen: 1.014 ppbv

RT: 8.02

Instrument: MSVOA_1

Delta R.T.:

Client Sample Id:

Lab File: VSTDIC001

Acq: 25 Mar 2021 3:20

Tot Ion:

Ion Ratio

69 100

41 159.

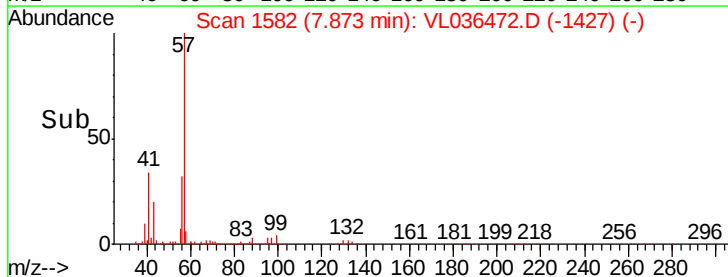
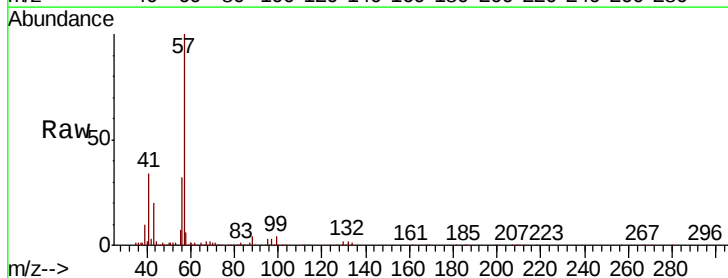
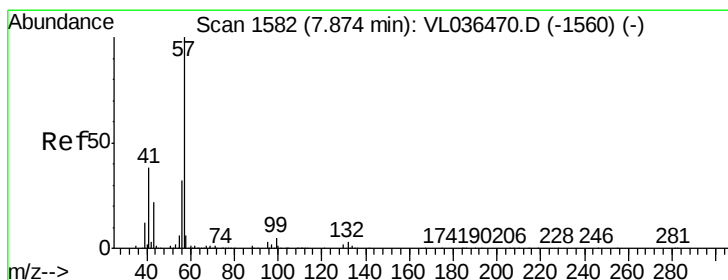
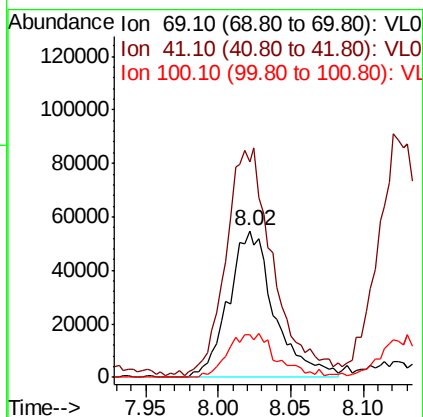
100 31.

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 03/26/2021

Supervised By : Mahesh Dadoda 03/29/2021



#44

2,2,4-Trimethylpentane

Concen: 1.265 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VL036472.D

Acq: 25 Mar 2021 3:20

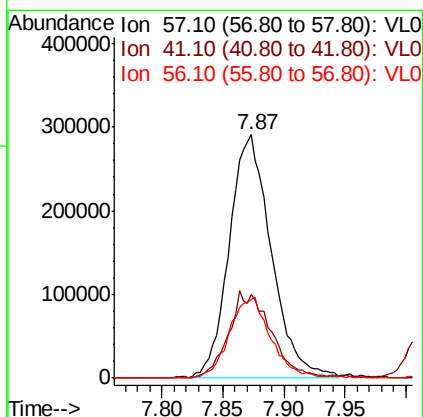
Tgt Ion: 57 Resp: 691857

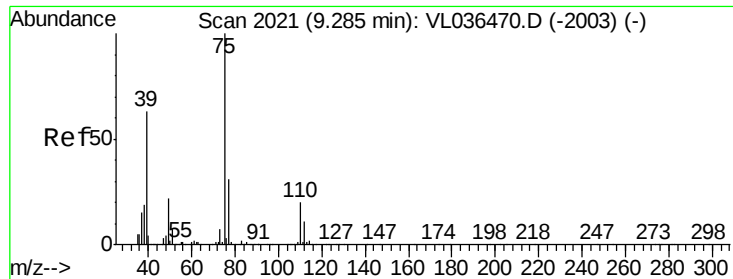
Ion Ratio Lower Upper

57 100

41 36.0 28.8 43.2

56 33.4 26.1 39.1





#45

t-1,3-Dichloropropene

Concen: 1.099 ppbv m

RT: 9.28 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC001

Acq: 25 Mar 2021 3:20

Tot Ion:

Ion Ratio

75 100

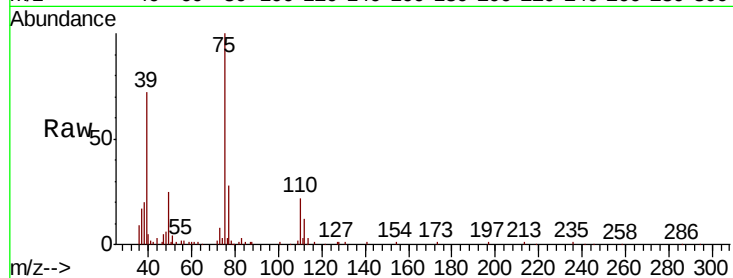
77 28.

Manual Integrations

APPROVED

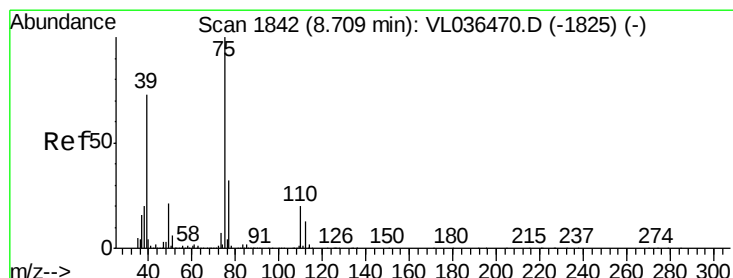
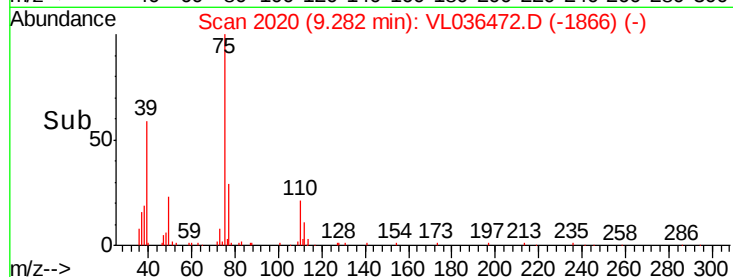
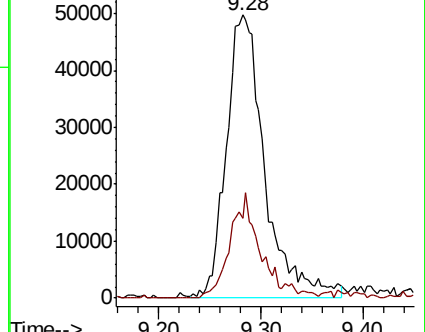
Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 1.076 ppbv m

RT: 8.71 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VL036472.D

Acq: 25 Mar 2021 3:20

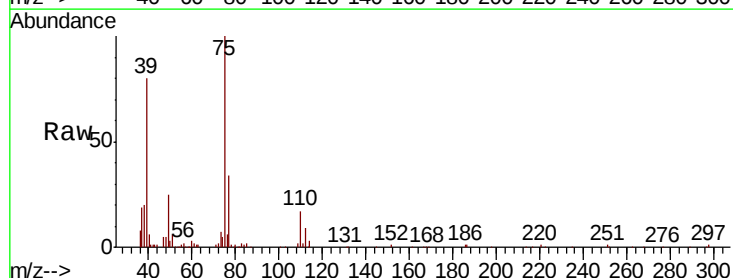
Tgt Ion: 75 Resp: 165783

Ion Ratio Lower Upper

75 100

39 80.1 58.2 87.2

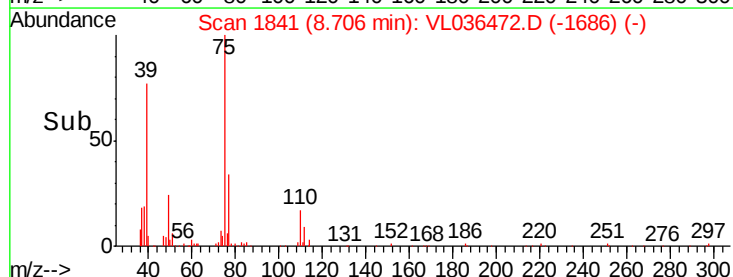
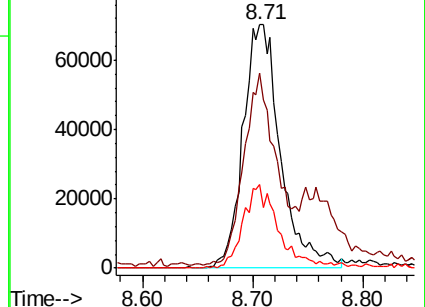
77 34.4 25.2 37.8

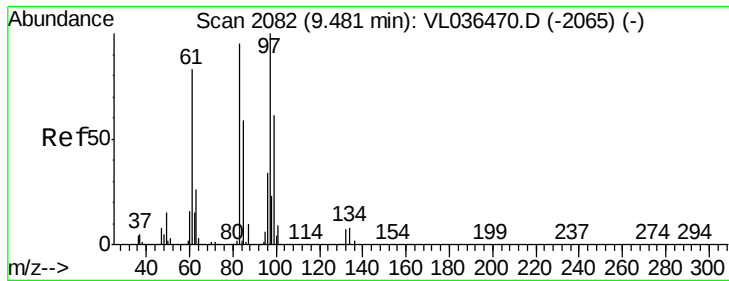


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



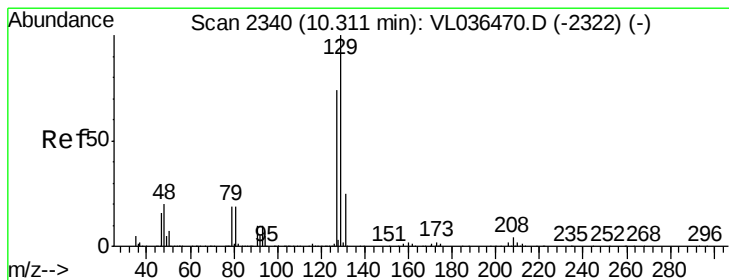
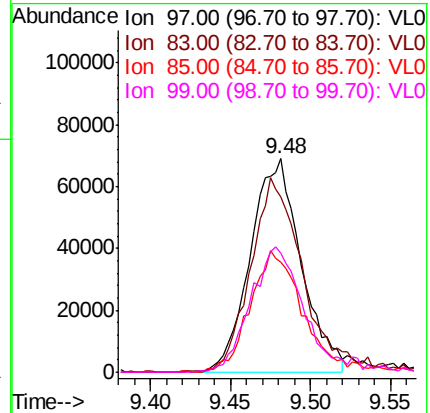
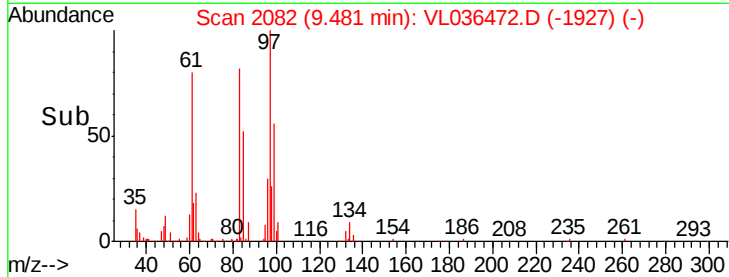
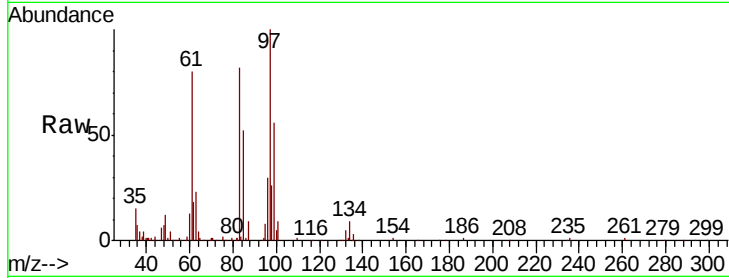


#47
 1,1,2-Trichloroethane
 Concen: 1.179 ppbv
 RT: 9.48 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 25 Mar 2021 3:20

Tot Ion:
 Ion Ratio
 97 100
 83 81.
 85 51.
 99 55.7 49.2 73.8

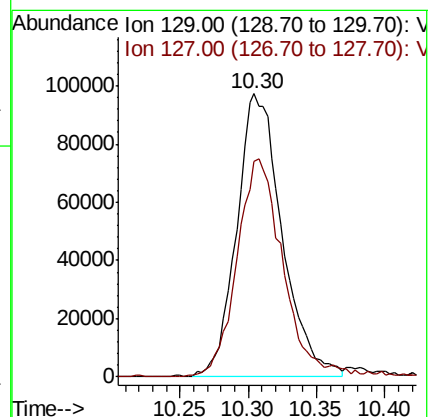
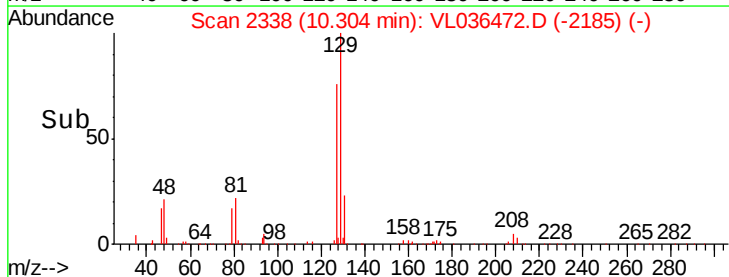
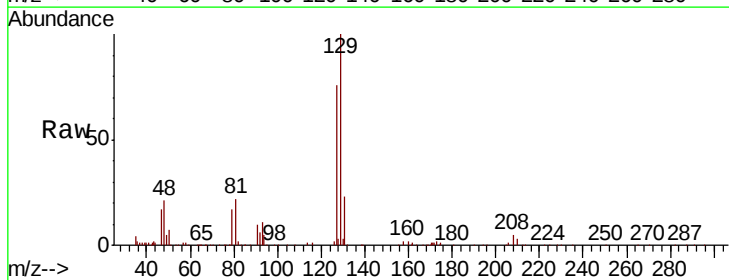
Manual Integrations
 APPROVED

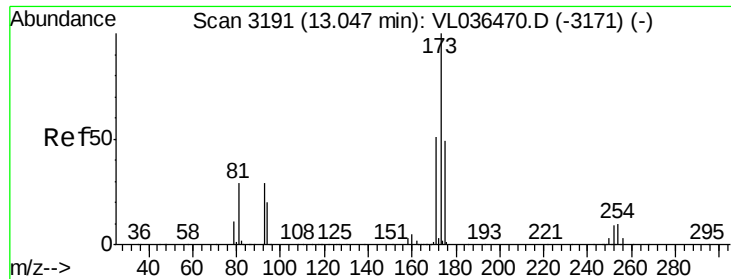
Reviewed By :Semsettin Yesilyurt 03/26/2021
 Supervised By :Mahesh Dadoda 03/29/2021



#48
 Dibromochloromethane
 Concen: 1.161 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T.: -0.01 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

Tgt Ion:129 Resp: 224702
 Ion Ratio Lower Upper
 129 100
 127 79.6 39.6 118.8





#49

Bromoform

Concen: 1.099 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 3:20

Tot Ion:1

Ion Rati

173 100

175 50.

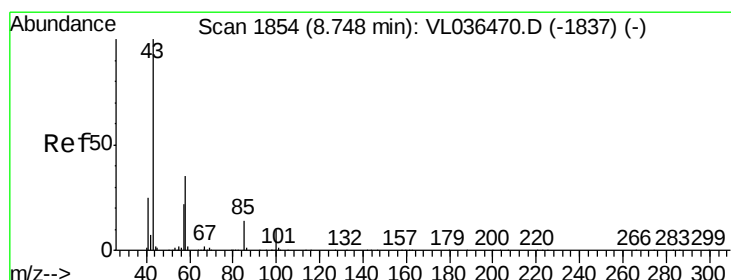
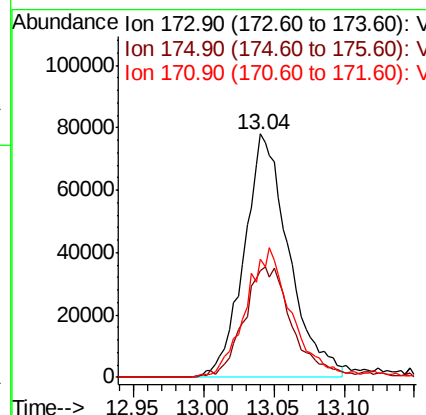
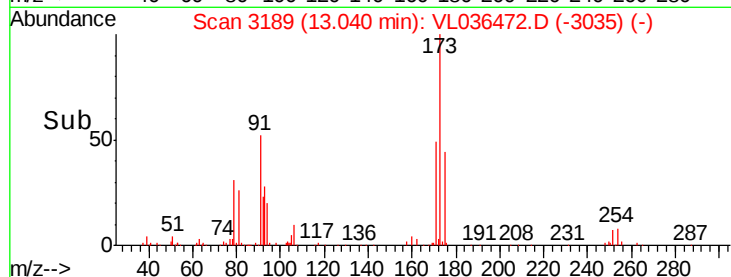
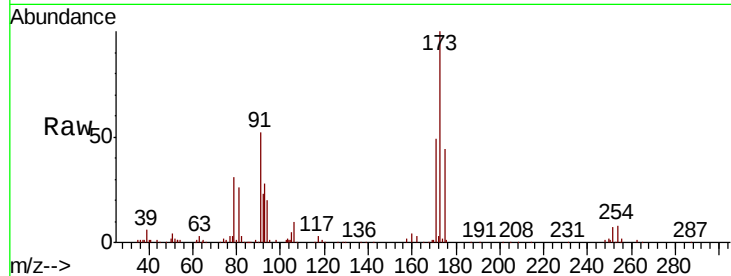
171 54.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



#50

4-Methyl-2-Pentanone

Concen: 0.828 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.01 min

Lab File: VL036472.D

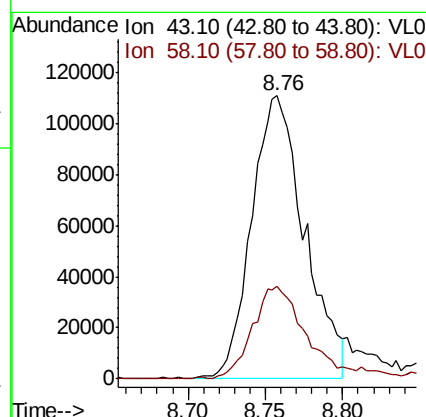
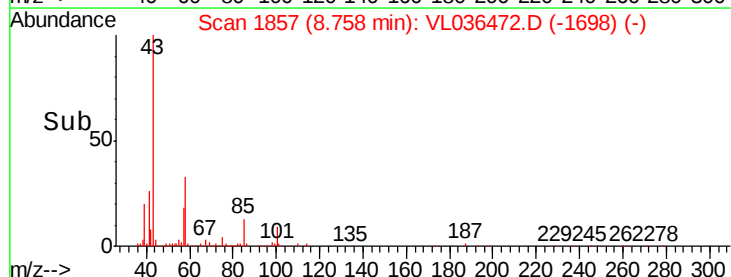
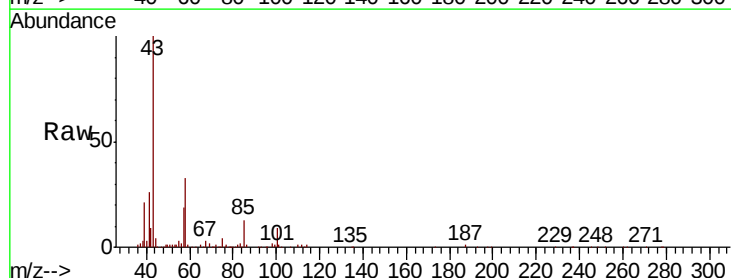
Acq: 25 Mar 2021 3:20

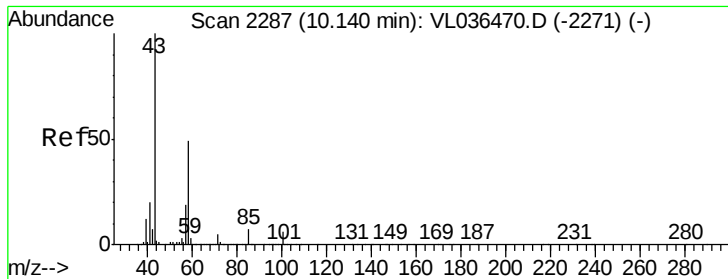
Tgt Ion: 43 Resp: 263886

Ion Ratio Lower Upper

43 100

58 35.3 28.1 42.1





#51

2-Hexanone

Concen: 0.522 ppbv

RT: 10.15

Delta R.T. MSVOA_L

Lab File: ClientSampled :

Acq: 25 Mar 2021 3:20

Tot Ion:

Ion Ratio

43 100

58 46.

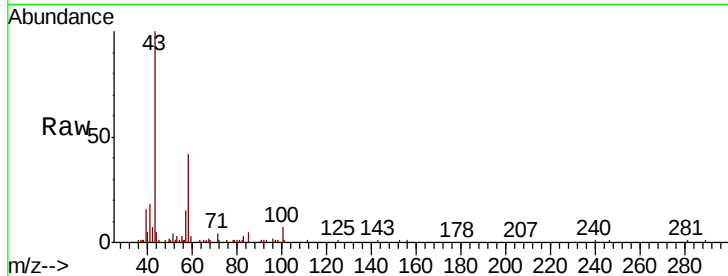
98 1.

Manual Integrations

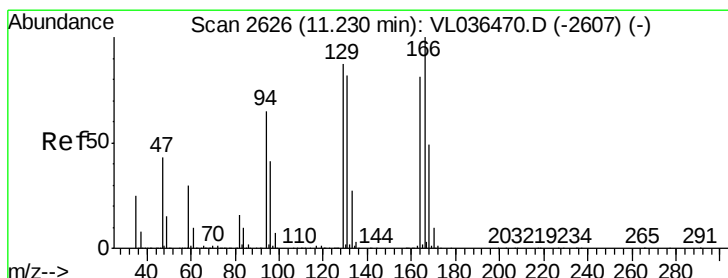
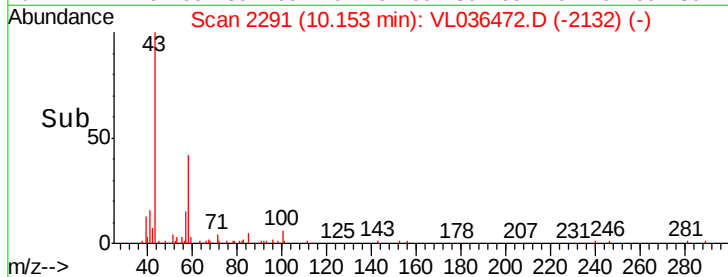
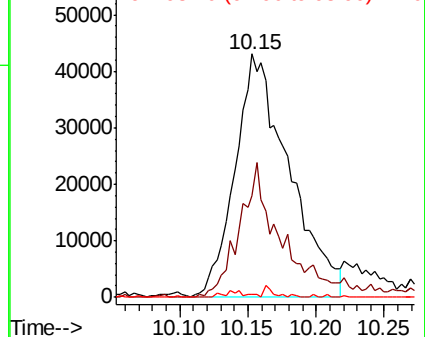
APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 1.197 ppbv m

RT: 11.23 min Scan# 2625

Delta R.T. -0.00 min

Lab File: VL036472.D

Acq: 25 Mar 2021 3:20

Tgt Ion:164 Resp: 134645

Ion Ratio Lower Upper

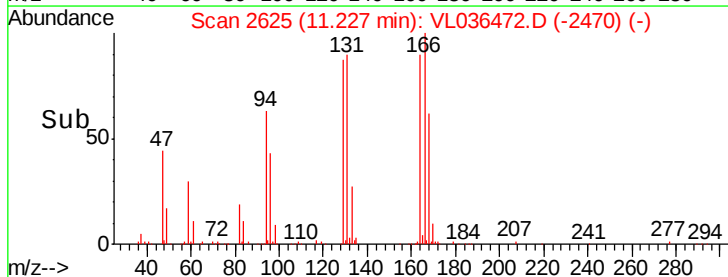
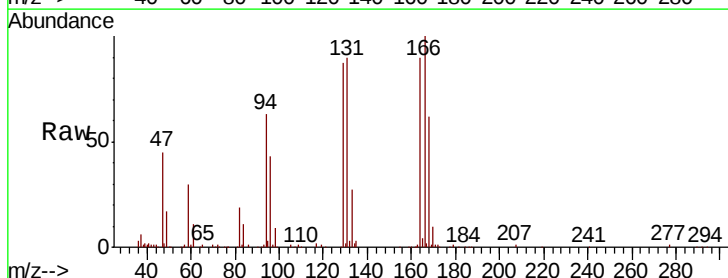
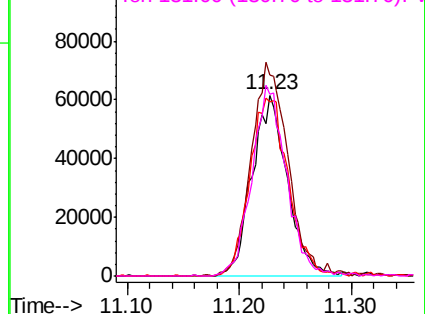
164 100

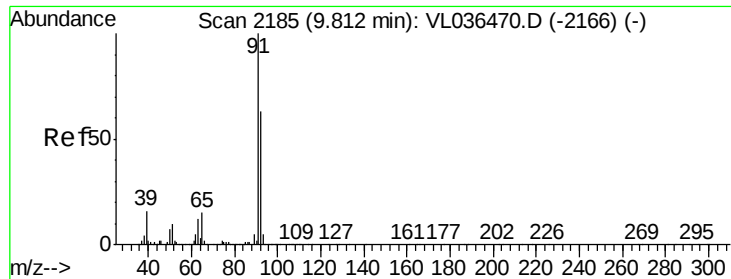
166 111.4 98.3 147.5

129 96.6 85.8 128.8

131 100.4 80.9 121.3

Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 1.213 ppbv

RT: 9.81 Instrument :

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 25 Mar 2021 3:20 VSTDIC001

Tot Ion:

Ion Ratio

91 100

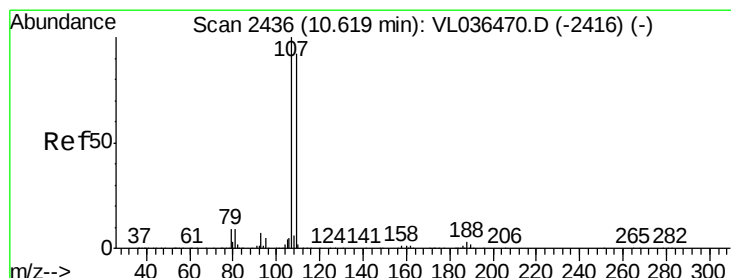
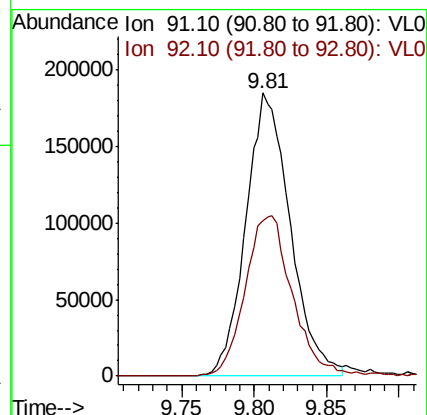
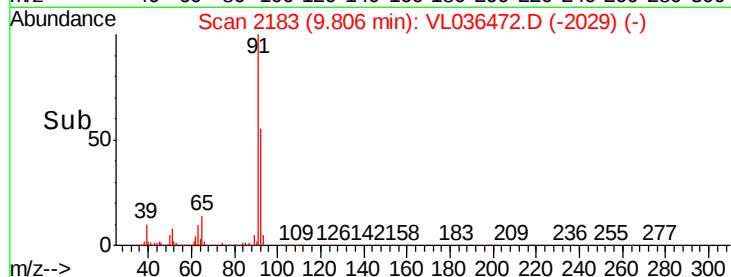
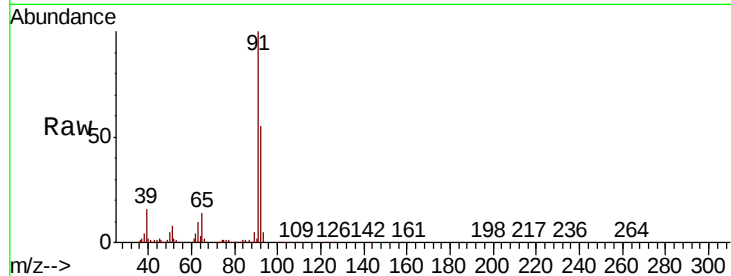
92 61.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



#54

1,2-Dibromoethane

Concen: 1.194 ppbv m

RT: 10.61 min Scan# 2434

Delta R.T. -0.01 min

Lab File: VL036472.D

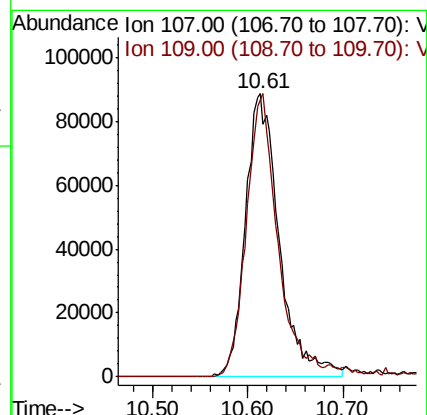
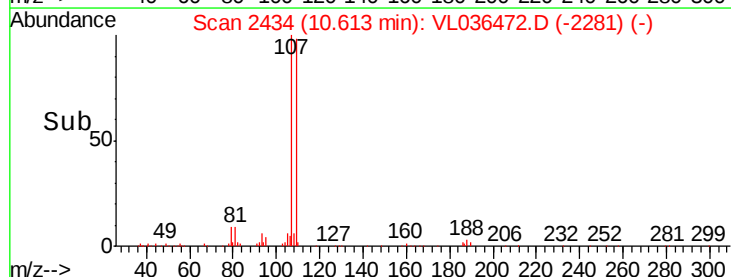
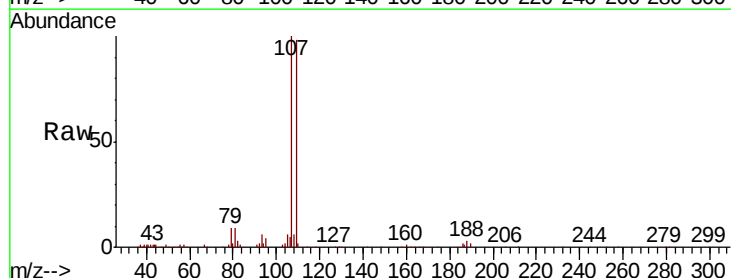
Acq: 25 Mar 2021 3:20

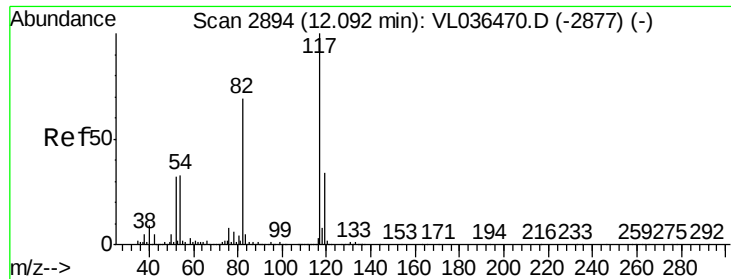
Tgt Ion:107 Resp: 218861

Ion Ratio Lower Upper

107 100

109 97.8 73.9 110.9



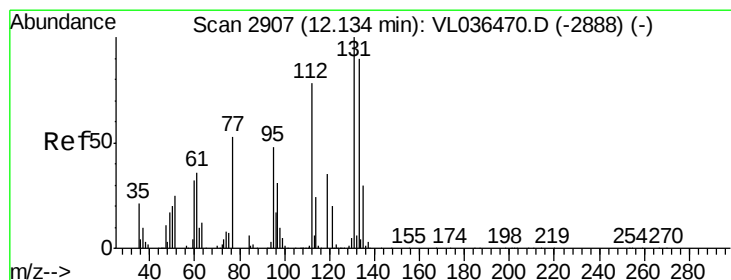
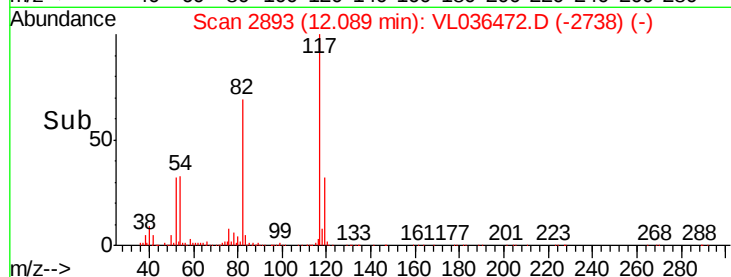
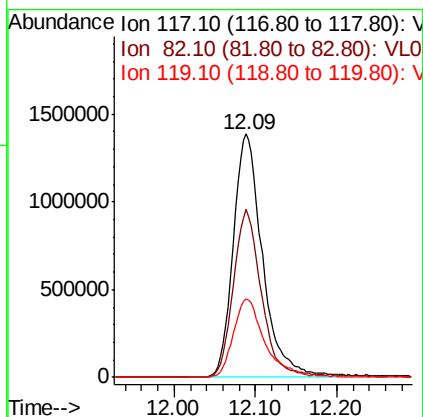
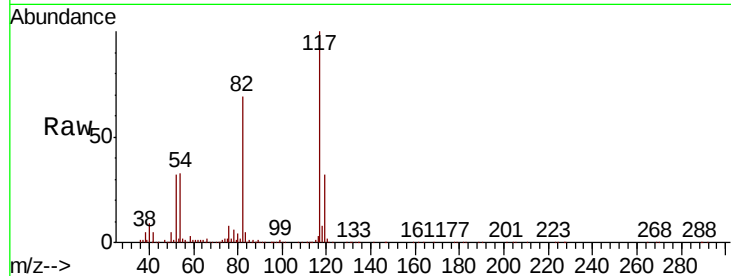


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC001
Acq: 25 Mar 2021 3:20

Tot Ion:1
Ion Rati
117 100
82 67.
119 35.

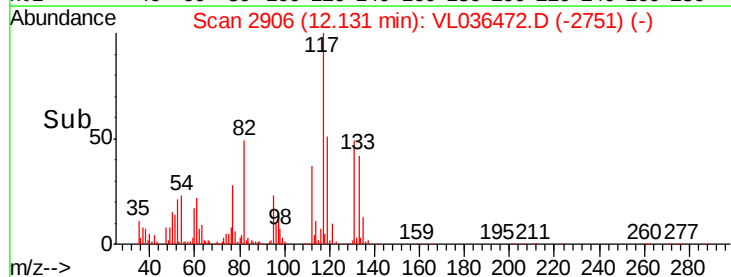
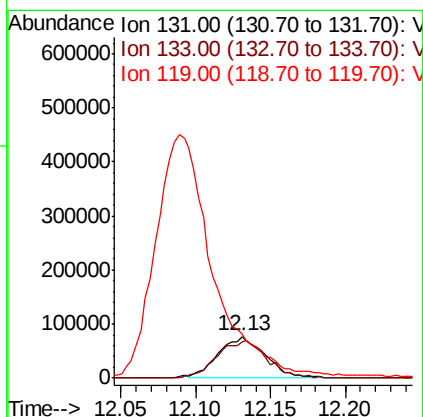
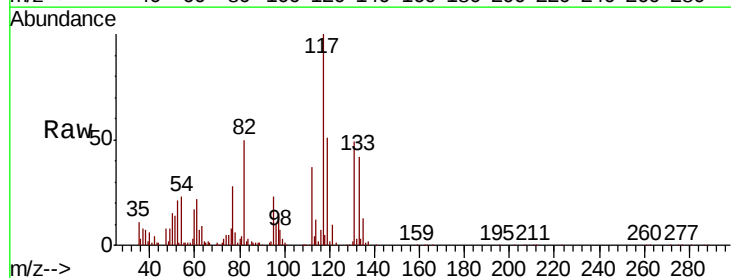
Manual Integrations
APPROVED

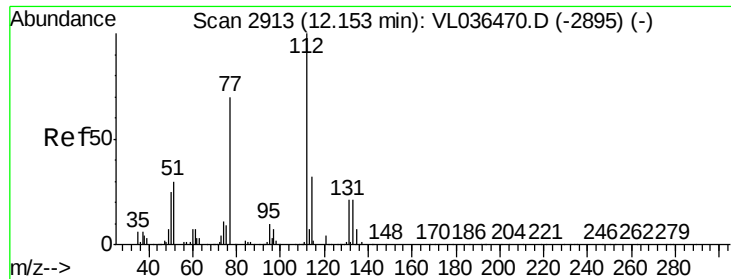
Reviewed By :Semsettin Yesilyurt 03/26/2021
Supervised By :Mahesh Dadoda 03/29/2021



#56
1,1,1,2-Tetrachloroethane
Concen: 1.070 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL036472.D
Acq: 25 Mar 2021 3:20

Tgt Ion:131 Resp: 166299
Ion Ratio Lower Upper
131 100
133 97.2 76.0 114.0
119 0.0 44.9 67.3#





#57

Chlorobenzene

Concen: 1.265 ppbv

RT: 12.15

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 3:20

Tot Ion:1

Ion Rati

112 100

77 67.

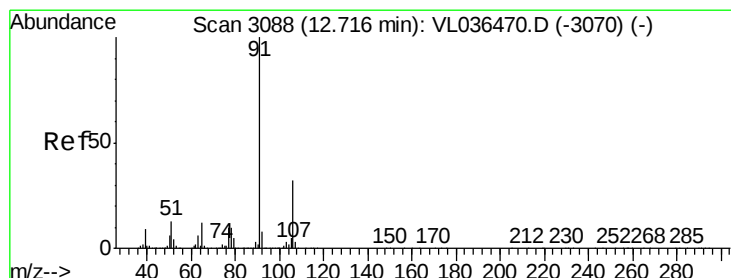
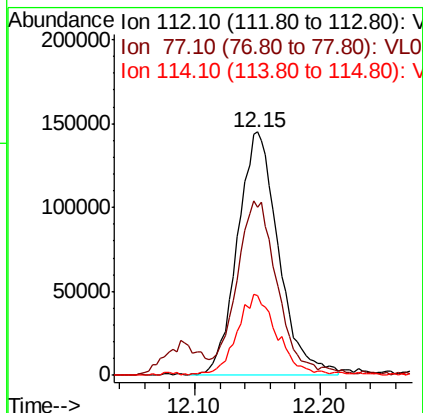
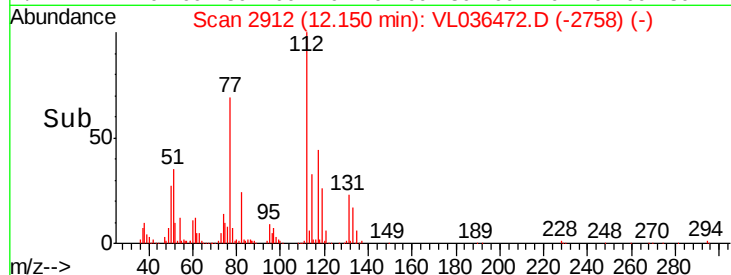
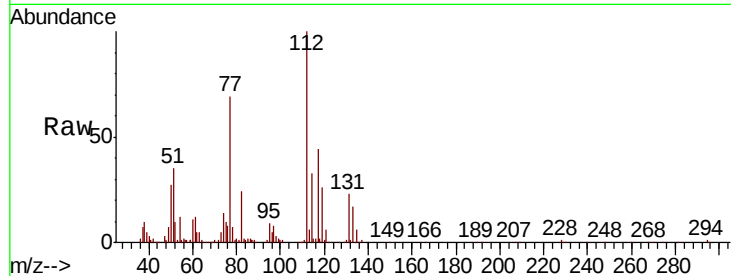
114 32.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



#58

Ethyl Benzene

Concen: 1.219 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VL036472.D

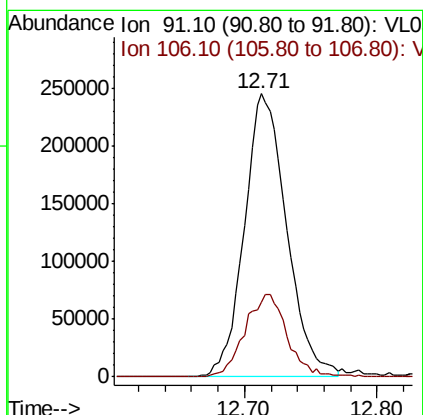
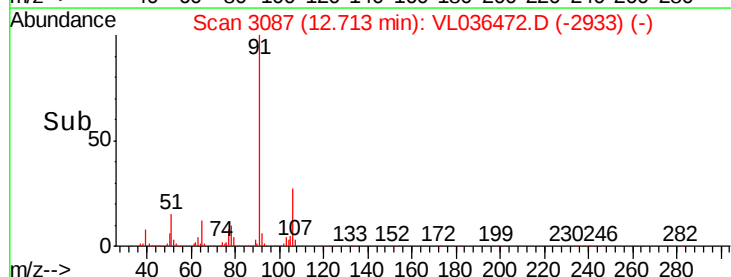
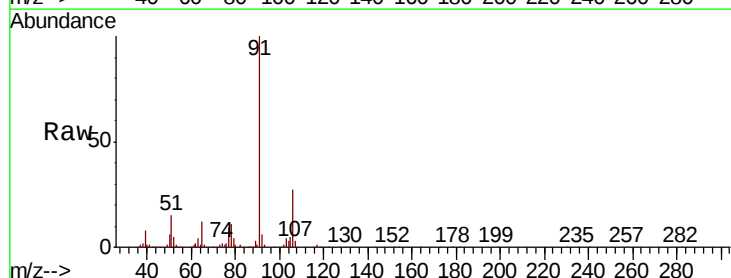
Acq: 25 Mar 2021 3:20

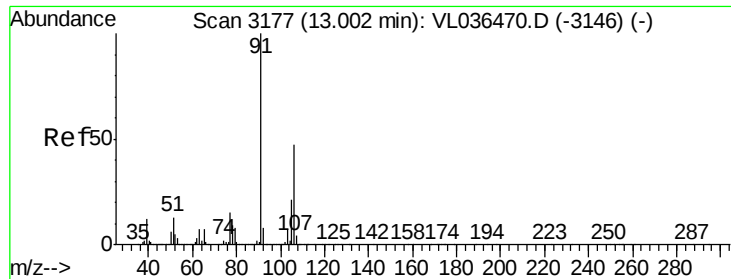
Tgt Ion: 91 Resp: 543929

Ion Ratio Lower Upper

91 100

106 26.5 25.3 37.9



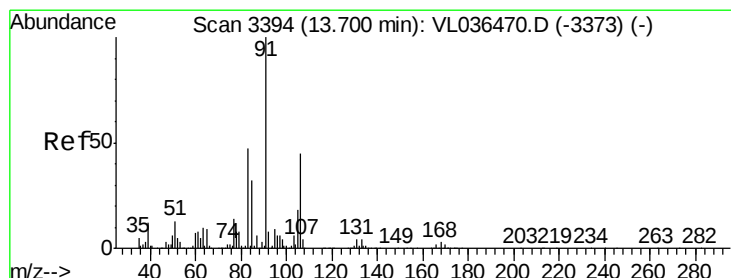
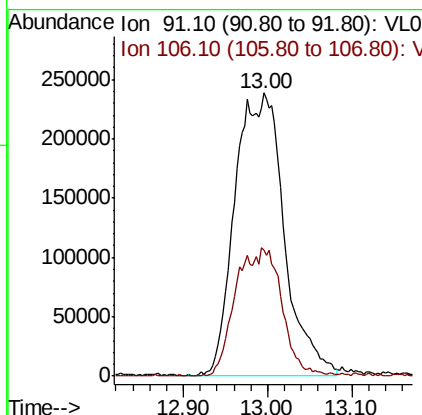
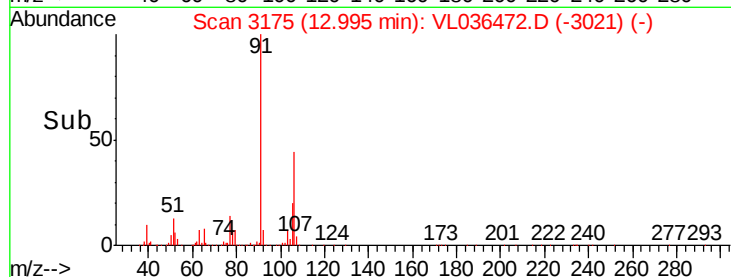
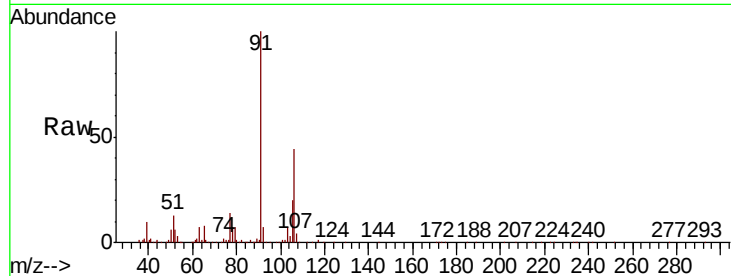


#59
m/p-Xylene
Concen: 2.471 ppbv m
RT: 13.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 3:20

Tot Ion:
Ion Ratio
91 100
106 42.

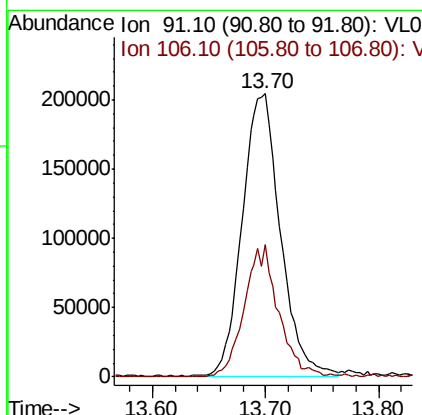
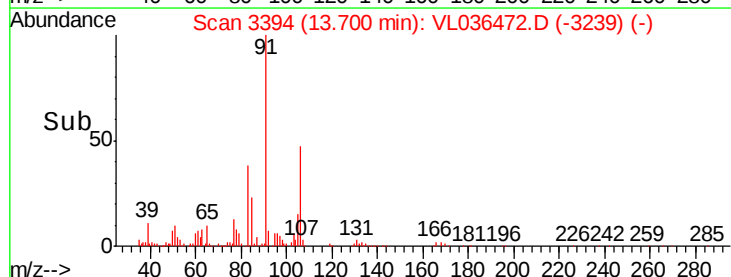
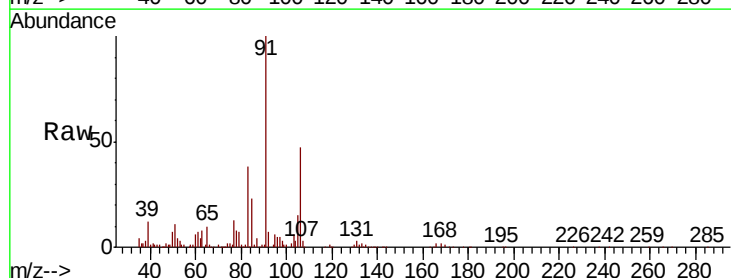
Manual Integrations
APPROVED

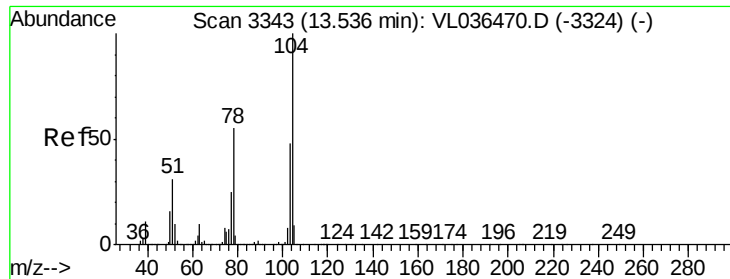
Reviewed By :Semsettin Yesilyurt 03/26/2021
Supervised By :Mahesh Dadoda 03/29/2021



#60
o-Xylene
Concen: 1.271 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL036472.D
Acq: 25 Mar 2021 3:20

Tgt Ion: 91 Resp: 478538
Ion Ratio Lower Upper
91 100
106 41.9 22.3 66.9



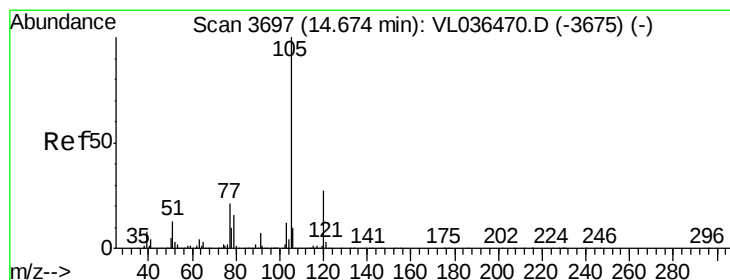
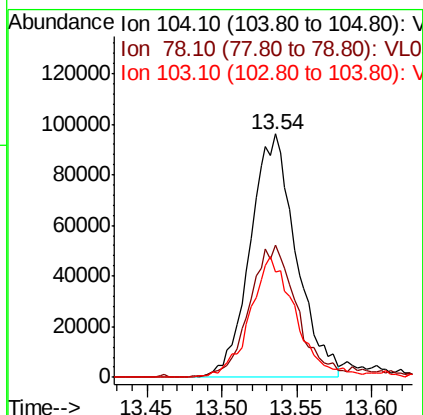
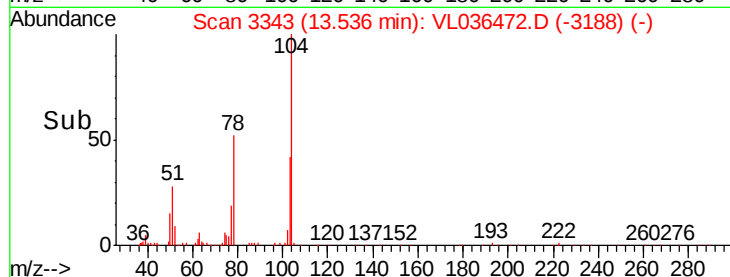
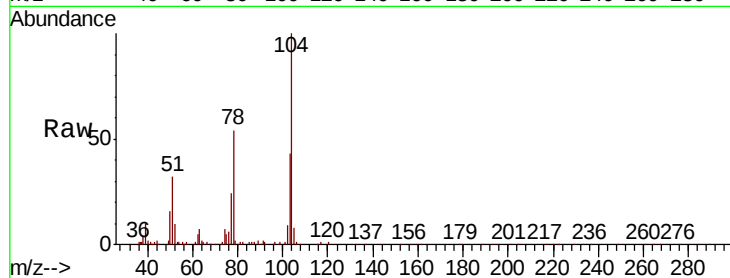


#61
Stvrene
Concen: 0.925 ppbv
RT: 13.54
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 3:20

Manual Integrations
APPROVED

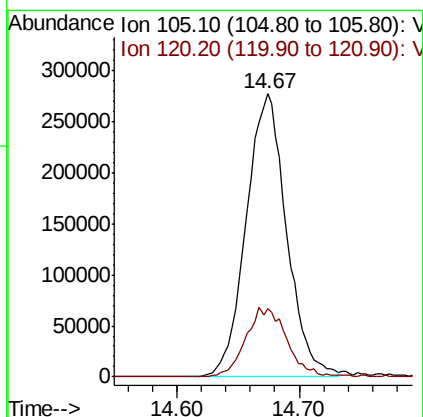
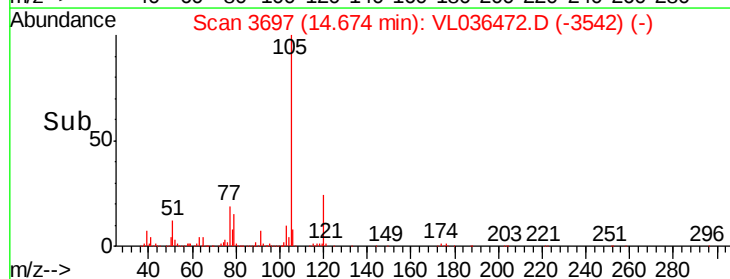
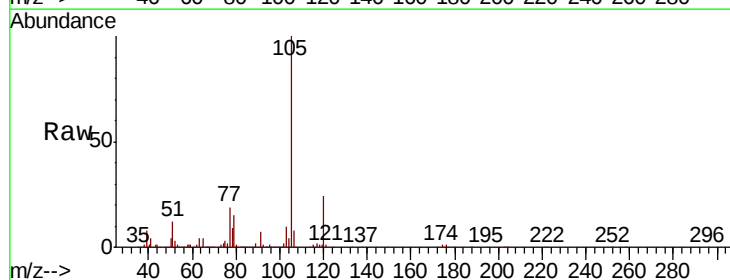
Reviewed By :Semsettin Yesilyurt 03/26/2021
Supervised By :Mahesh Dadoda 03/29/2021

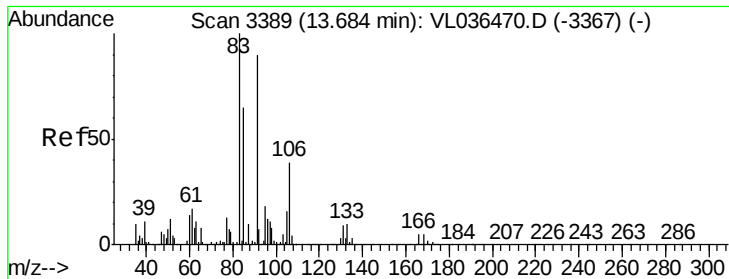
Tot Ion:1
Ion Rati
104 100
78 59.
103 50.



#62
Isopropylbenzene
Concen: 1.138 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. -0.00 min
Lab File: VL036472.D
Acq: 25 Mar 2021 3:20

Tgt Ion:105 Resp: 634485
Ion Ratio Lower Upper
105 100
120 25.4 20.6 31.0



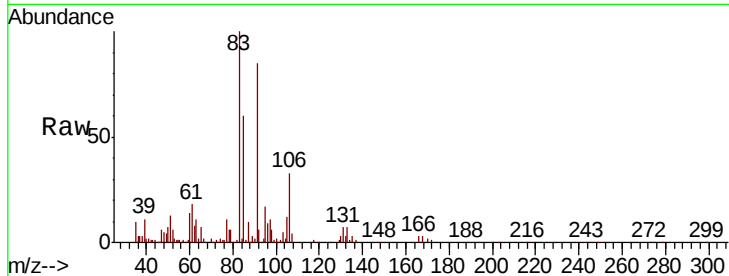


#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.182 ppbv m
 RT: 13.68
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 3:20

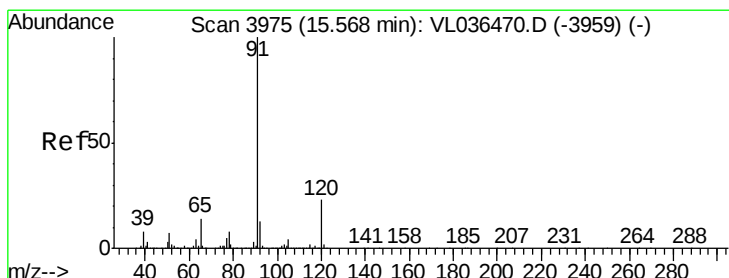
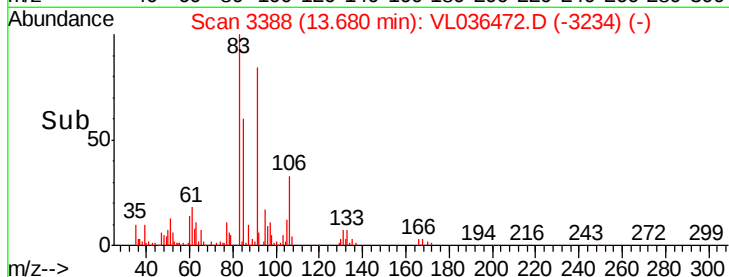
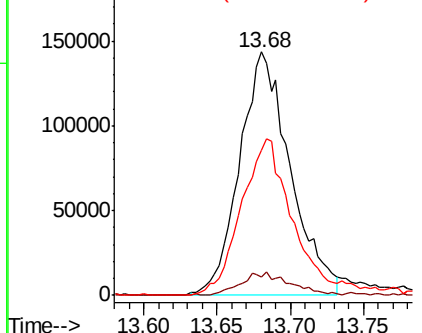
Tot Ion:
 Ion Ratio
 83 100
 131 9.
 85 68.

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021
 Supervised By :Mahesh Dadoda 03/29/2021

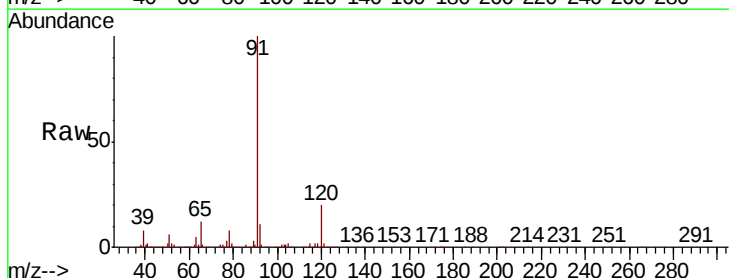


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VL0

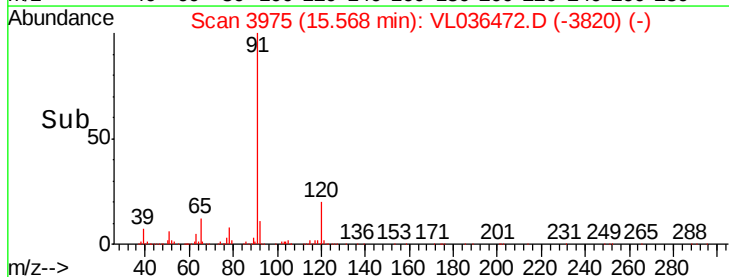
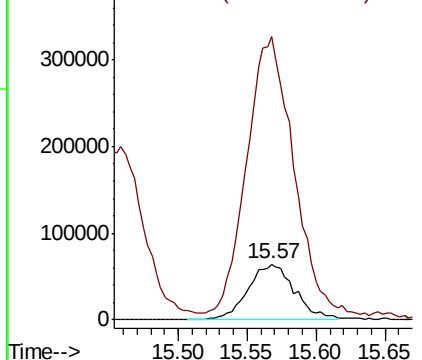


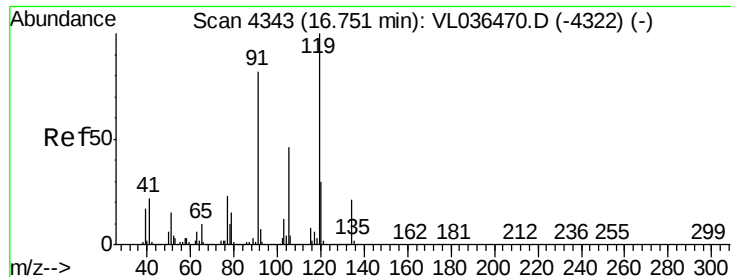
#64
 n-propylbenzene
 Concen: 1.088 ppbv m
 RT: 15.57 min Scan# 3975
 Delta R.T. -0.00 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

Tgt Ion:120 Resp: 151037
 Ion Ratio Lower Upper
 120 100
 91 534.9 377.8 566.6



Abundance Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 1.138 ppbv

RT: 16.75

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 3:20

Tot Ion:1

Ion Ratio

119 100

91 91.

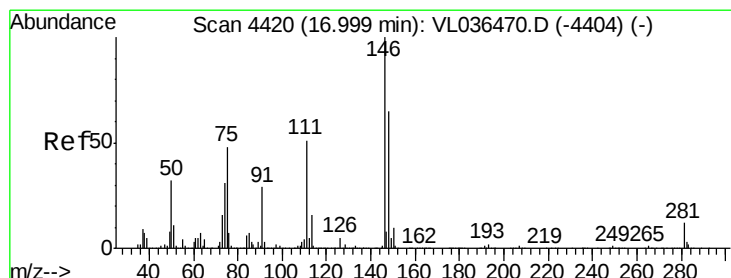
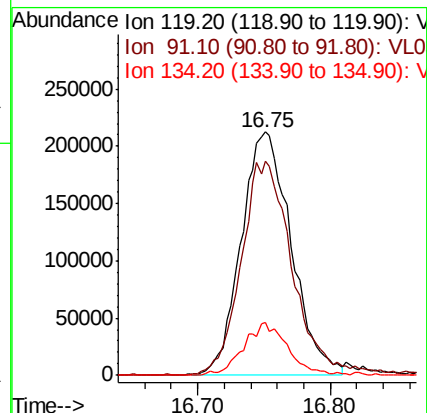
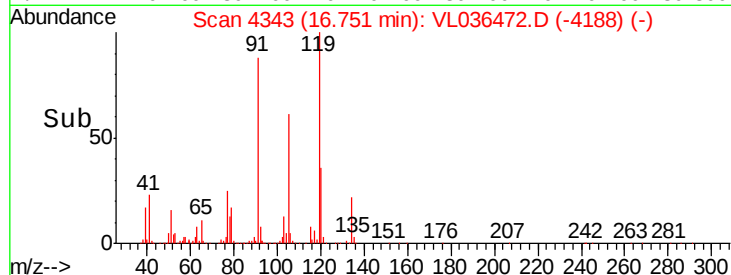
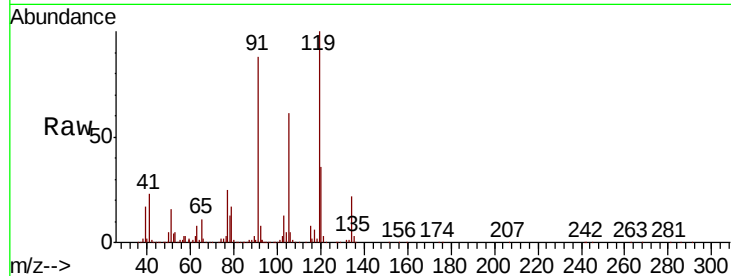
134 19.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



#66

Benzyl Chloride

Concen: 0.440 ppbv m

RT: 16.99 min Scan# 4418

Delta R.T. -0.01 min

Lab File: VL036472.D

Acq: 25 Mar 2021 3:20

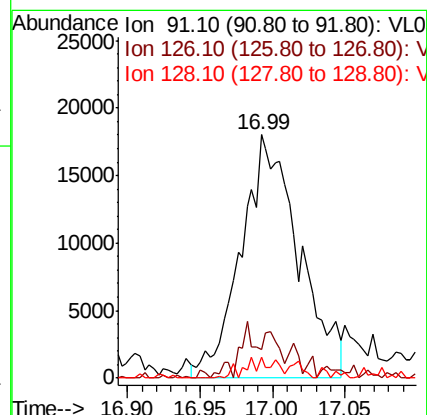
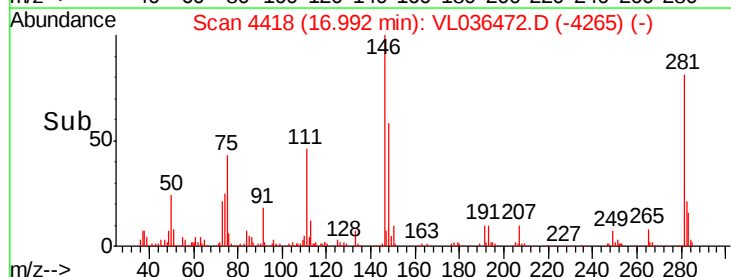
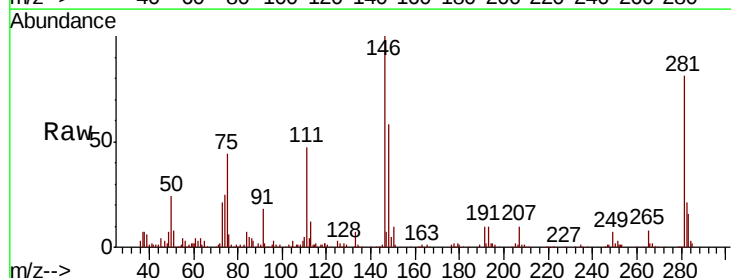
Tgt Ion: 91 Resp: 49862

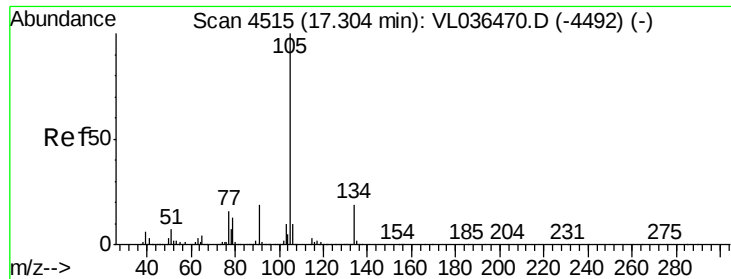
Ion Ratio Lower Upper

91 100

126 0.0 13.5 20.3#

128 0.0 4.2 6.2#





#67

sec-Butylbenzene

Concen: 1.172 ppbv

RT: 17.30

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 3:20

Tot Ion:1

Ion Ratio

105 100

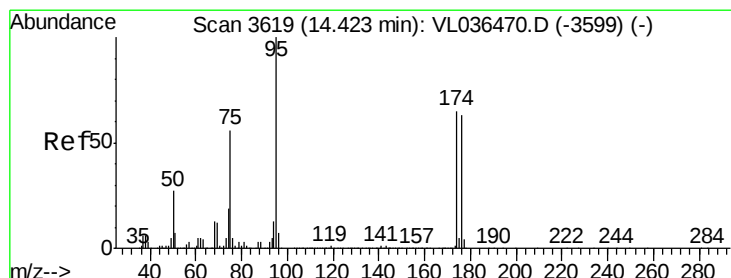
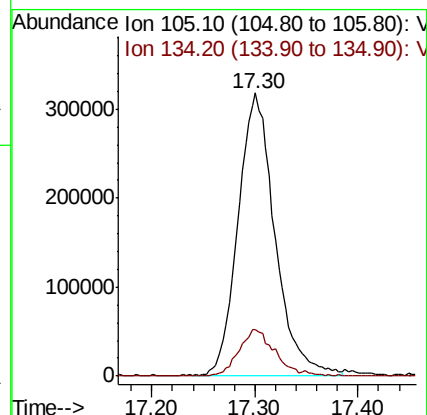
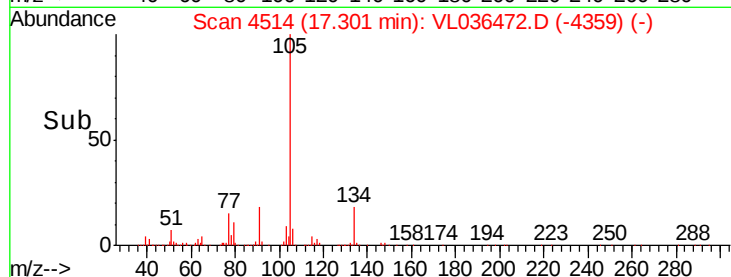
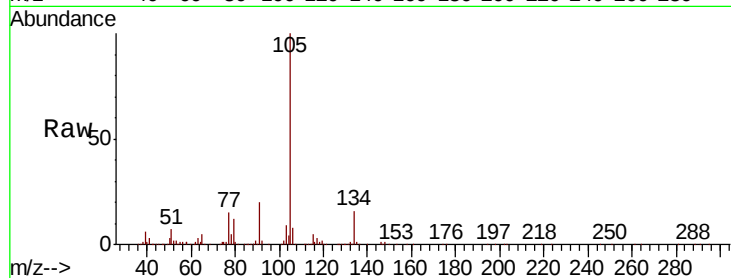
134 16.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



#68

1-Bromo-4-Fluorobenzene

Concen: 9.425 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.00 min

Lab File: VL036472.D

Acq: 25 Mar 2021 3:20

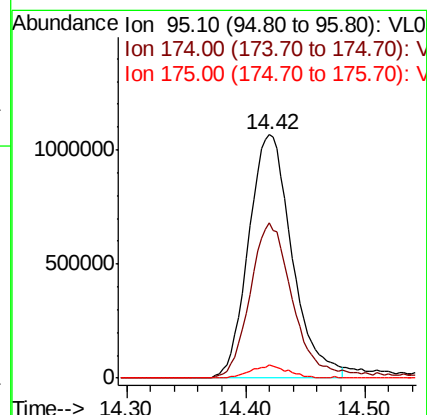
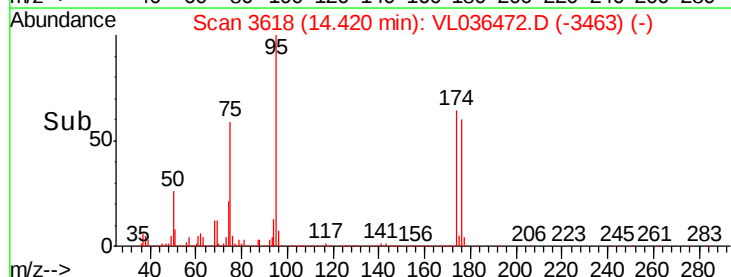
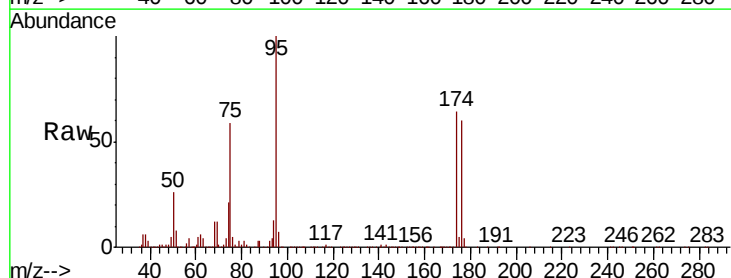
Tgt Ion: 95 Resp: 2693812

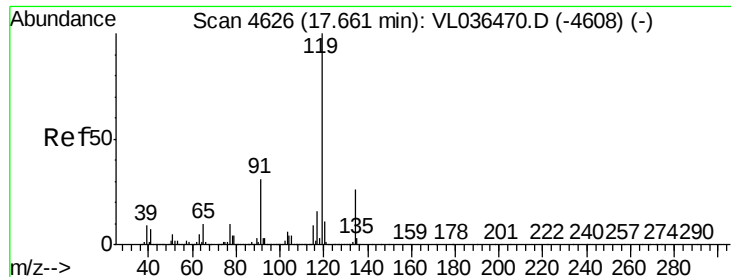
Ion Ratio Lower Upper

95 100

174 64.9 51.0 76.6

175 4.9 3.9 5.9



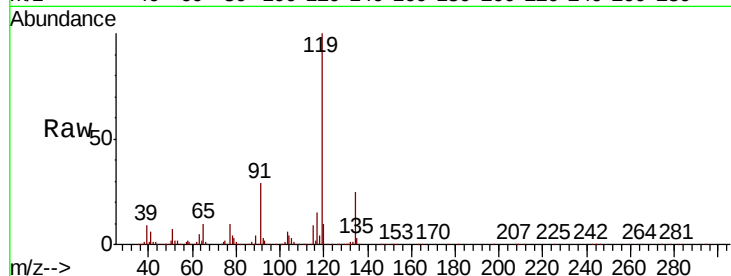


#69
 p-Isopropyltoluene
 Concen: 1.105 ppbv
 RT: 17.66 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId : VSTDIC001
 Acq: 25 Mar 2021 3:20

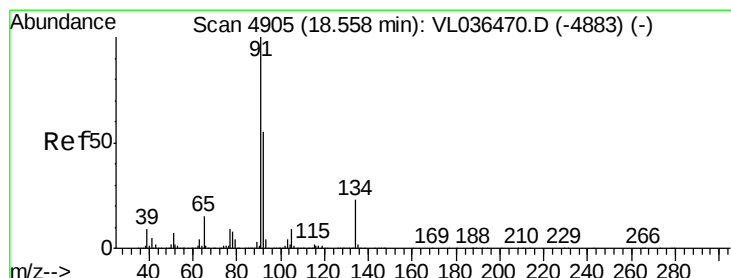
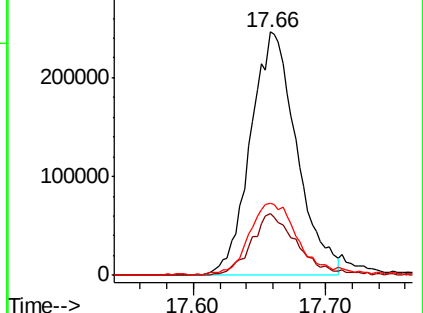
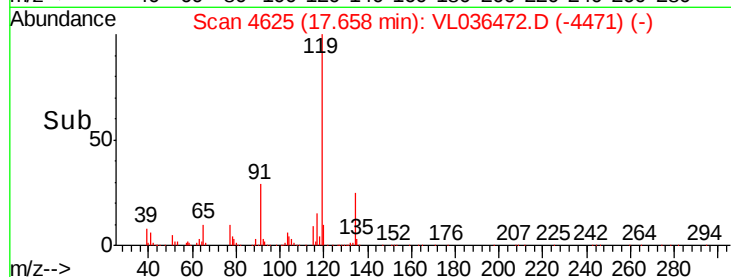
Tot Ion: 1
 Ion Ratio
 119 100
 134 25.
 91 32.

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/26/2021
 Supervised By : Mahesh Dadoda 03/29/2021

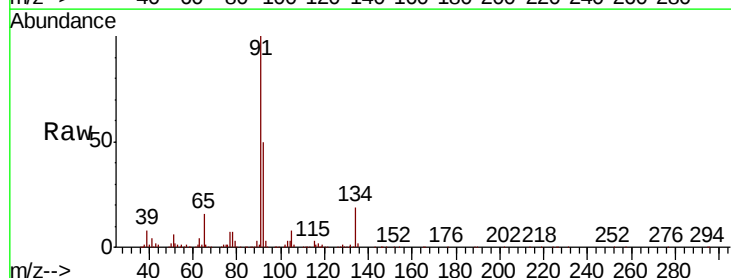


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

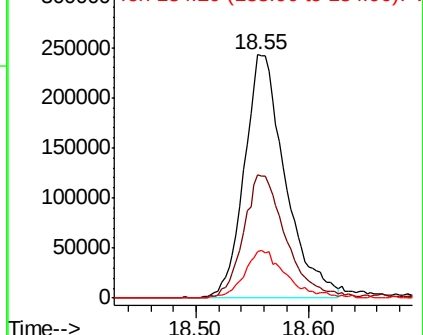
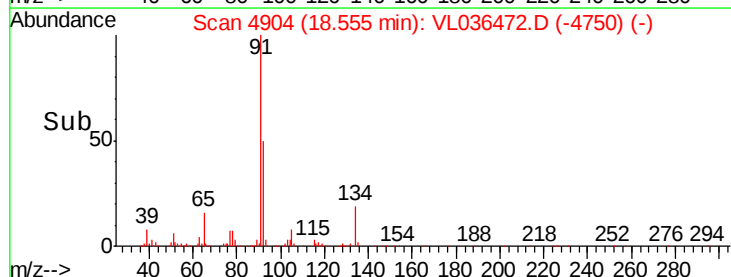


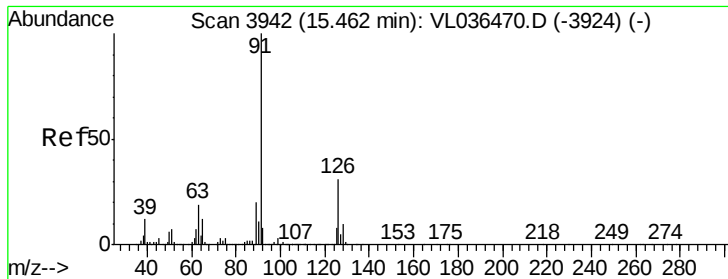
#70
 n-Butylbenzene
 Concen: 1.094 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T.: -0.00 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

Tgt Ion: 91 Resp: 611295
 Ion Ratio Lower Upper
 91 100
 92 53.4 43.8 65.8
 134 20.6 18.0 27.0



Abundance Ion 91.10 (90.80 to 91.80): V
 Ion 92.10 (91.80 to 92.80): V
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 1.120 ppbv

RT: 15.46

Delta R.T. MSVOA_L

Lab File: ClientSampled:

Acq: 25 Mar 2021 3:20

Tot Ion:

Ion Ratio

91 100

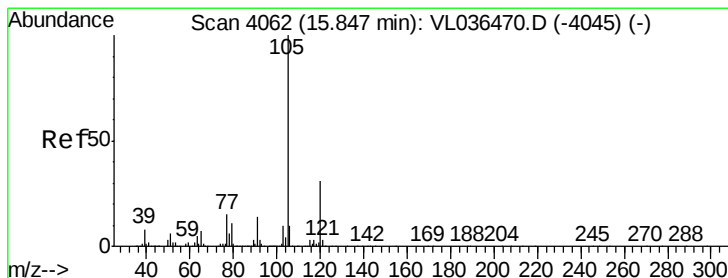
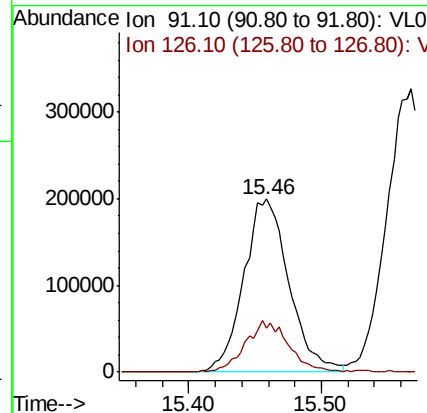
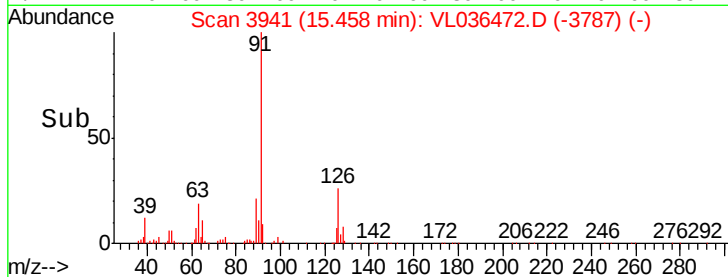
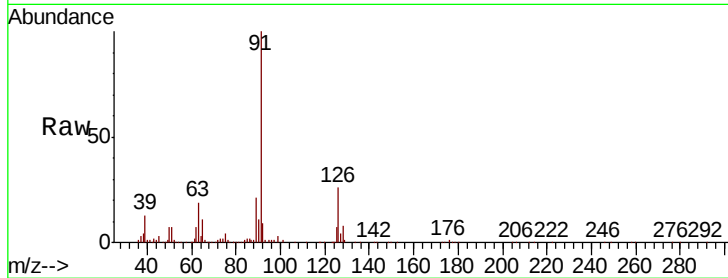
126 29.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



#72

4-Ethyltoluene

Concen: 1.222 ppbv m

RT: 15.85 min Scan# 4062

Delta R.T. -0.00 min

Lab File: VL036472.D

Acq: 25 Mar 2021 3:20

Tgt Ion:105 Resp: 500996

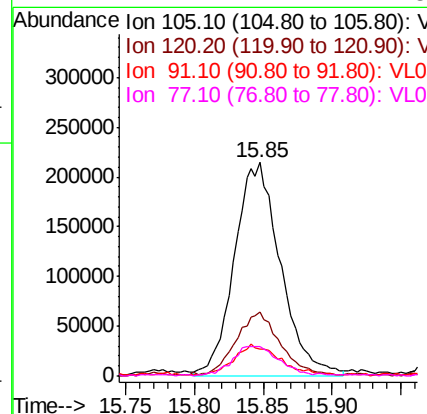
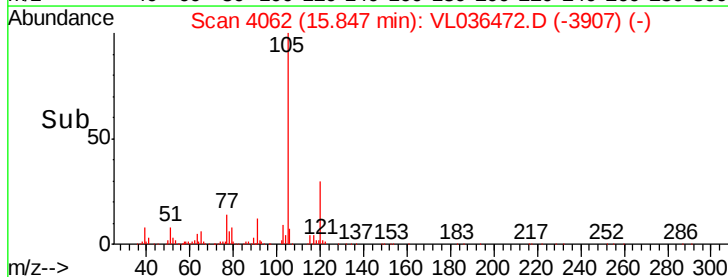
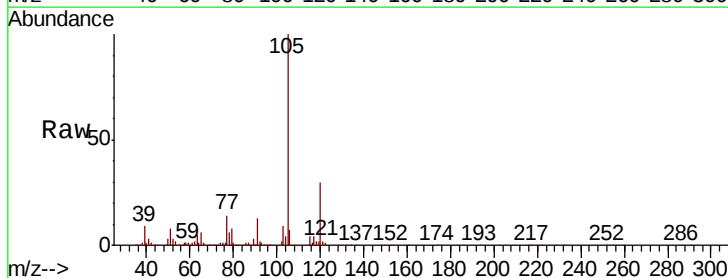
Ion Ratio Lower Upper

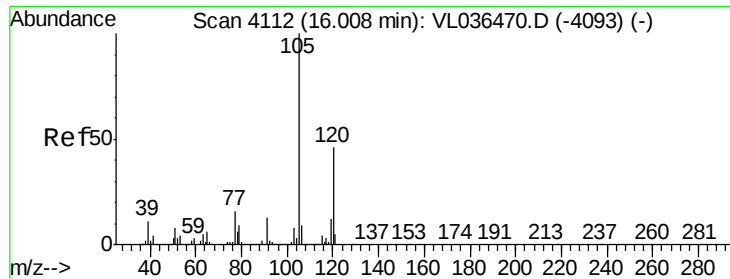
105 100

120 28.8 24.0 36.0

91 0.0 11.0 16.4#

77 14.7 11.7 17.5



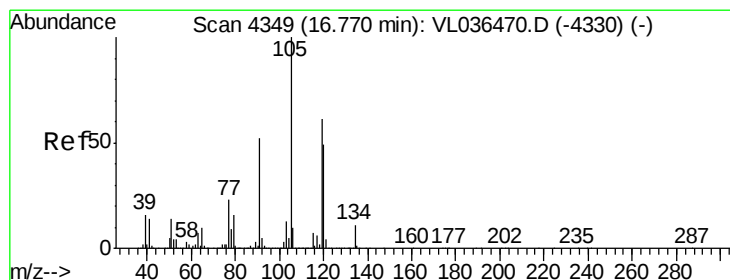
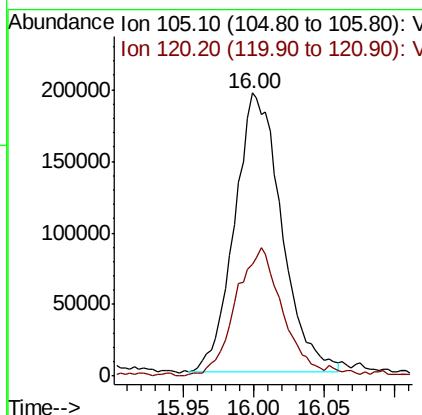
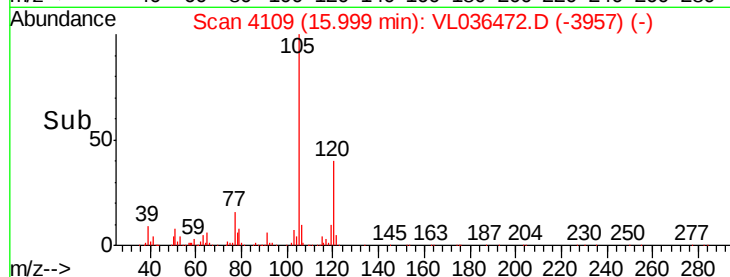
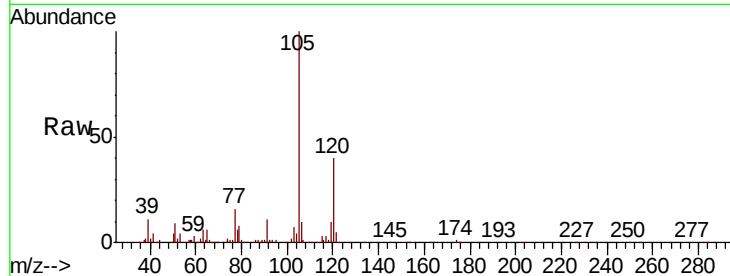


#73
 1,3,5-Trimethylbenzene
 Concen: 1.150 ppbv
 RT: 16.00
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 25 Mar 2021 3:20

Tot Ion:1
 Ion Rati
 105 100
 120 39.

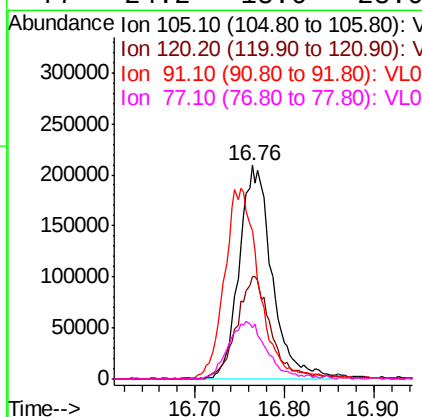
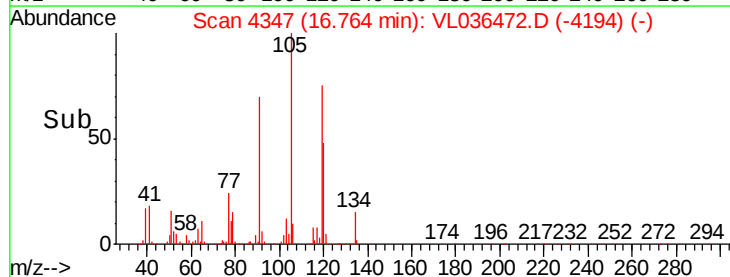
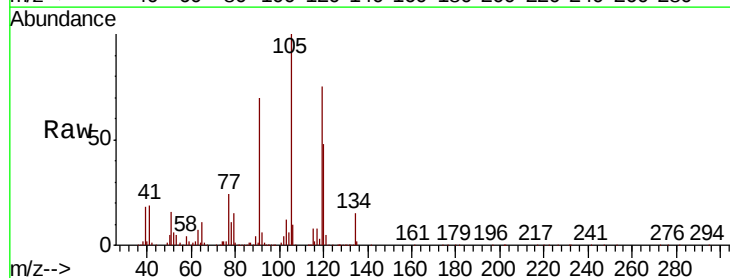
Manual Integrations
 APPROVED

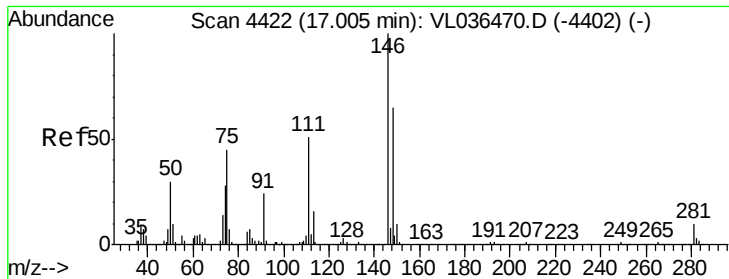
Reviewed By :Semsettin Yesilyurt 03/26/2021
 Supervised By :Mahesh Dadoda 03/29/2021



#74
 1,2,4-Trimethylbenzene
 Concen: 1.272 ppbv m
 RT: 16.76 min Scan# 4347
 Delta R.T. -0.01 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

Tgt Ion:105 Resp: 533146
 Ion Ratio Lower Upper
 105 100
 120 47.8 39.2 58.8
 91 69.7 42.6 64.0#
 77 24.2 18.6 28.0



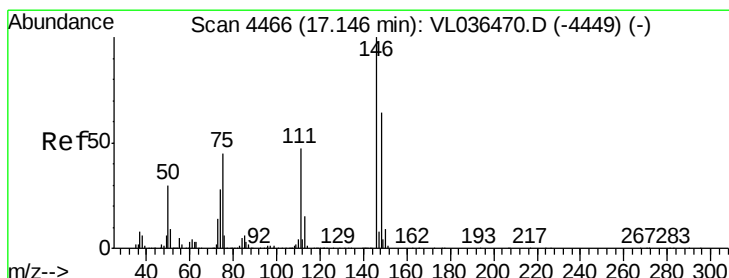
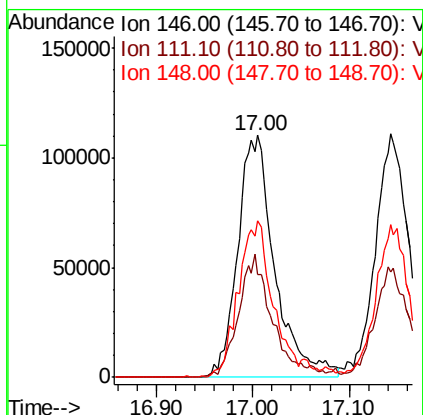
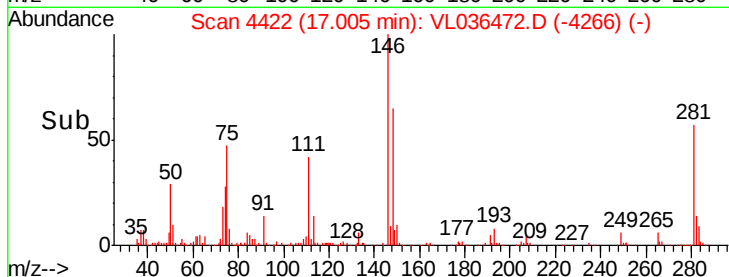
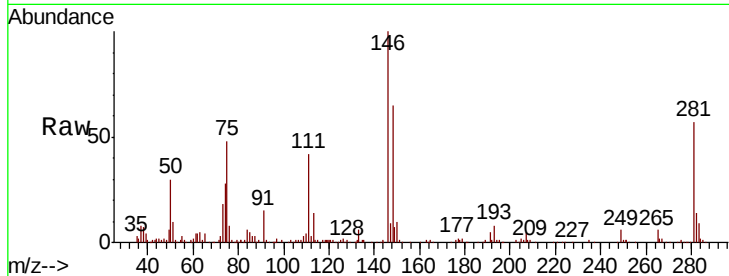


#75
 1,3-Dichlorobenzene
 Concen: 1.252 ppbv m
 RT: 17.00
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampled:
 VSTDIC001
 Acq: 25 Mar 2021 3:20

Tot Ion:1
 Ion Rati
 146 100
 111 0.
 148 0.

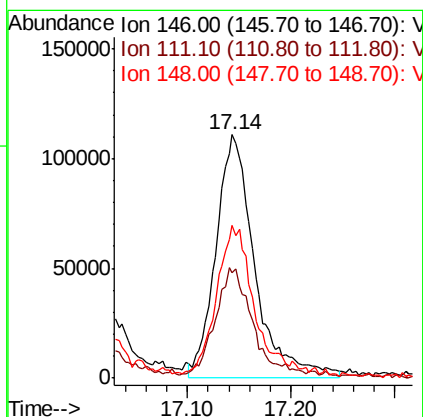
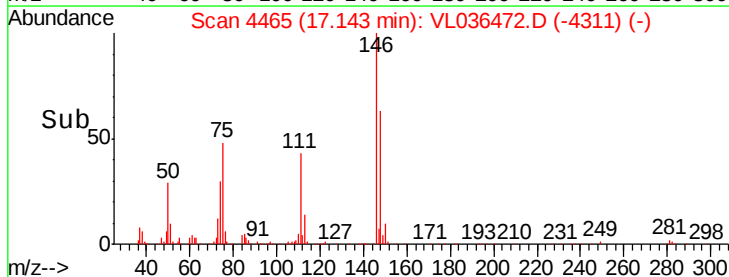
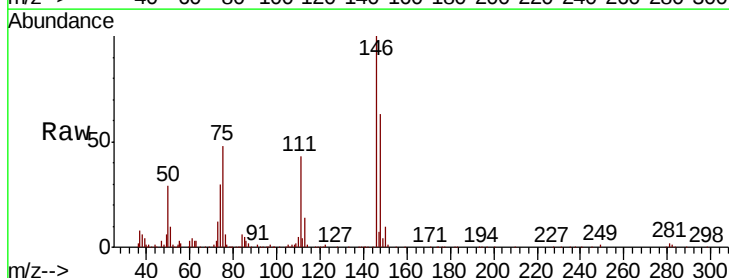
Manual Integrations
 APPROVED

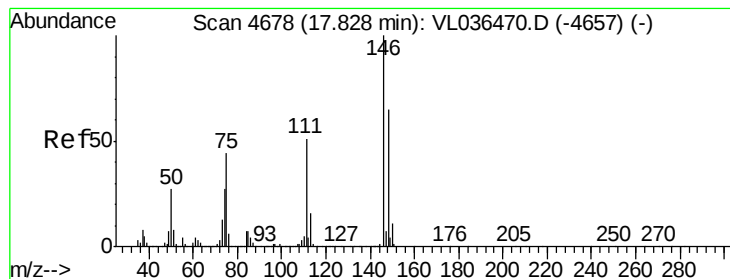
Reviewed By :Semsettin Yesilyurt 03/26/2021
 Supervised By :Mahesh Dadoda 03/29/2021



#76
 1,4-Dichlorobenzene
 Concen: 1.234 ppbv m
 RT: 17.14 min Scan# 4465
 Delta R.T. -0.00 min
 Lab File: VL036472.D
 Acq: 25 Mar 2021 3:20

Tgt Ion:146 Resp: 288999
 Ion Ratio Lower Upper
 146 100
 111 46.8 24.3 73.0
 148 63.8 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 1.115 ppbv

RT: 17.82 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 3:20

Tot Ion:1

Ion Ratio

146 100

111 52.

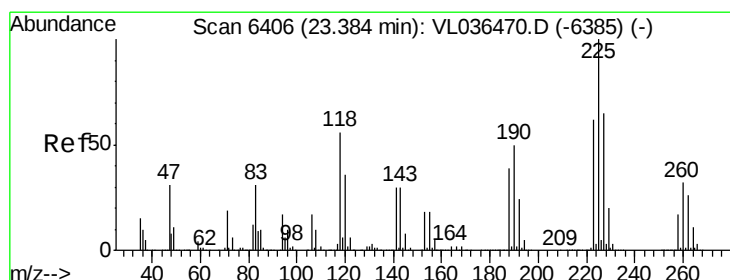
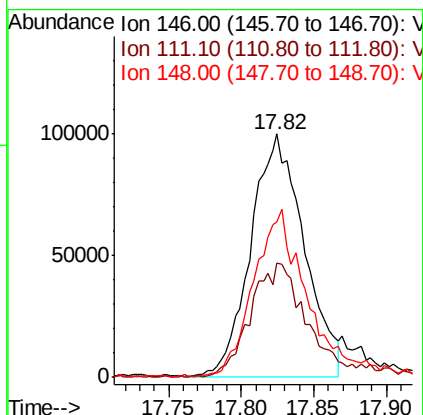
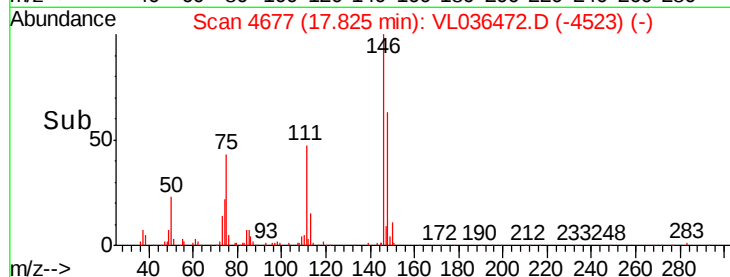
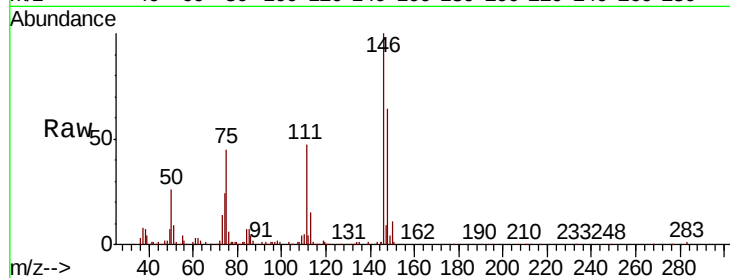
148 71.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



#78

Hexachloro-1,3-Butadiene

Concen: 1.374 ppbv m

RT: 23.39 min Scan# 6407

Delta R.T. 0.00 min

Lab File: VL036472.D

Acq: 25 Mar 2021 3:20

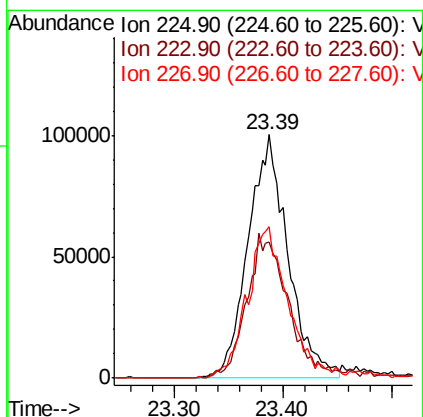
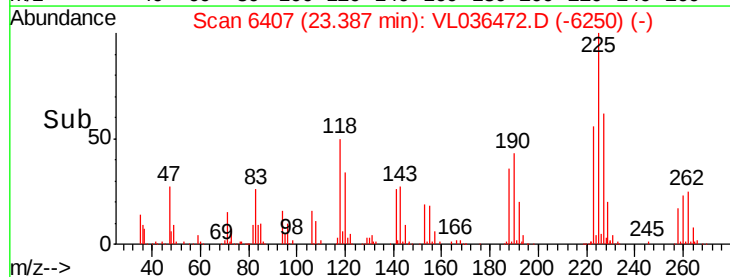
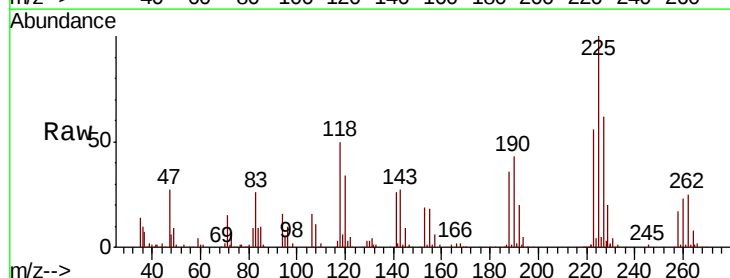
Tgt Ion:225 Resp: 254548

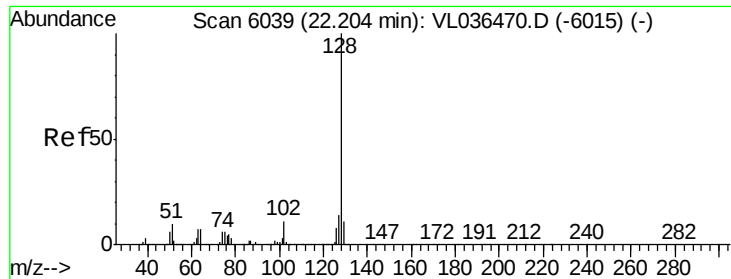
Ion Ratio Lower Upper

225 100

223 64.3 50.9 76.3

227 66.1 52.2 78.2



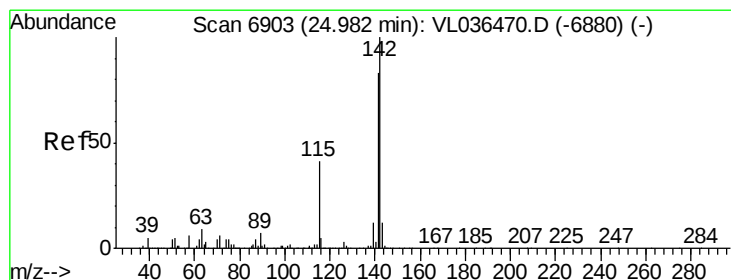
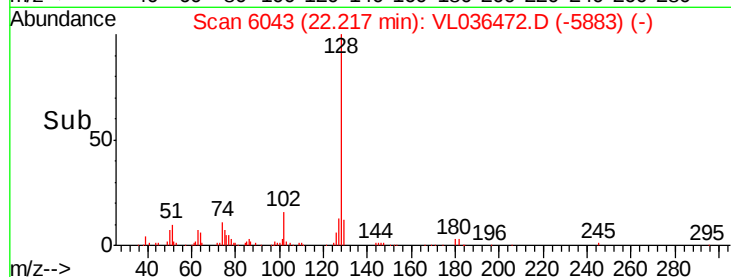
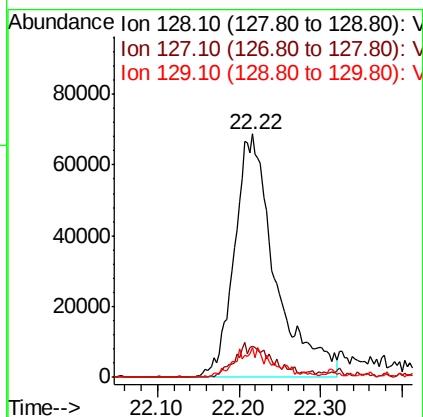
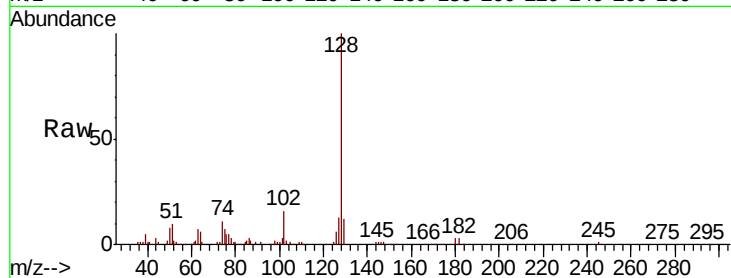


#79
Naphthalene
Concen: 0.953 ppbv m
RT: 22.22 min
Instrument: MSVOA_1
Delta R.T.: 0.02 min
Lab File: VSTDIC001
Acq: 25 Mar 2021 3:20

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

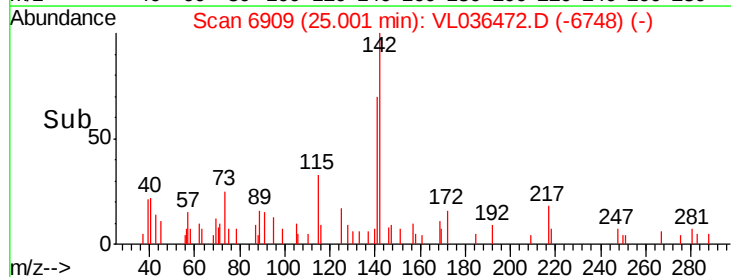
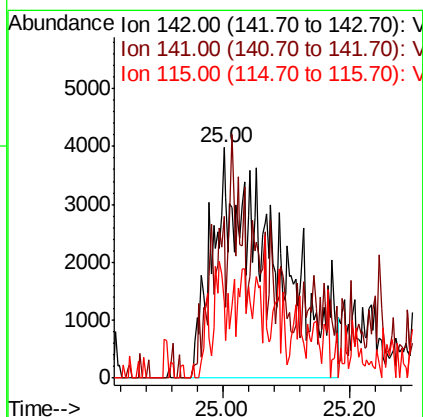
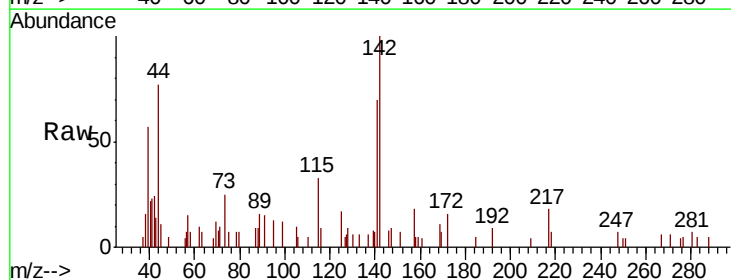
Manual Integrations
APPROVED

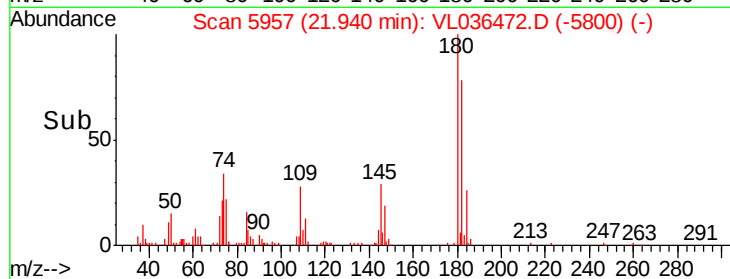
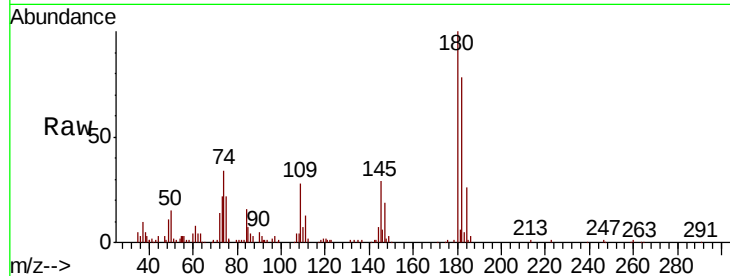
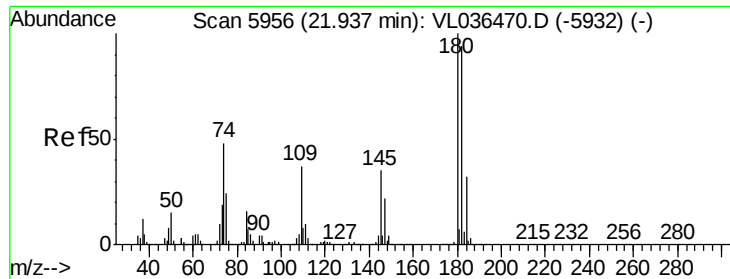
Reviewed By : Semsettin Yesilyurt 03/26/2021
Supervised By : Mahesh Dadoda 03/29/2021



#80
Naphthalene, 2-methyl-
Concen: 0.499 ppbv m
RT: 25.00 min Scan# 6909
Delta R.T.: 0.02 min
Lab File: VL036472.D
Acq: 25 Mar 2021 3:20

Tgt Ion: 142 Resp: 26525
Ion Ratio Lower Upper
142 100
141 56.6 67.7 101.5#
115 10.6 33.4 50.2#





#81

1,2,4-Trichlorobenzene

Concen: 1.168 ppbv m

RT: 21.94 Instrument:

Delta R.T MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 VSTDIC001

S.20

Tot Ion:1

Ion Rati

180 100

182 96.

184 34.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021

