

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111921\
 Data File : VL038092.D
 Acq On : 19 Nov 2021 19:25
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Nov 22 07:24:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	785533	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	2261645	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	2061126m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1559473	10.49	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.90%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.04	85	1473952	11.359	ppbv	98
3) Chlorodifluoromethane	2.98	51	1729589	10.485	ppbv	98
4) Chloromethane	3.13	50	565375	10.068	ppbv	95
5) Vinyl Chloride	3.24	62	577282	10.479	ppbv	100
6) Bromomethane	3.46	94	316497	10.724	ppbv	99
7) Chloroethane	3.54	64	188750	9.654	ppbv	91
8) Dichlorotetrafluoroethane	3.18	85	1361352	10.547	ppbv	97
9) Propene	3.00	41	591196	9.731	ppbv	97
10) Heptane	8.09	43	1494617	9.954	ppbv	99
11) Trichlorofluoromethane	3.93	101	1294608	10.491	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	901562	10.328	ppbv	99
13) Ethanol	3.59	45	48310m	8.228	ppbv	
14) Bromoethene	3.72	108	392178	10.033	ppbv	99
15) Acetone	3.83	43	680445	9.991	ppbv	96
16) 1,3-Butadiene	3.31	39	550460	10.360	ppbv	97
17) tert-Butyl alcohol	4.27	59	755860	9.149	ppbv	99
18) 1,1-Dichloroethene	4.27	96	406725	10.157	ppbv	97
19) Isopropyl Alcohol	3.94	45	415623	8.446	ppbv	# 99
20) Methylene Chloride	4.32	84	328658	8.615	ppbv	95
21) Allyl Chloride	4.39	41	620699	9.846	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	438114	10.801	ppbv	98
23) Vinyl Acetate	5.05	43	1008972	10.234	ppbv	99
24) 1,1-Dichloroethane	4.99	63	861658	10.495	ppbv	99
25) Ethyl Acetate	5.65	43	2259334	9.981	ppbv	99
26) Hexane	5.66	57	1064786	9.760	ppbv	99
27) Carbon Disulfide	4.53	76	1007390	10.308	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	938496	10.127	ppbv	99
29) Chloroform	5.73	83	1658732	10.316	ppbv	100
30) Cyclohexane	7.10	84	953217	9.624	ppbv	98
31) cis-1,2-Dichloroethene	5.52	61	1081106	10.417	ppbv	95
32) 1,1,1-Trichloroethane	6.48	97	1659748	10.171	ppbv	98
34) 2-Butanone	5.22	43	880490	9.655	ppbv	98
35) Carbon Tetrachloride	6.99	117	1721719	10.835	ppbv	99
36) Benzene	6.86	78	2320974	10.288	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1288557	11.826	ppbv	98
38) Trichloroethene	7.81	130	806563	9.478	ppbv	98
39) 1,2-Dichloropropane	7.58	63	905005	10.457	ppbv	96
40) 1,4-Dioxane	7.81	88	212412	9.421	ppbv	# 1
41) Tetrahydrofuran	6.02	42	580350	10.252	ppbv	98
42) Bromodichloromethane	7.76	83	1841044	11.114	ppbv	99
43) Methyl Methacrylate	7.99	69	855151	11.079	ppbv	97

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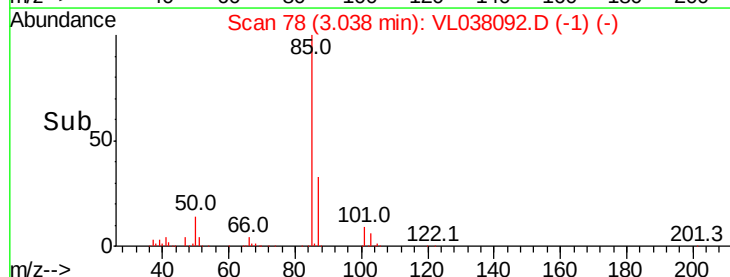
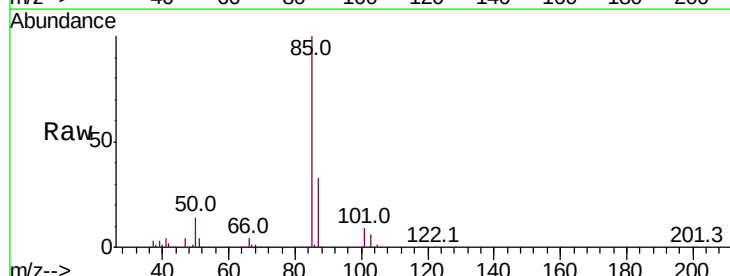
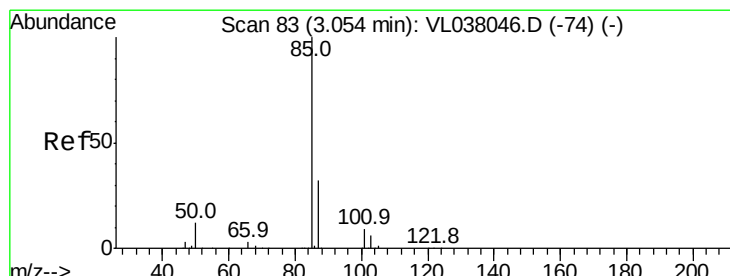
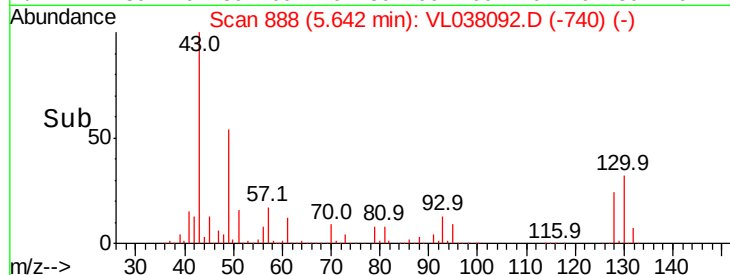
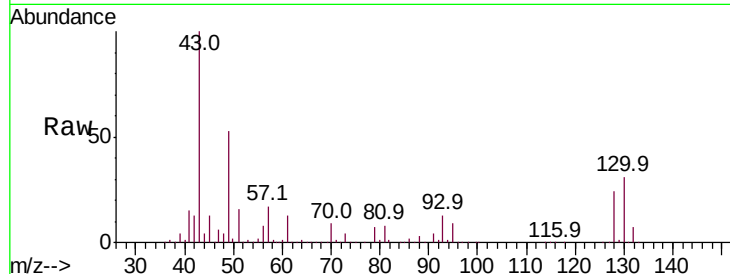
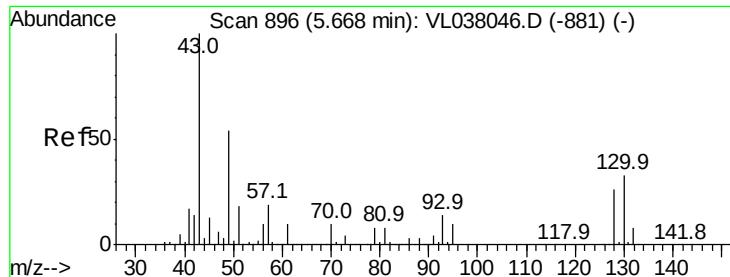
Manual Integrations
 APPROVED

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

Quant Time: Nov 22 07:24:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	3769443	9.987	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	763508	12.332	ppbv	98
46) cis-1,3-Dichloropropene	8.67	75	980667	11.711	ppbv	97
47) 1,1,2-Trichloroethane	9.44	97	901799	9.950	ppbv	92
48) Dibromochloromethane	10.27	129	1465552	10.618	ppbv	98
49) Bromoform	13.00	173	1020461	10.334	ppbv	98
50) 4-Methyl-2-Pentanone	8.71	43	1570746	11.341	ppbv	98
51) 2-Hexanone	10.10	43	740250	11.361	ppbv #	99
52) Tetrachloroethene	11.19	164	738974	8.852	ppbv	92
53) Toluene	9.77	91	2571171	9.905	ppbv	99
54) 1,2-Dibromoethane	10.57	107	1296988	10.131	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.09	131	932358	9.965	ppbv	97
57) Chlorobenzene	12.11	112	1802738	9.758	ppbv	94
58) Ethyl Benzene	12.68	91	3348768	9.830	ppbv	98
59) m/p-Xylene	12.96	91	5498095m	19.172	ppbv	
60) o-Xylene	13.66	91	2500018	9.398	ppbv	97
61) Styrene	13.49	104	1384342	9.706	ppbv	95
62) Isopropylbenzene	14.63	105	3499041	9.266	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.64	83	1745066	8.831	ppbv	99
64) n-propylbenzene	15.52	120	889810	9.250	ppbv	94
65) tert-Butylbenzene	16.71	119	2899044	8.714	ppbv	97
66) Benzyl Chloride	16.95	91	130748	7.754	ppbv	95
67) sec-Butylbenzene	17.26	105	4117862	8.883	ppbv	100
69) p-Isopropyltoluene	17.62	119	3332232	9.189	ppbv	98
70) n-Butylbenzene	18.51	91	3384904	9.763	ppbv	99
71) 2-Chlorotoluene	15.42	91	2620948	9.493	ppbv	97
72) 4-Ethyltoluene	15.80	105	2964857	9.612	ppbv	97
73) 1,3,5-Trimethylbenzene	15.96	105	2608660	9.260	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	2651275	9.133	ppbv	99
75) 1,3-Dichlorobenzene	16.96	146	1468946	9.213	ppbv	99
76) 1,4-Dichlorobenzene	17.10	146	1421176	8.857	ppbv	99
77) 1,2-Dichlorobenzene	17.78	146	1408153	9.121	ppbv	99
78) Hexachloro-1,3-Butadiene	23.34	225	975530	10.120	ppbv	97
79) Naphthalene	22.15	128	2055534	13.445	ppbv	98
80) Naphthalene, 2-methyl-	24.94	142	453515	13.842	ppbv	98
81) 1,2,4-Trichlorobenzene	21.88	180	1049233	11.944	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Nov 2021 19:25

Tot Ion:

Ion Ratio

49 100

128 50.

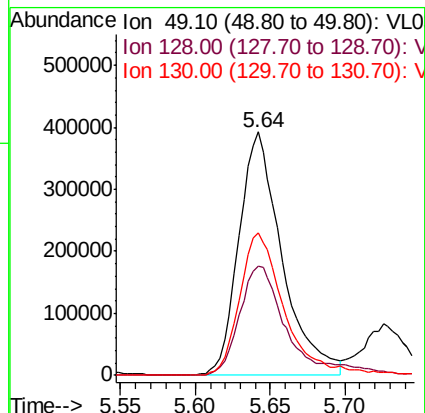
130 61.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#2

Dichlorodifluoromethane

Concen: 11.359 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.02 min

Lab File: VL038092.D

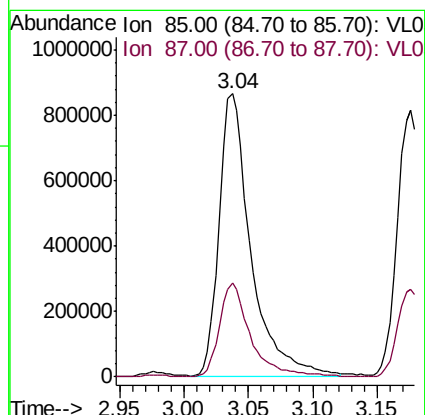
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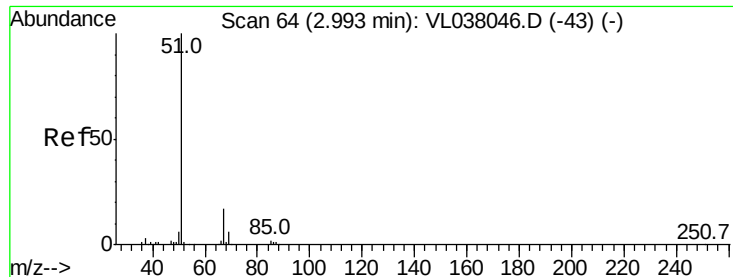
Tgt Ion: 85 Resp: 1473952

Ion Ratio Lower Upper

85 100

87 33.2 25.8 38.6





#3

Chlorodifluoromethane

Concen: 10.485 ppbv

RT: 2.98 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion:

Ion Ratio

51 100

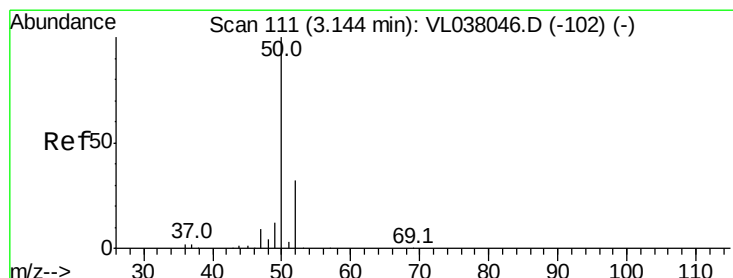
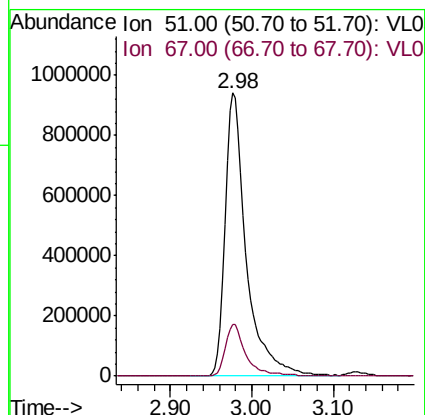
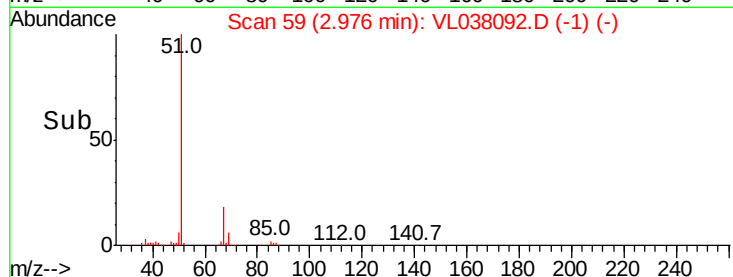
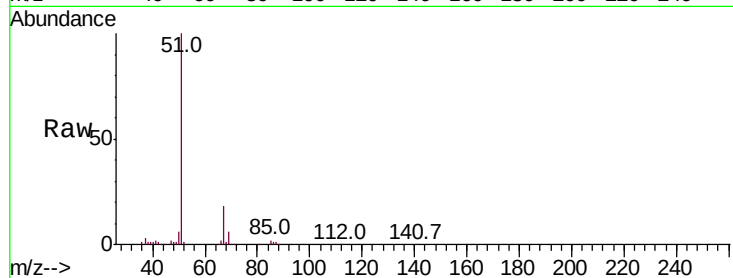
67 18.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#4

Chloromethane

Concen: 10.068 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.02 min

Lab File: VL038092.D

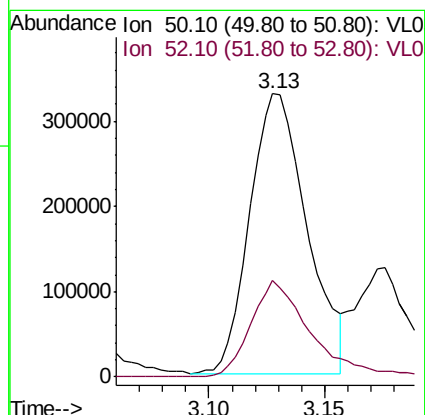
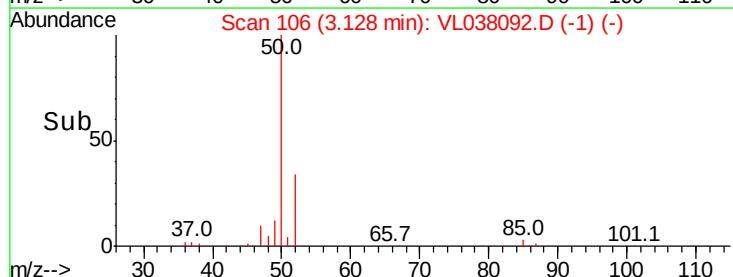
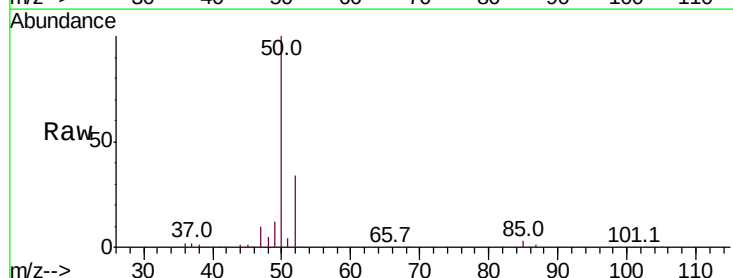
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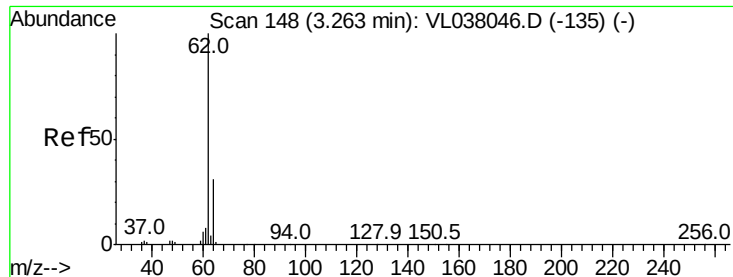
Tgt Ion: 50 Resp: 565375

Ion Ratio Lower Upper

50 100

52 34.4 25.4 38.0





#5

Vinyl Chloride

Concen: 10.479 ppbv

RT: 3.24 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion:

Ion Ratio

62 100

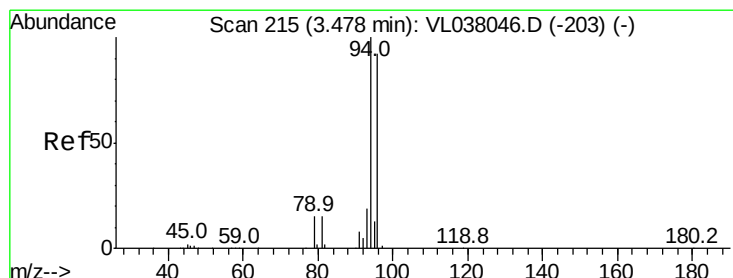
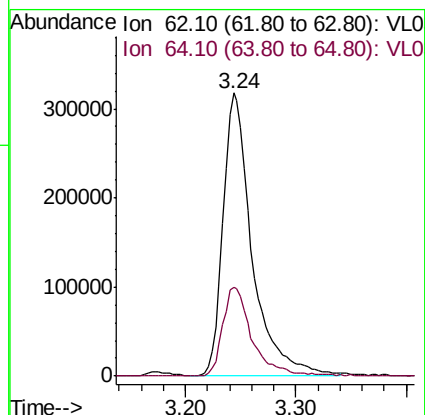
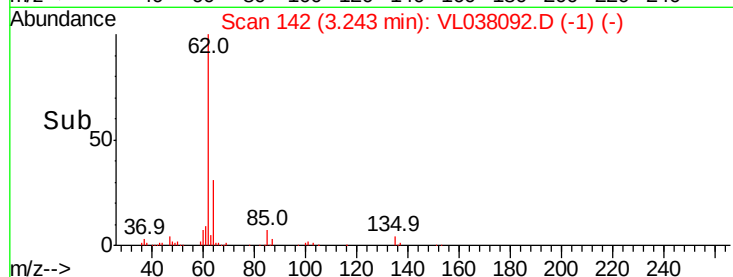
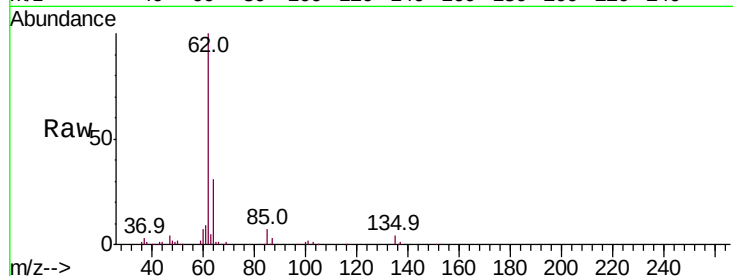
64 31.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#6

Bromomethane

Concen: 10.724 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.02 min

Lab File: VL038092.D

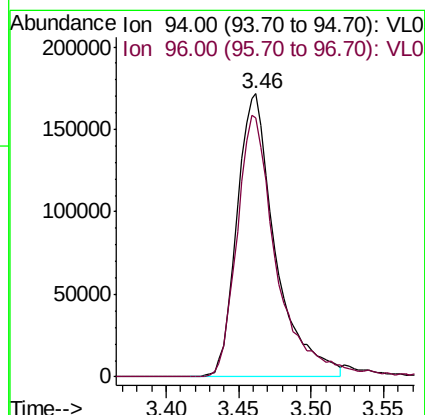
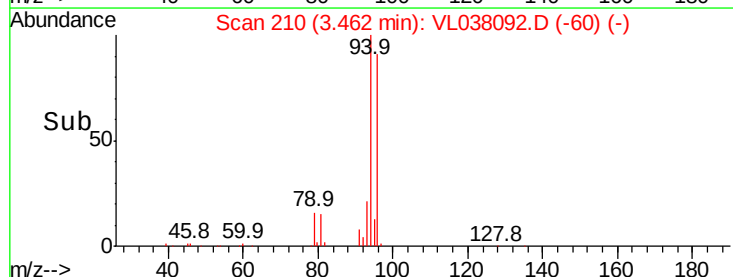
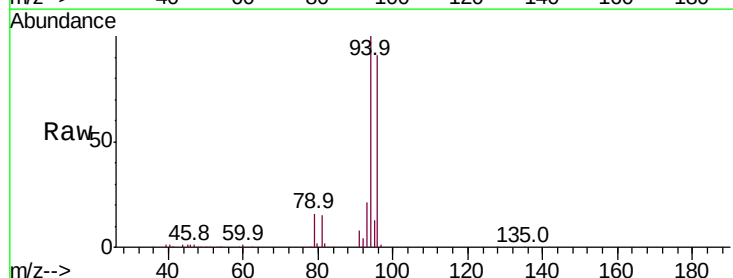
Acq: 19 Nov 2021 19:25

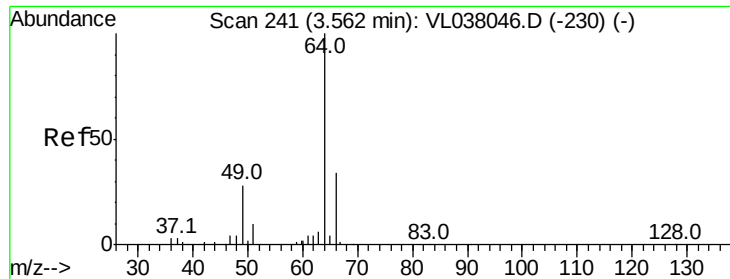
Tgt Ion: 94 Resp: 316497

Ion Ratio Lower Upper

94 100

96 91.4 73.9 110.9





#7

Chloroethane

Concen: 9.654 ppbv

RT: 3.54 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion:

Ion Ratio

64 100

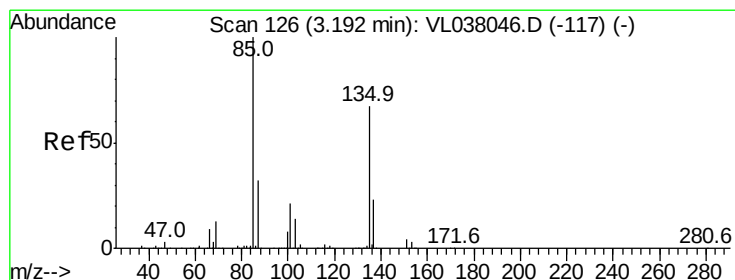
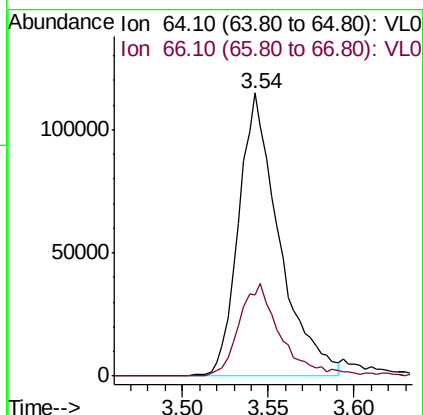
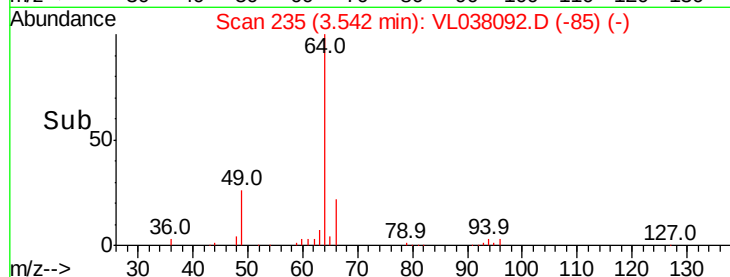
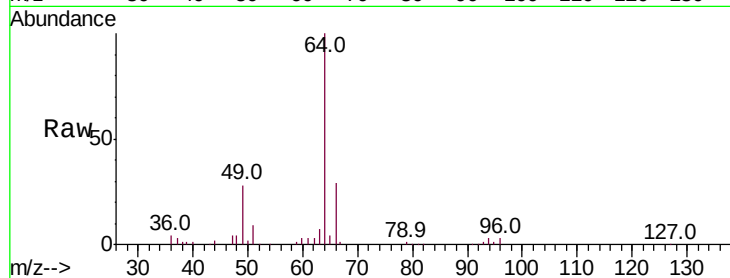
66 28.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#8

Dichlorotetrafluoroethane

Concen: 10.547 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.02 min

Lab File: VL038092.D

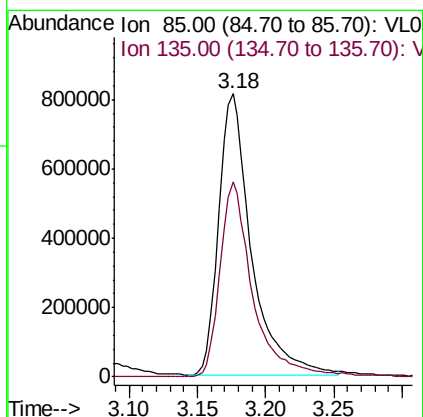
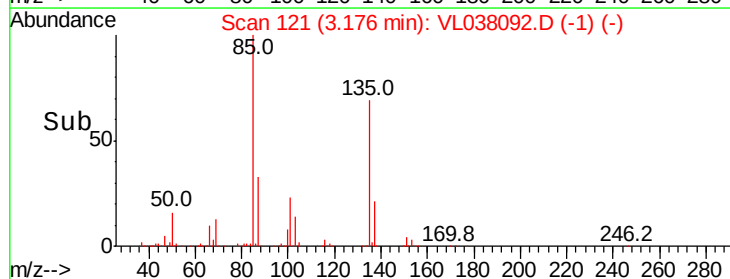
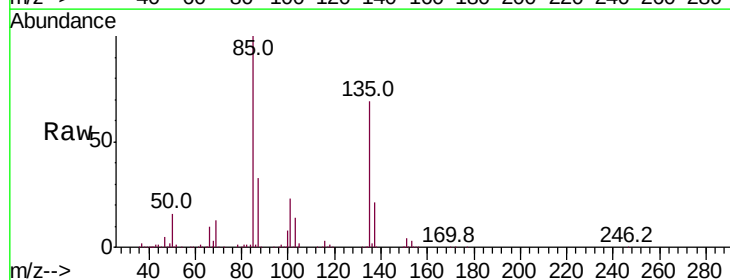
Acq: 19 Nov 2021 19:25

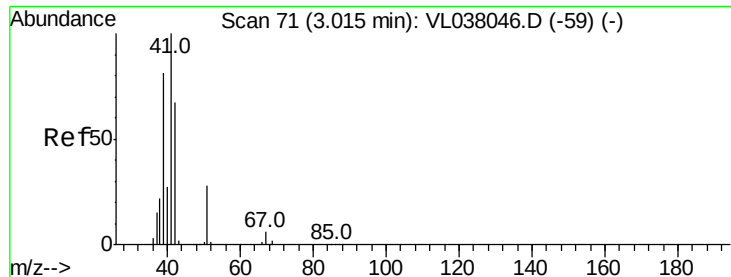
Tgt Ion: 85 Resp: 1361352

Ion Ratio Lower Upper

85 100

135 70.1 57.9 86.9



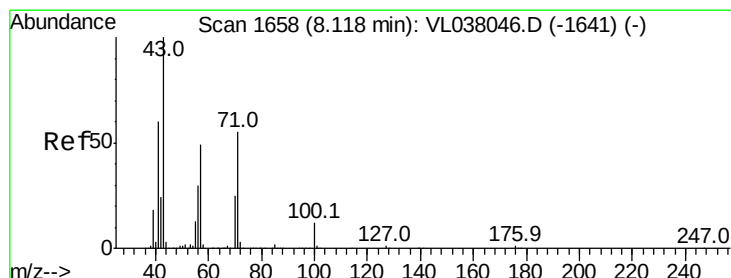
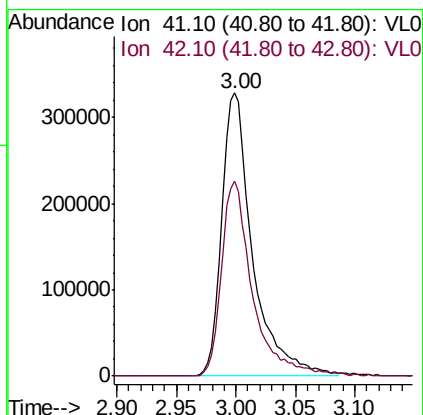
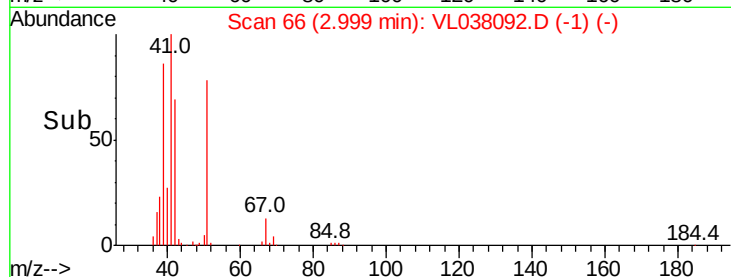
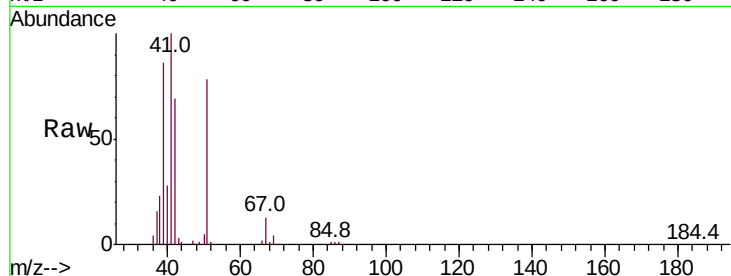


#9
 Propene
 Concen: 9.731 ppbv
 RT: 3.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 19 Nov 2021 19:25

Tot Ion:
 Ion Rati
 41 100
 42 69.

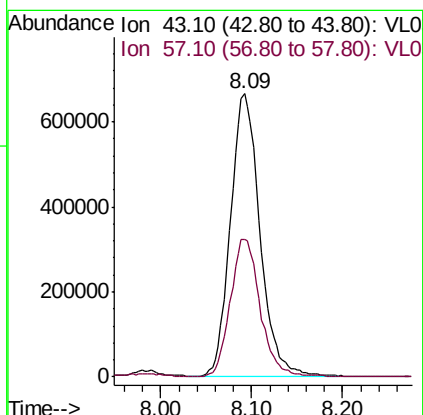
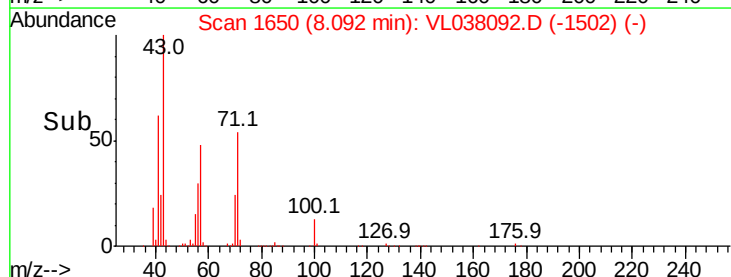
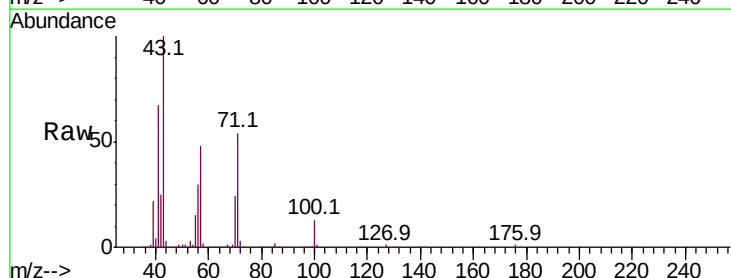
Manual Integrations
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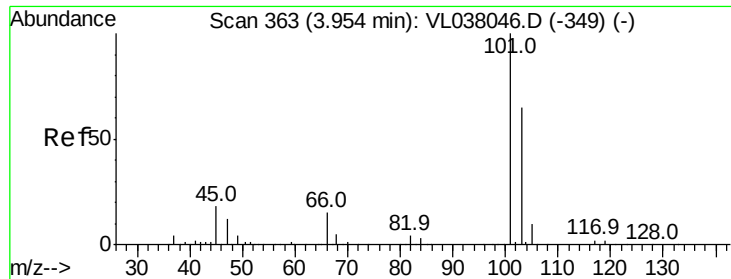
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#10
 Heptane
 Concen: 9.954 ppbv
 RT: 8.09 min Scan# 1650
 Delta R.T. -0.03 min
 Lab File: VL038092.D
 Acq: 19 Nov 2021 19:25

Tgt Ion: 43 Resp: 1494617
 Ion Ratio Lower Upper
 43 100
 57 49.5 40.4 60.6



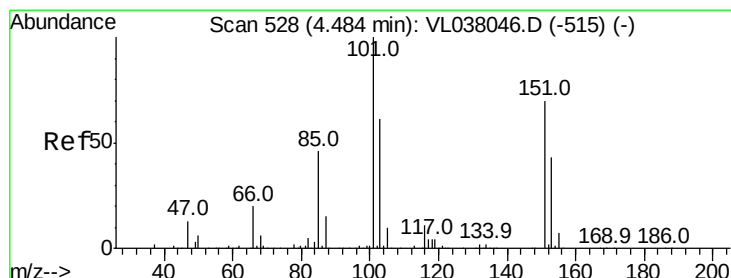
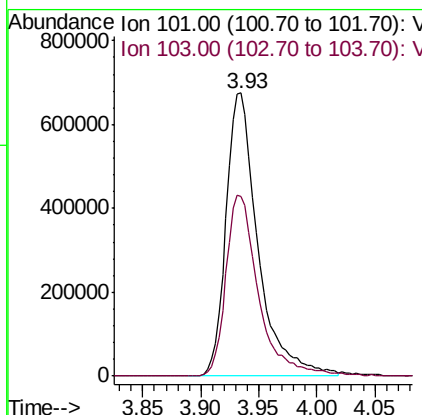
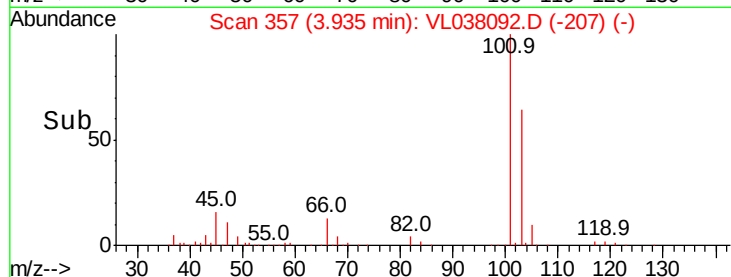
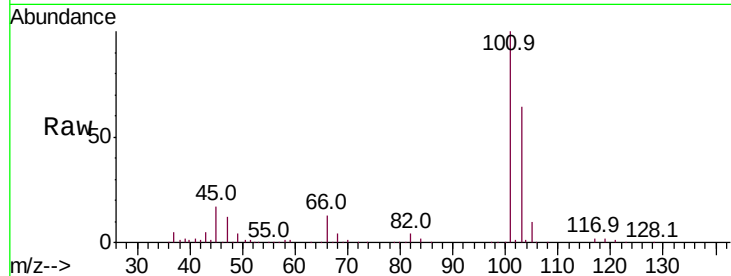


#11
 Trichlorofluoromethane
 Concen: 10.491 ppbv
 RT: 3.93
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 19 Nov 2021 19:25

Tot Ion:1
 Ion Rati
 101 100
 103 63.

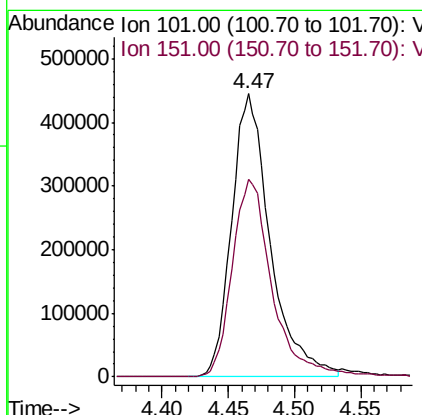
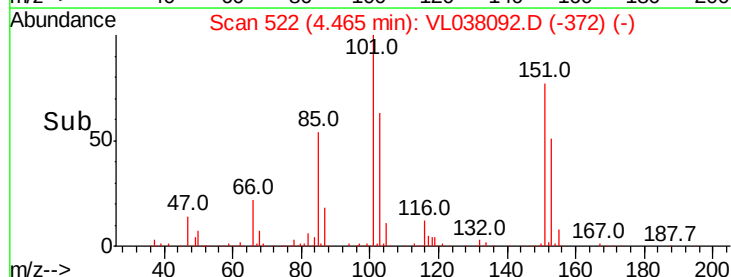
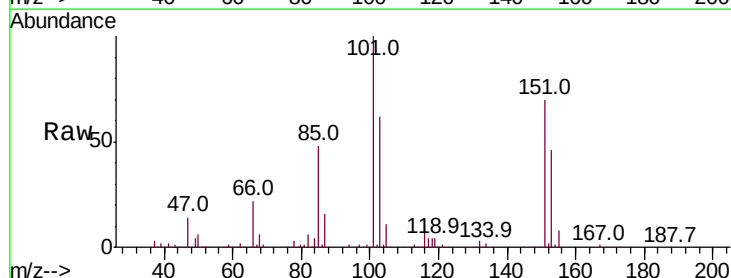
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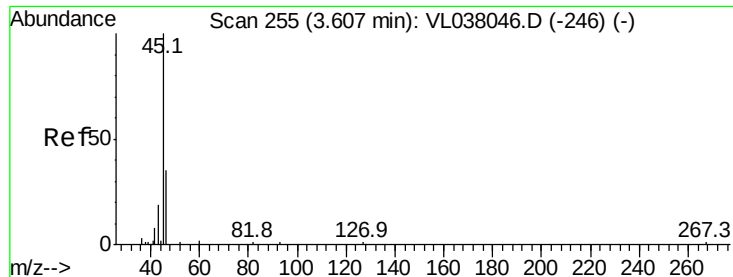
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.328 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. -0.02 min
 Lab File: VL038092.D
 Acq: 19 Nov 2021 19:25

Tgt Ion:101 Resp: 901562
 Ion Ratio Lower Upper
 101 100
 151 72.6 59.0 88.4





#13

Ethanol

Concen: 8.228 ppbv m

RT: 3.59 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 19 Nov 2021 19:25 VSTDCC010EC

Tot Ion:

Ion Ratio

45 100

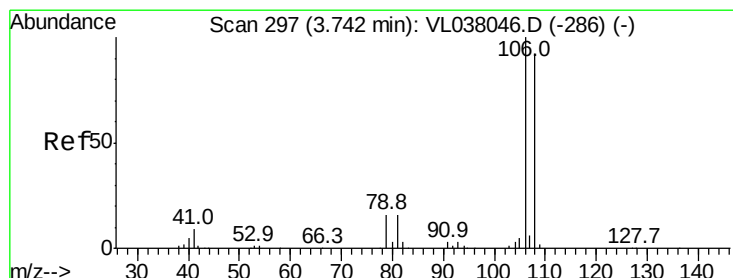
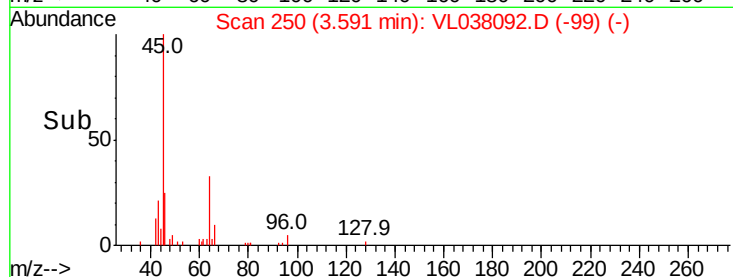
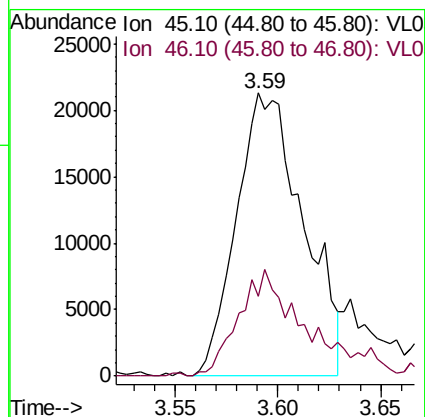
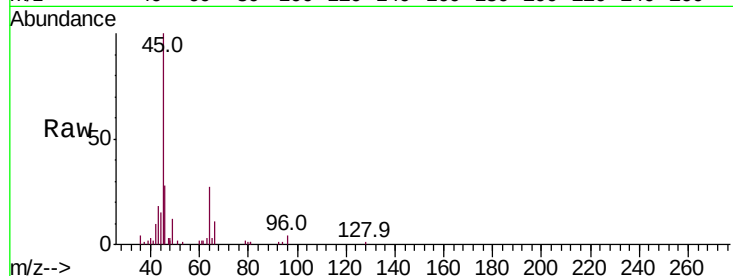
46 40.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#14

Bromoethene

Concen: 10.033 ppbv

RT: 3.72 min Scan# 291

Delta R.T. -0.02 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

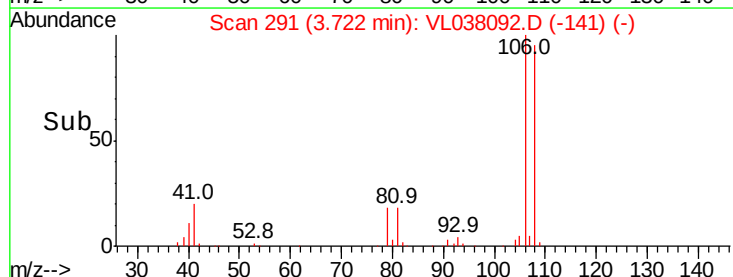
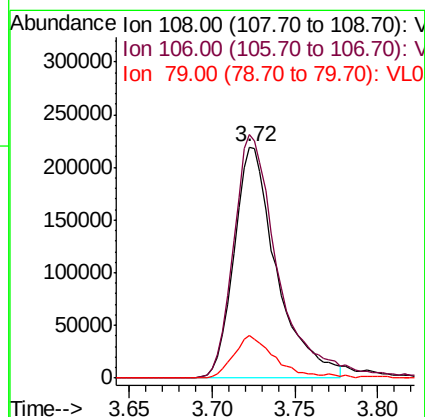
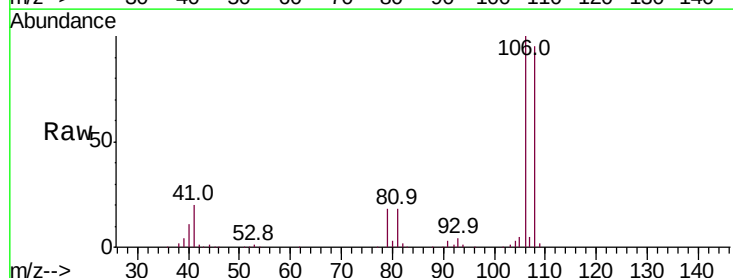
Tgt Ion:108 Resp: 392178

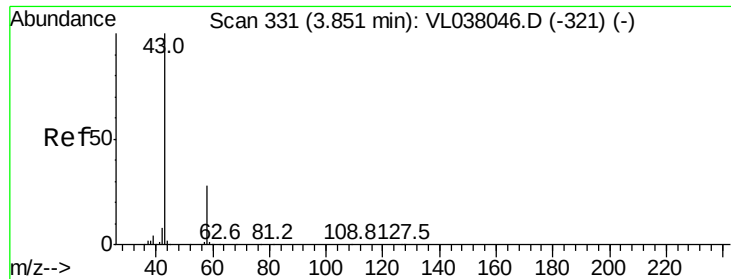
Ion Ratio Lower Upper

108 100

106 112.1 89.4 134.0

79 19.0 14.1 21.1



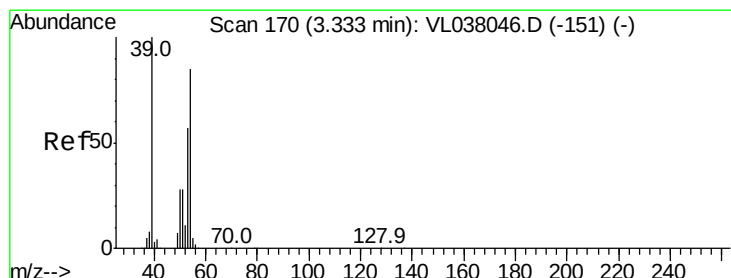
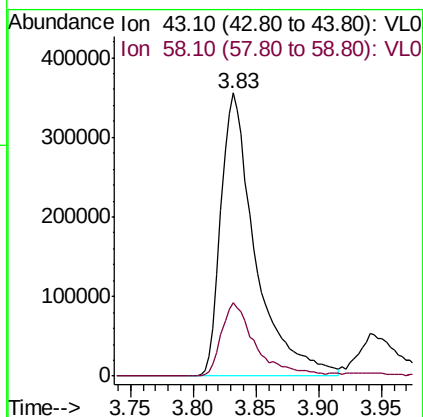
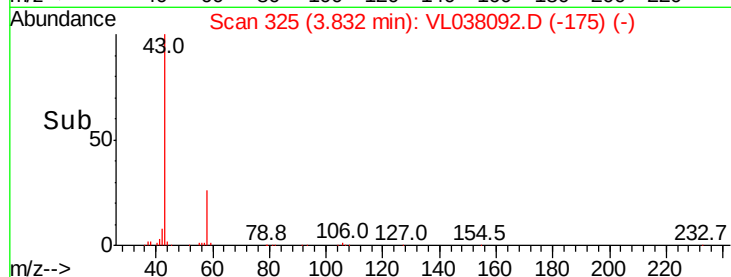
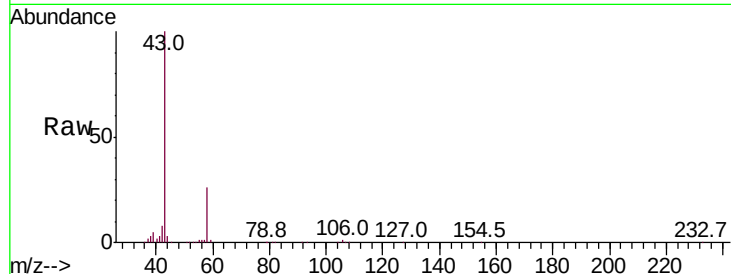


#15
Acetone
Concen: 9.991 ppbv
RT: 3.83
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 19 Nov 2021 19:25

Tot Ion:
Ion Ratio
43 100
58 25.

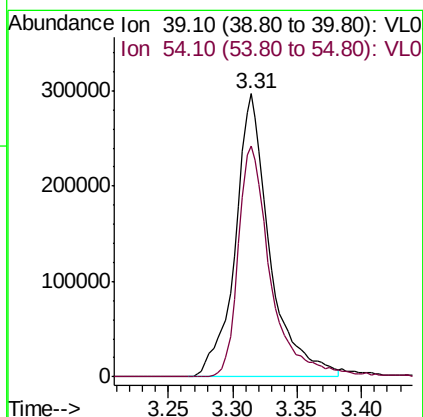
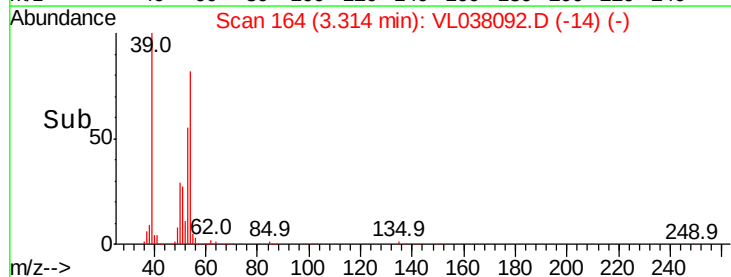
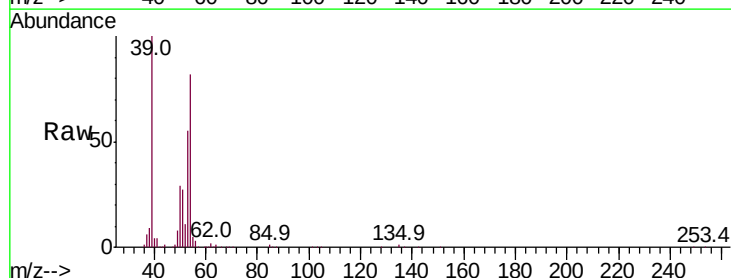
Manual Integrations
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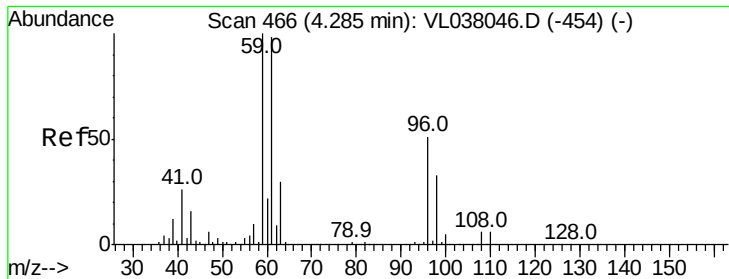
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#16
1,3-Butadiene
Concen: 10.360 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.02 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

Tgt Ion: 39 Resp: 550460
Ion Ratio Lower Upper
39 100
54 78.0 64.4 96.6





#17

tert-Butyl alcohol

Concen: 9.149 ppbv

RT: 4.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion:

Ion Ratio

59 100

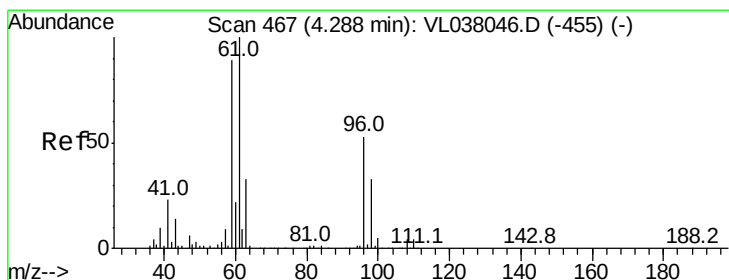
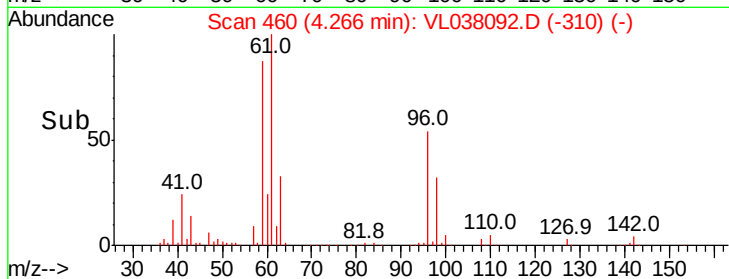
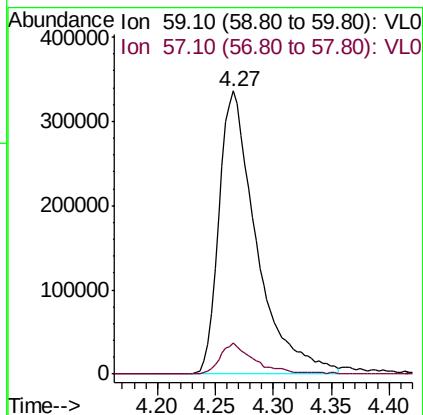
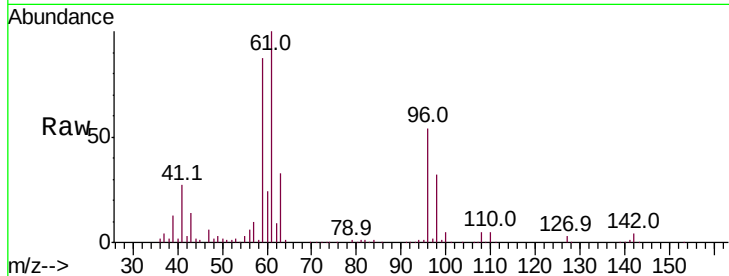
57 10.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#18

1,1-Dichloroethene

Concen: 10.157 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.02 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

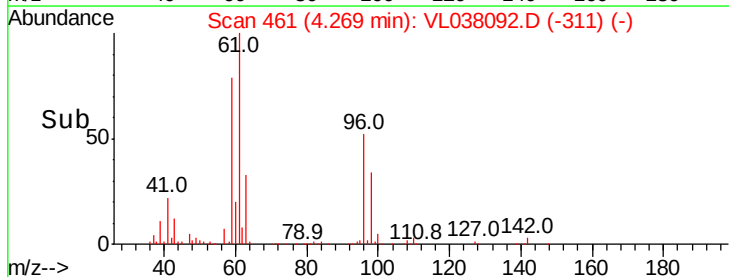
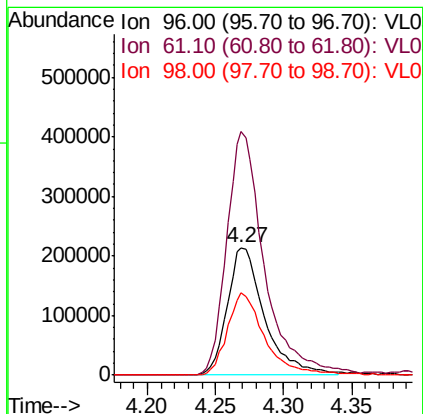
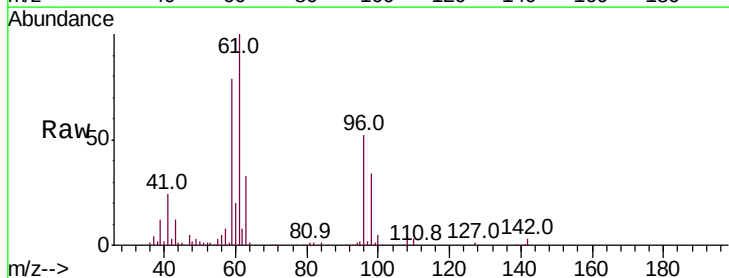
Tgt Ion: 96 Resp: 406725

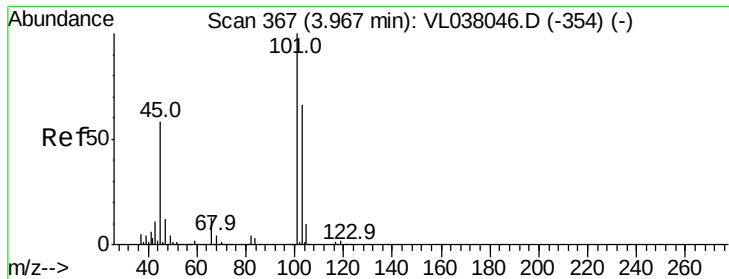
Ion Ratio Lower Upper

96 100

61 191.2 149.8 224.8

98 64.5 50.2 75.2





#19

Isopropyl Alcohol

Concen: 8.446 ppbv

RT: 3.94

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Nov 2021 19:25

Tot Ion:

Ion Ratio

45 100

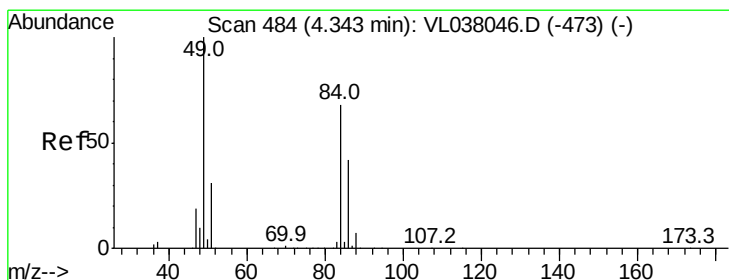
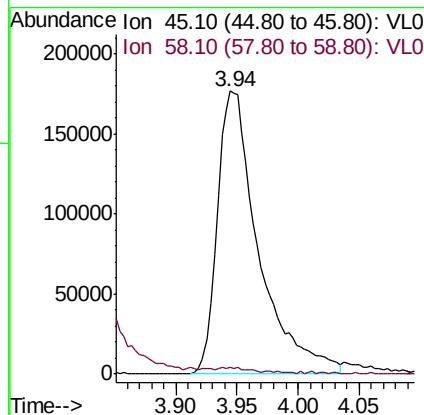
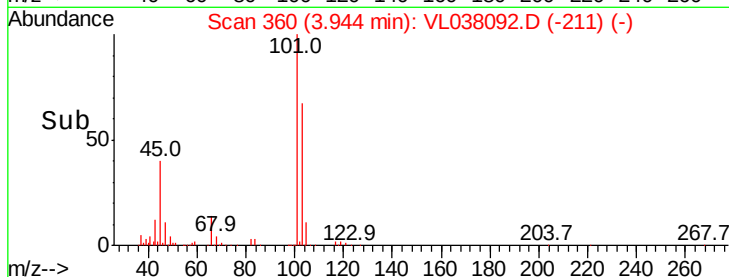
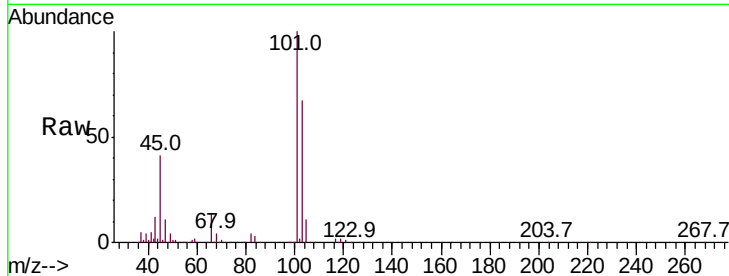
58 2.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#20

Methylene Chloride

Concen: 8.615 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.02 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

Tgt Ion: 84 Resp: 328658

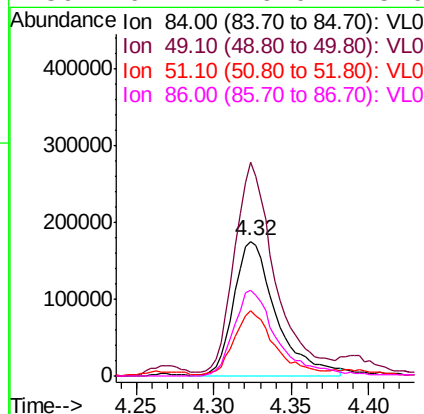
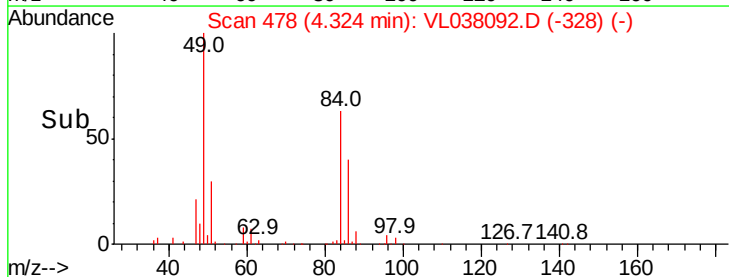
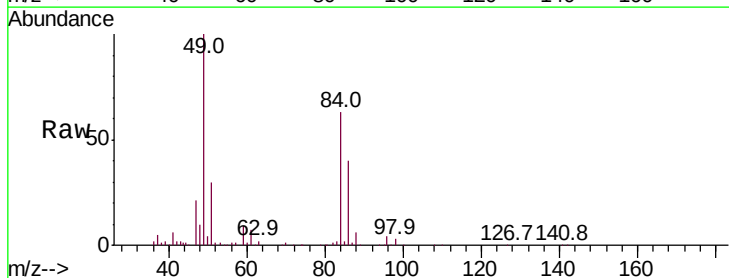
Ion Ratio Lower Upper

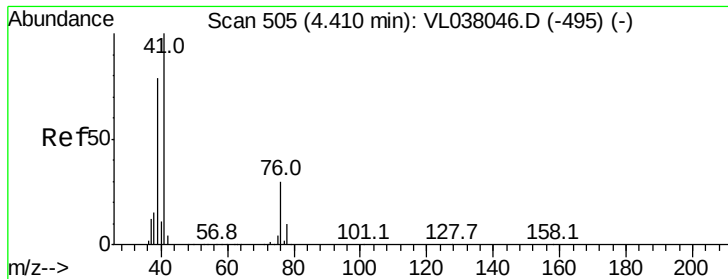
84 100

49 156.6 118.2 177.2

51 47.2 36.8 55.2

86 64.1 49.0 73.6



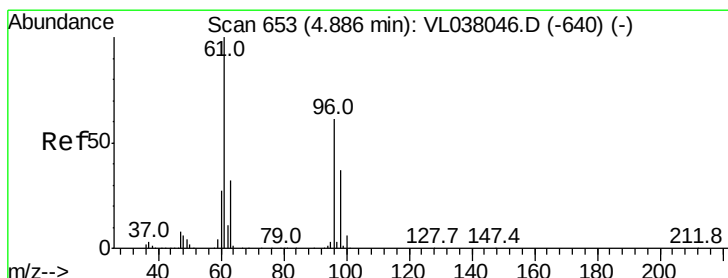
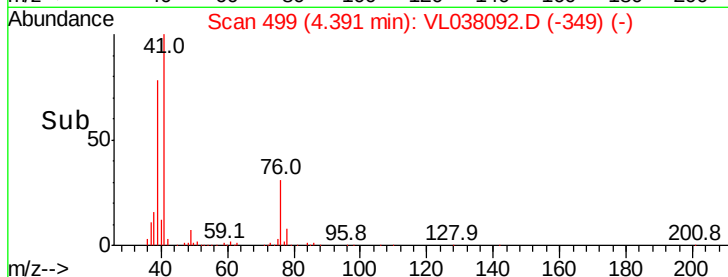
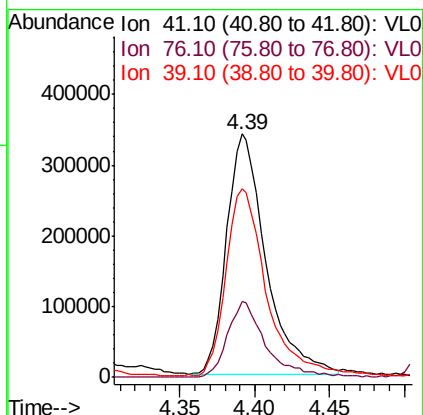
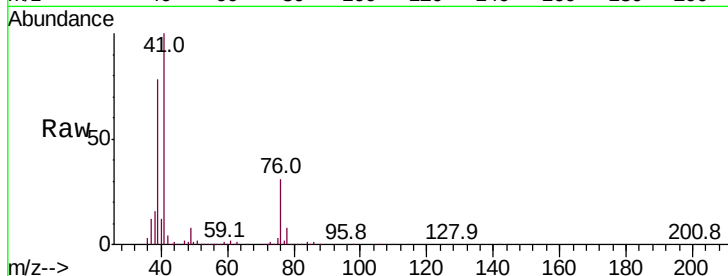


#21
 Allvl Chloride
 Concen: 9.846 ppbv
 RT: 4.39
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 19 Nov 2021 19:25

Tot Ion:
 Ion Ratio
 41 100
 76 31.
 39 82.

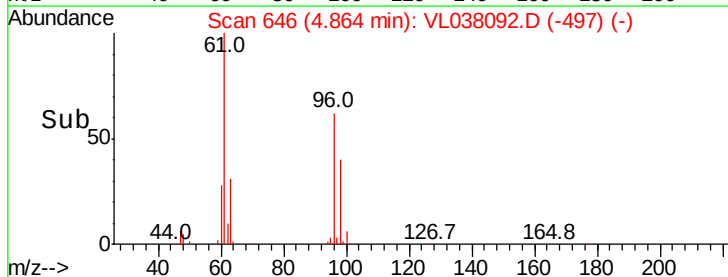
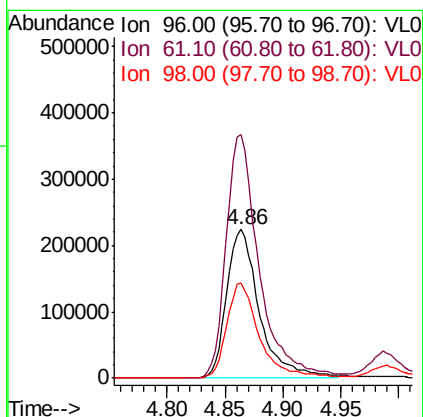
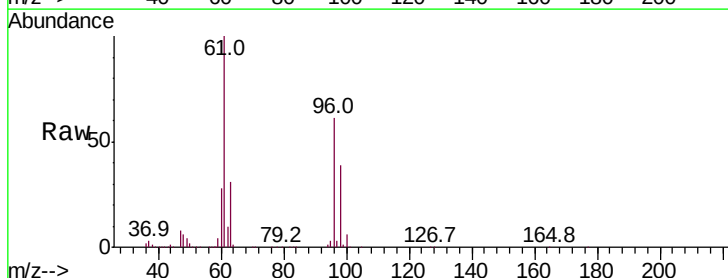
Manual Integrations
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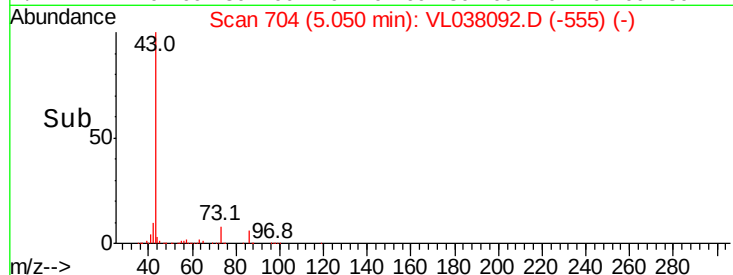
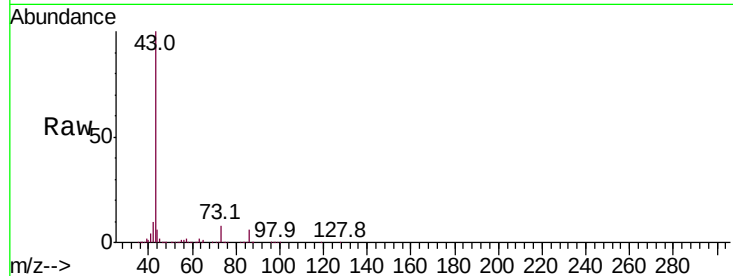
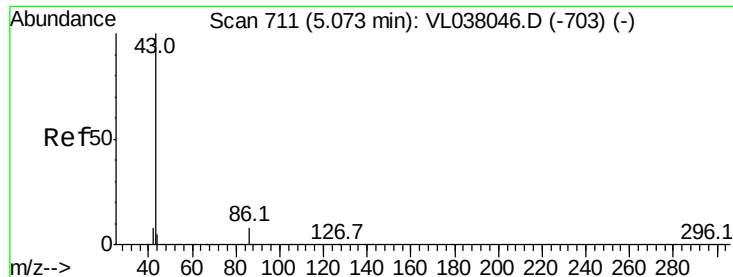
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#22
 trans-1,2-Dichloroethene
 Concen: 10.801 ppbv
 RT: 4.86 min Scan# 646
 Delta R.T. -0.02 min
 Lab File: VL038092.D
 Acq: 19 Nov 2021 19:25

Tgt Ion: 96 Resp: 438114
 Ion Ratio Lower Upper
 96 100
 61 163.7 131.6 197.4
 98 64.0 48.4 72.6





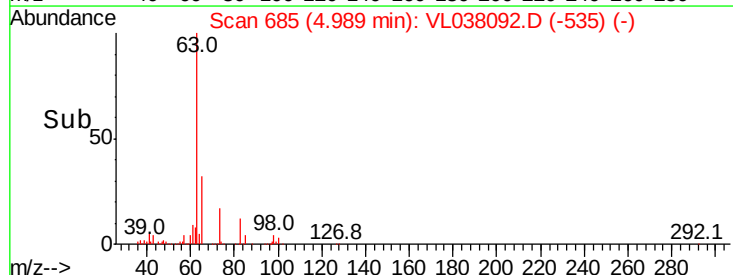
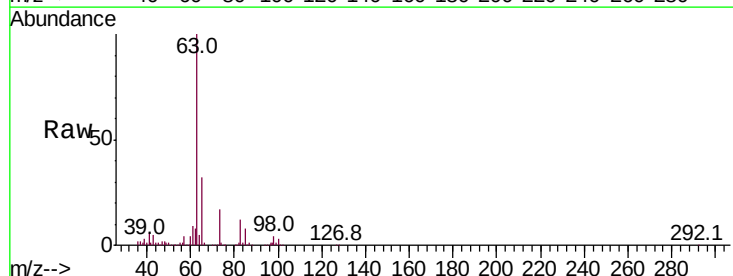
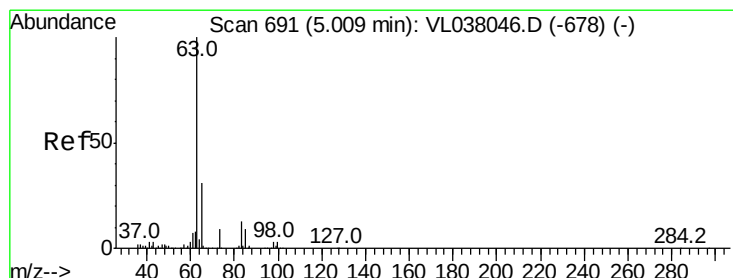
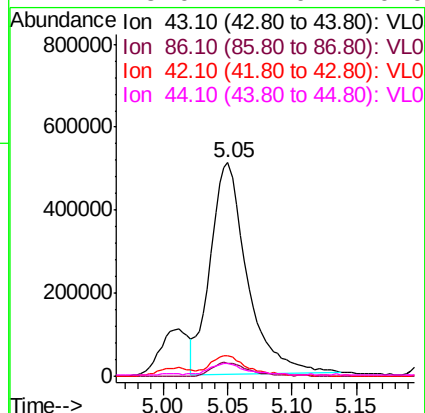
#23
 Vinyl Acetate
 Concen: 10.234 ppbv
 RT: 5.05
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 19 Nov 2021 19:25

Tot Ion: 5.0 4.0 6.0

Ion	Ratio
43	100
86	6.
42	9.
44	5.0

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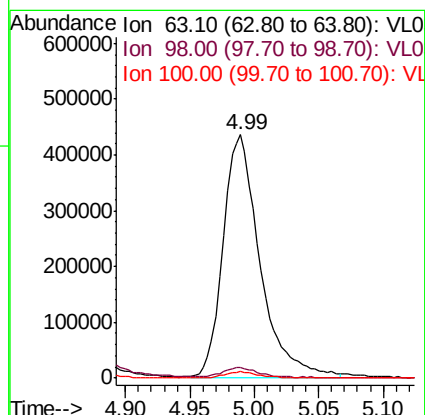
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021

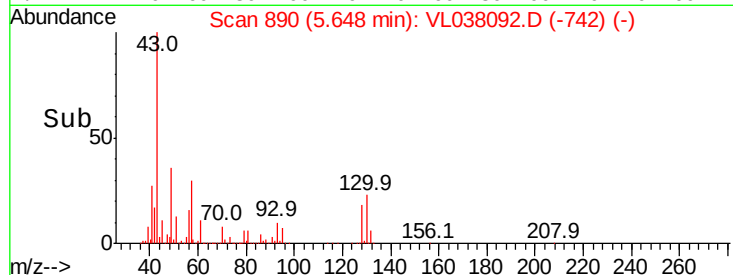
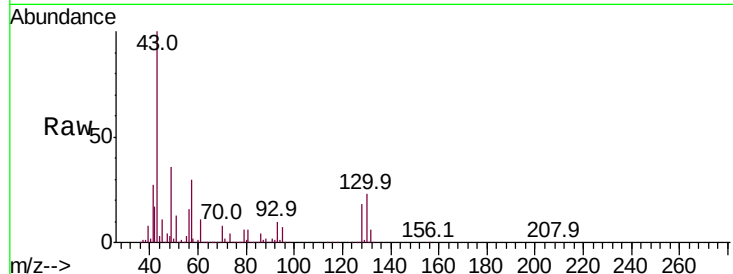
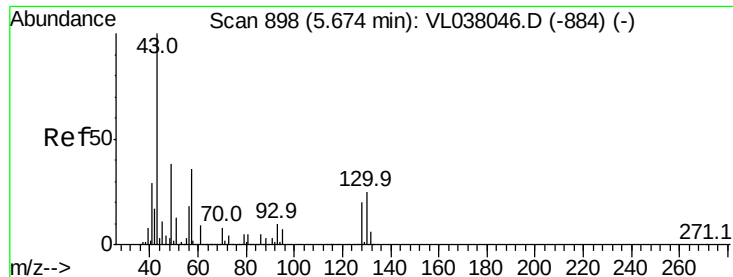


#24
 1,1-Dichloroethane
 Concen: 10.495 ppbv
 RT: 4.99 min Scan# 685
 Delta R.T. -0.02 min
 Lab File: VL038092.D
 Acq: 19 Nov 2021 19:25

Tgt Ion: 63 Resp: 861658

Ion	Ratio	Lower	Upper
63	100		
98	4.2	1.8	5.4
100	2.7	1.4	4.0



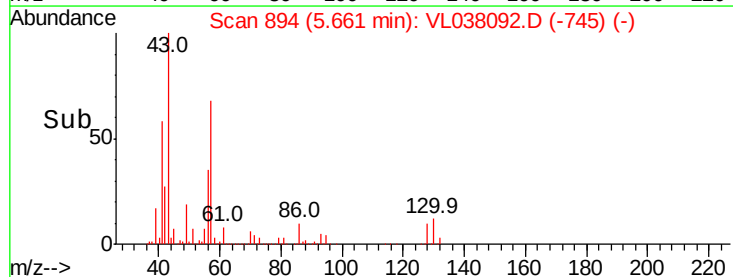
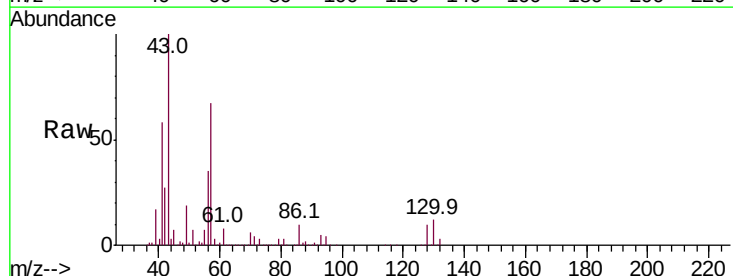
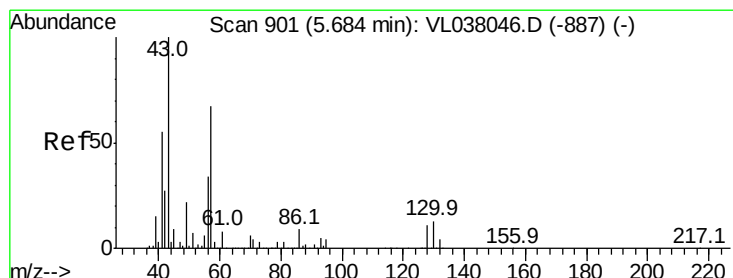
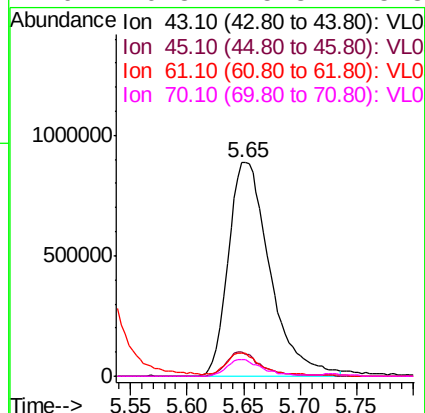


#25
Ethyl Acetate
Concen: 9.981 ppbv
RT: 5.65
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 19 Nov 2021 19:25
VSTDCCC010EC

Tot Ion:
Ion Ratio
43 100
45 9.
61 9.
70 6.8 5.8 8.8

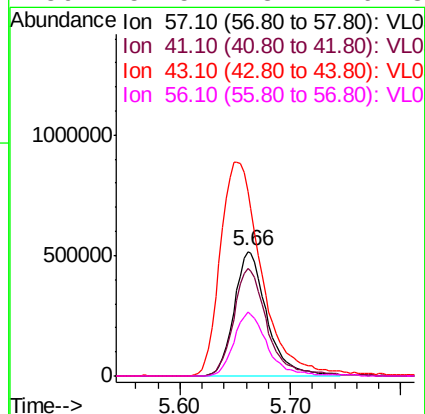
Manual Integrations
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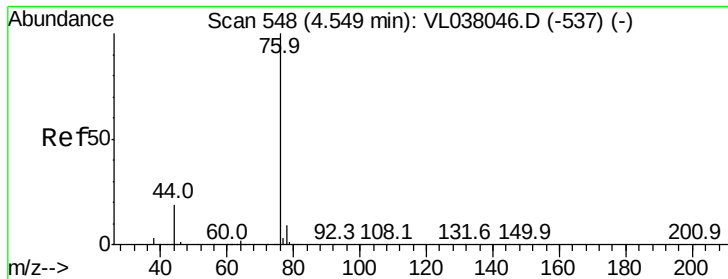
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#26
Hexane
Concen: 9.760 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

Tgt Ion: 57 Resp: 1064786
Ion Ratio Lower Upper
57 100
41 88.9 71.4 107.2
43 216.5 174.6 261.8
56 52.5 43.2 64.8





#27

Carbon Disulfide

Concen: 10.308 ppbv

RT: 4.53 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion:

Ion Ratio

76 100

44 19.

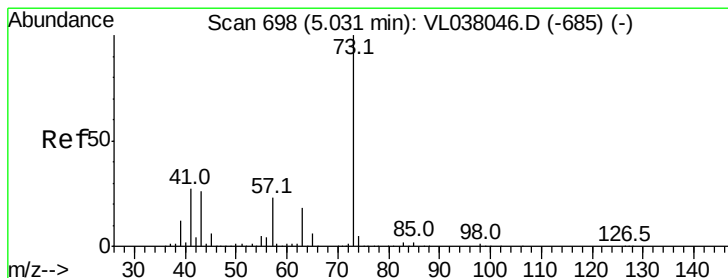
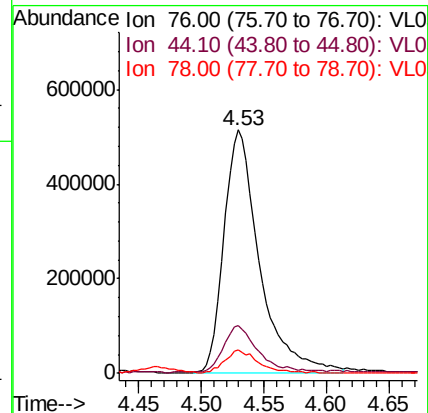
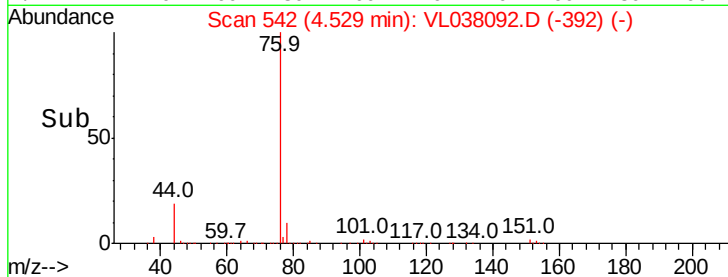
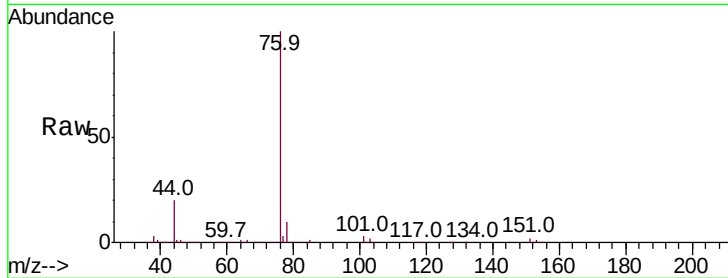
78 9.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#28

Methyl tert-Butyl Ether

Concen: 10.127 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.02 min

Lab File: VL038092.D

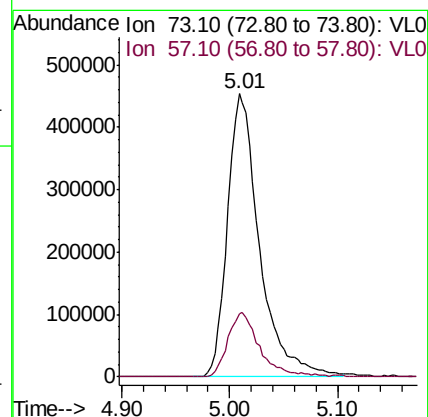
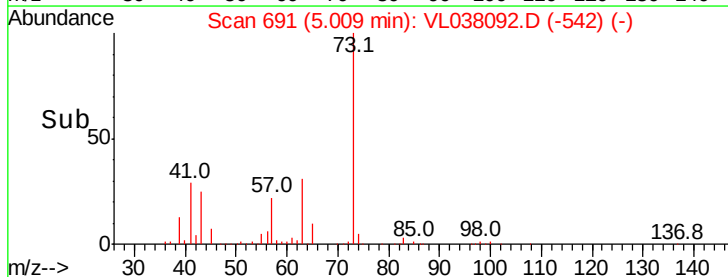
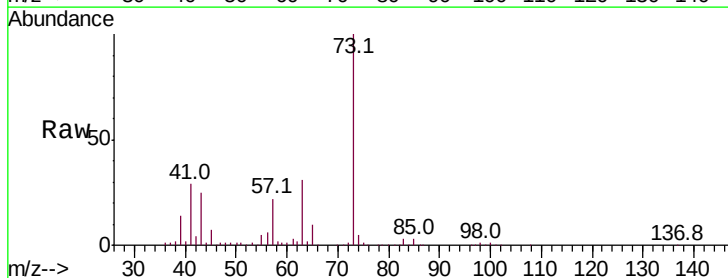
Acq: 19 Nov 2021 19:25

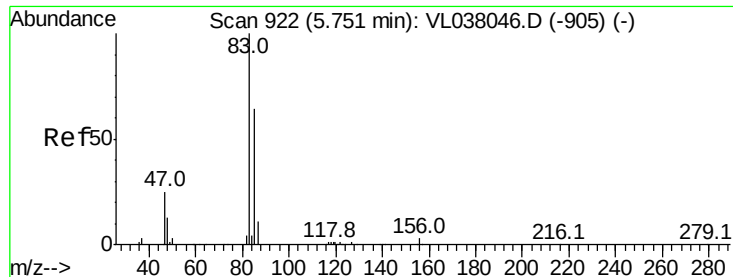
Tgt Ion: 73 Resp: 938496

Ion Ratio Lower Upper

73 100

57 23.1 19.0 28.4



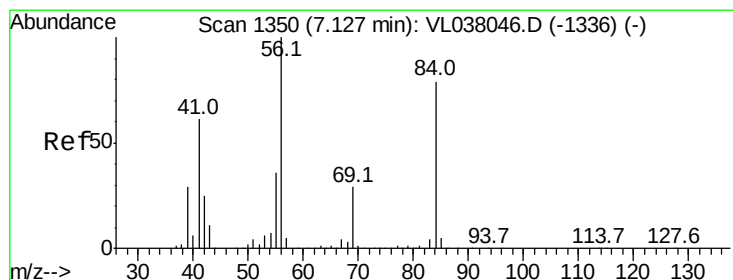
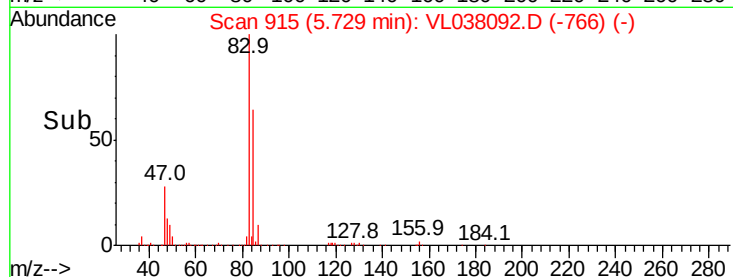
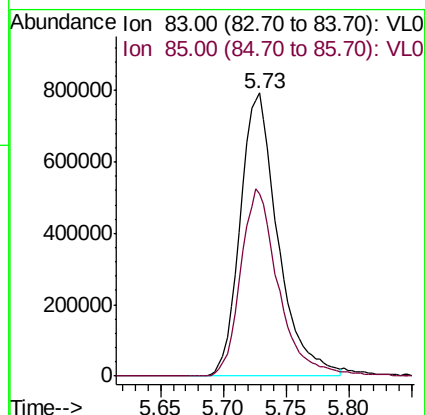
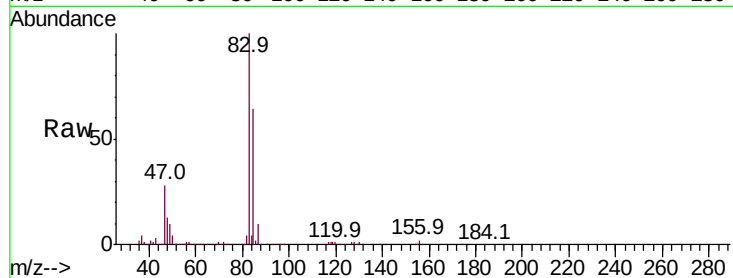


#29
Chloroform
Concen: 10.316 ppbv
RT: 5.73
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 19 Nov 2021 19:25

Tot Ion:
Ion Ratio
83 100
85 64.

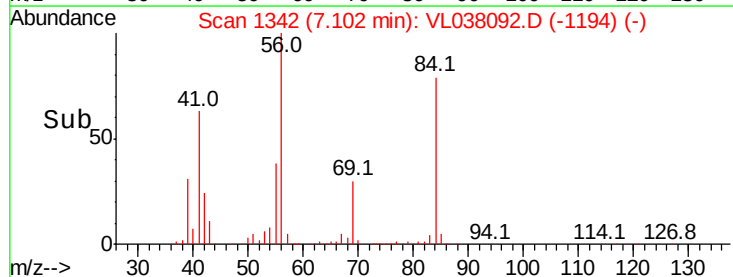
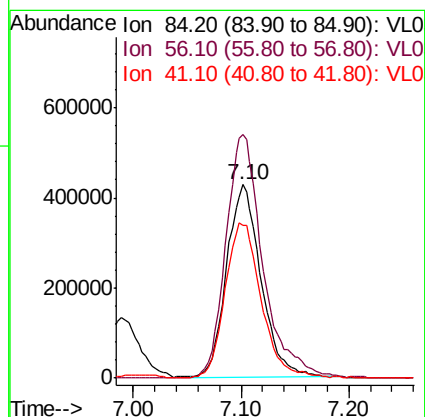
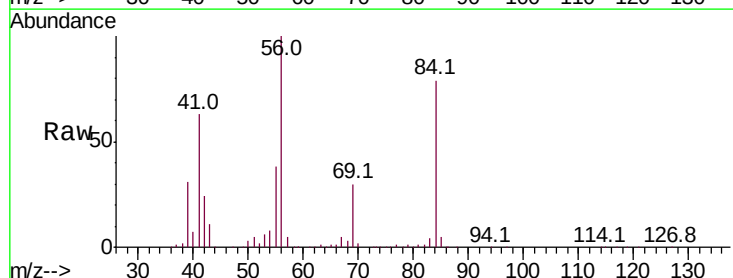
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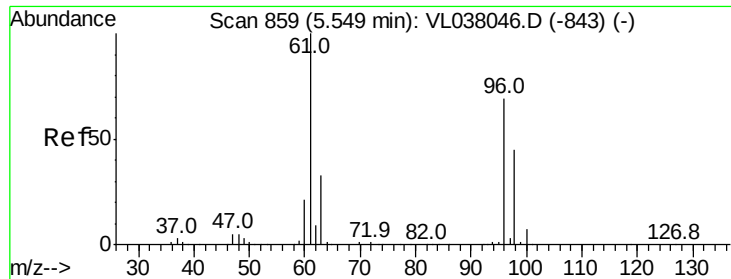
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#30
Cyclohexane
Concen: 9.624 ppbv
RT: 7.10 min Scan# 1342
Delta R.T. -0.03 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

Tgt Ion: 84 Resp: 953217
Ion Ratio Lower Upper
84 100
56 136.4 108.1 162.1
41 84.6 64.4 96.6





#31

cis-1,2-Dichloroethene

Concen: 10.417 ppbv

RT: 5.52 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion:

Ion Ratio

61 100

96 65.

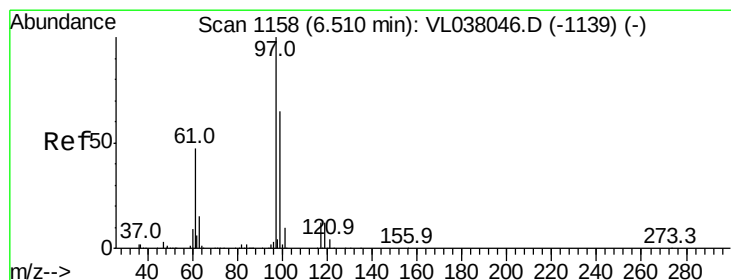
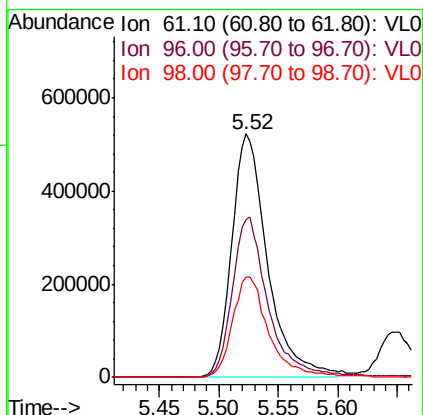
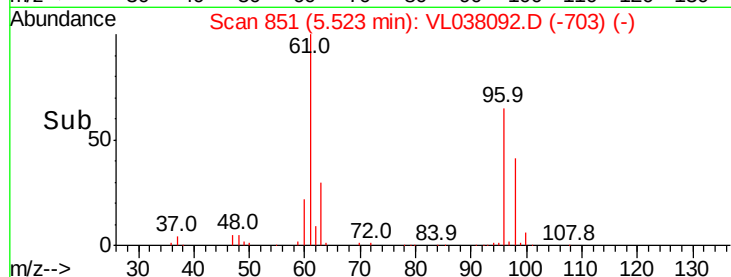
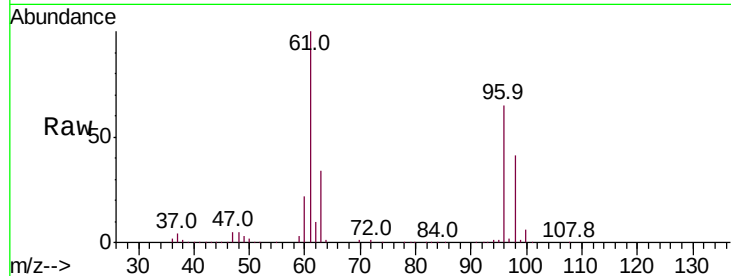
98 41.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#32

1,1,1-Trichloroethane

Concen: 10.171 ppbv

RT: 6.48 min Scan# 1150

Delta R.T. -0.03 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

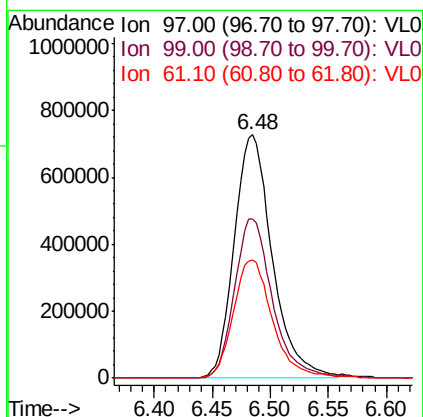
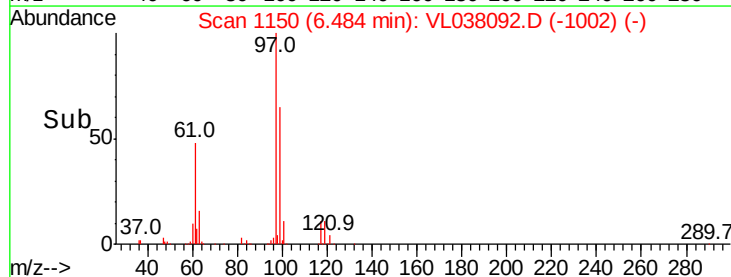
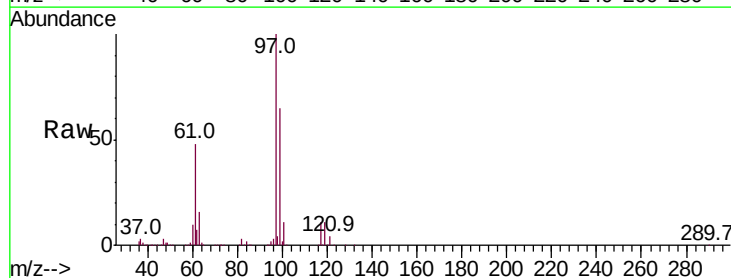
Tgt Ion: 97 Resp: 1659748

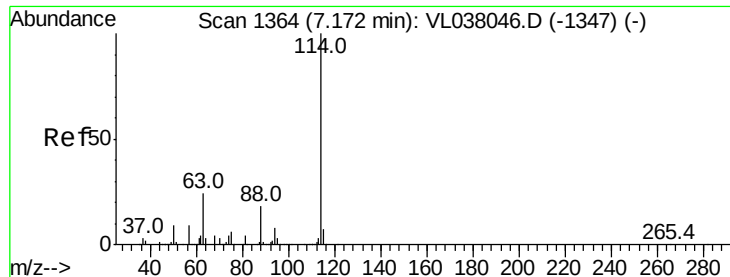
Ion Ratio Lower Upper

97 100

99 65.6 52.2 78.4

61 50.4 37.7 56.5



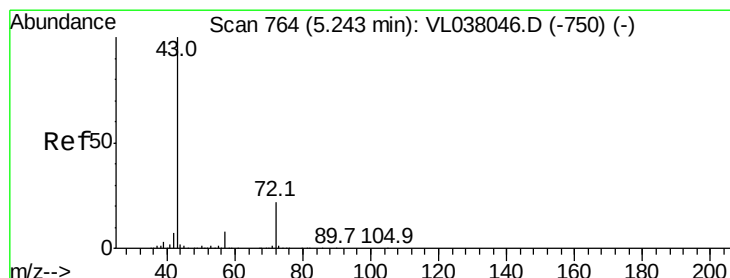
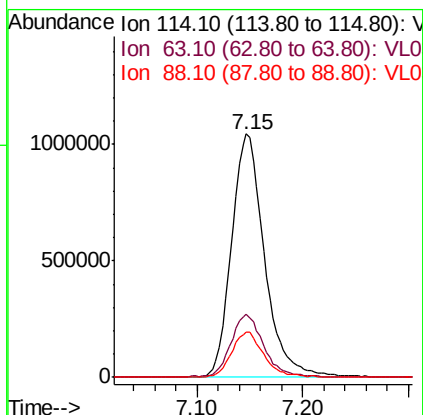
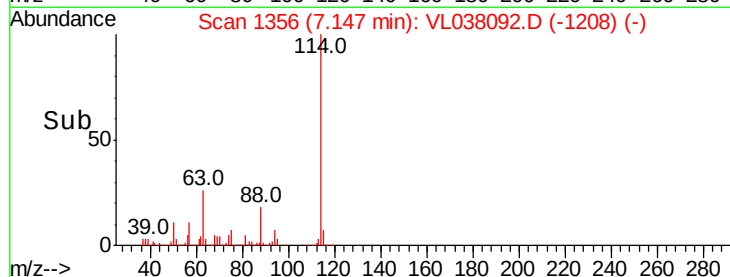
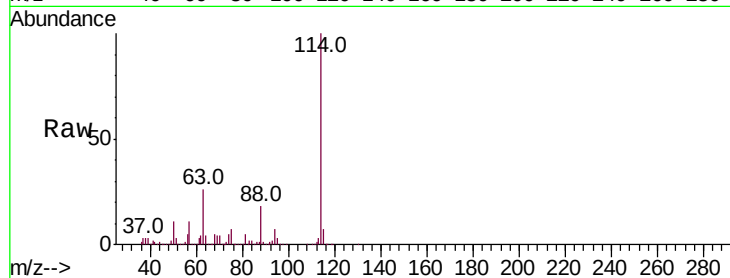


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 19 Nov 2021 19:25

Tot Ion:1
 Ion Rati
 114 100
 63 26.
 88 18.

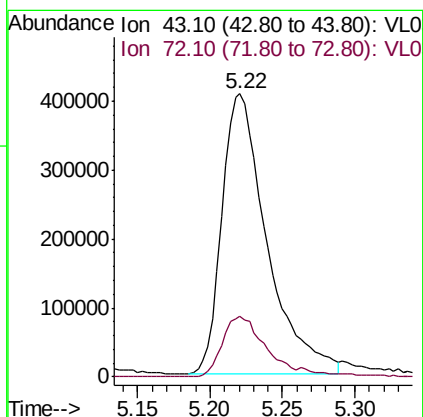
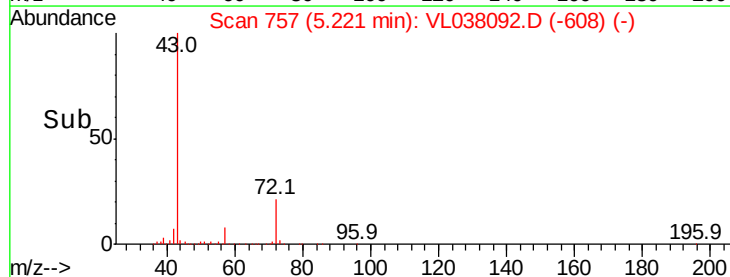
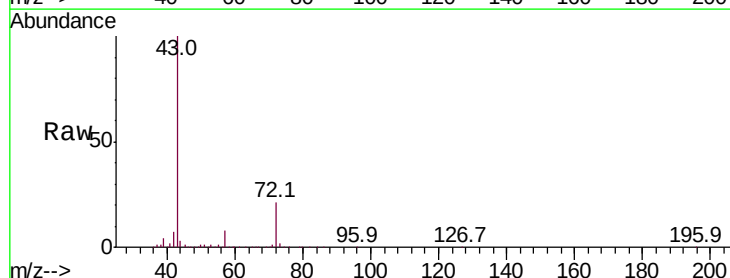
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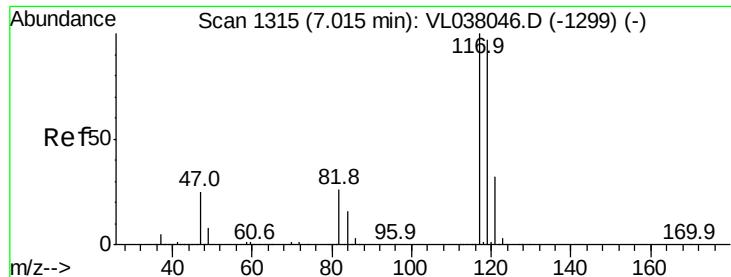
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#34
 2-Butanone
 Concen: 9.655 ppbv
 RT: 5.22 min Scan# 757
 Delta R.T. -0.02 min
 Lab File: VL038092.D
 Acq: 19 Nov 2021 19:25

Tgt Ion: 43 Resp: 880490
 Ion Ratio Lower Upper
 43 100
 72 22.6 18.8 28.2



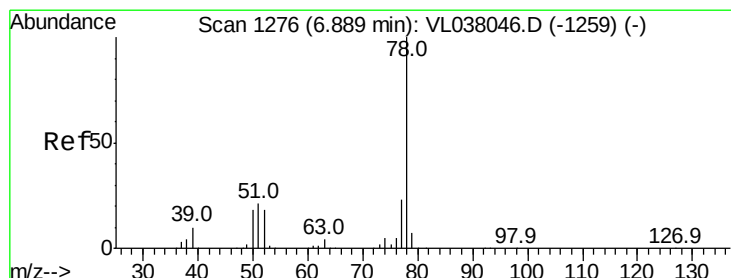
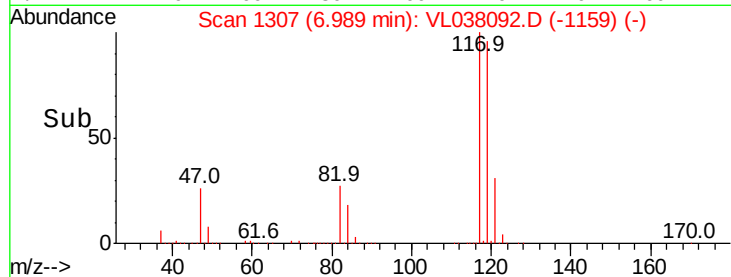
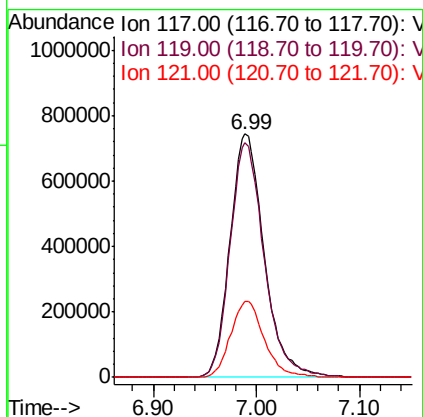
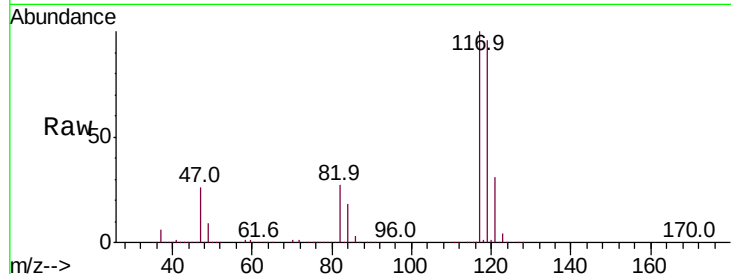


#35
 Carbon Tetrachloride
 Concen: 10.835 ppbv
 RT: 6.99
 Instrument: MSVOA_L
 Delta R.T.:
 Client Sample Id:
 Lab File: VSTDCCC010EC
 Acq: 19 Nov 2021 19:25

Tot Ion: 1
 Ion Ratio
 117 100
 119 96.
 121 31.

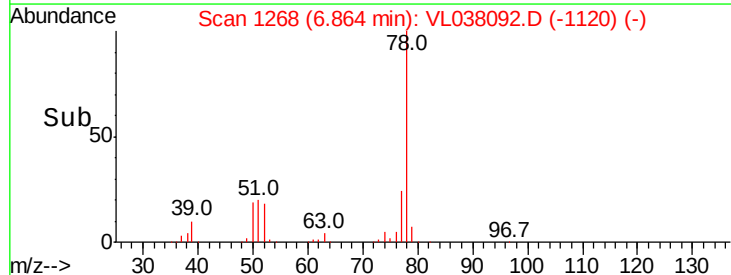
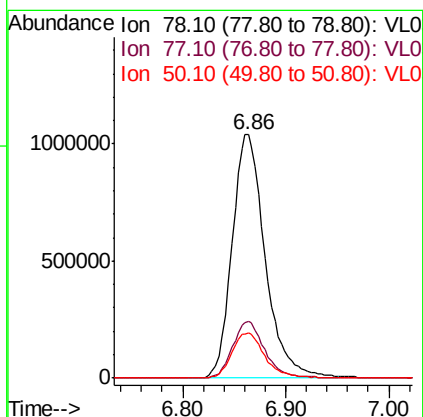
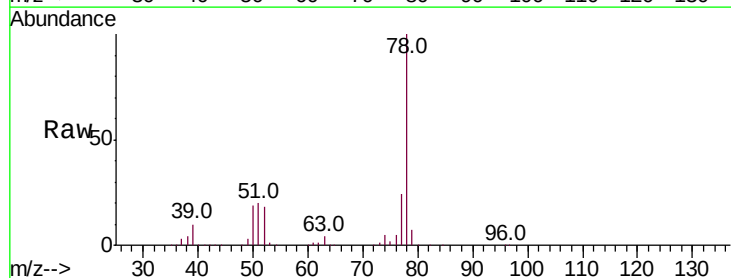
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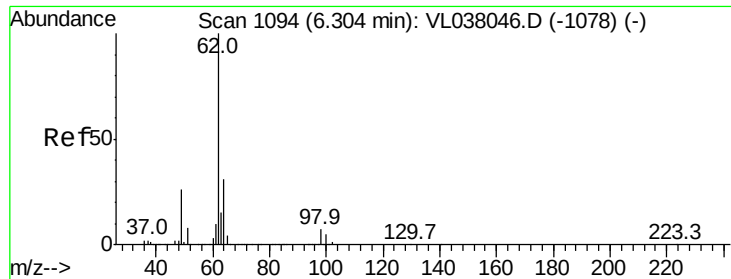
Reviewed By : Semsettin Yesilyurt 11/25/2021
 Supervised By : Mahesh Dadoda 11/29/2021



#36
 Benzene
 Concen: 10.288 ppbv
 RT: 6.86 min Scan# 1268
 Delta R.T. -0.03 min
 Lab File: VL038092.D
 Acq: 19 Nov 2021 19:25

Tgt Ion: 78 Resp: 2320974
 Ion Ratio Lower Upper
 78 100
 77 23.5 18.2 27.4
 50 18.6 14.7 22.1





#37

1,2-Dichloroethane

Concen: 11.826 ppbv

RT: 6.28

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Nov 2021 19:25

Tot Ion:

Ion Ratio

62 100

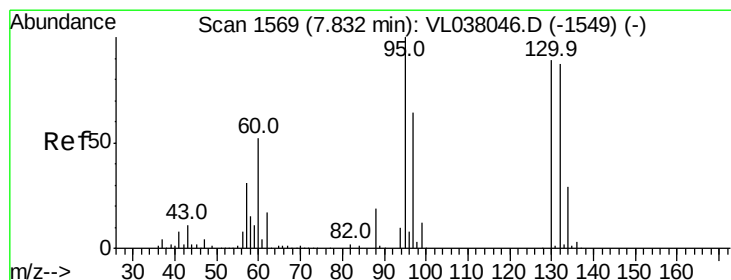
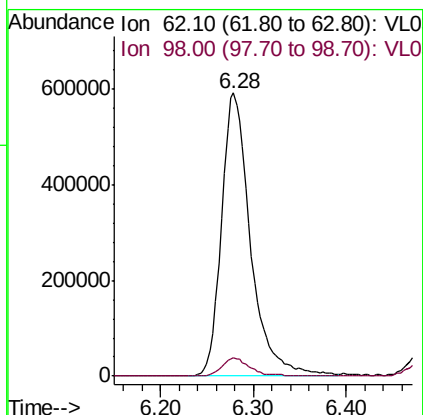
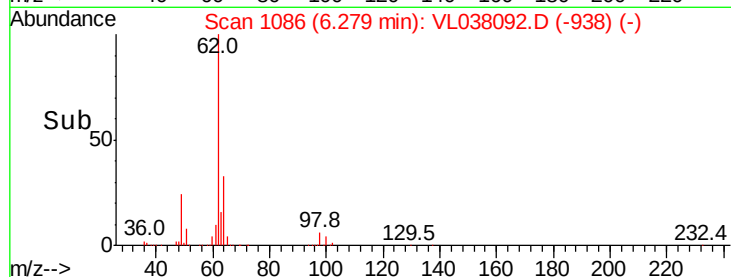
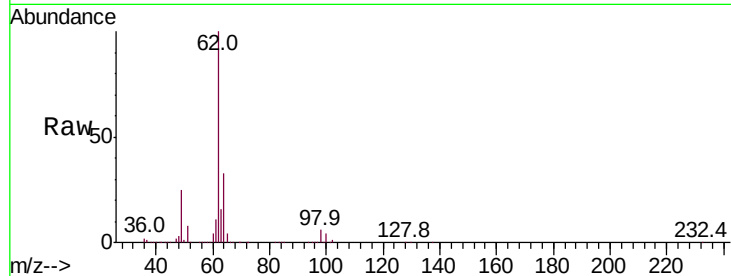
98 6.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#38

Trichloroethene

Concen: 9.478 ppbv

RT: 7.81 min Scan# 1561

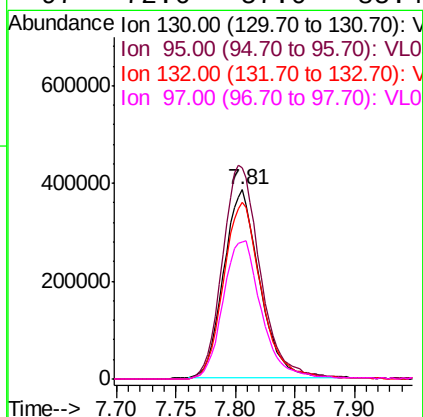
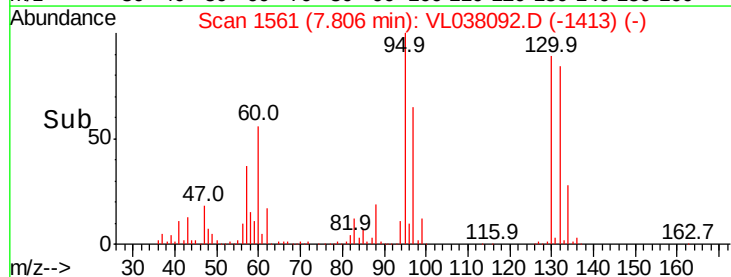
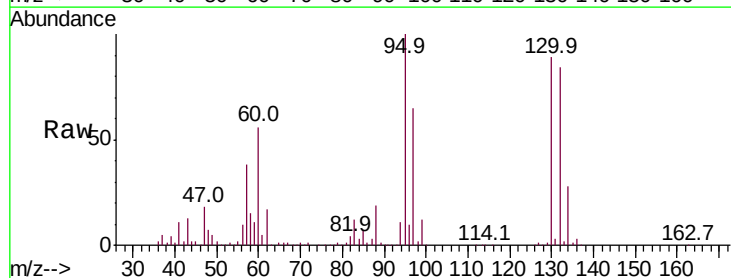
Delta R.T. -0.03 min

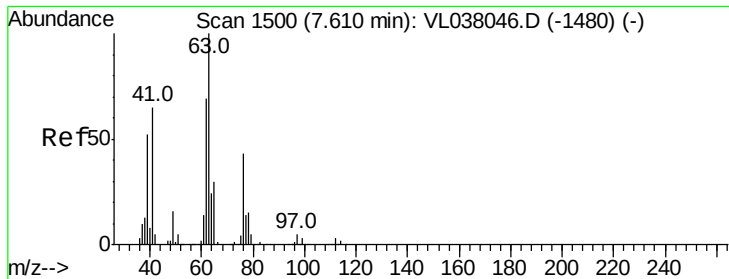
Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

Tgt Ion:130 Resp: 806563

Ion	Ratio	Lower	Upper
130	100		
95	112.3	89.4	134.2
132	94.1	78.2	117.2
97	72.6	57.0	85.4



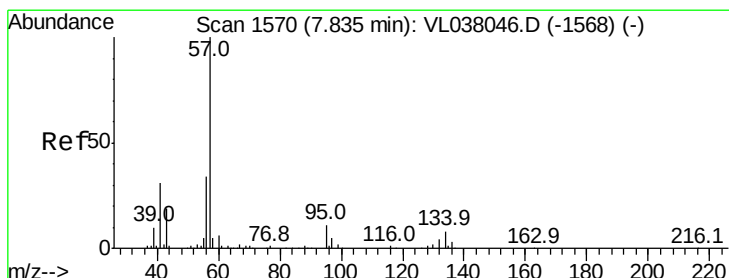
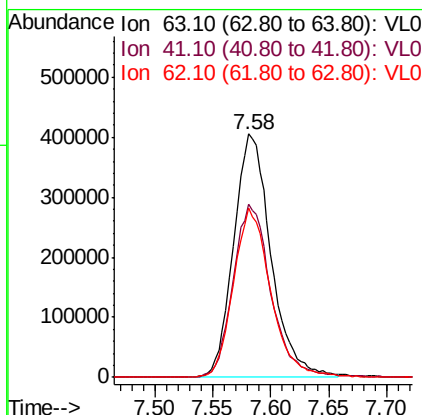
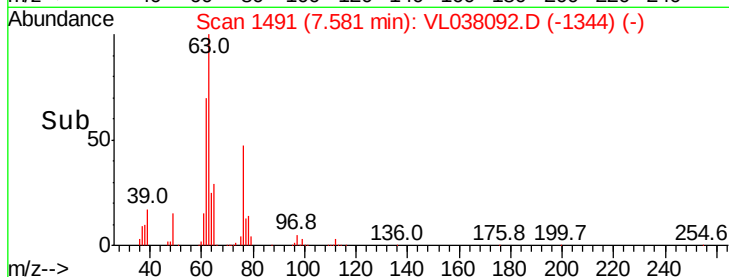
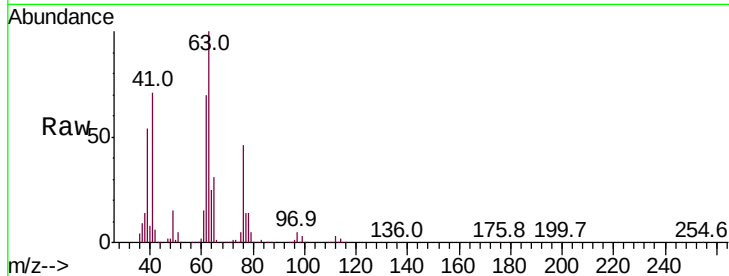


#39
 1,2-Dichloropropane
 Concen: 10.457 ppbv
 RT: 7.58
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 19 Nov 2021 19:25

Tot Ion:
 Ion Ratio
 63 100
 41 70.
 62 69.

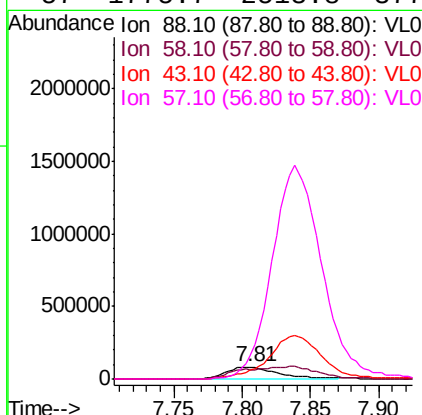
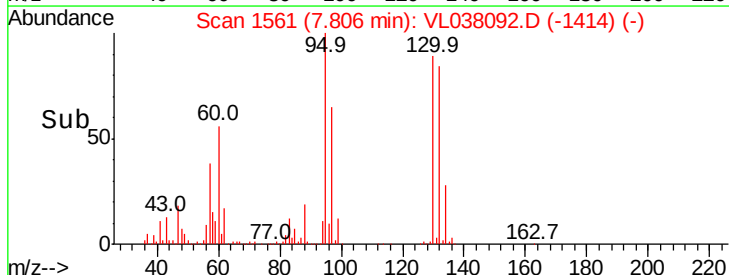
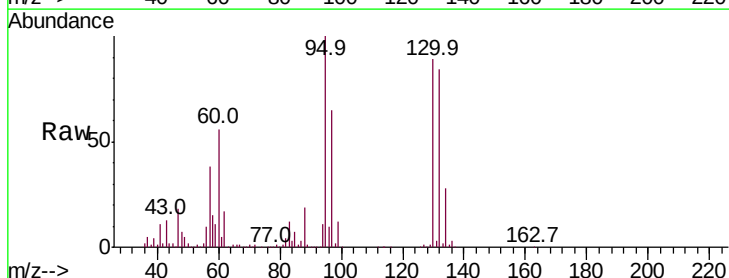
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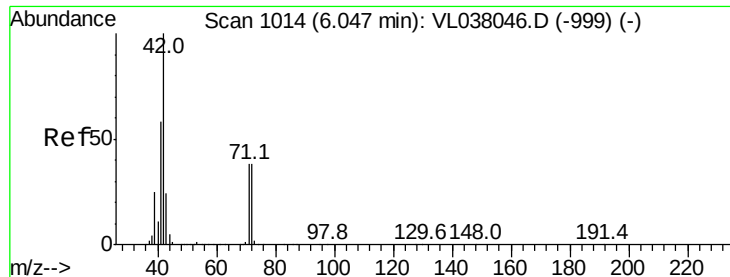
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#40
 1,4-Dioxane
 Concen: 9.421 ppbv
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.03 min
 Lab File: VL038092.D
 Acq: 19 Nov 2021 19:25

Tgt Ion: 88 Resp: 212412
 Ion Ratio Lower Upper
 88 100
 58 161.7 229.2 343.8#
 43 393.8 553.3 829.9#
 57 1775.7 2513.8 3770.8#





#41

Tetrahydrofuran

Concen: 10.252 ppbv

RT: 6.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Nov 2021 19:25

Tot Ion:

Ion Ratio

42 100

72 38.

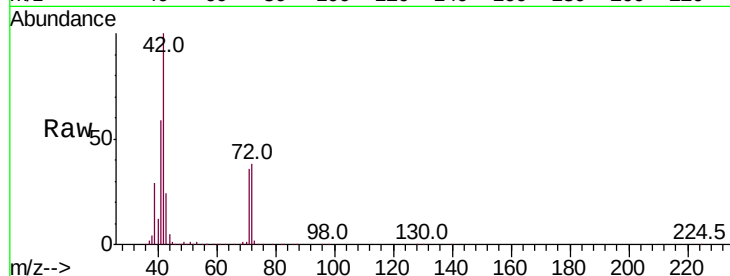
71 37.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

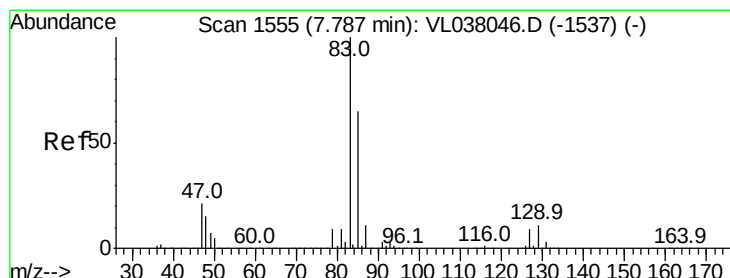
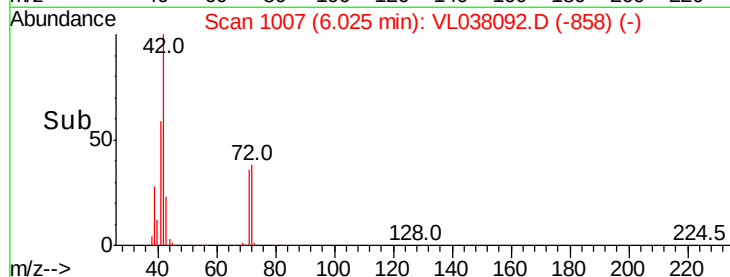
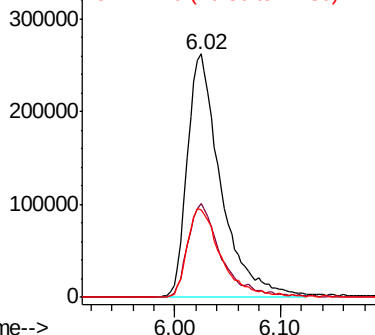
Supervised By :Mahesh Dadoda 11/29/2021



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 11.114 ppbv

RT: 7.76 min Scan# 1547

Delta R.T. -0.03 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

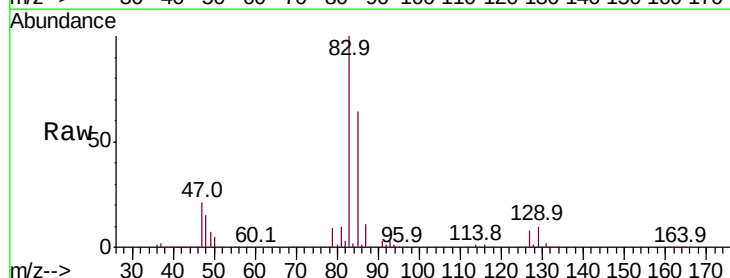
Tgt Ion: 83 Resp: 1841044

Ion Ratio Lower Upper

83 100

85 64.4 51.9 77.9

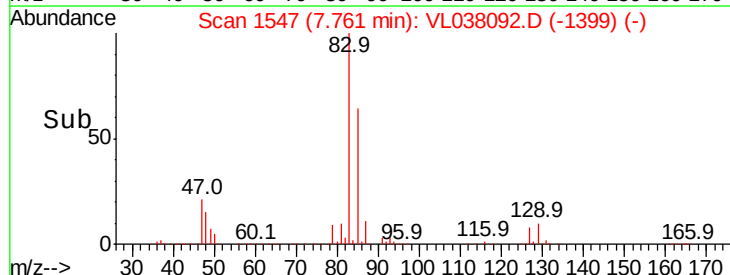
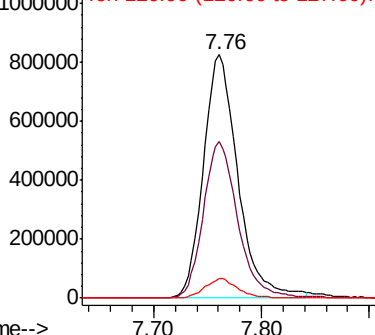
127 8.1 6.8 10.2

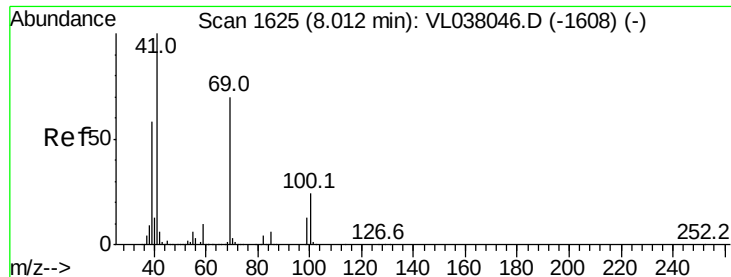


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V



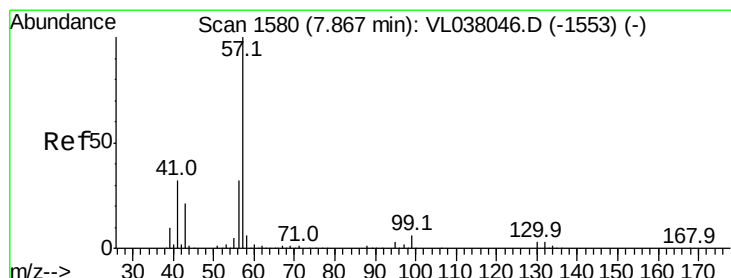
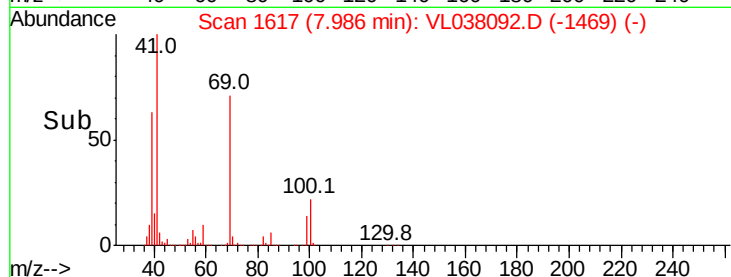
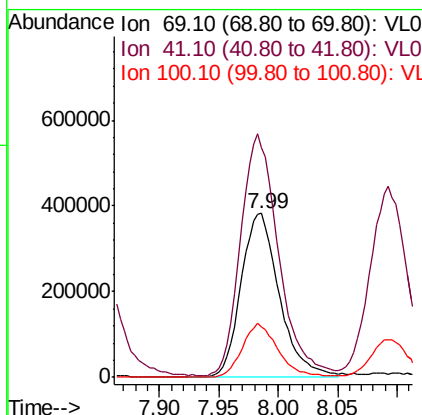
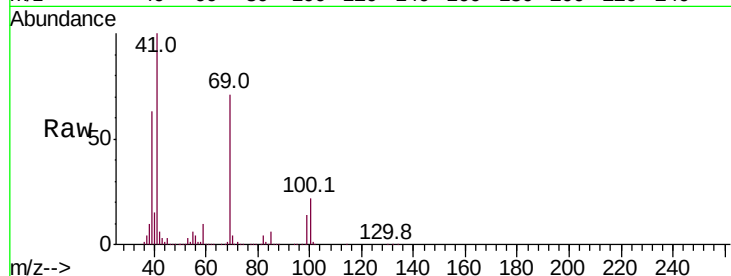


#43
Methyl Methacrylate
Concen: 11.079 ppbv
RT: 7.99
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 19 Nov 2021 19:25

Tot Ion:
Ion Ratio
69 100
41 148.
100 30.

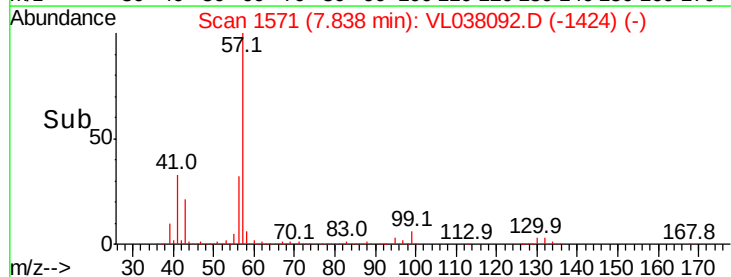
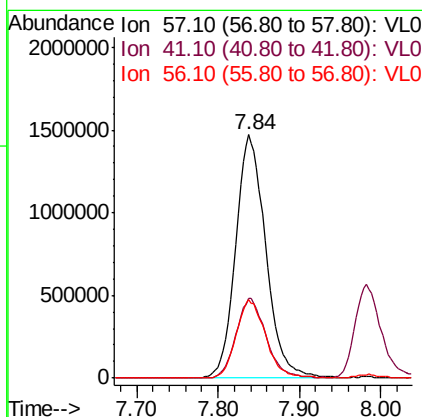
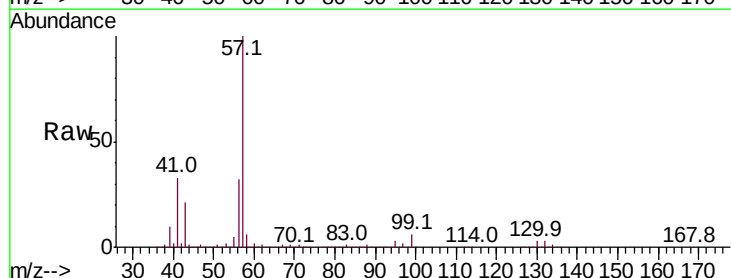
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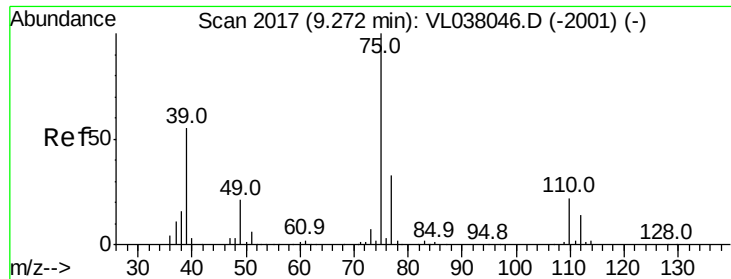
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#44
2,2,4-Trimethylpentane
Concen: 9.987 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.03 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

Tgt Ion: 57 Resp: 3769443
Ion Ratio Lower Upper
57 100
41 32.4 25.8 38.6
56 31.5 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 12.332 ppbv

RT: 9.25 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion:

Ion Ratio

75 100

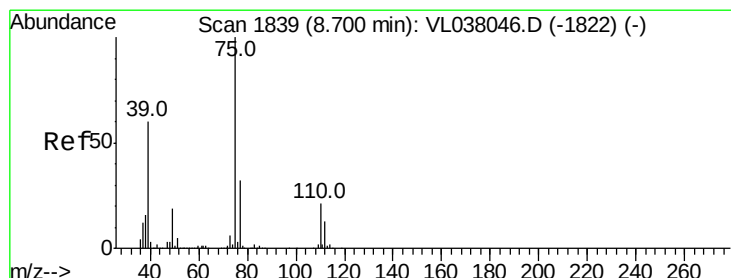
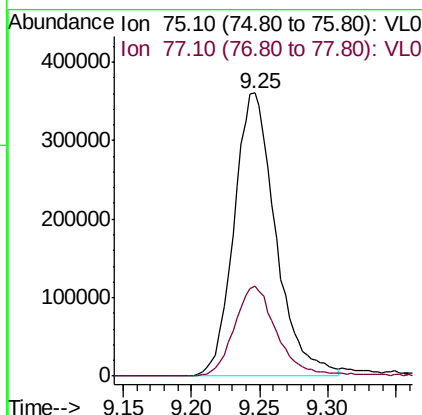
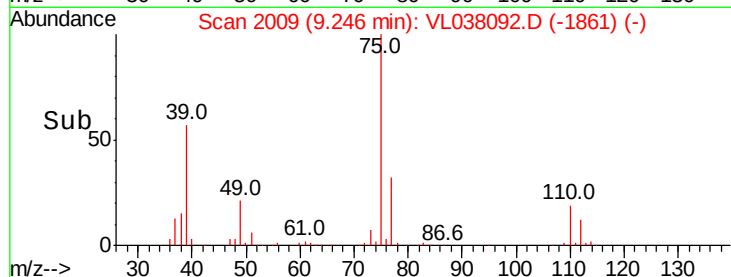
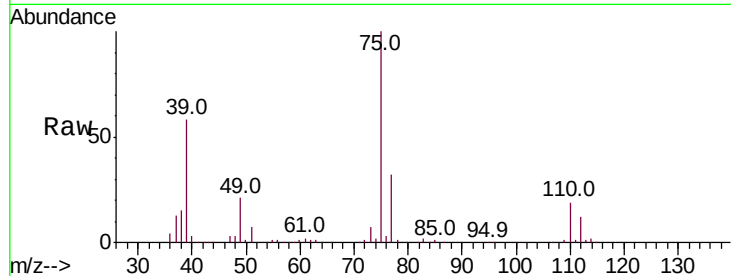
77 31.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#46

cis-1,3-Dichloropropene

Concen: 11.711 ppbv

RT: 8.67 min Scan# 1830

Delta R.T. -0.03 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

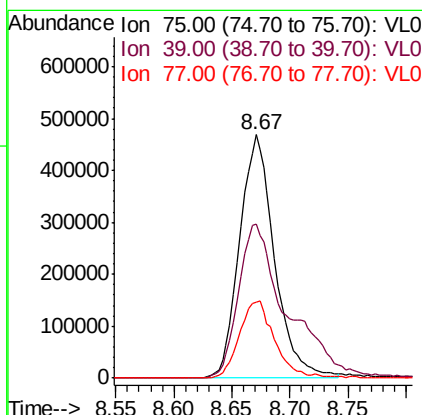
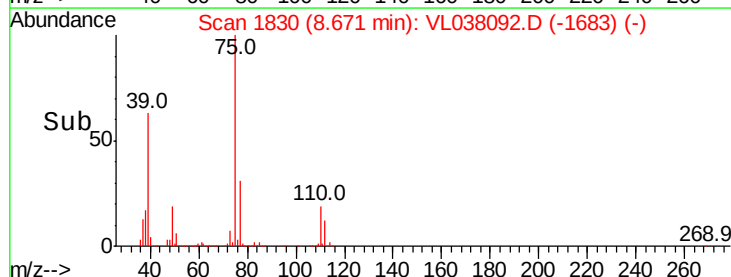
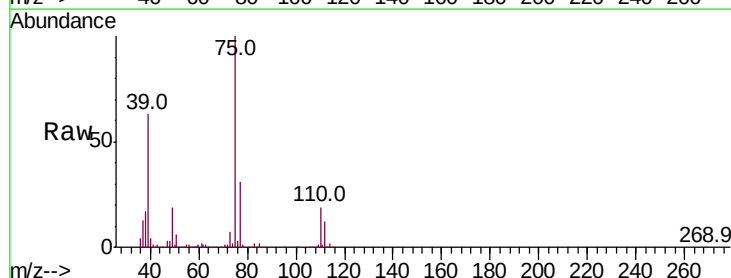
Tgt Ion: 75 Resp: 980667

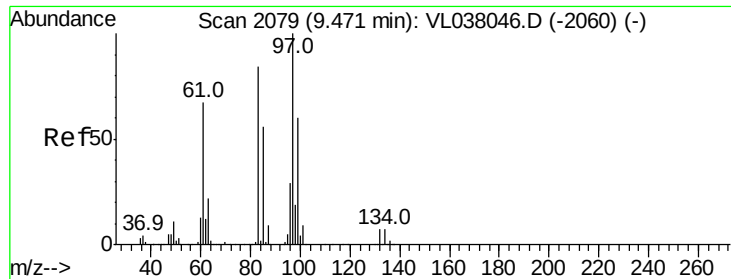
Ion Ratio Lower Upper

75 100

39 63.2 47.8 71.8

77 31.4 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 9.950 ppbv

RT: 9.44

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDCCC010EC

Acq: 19 Nov 2021 19:25

Tot Ion:

Ion Ratio

97 100

83 92.

85 62.

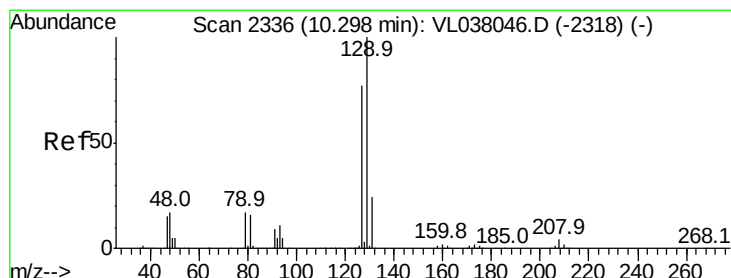
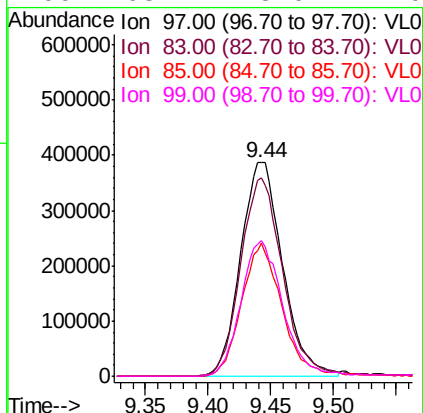
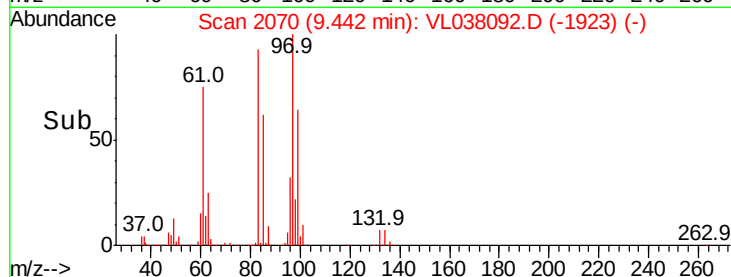
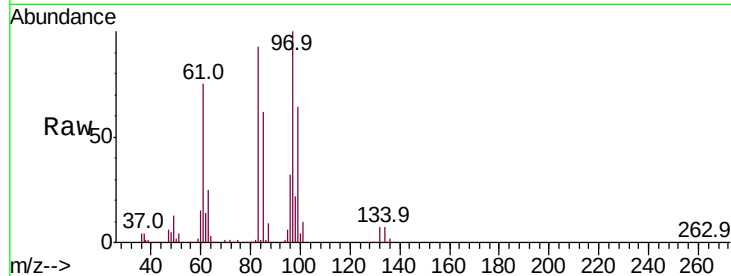
99 63.7 48.0 72.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#48

Dibromochloromethane

Concen: 10.618 ppbv

RT: 10.27 min Scan# 2327

Delta R.T. -0.03 min

Lab File: VL038092.D

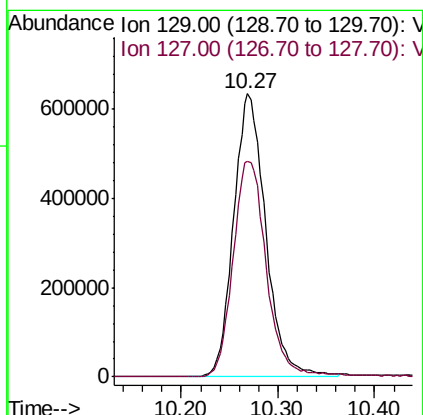
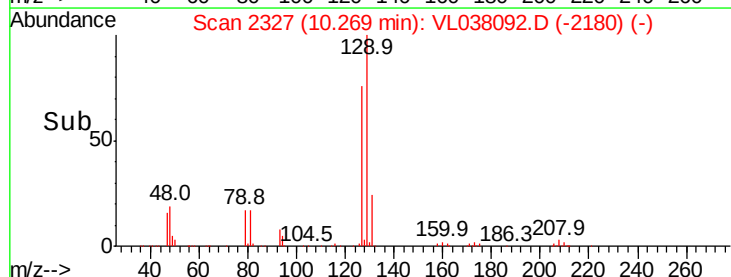
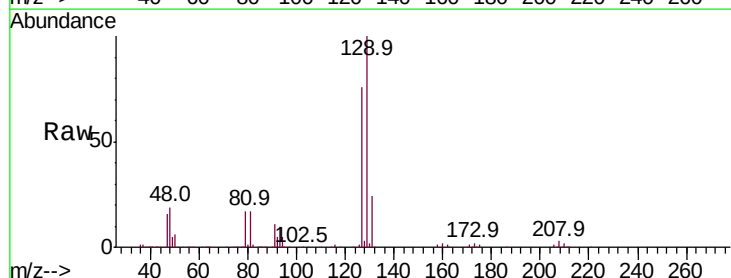
Acq: 19 Nov 2021 19:25

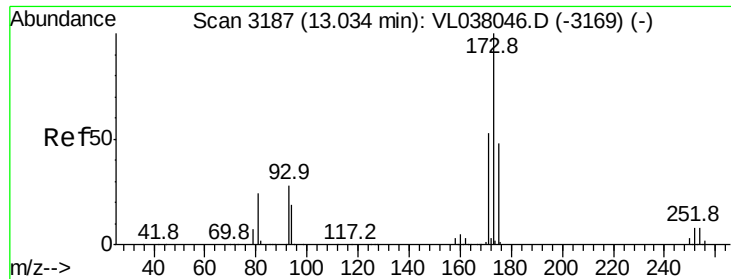
Tgt Ion:129 Resp: 1465552

Ion Ratio Lower Upper

129 100

127 80.2 39.4 118.1



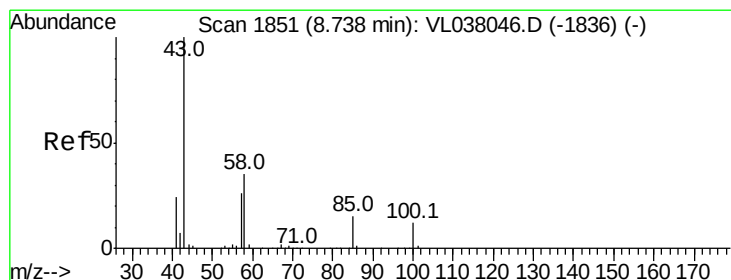
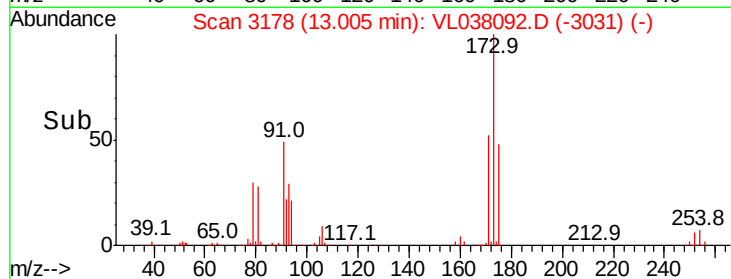
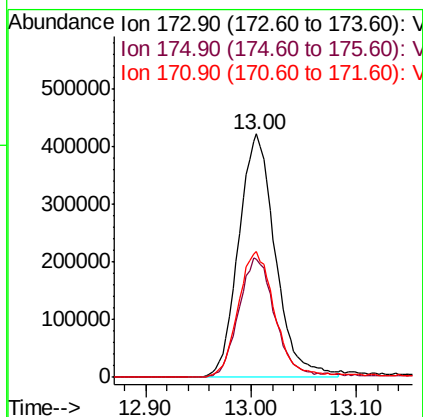
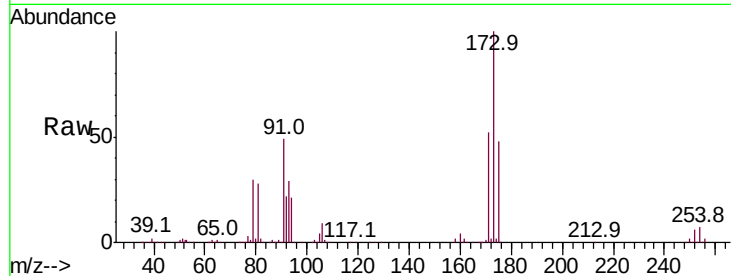


#49
Bromoform
Concen: 10.334 ppbv
RT: 13.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion:1
Ion Rati
173 100
175 51.
171 53.

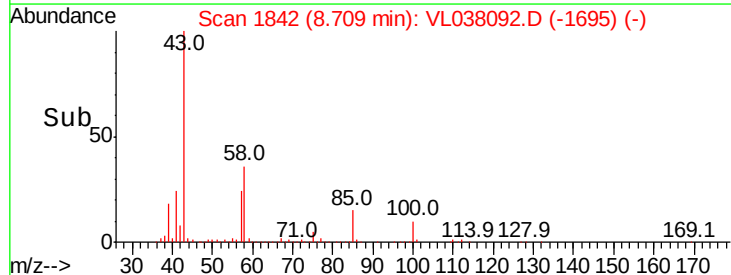
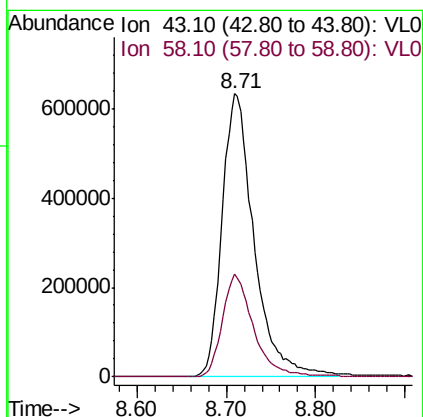
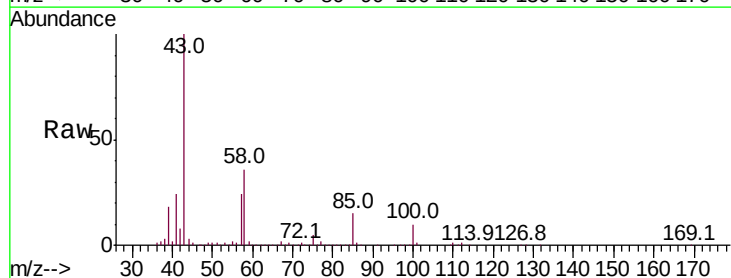
Manual Integrations
APPROVED

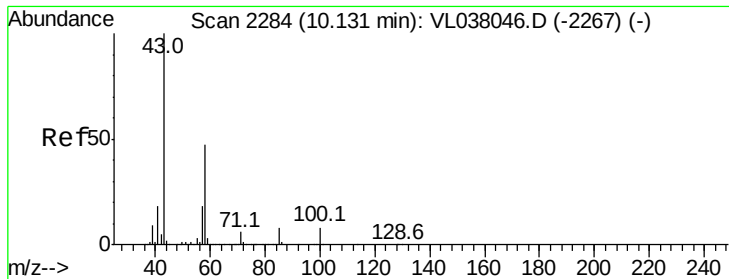
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#50
4-Methyl-2-Pentanone
Concen: 11.341 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. -0.03 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

Tgt Ion: 43 Resp: 1570746
Ion Ratio Lower Upper
43 100
58 35.7 29.4 44.2





#51

2-Hexanone

Concen: 11.361 ppbv

RT: 10.10

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion:

Ion Ratio

43 100

58 50.

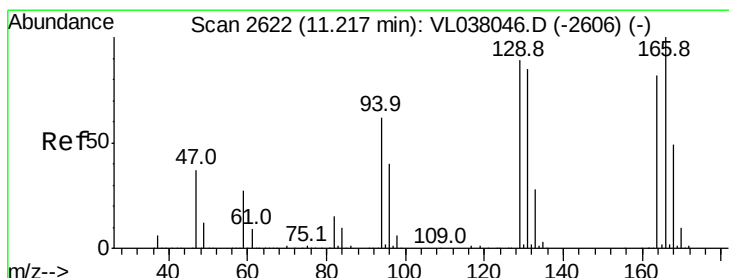
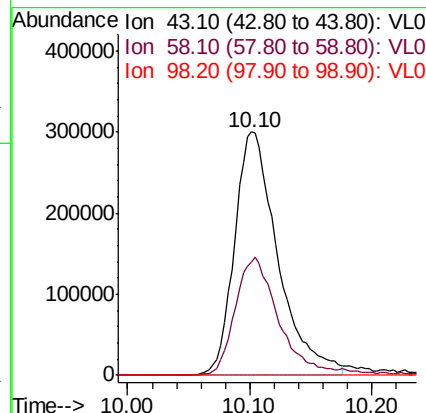
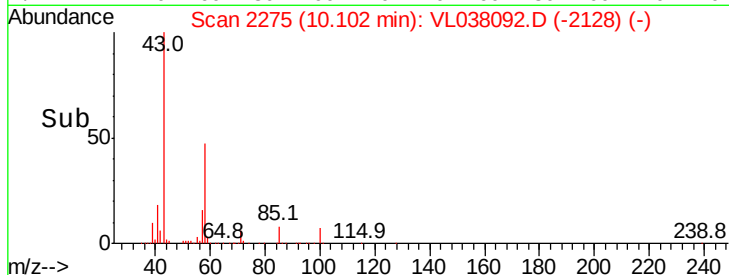
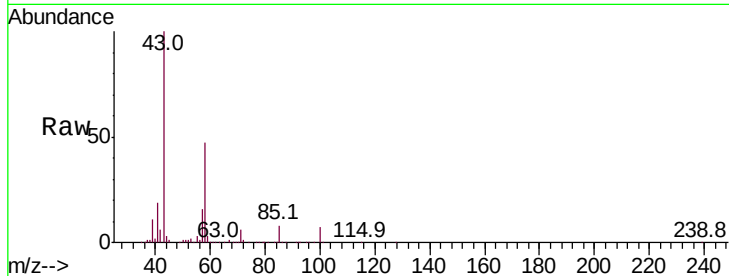
98 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#52

Tetrachloroethene

Concen: 8.852 ppbv

RT: 11.19 min Scan# 2613

Delta R.T. -0.03 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

Tgt Ion:164 Resp: 738974

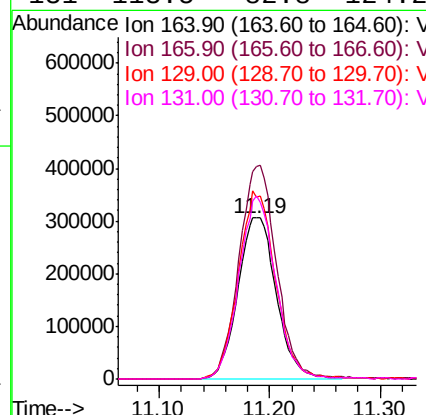
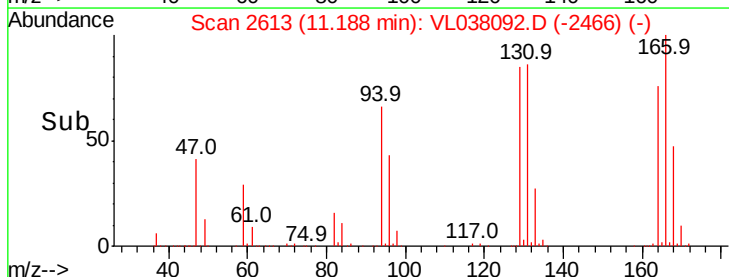
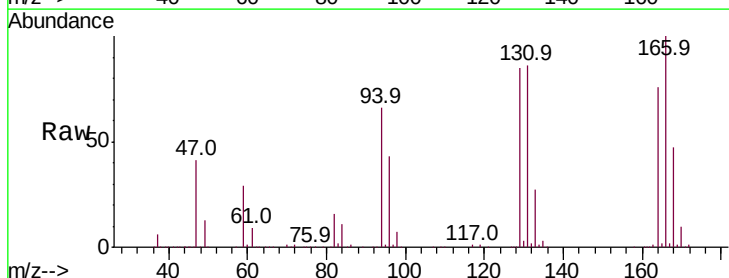
Ion Ratio Lower Upper

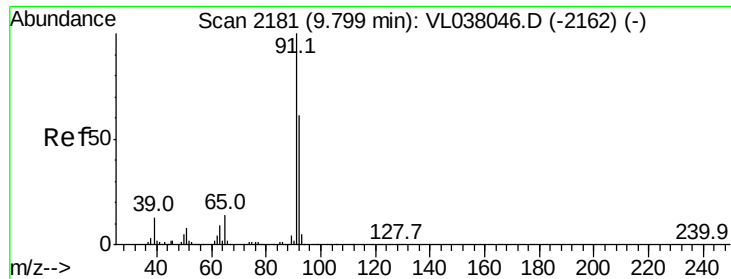
164 100

166 132.3 97.2 145.8

129 112.8 86.9 130.3

131 113.5 82.8 124.2



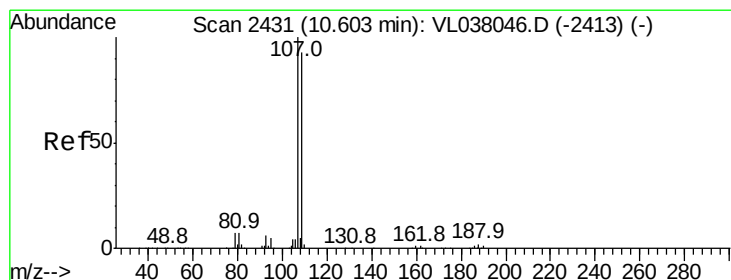
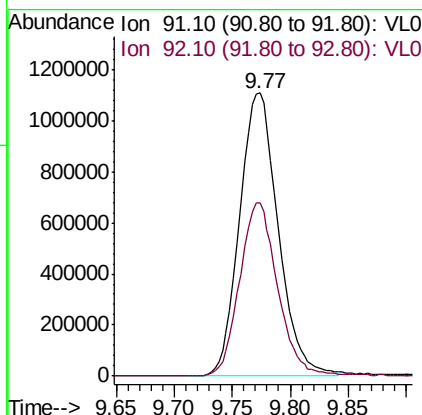
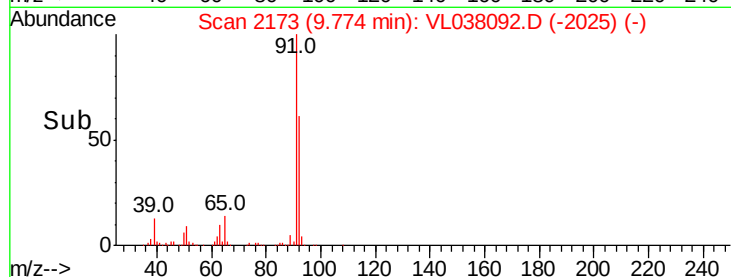
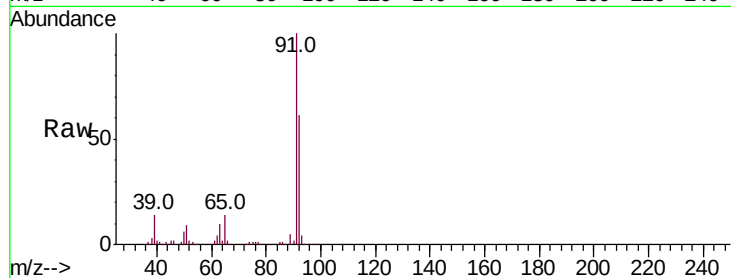


#53
Toluene
Concen: 9.905 ppbv
RT: 9.77
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 19 Nov 2021 19:25
VSTDCCC010EC

Tot Ion:
Ion Ratio
91 100
92 61.

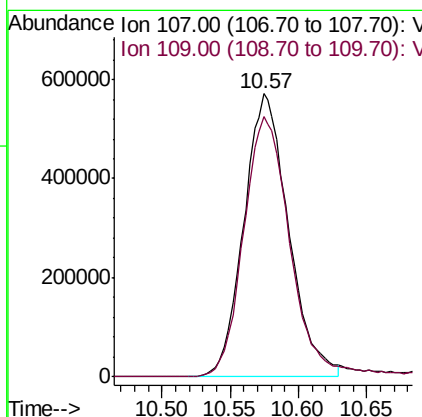
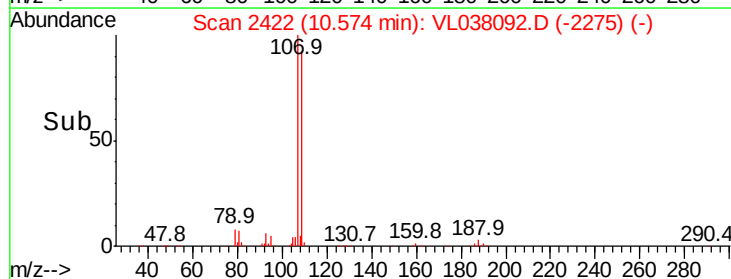
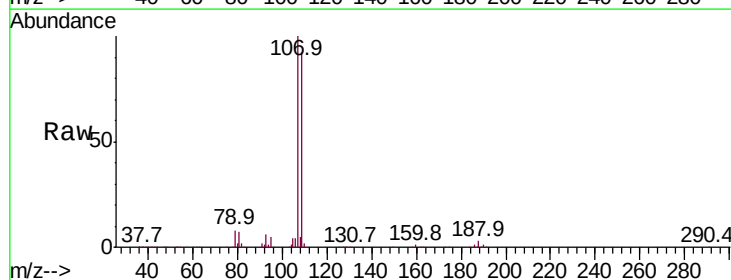
Manual Integrations
APPROVED

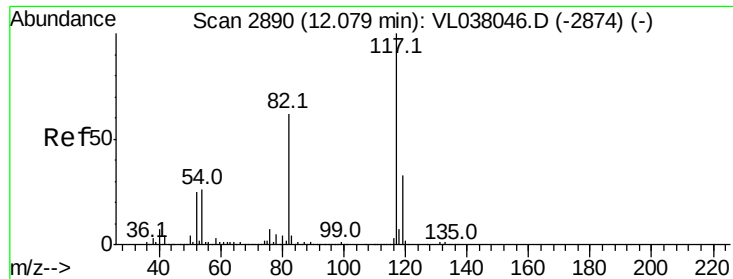
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#54
1,2-Dibromoethane
Concen: 10.131 ppbv
RT: 10.57 min Scan# 2422
Delta R.T. -0.03 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

Tgt Ion:107 Resp: 1296988
Ion Ratio Lower Upper
107 100
109 91.9 74.6 111.8



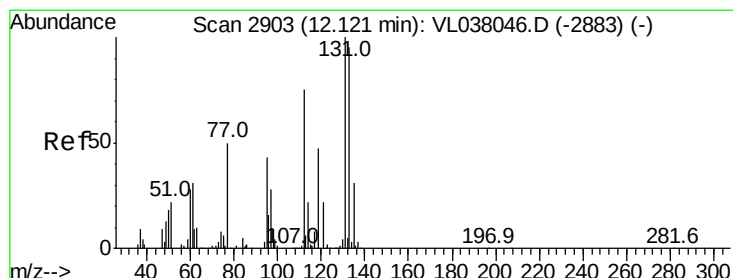
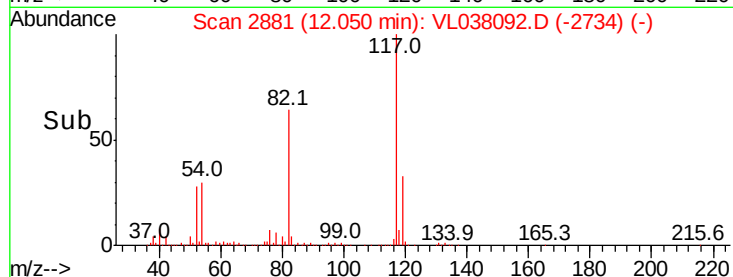
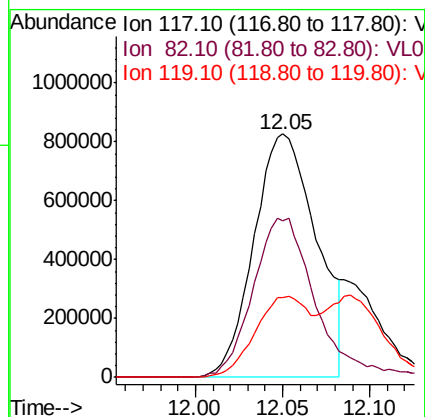
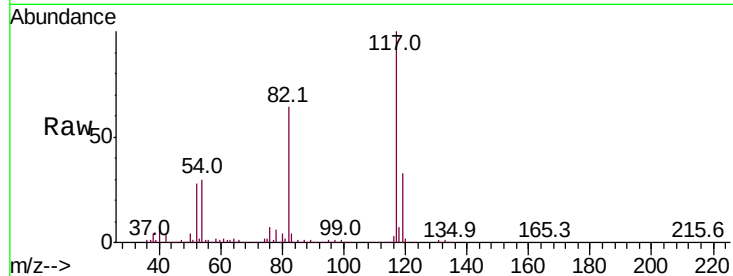


#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.05
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 19 Nov 2021 19:25

Tot Ion:1
Ion Rati
117 100
82 67.
119 29.

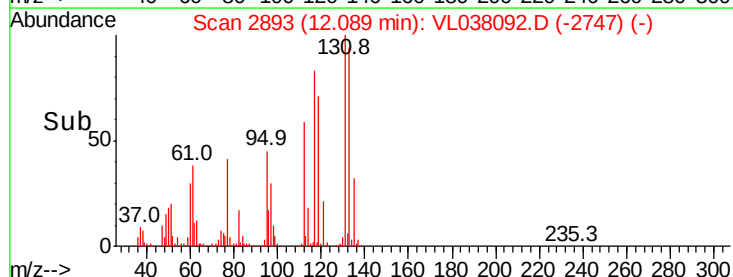
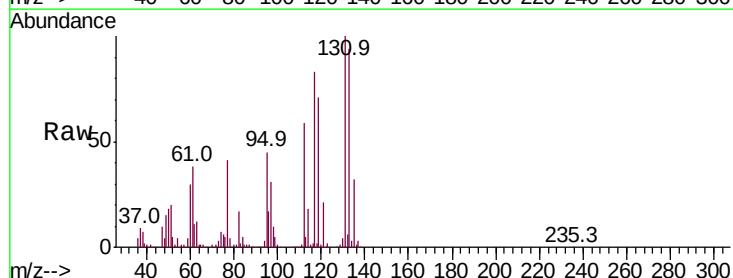
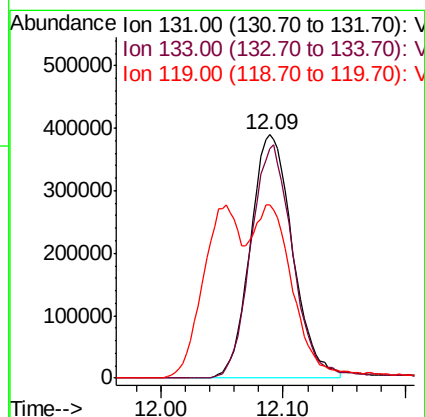
Manual Integrations
APPROVED

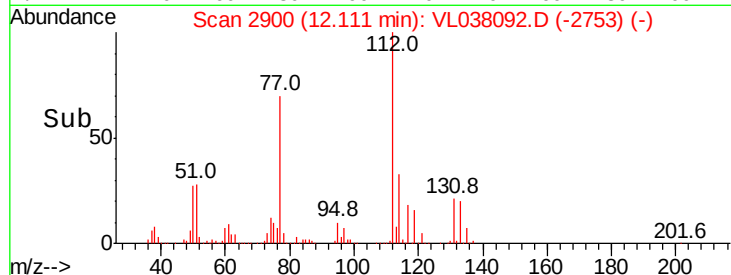
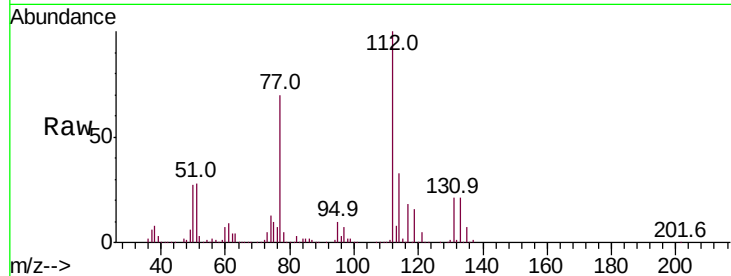
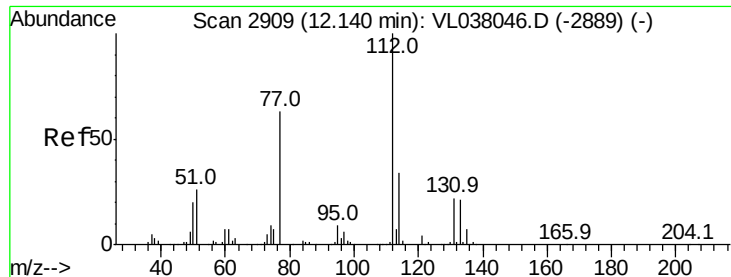
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#56
1,1,1,2-Tetrachloroethane
Concen: 9.965 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.03 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

Tgt Ion:131 Resp: 932358
Ion Ratio Lower Upper
131 100
133 97.1 78.8 118.2
119 75.6 56.3 84.5



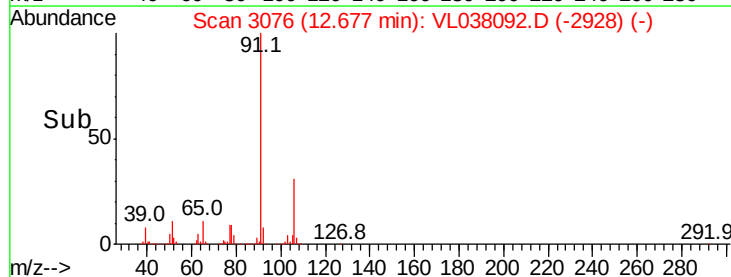
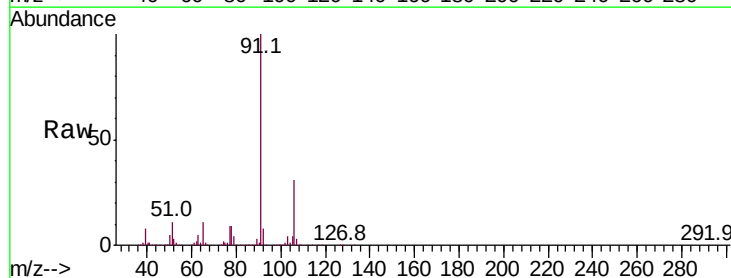
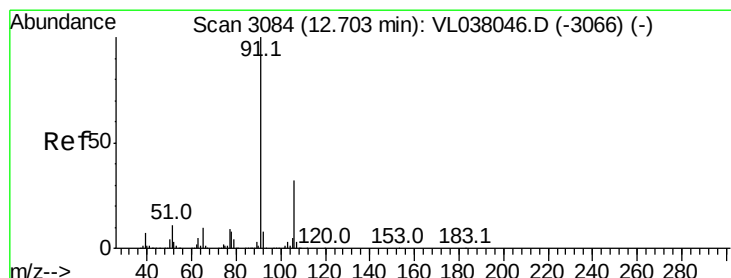
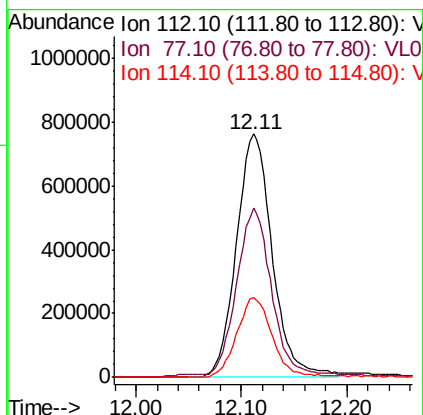


#57
Chlorobenzene
Concen: 9.758 ppbv
RT: 12.11 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 19 Nov 2021 19:25

Tot Ion: 1
Ion Ratio
112 100
77 68.
114 32.

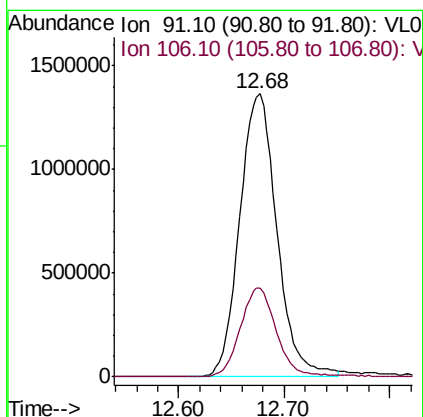
Manual Integrations
APPROVED

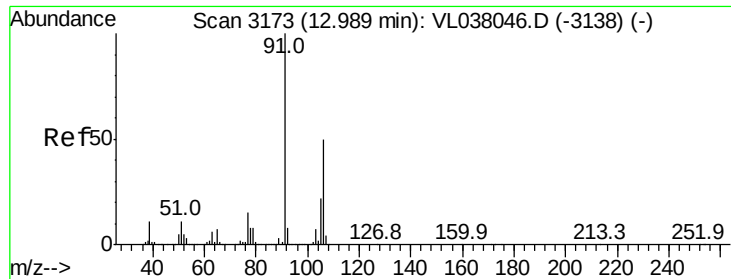
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#58
Ethyl Benzene
Concen: 9.830 ppbv
RT: 12.68 min Scan# 3076
Delta R.T. -0.03 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

Tgt Ion: 91 Resp: 3348768
Ion Ratio Lower Upper
91 100
106 31.2 25.8 38.6



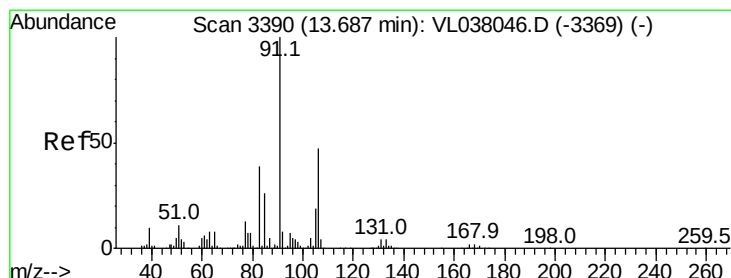
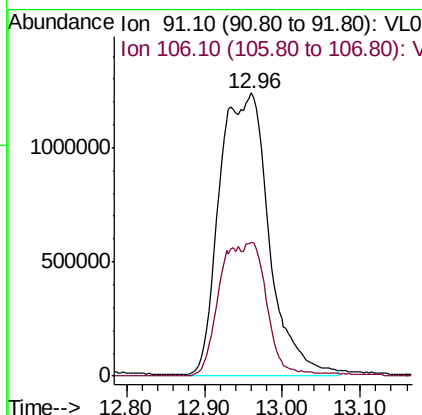
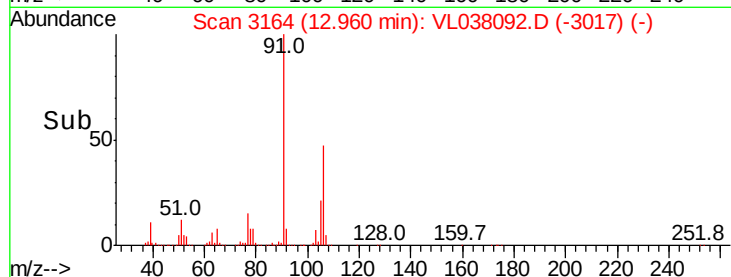
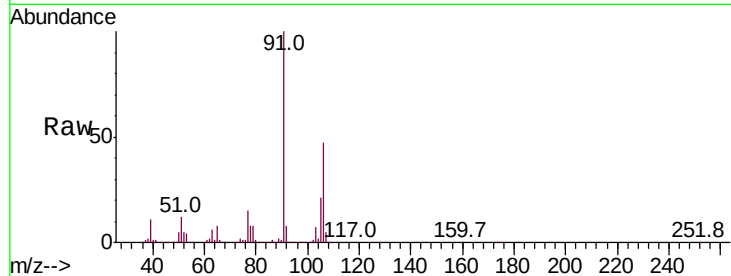


#59
m/p-Xylene
Concen: 19.172 ppbv m
RT: 12.96
Instrument : MSVOA_1
Delta R.T. :
ClientSampleId :
Lab File: VSTDCCC010EC
Acq: 19 Nov 2021 19:25

Tot Ion:
Ion Ratio
91 100
106 45.

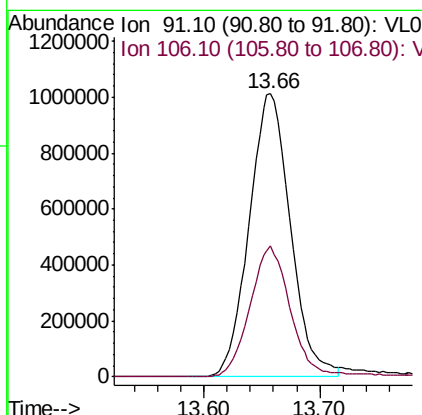
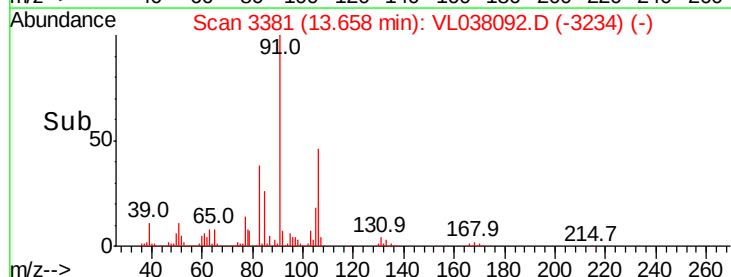
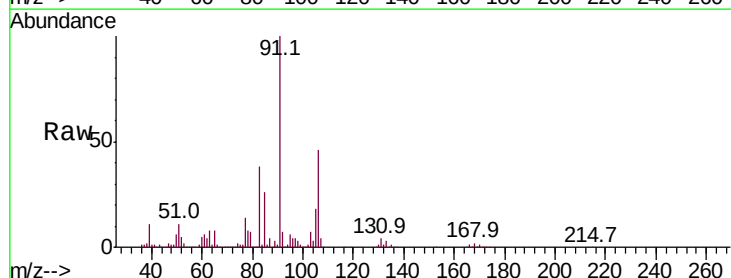
Manual Integrations
APPROVED

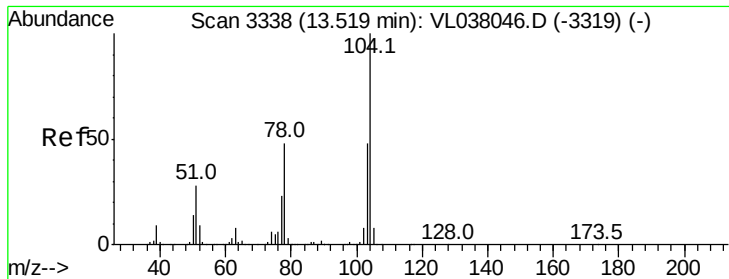
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#60
o-Xylene
Concen: 9.398 ppbv
RT: 13.66 min Scan# 3381
Delta R.T. -0.03 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

Tgt Ion: 91 Resp: 2500018
Ion Ratio Lower Upper
91 100
106 46.5 24.2 72.6



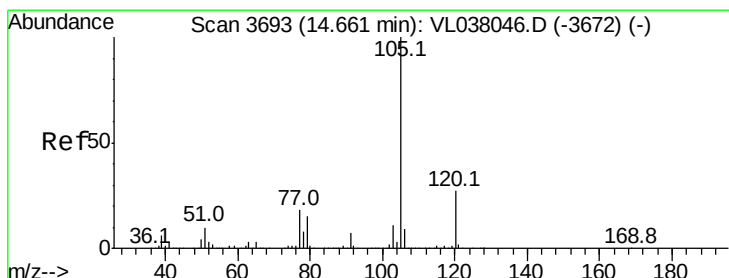
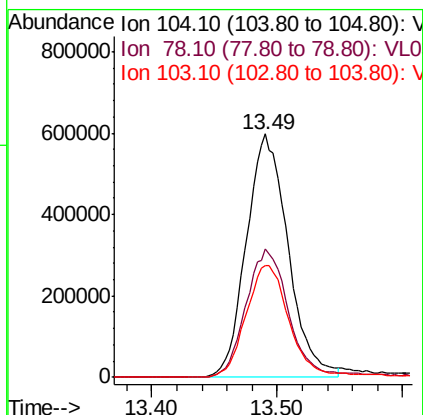
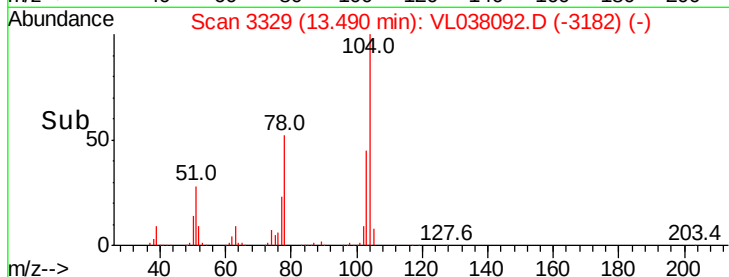
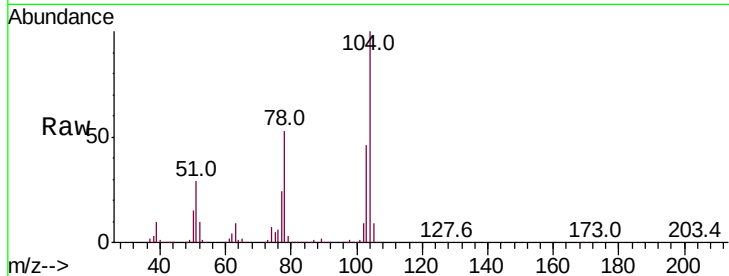


#61
Stvrene
Concen: 9.706 ppbv
RT: 13.49
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 19:25

Tot Ion:1
Ion Rati
104 100
78 55.
103 48.

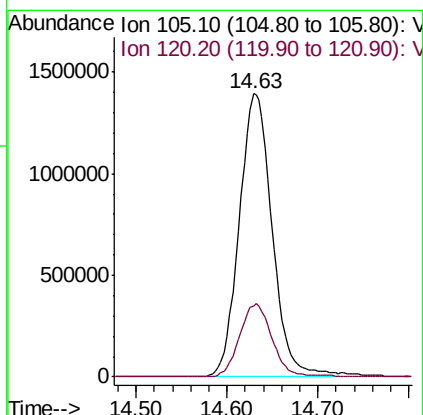
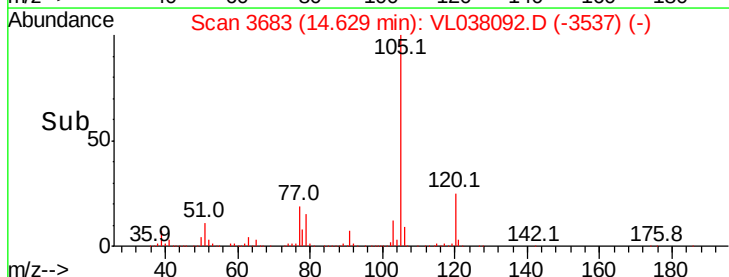
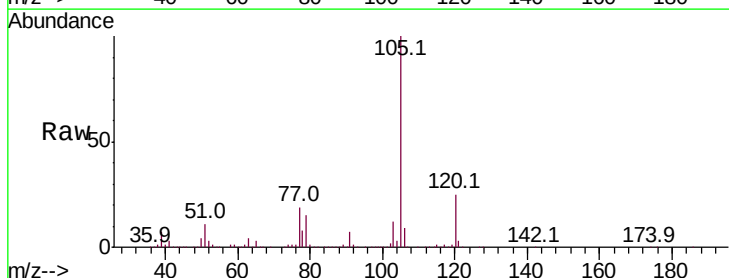
Manual Integrations
APPROVED

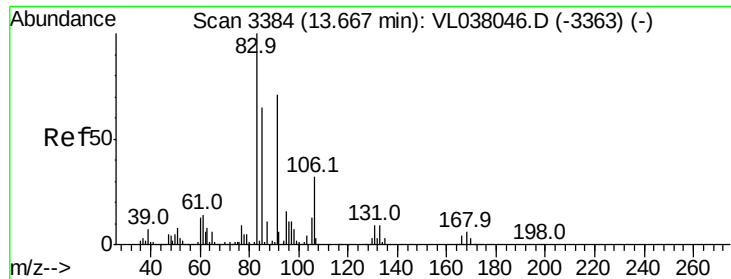
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#62
Isopropylbenzene
Concen: 9.266 ppbv
RT: 14.63 min Scan# 3683
Delta R.T. -0.03 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

Tgt Ion:105 Resp: 3499041
Ion Ratio Lower Upper
105 100
120 25.9 21.8 32.6





#63

1,1,2,2-Tetrachloroethane

Concen: 8.831 ppbv

RT: 13.64

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion:

Ion Ratio

83 100

131 9.

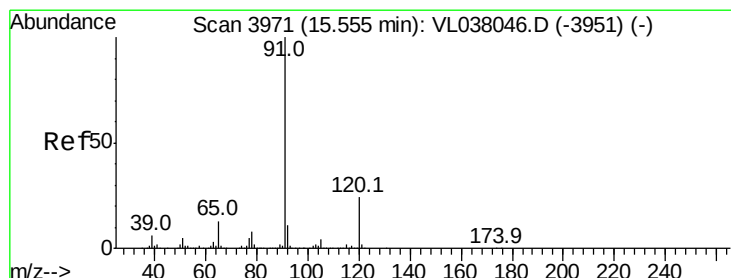
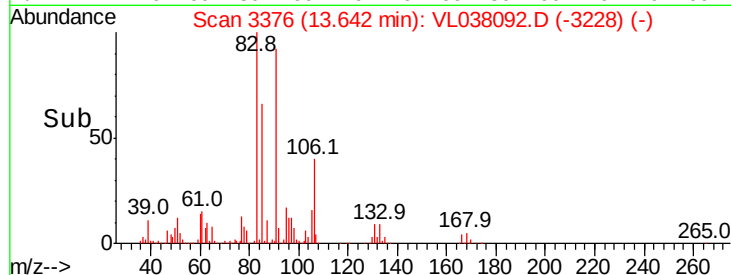
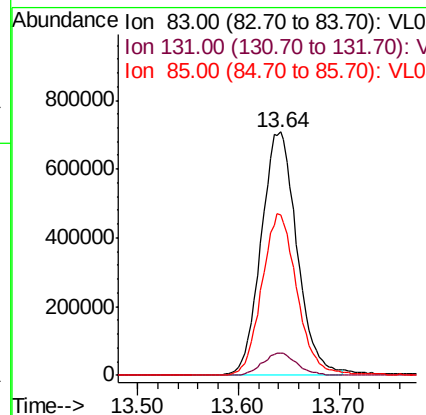
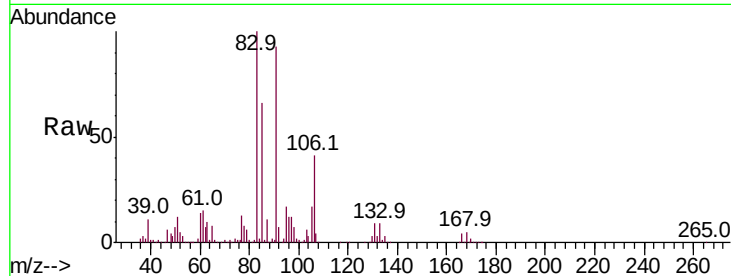
85 66.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#64

n-propylbenzene

Concen: 9.250 ppbv

RT: 15.52 min Scan# 3961

Delta R.T. -0.03 min

Lab File: VL038092.D

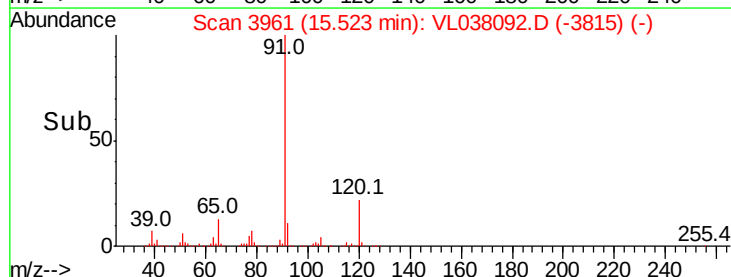
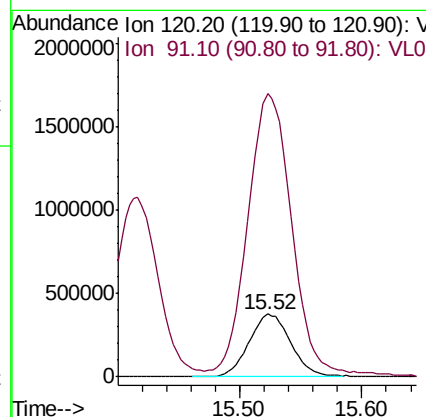
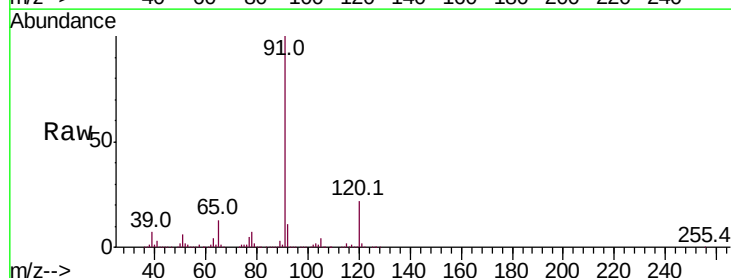
Acq: 19 Nov 2021 19:25

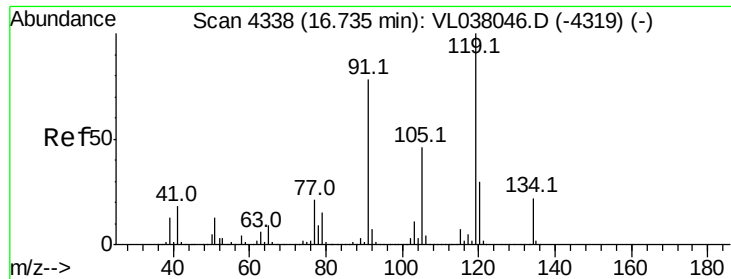
Tgt Ion:120 Resp: 889810

Ion Ratio Lower Upper

120 100

91 480.1 371.7 557.5



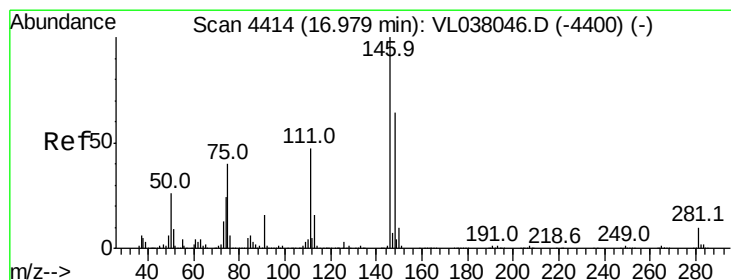
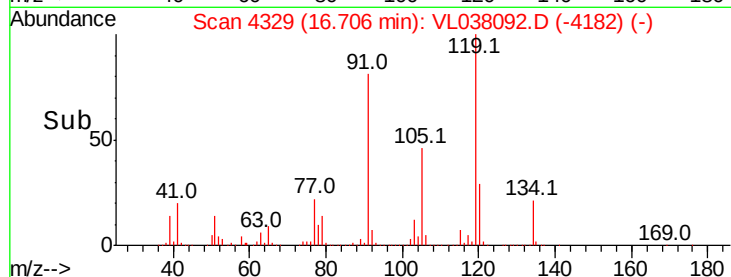
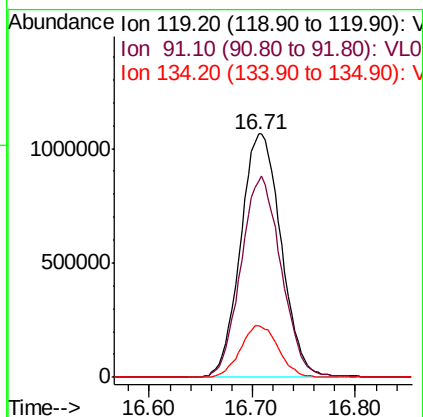
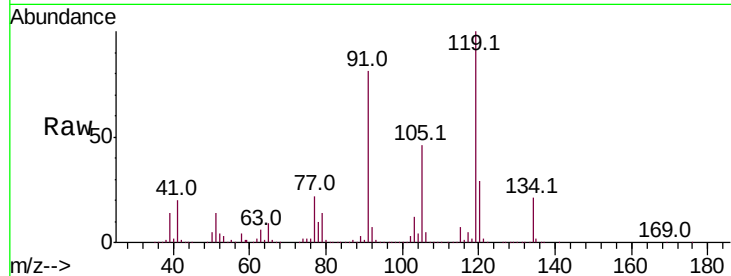


#65
 tert-Butylbenzene
 Concen: 8.714 ppbv
 RT: 16.71 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 19 Nov 2021 19:25

Tot Ion: 1
 Ion Ratio
 119 100
 91 82.
 134 19.

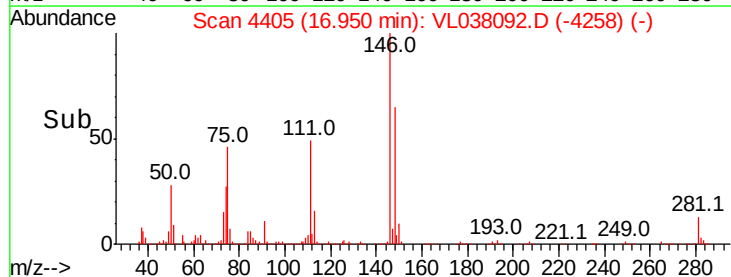
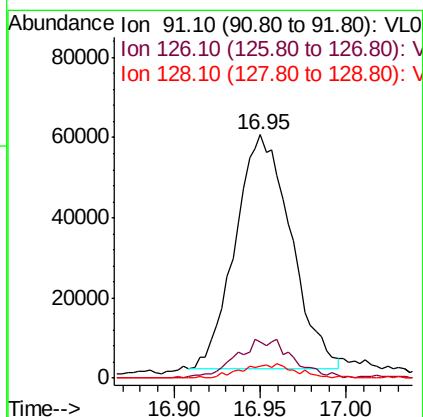
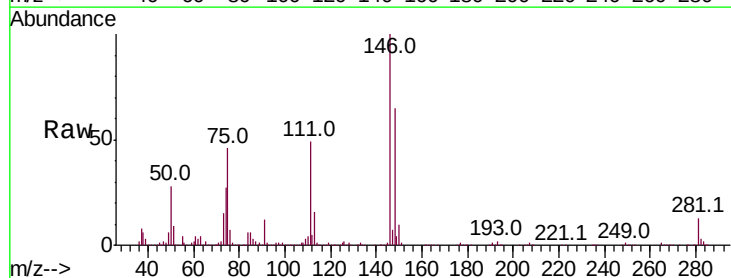
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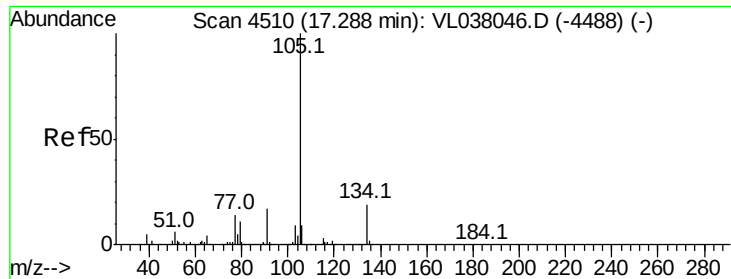
Reviewed By : Semsettin Yesilyurt 11/25/2021
 Supervised By : Mahesh Dadoda 11/29/2021



#66
 Benzyl Chloride
 Concen: 7.754 ppbv
 RT: 16.95 min Scan# 4405
 Delta R.T.: -0.03 min
 Lab File: VL038092.D
 Acq: 19 Nov 2021 19:25

Tgt Ion: 91 Resp: 130748
 Ion Ratio Lower Upper
 91 100
 126 16.8 15.5 23.3
 128 6.2 5.6 8.4





#67

sec-Butylbenzene

Concen: 8.883 ppbv

RT: 17.26

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion:1

Ion Ratio

105 100

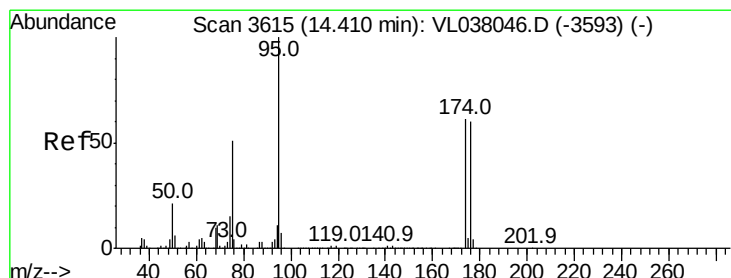
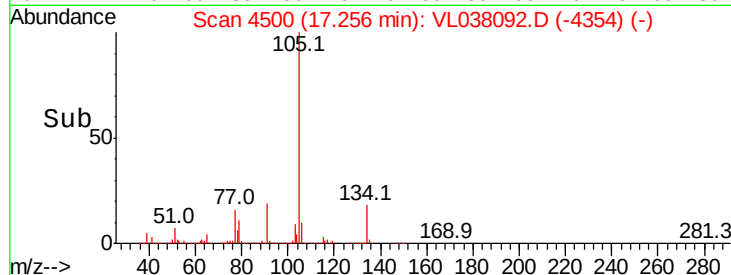
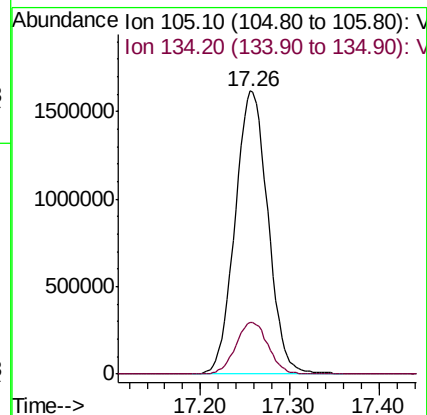
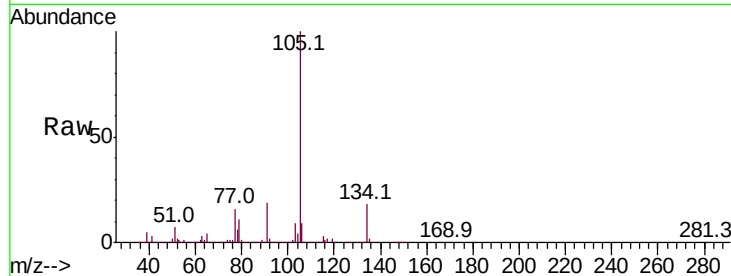
134 18.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#68

1-Bromo-4-Fluorobenzene

Concen: 10.489 ppbv

RT: 14.38 min Scan# 3605

Delta R.T. -0.03 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

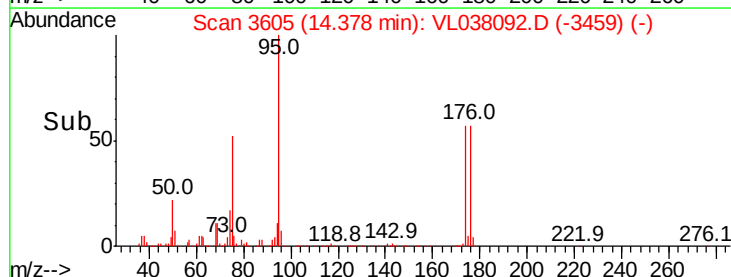
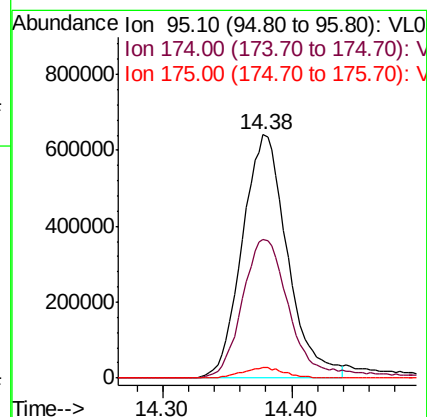
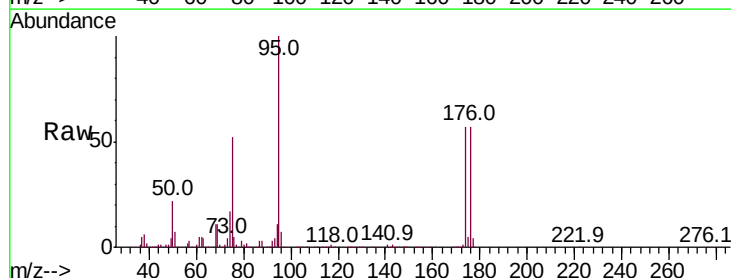
Tgt Ion: 95 Resp: 1559473

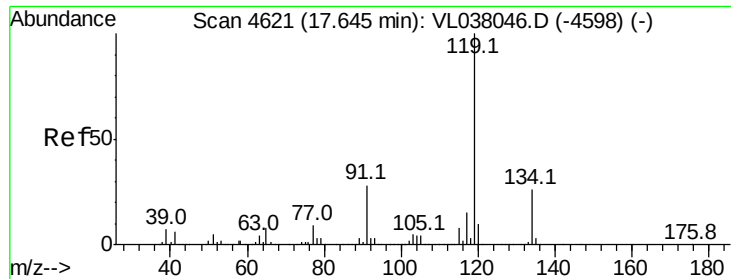
Ion Ratio Lower Upper

95 100

174 62.0 53.1 79.7

175 4.4 4.0 6.0



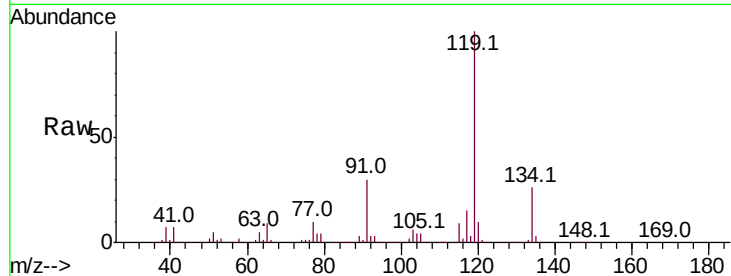


#69
 p-Isopropyltoluene
 Concen: 9.189 ppbv
 RT: 17.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 19 Nov 2021 19:25

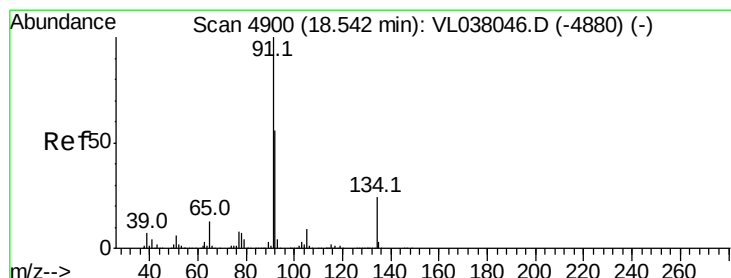
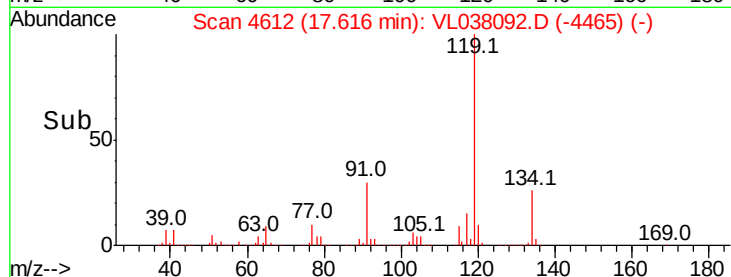
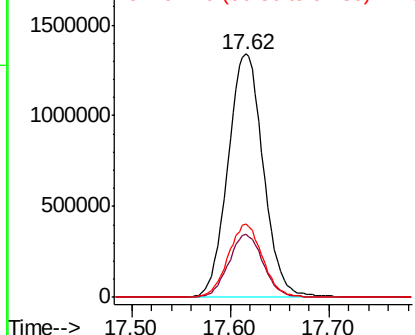
Tot Ion:1
 Ion Rati
 119 100
 134 25.
 91 29.

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

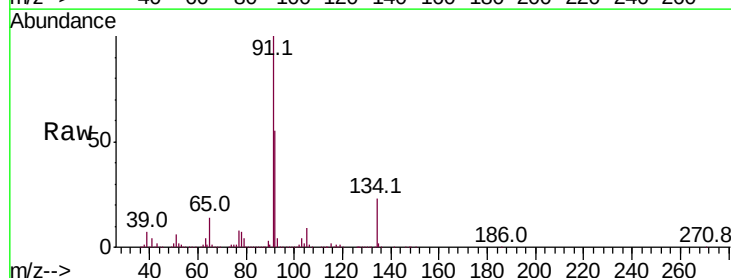


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

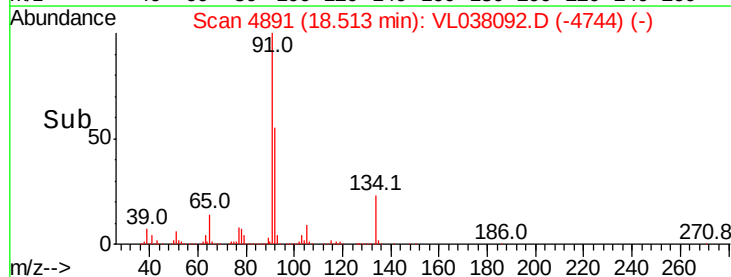
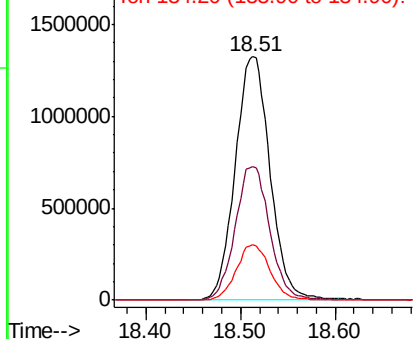


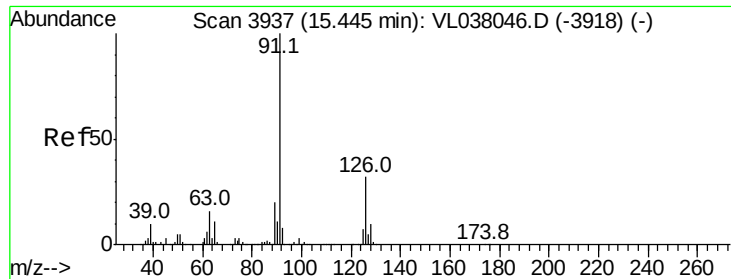
#70
 n-Butylbenzene
 Concen: 9.763 ppbv
 RT: 18.51 min Scan# 4891
 Delta R.T. -0.03 min
 Lab File: VL038092.D
 Acq: 19 Nov 2021 19:25

Tgt Ion: 91 Resp: 3384904
 Ion Ratio Lower Upper
 91 100
 92 54.7 44.1 66.1
 134 22.3 18.9 28.3



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V



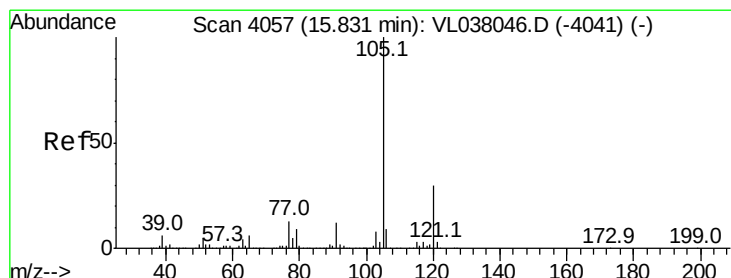
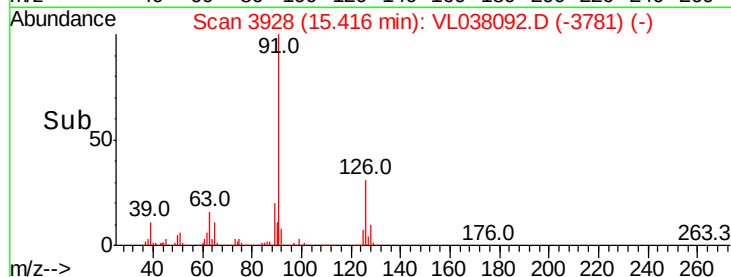
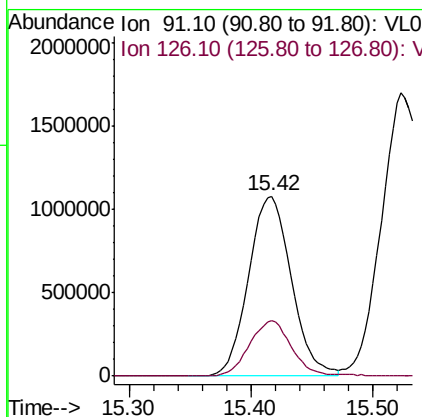
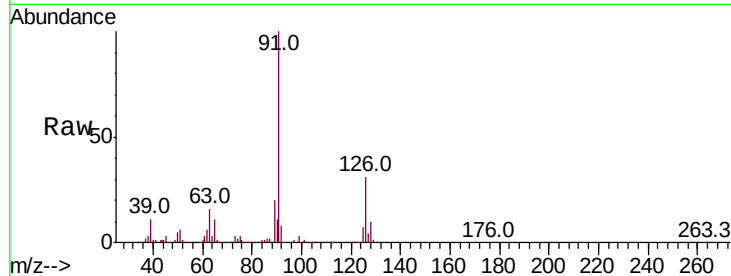


#71
 2-Chlorotoluene
 Concen: 9.493 ppbv
 RT: 15.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 19 Nov 2021 19:25

Tot Ion:
 Ion Ratio
 91 100
 126 31.

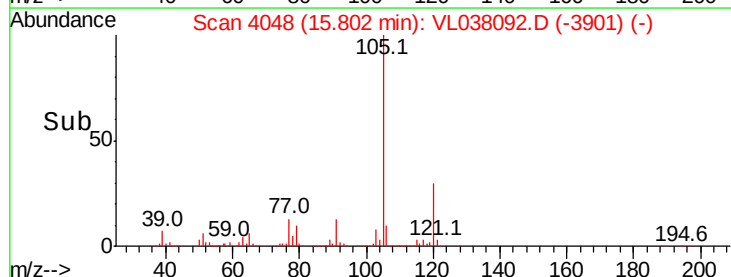
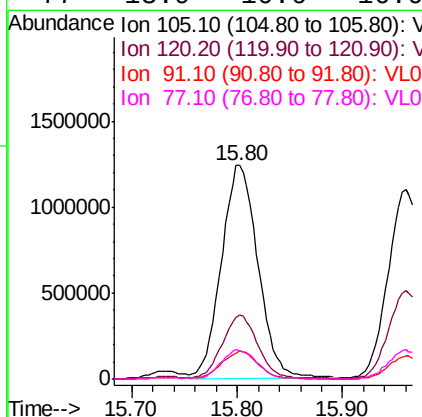
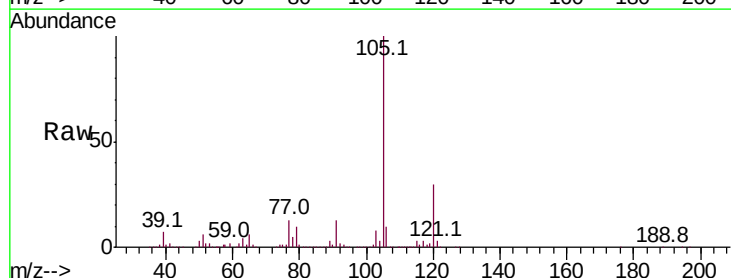
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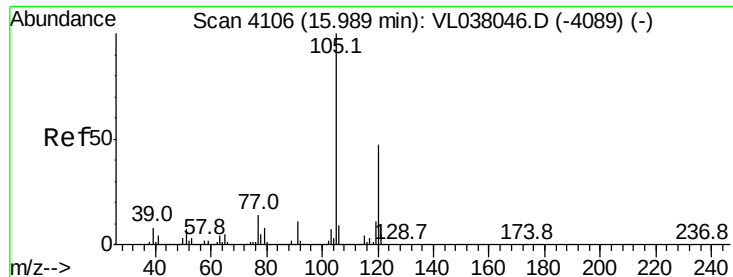
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#72
 4-Ethyltoluene
 Concen: 9.612 ppbv
 RT: 15.80 min Scan# 4048
 Delta R.T. -0.03 min
 Lab File: VL038092.D
 Acq: 19 Nov 2021 19:25

Tgt Ion:105 Resp: 2964857
 Ion Ratio Lower Upper
 105 100
 120 29.4 25.1 37.7
 91 12.6 9.7 14.5
 77 13.9 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 9.260 ppbv

RT: 15.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

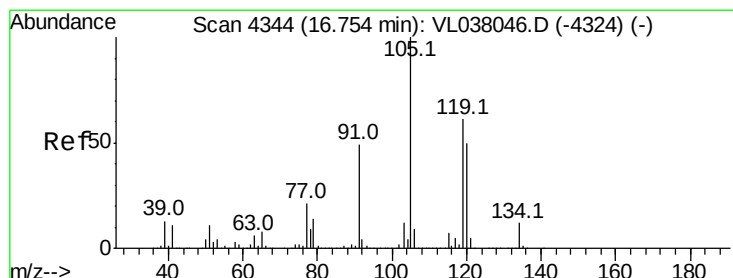
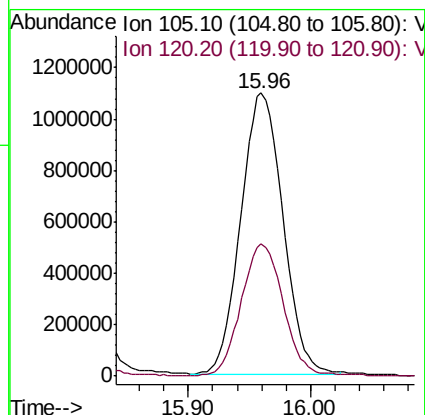
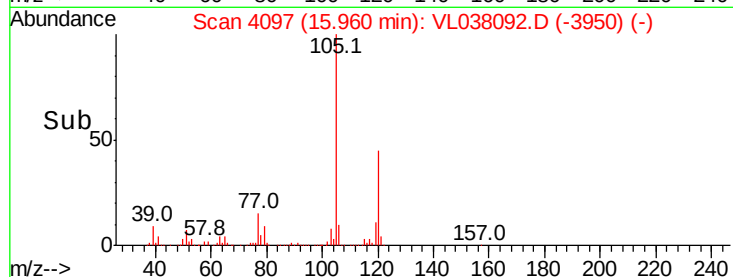
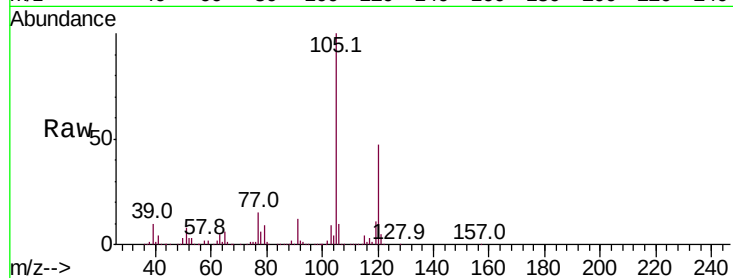
Acq: 19 Nov 2021 19:25

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#74

1,2,4-Trimethylbenzene

Concen: 9.133 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. -0.03 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

Tgt Ion:105 Resp: 2651275

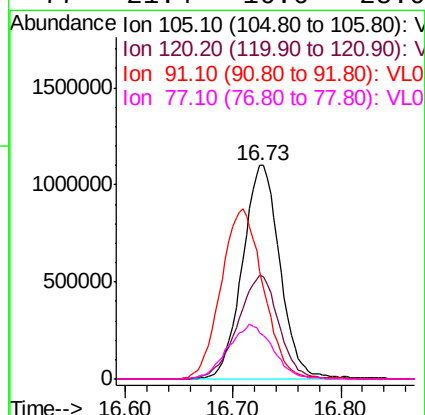
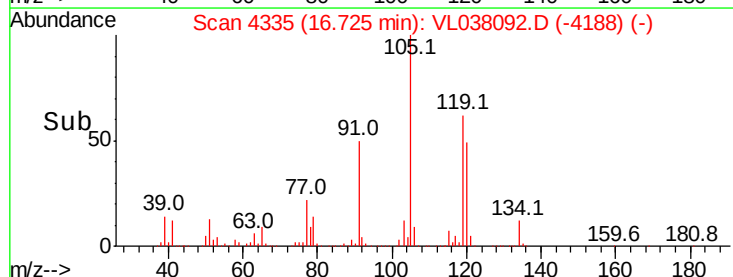
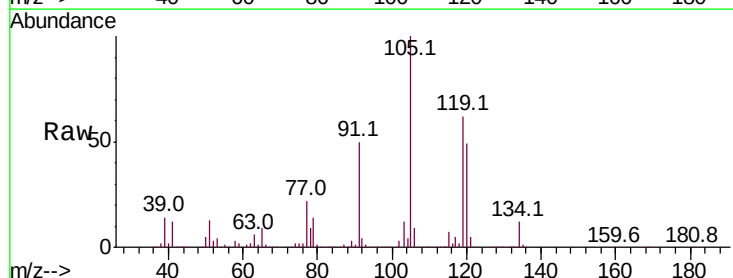
Ion Ratio Lower Upper

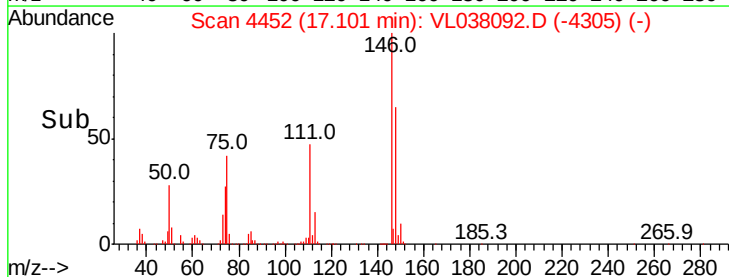
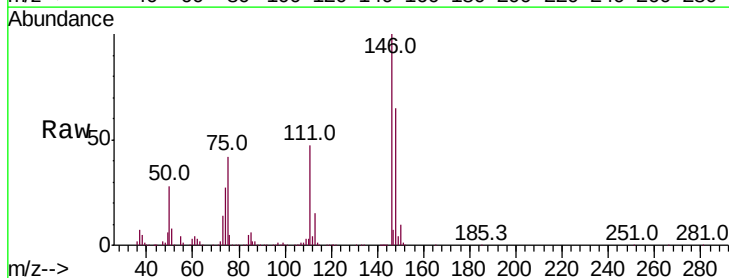
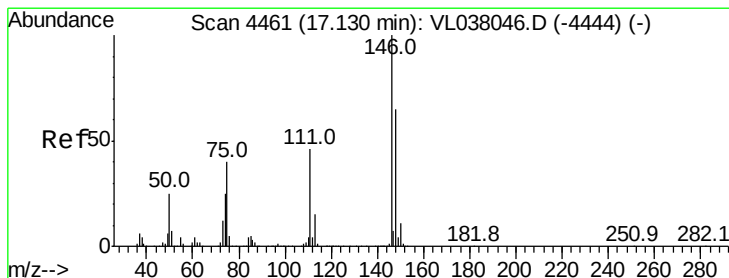
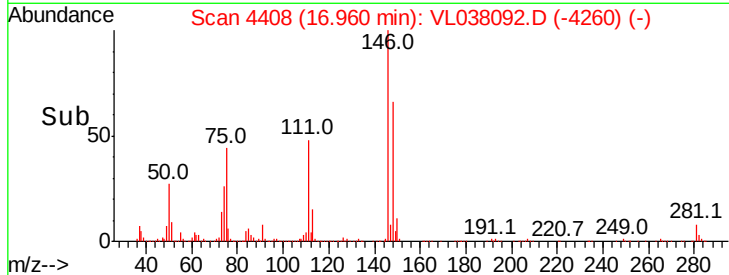
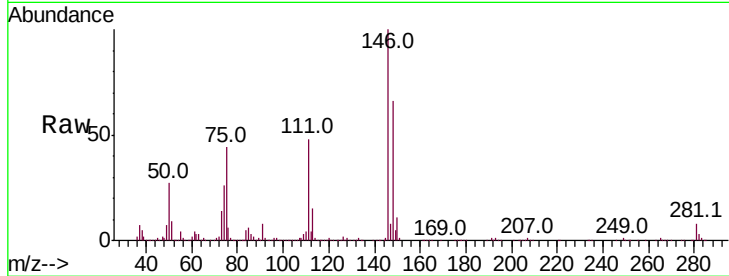
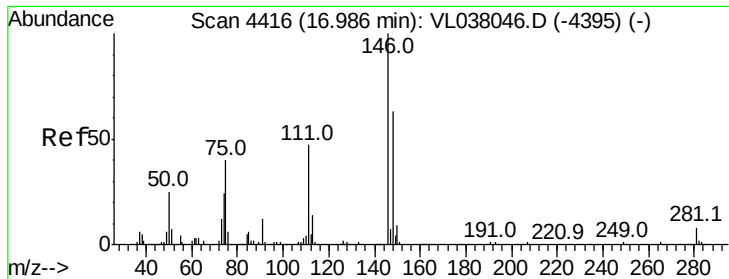
105 100

120 48.4 40.1 60.1

91 49.7 39.8 59.8

77 21.4 16.6 25.0





#75

1,3-Dichlorobenzene

Concen: 9.213 ppbv

RT: 16.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion:1

Ion Ratio

146 100

111 48.

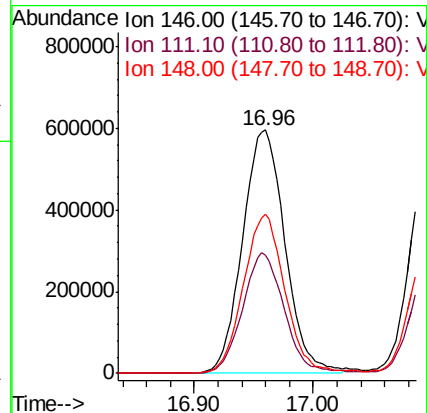
148 64.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#76

1,4-Dichlorobenzene

Concen: 8.857 ppbv

RT: 17.10 min Scan# 4452

Delta R.T. -0.03 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

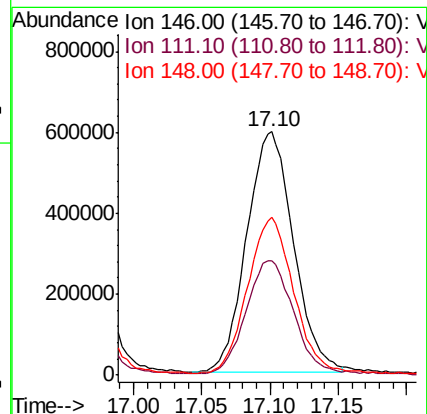
Tgt Ion:146 Resp: 1421176

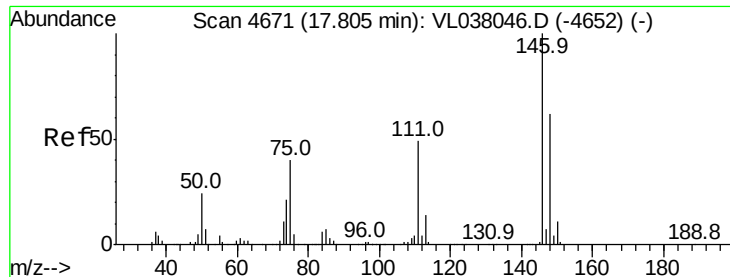
Ion Ratio Lower Upper

146 100

111 49.4 23.8 71.5

148 66.3 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 9.121 ppbv

RT: 17.78

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion:1

Ion Rati

146 100

111 51.

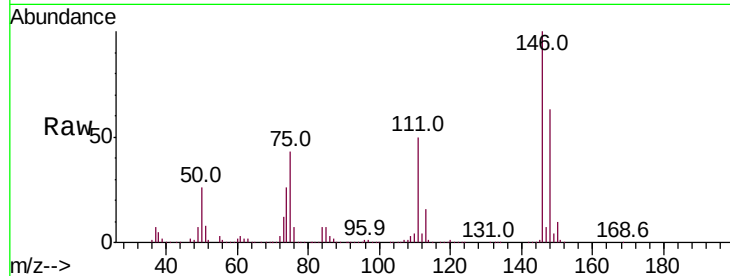
148 64.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

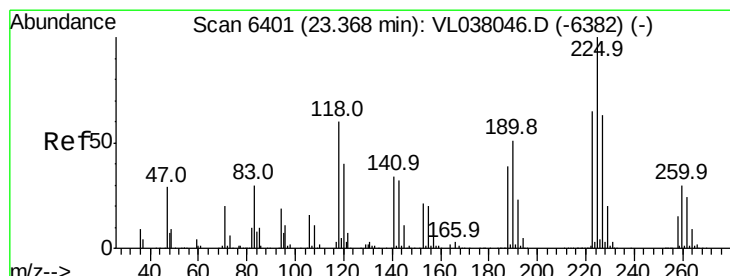
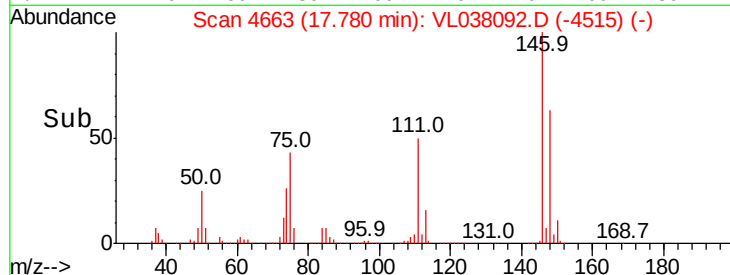
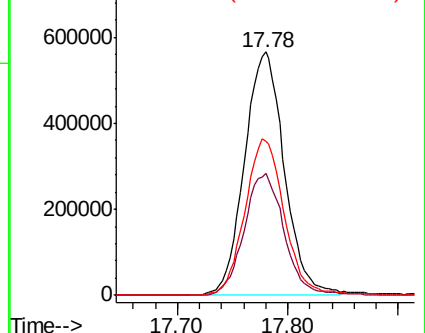
Supervised By :Mahesh Dadoda 11/29/2021



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: 10.120 ppbv

RT: 23.34 min Scan# 6391

Delta R.T. -0.03 min

Lab File: VL038092.D

Acq: 19 Nov 2021 19:25

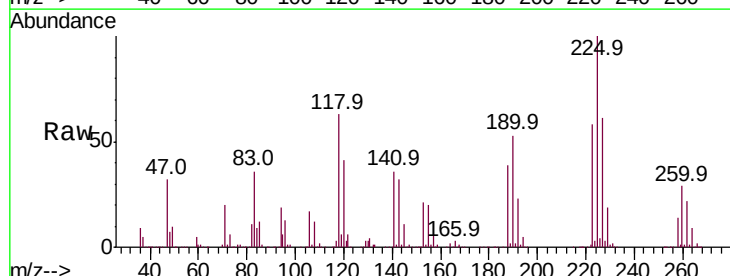
Tgt Ion:225 Resp: 975530

Ion Ratio Lower Upper

225 100

223 63.1 52.3 78.5

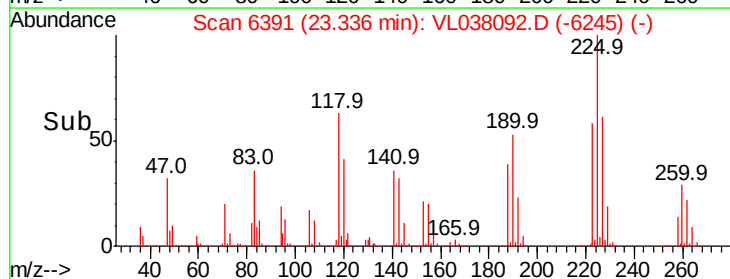
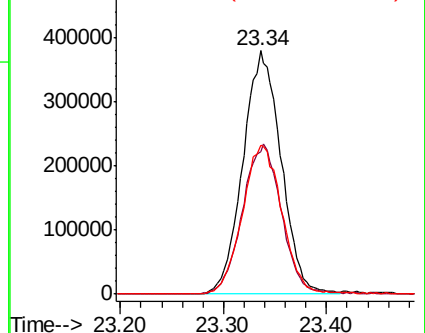
227 63.6 52.4 78.6

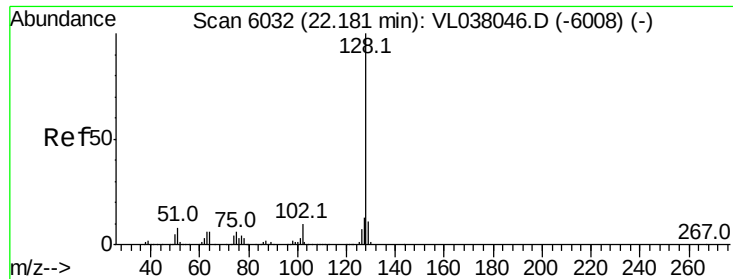


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V



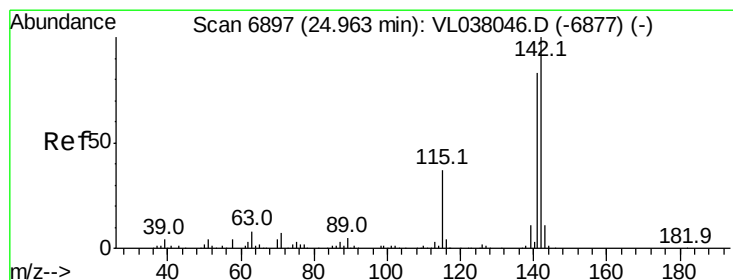
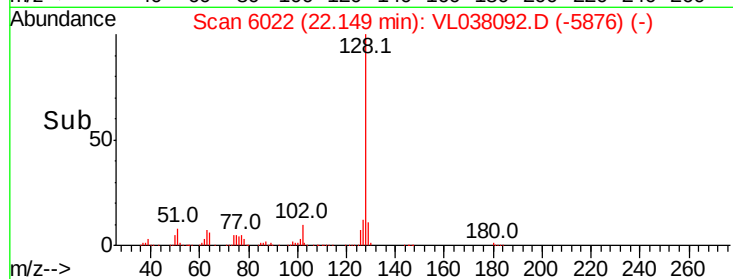
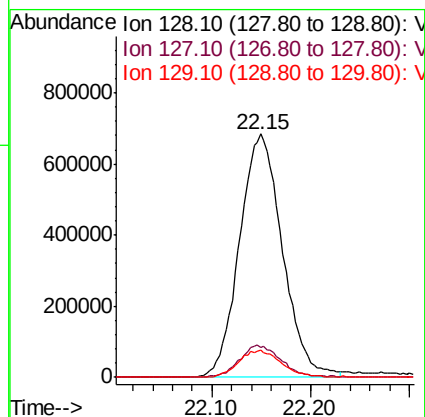
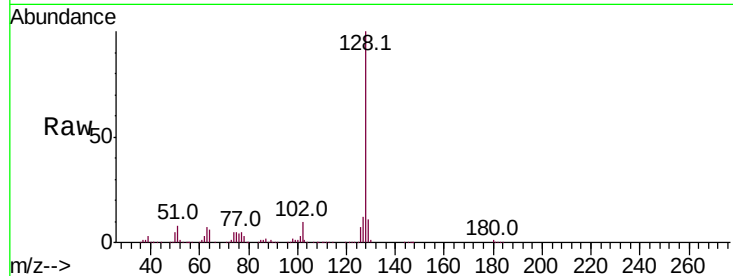


#79
Naphthalene
Concen: 13.445 ppbv
RT: 22.15
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 19 Nov 2021 19:25 VSTDCCC010EC

Tot Ion:1
Ion Rati
128 100
127 12.
129 11.

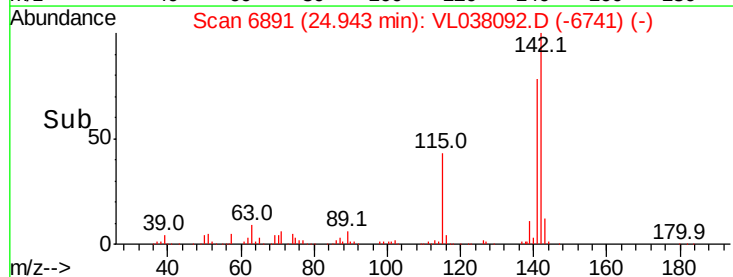
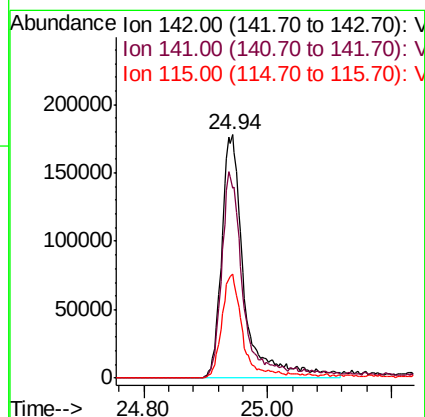
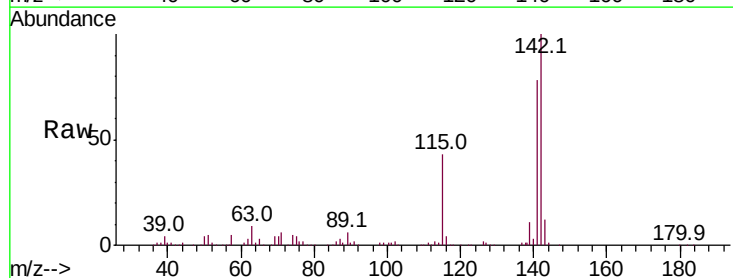
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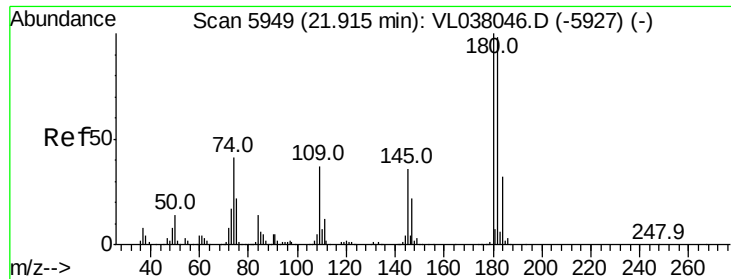
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#80
Naphthalene, 2-methyl-
Concen: 13.842 ppbv
RT: 24.94 min Scan# 6891
Delta R.T. -0.02 min
Lab File: VL038092.D
Acq: 19 Nov 2021 19:25

Tgt Ion:142 Resp: 453515
Ion Ratio Lower Upper
142 100
141 83.5 67.3 100.9
115 39.5 28.9 43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 11.944 ppbv
 RT: 21.88
 Instrument : MSVOA_L
 Delta R.T :
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 19 Nov 2021 19:25

Tot Ion:1
 Ion Rati
 180 100
 182 97.
 184 31.

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

