

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
 Data File : VL038650.D
 Acq On : 21 Mar 2022 13:54
 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 03/22/2022
 Supervised By : Mahesh Dadoda 03/24/2022

Quant Time: Mar 21 15:06:42 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 2022

QLast Update : Mon Mar 21 15:04:50 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.661	49	947204	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	2516835	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.076	117	2288280	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.404 95 1722074 9.898 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.054	85	154208	1.078	ppbv	96
3) Chlorodifluoromethane	2.989	51	108157	0.648	ppbv	98
4) Chloromethane	3.144	50	57895	0.935	ppbv	94
5) Vinyl Chloride	3.256	62	54733	0.881	ppbv	94
6) Bromomethane	3.478	94	32740m	0.982	ppbv	
7) Chloroethane	3.558	64	19361	0.962	ppbv	99
8) Dichlorotetrafluoroethane	3.189	85	136206	0.982	ppbv	95
9) Propene	3.015	41	51238	0.869	ppbv	99
10) Heptane	8.118	43	119484	0.847	ppbv	99
11) Trichlorofluoromethane	3.947	101	118729	0.947	ppbv	97
12) 1,1,2-Trichlorotrifluoro...	4.484	101	93606	0.960	ppbv	99
13) Ethanol	3.619	45	6644m	0.981	ppbv	
14) Bromoethene	3.742	108	41367m	0.995	ppbv	
15) Acetone	3.857	43	89713m	1.343	ppbv	
16) 1,3-Butadiene	3.327	39	48840	0.910	ppbv	100
17) tert-Butyl alcohol	4.295	59	78348m	1.079	ppbv	
18) 1,1-Dichloroethene	4.285	96	41419m	0.949	ppbv	
19) Isopropyl Alcohol	3.980	45	50082m	1.123	ppbv	
20) Methylene Chloride	4.343	84	37279m	0.927	ppbv	
21) Allyl Chloride	4.410	41	62435m	0.970	ppbv	
22) trans-1,2-Dichloroethene	4.883	96	42309m	0.925	ppbv	
23) Vinyl Acetate	5.073	43	75534	0.789	ppbv #	97
24) 1,1-Dichloroethane	5.008	63	80863	0.928	ppbv	99
25) Ethyl Acetate	5.680	43	215622	0.958	ppbv	98
26) Hexane	5.684	57	97460	0.922	ppbv	98
27) Carbon Disulfide	4.549	76	87084	0.827	ppbv #	90
28) Methyl tert-Butyl Ether	5.037	73	74082	0.861	ppbv	100
29) Chloroform	5.748	83	156131	0.949	ppbv	97
30) Cyclohexane	7.127	84	82860m	0.907	ppbv	
31) cis-1,2-Dichloroethene	5.542	61	87873	0.869	ppbv	92
32) 1,1,1-Trichloroethane	6.507	97	148256	0.930	ppbv	98
34) 2-Butanone	5.246	43	100362m	1.538	ppbv	
35) Carbon Tetrachloride	7.008	117	148871	0.867	ppbv	91
36) Benzene	6.886	78	200870	0.884	ppbv	99
37) 1,2-Dichloroethane	6.301	62	102654m	0.946	ppbv	
38) Trichloroethene	7.828	130	85991m	0.948	ppbv	
39) 1,2-Dichloropropane	7.610	63	76104	0.871	ppbv	95
40) 1,4-Dioxane	7.848	88	28142	1.287	ppbv	90
41) Tetrahydrofuran	6.066	42	75304m	1.411	ppbv	
42) Bromodichloromethane	7.783	83	148176	0.861	ppbv	97
43) Methyl Methacrylate	8.012	69	68673	0.881	ppbv	100
44) 2,2,4-Trimethylpentane	7.860	57	346410	0.902	ppbv	98
45) t-1,3-Dichloropropene	9.272	75	64598m	1.150	ppbv	

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Manual Integrations
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Quant Time: Mar 21 15:06:42 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

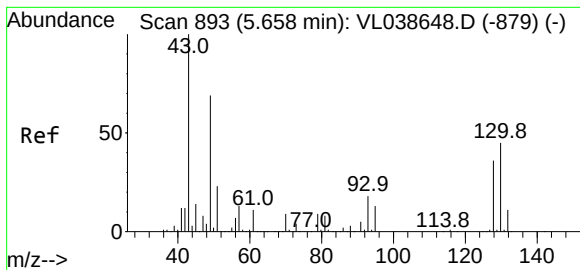
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 2022

QLast Update : Mon Mar 21 15:04:50 2022

Response via : Initial Calibration

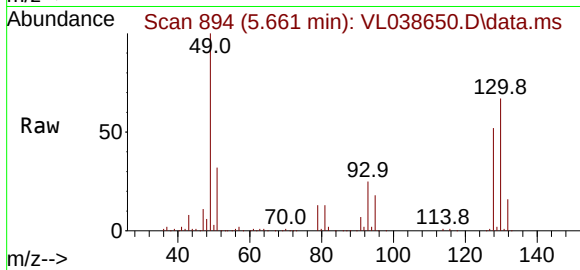
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.693	75	94191m	1.226	ppbv	
47) 1,1,2-Trichloroethane	9.462	97	82763	0.930	ppbv	96
48) Dibromochloromethane	10.294	129	121107	0.857	ppbv	100
49) Bromoform	13.031	173	95480	0.882	ppbv	99
50) 4-Methyl-2-Pentanone	8.745	43	183929m	1.375	ppbv	
51) 2-Hexanone	10.140	43	119093	2.107	ppbv #	97
52) Tetrachloroethene	11.214	164	71858	0.863	ppbv	95
53) Toluene	9.799	91	207872	0.857	ppbv	99
54) 1,2-Dibromoethane	10.600	107	110364m	0.868	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.114	131	98014	1.052	ppbv #	1
57) Chlorobenzene	12.137	112	171614	0.982	ppbv #	94
58) Ethyl Benzene	12.703	91	265029	0.895	ppbv	97
59) m/p-Xylene	12.986	91	479351m	1.890	ppbv	
60) o-Xylene	13.680	91	227072	0.948	ppbv	99
61) Styrene	13.519	104	107111	0.908	ppbv	96
62) Isopropylbenzene	14.654	105	345293	1.045	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.664	83	167938	0.830	ppbv	99
64) n-propylbenzene	15.551	120	86539	1.027	ppbv	82
65) tert-Butylbenzene	16.735	119	314587	1.064	ppbv	97
66) Benzyl Chloride	16.976	91	44556m	2.544	ppbv	
67) sec-Butylbenzene	17.284	105	452957	1.078	ppbv	98
69) p-Isopropyltoluene	17.641	119	360911	1.037	ppbv	99
70) n-Butylbenzene	18.538	91	362881	0.979	ppbv	99
71) 2-Chlorotoluene	15.442	91	250800	1.022	ppbv	98
72) 4-Ethyltoluene	15.828	105	258227	0.939	ppbv	98
73) 1,3,5-Trimethylbenzene	15.985	105	234126	0.917	ppbv	97
74) 1,2,4-Trimethylbenzene	16.751	105	268193	0.983	ppbv	96
75) 1,3-Dichlorobenzene	16.985	146	170746m	0.992	ppbv	
76) 1,4-Dichlorobenzene	17.127	146	167146m	0.980	ppbv	
77) 1,2-Dichlorobenzene	17.805	146	169750m	0.975	ppbv	
78) Hexachloro-1,3-Butadiene	23.361	225	167638	0.987	ppbv	98
79) Naphthalene	22.185	128	199677	0.814	ppbv	97
80) Naphthalene,2-methyl-	24.966	142	34684	0.801	ppbv	94
81) 1,2,4-Trichlorobenzene	21.918	180	132116m	0.842	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.661 min Scan# 894
Delta R.T. 0.003 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

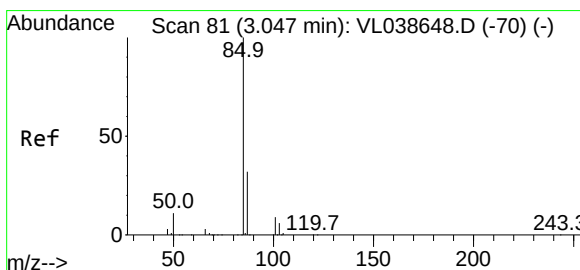
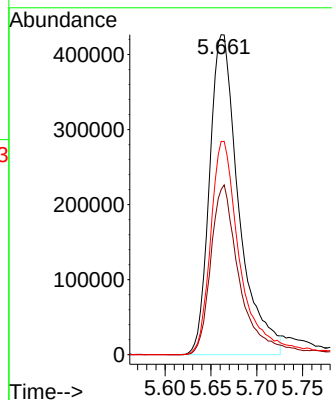
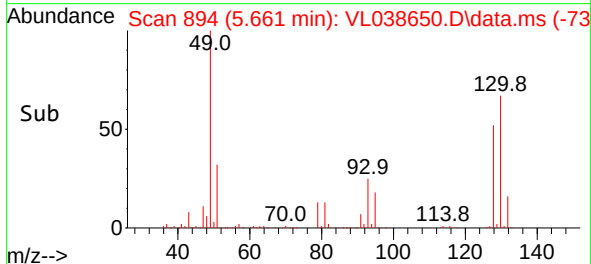
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



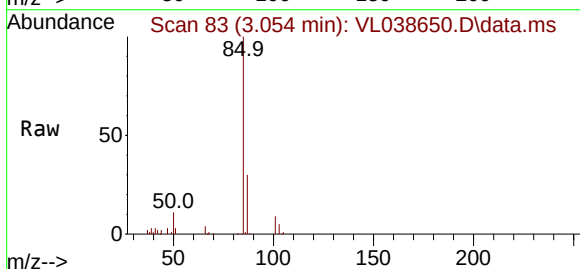
Tgt Ion: 49 Resp: 947204
Ion Ratio Lower Upper
49 100
128 53.7 26.2 78.6
130 70.5 33.7 101.1

Manual Integrations
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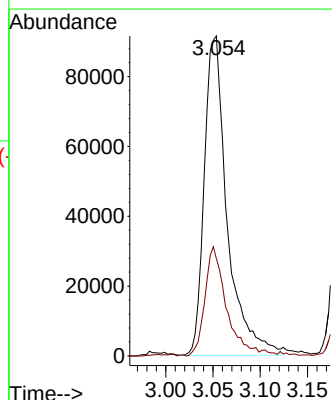
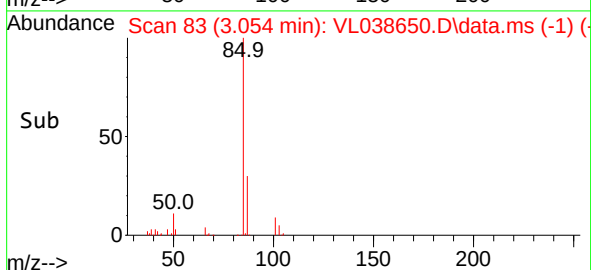
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

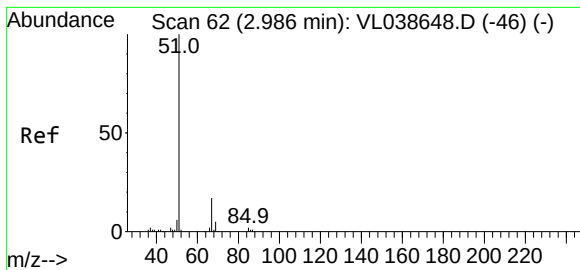


#2
Dichlorodifluoromethane
Concen: 1.078 ppbv
RT: 3.054 min Scan# 83
Delta R.T. 0.006 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54



Tgt Ion: 85 Resp: 154208
Ion Ratio Lower Upper
85 100
87 30.2 26.0 39.0





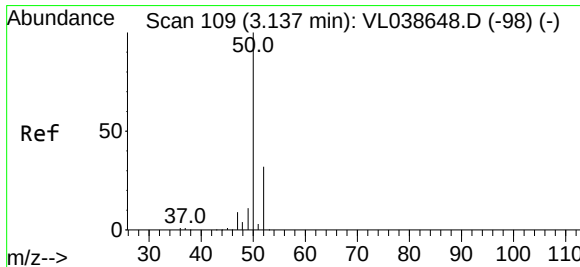
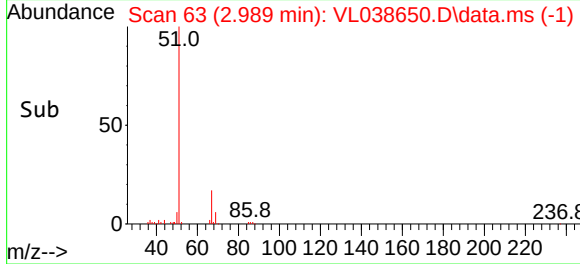
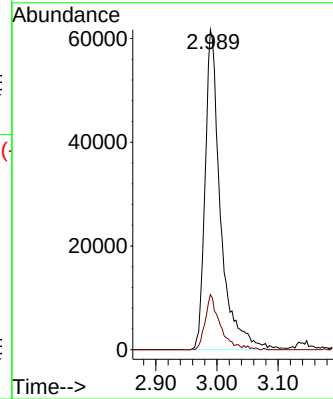
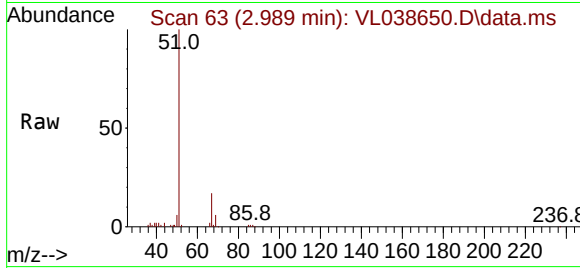
#3
Chlorodifluoromethane
Concen: 0.648 ppbv
RT: 2.989 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 51 Resp: 10815
Ion Ratio Lower Upper
51 100
67 16.9 14.1 21.1

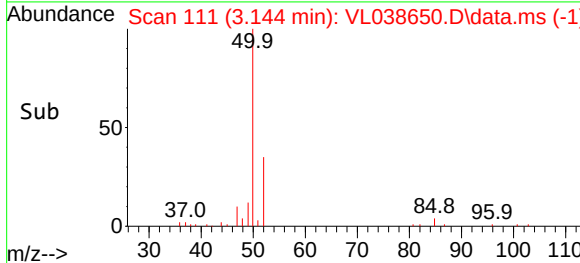
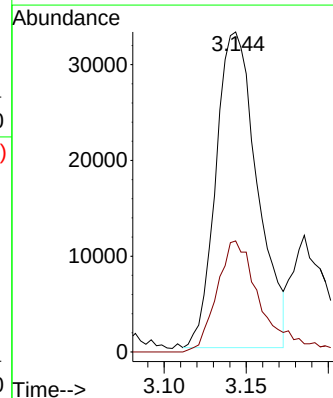
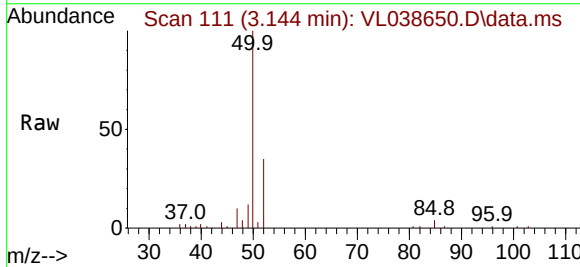
Manual Integrations
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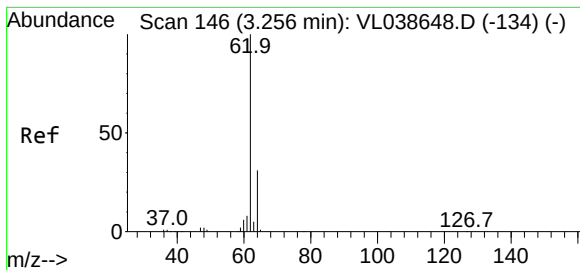
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#4
Chloromethane
Concen: 0.935 ppbv
RT: 3.144 min Scan# 111
Delta R.T. 0.006 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

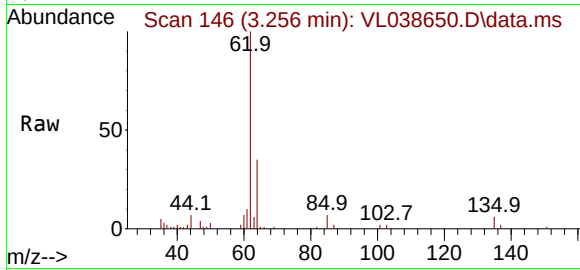
Tgt Ion: 50 Resp: 57895
Ion Ratio Lower Upper
50 100
52 35.2 25.5 38.3





#5
 Vinyl Chloride
 Concen: 0.881 ppbv
 RT: 3.256 min Scan# 146
 Delta R.T. -0.000 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

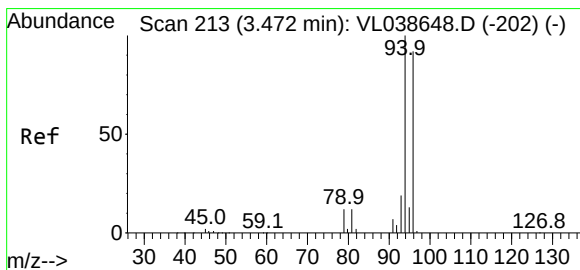
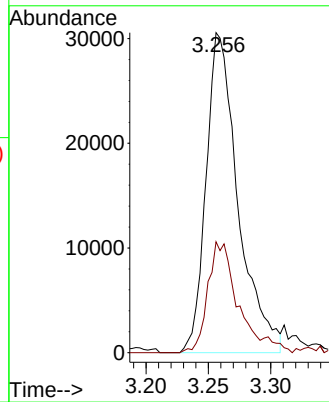
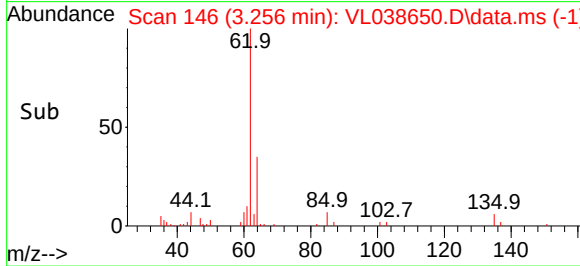
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



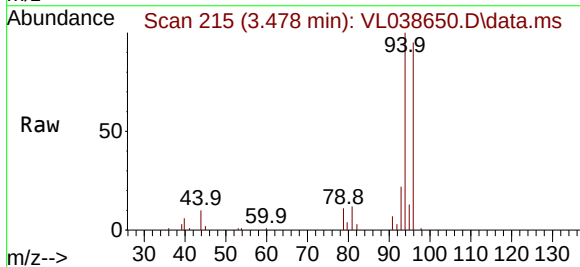
Tgt Ion: 62 Resp: 5473
 Ion Ratio Lower Upper
 62 100
 64 34.6 25.0 37.4

Manual Integrations
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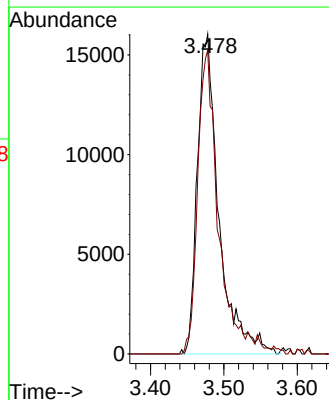
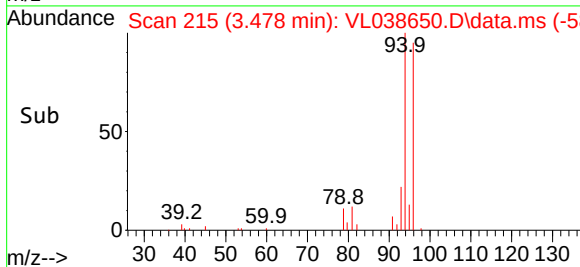
Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022

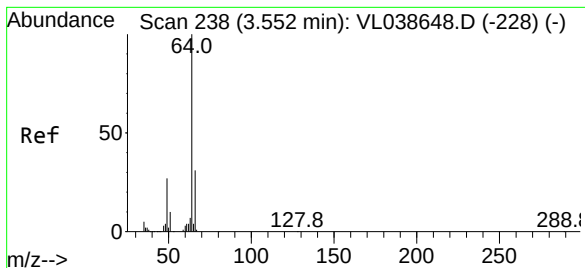


#6
 Bromomethane
 Concen: 0.982 ppbv m
 RT: 3.478 min Scan# 215
 Delta R.T. 0.006 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54



Tgt Ion: 94 Resp: 32740
 Ion Ratio Lower Upper
 94 100
 96 94.9 73.3 109.9





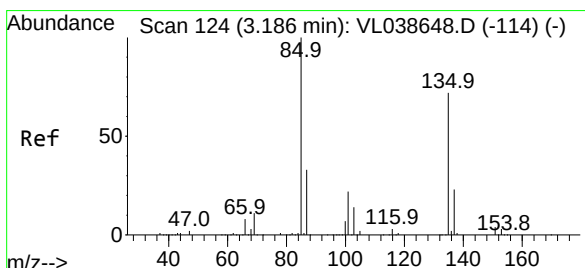
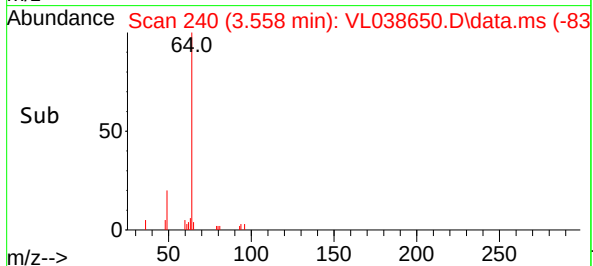
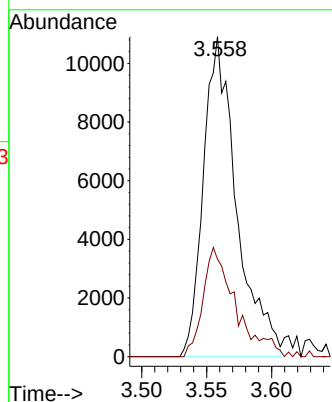
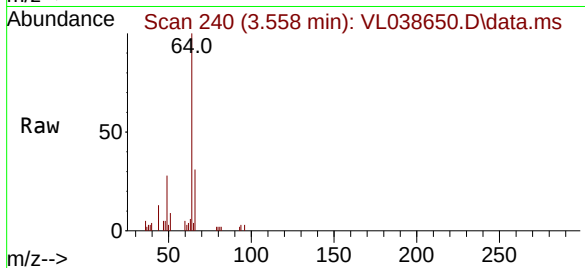
#7
Chloroethane
Concen: 0.962 ppbv
RT: 3.558 min Scan# 24
Delta R.T. 0.006 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 64 Resp: 1936
Ion Ratio Lower Upper
64 100
66 30.5 25.0 37.6

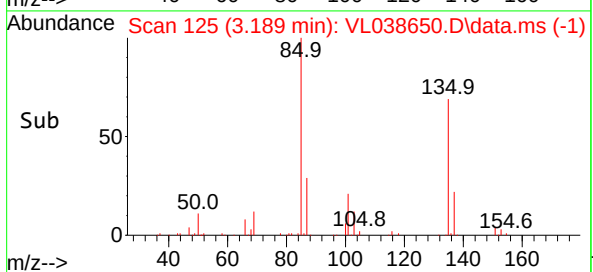
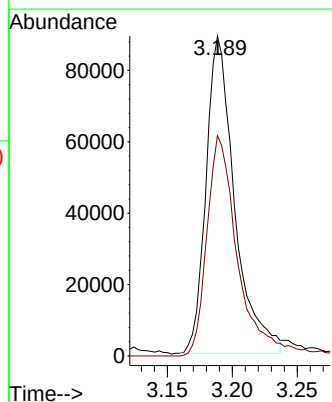
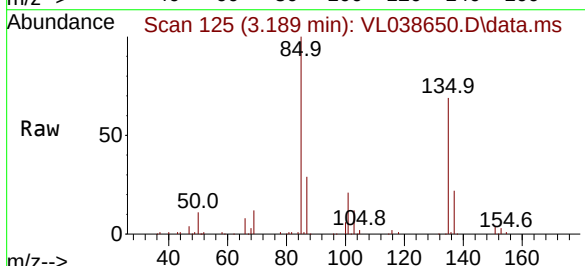
Manual Integrations
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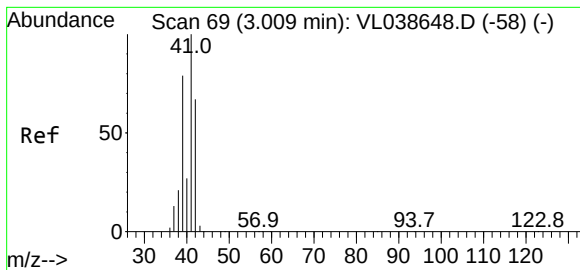
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#8
Dichlorotetrafluoroethane
Concen: 0.982 ppbv
RT: 3.189 min Scan# 125
Delta R.T. 0.003 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Tgt Ion: 85 Resp: 136206
Ion Ratio Lower Upper
85 100
135 76.4 57.8 86.6





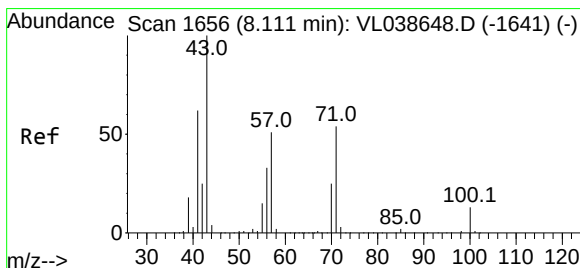
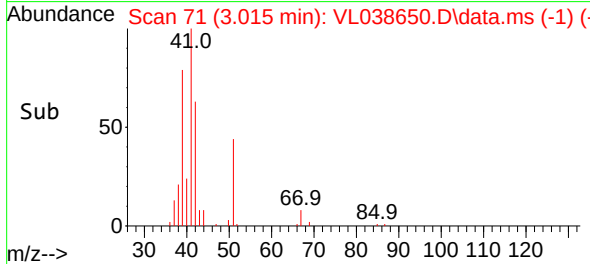
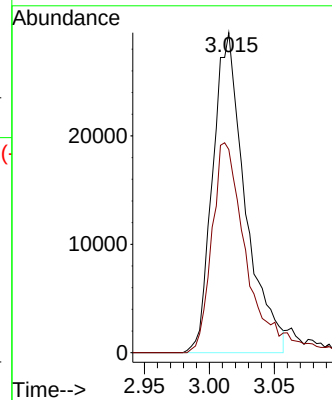
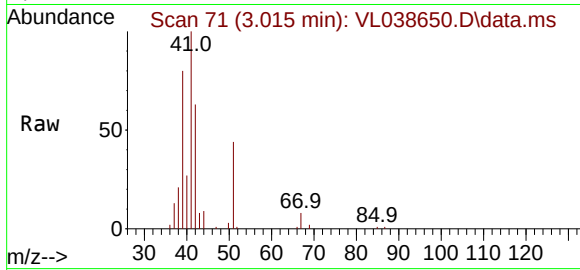
#9
 Propene
 Concen: 0.869 ppbv
 RT: 3.015 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 41 Resp: 51238
 Ion Ratio Lower Upper
 41 100
 42 71.5 56.2 84.4

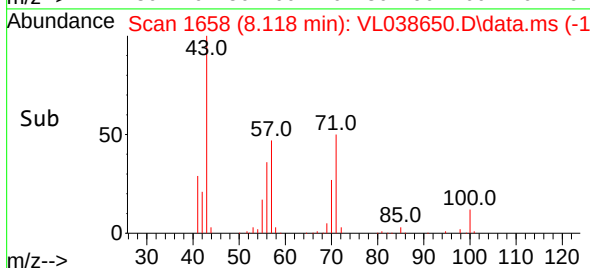
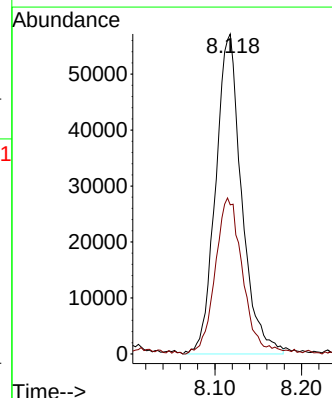
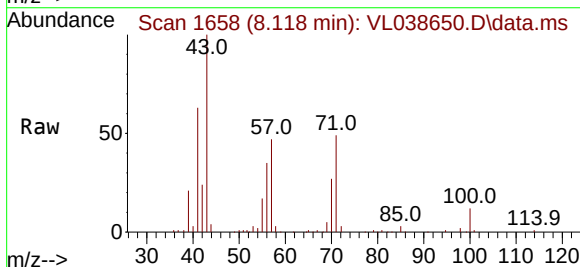
Manual Integrations
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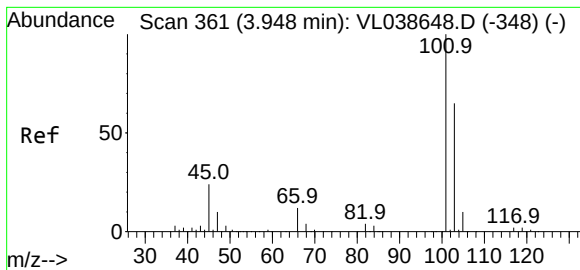
Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022



#10
 Heptane
 Concen: 0.847 ppbv
 RT: 8.118 min Scan# 1658
 Delta R.T. 0.006 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

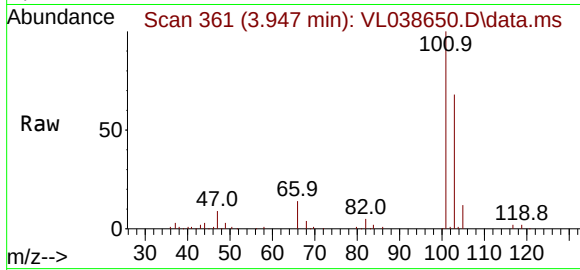
Tgt Ion: 43 Resp: 119484
 Ion Ratio Lower Upper
 43 100
 57 52.4 41.4 62.2





#11
 Trichlorofluoromethane
 Concen: 0.947 ppbv
 RT: 3.947 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

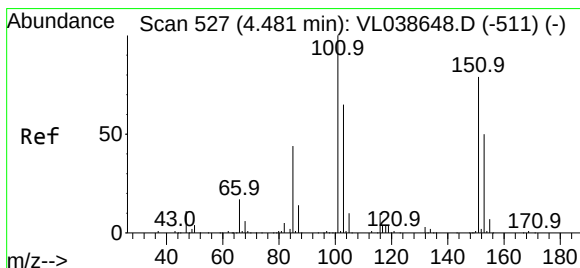
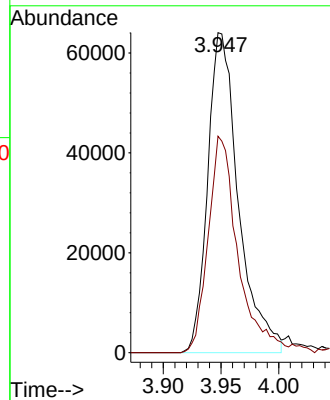
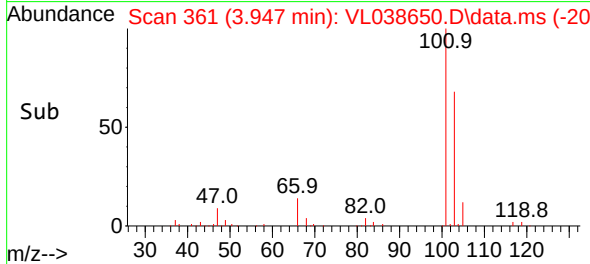
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion:101 Resp: 118729
 Ion Ratio Lower Upper
 101 100
 103 67.6 51.9 77.9

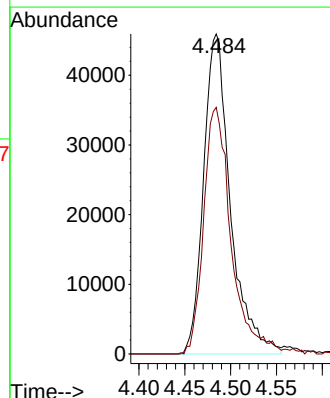
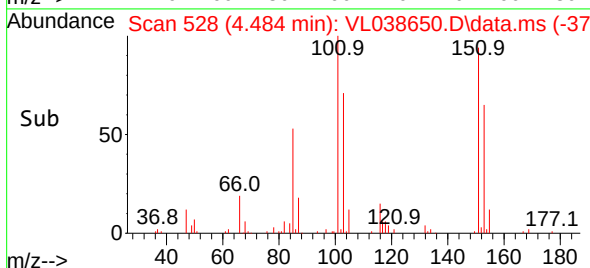
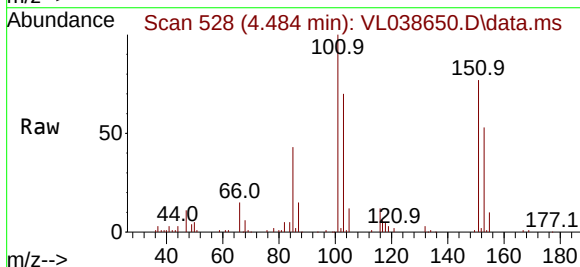
Manual Integrations
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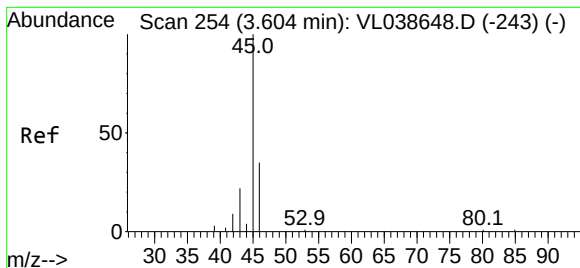
Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.960 ppbv
 RT: 4.484 min Scan# 528
 Delta R.T. 0.003 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

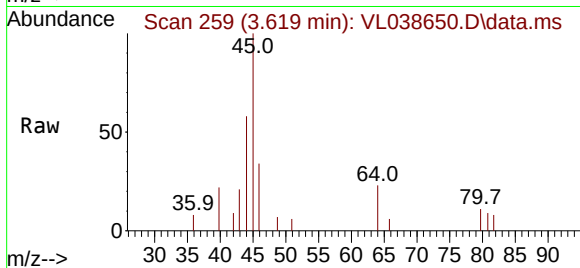
Tgt Ion:101 Resp: 93606
 Ion Ratio Lower Upper
 101 100
 151 79.2 62.9 94.3





#13
Ethanol
Concen: 0.981 ppbv m
RT: 3.619 min Scan# 214
Delta R.T. 0.016 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

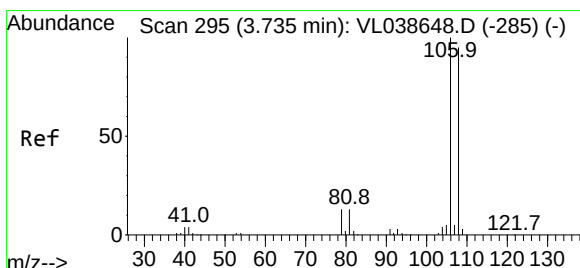
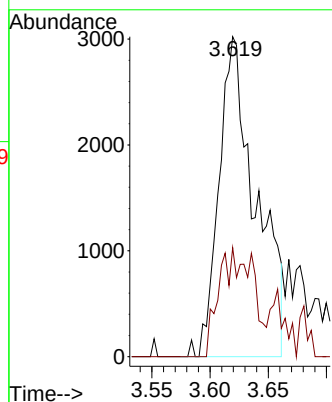
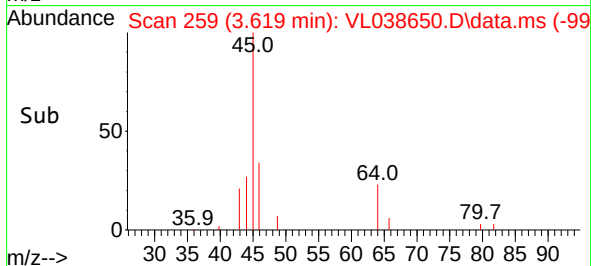
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



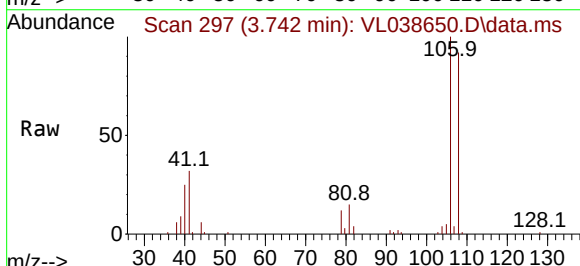
Tgt Ion: 45 Resp: 664
Ion Ratio Lower Upper
45 100
46 42.9 15.1 60.5

Manual Integrations
APPROVED

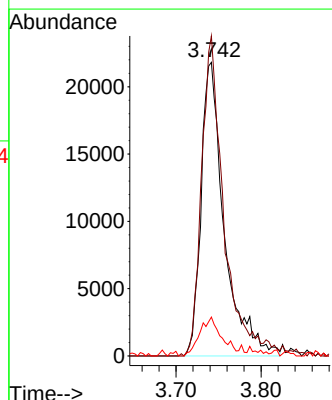
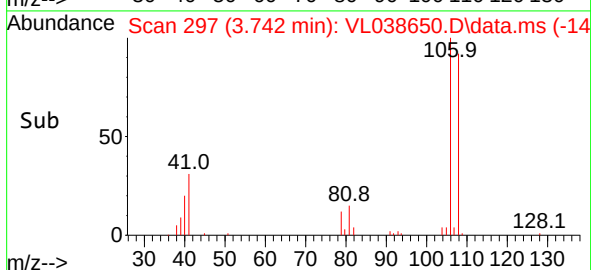
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

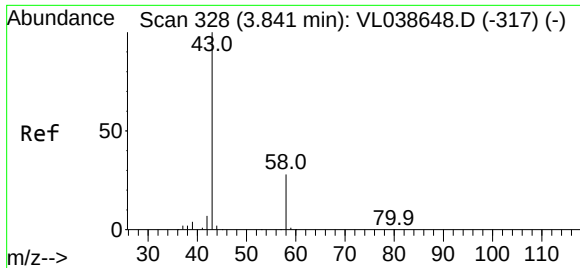


#14
Bromoethene
Concen: 0.995 ppbv m
RT: 3.742 min Scan# 297
Delta R.T. 0.006 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54



Tgt Ion:108 Resp: 41367
Ion Ratio Lower Upper
108 100
106 106.4 88.3 132.5
79 16.3 11.2 16.8





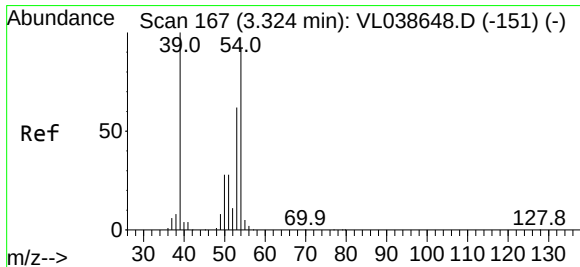
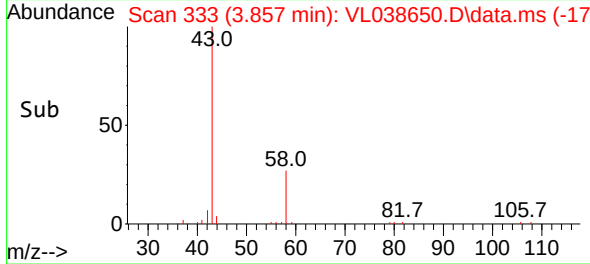
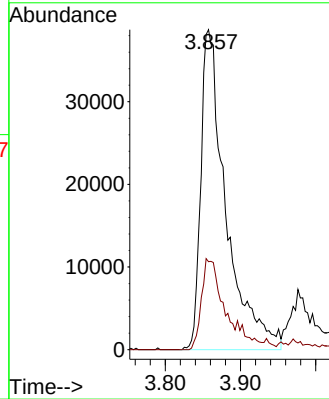
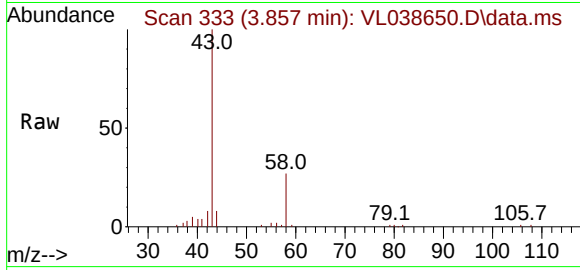
#15
Acetone
Concen: 1.343 ppbv m
RT: 3.857 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 8971
Ion Ratio Lower Upper
43 100
58 28.1 23.3 34.9

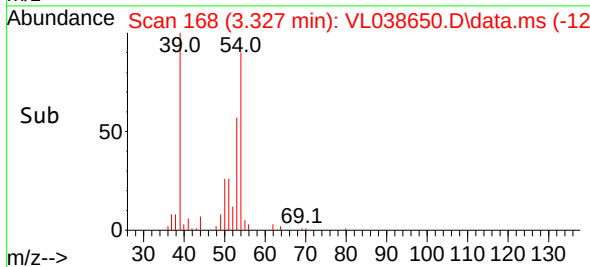
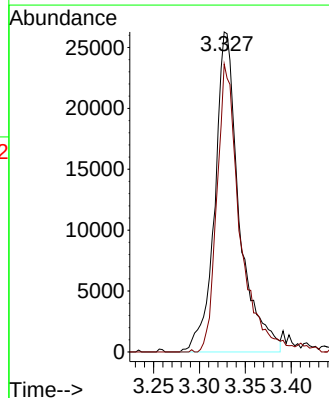
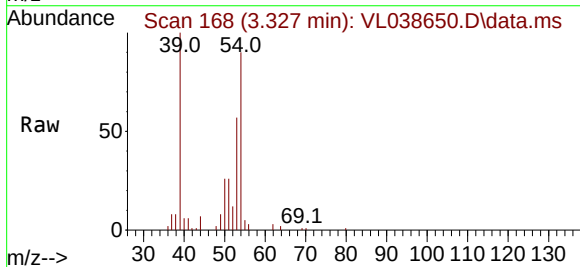
Manual Integrations
APPROVED

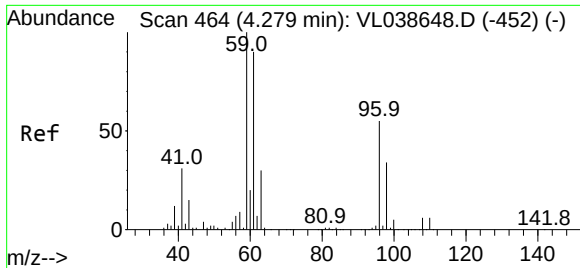
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#16
1,3-Butadiene
Concen: 0.910 ppbv
RT: 3.327 min Scan# 168
Delta R.T. 0.003 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Tgt Ion: 39 Resp: 48840
Ion Ratio Lower Upper
39 100
54 86.0 69.1 103.7





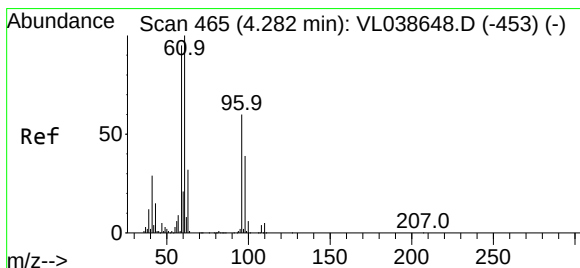
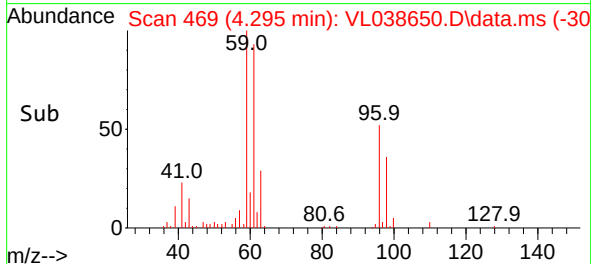
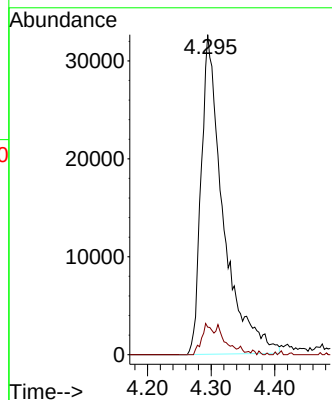
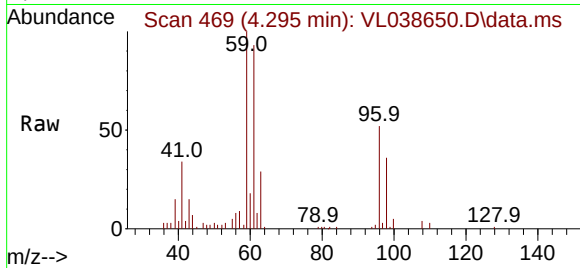
#17
tert-Butyl alcohol
Concen: 1.079 ppbv m
RT: 4.295 min Scan# 469
Delta R.T. 0.016 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 7834
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.2

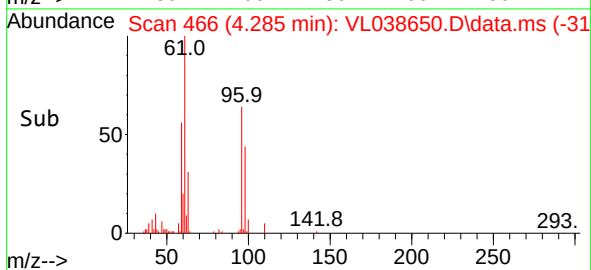
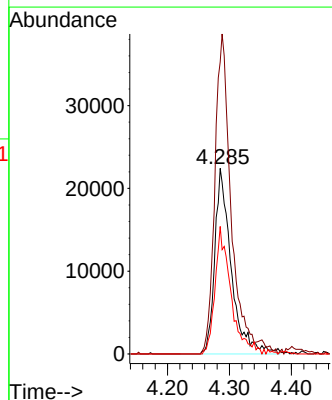
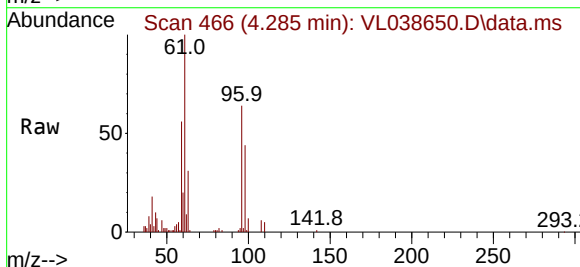
Manual Integrations
APPROVED

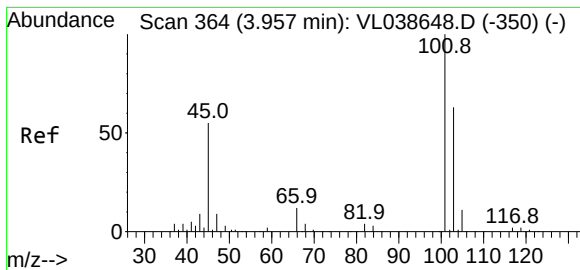
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#18
1,1-Dichloroethene
Concen: 0.949 ppbv m
RT: 4.285 min Scan# 466
Delta R.T. 0.003 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

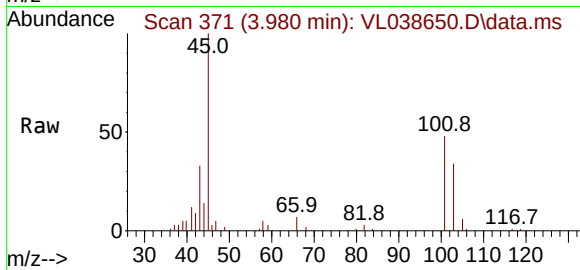
Tgt Ion: 96 Resp: 41419
Ion Ratio Lower Upper
96 100
61 157.4 132.4 198.6
98 68.8 51.6 77.4





#19
Isopropyl Alcohol
Concen: 1.123 ppbv m
RT: 3.980 min Scan# 31
Delta R.T. 0.022 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

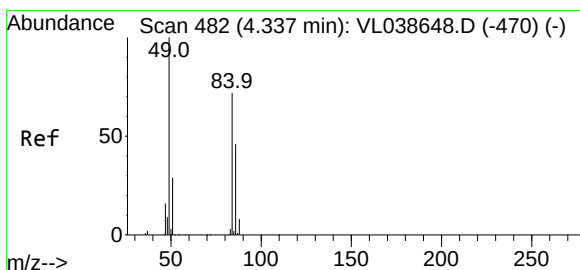
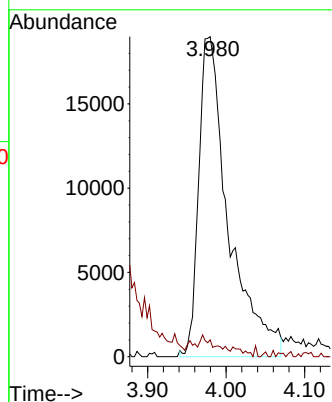
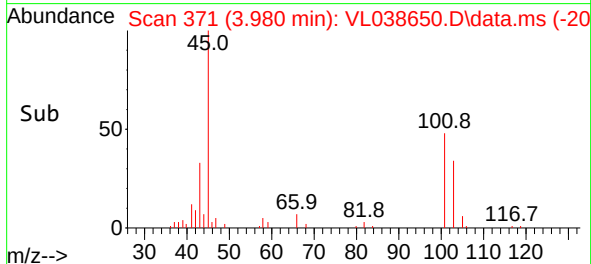
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 45 Resp: 5008
Ion Ratio Lower Upper
45 100
58 6.9 2.3 3.5

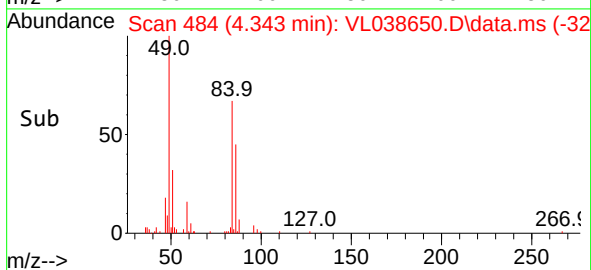
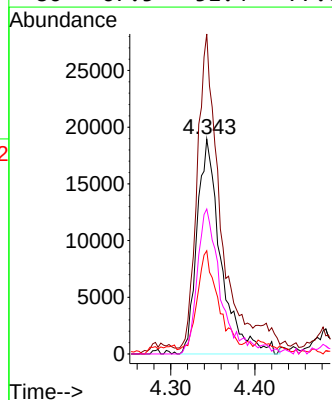
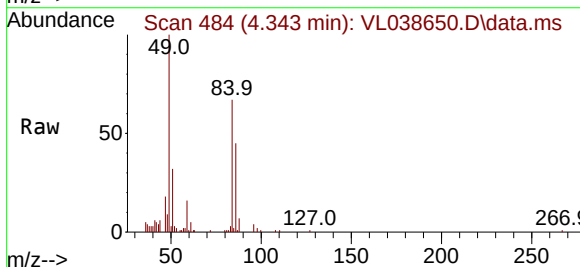
Manual Integrations
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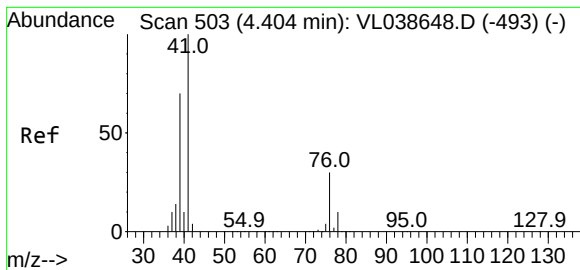
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#20
Methylene Chloride
Concen: 0.927 ppbv m
RT: 4.343 min Scan# 484
Delta R.T. 0.006 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

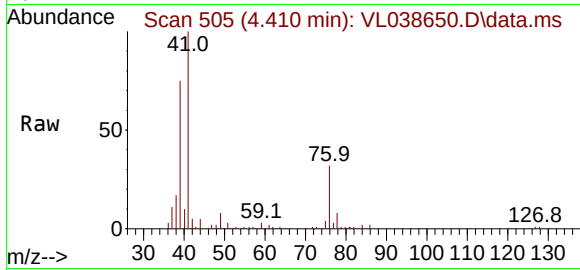
Tgt Ion: 84 Resp: 37279
Ion Ratio Lower Upper
84 100
49 148.9 111.2 166.8
51 48.0 32.8 49.2
86 67.5 51.4 77.0





#21
 Allyl Chloride
 Concen: 0.970 ppbv m
 RT: 4.410 min Scan# 503
 Delta R.T. 0.006 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

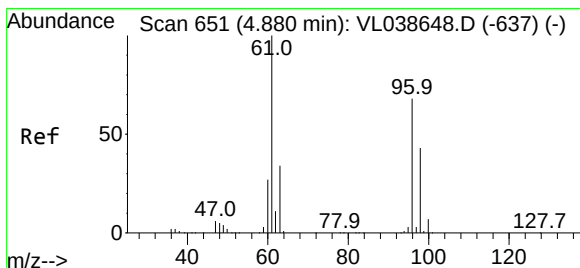
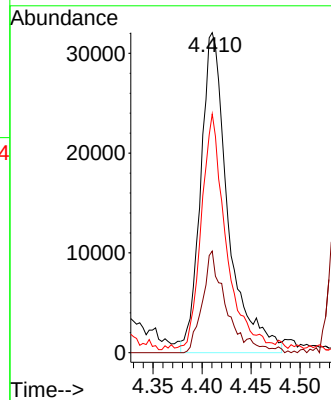
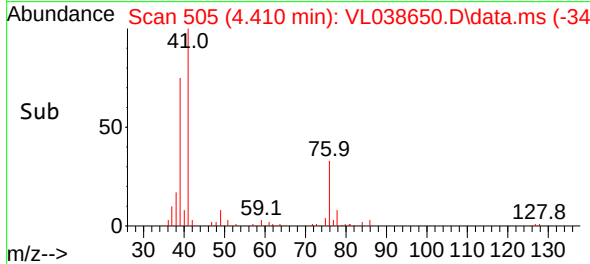
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 41 Resp: 62435
 Ion Ratio Lower Upper
 41 100
 76 28.1 25.0 37.6
 39 68.9 56.6 85.0

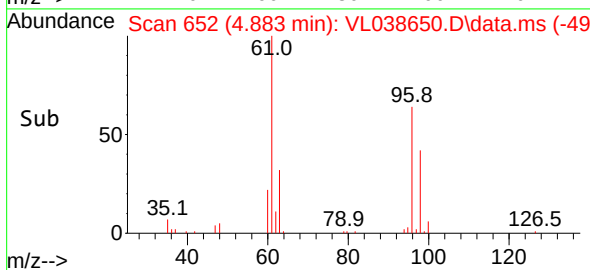
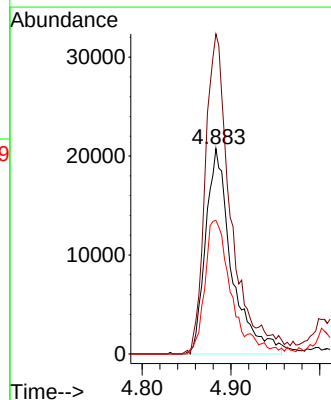
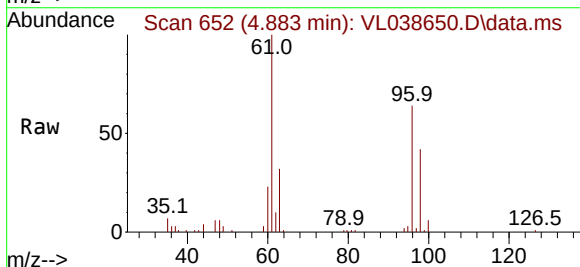
Manual Integrations
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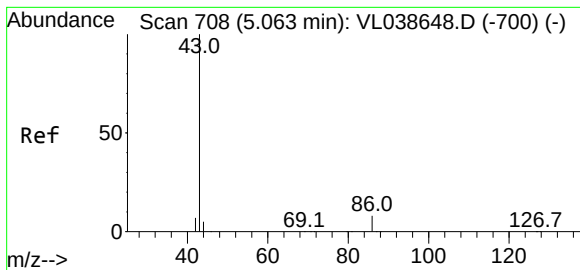
Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022



#22
 trans-1,2-Dichloroethene
 Concen: 0.925 ppbv m
 RT: 4.883 min Scan# 652
 Delta R.T. 0.003 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

Tgt Ion: 96 Resp: 42309
 Ion Ratio Lower Upper
 96 100
 61 155.8 118.3 177.5
 98 65.1 51.3 76.9





#23
 Vinyl Acetate
 Concen: 0.789 ppbv
 RT: 5.073 min Scan# 711
 Delta R.T. 0.009 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

Instrument :

MSVOA_L

ClientSampleId :

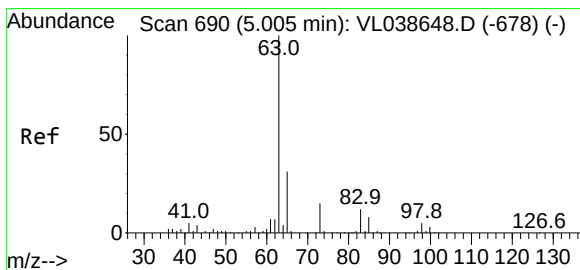
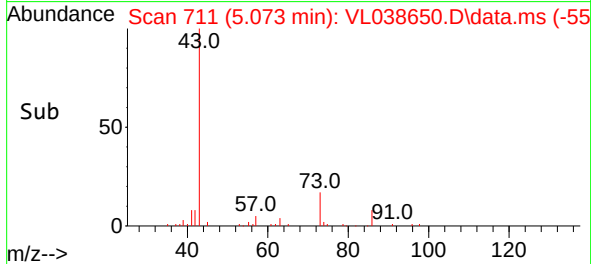
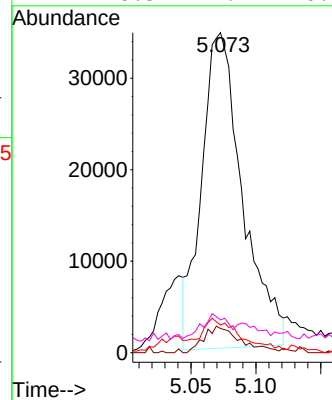
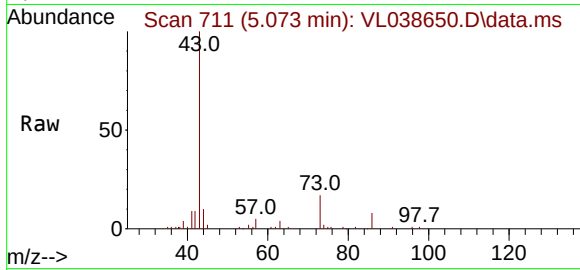
VSTDICC001

Tgt Ion: 43 Resp: 75534
 Ion Ratio Lower Upper
 43 100
 86 8.5 5.6 8.4
 42 8.6 6.8 10.2
 44 6.5 4.2 6.2

Manual Integrations

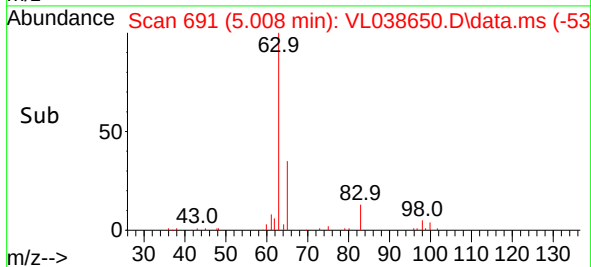
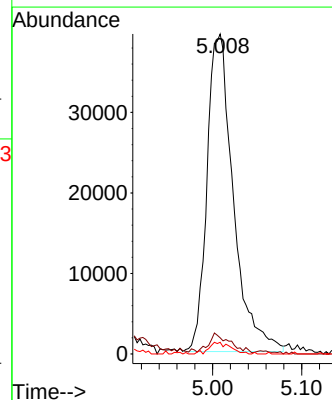
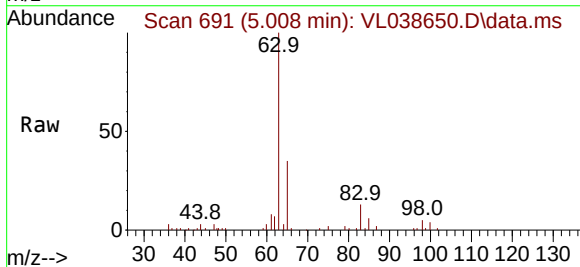
APPROVED

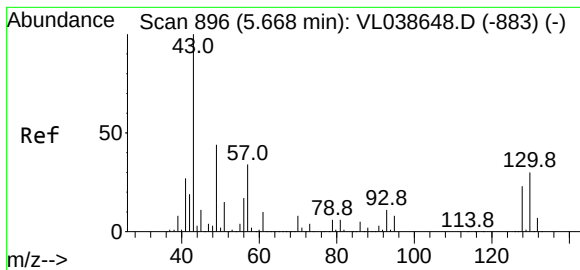
Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022



#24
 1,1-Dichloroethane
 Concen: 0.928 ppbv
 RT: 5.008 min Scan# 691
 Delta R.T. 0.003 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

Tgt Ion: 63 Resp: 80863
 Ion Ratio Lower Upper
 63 100
 98 5.1 2.5 7.5
 100 3.7 1.4 4.2





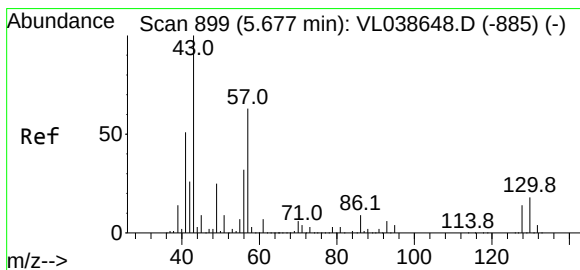
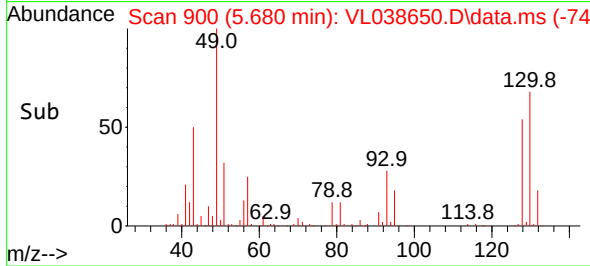
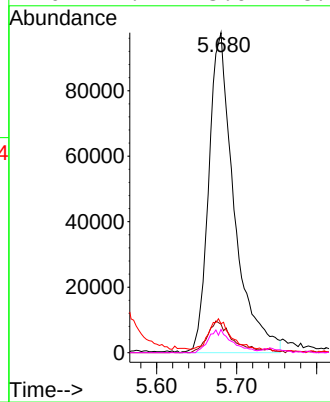
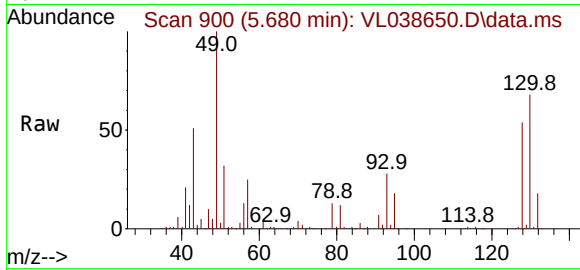
#25
Ethyl Acetate
Concen: 0.958 ppbv
RT: 5.680 min Scan# 900
Delta R.T. 0.013 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 21562
Ion Ratio Lower Upper
43 100
45 10.7 8.2 12.4
61 11.4 8.3 12.5
70 7.9 5.6 8.4

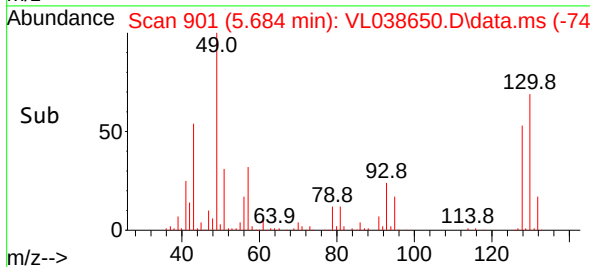
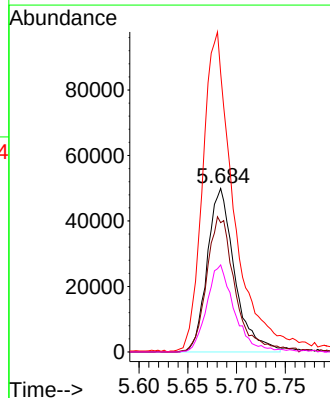
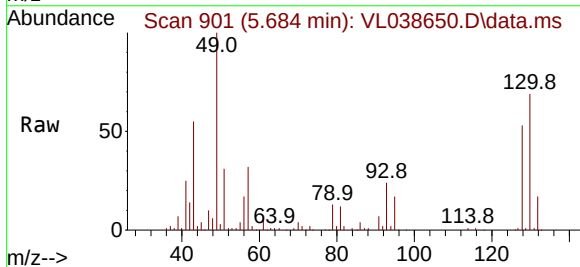
Manual Integrations
APPROVED

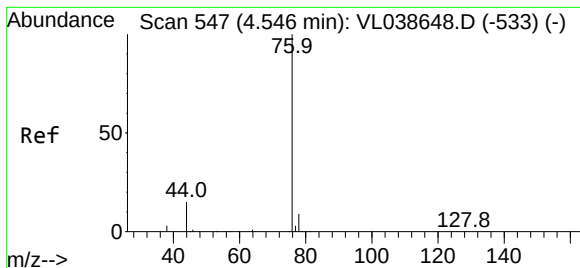
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#26
Hexane
Concen: 0.922 ppbv
RT: 5.684 min Scan# 901
Delta R.T. 0.006 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Tgt Ion: 57 Resp: 97460
Ion Ratio Lower Upper
57 100
41 88.0 67.0 100.4
43 229.4 184.2 276.2
56 54.5 42.6 64.0





#27

Carbon Disulfide

Concen: 0.827 ppbv

RT: 4.549 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

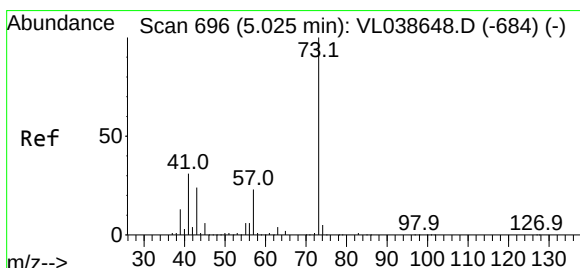
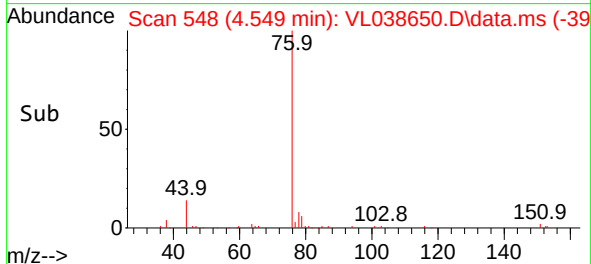
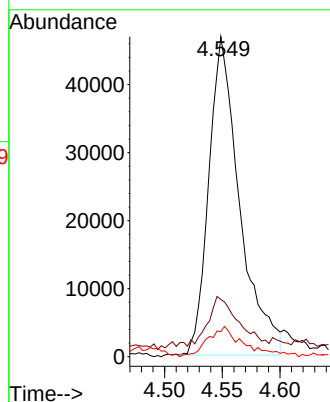
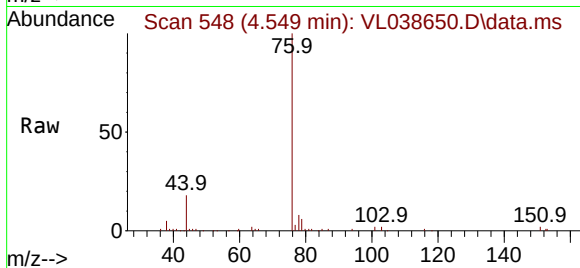
Tgt Ion: 76 Resp: 87084

Ion	Ratio	Lower	Upper
76	100		
44	21.6	12.4	18.6
78	11.0	7.8	11.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#28

Methyl tert-Butyl Ether

Concen: 0.861 ppbv

RT: 5.037 min Scan# 700

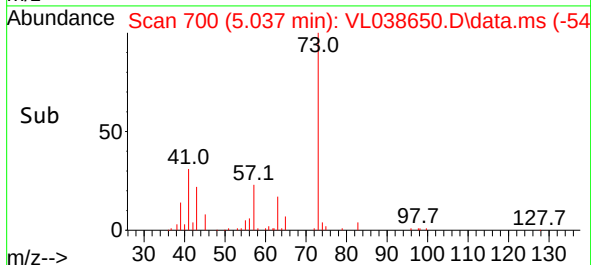
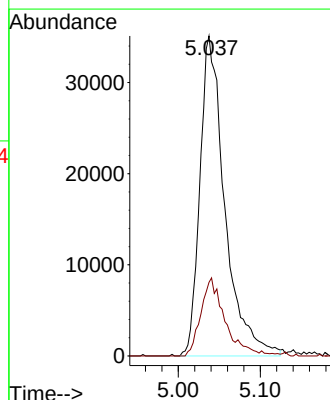
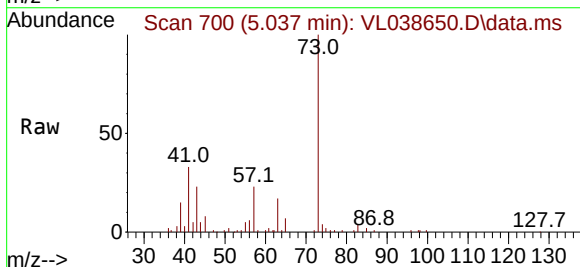
Delta R.T. 0.013 min

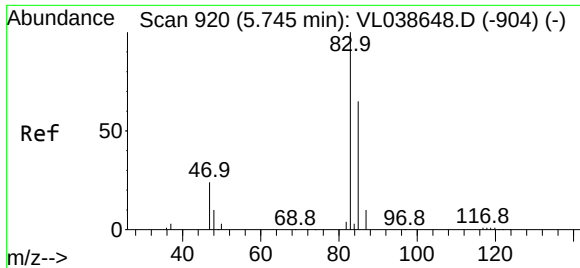
Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

Tgt Ion: 73 Resp: 74082

Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.2	28.8





#29

Chloroform

Concen: 0.949 ppbv

RT: 5.748 min Scan# 91

Delta R.T. 0.003 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 15613

Ion Ratio Lower Upper

83 100

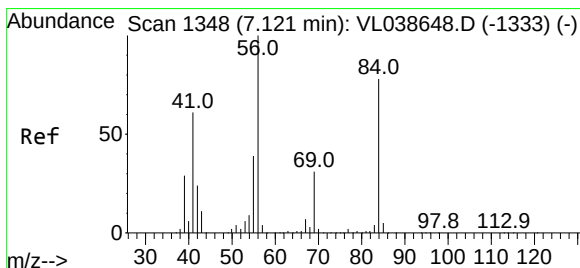
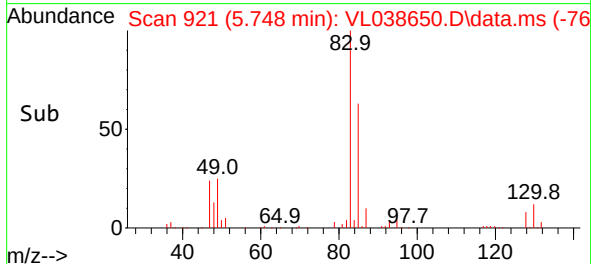
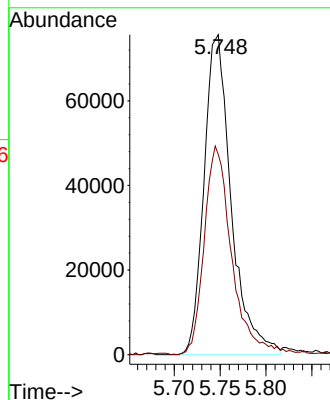
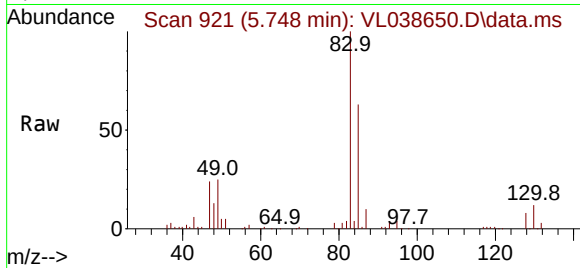
85 62.3 51.7 77.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#30

Cyclohexane

Concen: 0.907 ppbv m

RT: 7.127 min Scan# 1350

Delta R.T. 0.006 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

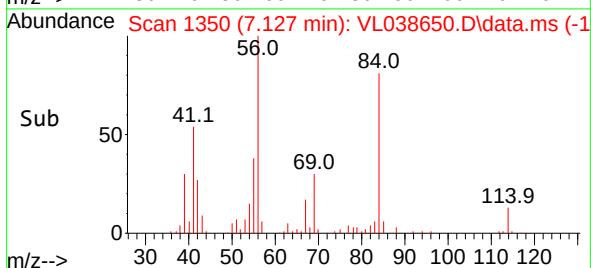
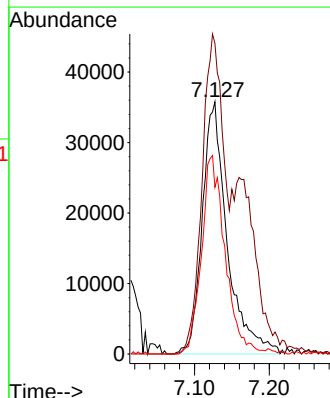
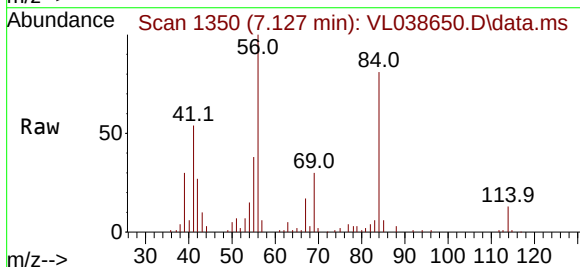
Tgt Ion: 84 Resp: 82860

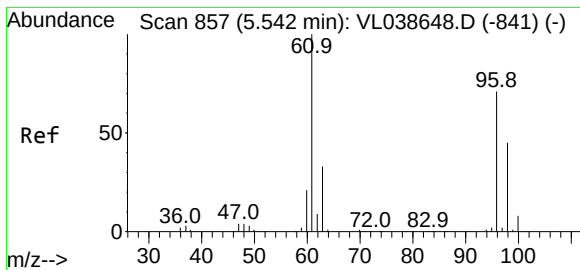
Ion Ratio Lower Upper

84 100

56 180.4 108.2 162.4

41 75.2 61.8 92.6





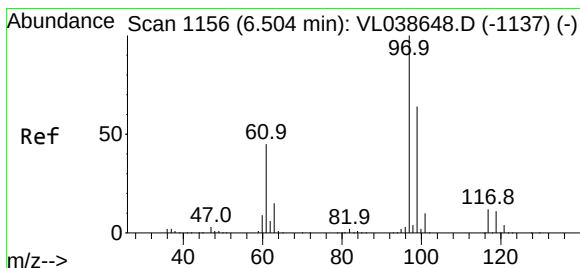
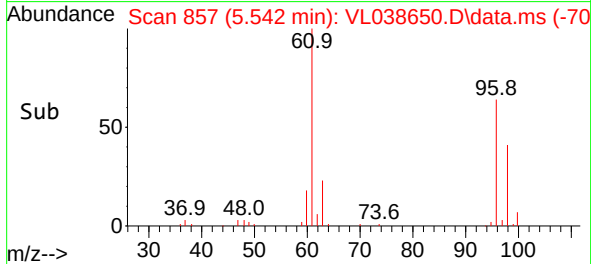
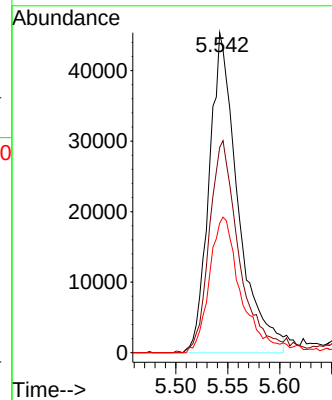
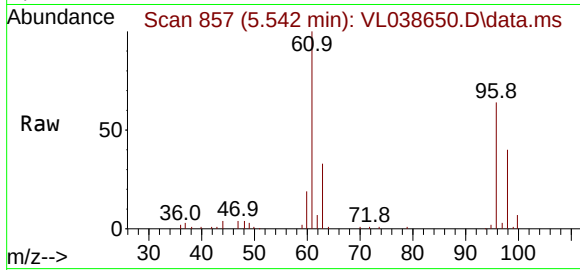
#31
 cis-1,2-Dichloroethene
 Concen: 0.869 ppbv
 RT: 5.542 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 61 Resp: 8787
 Ion Ratio Lower Upper
 61 100
 96 64.2 56.6 84.8
 98 40.5 36.3 54.5

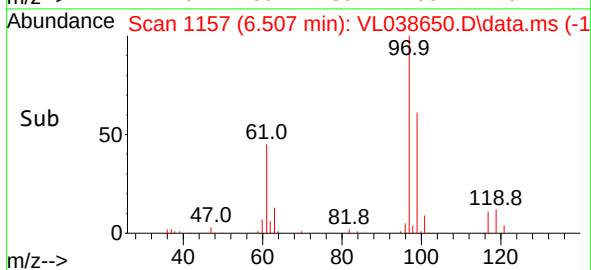
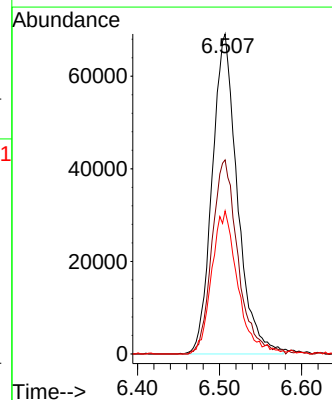
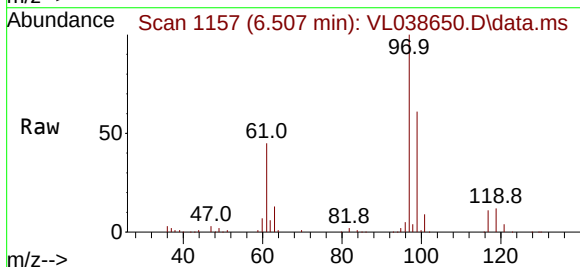
Manual Integrations
 APPROVED

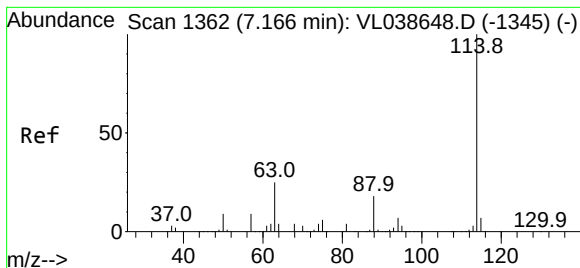
Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022



#32
 1,1,1-Trichloroethane
 Concen: 0.930 ppbv
 RT: 6.507 min Scan# 1157
 Delta R.T. 0.003 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

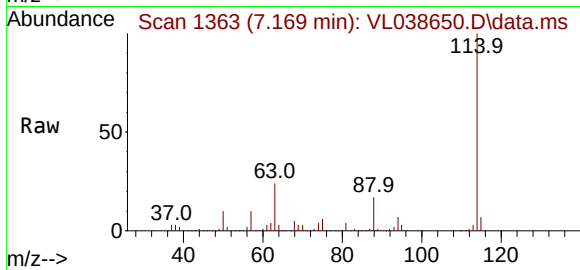
Tgt Ion: 97 Resp: 148256
 Ion Ratio Lower Upper
 97 100
 99 62.7 51.8 77.8
 61 46.8 36.7 55.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 114
Delta R.T. 0.003 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

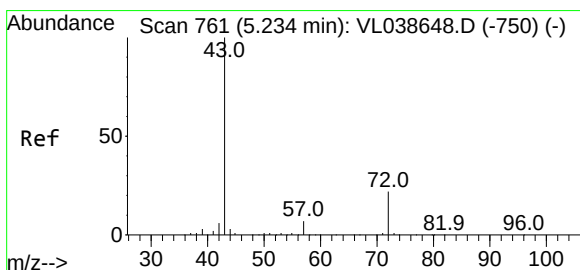
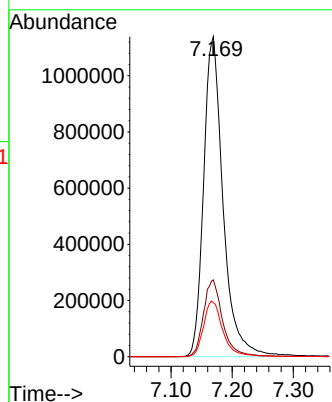
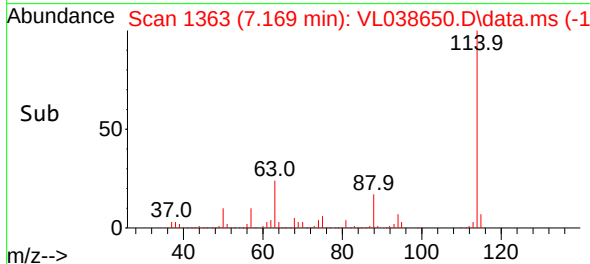
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



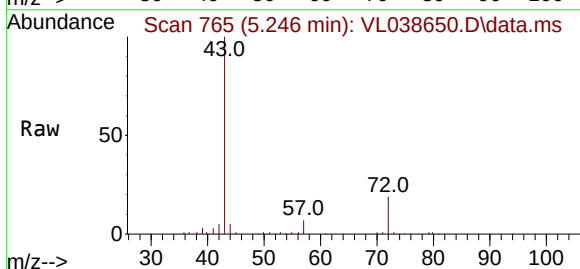
Tgt Ion:114 Resp: 251683
Ion Ratio Lower Upper
114 100
63 24.0 19.4 29.0
88 17.4 13.9 20.9

Manual Integrations
APPROVED

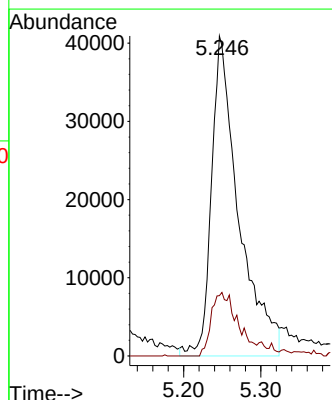
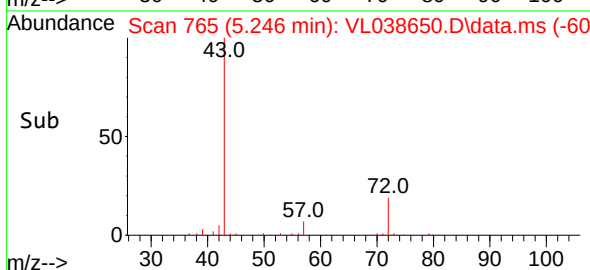
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

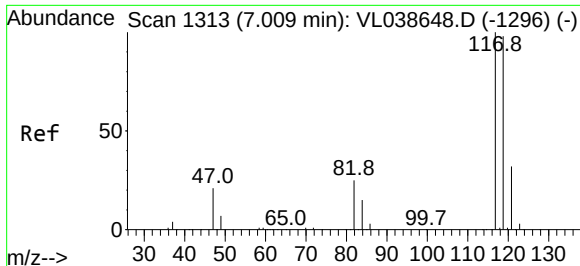


#34
2-Butanone
Concen: 1.538 ppbv m
RT: 5.246 min Scan# 765
Delta R.T. 0.013 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54



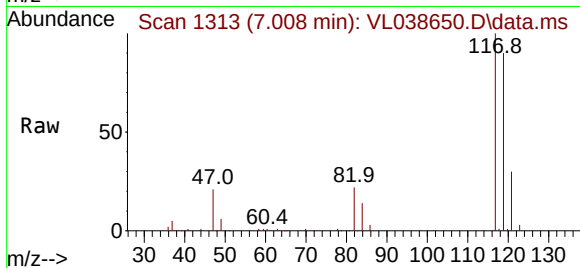
Tgt Ion: 43 Resp: 100362
Ion Ratio Lower Upper
43 100
72 22.8 17.8 26.8





#35
Carbon Tetrachloride
Concen: 0.867 ppbv
RT: 7.008 min Scan# 117
Delta R.T. -0.000 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

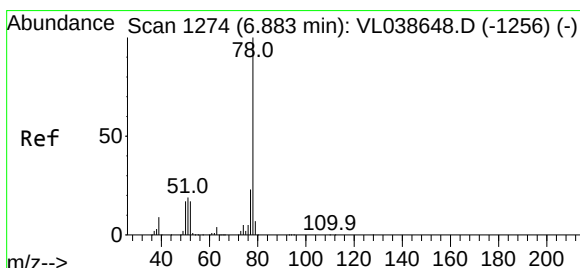
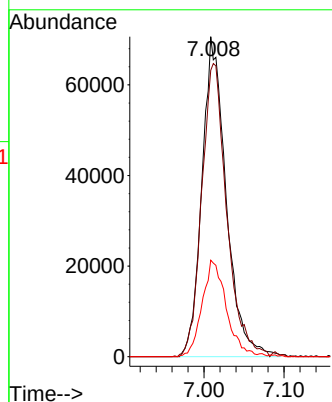
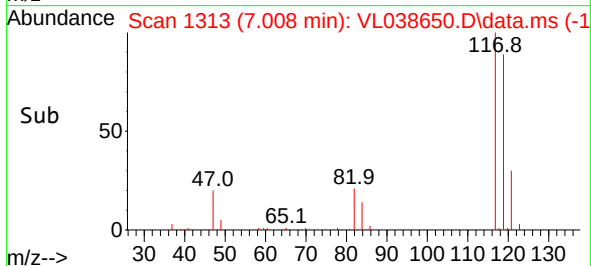
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



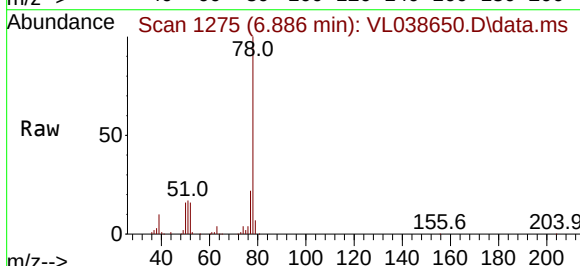
Tgt Ion: 117 Resp: 14887
Ion Ratio Lower Upper
117 100
119 88.0 78.1 117.1
121 29.6 25.8 38.6

Manual Integrations
APPROVED

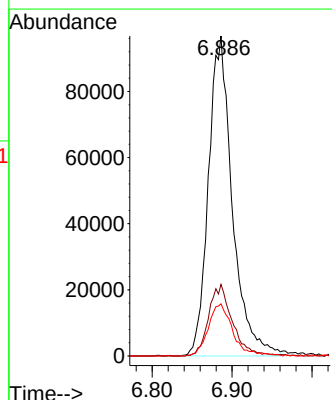
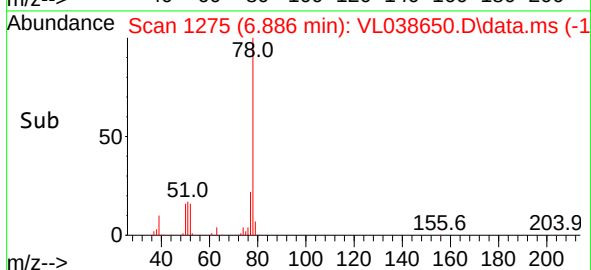
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

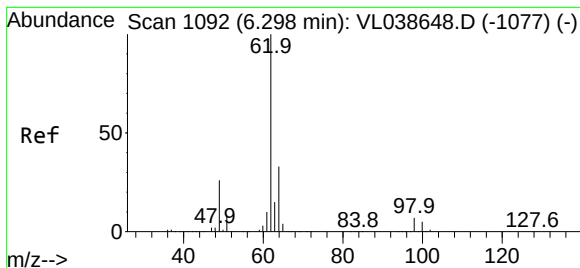


#36
Benzene
Concen: 0.884 ppbv
RT: 6.886 min Scan# 1275
Delta R.T. 0.003 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54



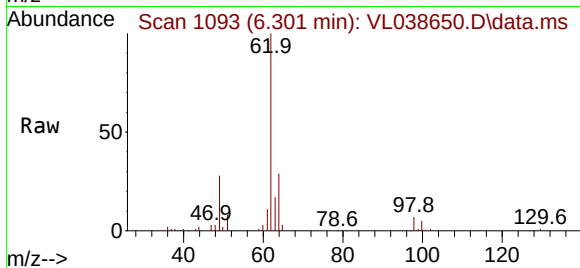
Tgt Ion: 78 Resp: 200870
Ion Ratio Lower Upper
78 100
77 22.4 18.1 27.1
50 16.3 13.6 20.4





#37
1,2-Dichloroethane
Concen: 0.946 ppbv m
RT: 6.301 min Scan# 1093
Delta R.T. 0.003 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

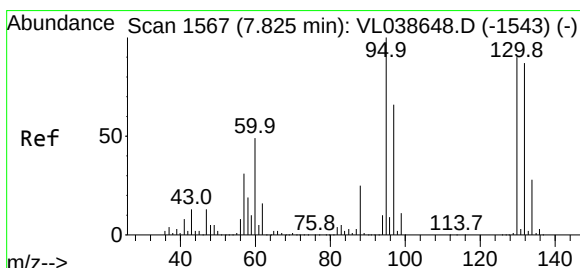
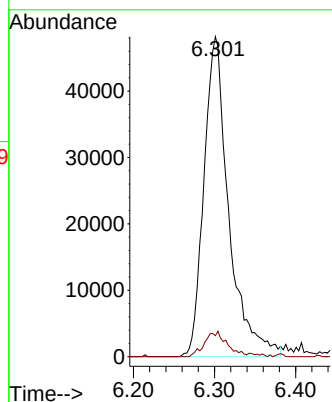
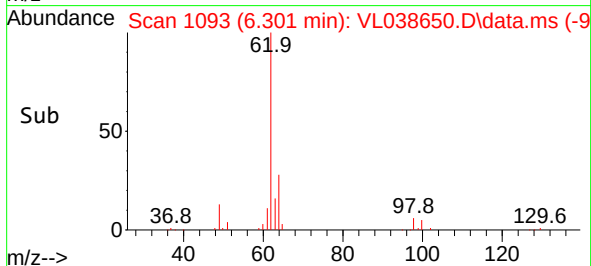
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



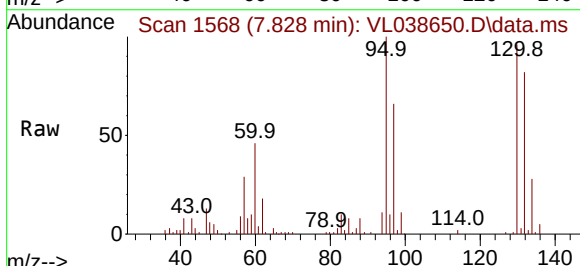
Tgt Ion: 62 Resp: 102654
Ion Ratio Lower Upper
62 100
98 7.3 5.6 8.4

Manual Integrations
APPROVED

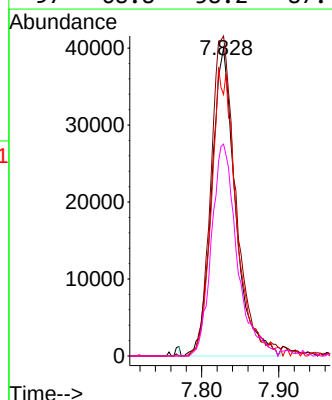
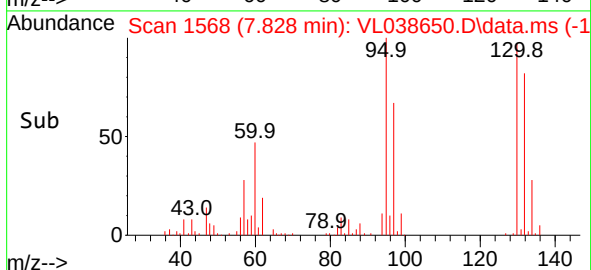
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

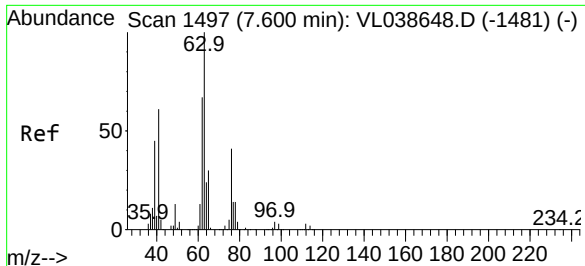


#38
Trichloroethene
Concen: 0.948 ppbv m
RT: 7.828 min Scan# 1568
Delta R.T. 0.003 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54



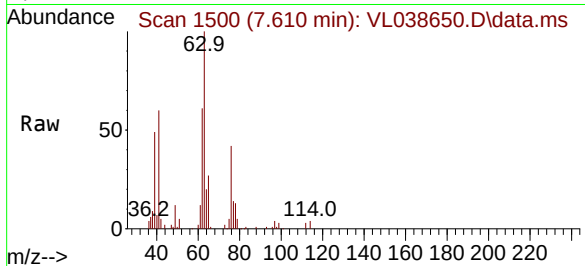
Tgt Ion:130 Resp: 85991
Ion Ratio Lower Upper
130 100
95 103.9 88.9 133.3
132 84.9 77.4 116.0
97 68.8 58.2 87.4





#39
1,2-Dichloropropane
Concen: 0.871 ppbv
RT: 7.610 min Scan# 11
Delta R.T. 0.009 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

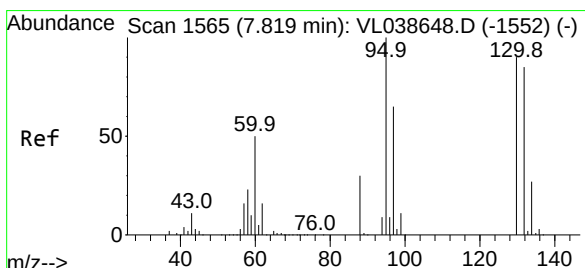
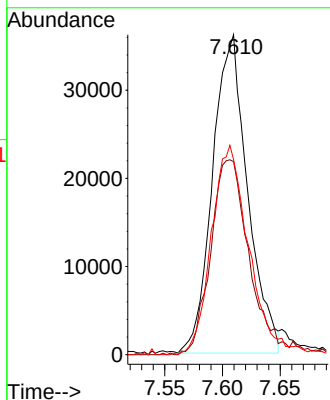
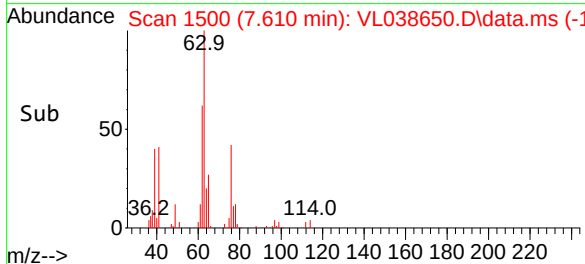
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 63 Resp: 76104
Ion Ratio Lower Upper
63 100
41 60.7 49.0 73.6
62 60.8 53.9 80.9

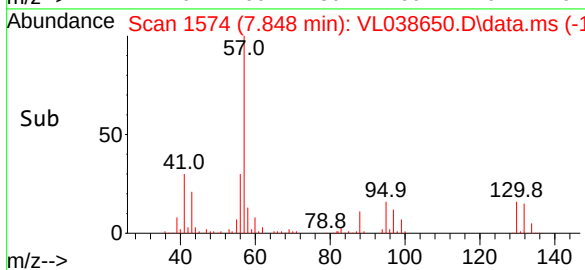
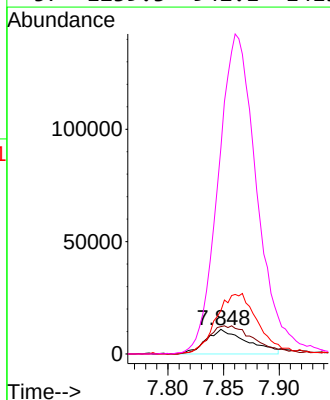
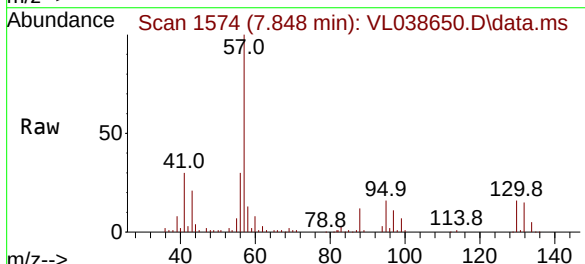
Manual Integrations
APPROVED

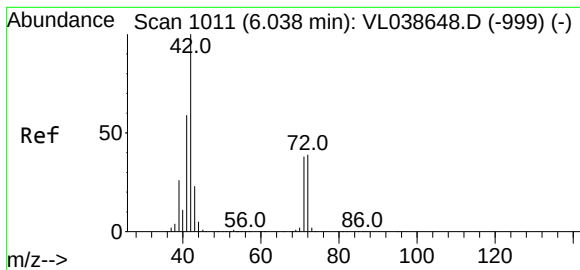
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#40
1,4-Dioxane
Concen: 1.287 ppbv
RT: 7.848 min Scan# 1574
Delta R.T. 0.029 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

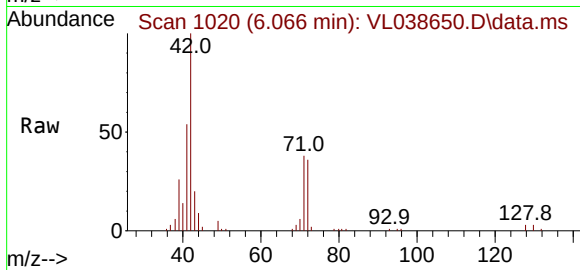
Tgt Ion: 88 Resp: 28142
Ion Ratio Lower Upper
88 100
58 135.3 105.6 158.4
43 257.4 201.9 302.9
57 1239.3 942.1 1413.1





#41
Tetrahydrofuran
Concen: 1.411 ppbv m
RT: 6.066 min Scan# 1020
Delta R.T. 0.029 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

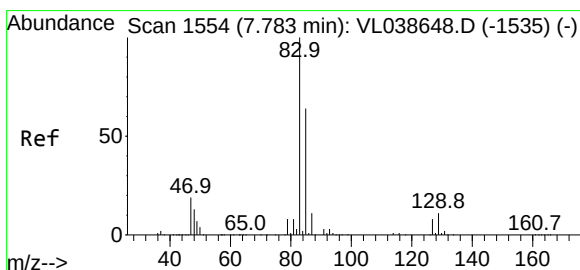
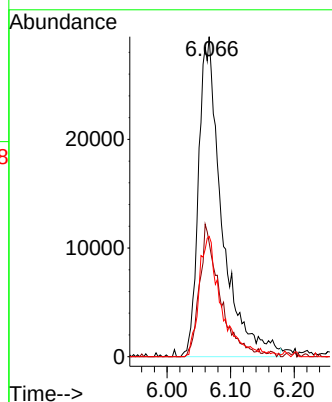
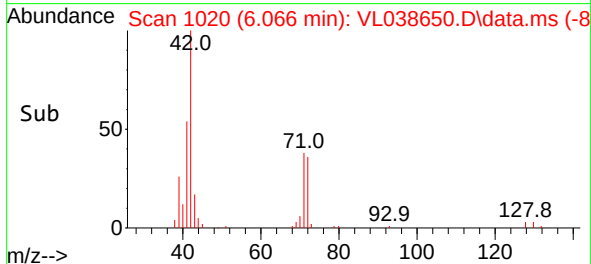
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 42 Resp: 75304
Ion Ratio Lower Upper
42 100
72 36.4 32.5 48.7
71 0.0 31.4 47.2

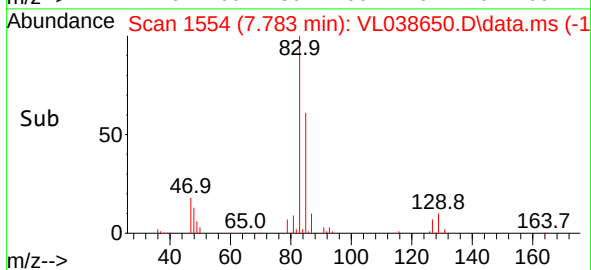
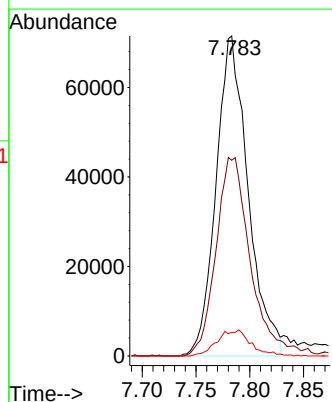
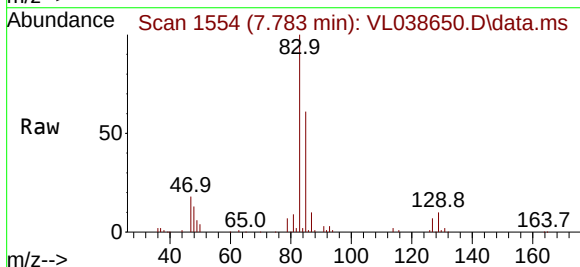
Manual Integrations
APPROVED

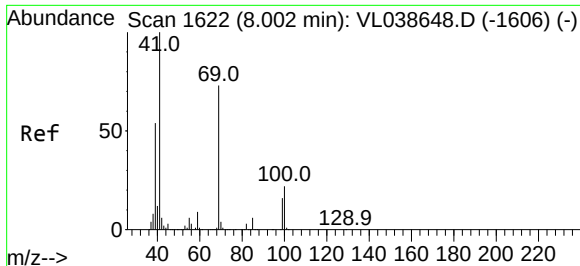
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#42
Bromodichloromethane
Concen: 0.861 ppbv
RT: 7.783 min Scan# 1554
Delta R.T. -0.000 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Tgt Ion: 83 Resp: 148176
Ion Ratio Lower Upper
83 100
85 61.1 51.1 76.7
127 7.4 6.5 9.7





#43

Methyl Methacrylate

Concen: 0.881 ppbv

RT: 8.012 min Scan# 1622

Delta R.T. 0.009 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

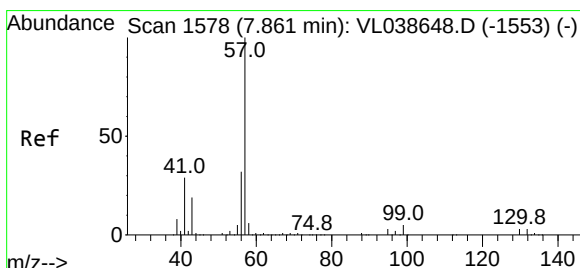
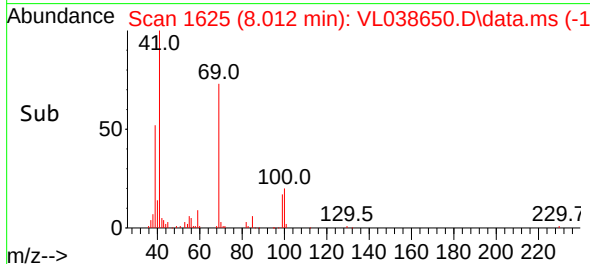
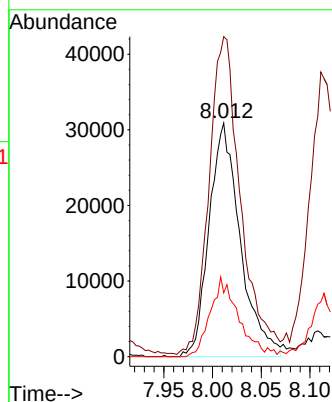
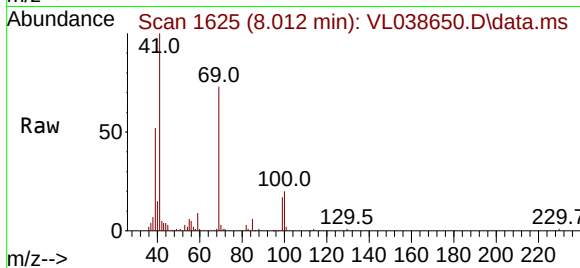
Tgt Ion: 69 Resp: 6867

Ion	Ratio	Lower	Upper
69	100		
41	137.9	110.3	165.5
100	31.1	24.8	37.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#44

2,2,4-Trimethylpentane

Concen: 0.902 ppbv

RT: 7.860 min Scan# 1578

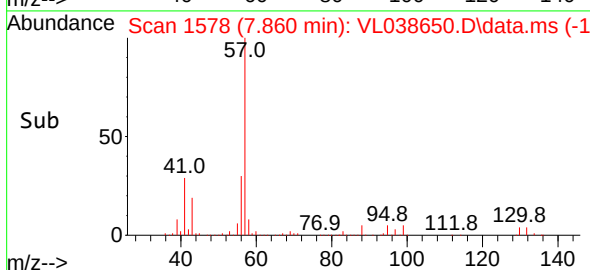
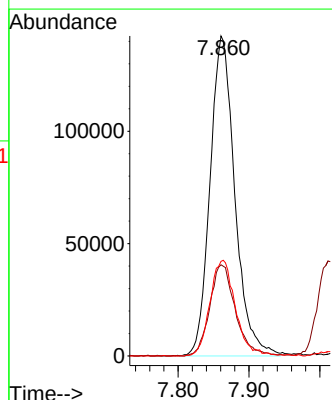
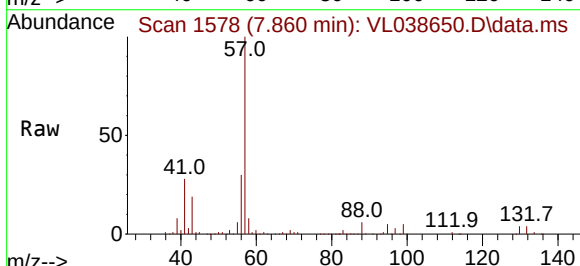
Delta R.T. -0.000 min

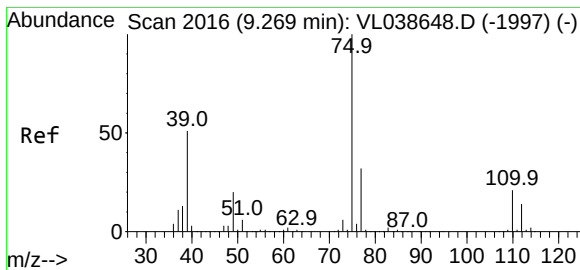
Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

Tgt Ion: 57 Resp: 346410

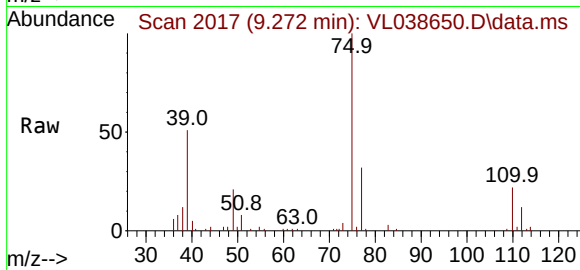
Ion	Ratio	Lower	Upper
57	100		
41	29.7	23.0	34.4
56	30.9	25.3	37.9





#45
t-1,3-Dichloropropene
Concen: 1.150 ppbv m
RT: 9.272 min Scan# 2016
Delta R.T. 0.003 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

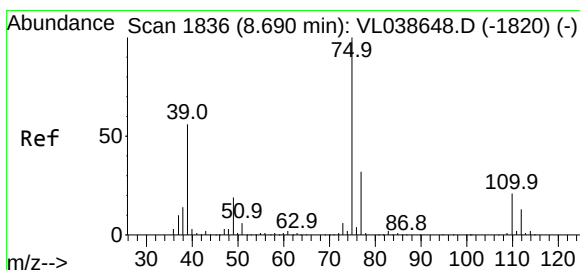
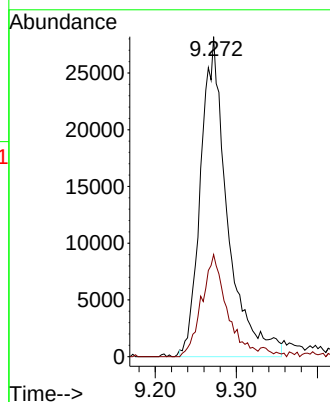
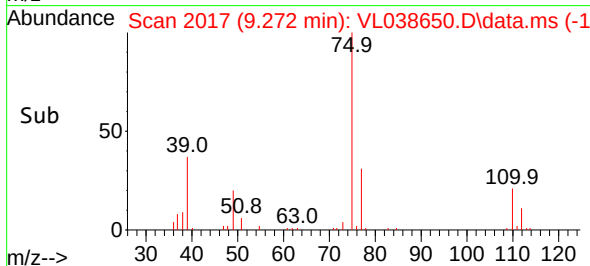
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



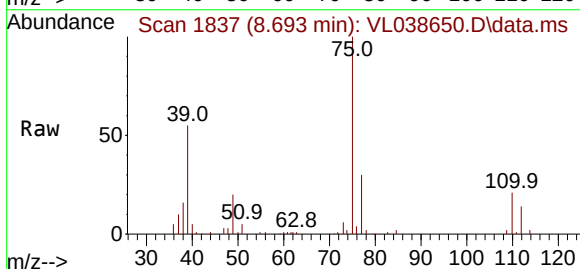
Tgt Ion: 75 Resp: 64598
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3

Manual Integrations
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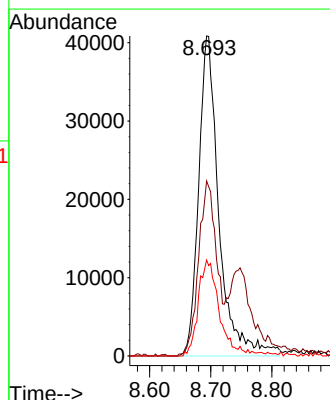
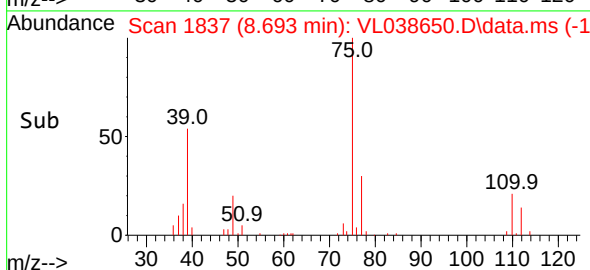
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

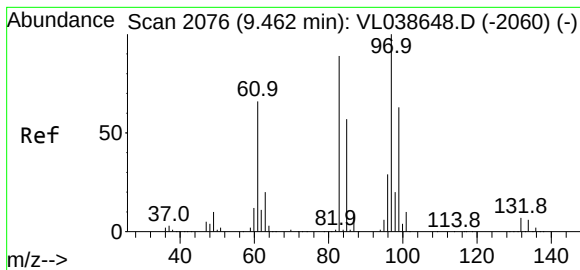


#46
cis-1,3-Dichloropropene
Concen: 1.226 ppbv m
RT: 8.693 min Scan# 1837
Delta R.T. 0.003 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54



Tgt Ion: 75 Resp: 94191
Ion Ratio Lower Upper
75 100
39 54.7 44.8 67.2
77 30.0 25.4 38.0





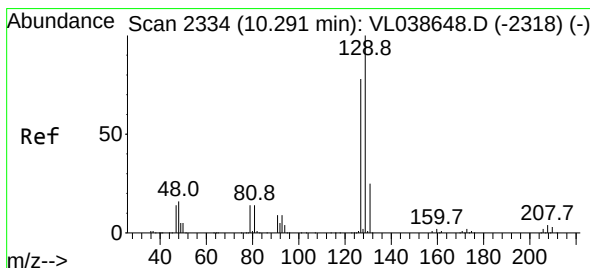
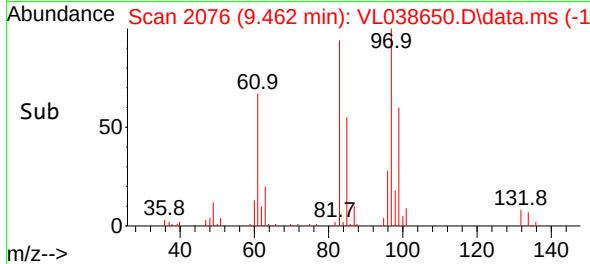
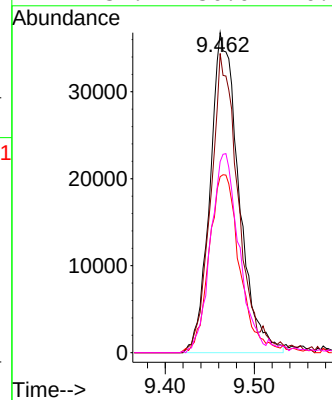
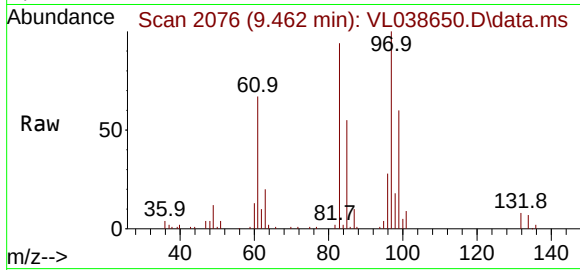
#47
1,1,2-Trichloroethane
Concen: 0.930 ppbv
RT: 9.462 min Scan# 2076
Delta R.T. -0.000 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97	Resp: 8276
Ion Ratio	Lower Upper
97 100	
83 93.5	71.2 106.8
85 54.4	45.3 67.9
99 59.2	50.6 76.0

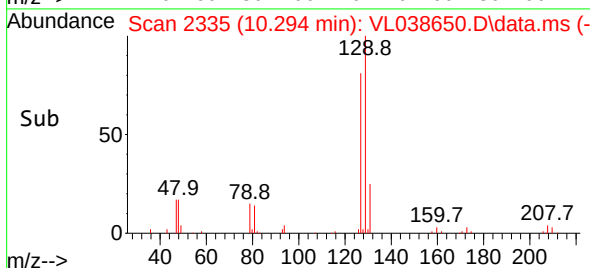
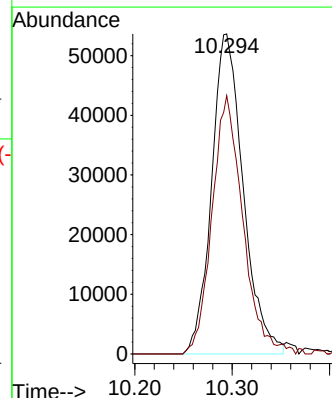
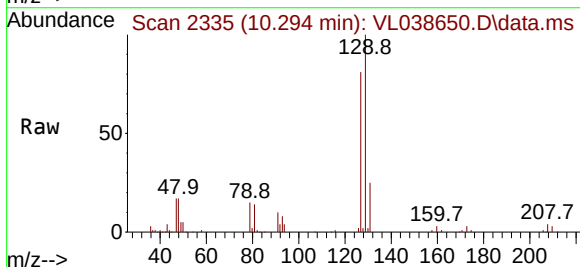
Manual Integrations
APPROVED

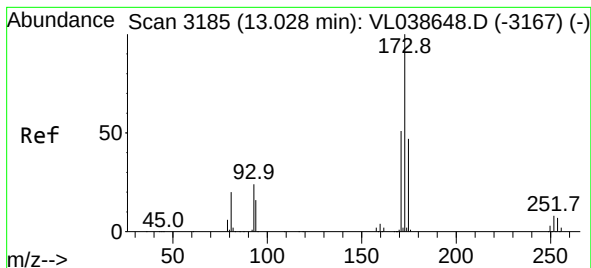
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#48
Dibromochloromethane
Concen: 0.857 ppbv
RT: 10.294 min Scan# 2335
Delta R.T. 0.003 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Tgt Ion:129	Resp: 121107
Ion Ratio	Lower Upper
129 100	
127 78.7	39.5 118.5





#49

Bromoform

Concen: 0.882 ppbv

RT: 13.031 min Scan# 3185

Delta R.T. 0.003 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

Instrument :

MSVOA_L

ClientSampleId :

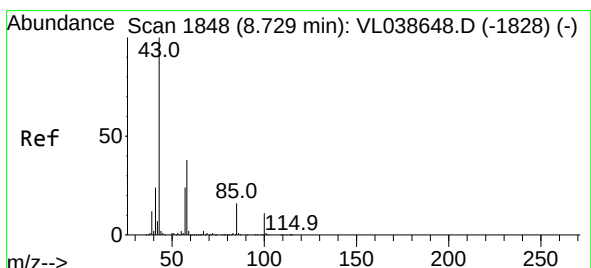
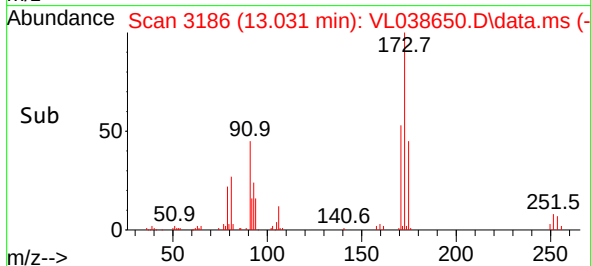
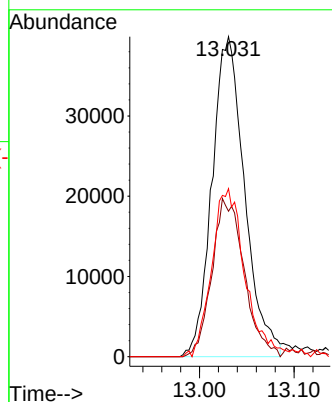
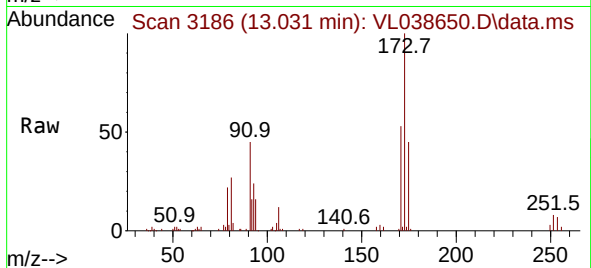
VSTDIC001

Tgt Ion:	173	Resp:	95480
Ion Ratio	Lower	Upper	
173	100		
175	49.9	41.0	61.6
171	54.5	43.1	64.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#50

4-Methyl-2-Pentanone

Concen: 1.375 ppbv m

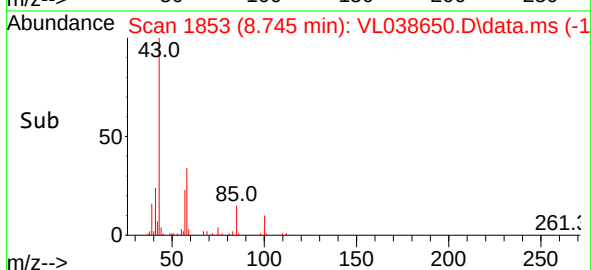
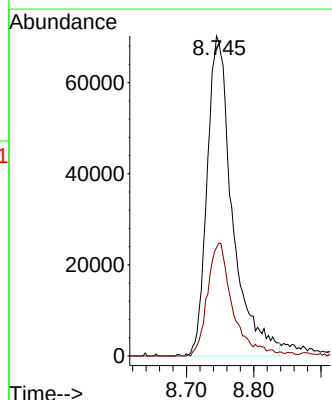
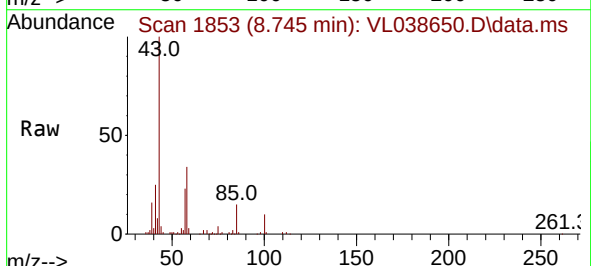
RT: 8.745 min Scan# 1853

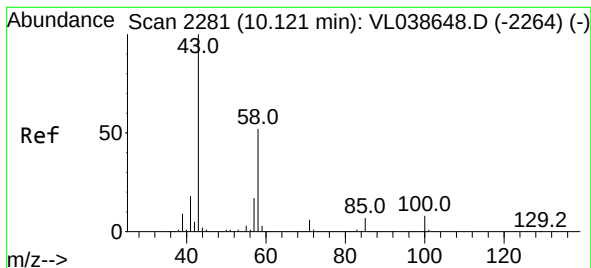
Delta R.T. 0.016 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

Tgt Ion:	43	Resp:	183929
Ion Ratio	Lower	Upper	
43	100		
58	35.5	29.9	44.9





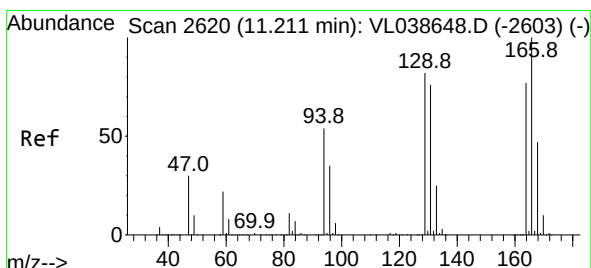
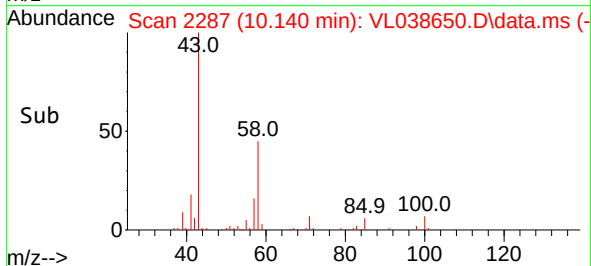
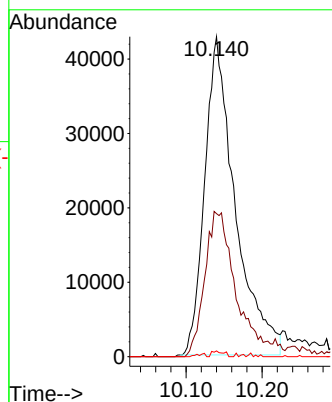
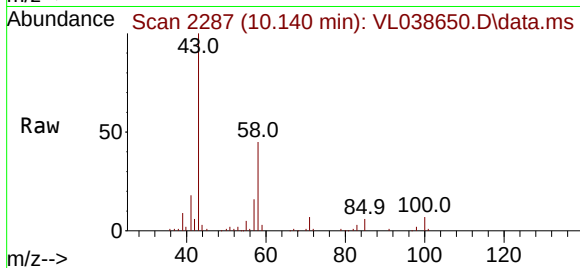
#51
2-Hexanone
Concen: 2.107 ppbv
RT: 10.140 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 11909
Ion Ratio Lower Upper
43 100
58 49.7 41.2 61.8
98 0.9 0.2 0.4

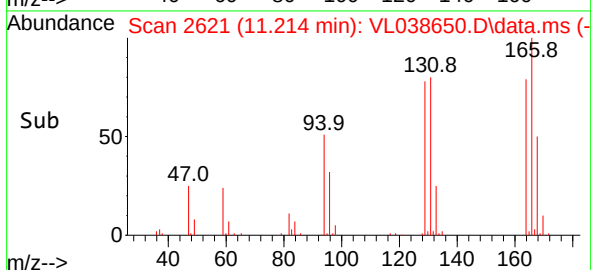
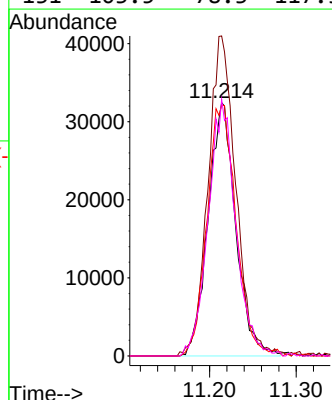
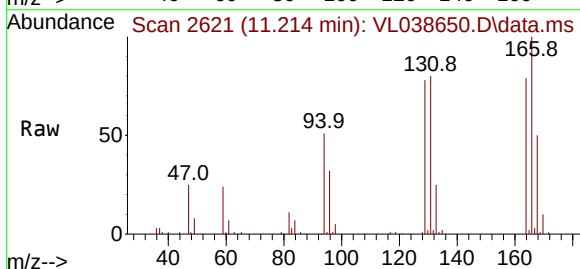
Manual Integrations
APPROVED

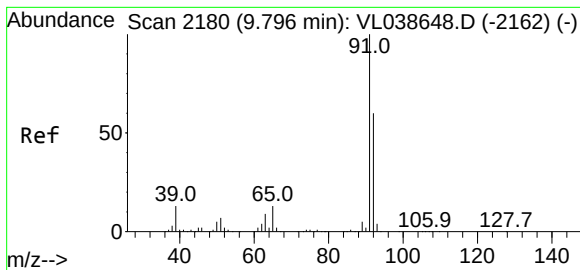
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#52
Tetrachloroethene
Concen: 0.863 ppbv
RT: 11.214 min Scan# 2621
Delta R.T. 0.003 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Tgt Ion:164 Resp: 71858
Ion Ratio Lower Upper
164 100
166 124.7 103.3 154.9
129 99.0 85.2 127.8
131 103.5 78.3 117.5





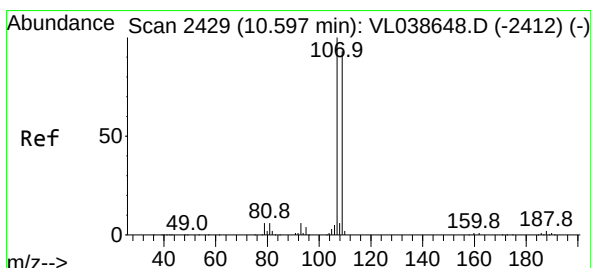
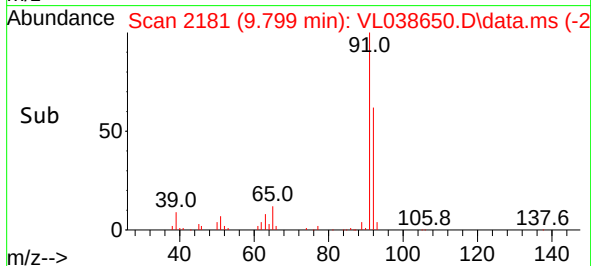
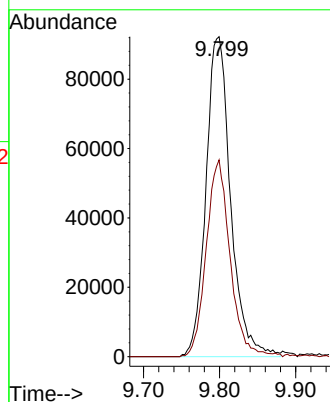
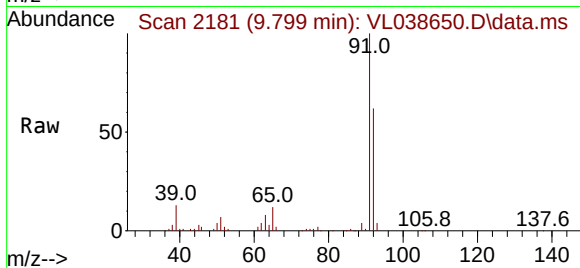
#53
Toluene
Concen: 0.857 ppbv
RT: 9.799 min Scan# 2180
Delta R.T. 0.003 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 207872
Ion Ratio Lower Upper
91 100
92 60.0 48.7 73.1

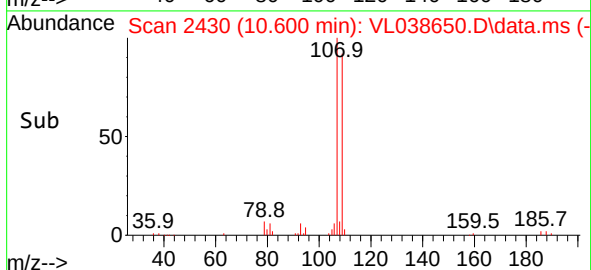
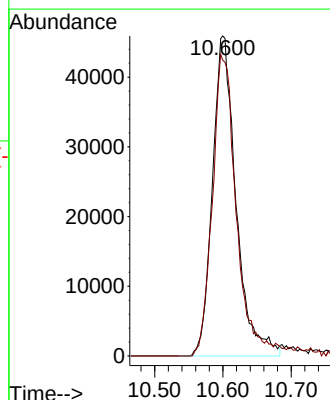
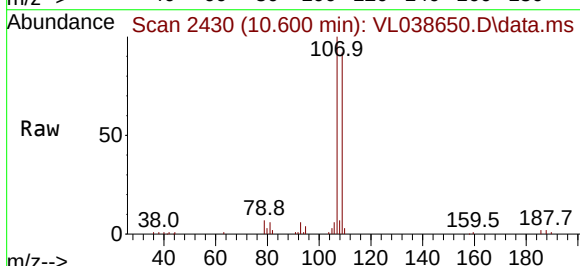
Manual Integrations
APPROVED

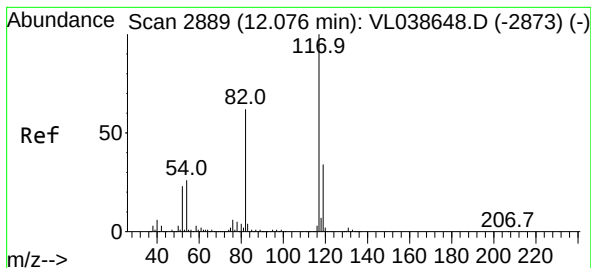
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#54
1,2-Dibromoethane
Concen: 0.868 ppbv m
RT: 10.600 min Scan# 2430
Delta R.T. 0.003 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Tgt Ion:107 Resp: 110364
Ion Ratio Lower Upper
107 100
109 92.4 74.1 111.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.076 min Scan# 2889

Delta R.T. -0.000 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:117 Resp: 2288280

Ion Ratio Lower Upper

117 100

82 63.6 51.6 77.4

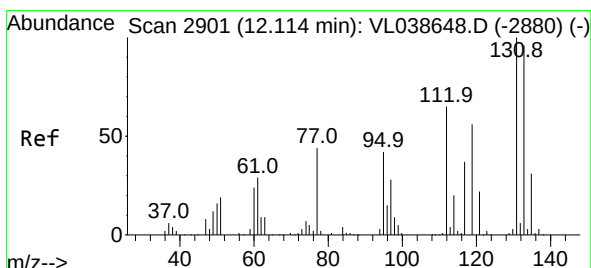
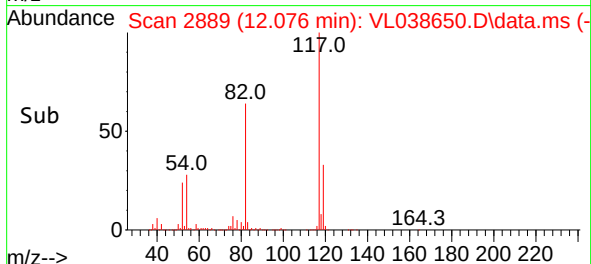
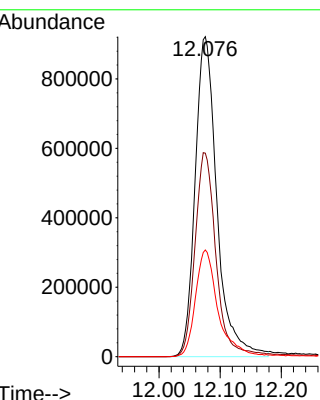
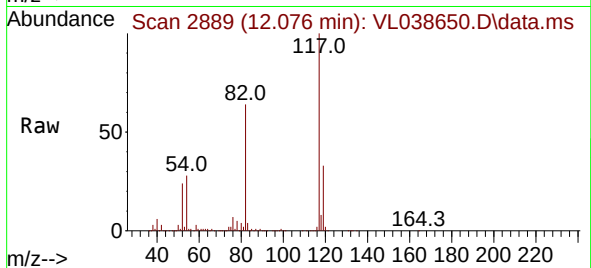
119 34.9 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#56

1,1,1,2-Tetrachloroethane

Concen: 1.052 ppbv

RT: 12.114 min Scan# 2901

Delta R.T. -0.000 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

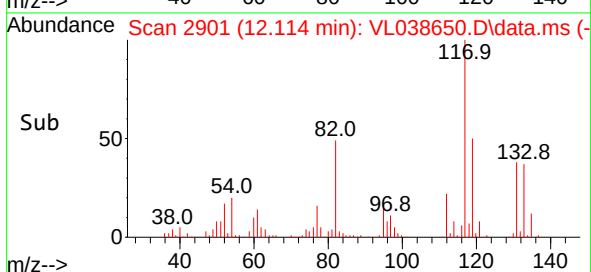
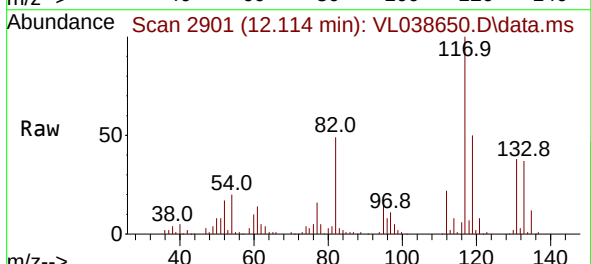
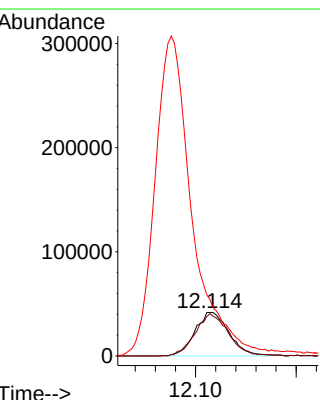
Tgt Ion:131 Resp: 98014

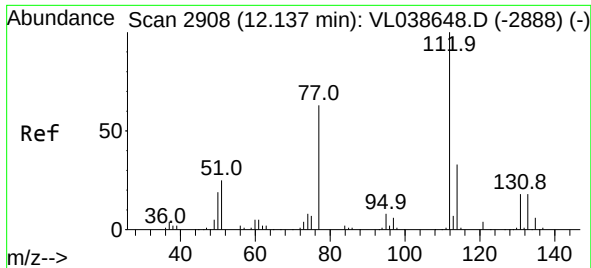
Ion Ratio Lower Upper

131 100

133 96.5 77.3 115.9

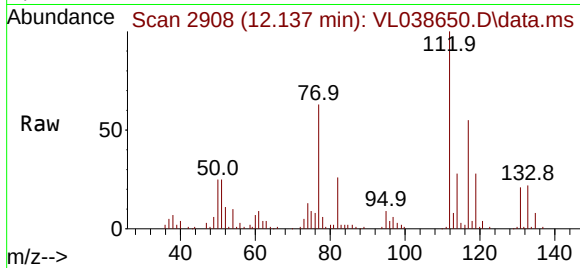
119 827.1 53.0 79.6#





#57
Chlorobenzene
Concen: 0.982 ppbv
RT: 12.137 min Scan# 2908
Delta R.T. -0.000 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

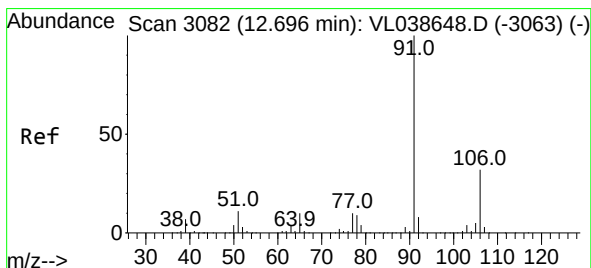
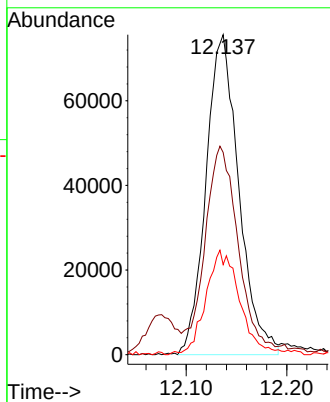
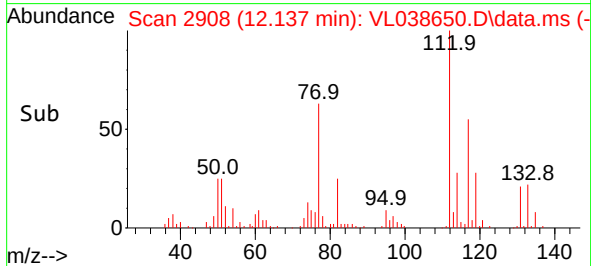
Instrument :
MSVOA_L
Client Sample Id :
VSTDIC001



Tgt Ion: 112 Resp: 171614
Ion Ratio Lower Upper
112 100
77 60.6 51.0 76.6
114 27.5 29.8 36.4

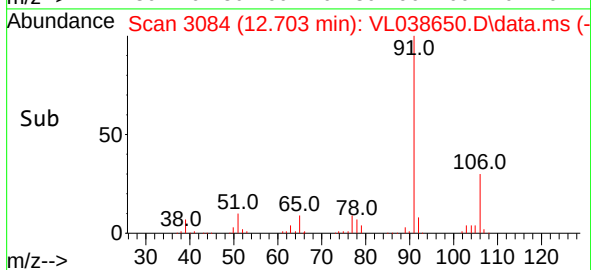
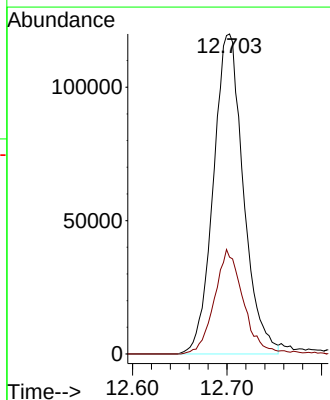
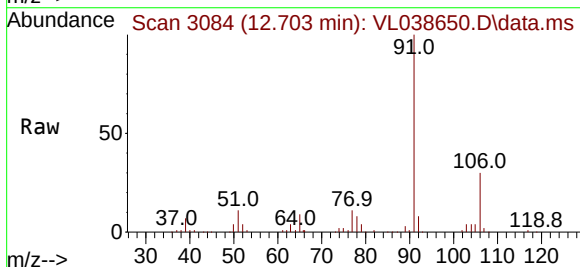
Manual Integrations
APPROVED

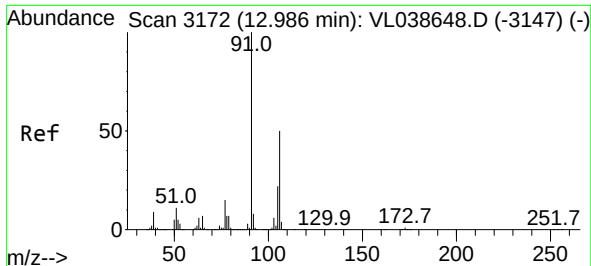
Reviewed By : Semsettin Yesilyurt 03/22/2022
Supervised By : Mahesh Dadoda 03/24/2022



#58
Ethyl Benzene
Concen: 0.895 ppbv
RT: 12.703 min Scan# 3084
Delta R.T. 0.006 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Tgt Ion: 91 Resp: 265029
Ion Ratio Lower Upper
91 100
106 30.3 25.4 38.0





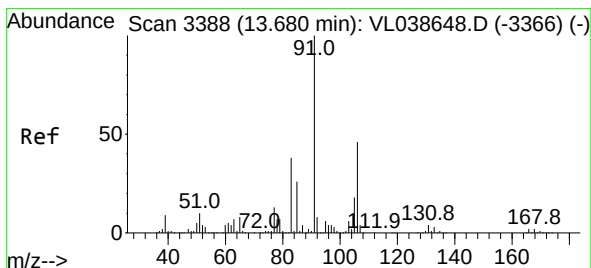
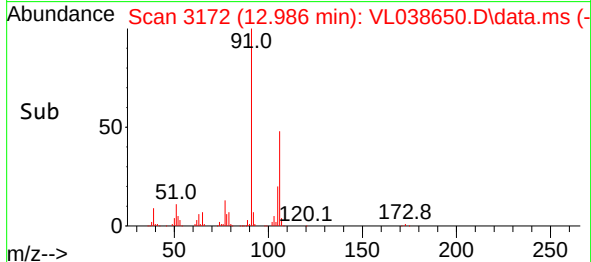
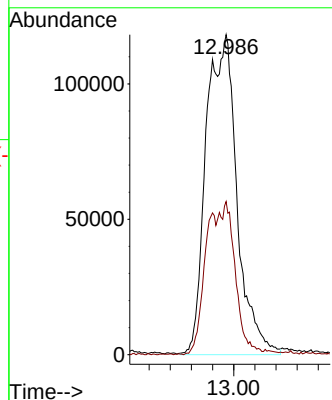
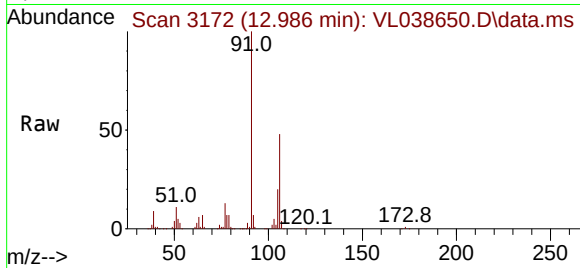
#59
m/p-Xylene
Concen: 1.890 ppbv m
RT: 12.986 min Scan# 3172
Delta R.T. -0.000 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 47935
Ion Ratio Lower Upper
91 100
106 45.3 37.2 55.8

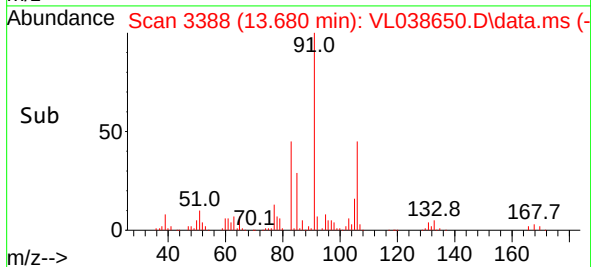
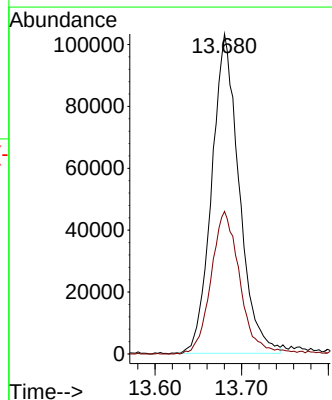
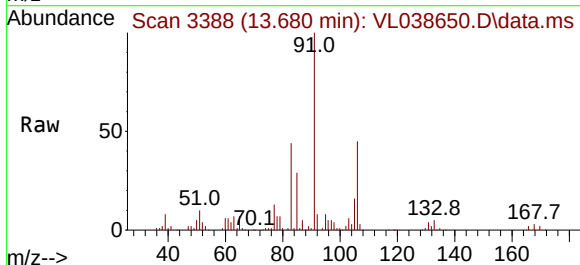
Manual Integrations
APPROVED

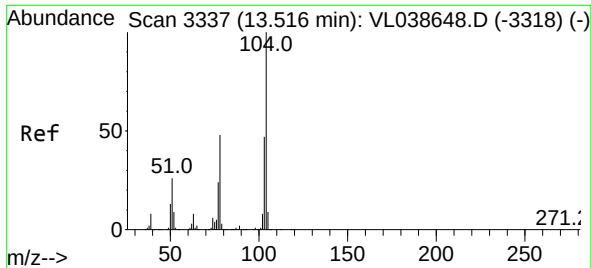
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#60
o-Xylene
Concen: 0.948 ppbv
RT: 13.680 min Scan# 3388
Delta R.T. -0.000 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

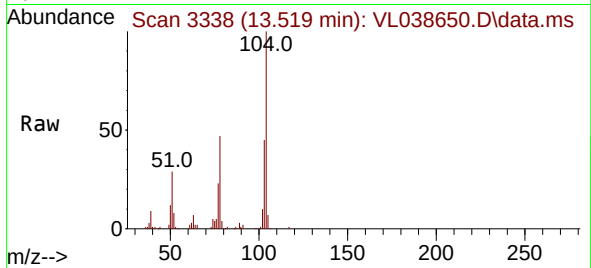
Tgt Ion: 91 Resp: 227072
Ion Ratio Lower Upper
91 100
106 47.4 23.5 70.5





#61
Styrene
Concen: 0.908 ppbv
RT: 13.519 min Scan# 311
Delta R.T. 0.003 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

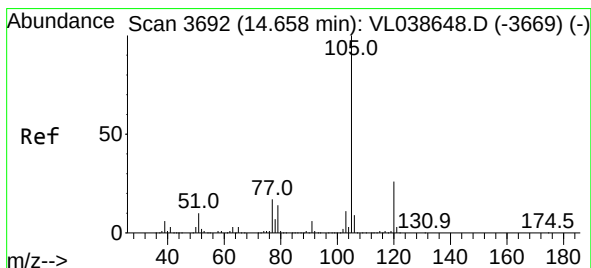
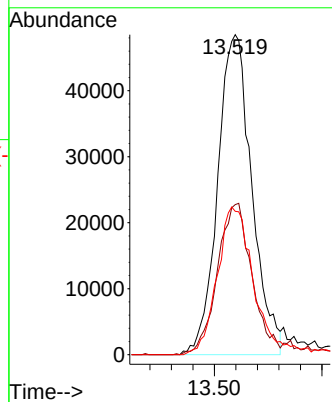
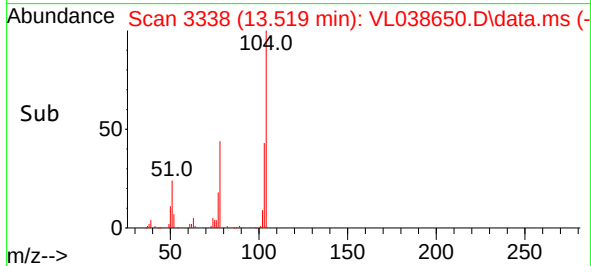
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



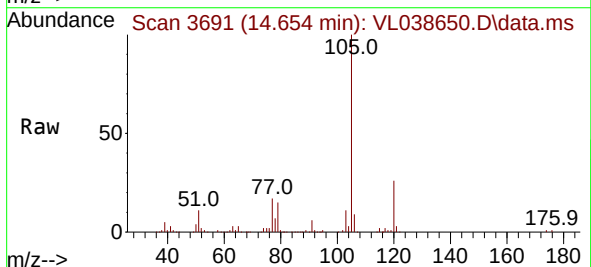
Tgt Ion:104 Resp: 10711
Ion Ratio Lower Upper
104 100
78 50.4 39.0 58.4
103 50.6 37.8 56.8

Manual Integrations
APPROVED

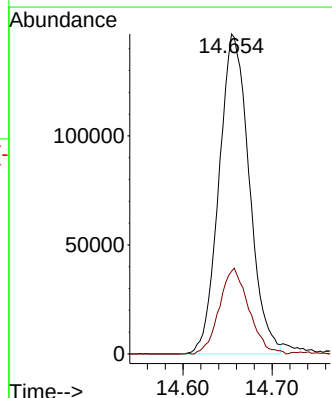
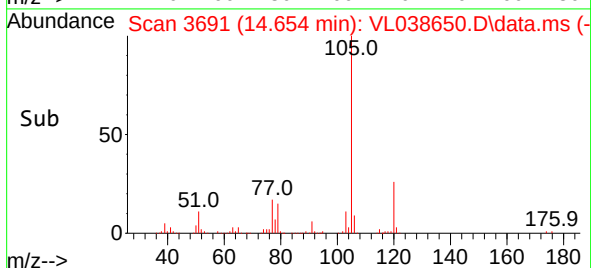
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

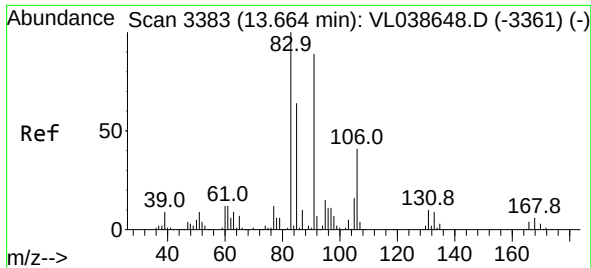


#62
Isopropylbenzene
Concen: 1.045 ppbv
RT: 14.654 min Scan# 3691
Delta R.T. -0.003 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54



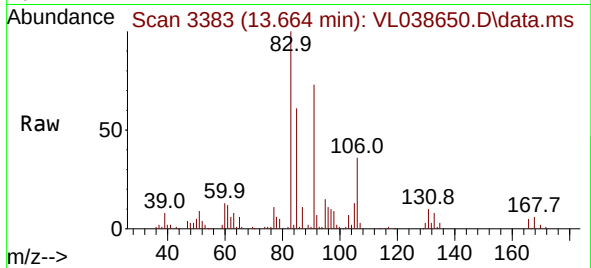
Tgt Ion:105 Resp: 345293
Ion Ratio Lower Upper
105 100
120 26.4 21.2 31.8





#63
1,1,2,2-Tetrachloroethane
Concen: 0.830 ppbv
RT: 13.664 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

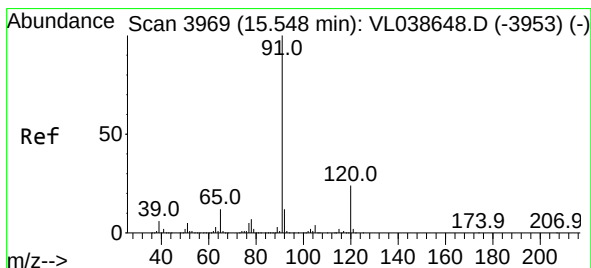
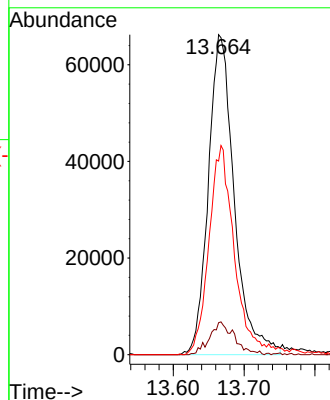
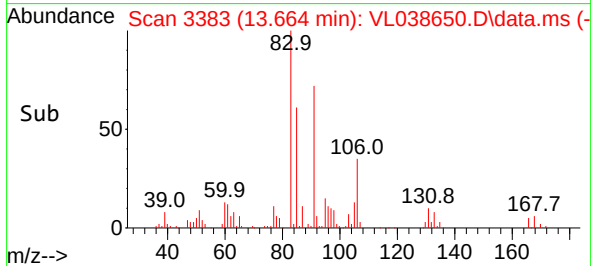
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



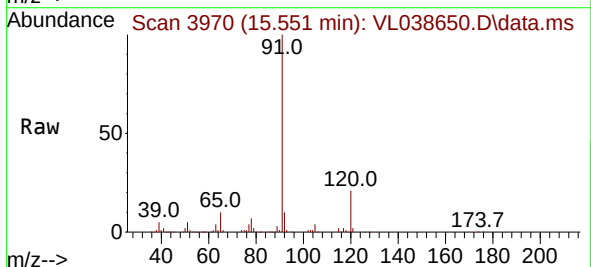
Tgt Ion: 83 Resp: 167938
Ion Ratio Lower Upper
83 100
131 10.0 4.8 14.3
85 66.1 32.6 97.8

Manual Integrations
APPROVED

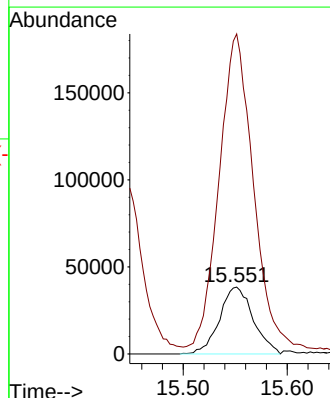
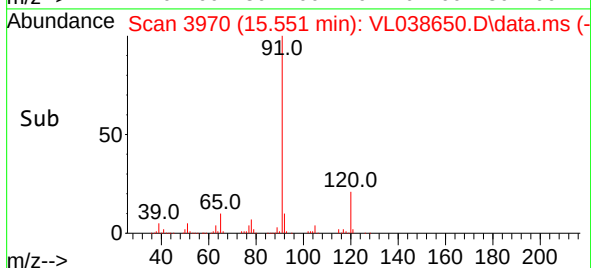
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

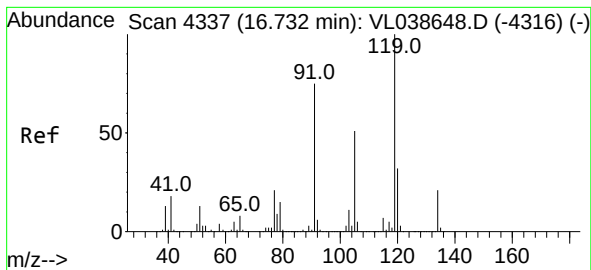


#64
n-propylbenzene
Concen: 1.027 ppbv
RT: 15.551 min Scan# 3970
Delta R.T. 0.003 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54



Tgt Ion:120 Resp: 86539
Ion Ratio Lower Upper
120 100
91 506.5 368.0 552.0





#65

tert-Butylbenzene

Concen: 1.064 ppbv

RT: 16.735 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

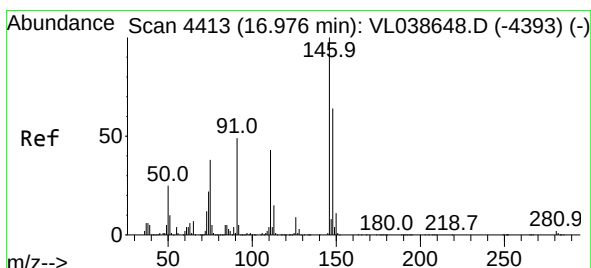
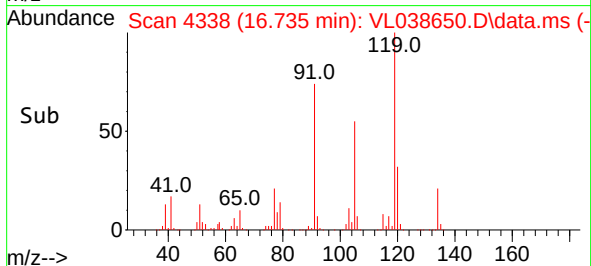
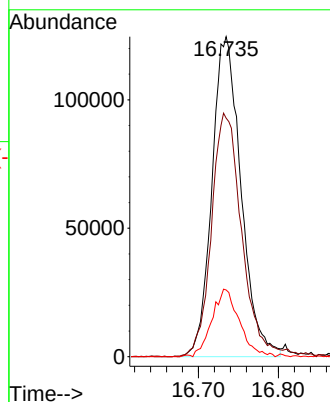
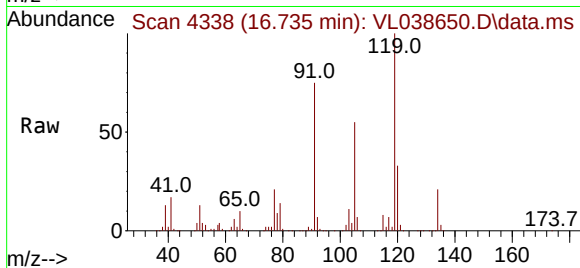
Tgt Ion: 119 Resp: 31458

Ion	Ratio	Lower	Upper
119	100		
91	80.1	61.2	91.8
134	20.2	16.3	24.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#66

Benzyl Chloride

Concen: 2.544 ppbv m

RT: 16.976 min Scan# 4413

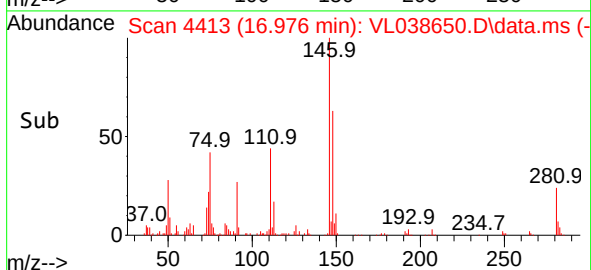
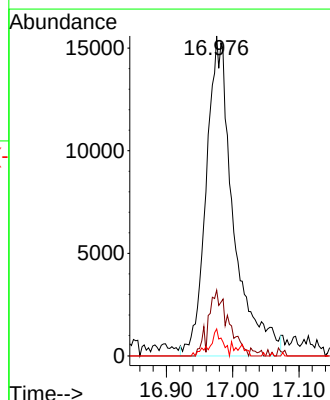
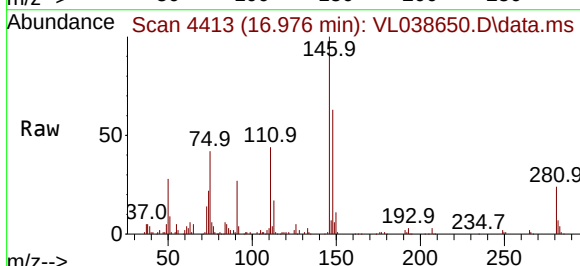
Delta R.T. -0.000 min

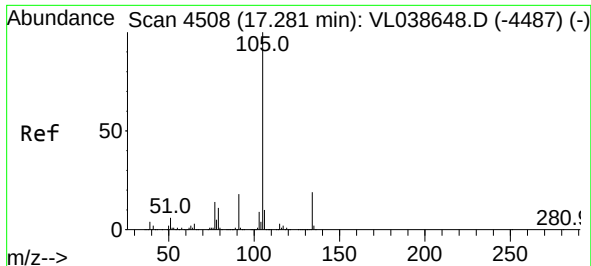
Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

Tgt Ion: 91 Resp: 44556

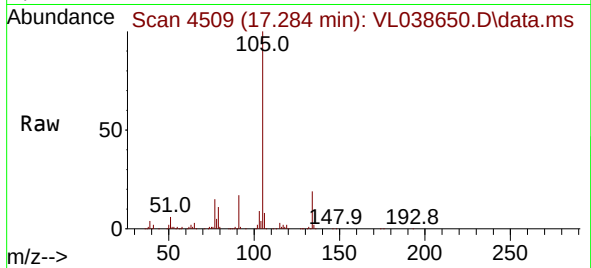
Ion	Ratio	Lower	Upper
91	100		
126	15.1	14.3	21.5
128	3.8	4.6	6.8





#67
 sec-Butylbenzene
 Concen: 1.078 ppbv
 RT: 17.284 min Scan# 4509
 Delta R.T. 0.003 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

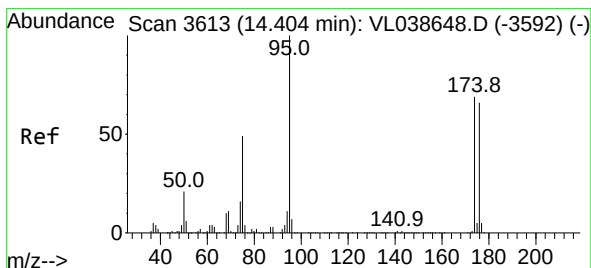
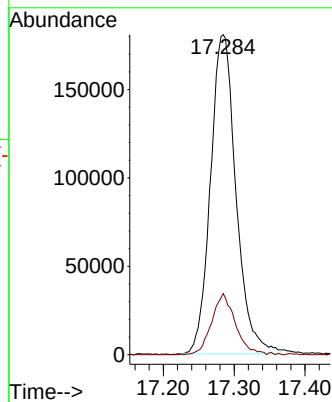
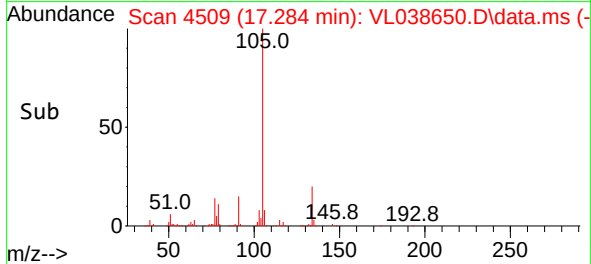
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 105 Resp: 45295
 Ion Ratio Lower Upper
 105 100
 134 17.8 15.1 22.7

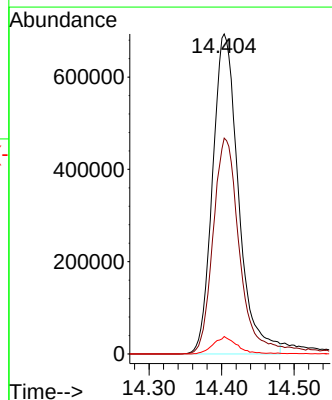
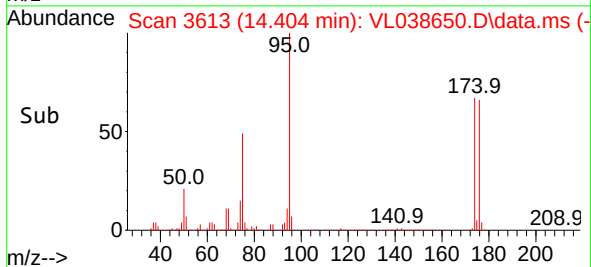
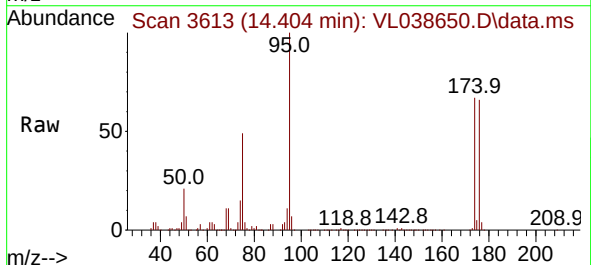
Manual Integrations
 APPROVED

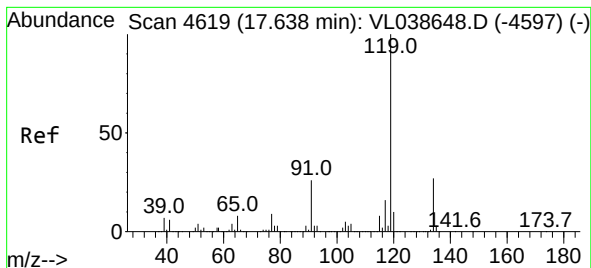
Reviewed By : Semsettin Yesilyurt 03/22/2022
 Supervised By : Mahesh Dadoda 03/24/2022



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.898 ppbv
 RT: 14.404 min Scan# 3613
 Delta R.T. -0.000 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

Tgt Ion: 95 Resp: 1722074
 Ion Ratio Lower Upper
 95 100
 174 71.4 56.1 84.1
 175 5.3 4.2 6.2





#69

p-Isopropyltoluene

Concen: 1.037 ppbv

RT: 17.641 min Scan# 4620

Delta R.T. 0.003 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

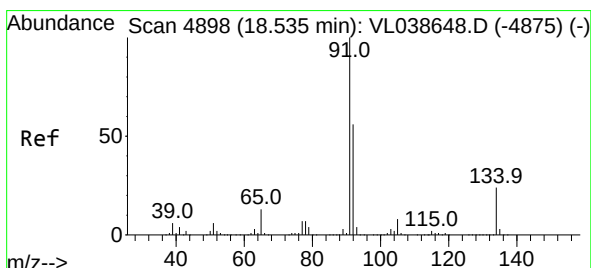
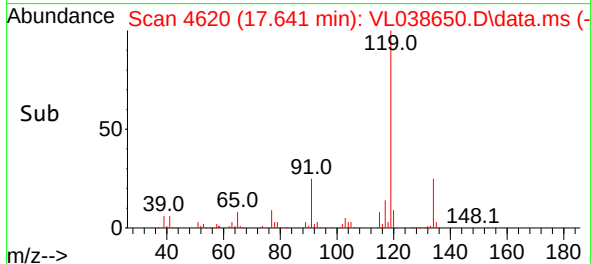
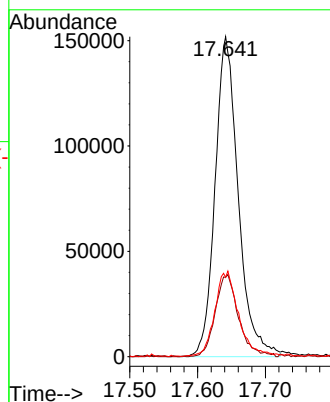
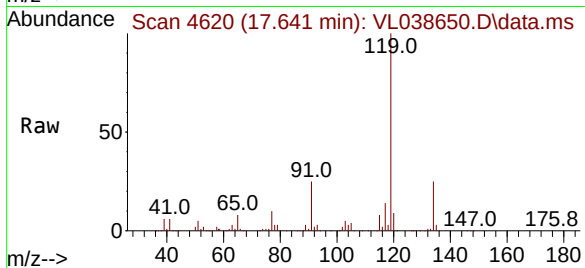
Tgt Ion: 119 Resp: 36091

Ion	Ratio	Lower	Upper
119	100		
134	25.7	21.2	31.8
91	27.1	21.4	32.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#70

n-Butylbenzene

Concen: 0.979 ppbv

RT: 18.538 min Scan# 4899

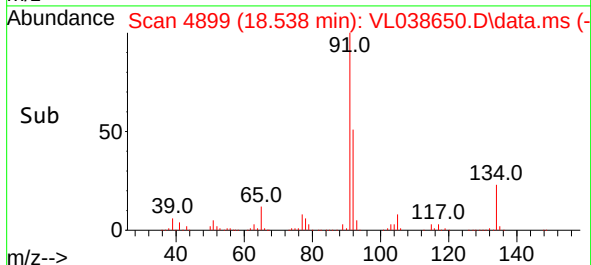
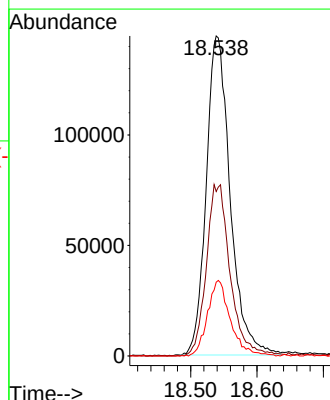
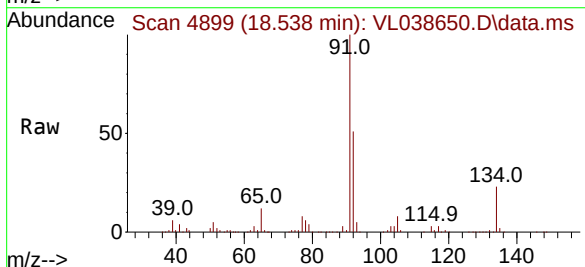
Delta R.T. 0.003 min

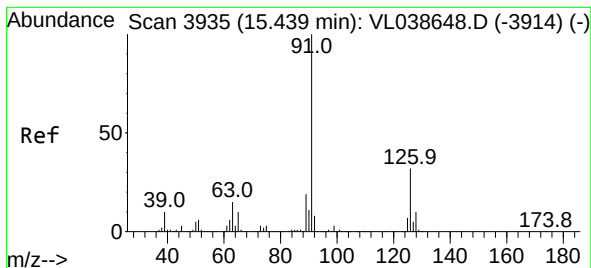
Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

Tgt Ion: 91 Resp: 362881

Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.9	65.9
134	22.6	18.7	28.1





#71

2-Chlorotoluene

Concen: 1.022 ppbv

RT: 15.442 min Scan# 3935

Delta R.T. 0.003 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 250800

Ion Ratio Lower Upper

91 100

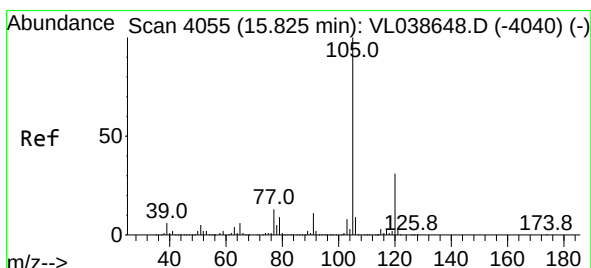
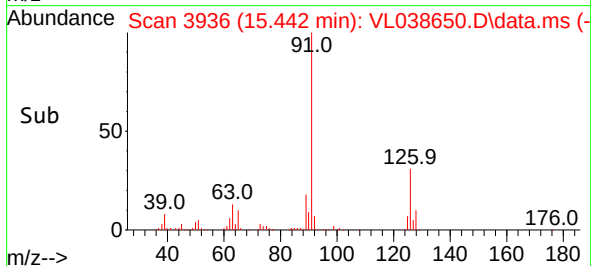
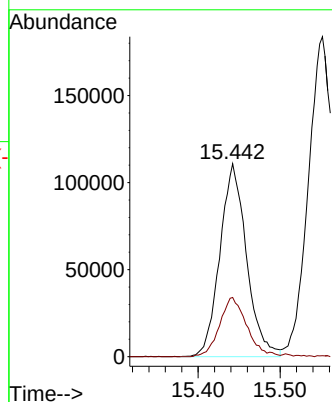
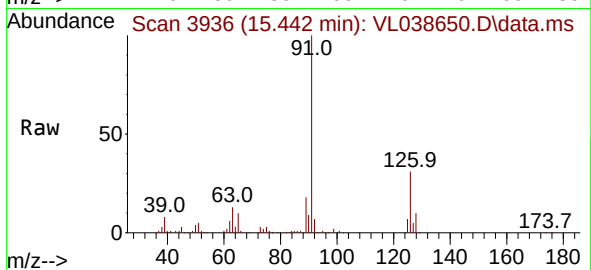
126 31.8 13.1 52.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#72

4-Ethyltoluene

Concen: 0.939 ppbv

RT: 15.828 min Scan# 4056

Delta R.T. 0.003 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

Tgt Ion:105 Resp: 258227

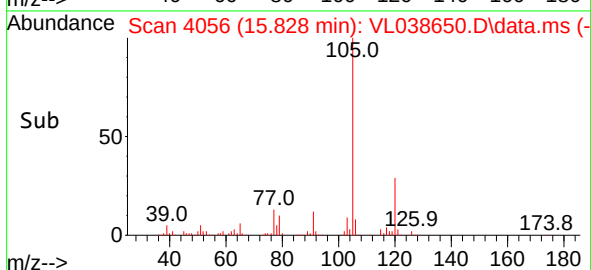
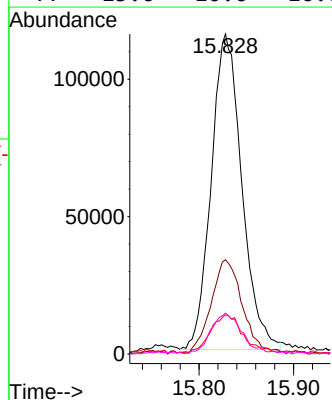
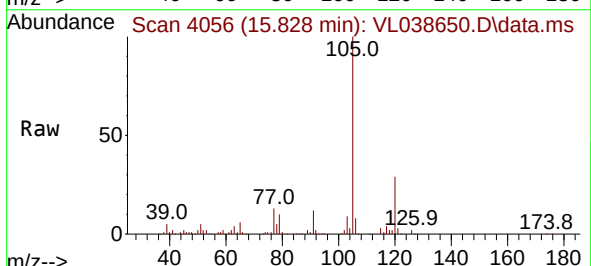
Ion Ratio Lower Upper

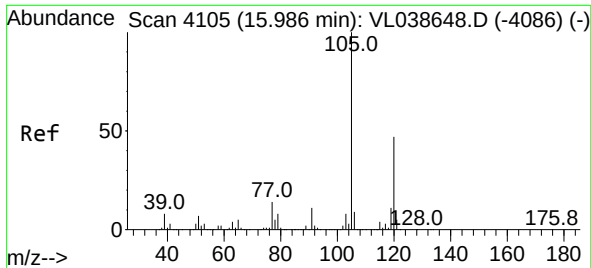
105 100

120 31.5 24.9 37.3

91 14.0 9.8 14.6

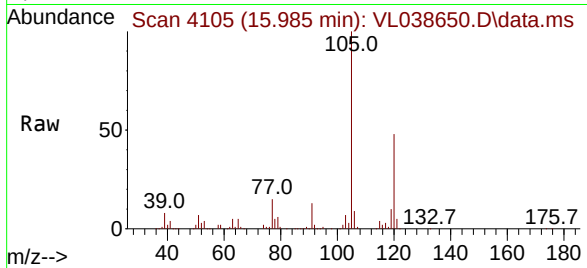
77 13.6 10.6 16.0





#73
 1,3,5-Trimethylbenzene
 Concen: 0.917 ppbv
 RT: 15.985 min Scan# 4105
 Delta R.T. -0.000 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

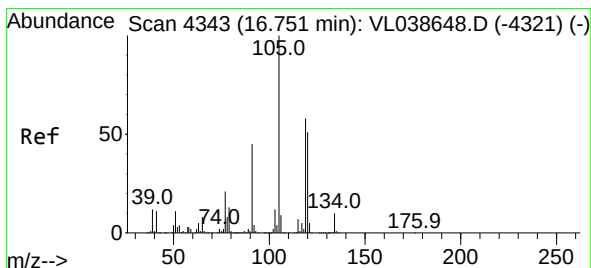
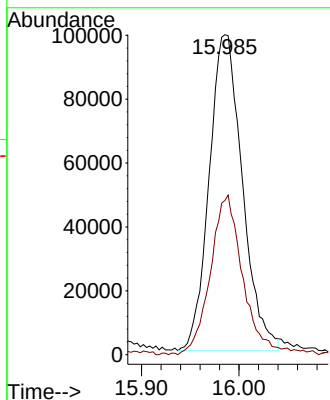
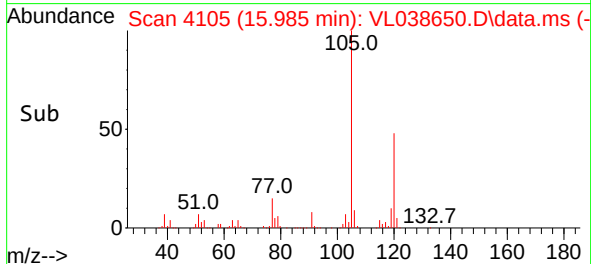
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



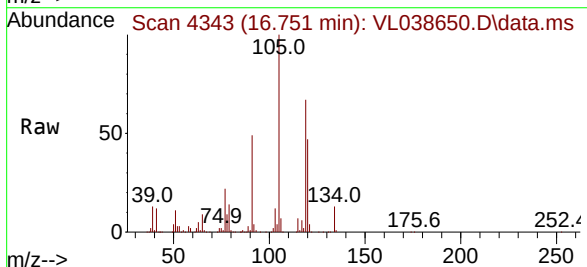
Tgt Ion:105 Resp: 234120
 Ion Ratio Lower Upper
 105 100
 120 49.0 37.6 56.4

Manual Integrations
 APPROVED

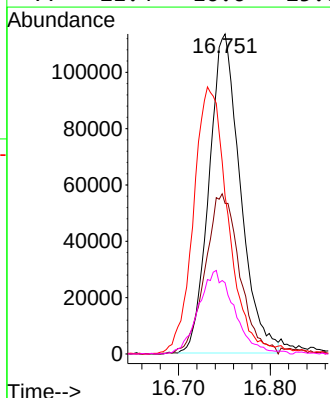
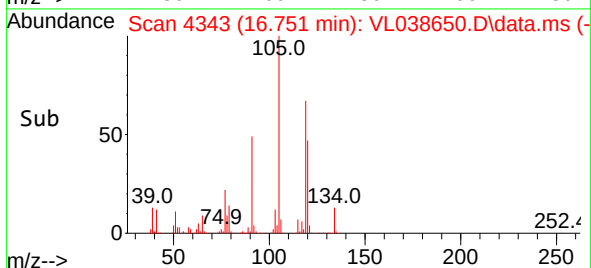
Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022

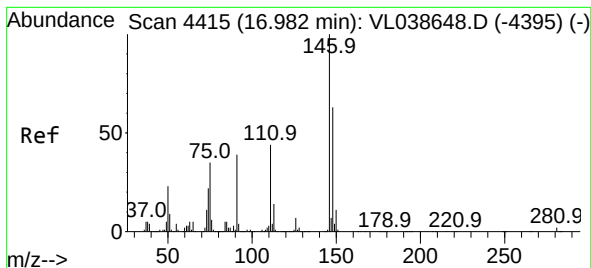


#74
 1,2,4-Trimethylbenzene
 Concen: 0.983 ppbv
 RT: 16.751 min Scan# 4343
 Delta R.T. -0.000 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54



Tgt Ion:105 Resp: 268193
 Ion Ratio Lower Upper
 105 100
 120 47.2 40.5 60.7
 91 47.0 35.9 53.9
 77 21.4 16.6 25.0





#75

1,3-Dichlorobenzene

Concen: 0.992 ppbv m

RT: 16.985 min Scan# 4415

Delta R.T. 0.003 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

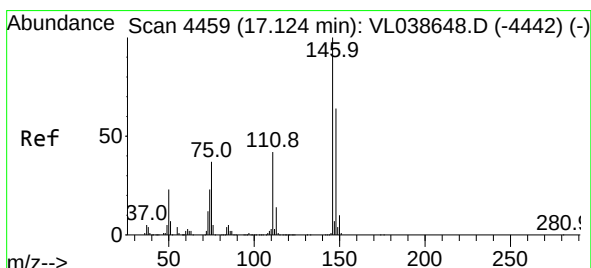
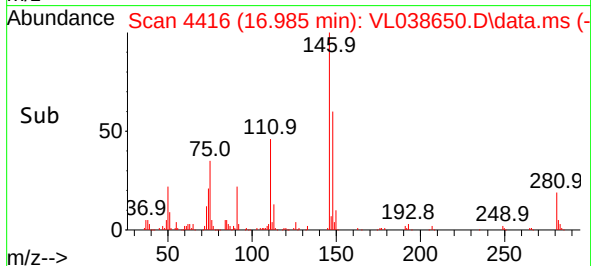
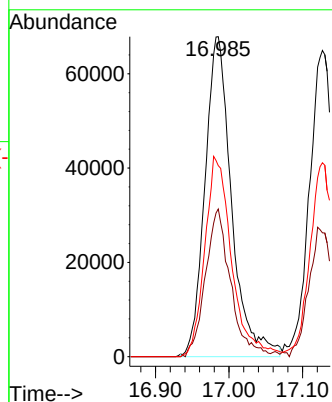
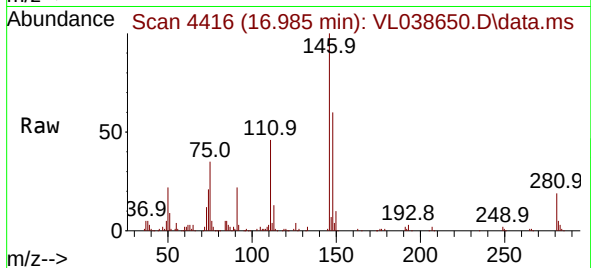
Tgt Ion:146 Resp: 170740

Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.2	66.6
148	63.0	32.5	97.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#76

1,4-Dichlorobenzene

Concen: 0.980 ppbv m

RT: 17.127 min Scan# 4460

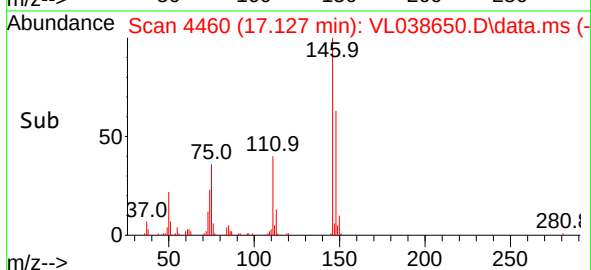
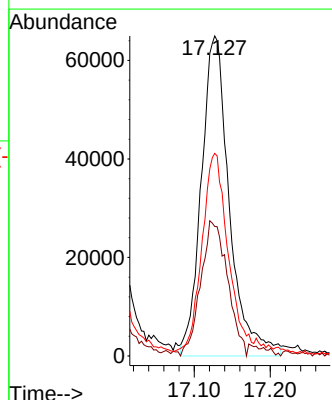
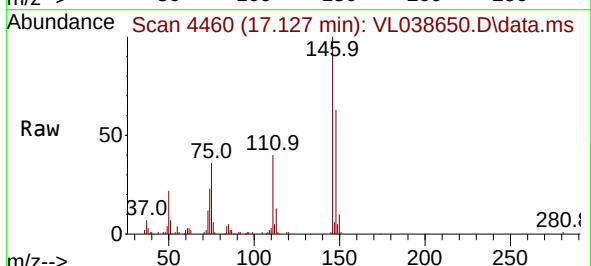
Delta R.T. 0.003 min

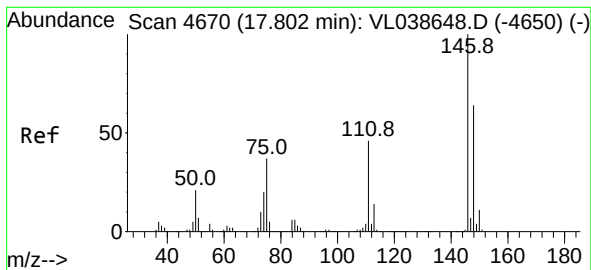
Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

Tgt Ion:146 Resp: 167146

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.4	64.2
148	62.1	32.1	96.3





#77

1,2-Dichlorobenzene

Concen: 0.975 ppbv

RT: 17.805 min Scan# 4670

Delta R.T. 0.003 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:146 Resp: 169750

Ion Ratio Lower Upper

146 100

111 46.3 22.8 68.4

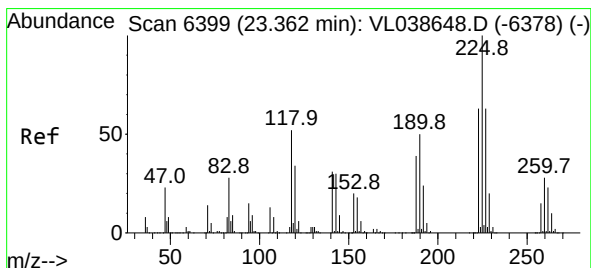
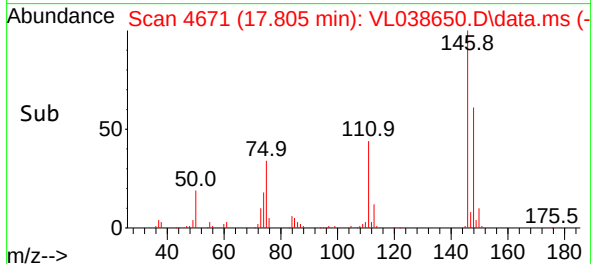
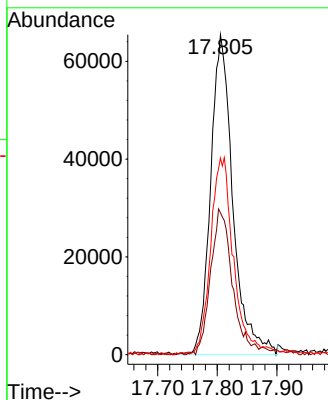
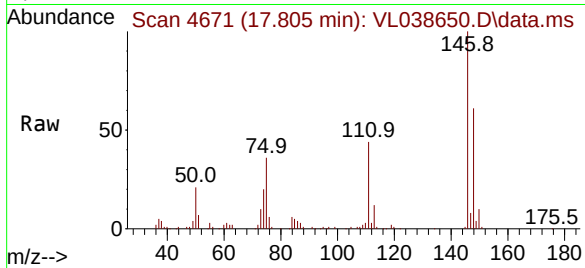
148 64.3 32.5 97.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#78

Hexachloro-1,3-Butadiene

Concen: 0.987 ppbv

RT: 23.361 min Scan# 6399

Delta R.T. -0.000 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

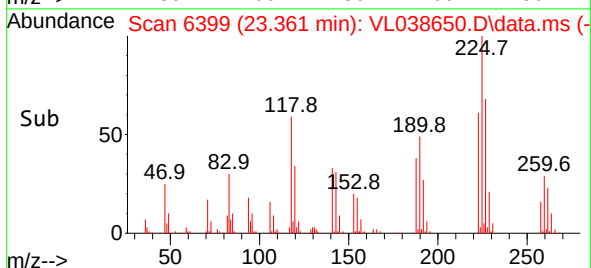
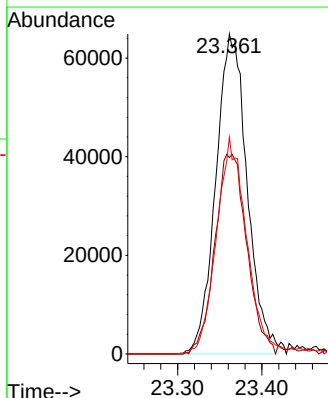
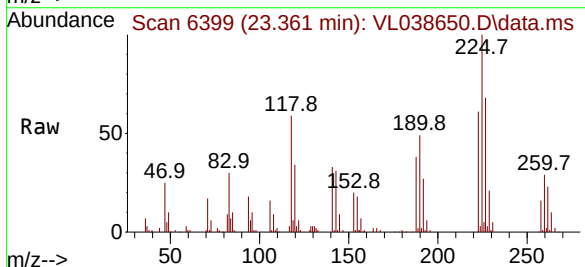
Tgt Ion:225 Resp: 167638

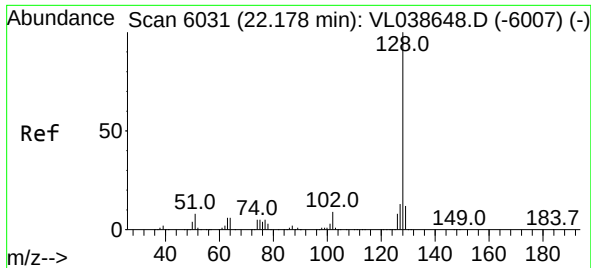
Ion Ratio Lower Upper

225 100

223 65.1 51.0 76.6

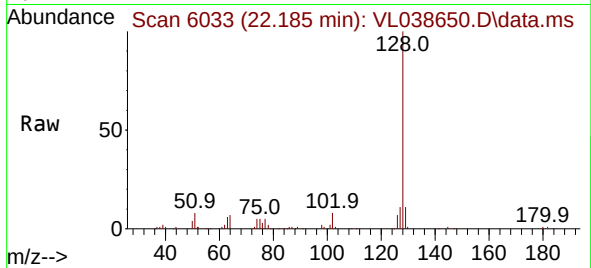
227 66.6 51.5 77.3





#79
Naphthalene
Concen: 0.814 ppbv
RT: 22.185 min Scan# 6031
Delta R.T. 0.006 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

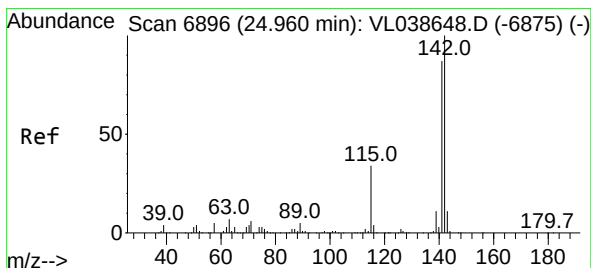
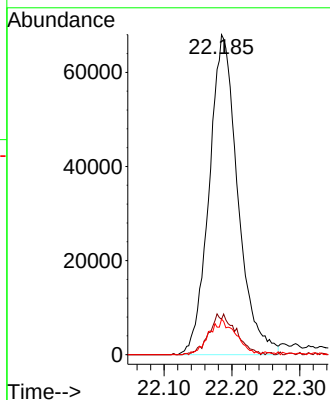
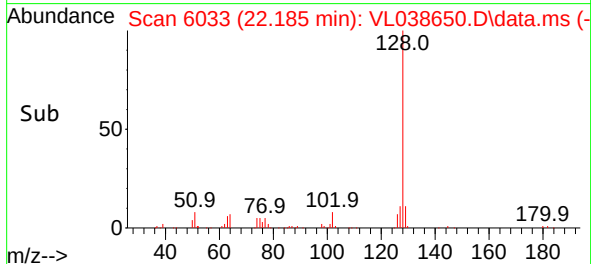
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



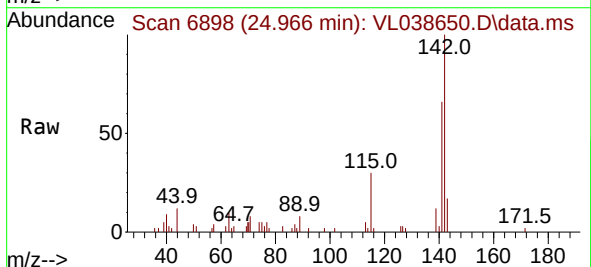
Tgt Ion:128 Resp: 19967
Ion Ratio Lower Upper
128 100
127 11.1 10.2 15.4
129 12.1 9.2 13.8

Manual Integrations
APPROVED

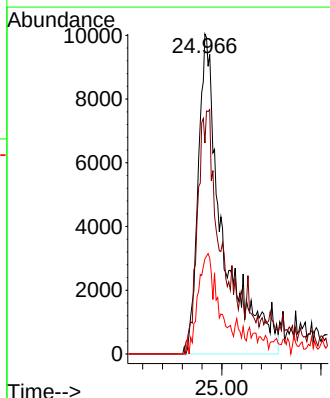
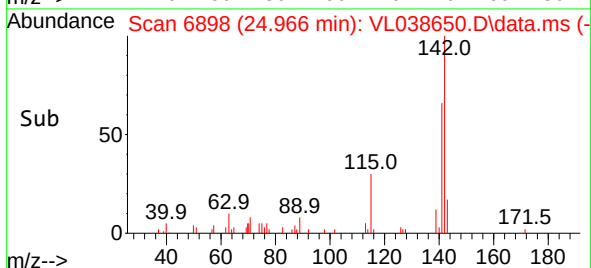
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

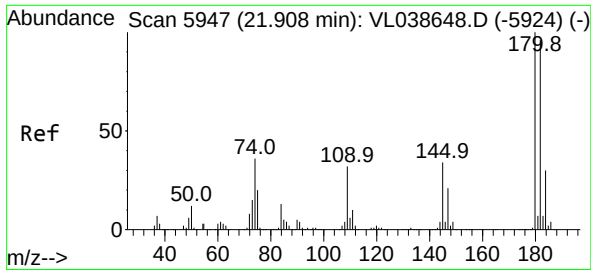


#80
Naphthalene,2-methyl-
Concen: 0.801 ppbv
RT: 24.966 min Scan# 6898
Delta R.T. 0.006 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54



Tgt Ion:142 Resp: 34684
Ion Ratio Lower Upper
142 100
141 78.7 66.4 99.6
115 28.9 27.8 41.6





#81

1,2,4-Trichlorobenzene

Concen: 0.842 ppbv m

RT: 21.918 min Scan# 5950

Delta R.T. 0.009 min

Lab File: VL038650.D

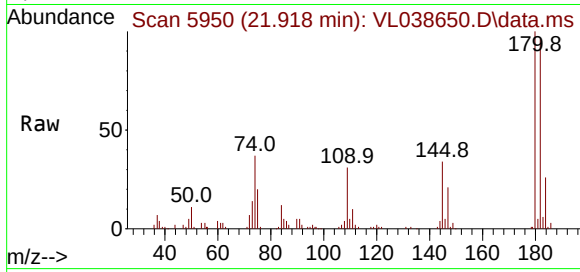
Acq: 21 Mar 2022 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



Tgt Ion:180 Resp: 132110

Ion Ratio Lower Upper

180 100

182 95.8 79.2 118.8

184 31.8 24.8 37.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022

