

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021523\
 Data File : VL040177.D
 Acq On : 15 Feb 2023 15:48
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/16/2023
 Supervised By : Mahesh Dadoda 02/18/2023

Quant Time: Feb 15 16:24:54 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Feb 15 14:52:25 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	941750	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.655	114	2396738	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2169923	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 1813682 10.189 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	95922	0.541	ppbv	92
3) Chlorodifluoromethane	2.661	51	61013	0.542	ppbv	99
4) Chloromethane	2.806	50	39517	0.574	ppbv	91
5) Vinyl Chloride	2.909	62	30244	0.529	ppbv	99
6) Bromomethane	3.108	94	10633	0.518	ppbv	92
7) Chloroethane	3.189	64	12097	0.549	ppbv #	77
8) Dichlorotetrafluoroethane	2.848	85	84679	0.566	ppbv	98
9) Propene	2.684	41	22657	0.484	ppbv	98
10) Heptane	7.581	43	48656m	0.440	ppbv	
11) Trichlorofluoromethane	3.555	101	89410	0.581	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.060	101	62268	0.542	ppbv	98
13) Ethanol	3.240	45	2651m	0.614	ppbv	
14) Bromoethene	3.359	108	23674	0.531	ppbv #	97
15) Acetone	3.475	43	63708	0.562	ppbv	99
16) 1,3-Butadiene	2.976	39	25440	0.486	ppbv	95
17) tert-Butyl alcohol	3.886	59	56805	0.539	ppbv	96
18) 1,1-Dichloroethene	3.873	96	26065	0.513	ppbv	88
19) Isopropyl Alcohol	3.587	45	32121m	0.593	ppbv	
20) Methylene Chloride	3.928	84	36958	0.621	ppbv	95
21) Allyl Chloride	3.992	41	32300	0.461	ppbv	87
22) trans-1,2-Dichloroethene	4.446	96	26856	0.519	ppbv #	76
23) Vinyl Acetate	4.632	43	16649m	0.482	ppbv	
24) 1,1-Dichloroethane	4.561	63	54867	0.513	ppbv	98
25) Ethyl Acetate	5.211	43	102296	0.478	ppbv	98
26) Hexane	5.211	57	42963	0.466	ppbv	89
27) Carbon Disulfide	4.121	76	54027	0.476	ppbv	94
28) Methyl tert-Butyl Ether	4.594	73	49511	0.511	ppbv	98
29) Chloroform	5.272	83	81285	0.522	ppbv	96
30) Cyclohexane	6.606	84	29047	0.387	ppbv #	91
31) cis-1,2-Dichloroethene	5.076	61	40618	0.463	ppbv	90
32) 1,1,1-Trichloroethane	6.002	97	77173	0.540	ppbv	98
34) 2-Butanone	4.796	43	58184	0.494	ppbv	99
35) Carbon Tetrachloride	6.494	117	71535	0.511	ppbv	98
36) Benzene	6.375	78	88285	0.468	ppbv	96
37) 1,2-Dichloroethane	5.809	62	59672	0.518	ppbv	100
38) Trichloroethene	7.294	130	50702	0.507	ppbv	90
39) 1,2-Dichloropropane	7.079	63	36793m	0.508	ppbv	
40) 1,4-Dioxane	7.320	88	15322	0.531	ppbv	85
41) Tetrahydrofuran	5.581	42	29094	0.407	ppbv	99
42) Bromodichloromethane	7.253	83	78492	0.495	ppbv	97
43) Methyl Methacrylate	7.487	69	28567	0.408	ppbv	95
44) 2,2,4-Trimethylpentane	7.327	57	150384m	0.484	ppbv	
45) t-1,3-Dichloropropene	8.716	75	23266m	0.378	ppbv	

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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Feb 15 14:52:25 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	32650m	0.379	ppbv	
47) 1,1,2-Trichloroethane	8.905	97	38986	0.496	ppbv	95
48) Dibromochloromethane	9.716	129	54549	0.437	ppbv	99
49) Bromoform	12.410	173	41865m	0.434	ppbv	
50) 4-Methyl-2-Pentanone	8.204	43	78558	0.421	ppbv	98
51) 2-Hexanone	9.581	43	59594m	0.420	ppbv	
52) Tetrachloroethene	10.626	164	28818m	0.490	ppbv	
53) Toluene	9.227	91	80911m	0.397	ppbv	
54) 1,2-Dibromoethane	10.015	107	37801m	0.470	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.516	131	46334	0.512	ppbv #	1
57) Chlorobenzene	11.535	112	80791	0.507	ppbv	99
58) Ethyl Benzene	12.098	91	112518	0.421	ppbv	95
59) m/p-Xylene	12.381	91	216500m	0.926	ppbv	
60) o-Xylene	13.072	91	102558m	0.455	ppbv	
61) Styrene	12.908	104	42342	0.353	ppbv	96
62) Isopropylbenzene	14.043	105	149976	0.462	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.056	83	42217m	0.530	ppbv	
64) n-propylbenzene	14.934	120	36230m	0.464	ppbv	
65) tert-Butylbenzene	16.104	119	126032	0.447	ppbv	89
66) Benzyl Chloride	16.336	91	8944m	0.492	ppbv	
67) sec-Butylbenzene	16.648	105	187737	0.464	ppbv	98
69) p-Isopropyltoluene	17.011	119	142786	0.446	ppbv	95
70) n-Butylbenzene	17.905	91	155968	0.449	ppbv	97
71) 2-Chlorotoluene	14.815	91	111719	0.450	ppbv	97
72) 4-Ethyltoluene	15.207	105	105170	0.419	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.368	105	106586m	0.464	ppbv	
74) 1,2,4-Trimethylbenzene	16.120	105	121928	0.482	ppbv	96
75) 1,3-Dichlorobenzene	16.339	146	68533m	0.495	ppbv	
76) 1,4-Dichlorobenzene	16.484	146	65836m	0.489	ppbv	
77) 1,2-Dichlorobenzene	17.162	146	69309m	0.505	ppbv	
78) Hexachloro-1,3-Butadiene	22.654	225	50306m	0.529	ppbv	
79) Naphthalene	21.413	128	56688m	0.396	ppbv	
80) Naphthalene,2-methyl-	24.393	142	17692m	0.474	ppbv	
81) 1,2,4-Trichlorobenzene	21.172	180	38138m	0.427	ppbv	

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

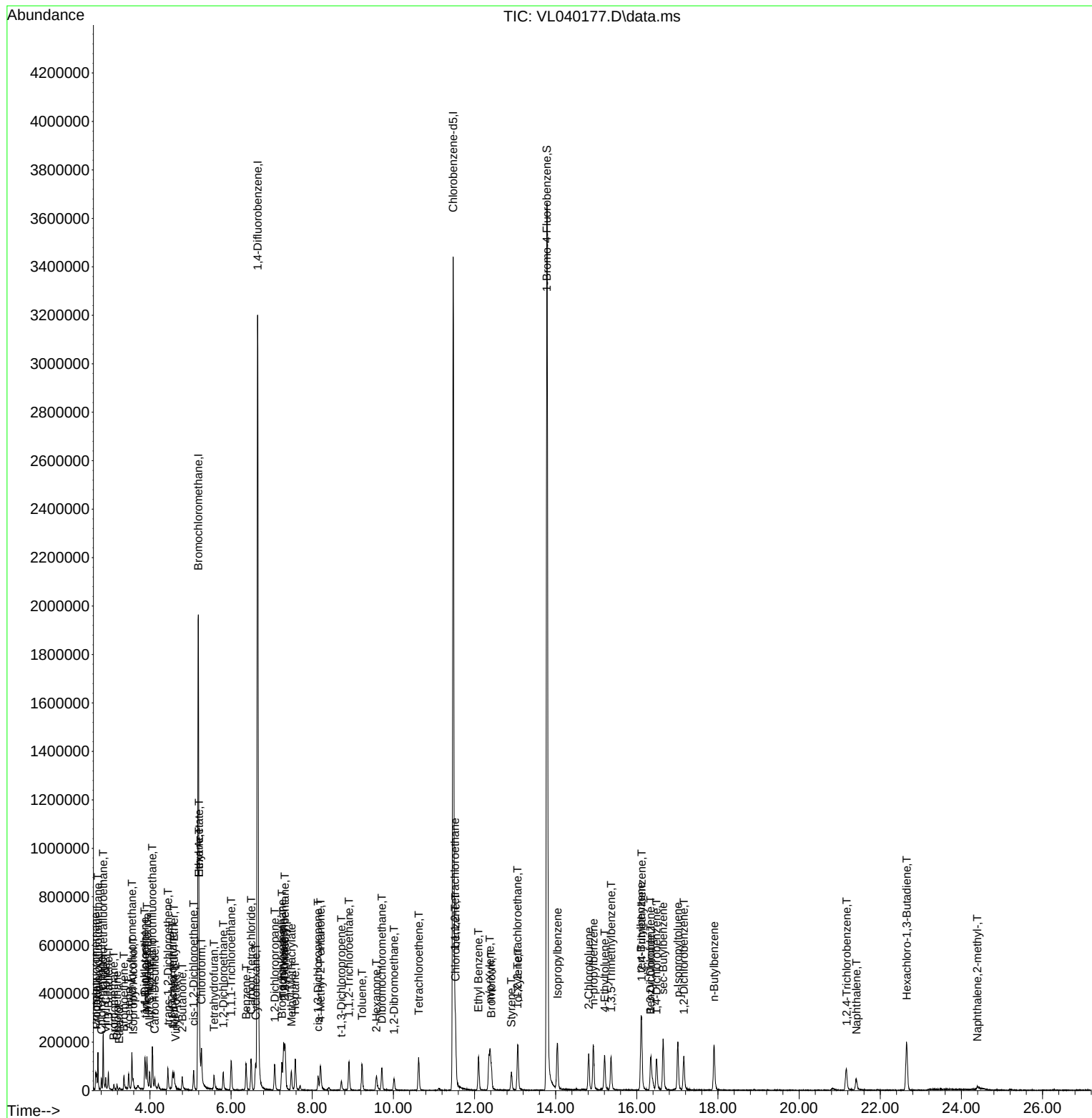
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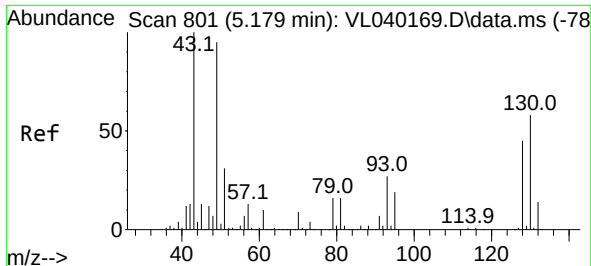
Instrument :
MSVOA_L
ClientSampleId :
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Manual Integrations
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QLast Update : Wed Feb 15 14:52:25 2023
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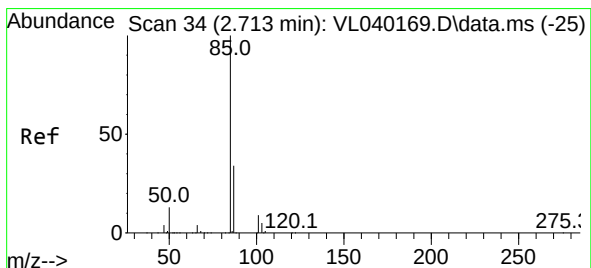
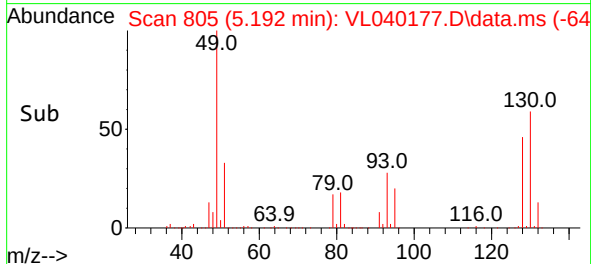
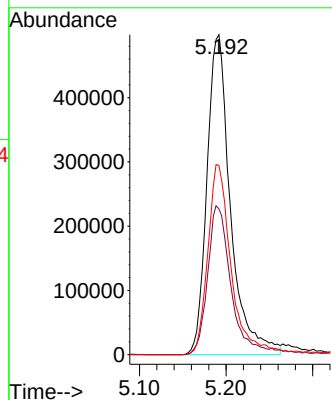
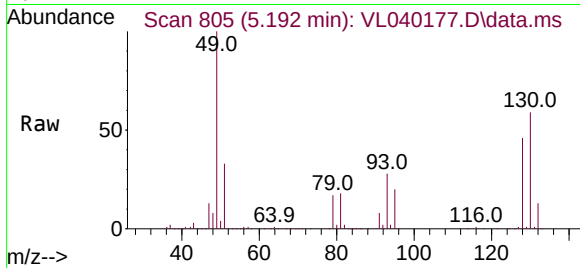
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 49 Resp: 941750
Ion Ratio Lower Upper
49 100
128 47.1 24.1 72.3
130 61.1 30.9 92.8

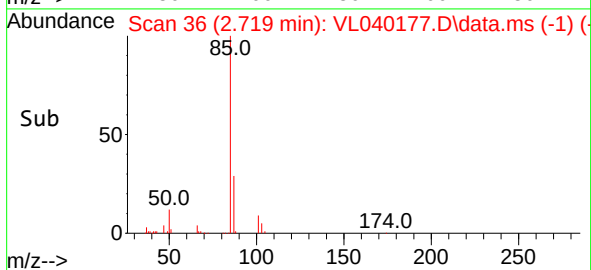
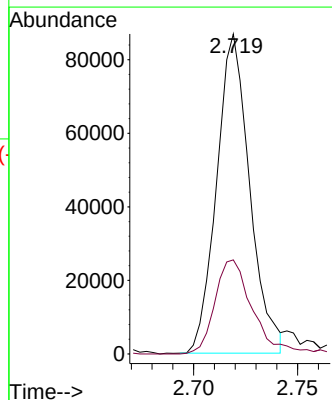
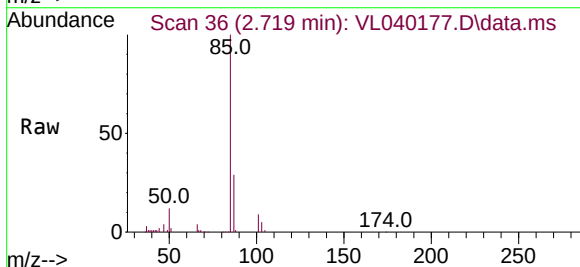
Manual Integrations
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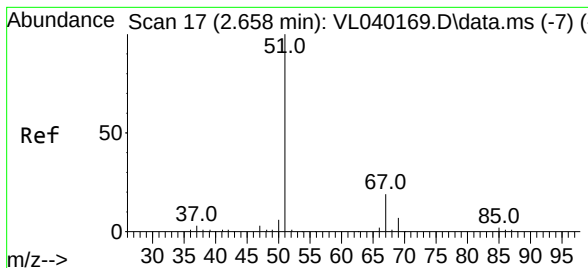
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#2
Dichlorodifluoromethane
Concen: 0.541 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.006 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 85 Resp: 95922
Ion Ratio Lower Upper
85 100
87 29.5 27.0 40.6





#3
Chlorodifluoromethane
Concen: 0.542 ppbv
RT: 2.661 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

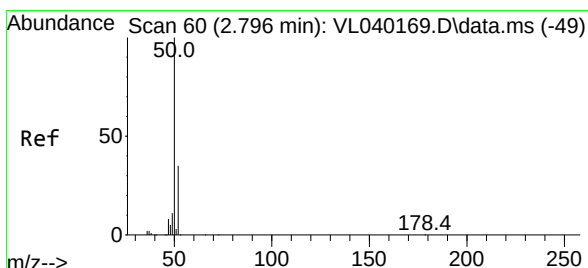
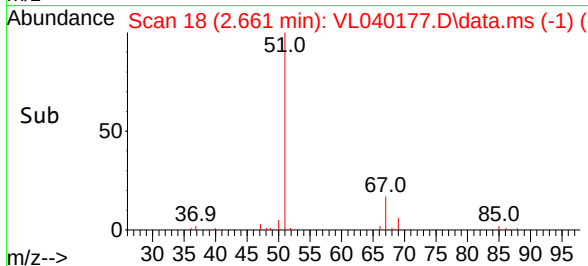
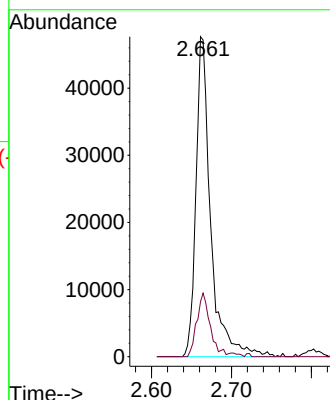
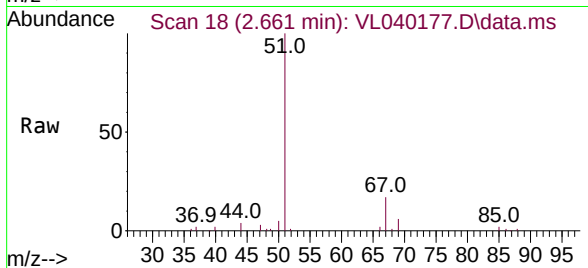
VSTDICC0.5

Tgt Ion: 51 Resp: 6101
Ion Ratio Lower Upper
51 100
67 19.0 15.4 23.2

Manual Integrations

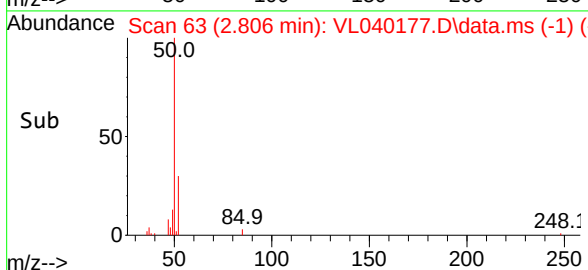
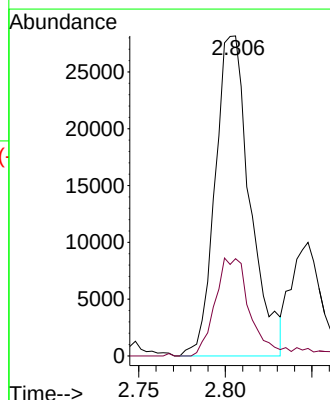
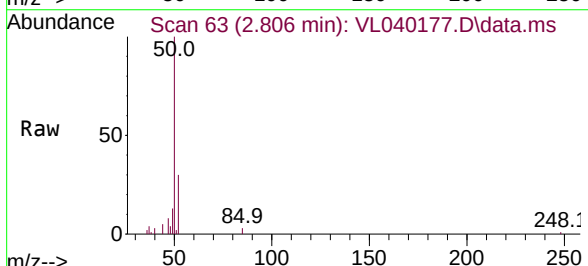
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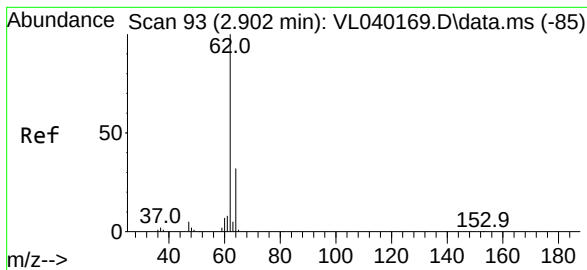
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#4
Chloromethane
Concen: 0.574 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

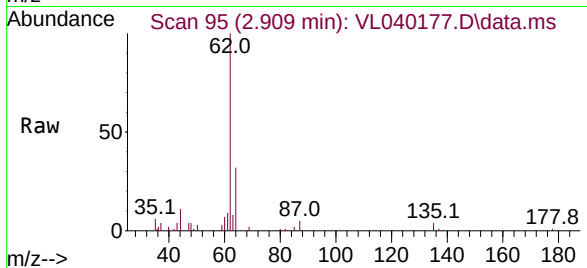
Tgt Ion: 50 Resp: 39517
Ion Ratio Lower Upper
50 100
52 30.4 28.3 42.5





#5
 Vinyl Chloride
 Concen: 0.529 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VL040177.D
 Acq: 15 Feb 2023 15:48

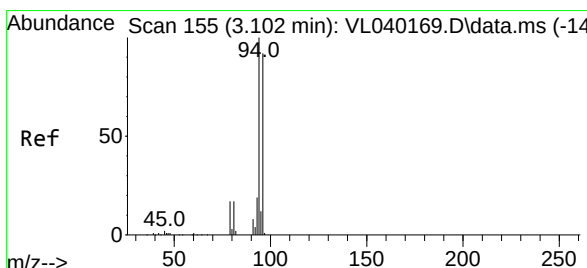
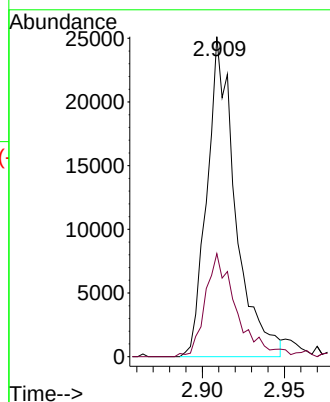
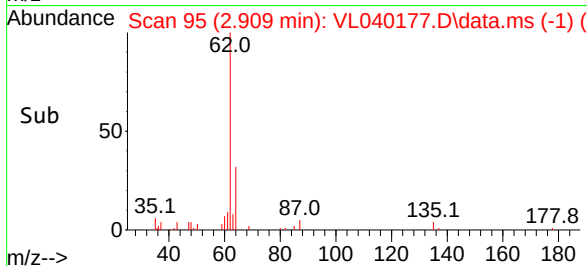
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 62 Resp: 30244
 Ion Ratio Lower Upper
 62 100
 64 31.2 25.6 38.4

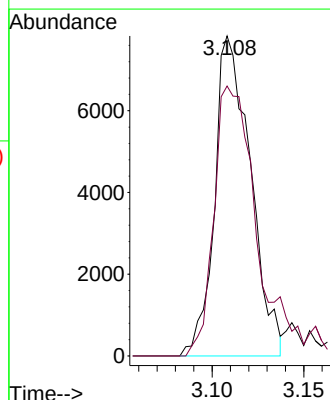
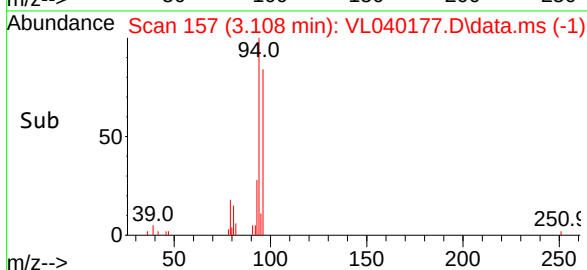
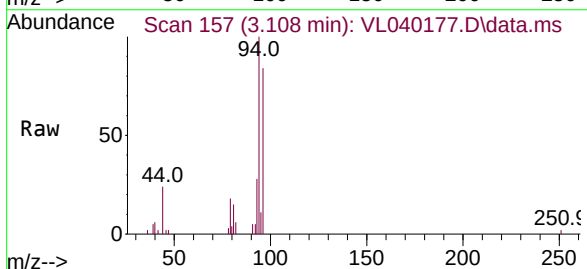
Manual Integrations
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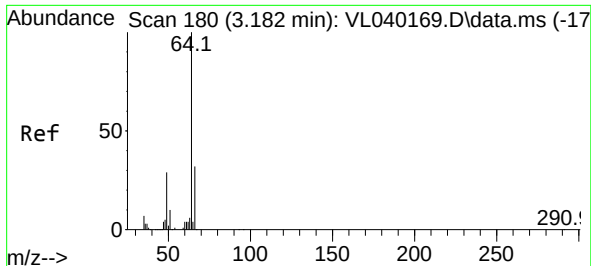
Reviewed By :Semsettin Yesilyurt 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023



#6
 Bromomethane
 Concen: 0.518 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. 0.006 min
 Lab File: VL040177.D
 Acq: 15 Feb 2023 15:48

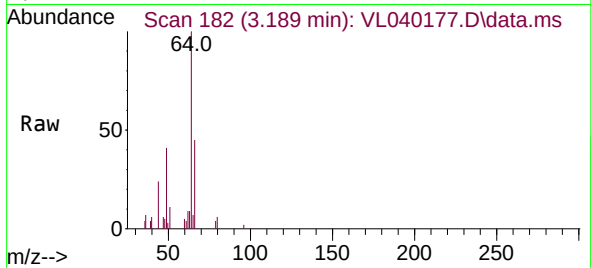
Tgt Ion: 94 Resp: 10633
 Ion Ratio Lower Upper
 94 100
 96 84.4 73.4 110.2





#7
Chloroethane
Concen: 0.549 ppbv
RT: 3.189 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

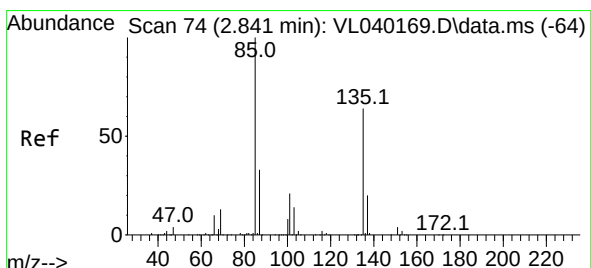
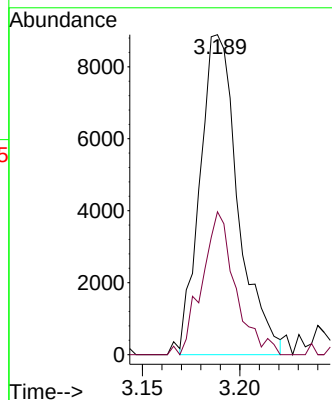
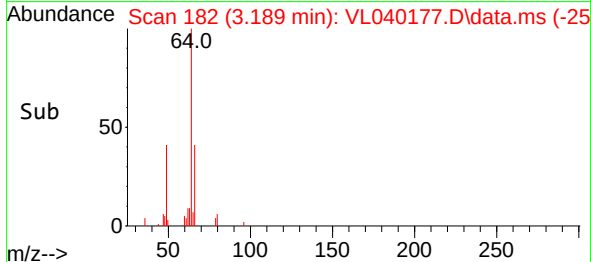
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 64 Resp: 1209
Ion Ratio Lower Upper
64 100
66 44.7 25.4 38.2

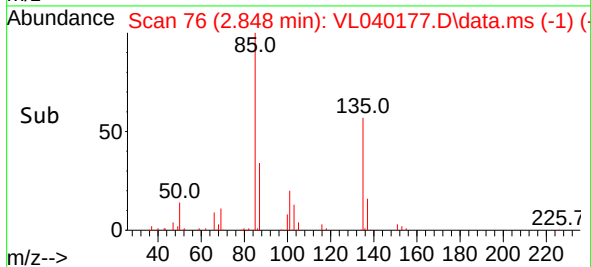
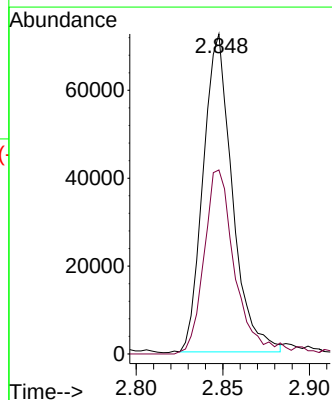
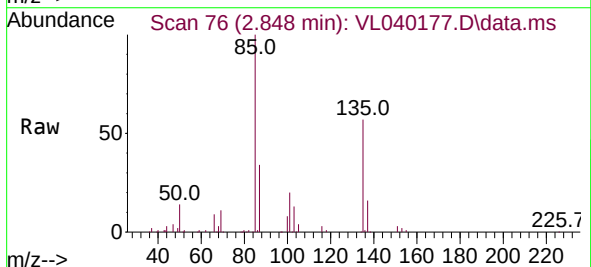
Manual Integrations
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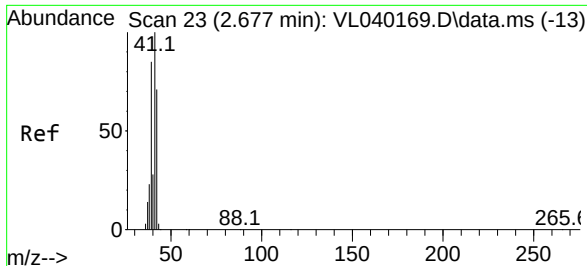
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#8
Dichlorotetrafluoroethane
Concen: 0.566 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.006 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

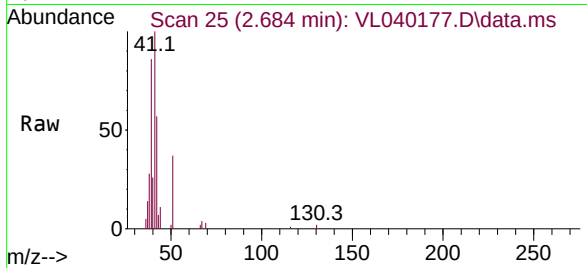
Tgt Ion: 85 Resp: 84679
Ion Ratio Lower Upper
85 100
135 62.6 51.5 77.3





#9
 Propene
 Concen: 0.484 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VL040177.D
 Acq: 15 Feb 2023 15:48

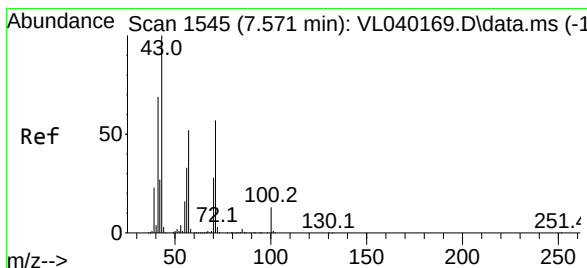
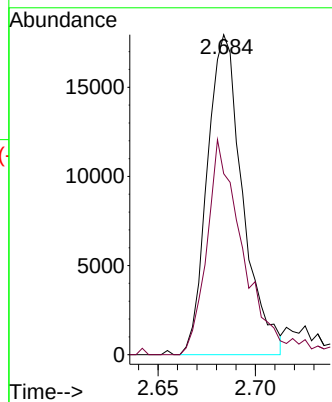
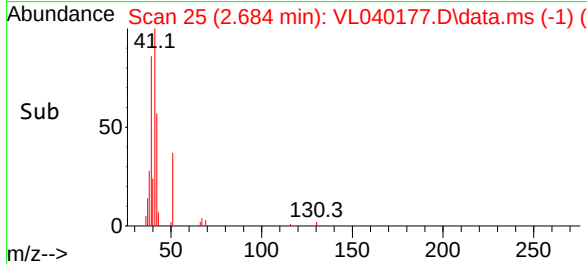
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 41 Resp: 2265
 Ion Ratio Lower Upper
 41 100
 42 72.4 56.9 85.3

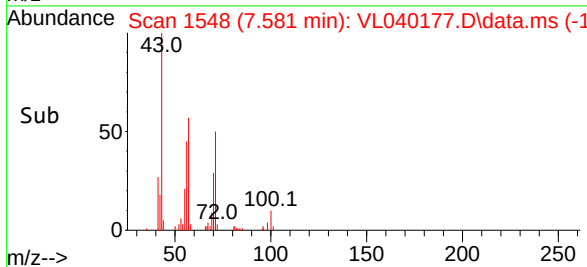
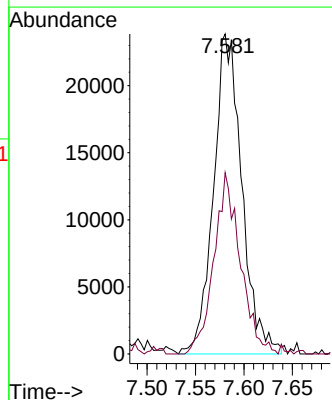
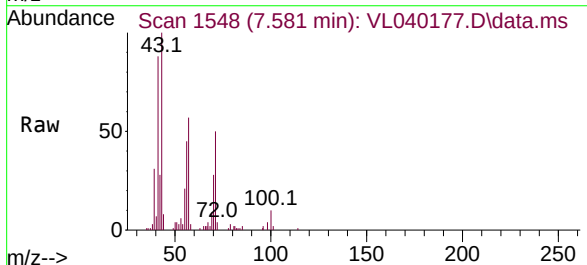
Manual Integrations
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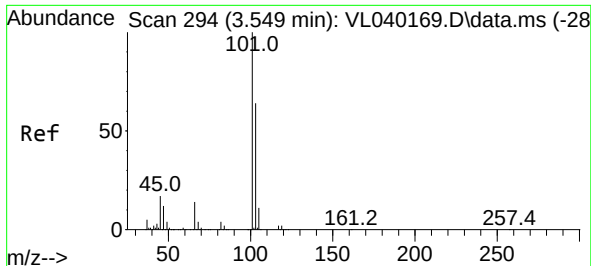
Reviewed By :Semsettin Yesilyurt 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023



#10
 Heptane
 Concen: 0.440 ppbv m
 RT: 7.581 min Scan# 1548
 Delta R.T. 0.010 min
 Lab File: VL040177.D
 Acq: 15 Feb 2023 15:48

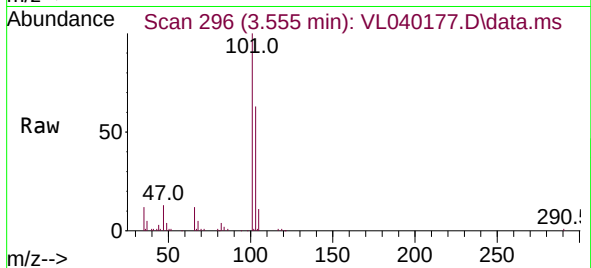
Tgt Ion: 43 Resp: 48656
 Ion Ratio Lower Upper
 43 100
 57 0.0 41.4 62.2#





#11
Trichlorofluoromethane
Concen: 0.581 ppbv
RT: 3.555 min Scan# 294
Delta R.T. 0.006 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

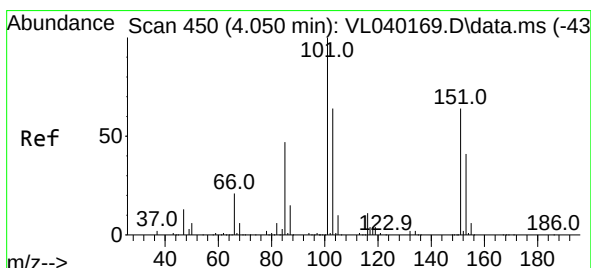
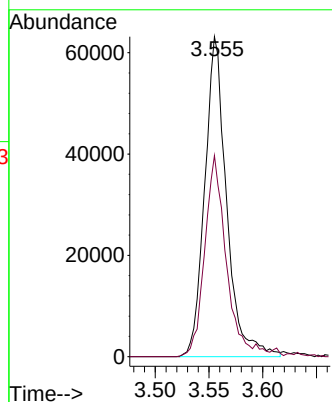
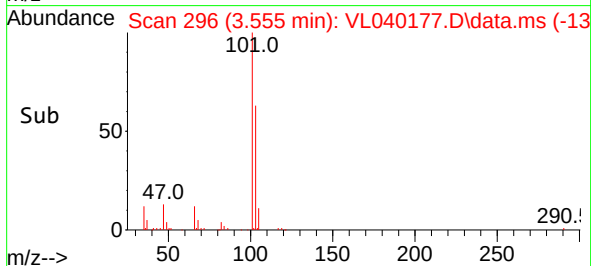
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:101 Resp: 89410
Ion Ratio Lower Upper
101 100
103 62.6 51.0 76.6

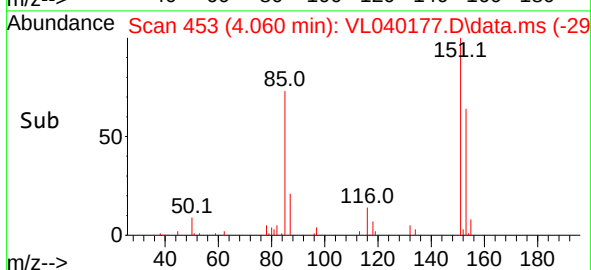
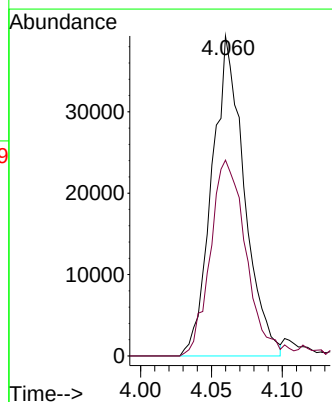
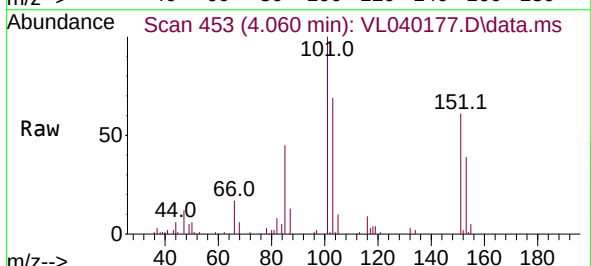
Manual Integrations
APPROVED

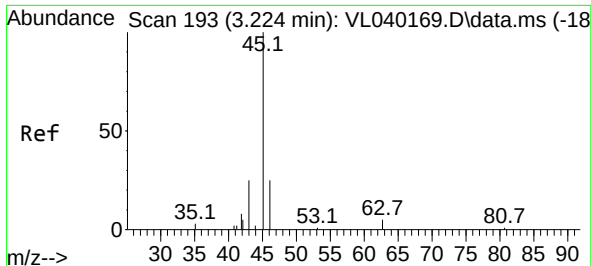
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.542 ppbv
RT: 4.060 min Scan# 453
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

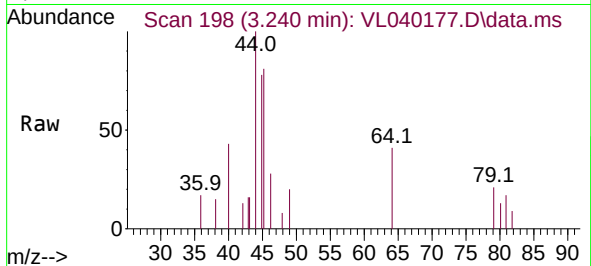
Tgt Ion:101 Resp: 62268
Ion Ratio Lower Upper
101 100
151 70.1 54.7 82.1





#13
Ethanol
Concen: 0.614 ppbv m
RT: 3.240 min Scan# 193
Delta R.T. 0.016 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

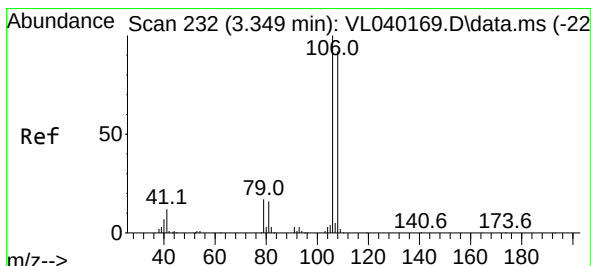
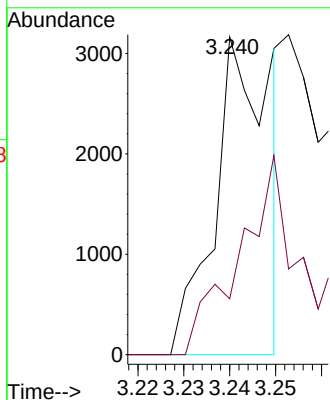
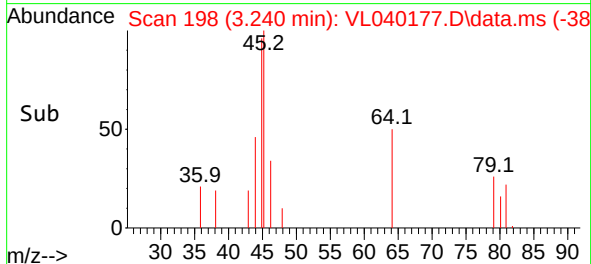
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



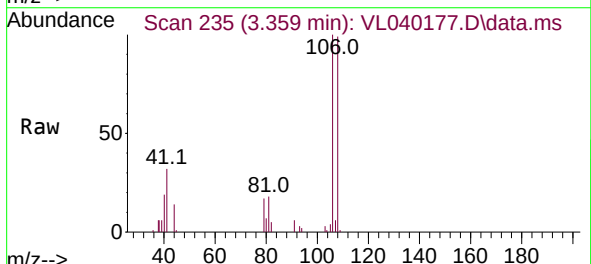
Tgt Ion: 45 Resp: 265
Ion Ratio Lower Upper
45 100
46 0.0 13.3 53.1

Manual Integrations
APPROVED

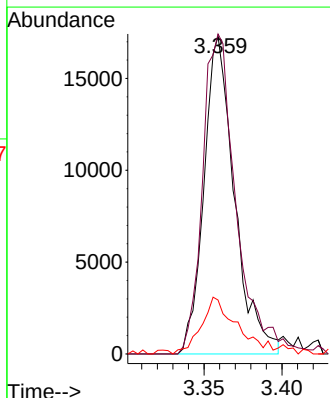
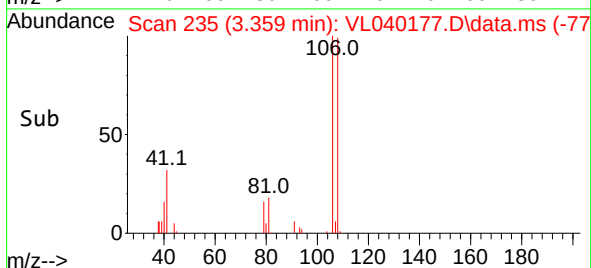
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

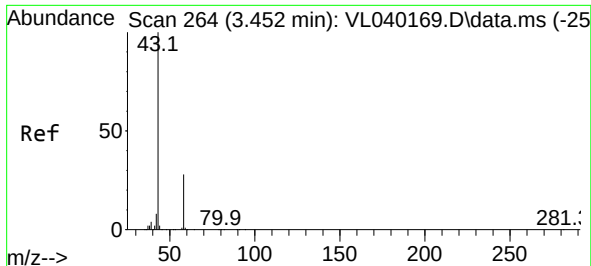


#14
Bromoethene
Concen: 0.531 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48



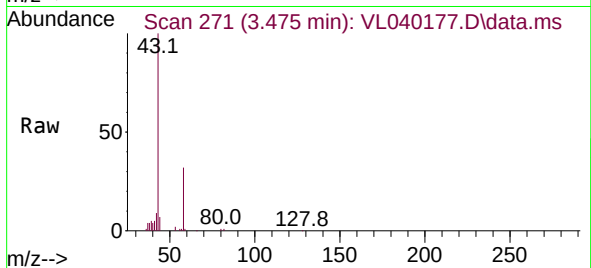
Tgt Ion:108 Resp: 23674
Ion Ratio Lower Upper
108 100
106 110.6 87.1 130.7
79 23.3 15.4 23.2





#15
Acetone
Concen: 0.562 ppbv
RT: 3.475 min Scan# 21
Delta R.T. 0.022 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

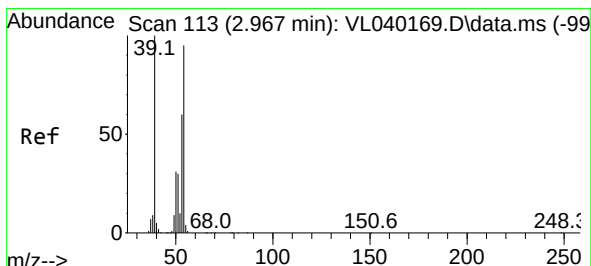
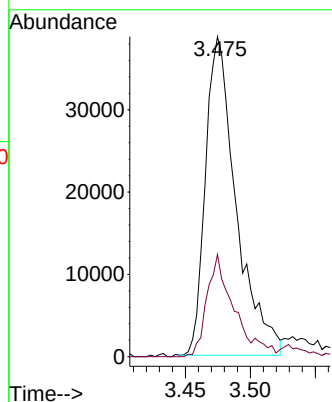
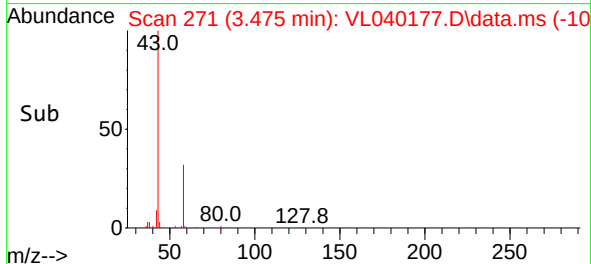
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 43 Resp: 63708
Ion Ratio Lower Upper
43 100
58 28.3 22.4 33.6

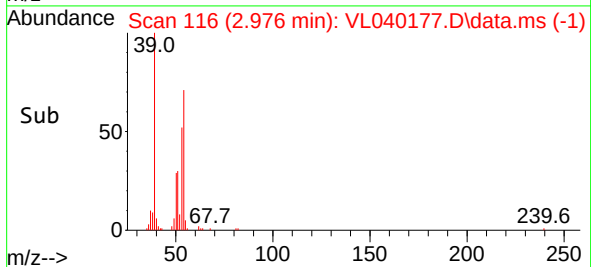
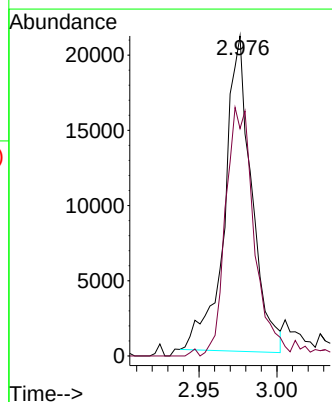
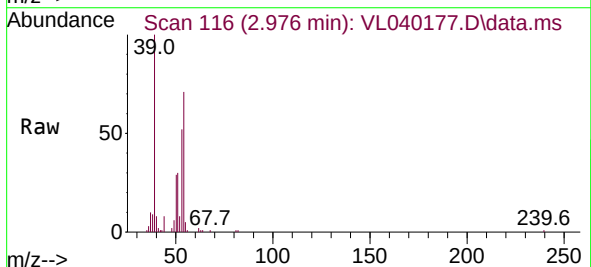
Manual Integrations
APPROVED

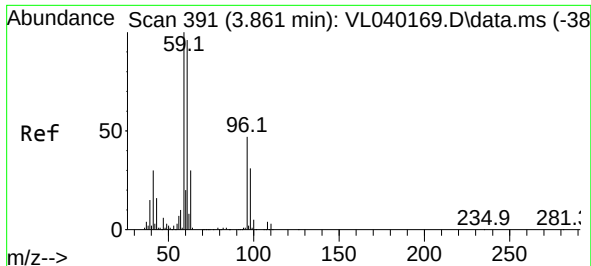
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#16
1,3-Butadiene
Concen: 0.486 ppbv
RT: 2.976 min Scan# 116
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 39 Resp: 25440
Ion Ratio Lower Upper
39 100
54 87.7 66.7 100.1





#17

tert-Butyl alcohol

Concen: 0.539 ppbv

RT: 3.886 min Scan# 391

Delta R.T. 0.026 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 59 Resp: 5680

Ion Ratio Lower Upper

59 100

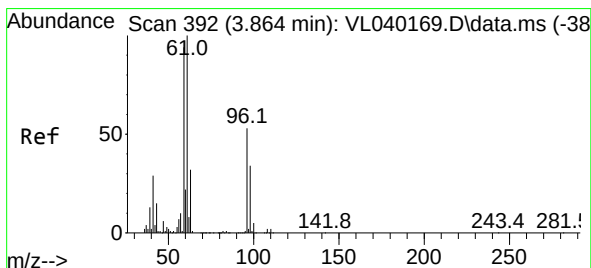
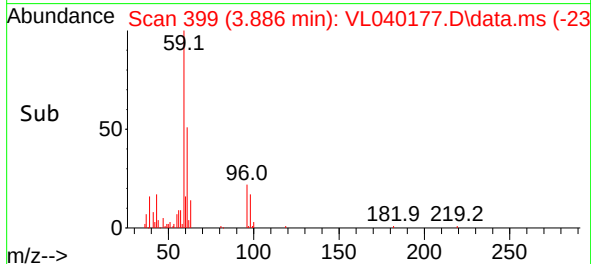
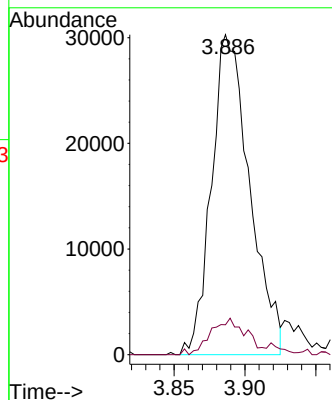
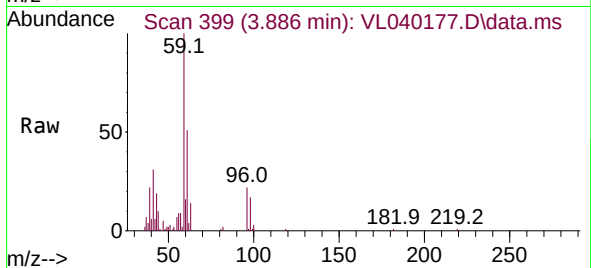
57 12.2 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#18

1,1-Dichloroethene

Concen: 0.513 ppbv

RT: 3.873 min Scan# 395

Delta R.T. 0.010 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

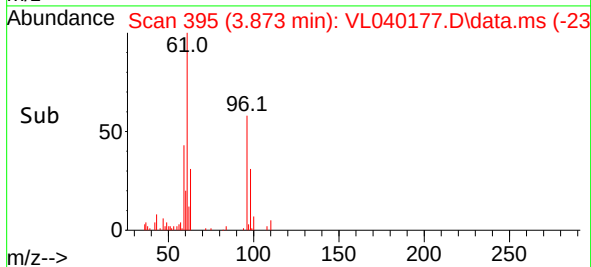
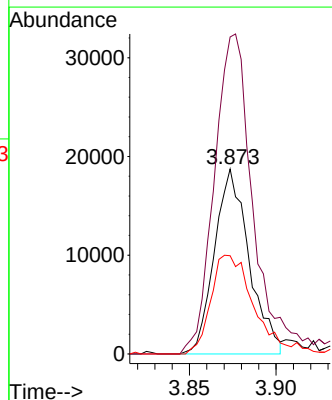
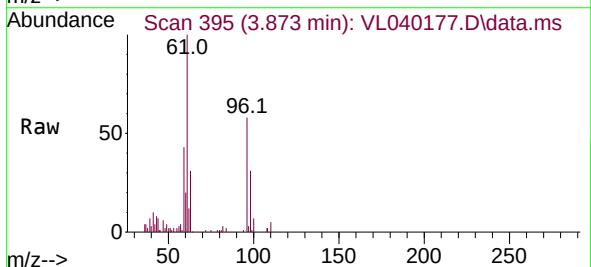
Tgt Ion: 96 Resp: 26065

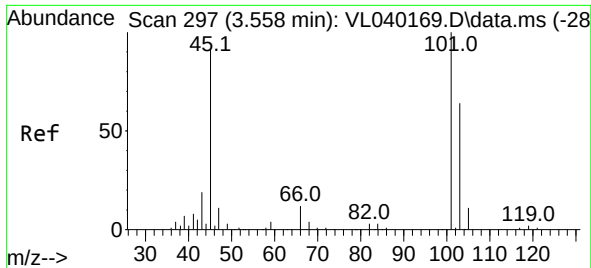
Ion Ratio Lower Upper

96 100

61 171.4 149.6 224.4

98 53.1 51.1 76.7





#19

Isopropyl Alcohol

Concen: 0.593 ppbv

RT: 3.587 min Scan# 306

Delta R.T. 0.029 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 45 Resp: 3212

Ion Ratio Lower Upper

45 100

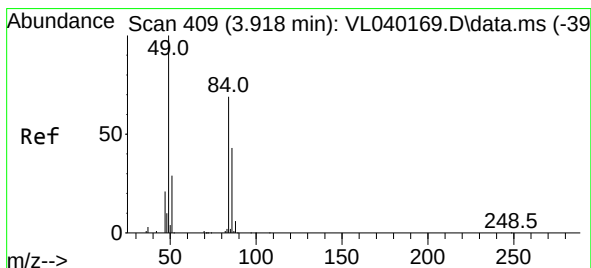
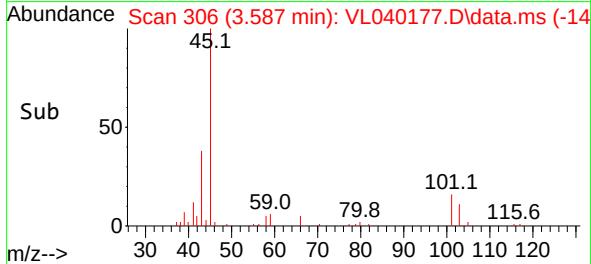
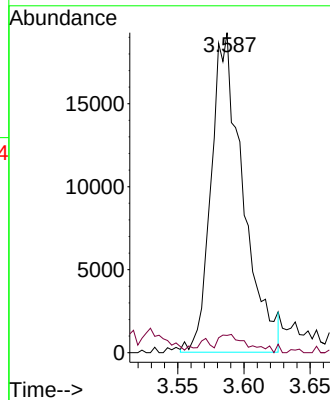
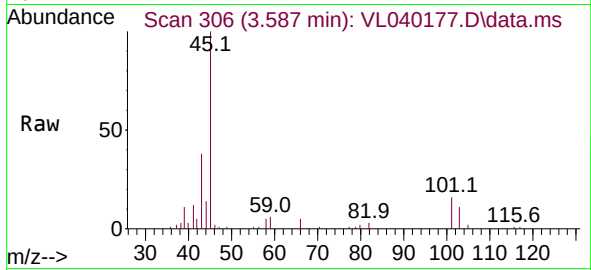
58 7.4 2.6 3.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#20

Methylene Chloride

Concen: 0.621 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.010 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Tgt Ion: 84 Resp: 36958

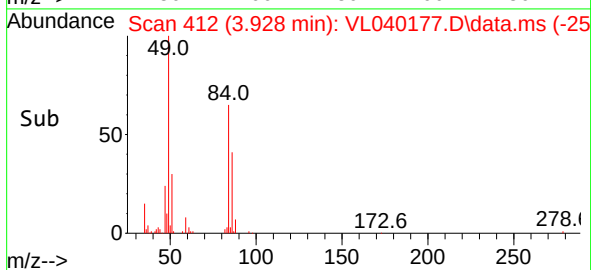
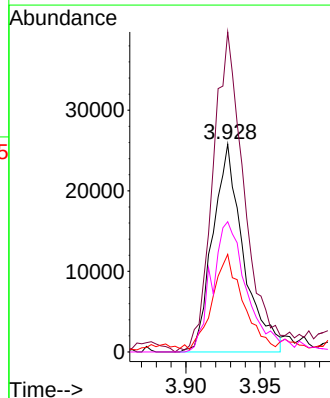
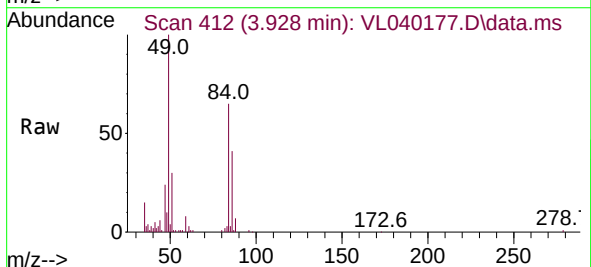
Ion Ratio Lower Upper

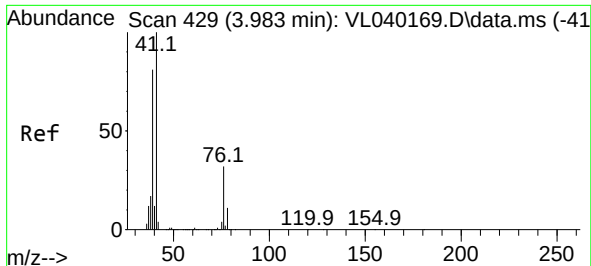
84 100

49 152.2 115.5 173.3

51 45.3 33.1 49.7

86 62.7 50.2 75.2





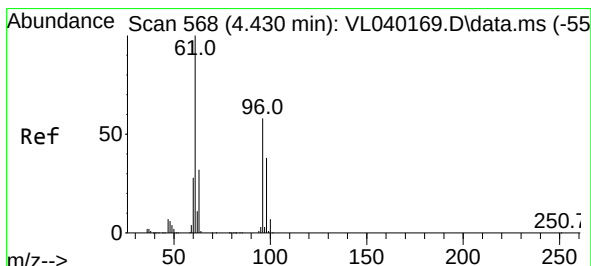
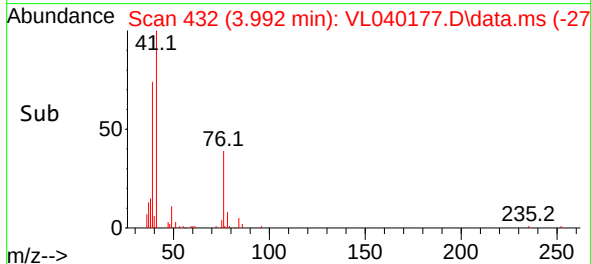
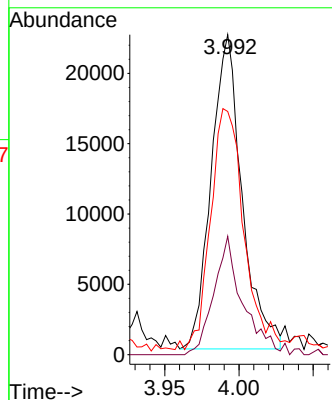
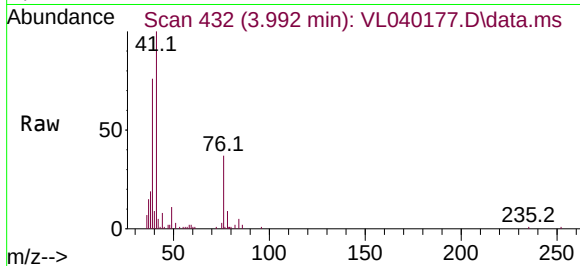
#21
 Allyl Chloride
 Concen: 0.461 ppbv
 RT: 3.992 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL040177.D
 Acq: 15 Feb 2023 15:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 32300
 Ion Ratio Lower Upper
 41 100
 76 36.3 25.5 38.3
 39 94.0 64.5 96.7

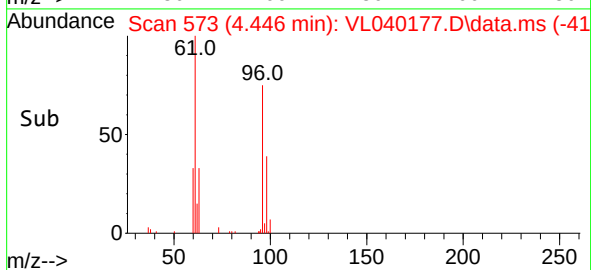
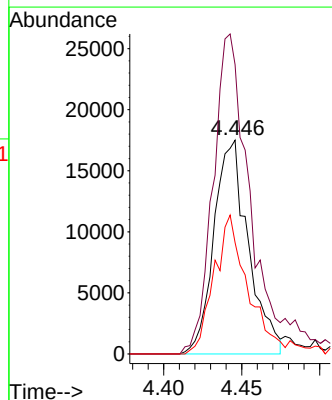
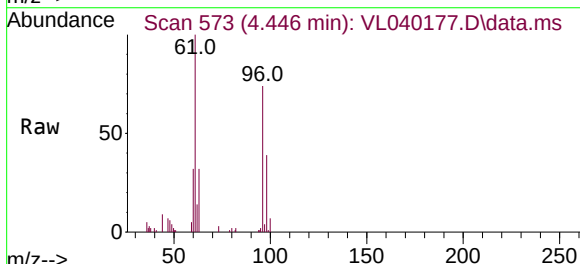
Manual Integrations
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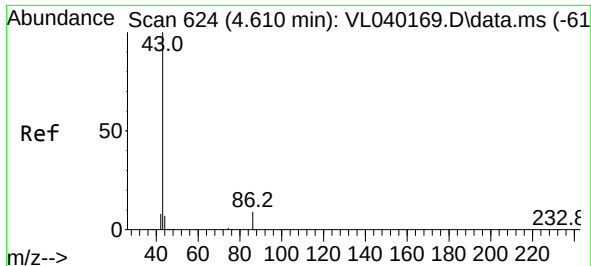
Reviewed By :Semsettin Yesilyurt 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.519 ppbv
 RT: 4.446 min Scan# 573
 Delta R.T. 0.016 min
 Lab File: VL040177.D
 Acq: 15 Feb 2023 15:48

Tgt Ion: 96 Resp: 26856
 Ion Ratio Lower Upper
 96 100
 61 135.3 137.5 206.3#
 98 52.1 52.8 79.2#





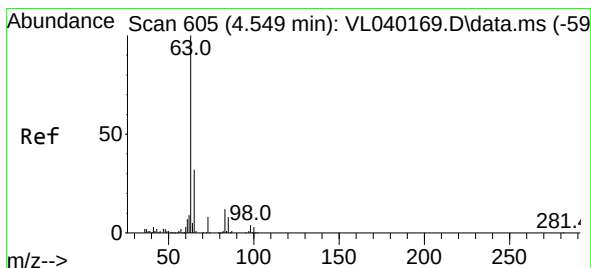
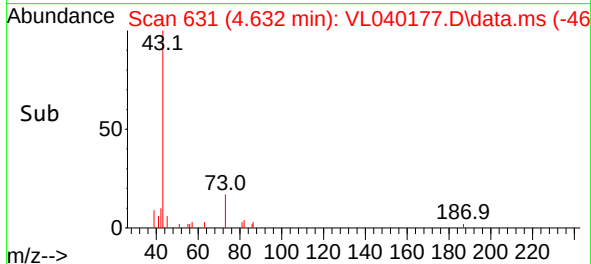
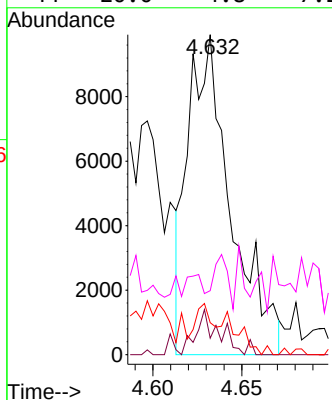
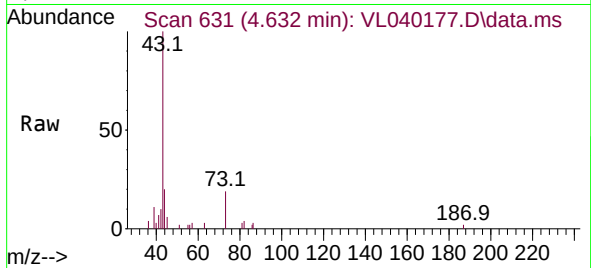
#23
 Vinyl Acetate
 Concen: 0.482 ppbv m
 RT: 4.632 min Scan# 61
 Delta R.T. 0.022 min
 Lab File: VL040177.D
 Acq: 15 Feb 2023 15:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:	43	Resp:	16649
Ion	Ratio	Lower	Upper
43	100		
86	3.3	5.6	8.4
42	10.0	7.6	11.4
44	20.0	4.8	7.2

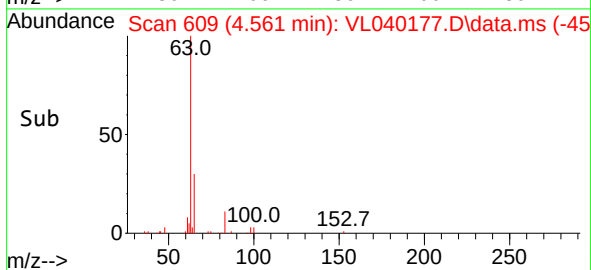
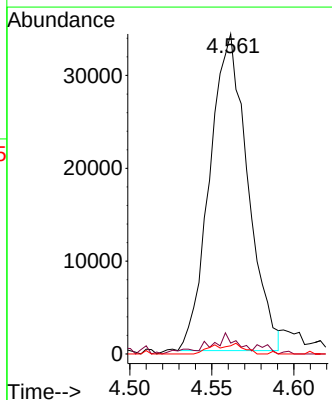
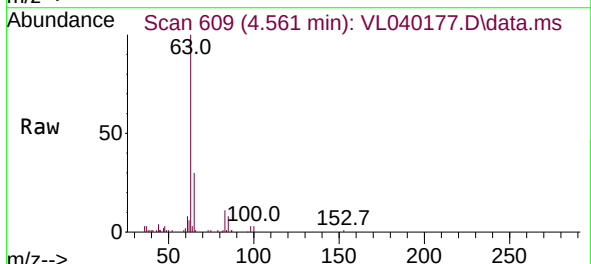
Manual Integrations
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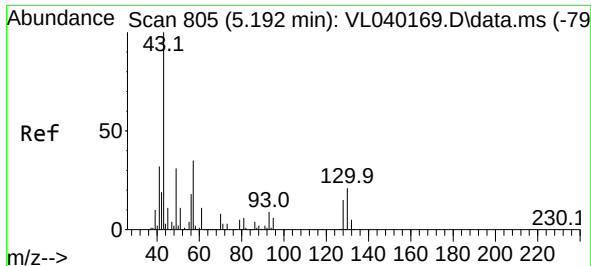
Reviewed By :Semsettin Yesilyurt 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023



#24
 1,1-Dichloroethane
 Concen: 0.513 ppbv
 RT: 4.561 min Scan# 609
 Delta R.T. 0.013 min
 Lab File: VL040177.D
 Acq: 15 Feb 2023 15:48

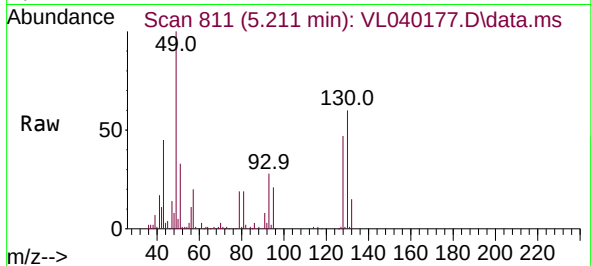
Tgt Ion:	63	Resp:	54867
Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.3	6.8
100	2.6	1.4	4.0





#25
Ethyl Acetate
Concen: 0.478 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.019 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

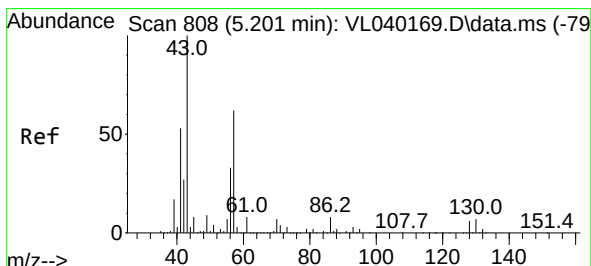
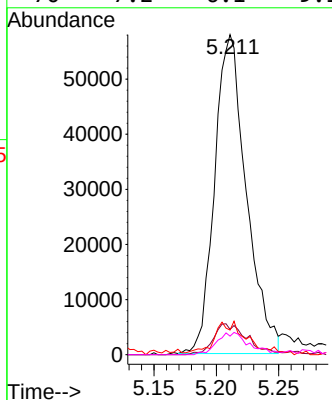
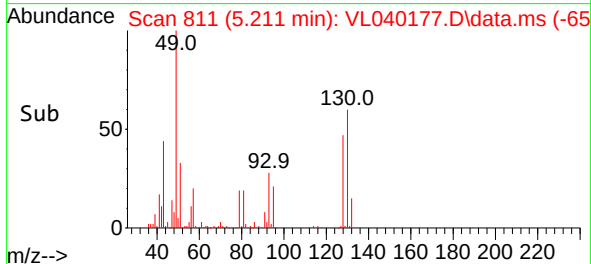


Tgt Ion: 43 Resp: 102290

Ion	Ratio	Lower	Upper
43	100		
45	11.0	8.3	12.5
61	11.6	8.4	12.6
70	7.2	6.1	9.1

Manual Integrations
APPROVED

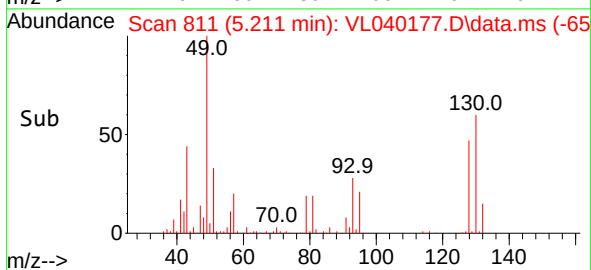
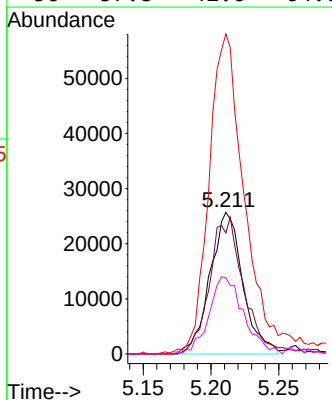
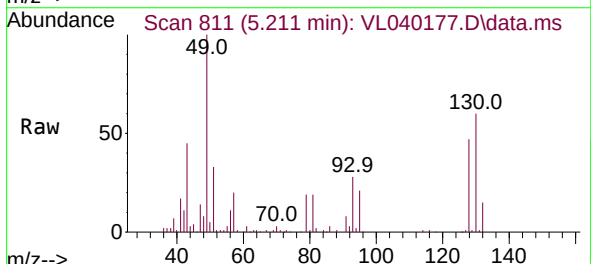
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

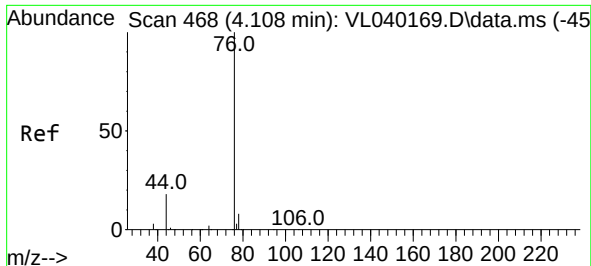


#26
Hexane
Concen: 0.466 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 57 Resp: 42963

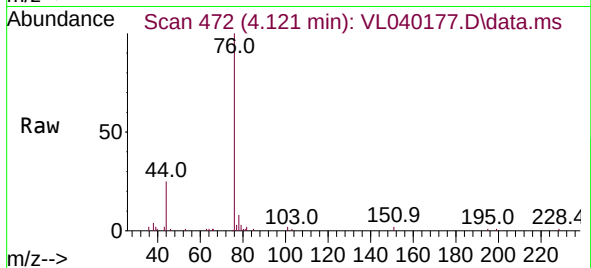
Ion	Ratio	Lower	Upper
57	100		
41	104.5	74.3	111.5
43	262.1	193.0	289.4
56	57.8	42.6	64.0





#27
Carbon Disulfide
Concen: 0.476 ppbv
RT: 4.121 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

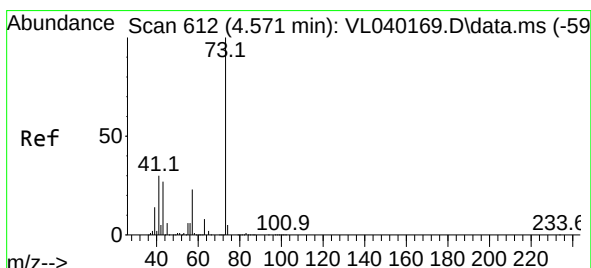
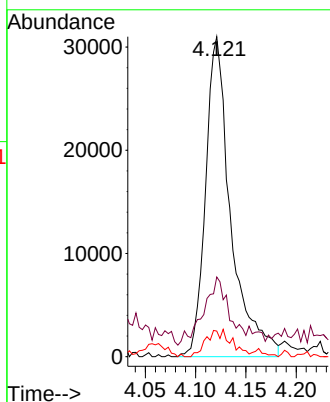
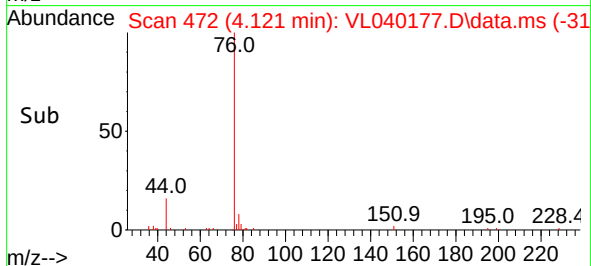
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



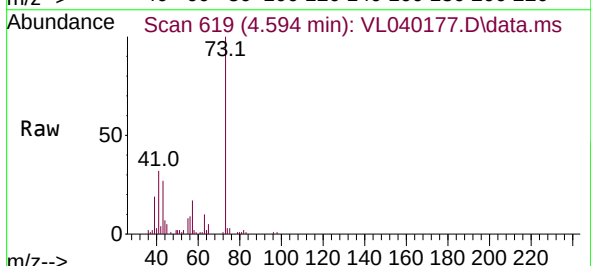
Tgt Ion: 76 Resp: 5402
Ion Ratio Lower Upper
76 100
44 22.6 15.3 22.9
78 10.5 7.7 11.5

Manual Integrations
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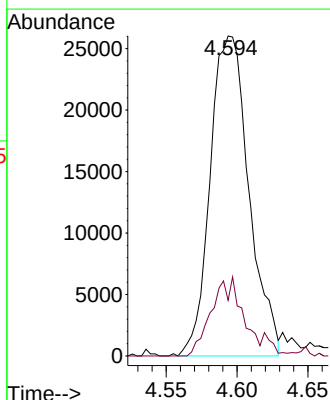
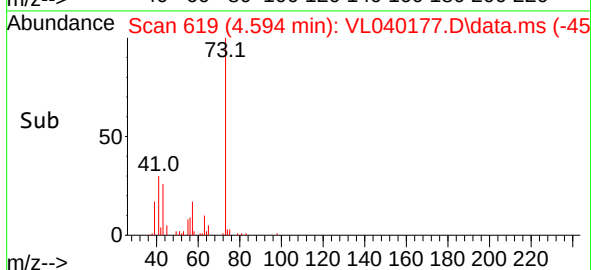
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

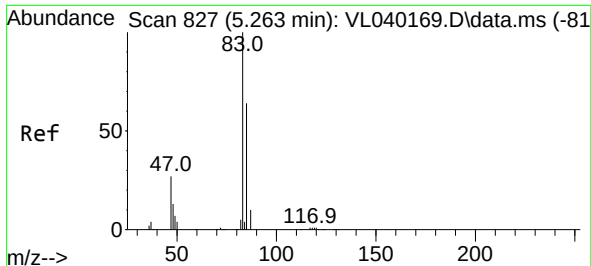


#28
Methyl tert-Butyl Ether
Concen: 0.511 ppbv
RT: 4.594 min Scan# 619
Delta R.T. 0.022 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48



Tgt Ion: 73 Resp: 49511
Ion Ratio Lower Upper
73 100
57 22.4 18.8 28.2





#29

Chloroform

Concen: 0.522 ppbv

RT: 5.272 min Scan# 81

Delta R.T. 0.010 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 8128

Ion Ratio Lower Upper

83 100

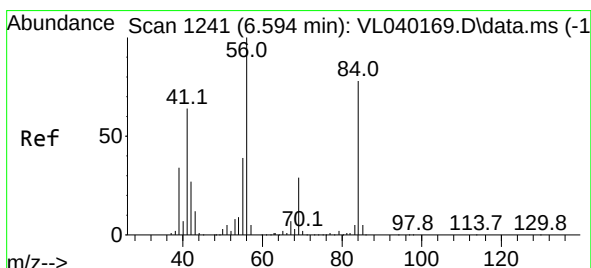
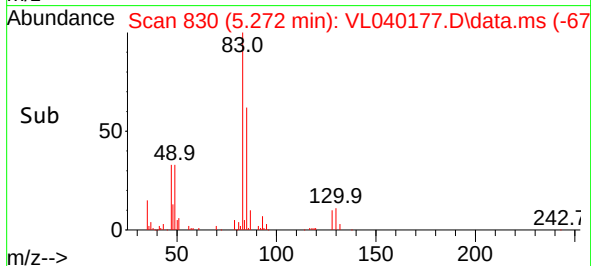
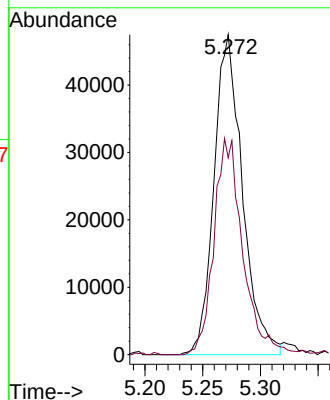
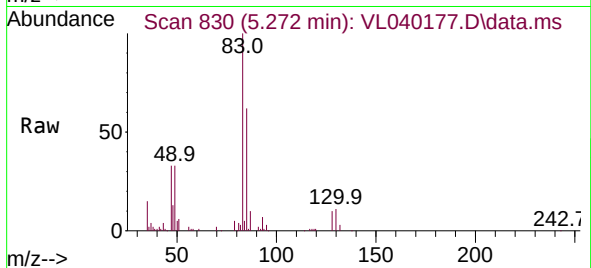
85 61.6 51.5 77.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#30

Cyclohexane

Concen: 0.387 ppbv

RT: 6.606 min Scan# 1245

Delta R.T. 0.013 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

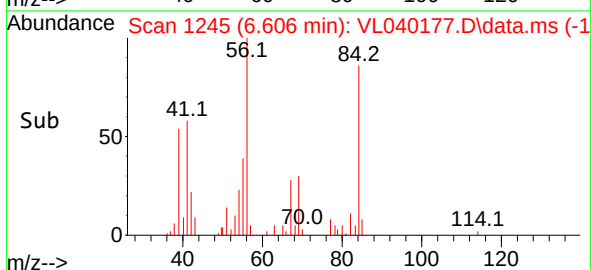
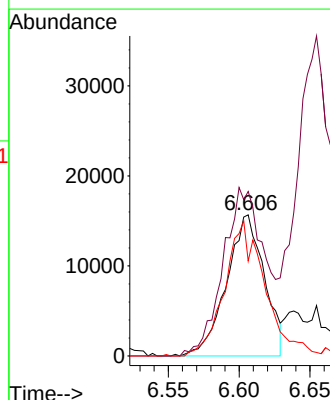
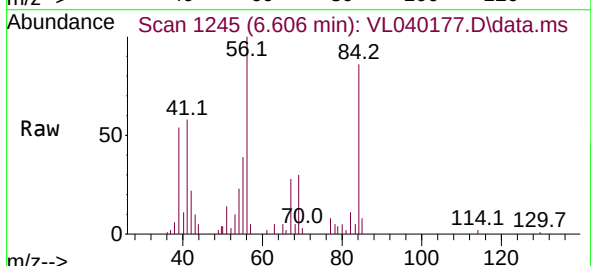
Tgt Ion: 84 Resp: 29047

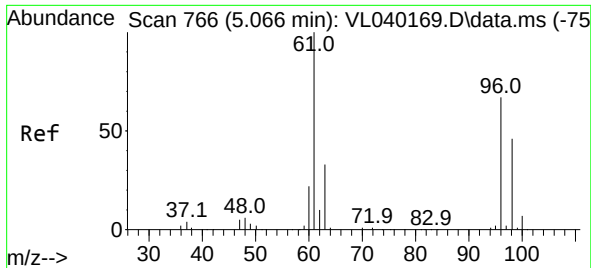
Ion Ratio Lower Upper

84 100

56 135.1 109.9 164.9

41 103.8 67.8 101.6





#31
 cis-1,2-Dichloroethene
 Concen: 0.463 ppbv
 RT: 5.076 min Scan# 769
 Delta R.T. 0.010 min
 Lab File: VL040177.D
 Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

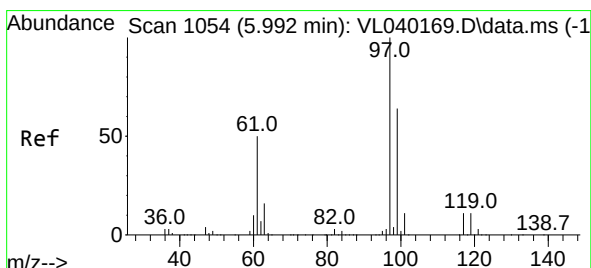
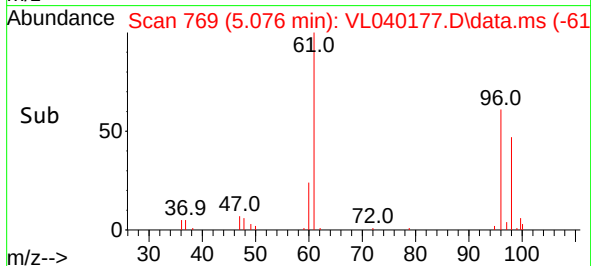
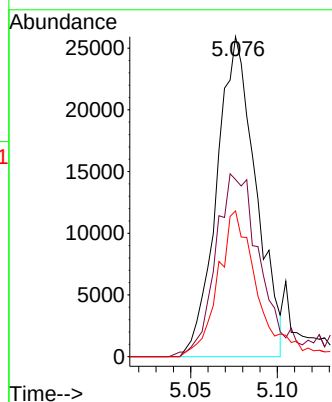
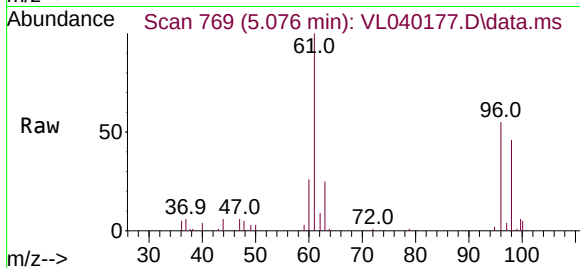
VSTDIC0.5

Tgt Ion: 61 Resp: 40618
 Ion Ratio Lower Upper
 61 100
 96 53.9 53.7 80.5
 98 45.5 36.4 54.6

Manual Integrations

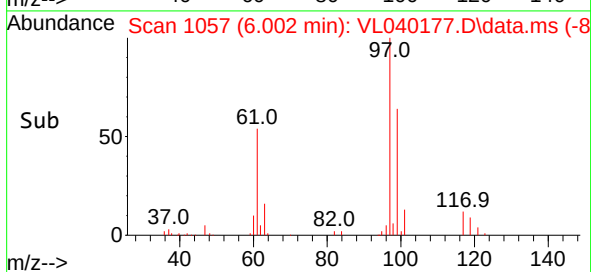
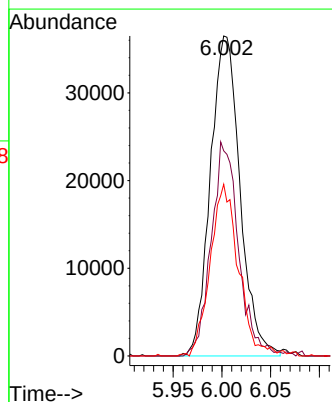
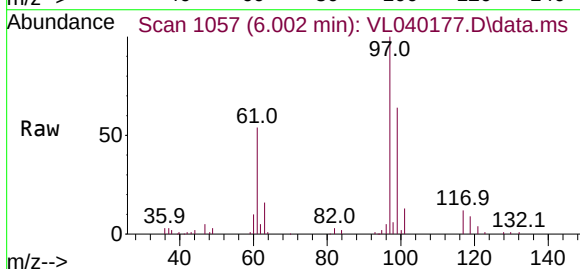
APPROVED

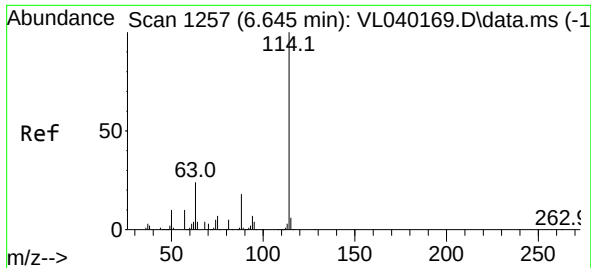
Reviewed By :Semsettin Yesilyurt 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.540 ppbv
 RT: 6.002 min Scan# 1057
 Delta R.T. 0.010 min
 Lab File: VL040177.D
 Acq: 15 Feb 2023 15:48

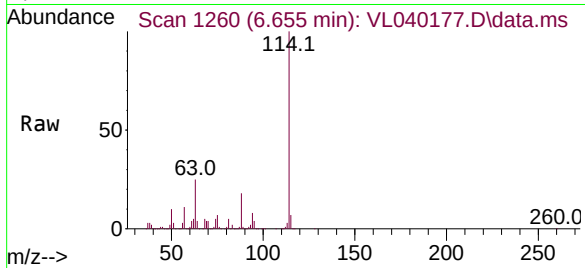
Tgt Ion: 97 Resp: 77173
 Ion Ratio Lower Upper
 97 100
 99 62.1 51.5 77.3
 61 51.8 40.6 60.8





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 114
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

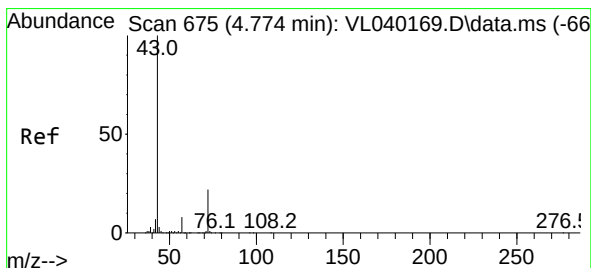
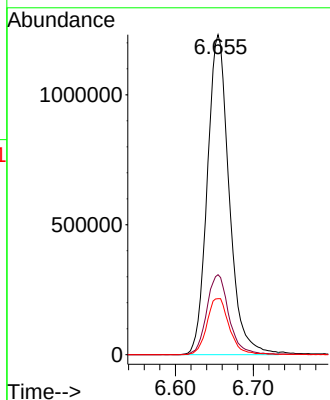
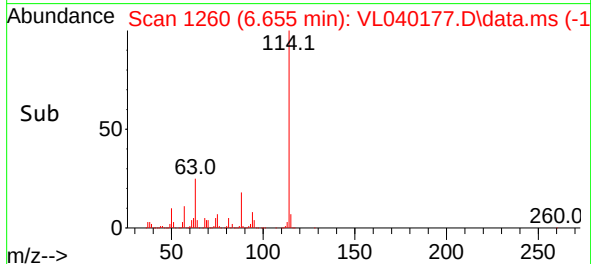
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



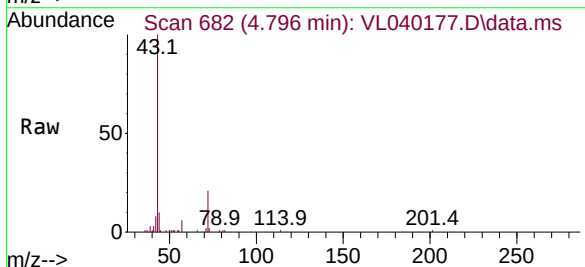
Tgt Ion:114 Resp: 2396738
Ion Ratio Lower Upper
114 100
63 25.7 20.4 30.6
88 18.1 14.3 21.5

Manual Integrations
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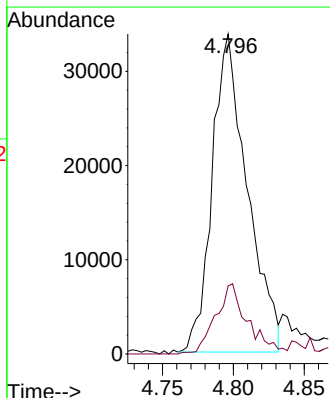
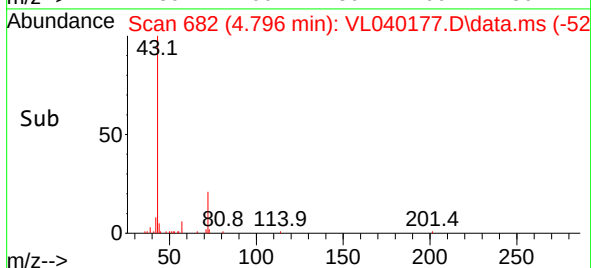
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

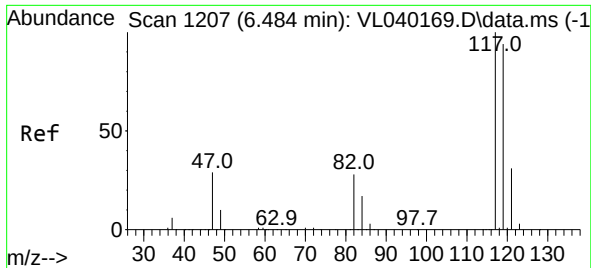


#34
2-Butanone
Concen: 0.494 ppbv
RT: 4.796 min Scan# 682
Delta R.T. 0.022 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48



Tgt Ion: 43 Resp: 58184
Ion Ratio Lower Upper
43 100
72 22.9 17.8 26.8





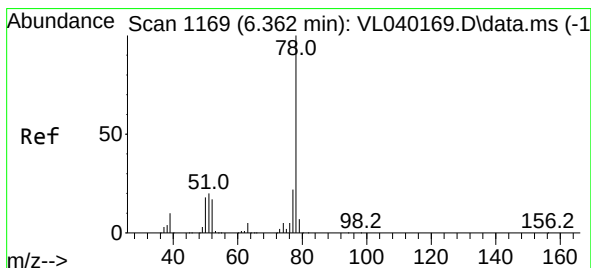
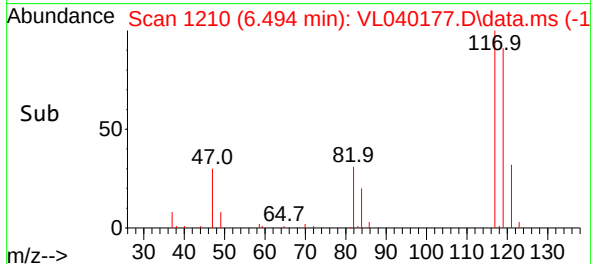
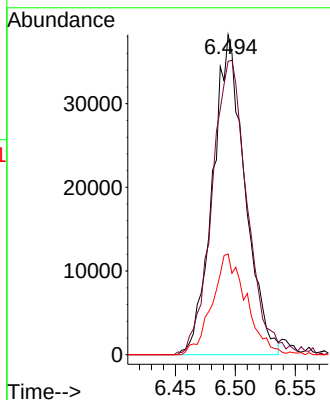
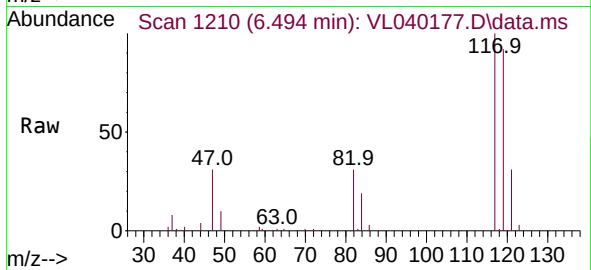
#35
Carbon Tetrachloride
Concen: 0.511 ppbv
RT: 6.494 min Scan# 1173
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:117 Resp: 7153
Ion Ratio Lower Upper
117 100
119 90.8 75.0 112.6
121 31.5 25.0 37.4

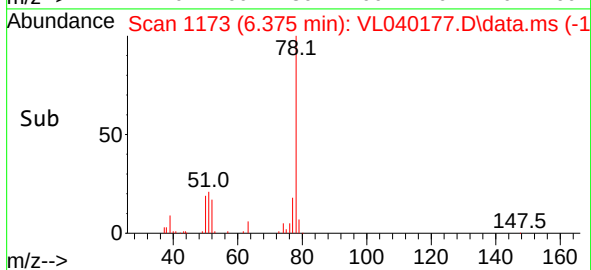
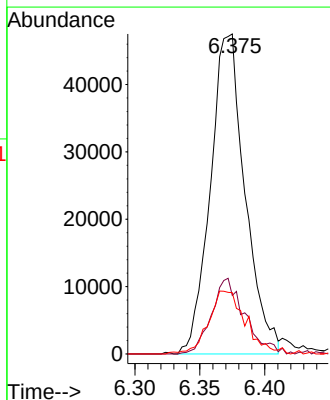
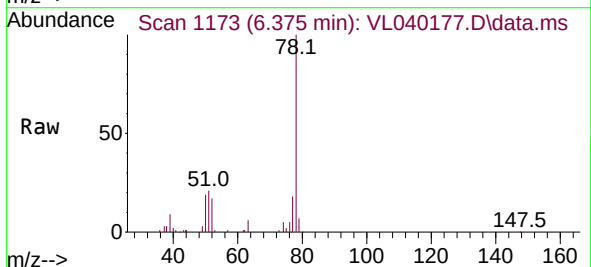
Manual Integrations
APPROVED

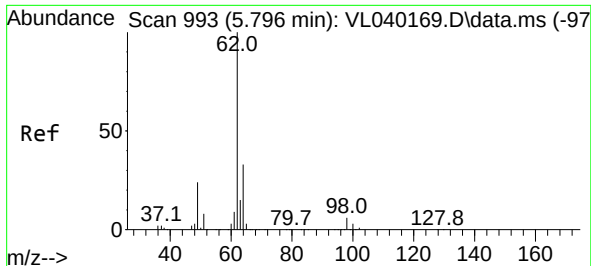
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#36
Benzene
Concen: 0.468 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 78 Resp: 88285
Ion Ratio Lower Upper
78 100
77 18.3 17.5 26.3
50 18.0 14.6 22.0





#37

1,2-Dichloroethane

Concen: 0.518 ppbv

RT: 5.809 min Scan# 997

Delta R.T. 0.013 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 62 Resp: 59672

Ion Ratio Lower Upper

62 100

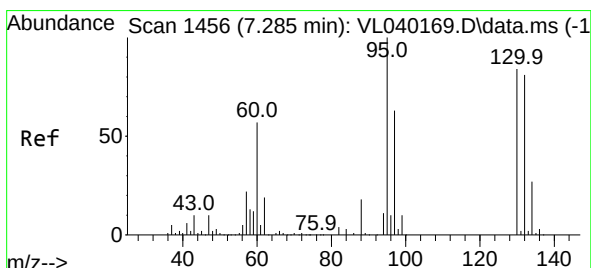
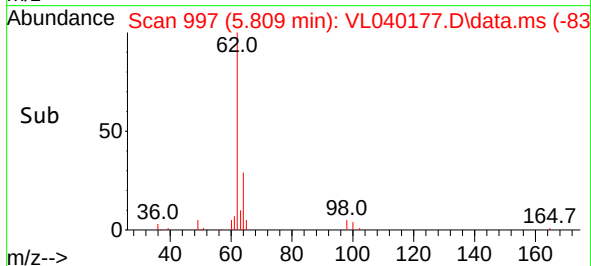
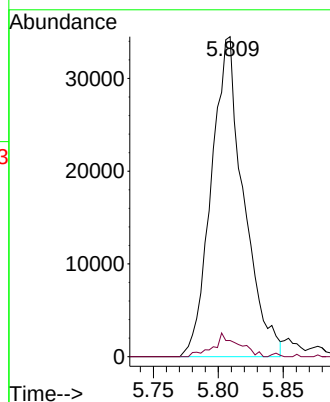
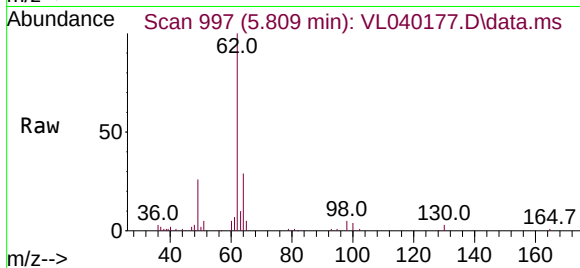
98 6.0 4.7 7.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#38

Trichloroethene

Concen: 0.507 ppbv

RT: 7.294 min Scan# 1459

Delta R.T. 0.010 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Tgt Ion:130 Resp: 50702

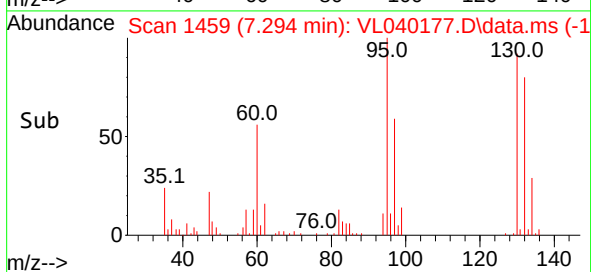
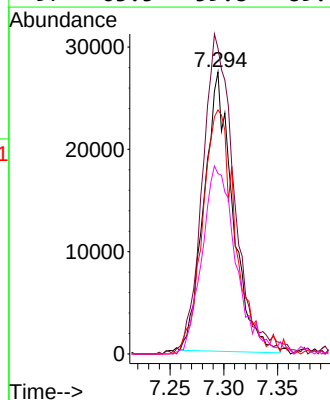
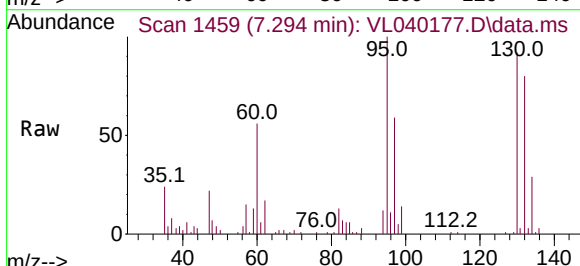
Ion Ratio Lower Upper

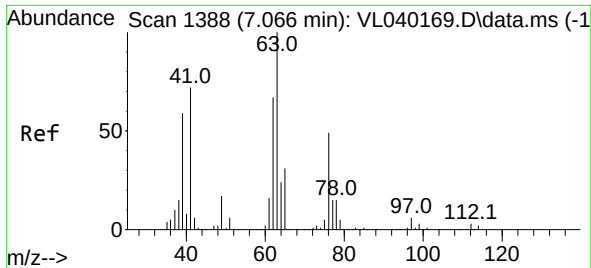
130 100

95 107.3 94.7 142.1

132 86.8 76.4 114.6

97 63.5 59.8 89.6





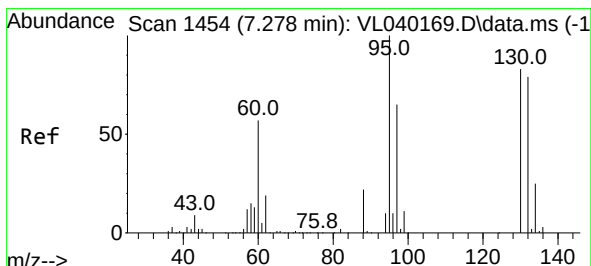
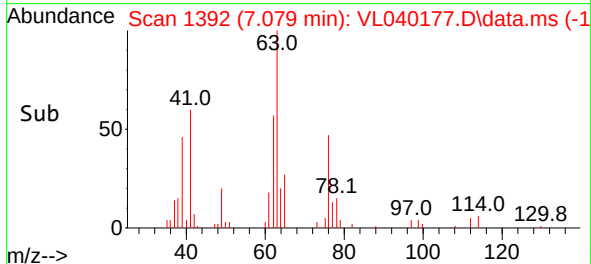
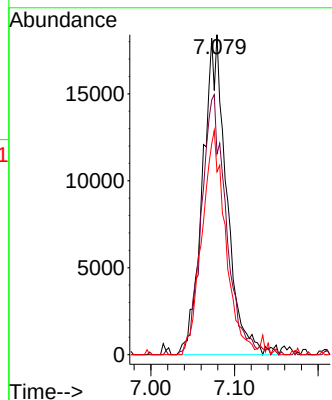
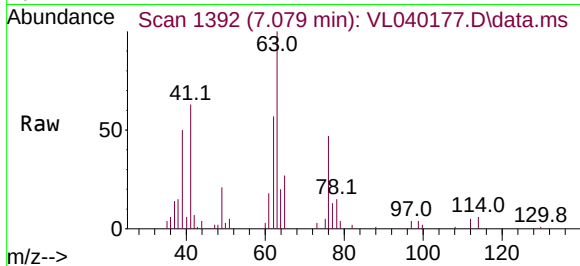
#39
1,2-Dichloropropane
Concen: 0.508 ppbv
RT: 7.079 min Scan# 1388
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 63 Resp: 3679
Ion Ratio Lower Upper
63 100
41 62.7 57.6 86.4
62 57.2 54.0 81.0

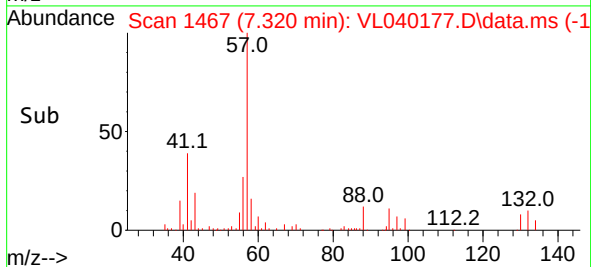
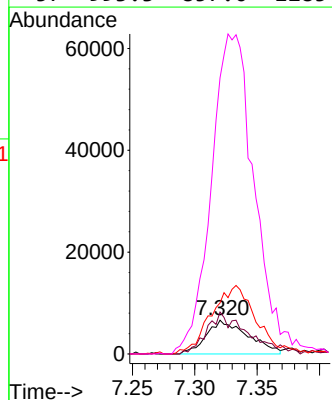
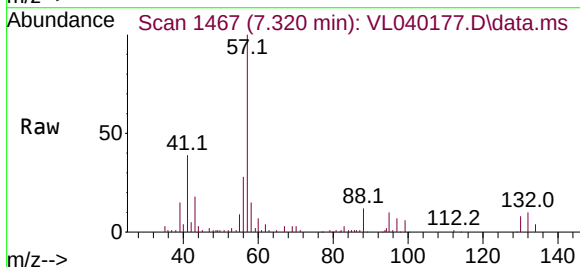
Manual Integrations
APPROVED

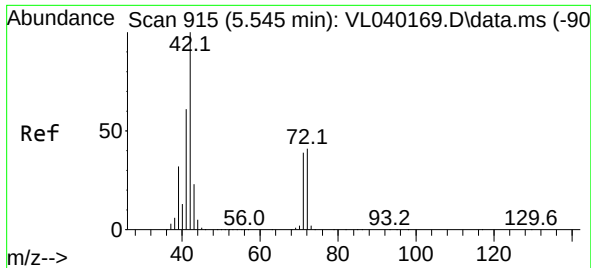
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#40
1,4-Dioxane
Concen: 0.531 ppbv
RT: 7.320 min Scan# 1467
Delta R.T. 0.042 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

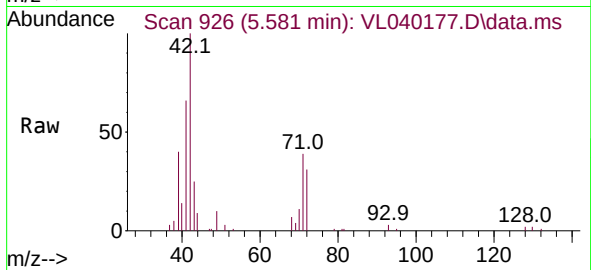
Tgt Ion: 88 Resp: 15322
Ion Ratio Lower Upper
88 100
58 128.2 97.4 146.0
43 225.8 193.5 290.3
57 993.3 857.0 1285.6





#41
Tetrahydrofuran
Concen: 0.407 ppbv
RT: 5.581 min Scan# 915
Delta R.T. 0.035 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

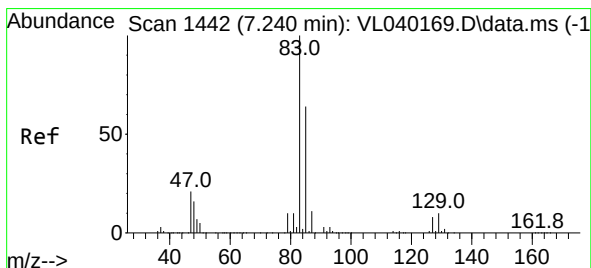
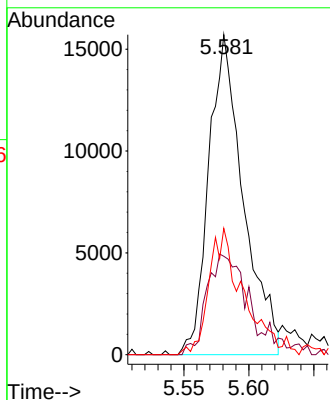
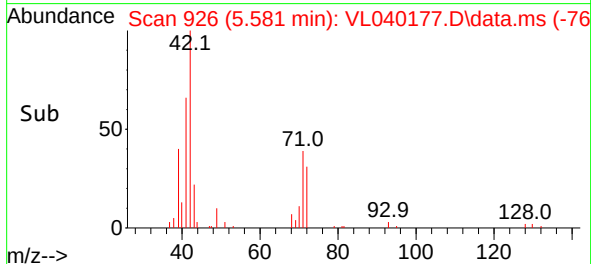
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 42 Resp: 29094
Ion Ratio Lower Upper
42 100
72 39.6 33.0 49.4
71 39.2 31.4 47.2

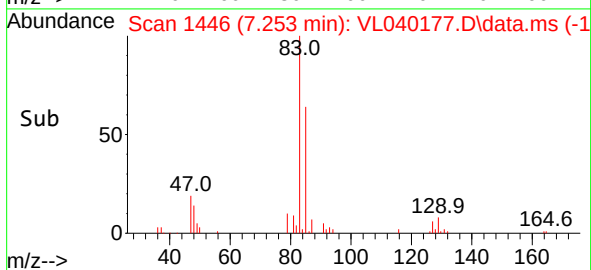
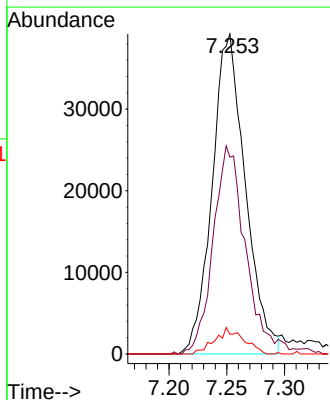
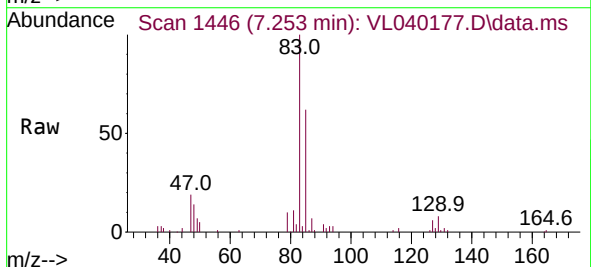
Manual Integrations
APPROVED

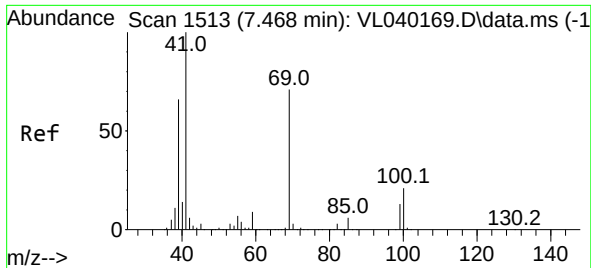
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#42
Bromodichloromethane
Concen: 0.495 ppbv
RT: 7.253 min Scan# 1446
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 83 Resp: 78492
Ion Ratio Lower Upper
83 100
85 61.5 50.9 76.3
127 6.2 6.2 9.2





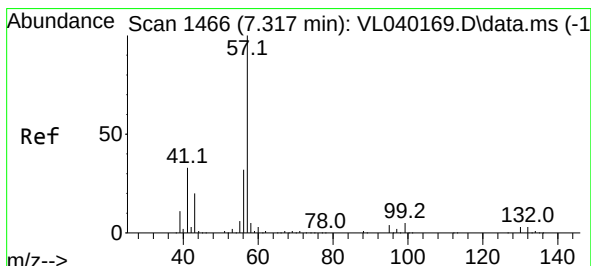
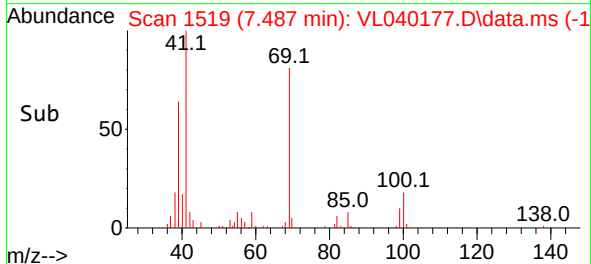
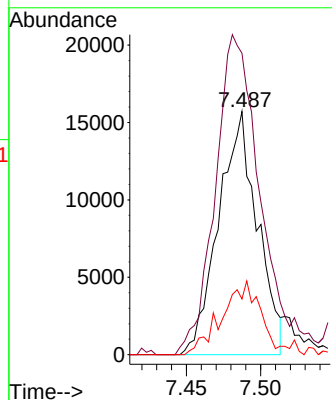
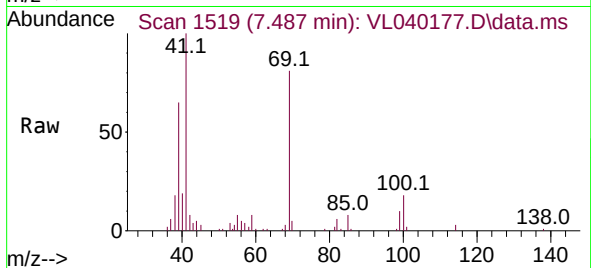
#43
Methyl Methacrylate
Concen: 0.408 ppbv
RT: 7.487 min Scan# 1519
Delta R.T. 0.019 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 69 Resp: 2856
Ion Ratio Lower Upper
69 100
41 153.0 116.6 174.8
100 31.6 25.6 38.4

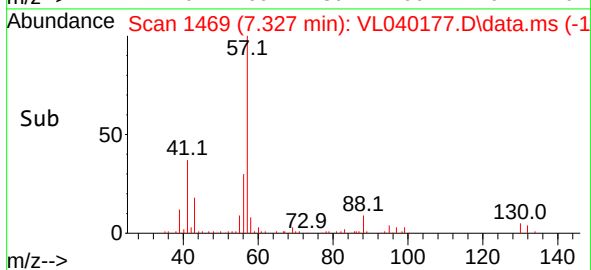
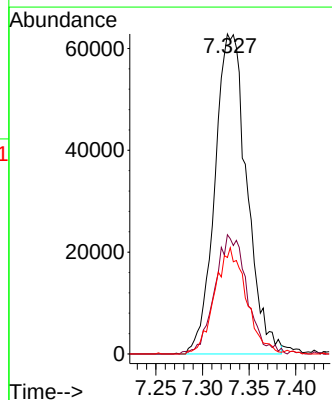
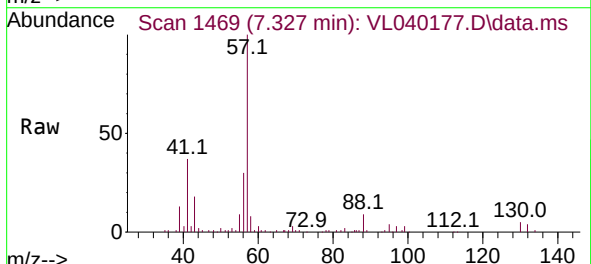
Manual Integrations
APPROVED

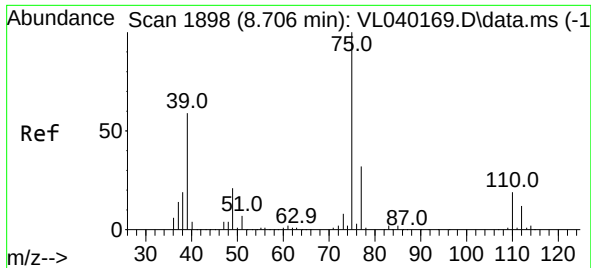
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#44
2,2,4-Trimethylpentane
Concen: 0.484 ppbv m
RT: 7.327 min Scan# 1469
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

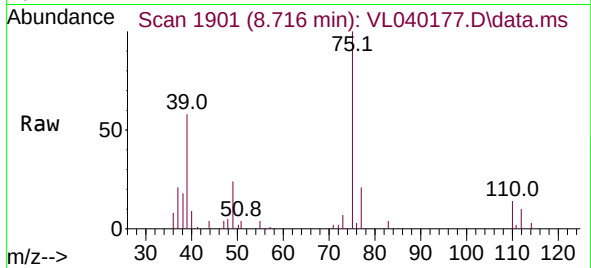
Tgt Ion: 57 Resp: 150384
Ion Ratio Lower Upper
57 100
41 37.7 26.2 39.4
56 33.1 24.9 37.3





#45
t-1,3-Dichloropropene
Concen: 0.378 ppbv m
RT: 8.716 min Scan# 1901
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

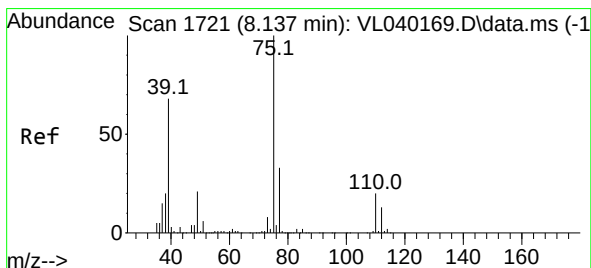
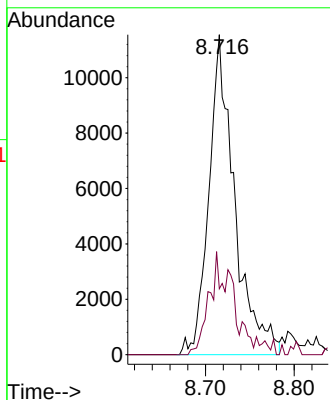
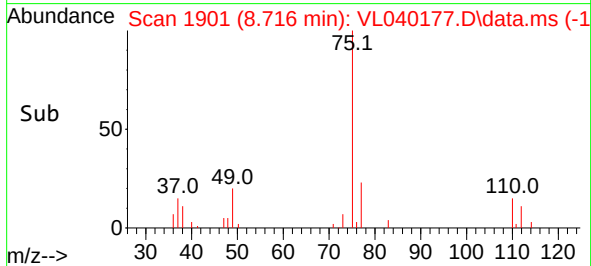
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 75 Resp: 23260
Ion Ratio Lower Upper
75 100
77 20.6 25.7 38.5

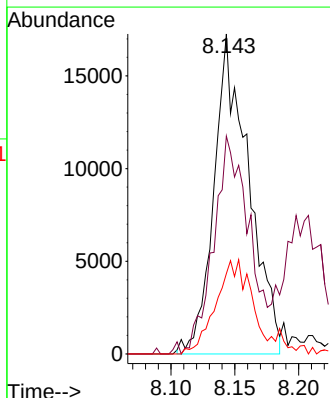
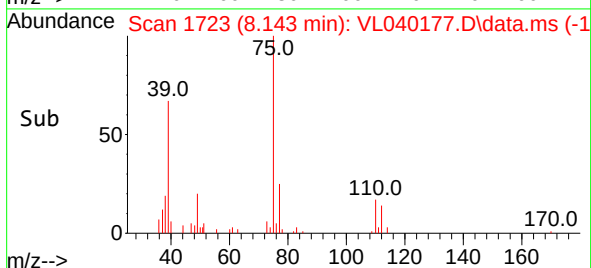
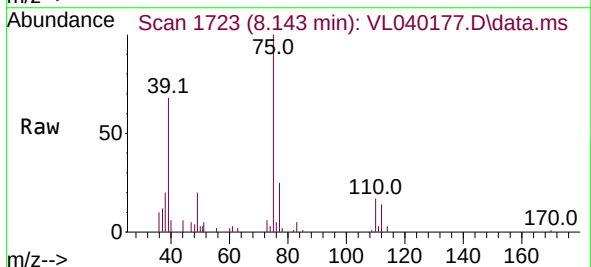
Manual Integrations
APPROVED

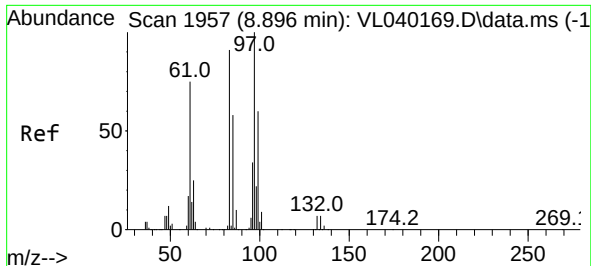
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#46
cis-1,3-Dichloropropene
Concen: 0.379 ppbv m
RT: 8.143 min Scan# 1723
Delta R.T. 0.006 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 75 Resp: 32650
Ion Ratio Lower Upper
75 100
39 68.1 54.2 81.2
77 25.1 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 0.496 ppbv

RT: 8.905 min Scan# 1957

Delta R.T. 0.010 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 97 Resp: 3898

Ion Ratio Lower Upper

97 100

83 83.1 72.8 109.2

85 55.5 46.6 69.8

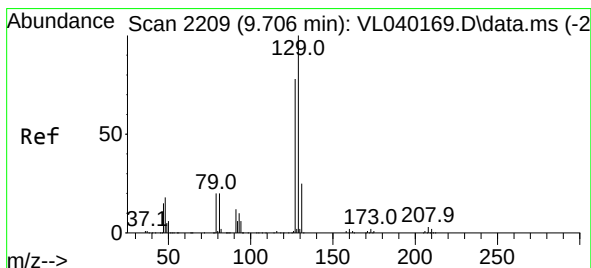
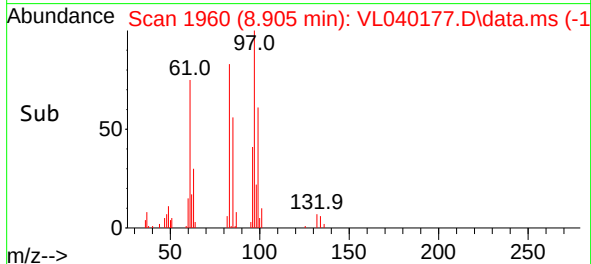
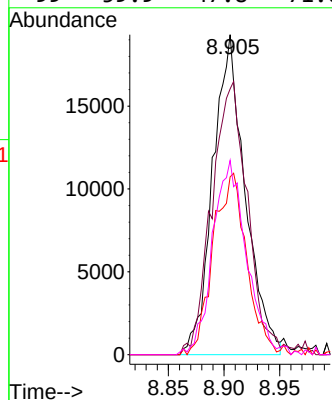
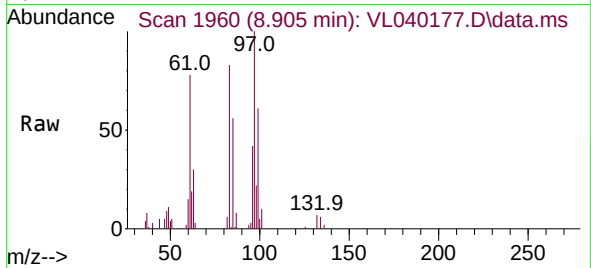
99 59.9 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#48

Dibromochloromethane

Concen: 0.437 ppbv

RT: 9.716 min Scan# 2212

Delta R.T. 0.010 min

Lab File: VL040177.D

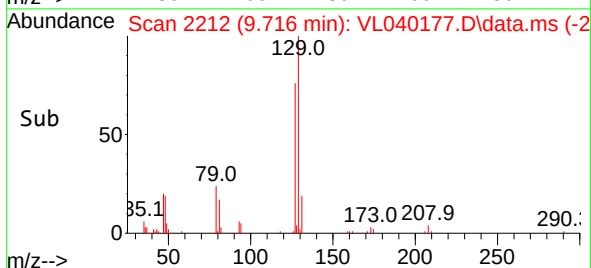
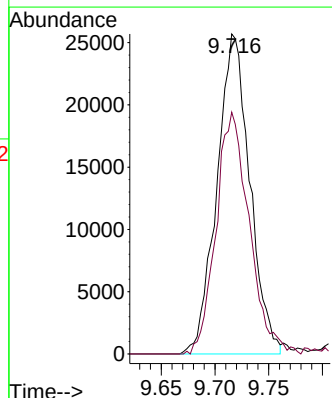
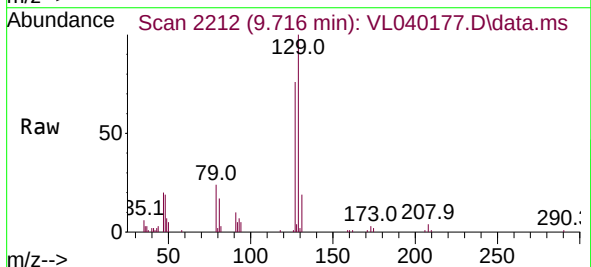
Acq: 15 Feb 2023 15:48

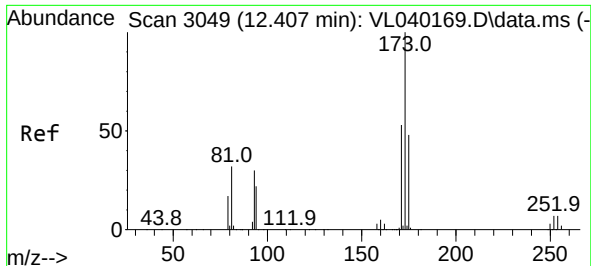
Tgt Ion:129 Resp: 54549

Ion Ratio Lower Upper

129 100

127 77.4 39.1 117.2





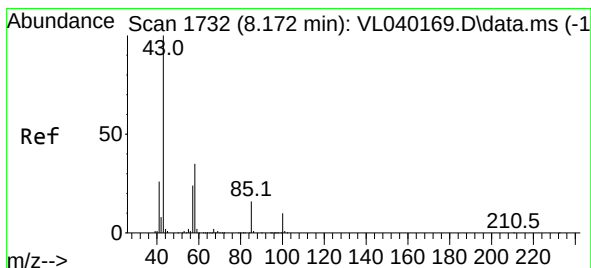
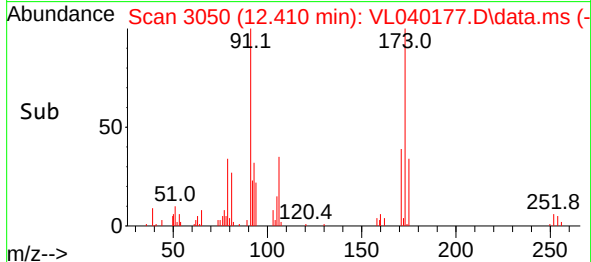
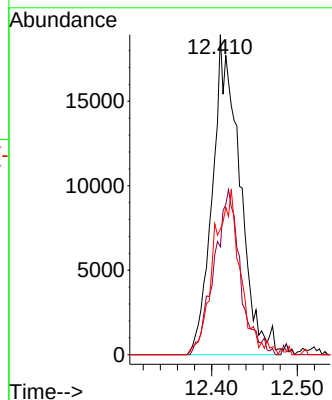
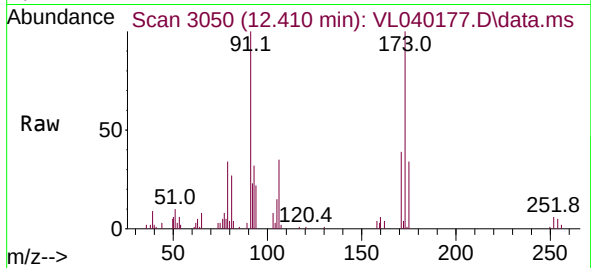
#49
Bromoform
Concen: 0.434 ppbv m
RT: 12.410 min Scan# 3049
Delta R.T. 0.003 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:173 Resp: 4186
Ion Ratio Lower Upper
173 100
175 49.4 39.4 59.0
171 51.1 41.8 62.6

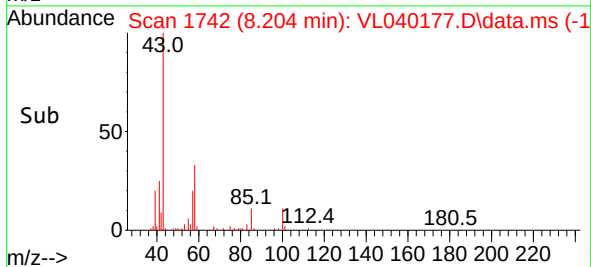
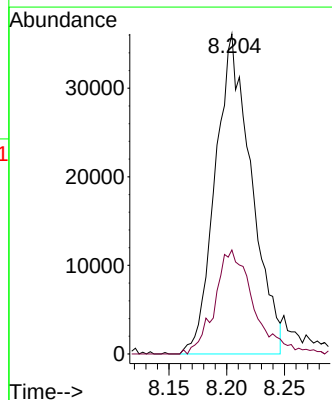
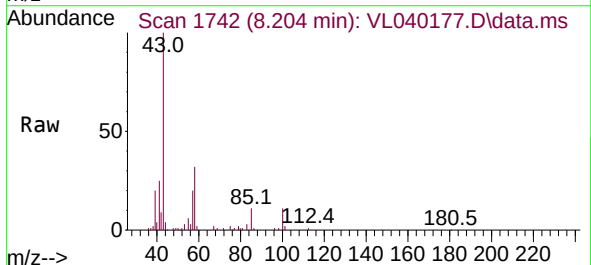
Manual Integrations
APPROVED

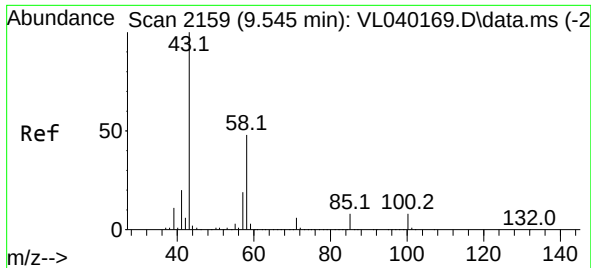
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#50
4-Methyl-2-Pentanone
Concen: 0.421 ppbv
RT: 8.204 min Scan# 1742
Delta R.T. 0.032 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

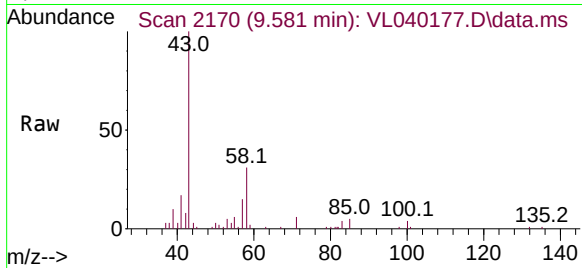
Tgt Ion: 43 Resp: 78558
Ion Ratio Lower Upper
43 100
58 35.2 29.2 43.8





#51
2-Hexanone
Concen: 0.420 ppbv m
RT: 9.581 min Scan# 2159
Delta R.T. 0.035 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

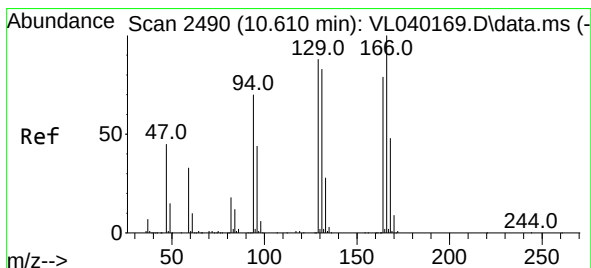
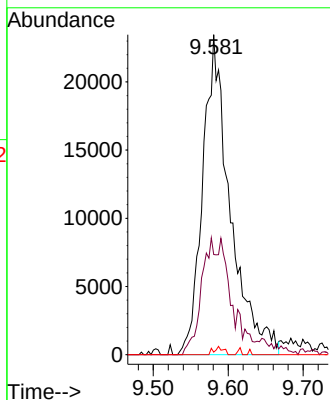
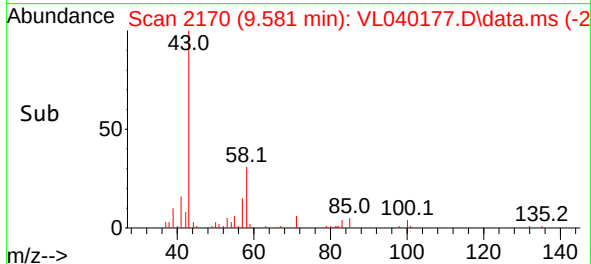
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 43 Resp: 59594
Ion Ratio Lower Upper
43 100
58 41.8 39.1 58.7
98 0.0 0.2 0.4

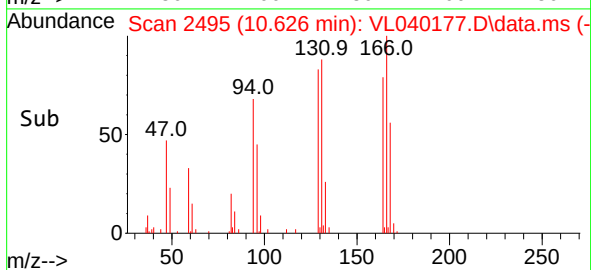
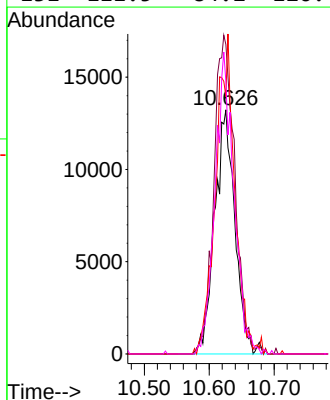
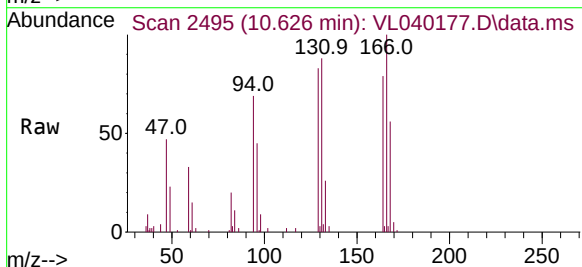
Manual Integrations
APPROVED

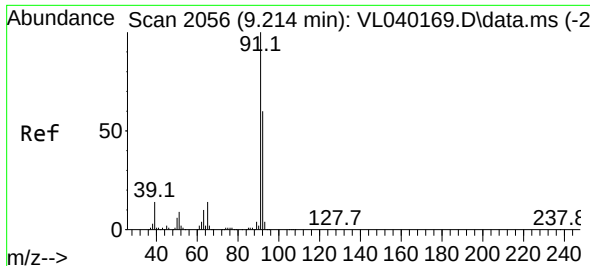
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#52
Tetrachloroethene
Concen: 0.490 ppbv m
RT: 10.626 min Scan# 2495
Delta R.T. 0.016 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

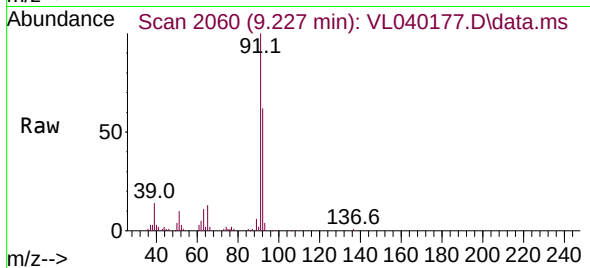
Tgt Ion:164 Resp: 28818
Ion Ratio Lower Upper
164 100
166 126.7 101.5 152.3
129 105.4 89.0 133.4
131 111.5 84.2 126.4





#53
Toluene
Concen: 0.397 ppbv m
RT: 9.227 min Scan# 2056
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

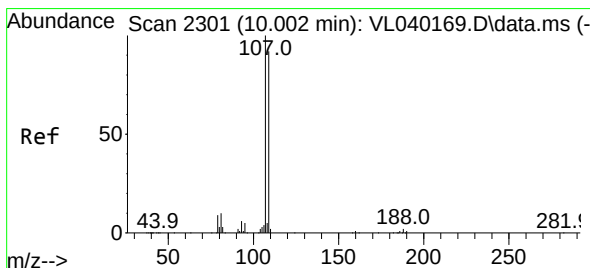
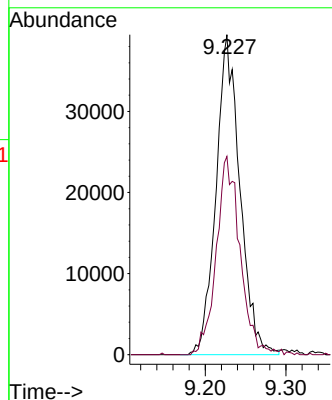
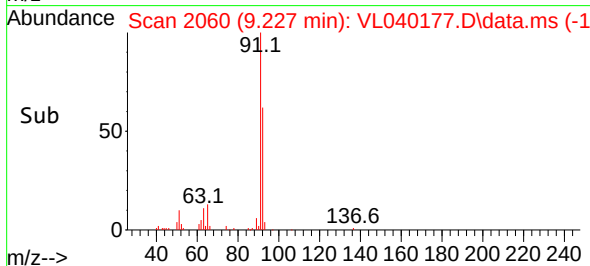
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



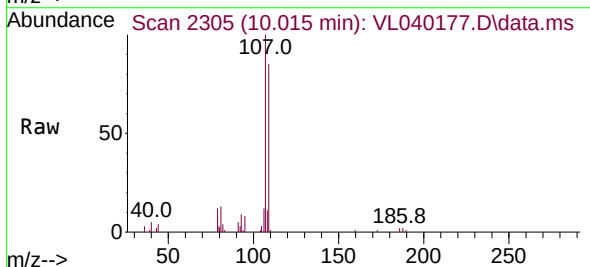
Tgt Ion: 91 Resp: 8091
Ion Ratio Lower Upper
91 100
92 62.1 48.9 73.3

Manual Integrations
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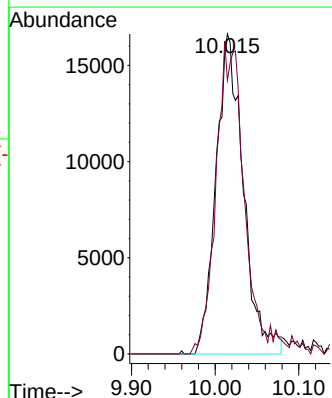
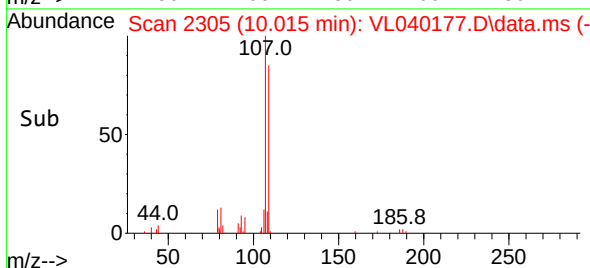
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

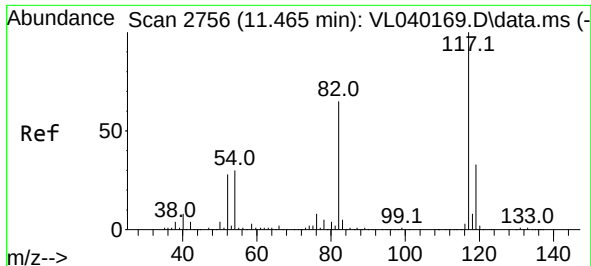


#54
1,2-Dibromoethane
Concen: 0.470 ppbv m
RT: 10.015 min Scan# 2305
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48



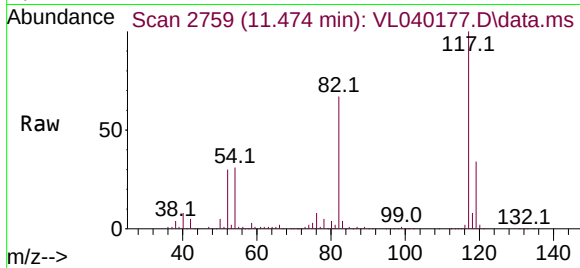
Tgt Ion:107 Resp: 37801
Ion Ratio Lower Upper
107 100
109 85.5 73.8 110.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 216992
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

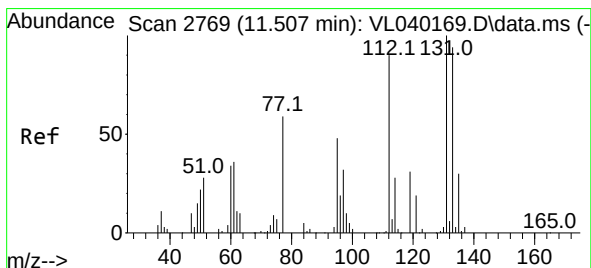
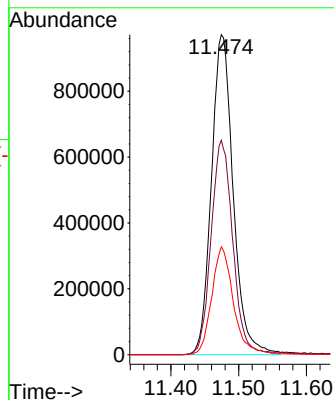
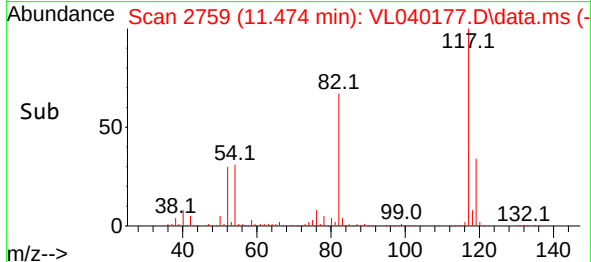
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:117 Resp: 216992
Ion Ratio Lower Upper
117 100
82 67.4 53.3 79.9
119 33.8 24.6 37.0

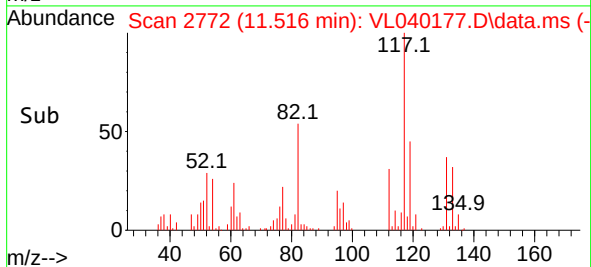
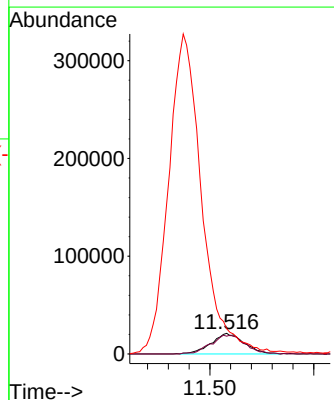
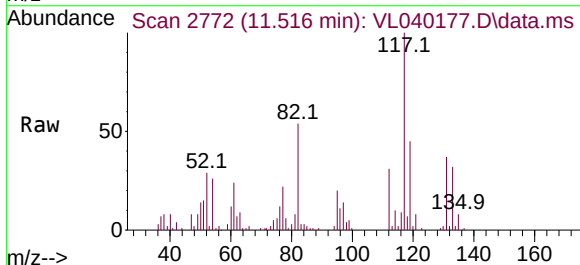
Manual Integrations
APPROVED

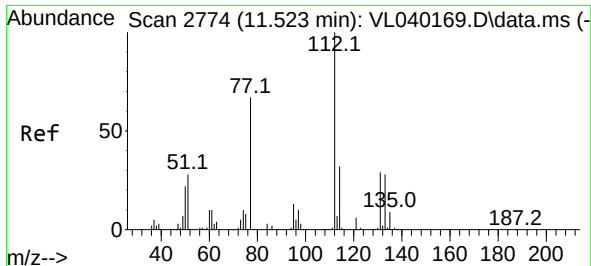
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 0.512 ppbv
RT: 11.516 min Scan# 2772
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion:131 Resp: 46334
Ion Ratio Lower Upper
131 100
133 94.9 76.2 114.2
119 1580.2 45.4 68.0#





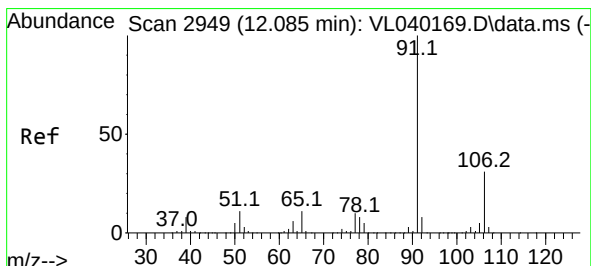
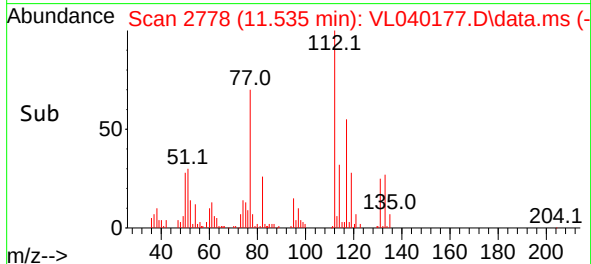
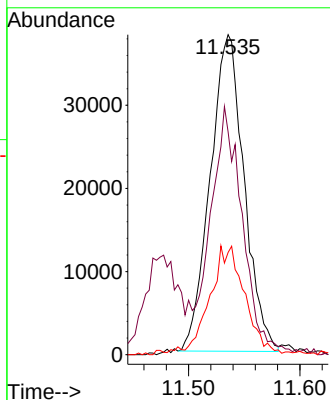
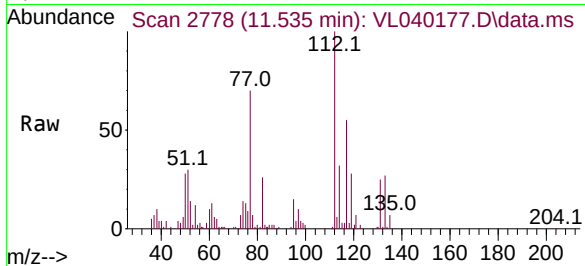
#57
Chlorobenzene
Concen: 0.507 ppbv
RT: 11.535 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 112 Resp: 8079
Ion Ratio Lower Upper
112 100
77 67.9 55.0 82.4
114 30.8 29.0 35.4

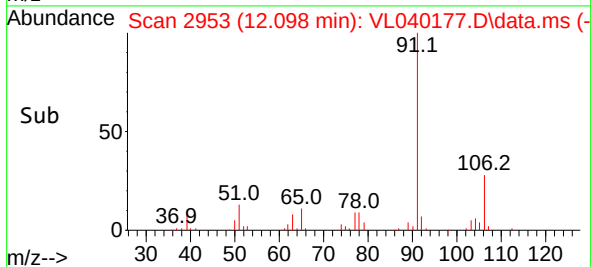
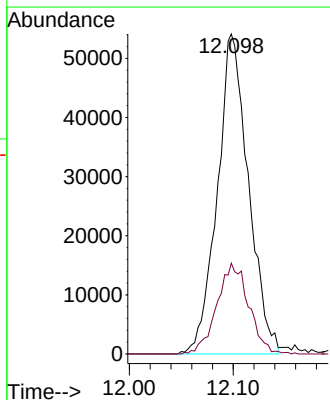
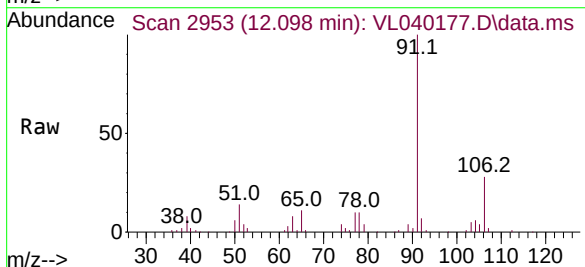
Manual Integrations
APPROVED

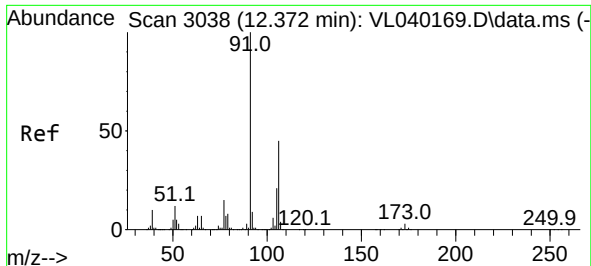
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#58
Ethyl Benzene
Concen: 0.421 ppbv
RT: 12.098 min Scan# 2953
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 91 Resp: 112518
Ion Ratio Lower Upper
91 100
106 28.3 24.9 37.3





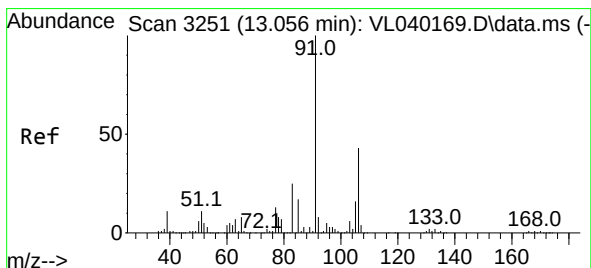
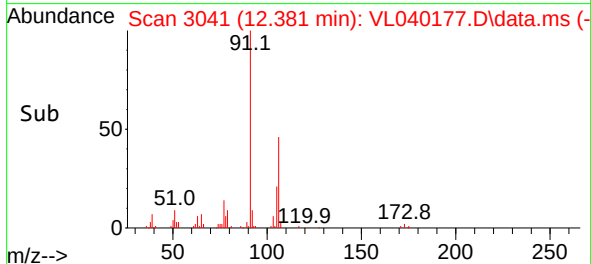
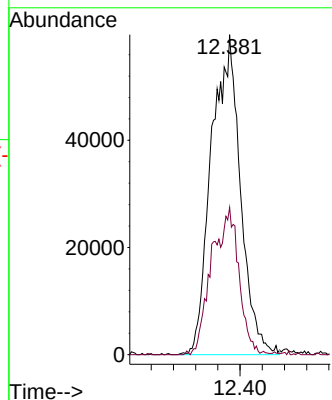
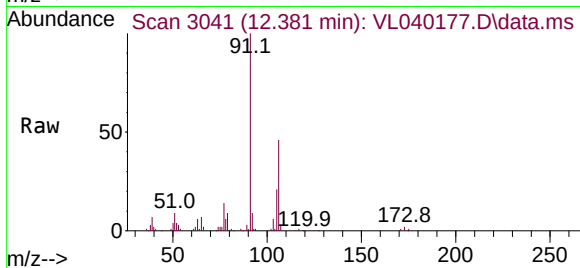
#59
m/p-Xylene
Concen: 0.926 ppbv m
RT: 12.381 min Scan# 3041
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 216500
Ion Ratio Lower Upper
91 100
106 43.4 34.6 51.8

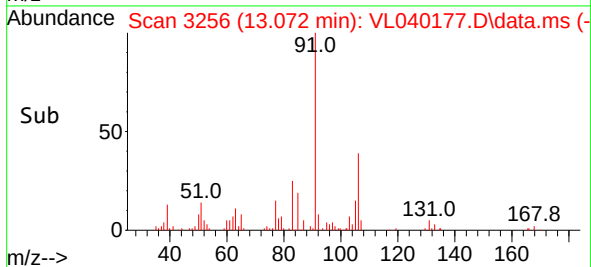
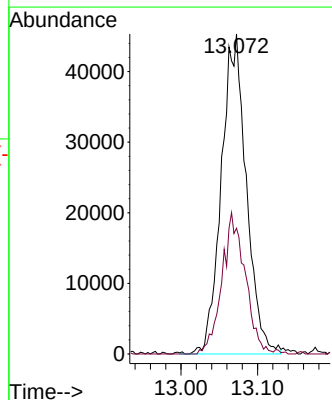
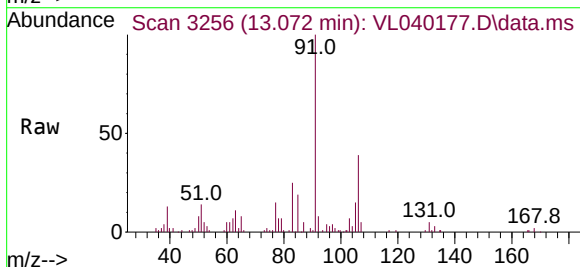
Manual Integrations
APPROVED

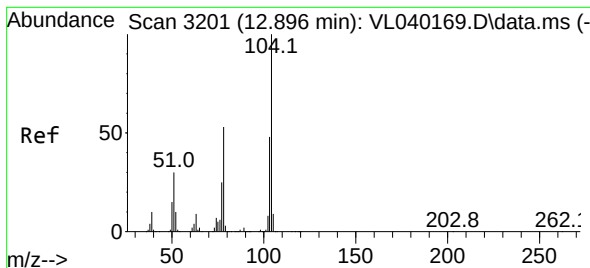
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#60
o-Xylene
Concen: 0.455 ppbv m
RT: 13.072 min Scan# 3256
Delta R.T. 0.016 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 91 Resp: 102558
Ion Ratio Lower Upper
91 100
106 41.4 21.6 65.0





#61

Styrene

Concen: 0.353 ppbv

RT: 12.908 min Scan# 31

Delta R.T. 0.013 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

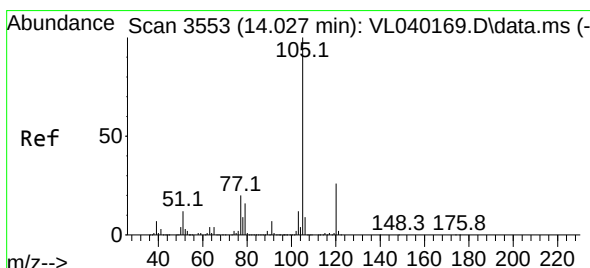
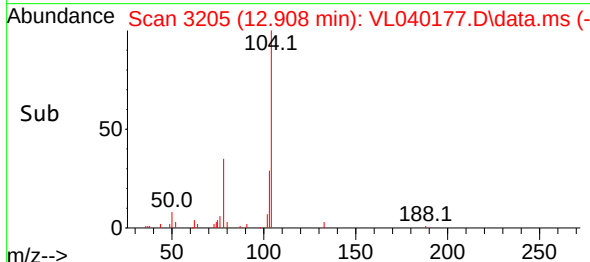
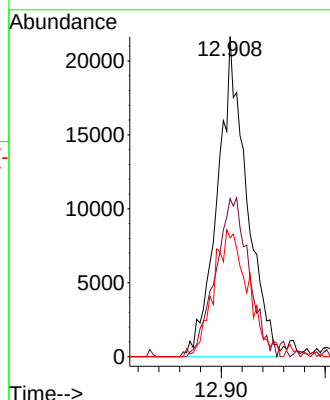
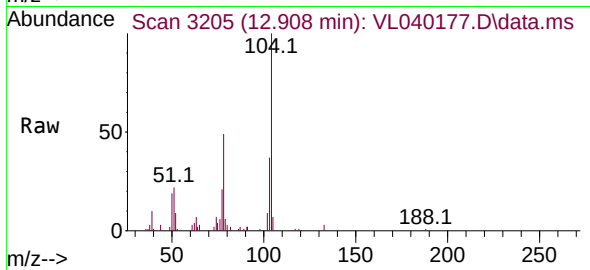
VSTDICC0.5

Tgt Ion:104	Resp:	4234
Ion Ratio	Lower	Upper
104	100	
78	58.6	42.3 63.5
103	46.8	37.5 56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#62

Isopropylbenzene

Concen: 0.462 ppbv

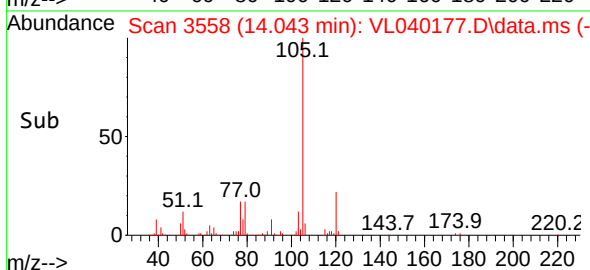
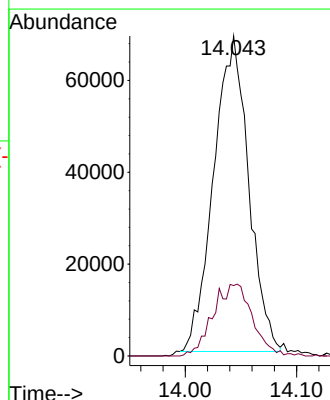
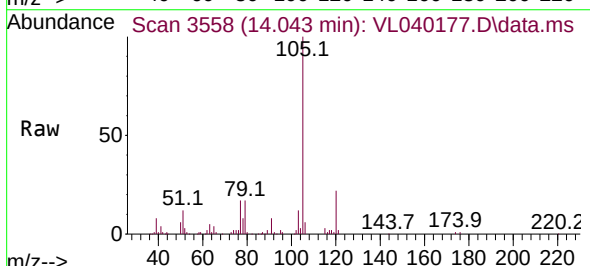
RT: 14.043 min Scan# 3558

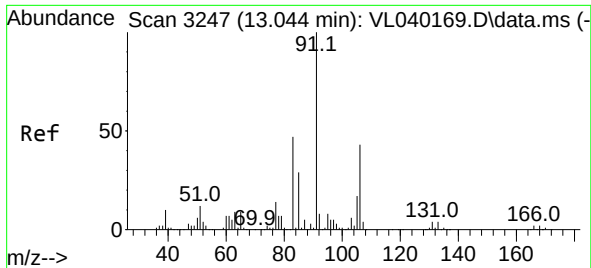
Delta R.T. 0.016 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

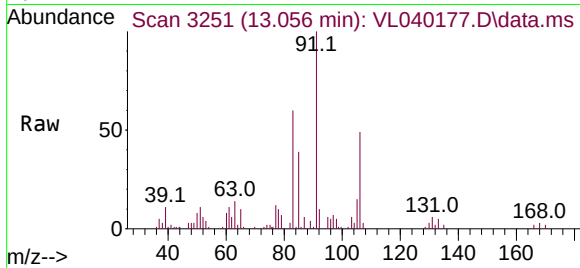
Tgt Ion:105	Resp:	149976
Ion Ratio	Lower	Upper
105	100	
120	25.7	20.3 30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 0.530 ppbv m
RT: 13.056 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

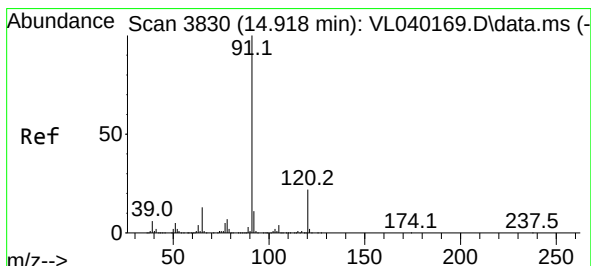
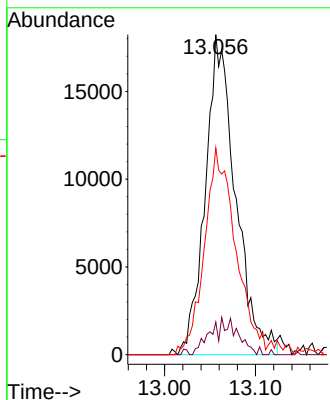
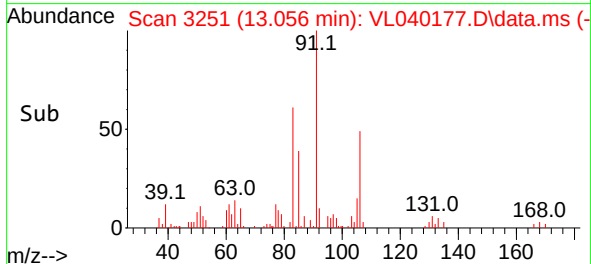
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



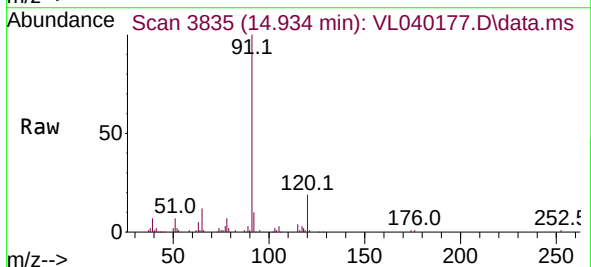
Tgt Ion: 83 Resp: 4221
Ion Ratio Lower Upper
83 100
131 0.0 4.4 13.2
85 68.8 33.0 99.0

Manual Integrations
APPROVED

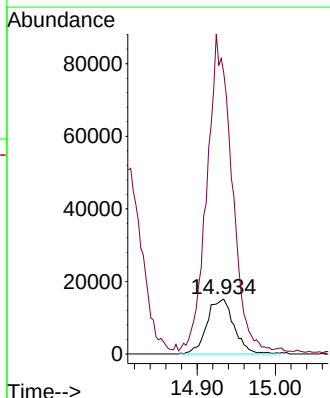
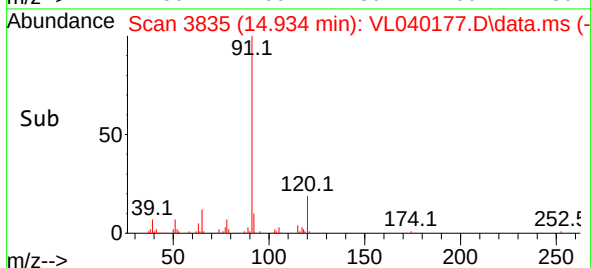
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

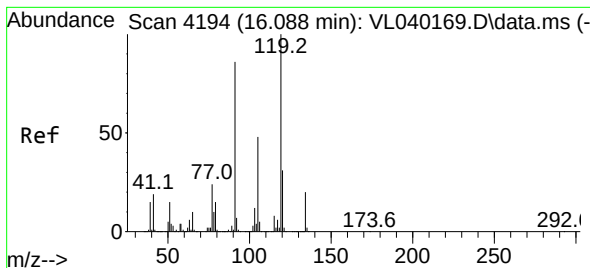


#64
n-propylbenzene
Concen: 0.464 ppbv m
RT: 14.934 min Scan# 3835
Delta R.T. 0.016 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48



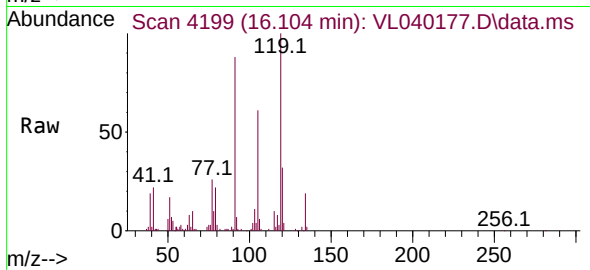
Tgt Ion:120 Resp: 36230
Ion Ratio Lower Upper
120 100
91 547.5 389.8 584.8





#65
tert-Butylbenzene
Concen: 0.447 ppbv
RT: 16.104 min Scan# 4199
Delta R.T. 0.016 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

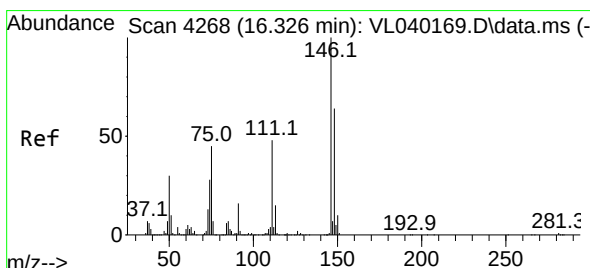
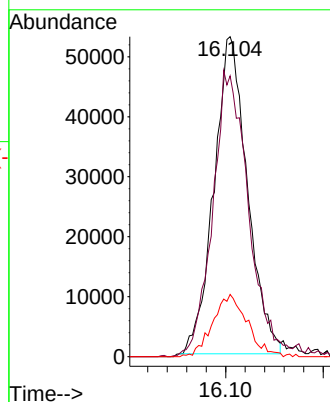
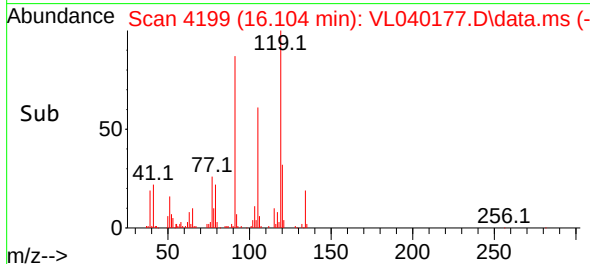
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 119 Resp: 12603
Ion Ratio Lower Upper
119 100
91 97.7 68.6 102.8
134 20.3 15.9 23.9

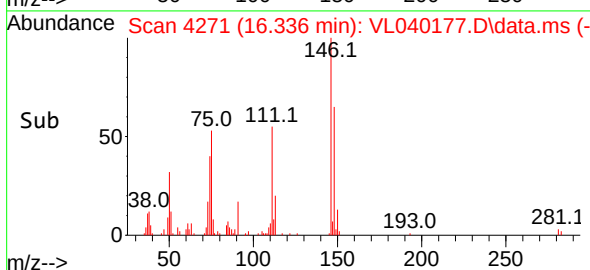
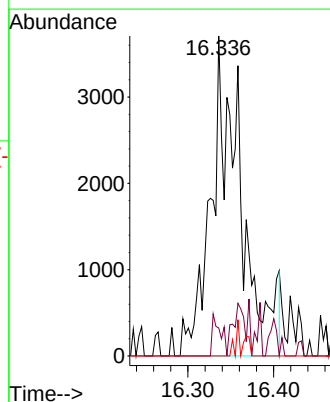
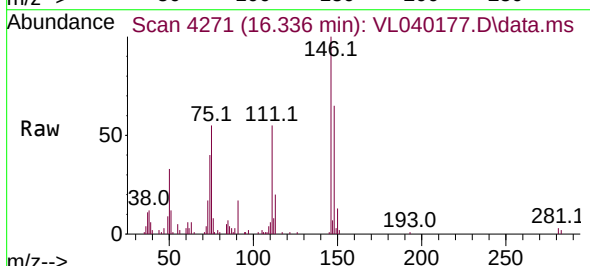
Manual Integrations
APPROVED

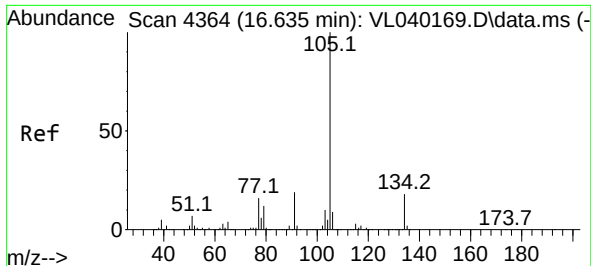
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#66
Benzyl Chloride
Concen: 0.492 ppbv m
RT: 16.336 min Scan# 4271
Delta R.T. 0.010 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 91 Resp: 8944
Ion Ratio Lower Upper
91 100
126 0.0 13.1 19.7#
128 0.0 4.1 6.1#





#67

sec-Butylbenzene

Concen: 0.464 ppbv

RT: 16.648 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:105 Resp: 18773

Ion Ratio Lower Upper

105 100

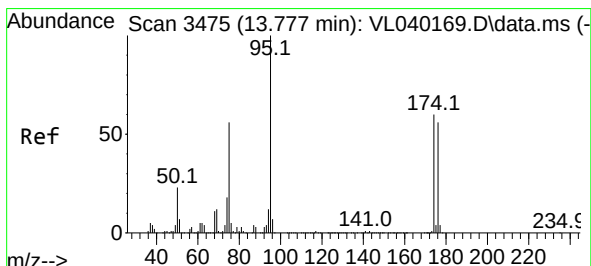
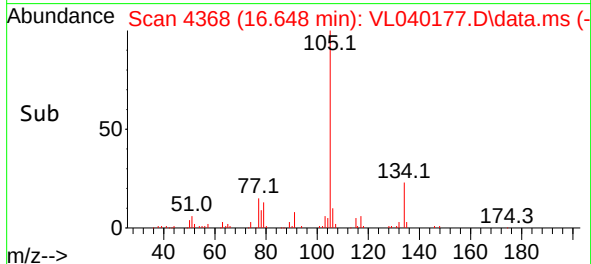
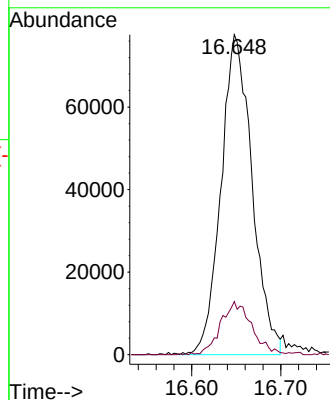
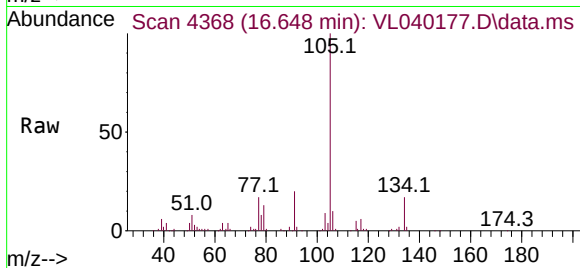
134 16.9 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 10.189 ppbv

RT: 13.786 min Scan# 3478

Delta R.T. 0.010 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

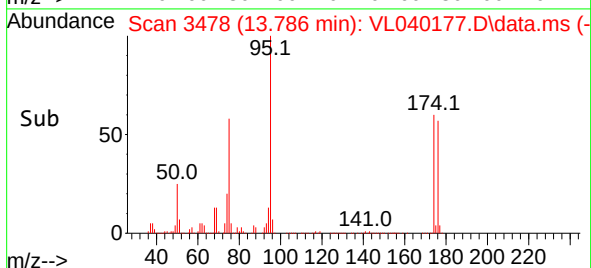
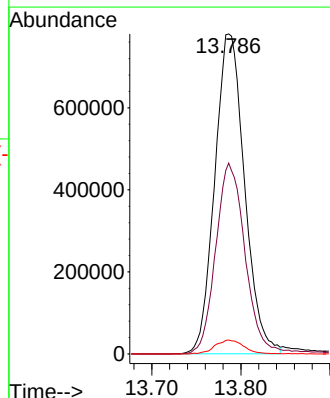
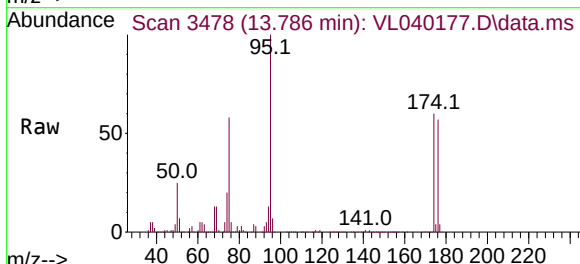
Tgt Ion: 95 Resp: 1813682

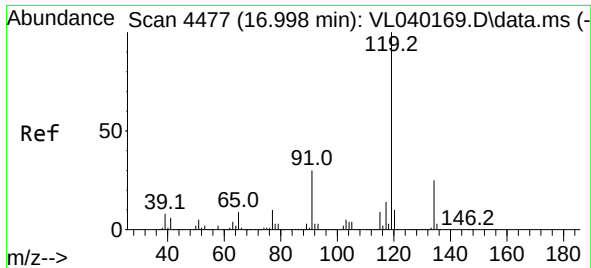
Ion Ratio Lower Upper

95 100

174 59.4 48.2 72.2

175 4.3 3.4 5.2





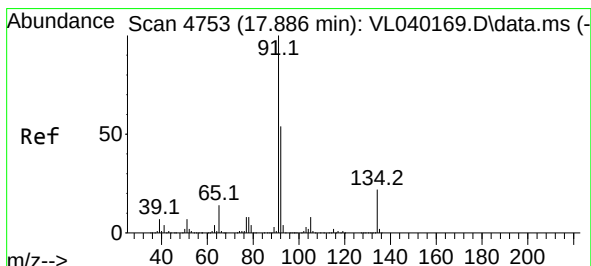
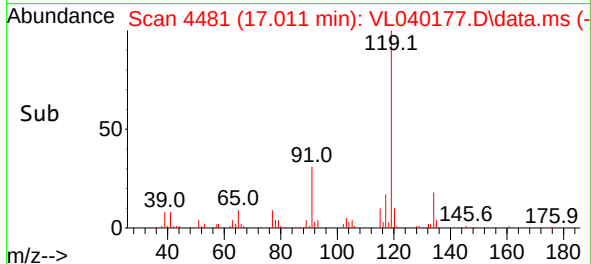
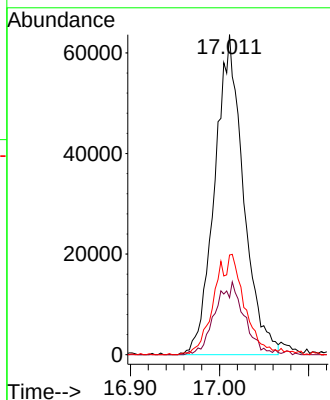
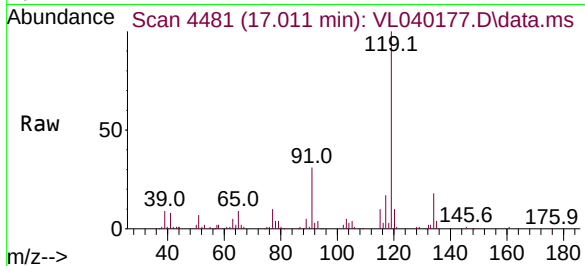
#69
p-Isopropyltoluene
Concen: 0.446 ppbv
RT: 17.011 min Scan# 4477
Delta R.T. 0.013 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:119 Resp: 142780
Ion Ratio Lower Upper
119 100
134 23.4 20.2 30.2
91 34.4 24.7 37.1

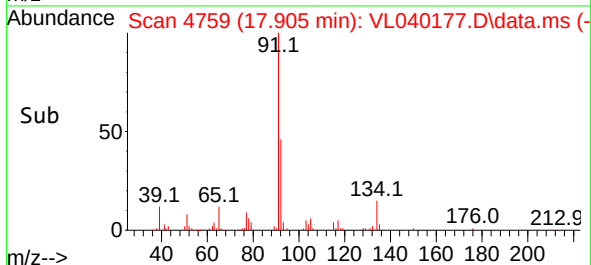
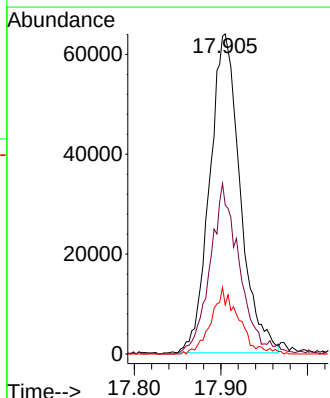
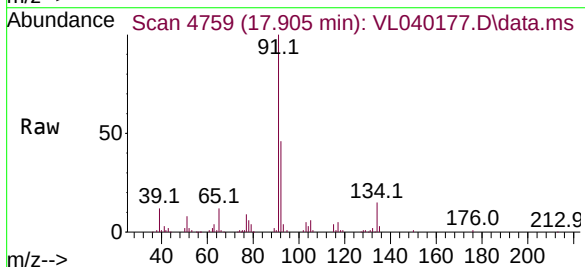
Manual Integrations
APPROVED

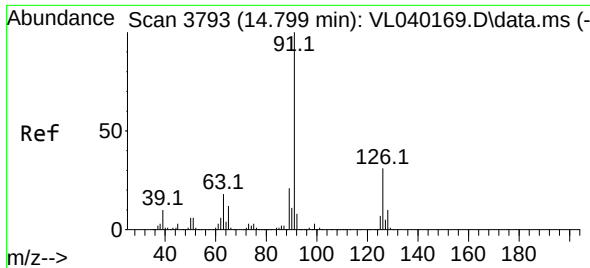
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#70
n-Butylbenzene
Concen: 0.449 ppbv
RT: 17.905 min Scan# 4759
Delta R.T. 0.019 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion: 91 Resp: 155968
Ion Ratio Lower Upper
91 100
92 52.5 43.0 64.6
134 18.8 16.9 25.3





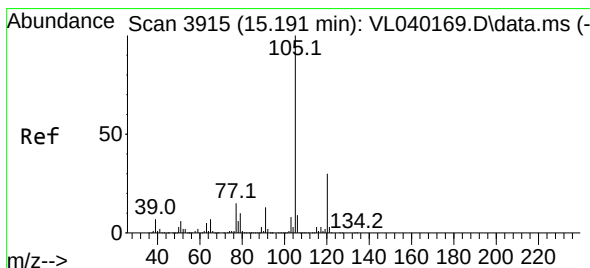
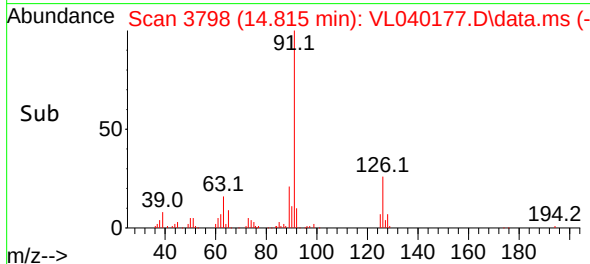
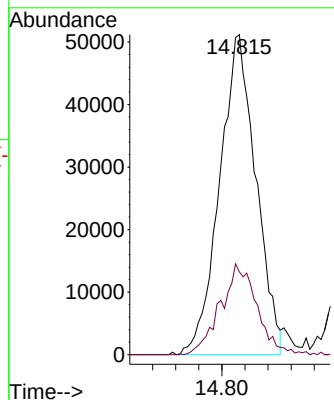
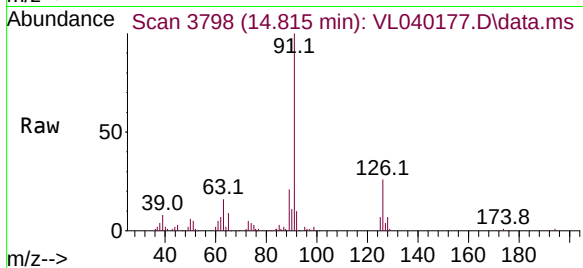
#71
2-Chlorotoluene
Concen: 0.450 ppbv
RT: 14.815 min Scan# 311
Delta R.T. 0.016 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 111719
Ion Ratio Lower Upper
91 100
126 28.6 12.0 48.2

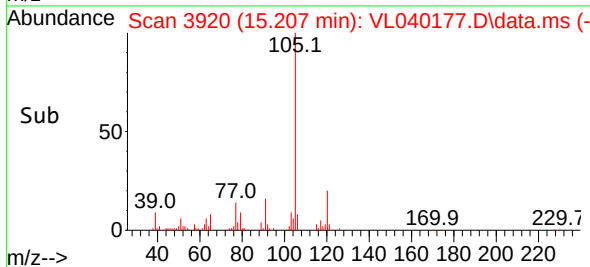
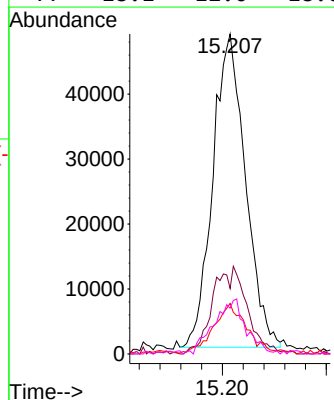
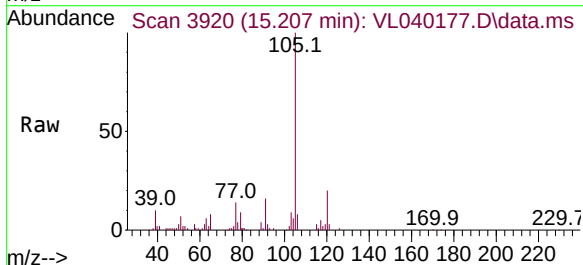
Manual Integrations
APPROVED

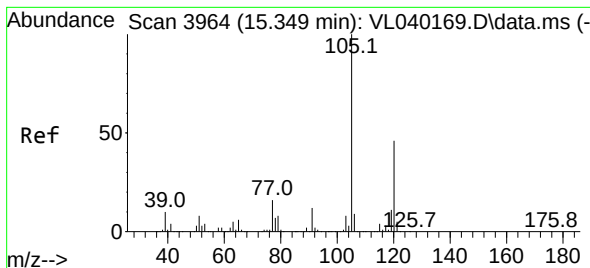
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#72
4-Ethyltoluene
Concen: 0.419 ppbv
RT: 15.207 min Scan# 3920
Delta R.T. 0.016 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

Tgt Ion:105 Resp: 105170
Ion Ratio Lower Upper
105 100
120 30.3 23.2 34.8
91 16.9 11.3 16.9
77 18.1 12.0 18.0#





#73

1,3,5-Trimethylbenzene

Concen: 0.464 ppbv m

RT: 15.368 min Scan# 3964

Delta R.T. 0.019 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:105 Resp: 106580

Ion Ratio Lower Upper

105 100

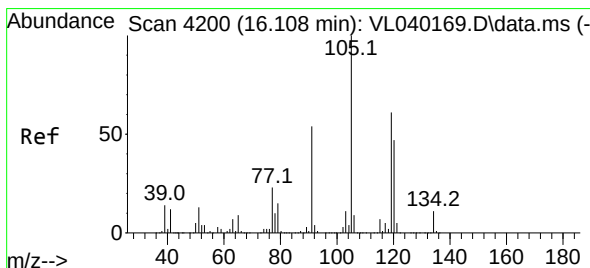
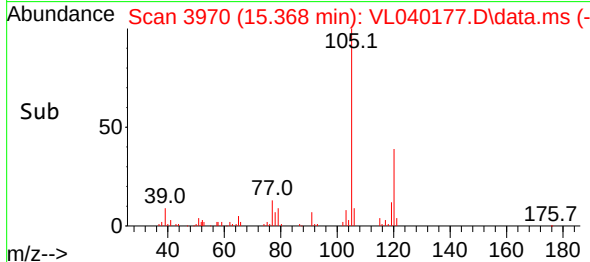
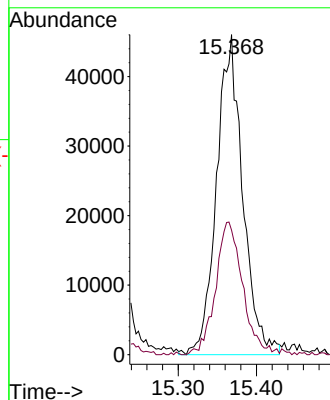
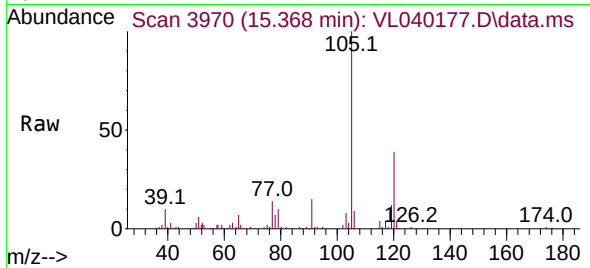
120 38.9 36.8 55.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.482 ppbv

RT: 16.120 min Scan# 4204

Delta R.T. 0.013 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Tgt Ion:105 Resp: 121928

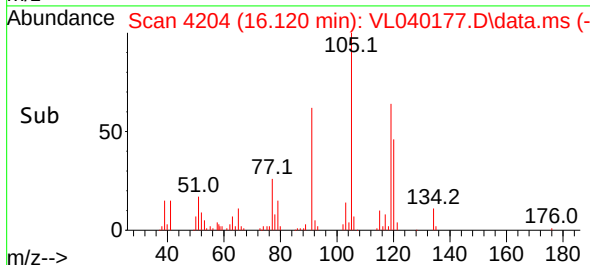
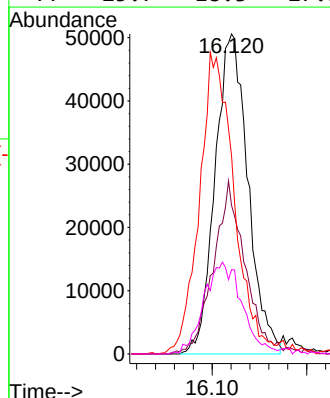
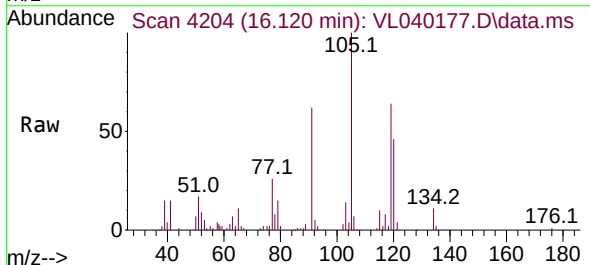
Ion Ratio Lower Upper

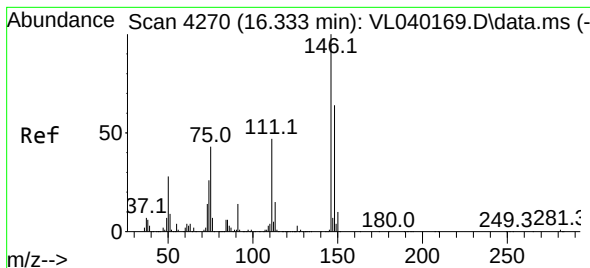
105 100

120 45.7 37.9 56.9

91 58.3 43.7 65.5

77 25.7 18.3 27.5





#75

1,3-Dichlorobenzene

Concen: 0.495 ppbv m

RT: 16.339 min Scan# 4317

Delta R.T. 0.006 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

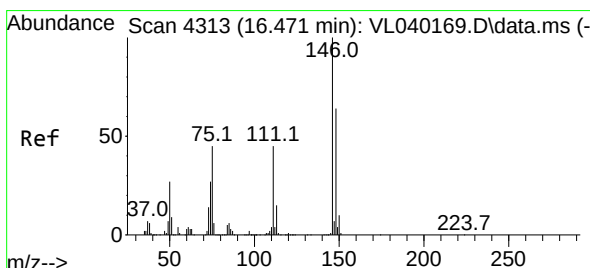
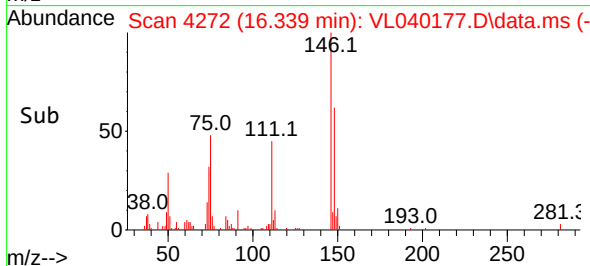
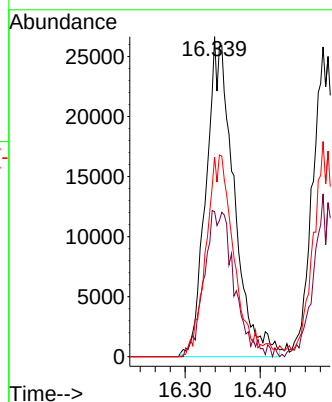
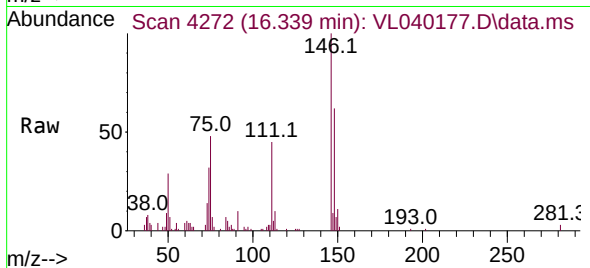
VSTDIC0.5

Tgt Ion:	146	Resp:	6853
Ion Ratio	Lower	Upper	
146	100		
111	0.0	23.9	71.8
148	64.4	32.1	96.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#76

1,4-Dichlorobenzene

Concen: 0.489 ppbv m

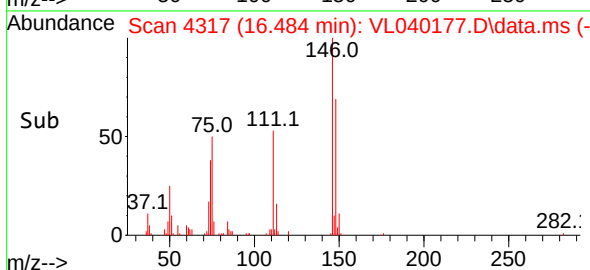
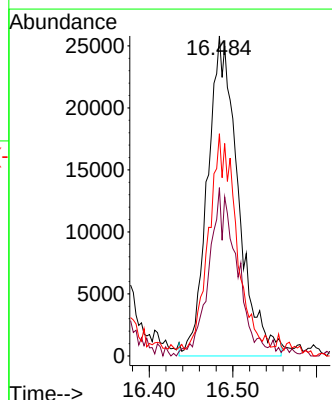
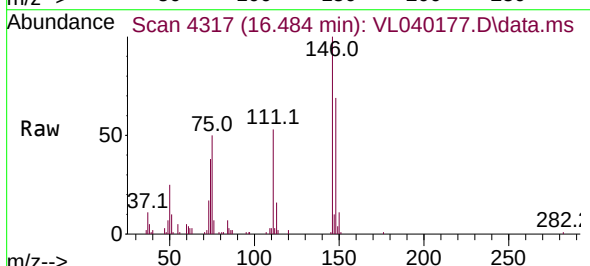
RT: 16.484 min Scan# 4317

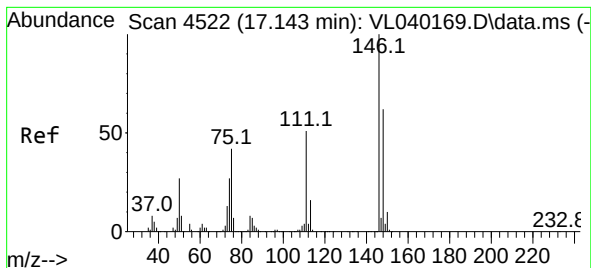
Delta R.T. 0.013 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Tgt Ion:	146	Resp:	65836
Ion Ratio	Lower	Upper	
146	100		
111	49.8	23.5	70.5
148	66.0	32.5	97.4





#77

1,2-Dichlorobenzene

Concen: 0.505 ppbv m

RT: 17.162 min Scan# 4522

Delta R.T. 0.019 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

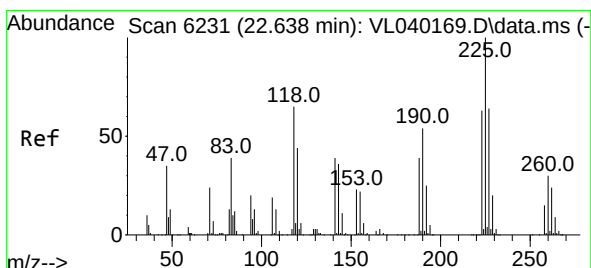
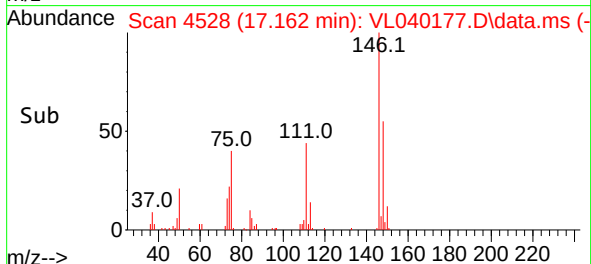
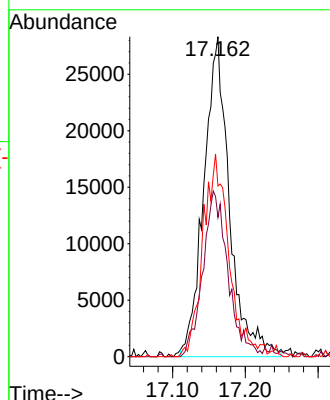
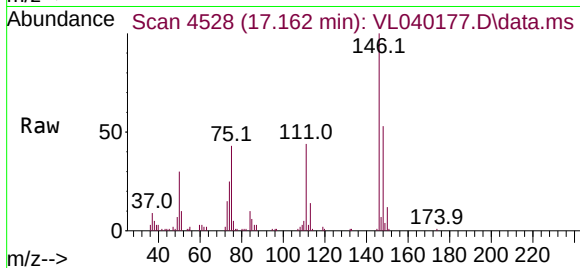
VSTDIC0.5

Tgt Ion:	146	Resp:	69309
Ion Ratio	Lower	Upper	
146	100		
111	50.7	25.3	75.8
148	65.0	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#78

Hexachloro-1,3-Butadiene

Concen: 0.529 ppbv m

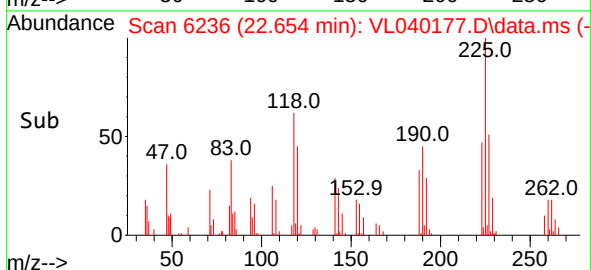
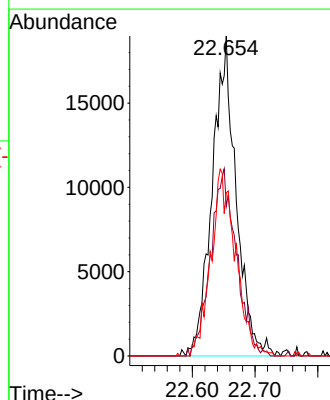
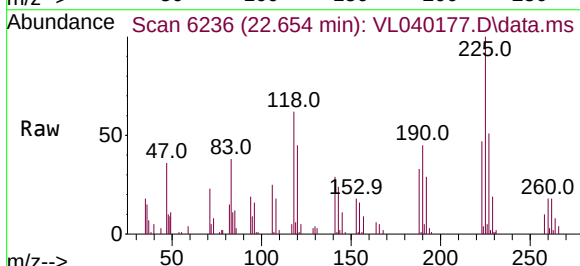
RT: 22.654 min Scan# 6236

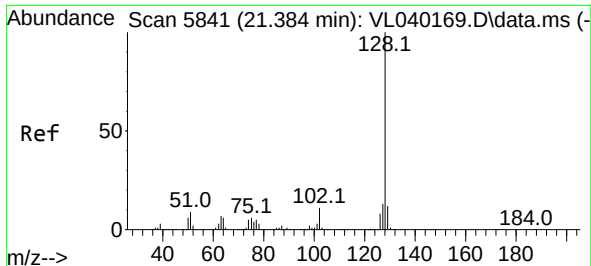
Delta R.T. 0.016 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

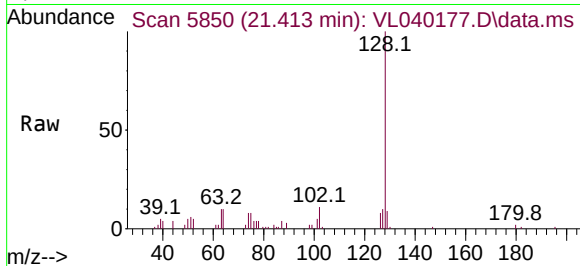
Tgt Ion:	225	Resp:	50306
Ion Ratio	Lower	Upper	
225	100		
223	62.9	51.0	76.6
227	0.0	51.2	76.8#





#79
Naphthalene
Concen: 0.396 ppbv m
RT: 21.413 min Scan# 5850
Delta R.T. 0.029 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48

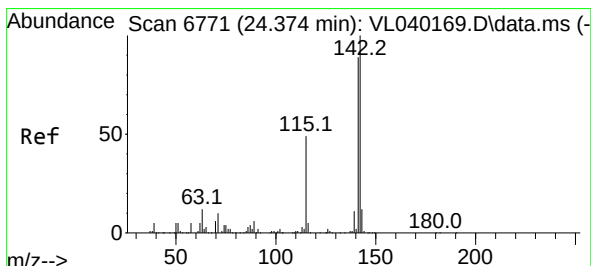
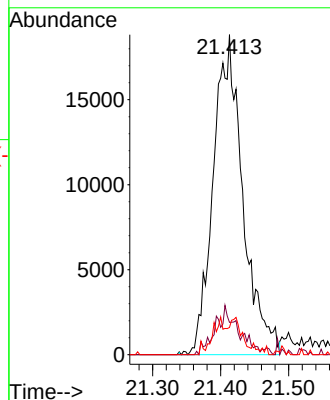
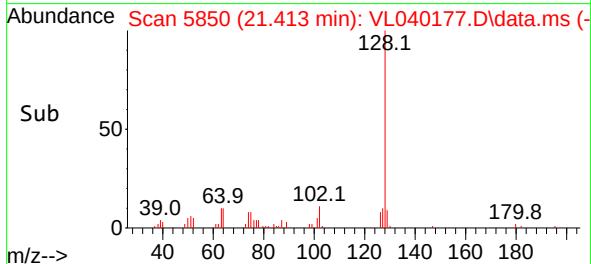
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



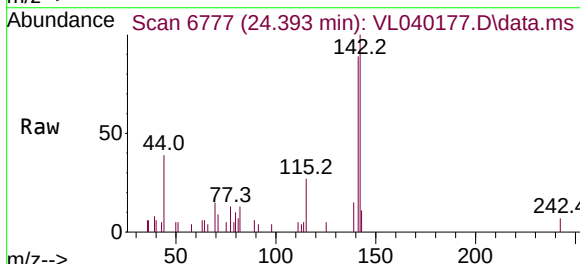
Tgt Ion:128 Resp: 5668
Ion Ratio Lower Upper
128 100
127 10.1 10.2 15.4
129 8.5 9.4 14.0

Manual Integrations
APPROVED

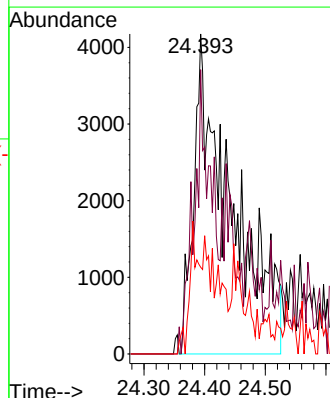
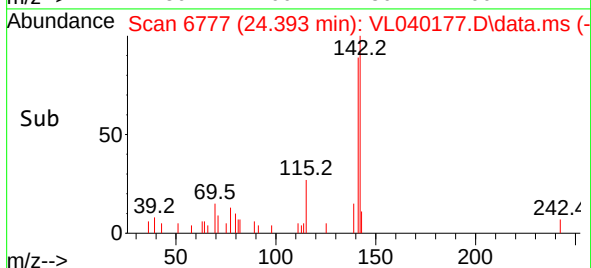
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

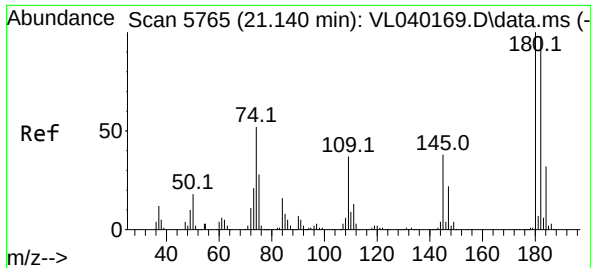


#80
Naphthalene,2-methyl-
Concen: 0.474 ppbv m
RT: 24.393 min Scan# 6777
Delta R.T. 0.019 min
Lab File: VL040177.D
Acq: 15 Feb 2023 15:48



Tgt Ion:142 Resp: 17692
Ion Ratio Lower Upper
142 100
141 41.3 67.3 100.9#
115 22.2 36.5 54.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.427 ppbv m

RT: 21.172 min Scan# 5

Delta R.T. 0.032 min

Lab File: VL040177.D

Acq: 15 Feb 2023 15:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:180 Resp: 38138

Ion Ratio Lower Upper

180 100

182 0.0 79.0 118.6

184 33.4 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023

