

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022323\
 Data File : VL040227.D
 Acq On : 24 Feb 2023 9:54
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/24/2023
 Supervised By : Mahesh Dadoda 02/24/2023

Quant Time: Feb 24 10:38:29 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 : Fri Feb 24 00:45:34 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.172	49	742082	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	1944124	10.000	ppbv	-0.04
55) Chlorobenzene-d5	11.455	117	1828921	10.000	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 1662322 11.053 ppbv -0.04
 Spiked Amount 10.000 Range 65 - 135 Recovery = 110.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	1403611	10.149	ppbv	100
3) Chlorodifluoromethane	2.652	51	965989	10.897	ppbv	99
4) Chloromethane	2.790	50	604545	10.857	ppbv	95
5) Vinyl Chloride	2.896	62	522000	11.666	ppbv	100
6) Bromomethane	3.095	94	174418	10.800	ppbv	98
7) Chloroethane	3.176	64	196734	11.087	ppbv	97
8) Dichlorotetrafluoroethane	2.835	85	1349436	11.323	ppbv	99
9) Propene	2.671	41	393362	10.886	ppbv	98
10) Heptane	7.561	43	1013043	11.779	ppbv	100
11) Trichlorofluoromethane	3.542	101	1377566	11.101	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.044	101	1044735	11.412	ppbv	98
13) Ethanol	3.221	45	24745m	7.438	ppbv	
14) Bromoethene	3.343	108	413585	11.781	ppbv	100
15) Acetone	3.446	43	937227	10.490	ppbv	99
16) 1,3-Butadiene	2.960	39	466580	11.435	ppbv	98
17) tert-Butyl alcohol	3.857	59	933891	11.462	ppbv	100
18) 1,1-Dichloroethene	3.857	96	473350	11.900	ppbv	97
19) Isopropyl Alcohol	3.552	45	427699	10.071	ppbv #	98
20) Methylene Chloride	3.909	84	397177	8.540	ppbv	98
21) Allyl Chloride	3.976	41	648945	11.843	ppbv	99
22) trans-1,2-Dichloroethene	4.423	96	488512	11.860	ppbv	91
23) Vinyl Acetate	4.606	43	313191m	11.551	ppbv	
24) 1,1-Dichloroethane	4.545	63	963270	11.366	ppbv	99
25) Ethyl Acetate	5.185	43	1777597	10.703	ppbv	99
26) Hexane	5.195	57	757342	10.622	ppbv	97
27) Carbon Disulfide	4.102	76	1156841	12.787	ppbv	99
28) Methyl tert-Butyl Ether	4.565	73	850666	11.135	ppbv	98
29) Chloroform	5.256	83	1327960	10.847	ppbv	100
30) Cyclohexane	6.584	84	648978	11.592	ppbv	99
31) cis-1,2-Dichloroethene	5.057	61	724642	10.697	ppbv	97
32) 1,1,1-Trichloroethane	5.986	97	1346215	11.704	ppbv	99
34) 2-Butanone	4.764	43	1036259	10.806	ppbv	99
35) Carbon Tetrachloride	6.475	117	1420712	12.361	ppbv	99
36) Benzene	6.356	78	1633919	10.800	ppbv	98
37) 1,2-Dichloroethane	5.790	62	1039507	10.986	ppbv	99
38) Trichloroethene	7.275	130	977346	11.723	ppbv	98
39) 1,2-Dichloropropane	7.057	63	632581	10.748	ppbv	97
40) 1,4-Dioxane	7.269	88	230965	9.810	ppbv	74
41) Tetrahydrofuran	5.539	42	620630	11.167	ppbv	99
42) Bromodichloromethane	7.233	83	1503363	11.511	ppbv	99
43) Methyl Methacrylate	7.458	69	658928	11.770	ppbv	99
44) 2,2,4-Trimethylpentane	7.311	57	2789132	11.044	ppbv	99
45) t-1,3-Dichloropropene	8.696	75	622086	12.527	ppbv	98

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

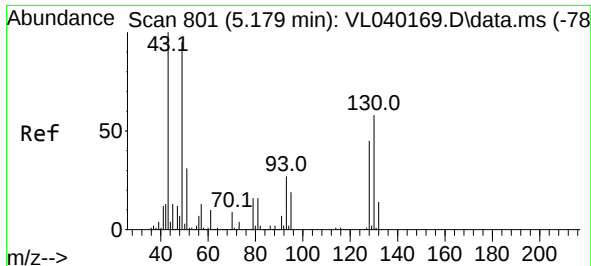
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Feb 24 00:45:34 2023

Response via : Initial Calibration

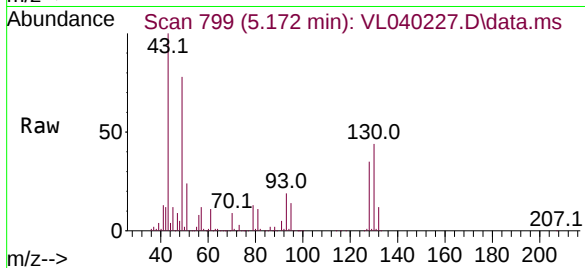
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	853518	12.337	ppbv	99
47) 1,1,2-Trichloroethane	8.883	97	695521	10.926	ppbv	98
48) Dibromochloromethane	9.696	129	1206345	11.848	ppbv	100
49) Bromoform	12.397	173	940737	11.837	ppbv	99
50) 4-Methyl-2-Pentanone	8.166	43	1740891	11.691	ppbv	99
51) 2-Hexanone	9.536	43	1345793	11.752	ppbv #	99
52) Tetrachloroethene	10.600	164	548824	11.617	ppbv	99
53) Toluene	9.208	91	1874804	11.569	ppbv	99
54) 1,2-Dibromoethane	9.992	107	771207	11.644	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.497	131	867981	11.306	ppbv	96
57) Chlorobenzene	11.513	112	1454019	10.882	ppbv	99
58) Ethyl Benzene	12.076	91	2595864	11.682	ppbv	98
59) m/p-Xylene	12.359	91	4515305m	22.942	ppbv	
60) o-Xylene	13.047	91	2198717	11.610	ppbv	100
61) Styrene	12.886	104	1214443	12.214	ppbv	99
62) Isopropylbenzene	14.021	105	3079093	11.327	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	727751	10.664	ppbv	100
64) n-propylbenzene	14.902	120	764301	11.360	ppbv	93
65) tert-Butylbenzene	16.082	119	2668340m	11.292	ppbv	
66) Benzyl Chloride	16.320	91	168301	10.703	ppbv	99
67) sec-Butylbenzene	16.625	105	3809230	11.241	ppbv	99
69) p-Isopropyltoluene	16.985	119	3007123	11.193	ppbv	100
70) n-Butylbenzene	17.876	91	3285199	11.266	ppbv	99
71) 2-Chlorotoluene	14.789	91	2340485	11.258	ppbv	99
72) 4-Ethyltoluene	15.182	105	2457548	11.739	ppbv	99
73) 1,3,5-Trimethylbenzene	15.342	105	2188689	11.235	ppbv	98
74) 1,2,4-Trimethylbenzene	16.098	105	2369646	11.075	ppbv	99
75) 1,3-Dichlorobenzene	16.323	146	1260610	10.765	ppbv	99
76) 1,4-Dichlorobenzene	16.461	146	1232530	10.741	ppbv	99
77) 1,2-Dichlorobenzene	17.133	146	1208318	10.388	ppbv	99
78) Hexachloro-1,3-Butadiene	22.625	225	817174m	10.226	ppbv	
79) Naphthalene	21.378	128	1634344	13.596	ppbv	98
80) Naphthalene,2-methyl-	24.368	142	355768	10.408	ppbv	99
81) 1,2,4-Trichlorobenzene	21.127	180	882941	11.737	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.172 min Scan# 74
Delta R.T. -0.033 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

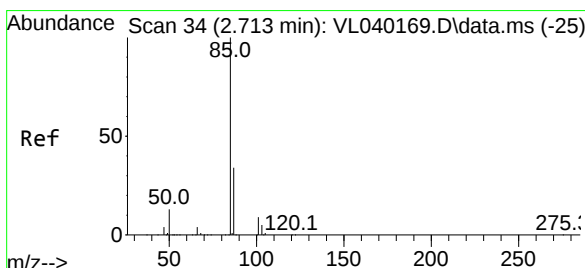
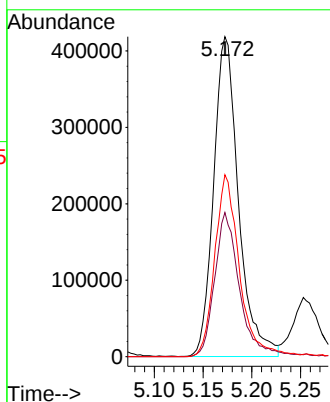
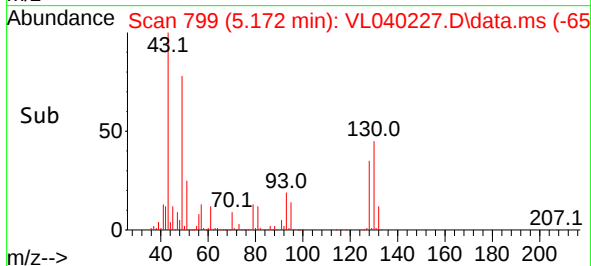
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



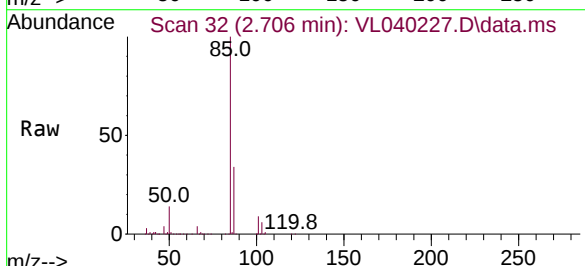
Tgt Ion: 49 Resp: 74208
Ion Ratio Lower Upper
49 100
128 45.9 24.1 72.3
130 57.2 30.9 92.8

Manual Integrations
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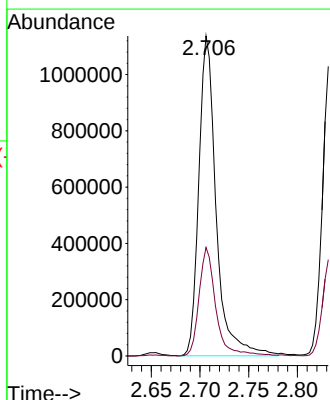
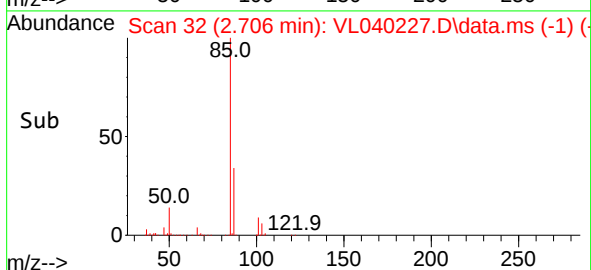
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

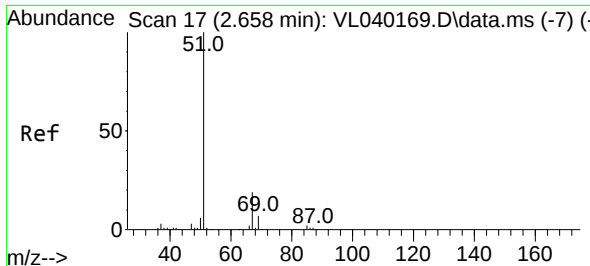


#2
Dichlorodifluoromethane
Concen: 10.149 ppbv
RT: 2.706 min Scan# 32
Delta R.T. -0.023 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54



Tgt Ion: 85 Resp: 1403611
Ion Ratio Lower Upper
85 100
87 33.9 27.0 40.6





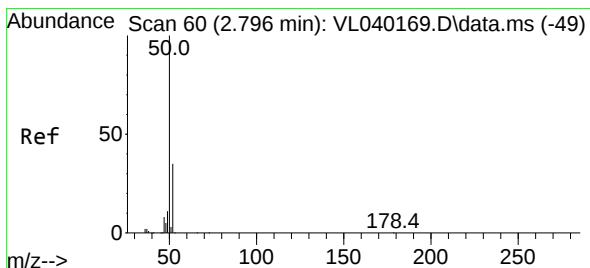
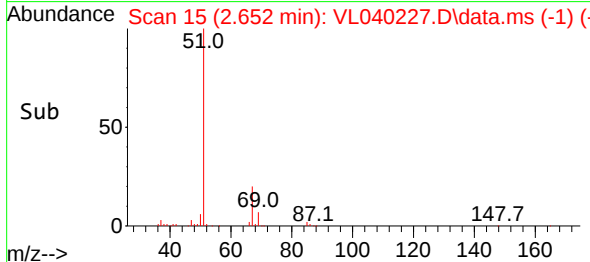
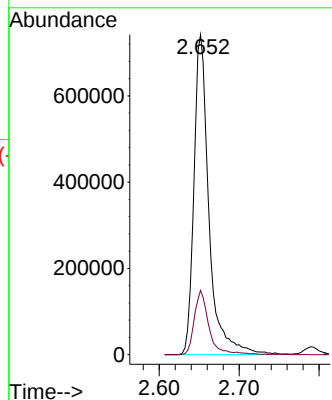
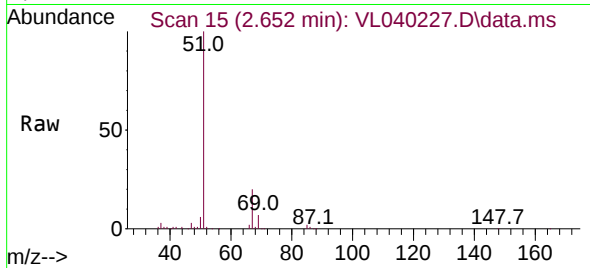
#3
Chlorodifluoromethane
Concen: 10.897 ppbv
RT: 2.652 min Scan# 11
Delta R.T. -0.023 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 51 Resp: 965989
Ion Ratio Lower Upper
51 100
67 19.8 15.4 23.2

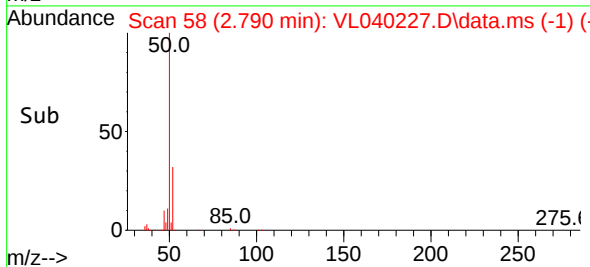
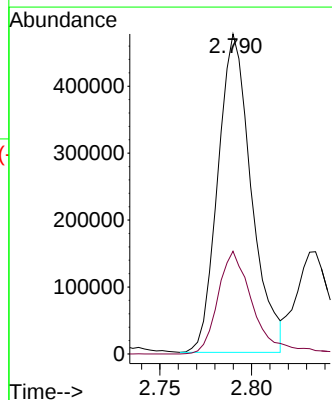
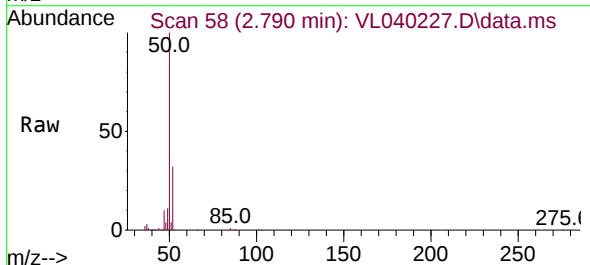
Manual Integrations
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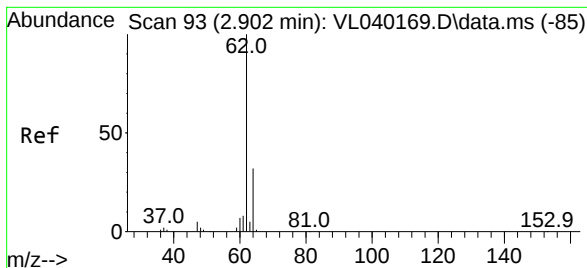
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#4
Chloromethane
Concen: 10.857 ppbv
RT: 2.790 min Scan# 58
Delta R.T. -0.023 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

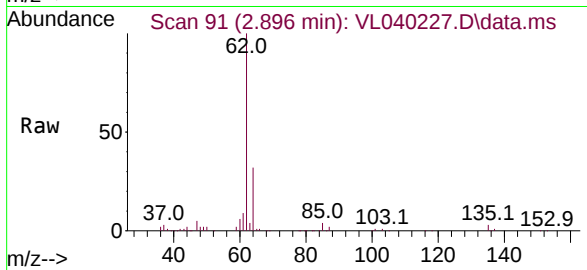
Tgt Ion: 50 Resp: 604545
Ion Ratio Lower Upper
50 100
52 32.3 28.3 42.5





#5
 Vinyl Chloride
 Concen: 11.666 ppbv
 RT: 2.896 min Scan# 91
 Delta R.T. -0.026 min
 Lab File: VL040227.D
 Acq: 24 Feb 2023 9:54

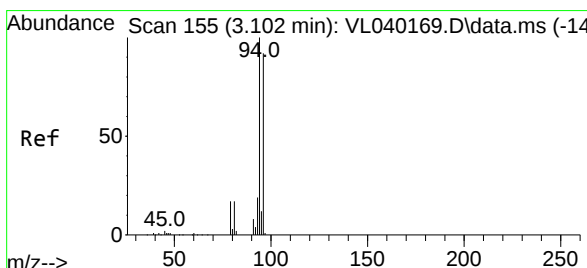
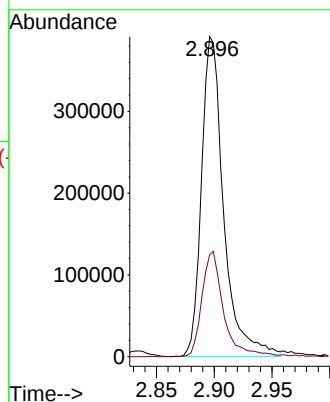
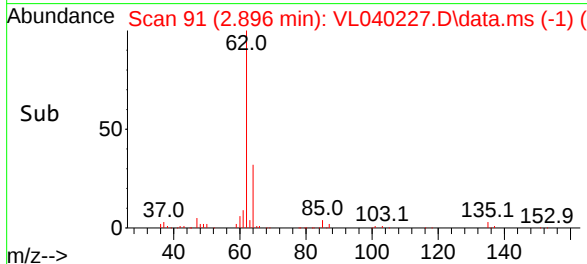
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



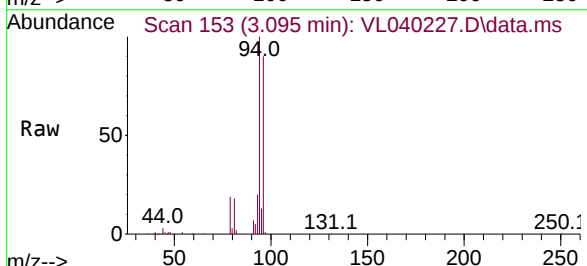
Tgt Ion: 62 Resp: 522000
 Ion Ratio Lower Upper
 62 100
 64 31.8 25.6 38.4

Manual Integrations
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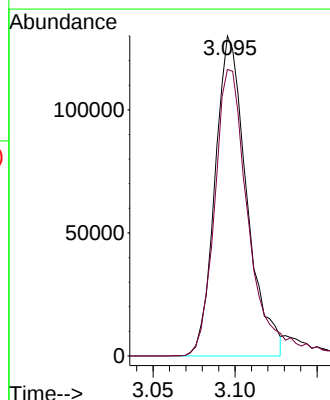
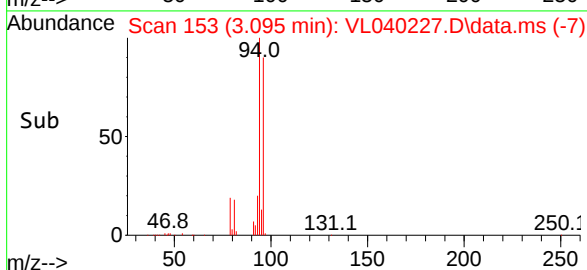
Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023



#6
 Bromomethane
 Concen: 10.800 ppbv
 RT: 3.095 min Scan# 153
 Delta R.T. -0.029 min
 Lab File: VL040227.D
 Acq: 24 Feb 2023 9:54



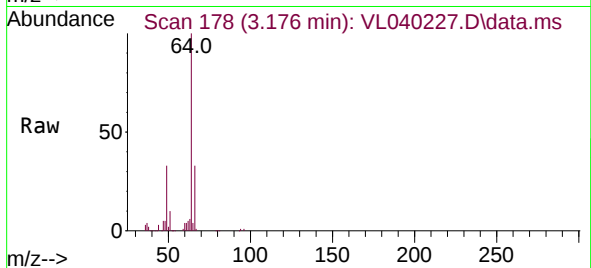
Tgt Ion: 94 Resp: 174418
 Ion Ratio Lower Upper
 94 100
 96 89.4 73.4 110.2





#7
Chloroethane
Concen: 11.087 ppbv
RT: 3.176 min Scan# 11
Delta R.T. -0.023 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

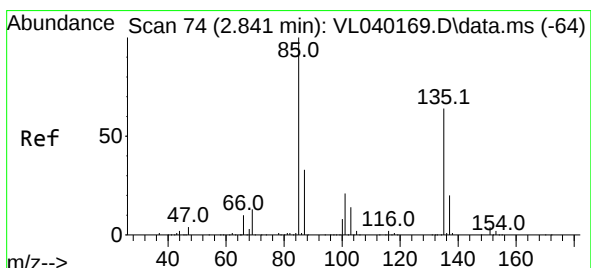
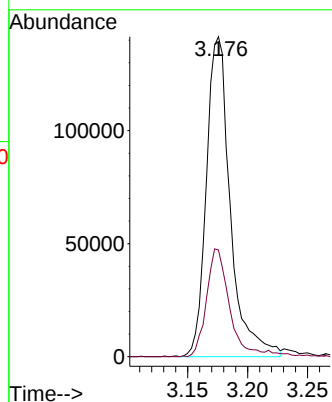
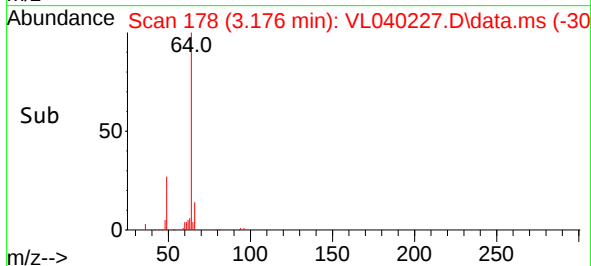
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 64 Resp: 196734
Ion Ratio Lower Upper
64 100
66 33.4 25.4 38.2

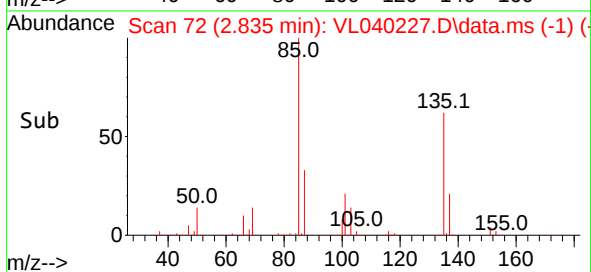
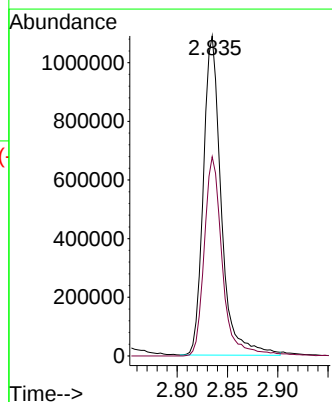
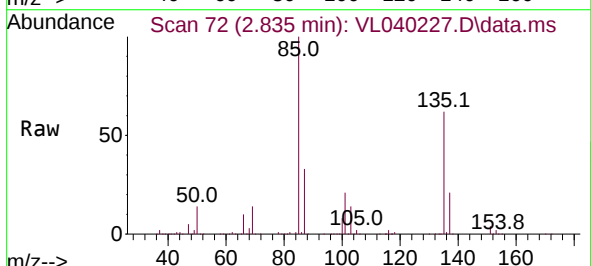
Manual Integrations
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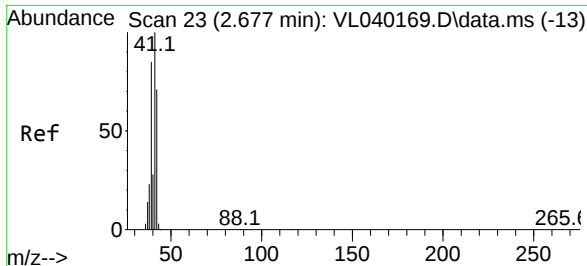
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#8
Dichlorotetrafluoroethane
Concen: 11.323 ppbv
RT: 2.835 min Scan# 72
Delta R.T. -0.023 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

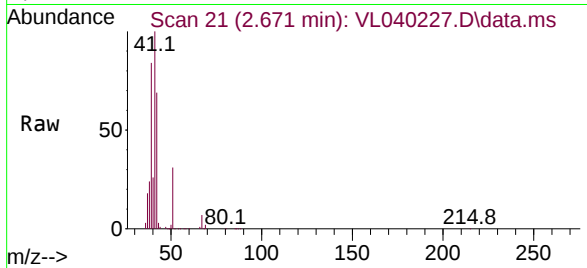
Tgt Ion: 85 Resp: 1349436
Ion Ratio Lower Upper
85 100
135 63.7 51.5 77.3





#9
 Propene
 Concen: 10.886 ppbv
 RT: 2.671 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: VL040227.D
 Acq: 24 Feb 2023 9:54

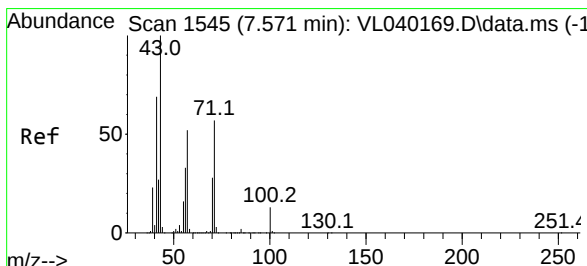
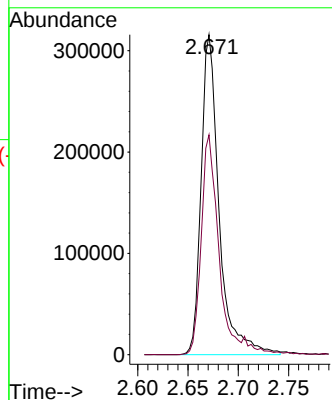
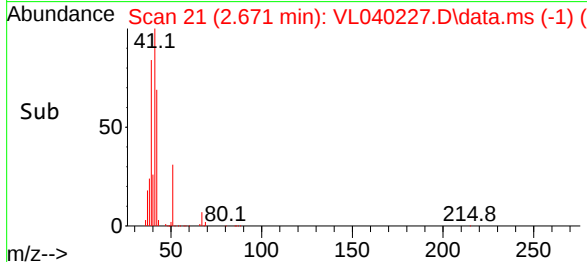
Instrument :
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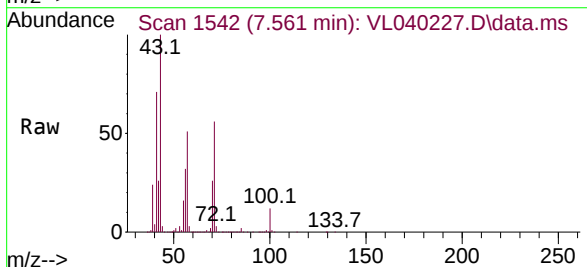
Tgt Ion: 41 Resp: 393362
 Ion Ratio Lower Upper
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 42 69.2 56.9 85.3

Manual Integrations
 APPROVED

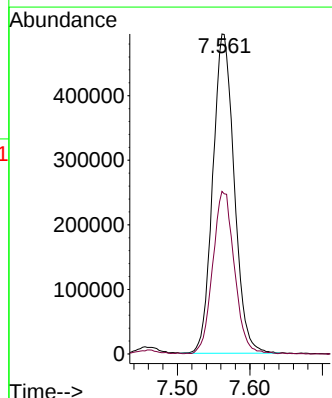
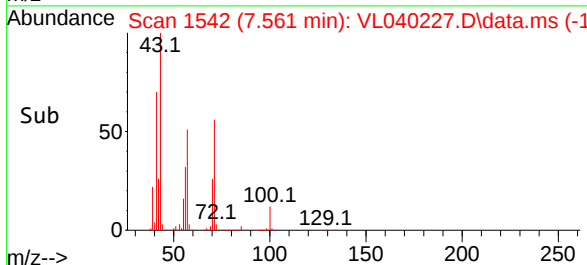
Reviewed By :Semsettin Yesilyurt 02/24/2023
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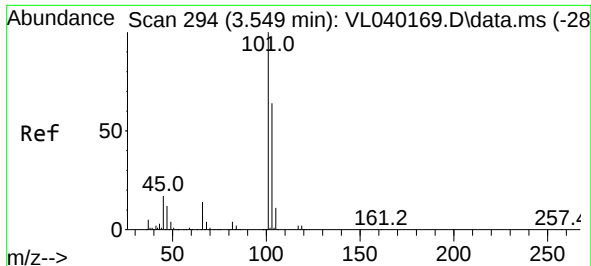


#10
 Heptane
 Concen: 11.779 ppbv
 RT: 7.561 min Scan# 1542
 Delta R.T. -0.042 min
 Lab File: VL040227.D
 Acq: 24 Feb 2023 9:54



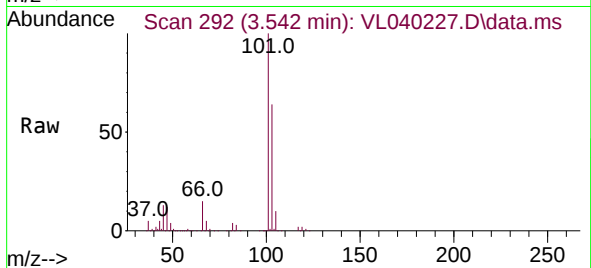
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 Ion Ratio Lower Upper
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 57 51.9 41.4 62.2





#11
 Trichlorofluoromethane
 Concen: 11.101 ppbv
 RT: 3.542 min Scan# 294
 Delta R.T. -0.026 min
 Lab File: VL040227.D
 Acq: 24 Feb 2023 9:54

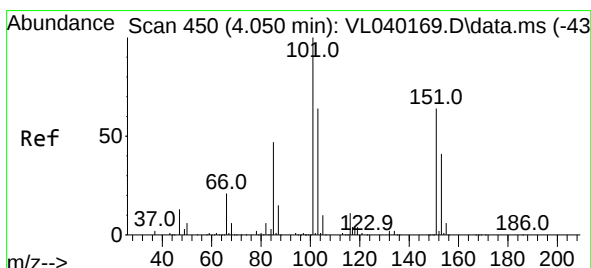
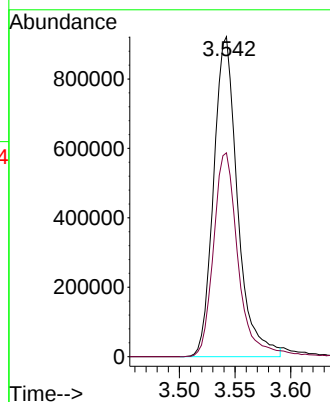
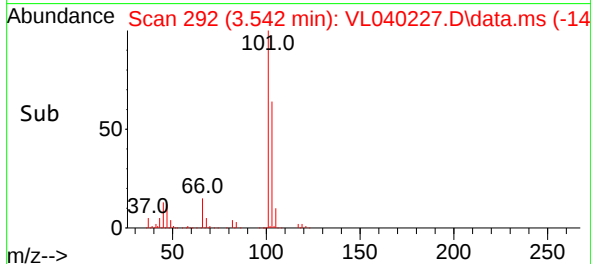
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion:101 Resp: 1377560
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.0 76.6

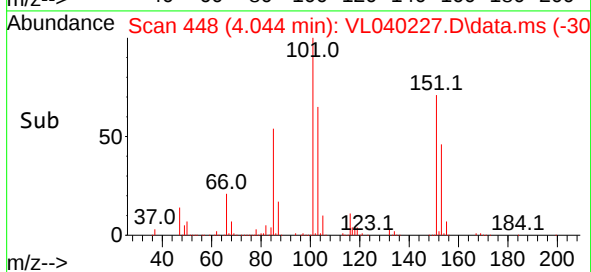
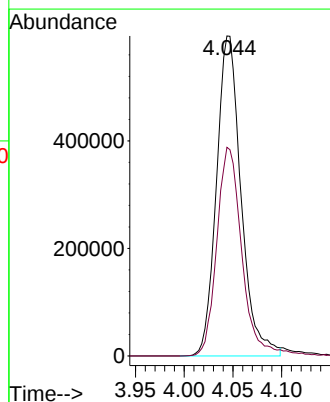
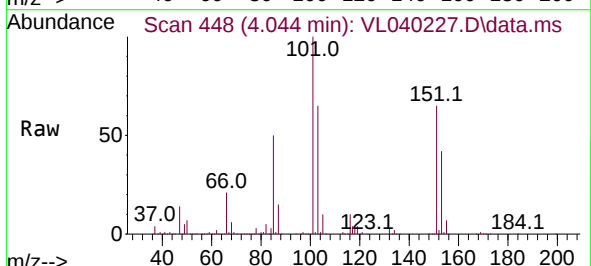
Manual Integrations
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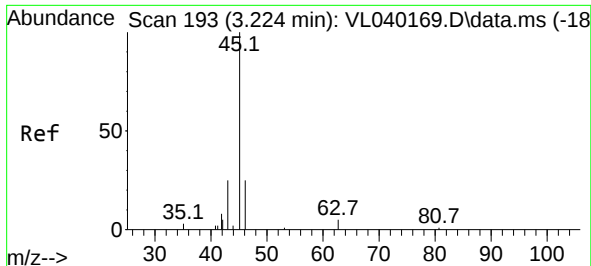
Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.412 ppbv
 RT: 4.044 min Scan# 448
 Delta R.T. -0.029 min
 Lab File: VL040227.D
 Acq: 24 Feb 2023 9:54

Tgt Ion:101 Resp: 1044735
 Ion Ratio Lower Upper
 101 100
 151 67.0 54.7 82.1





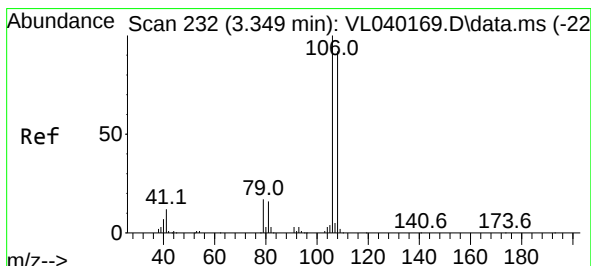
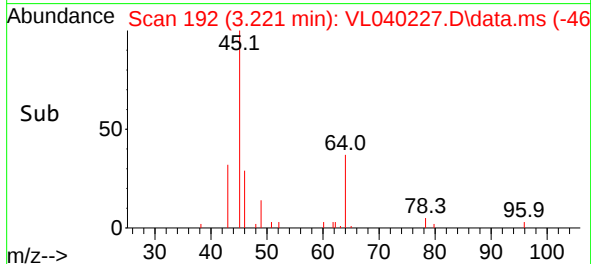
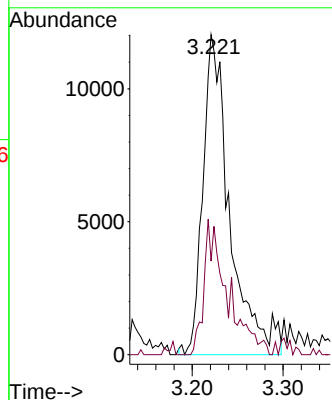
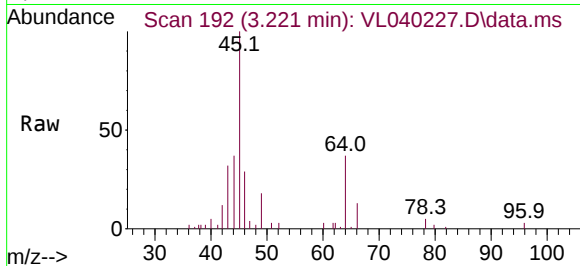
#13
Ethanol
Concen: 7.438 ppbv m
RT: 3.221 min Scan# 193
Delta R.T. -0.029 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 24745
Ion Ratio Lower Upper
45 100
46 37.4 13.3 53.1

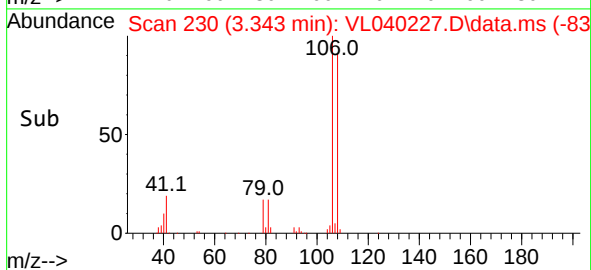
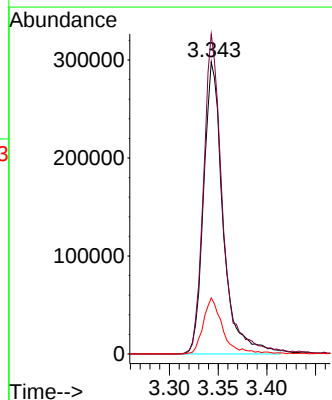
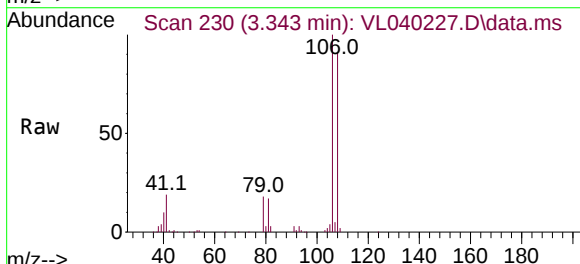
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#14
Bromoethene
Concen: 11.781 ppbv
RT: 3.343 min Scan# 230
Delta R.T. -0.026 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

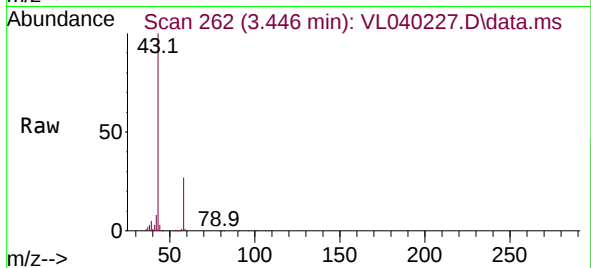
Tgt Ion:108 Resp: 413585
Ion Ratio Lower Upper
108 100
106 108.7 87.1 130.7
79 19.5 15.4 23.2





#15
Acetone
Concen: 10.490 ppbv
RT: 3.446 min Scan# 20
Delta R.T. -0.026 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

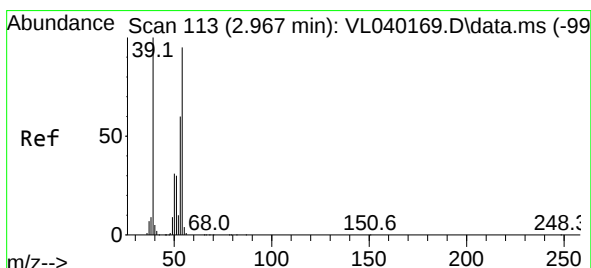
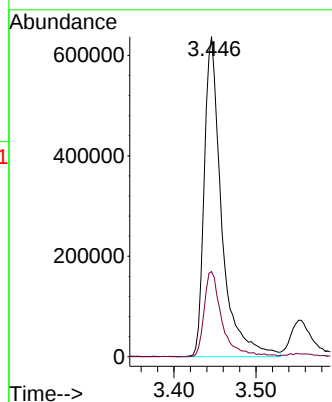
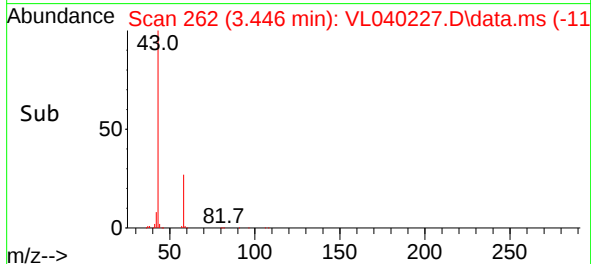
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 43 Resp: 93722
Ion Ratio Lower Upper
43 100
58 27.5 22.4 33.6

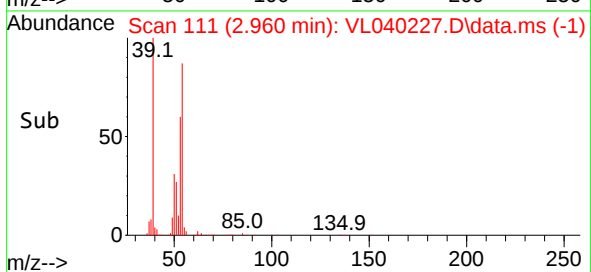
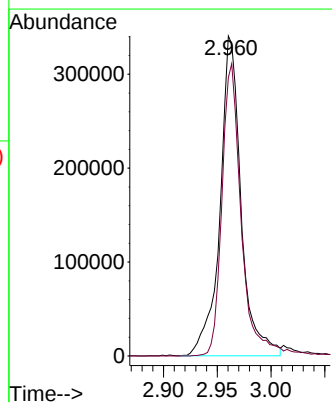
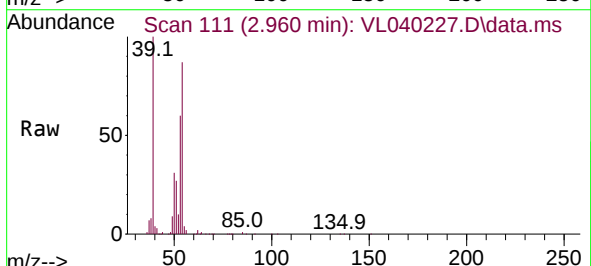
Manual Integrations
APPROVED

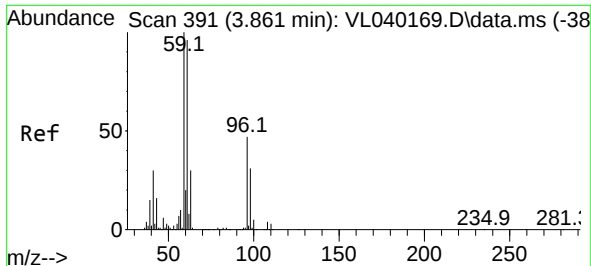
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#16
1,3-Butadiene
Concen: 11.435 ppbv
RT: 2.960 min Scan# 111
Delta R.T. -0.026 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

Tgt Ion: 39 Resp: 466580
Ion Ratio Lower Upper
39 100
54 85.1 66.7 100.1





#17

tert-Butyl alcohol

Concen: 11.462 ppbv

RT: 3.857 min Scan# 390

Delta R.T. -0.029 min

Lab File: VL040227.D

Acq: 24 Feb 2023 9:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 59 Resp: 93389

Ion Ratio Lower Upper

59 100

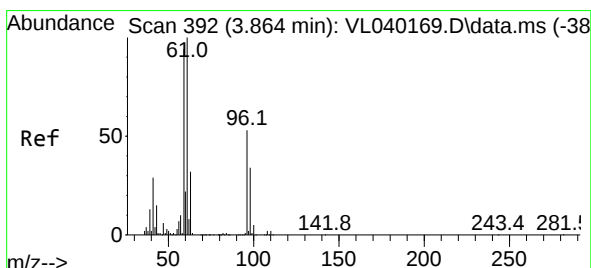
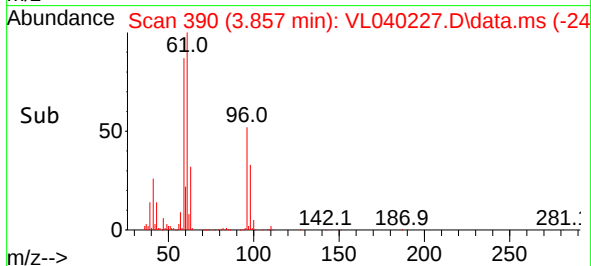
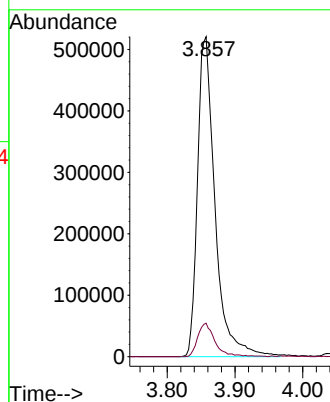
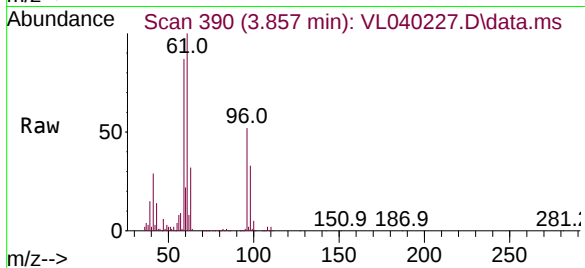
57 10.4 8.5 12.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#18

1,1-Dichloroethene

Concen: 11.900 ppbv

RT: 3.857 min Scan# 390

Delta R.T. -0.029 min

Lab File: VL040227.D

Acq: 24 Feb 2023 9:54

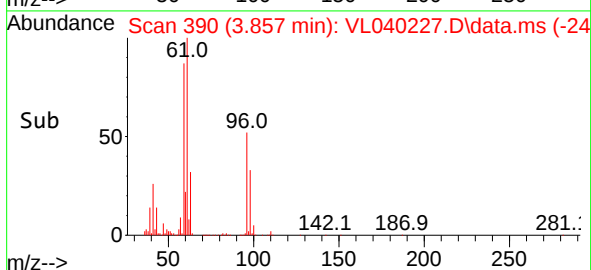
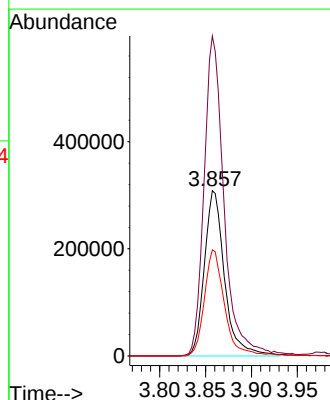
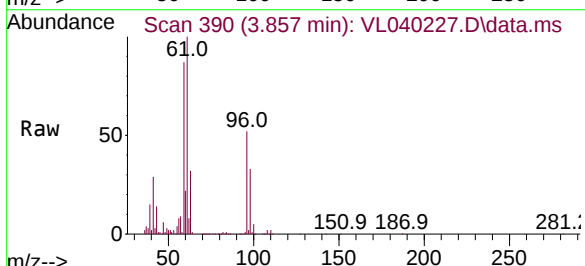
Tgt Ion: 96 Resp: 473350

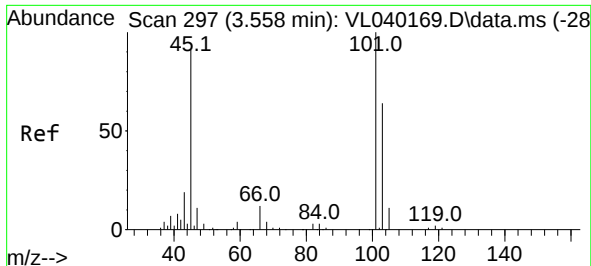
Ion Ratio Lower Upper

96 100

61 193.6 149.6 224.4

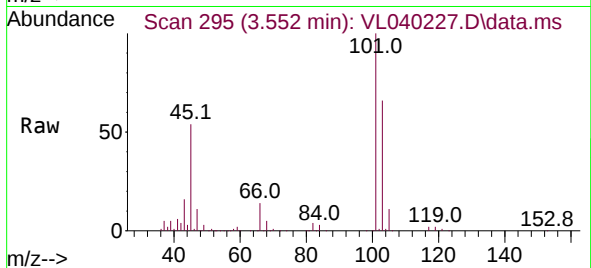
98 64.2 51.1 76.7





#19
Isopropyl Alcohol
Concen: 10.071 ppbv
RT: 3.552 min Scan# 297
Delta R.T. -0.029 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

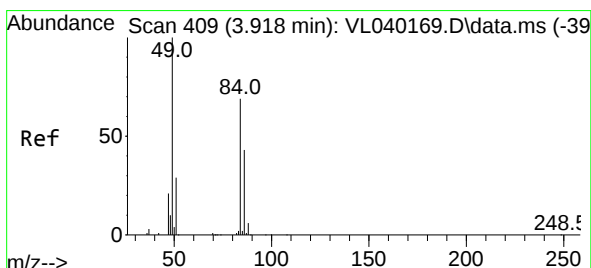
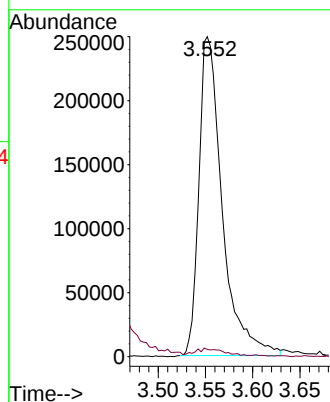
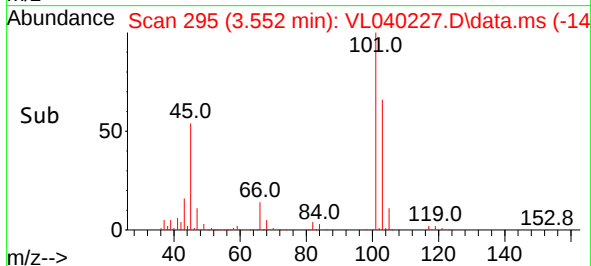
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



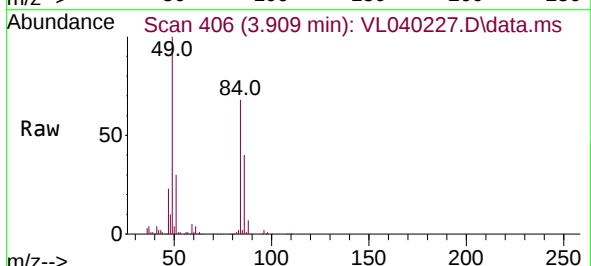
Tgt Ion: 45 Resp: 427699
Ion Ratio Lower Upper
45 100
58 3.9 2.6 3.8

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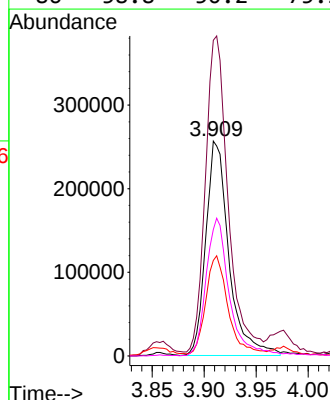
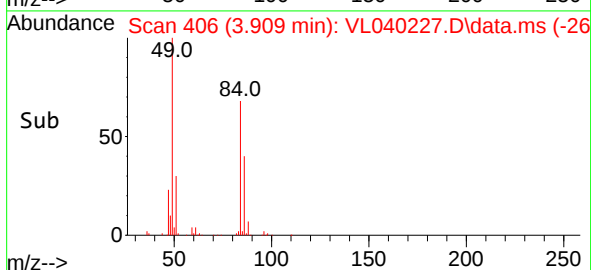
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

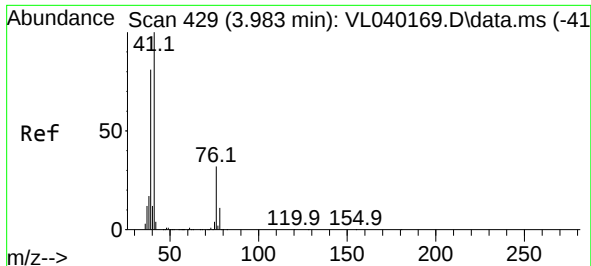


#20
Methylene Chloride
Concen: 8.540 ppbv
RT: 3.909 min Scan# 406
Delta R.T. -0.029 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54



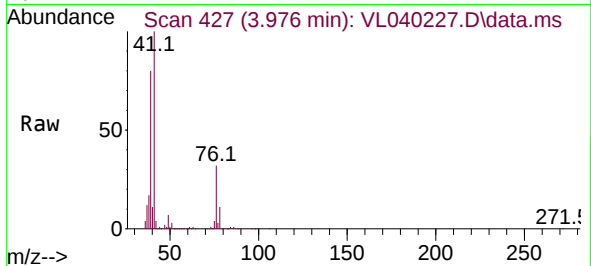
Tgt Ion: 84 Resp: 397177
Ion Ratio Lower Upper
84 100
49 145.1 115.5 173.3
51 43.4 33.1 49.7
86 58.8 50.2 75.2





#21
 Allyl Chloride
 Concen: 11.843 ppbv
 RT: 3.976 min Scan# 41
 Delta R.T. -0.026 min
 Lab File: VL040227.D
 Acq: 24 Feb 2023 9:54

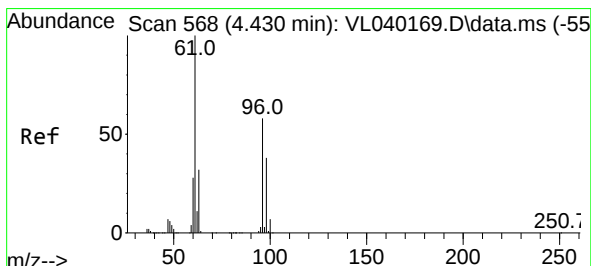
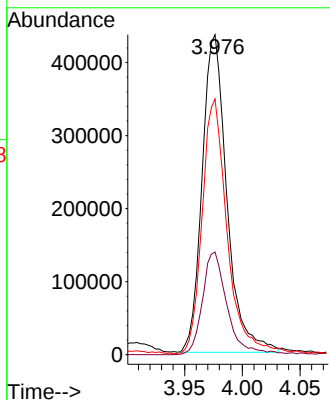
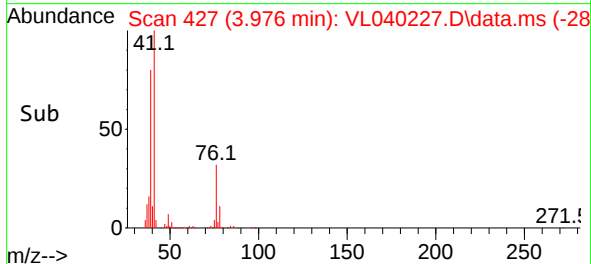
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion: 41 Resp: 648945
 Ion Ratio Lower Upper
 41 100
 76 32.5 25.5 38.3
 39 81.6 64.5 96.7

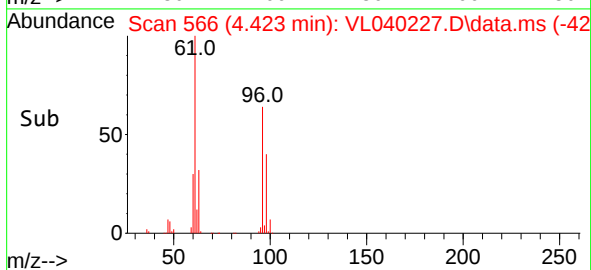
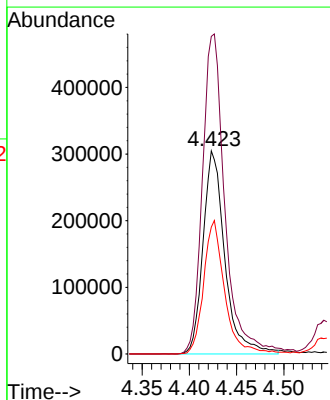
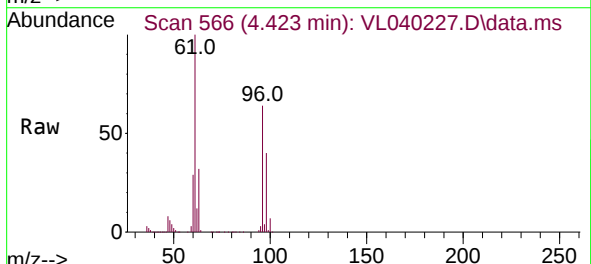
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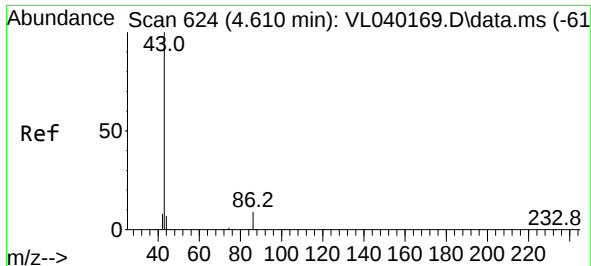
Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023



#22
 trans-1,2-Dichloroethene
 Concen: 11.860 ppbv
 RT: 4.423 min Scan# 566
 Delta R.T. -0.032 min
 Lab File: VL040227.D
 Acq: 24 Feb 2023 9:54

Tgt Ion: 96 Resp: 488512
 Ion Ratio Lower Upper
 96 100
 61 156.3 137.5 206.3
 98 62.4 52.8 79.2





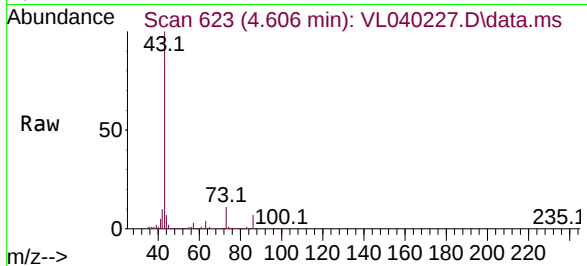
#23
 Vinyl Acetate
 Concen: 11.551 ppbv m
 RT: 4.606 min Scan# 61
 Delta R.T. -0.032 min
 Lab File: VL040227.D
 Acq: 24 Feb 2023 9:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

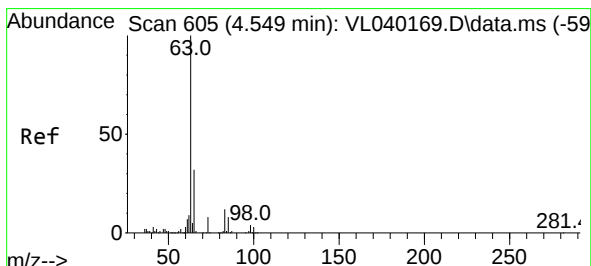
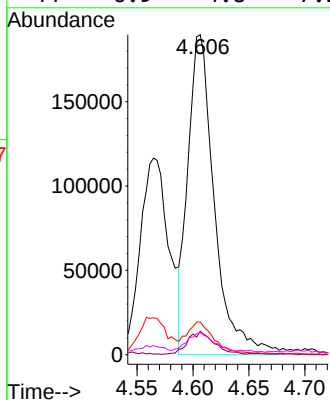
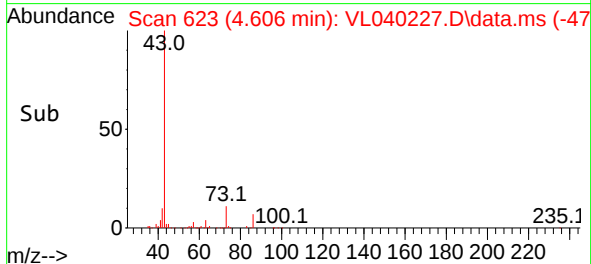


Tgt Ion: 43 Resp: 31319
 Ion Ratio Lower Upper
 43 100
 86 7.3 5.6 8.4
 42 10.3 7.6 11.4
 44 6.9 4.8 7.2

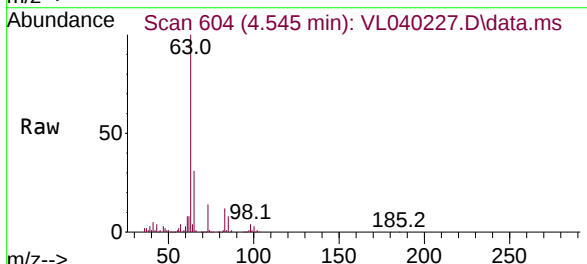
Manual Integrations

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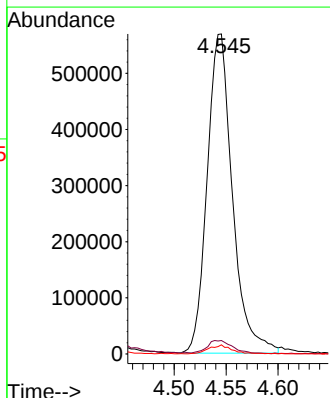
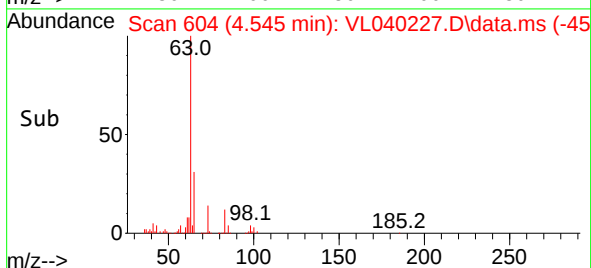
Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023

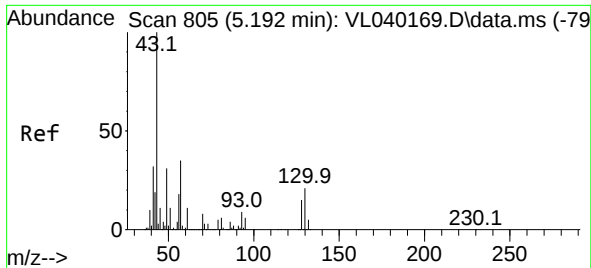


#24
 1,1-Dichloroethane
 Concen: 11.366 ppbv
 RT: 4.545 min Scan# 604
 Delta R.T. -0.029 min
 Lab File: VL040227.D
 Acq: 24 Feb 2023 9:54



Tgt Ion: 63 Resp: 963270
 Ion Ratio Lower Upper
 63 100
 98 4.0 2.3 6.8
 100 2.8 1.4 4.0





#25

Ethyl Acetate

Concen: 10.703 ppbv

RT: 5.185 min Scan# 803

Delta R.T. -0.032 min

Lab File: VL040227.D

Acq: 24 Feb 2023 9:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 177759

Ion Ratio Lower Upper

43 100

45 10.6 8.3 12.5

61 10.2 8.4 12.6

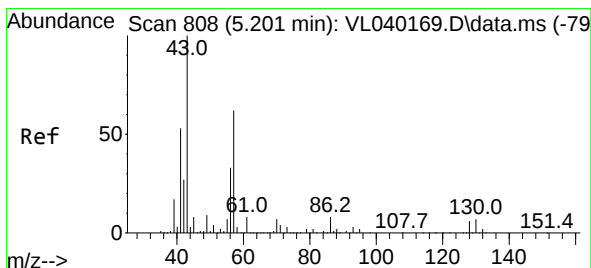
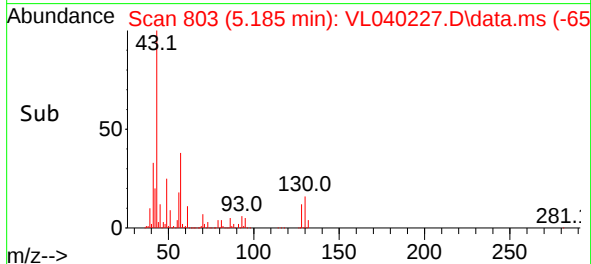
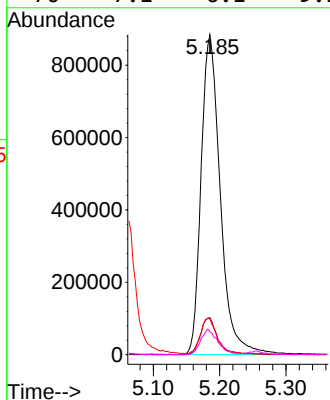
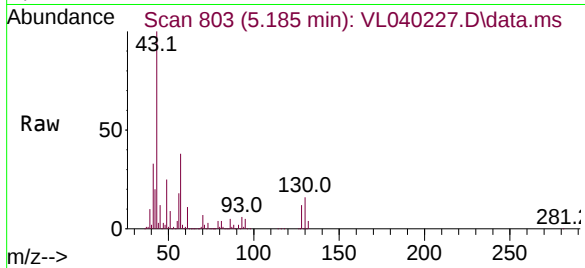
70 7.1 6.1 9.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#26

Hexane

Concen: 10.622 ppbv

RT: 5.195 min Scan# 806

Delta R.T. -0.029 min

Lab File: VL040227.D

Acq: 24 Feb 2023 9:54

Tgt Ion: 57 Resp: 757342

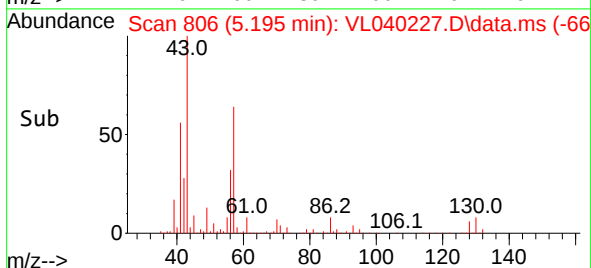
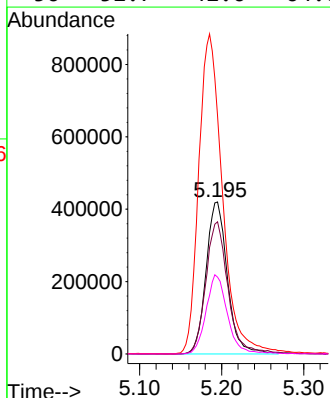
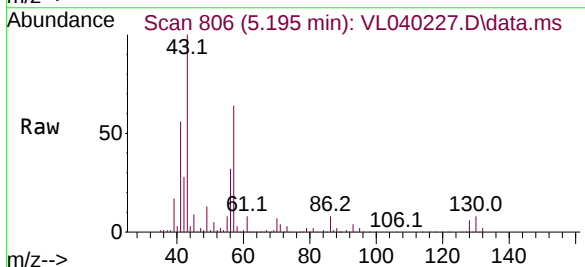
Ion Ratio Lower Upper

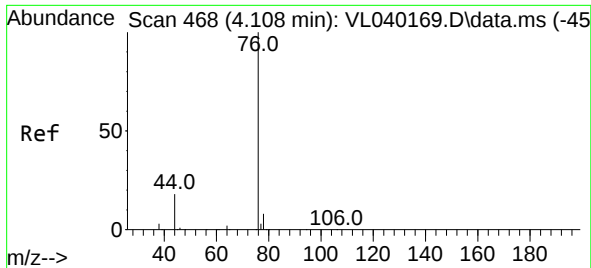
57 100

41 91.3 74.3 111.5

43 235.5 193.0 289.4

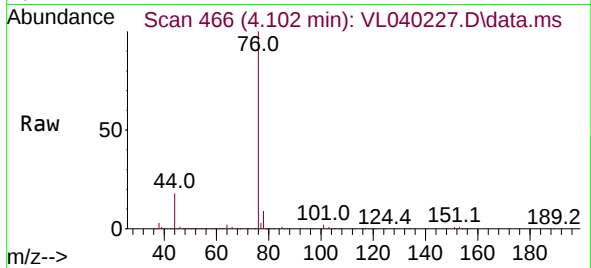
56 52.7 42.6 64.0





#27
Carbon Disulfide
Concen: 12.787 ppbv
RT: 4.102 min Scan# 41
Delta R.T. -0.029 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

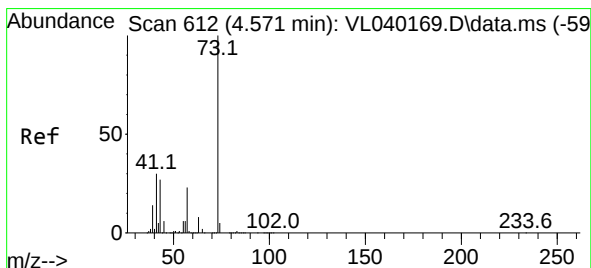
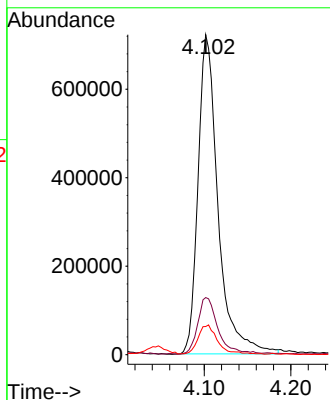
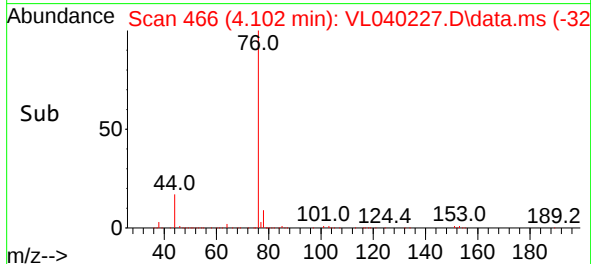
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 76 Resp: 115684
Ion Ratio Lower Upper
76 100
44 18.2 15.3 22.9
78 9.7 7.7 11.5

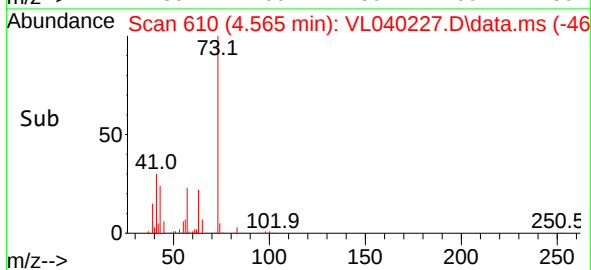
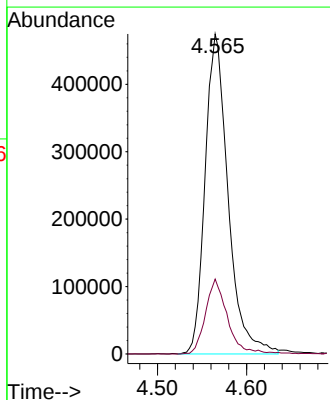
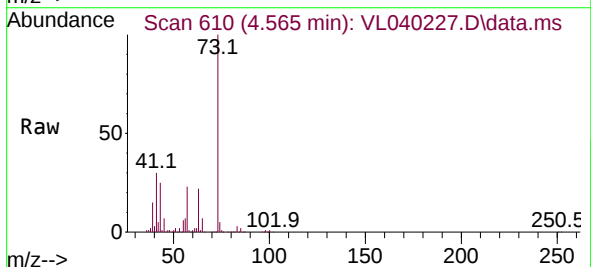
Manual Integrations
APPROVED

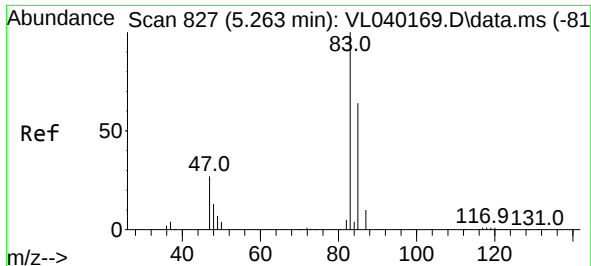
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#28
Methyl tert-Butyl Ether
Concen: 11.135 ppbv
RT: 4.565 min Scan# 610
Delta R.T. -0.032 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

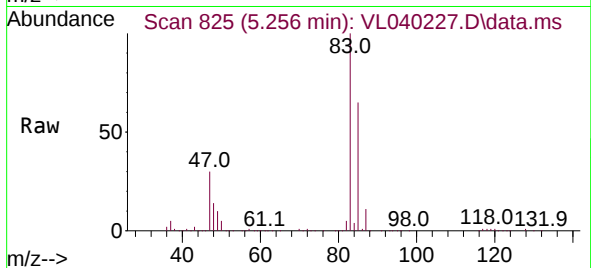
Tgt Ion: 73 Resp: 850666
Ion Ratio Lower Upper
73 100
57 22.5 18.8 28.2





#29
Chloroform
Concen: 10.847 ppbv
RT: 5.256 min Scan# 81
Delta R.T. -0.032 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

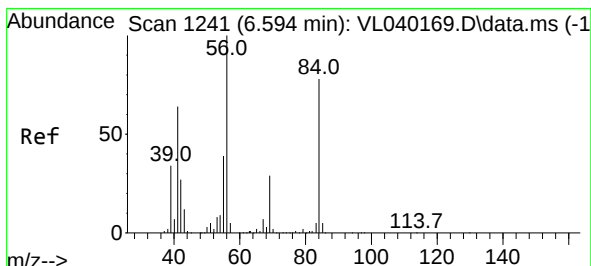
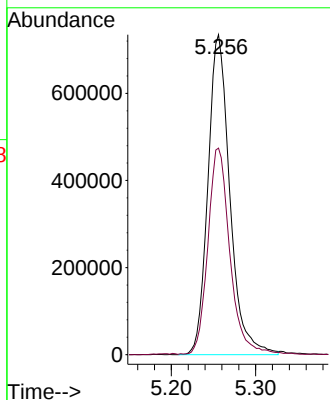
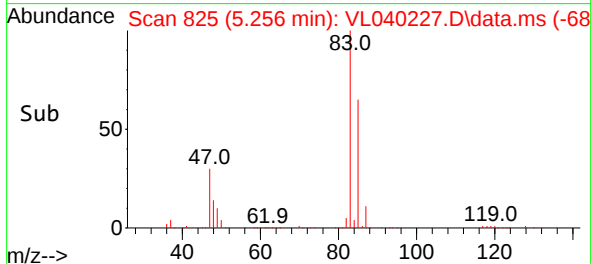
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 83 Resp: 1327960
Ion Ratio Lower Upper
83 100
85 64.4 51.5 77.3

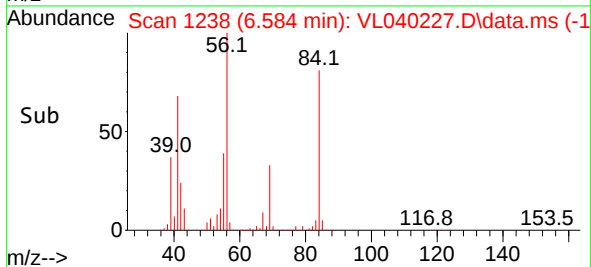
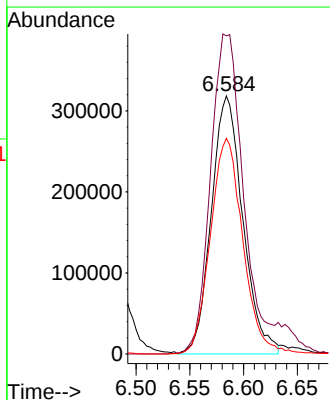
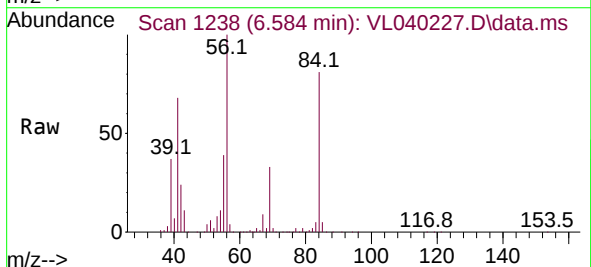
Manual Integrations
APPROVED

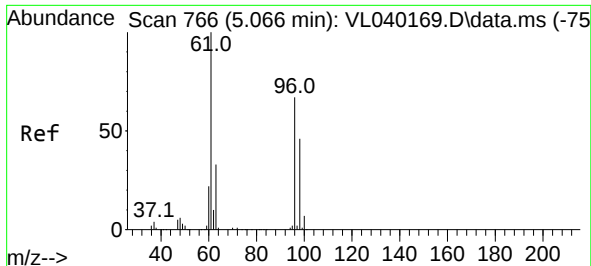
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#30
Cyclohexane
Concen: 11.592 ppbv
RT: 6.584 min Scan# 1238
Delta R.T. -0.039 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

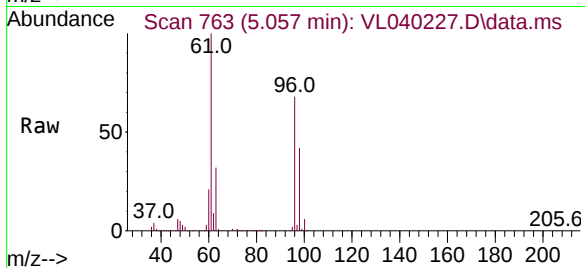
Tgt Ion: 84 Resp: 648978
Ion Ratio Lower Upper
84 100
56 137.4 109.9 164.9
41 86.3 67.8 101.6





#31
 cis-1,2-Dichloroethene
 Concen: 10.697 ppbv
 RT: 5.057 min Scan# 70
 Delta R.T. -0.036 min
 Lab File: VL040227.D
 Acq: 24 Feb 2023 9:54

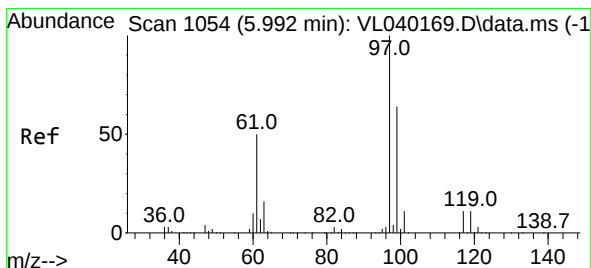
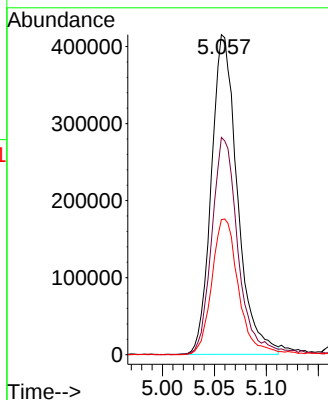
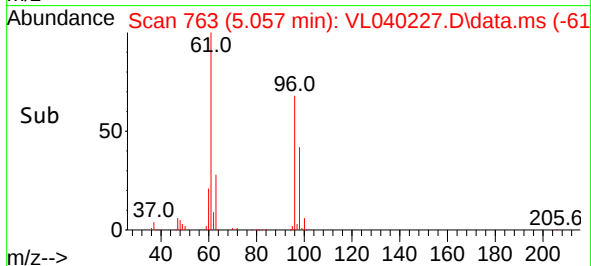
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion: 61 Resp: 724642
 Ion Ratio Lower Upper
 61 100
 96 67.9 53.7 80.5
 98 42.2 36.4 54.6

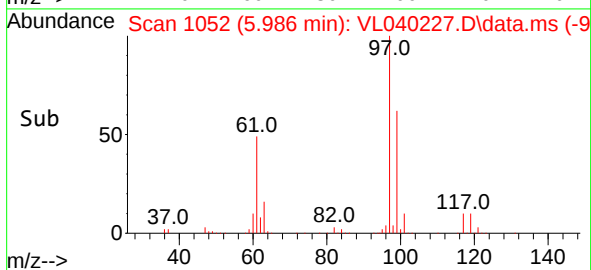
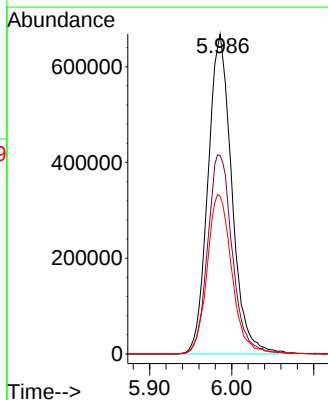
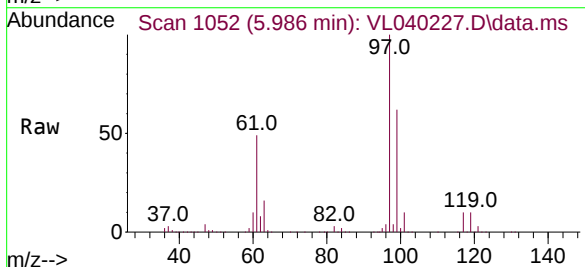
Manual Integrations
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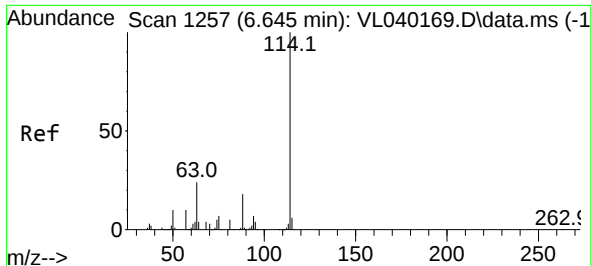
Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023



#32
 1,1,1-Trichloroethane
 Concen: 11.704 ppbv
 RT: 5.986 min Scan# 1052
 Delta R.T. -0.036 min
 Lab File: VL040227.D
 Acq: 24 Feb 2023 9:54

Tgt Ion: 97 Resp: 1346215
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.5 77.3
 61 51.9 40.6 60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 114

Delta R.T. -0.036 min

Lab File: VL040227.D

Acq: 24 Feb 2023 9:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:114 Resp: 1944124

Ion Ratio Lower Upper

114 100

63 26.5 20.4 30.6

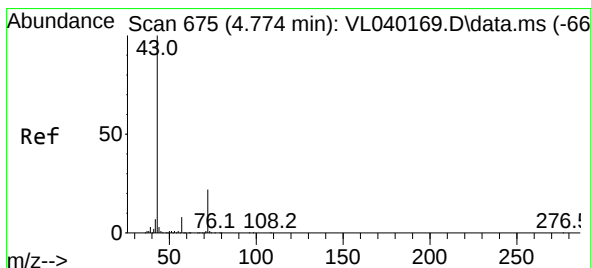
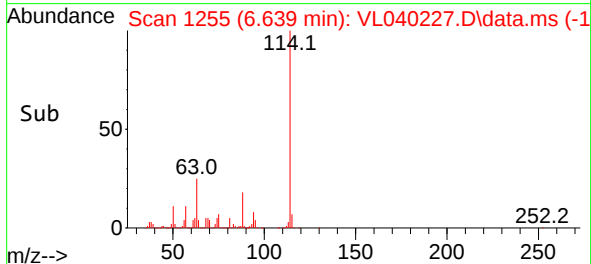
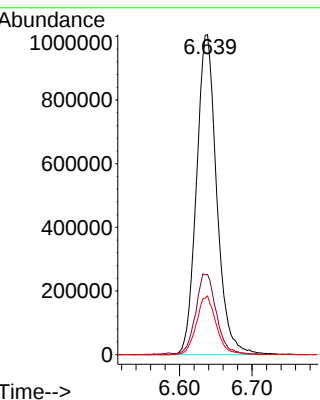
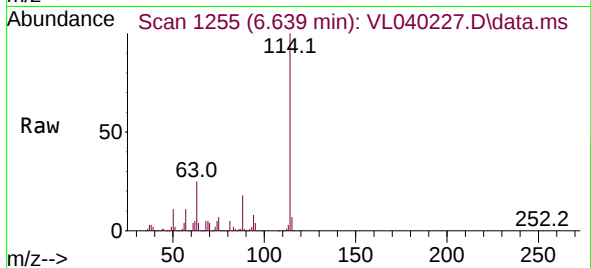
88 18.1 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#34

2-Butanone

Concen: 10.806 ppbv

RT: 4.764 min Scan# 672

Delta R.T. -0.032 min

Lab File: VL040227.D

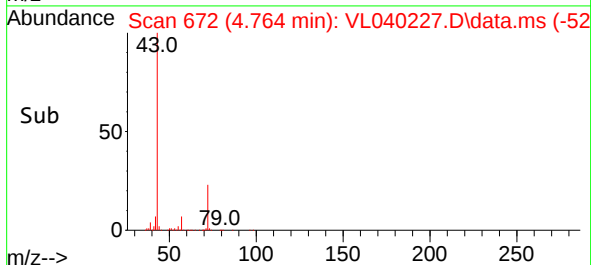
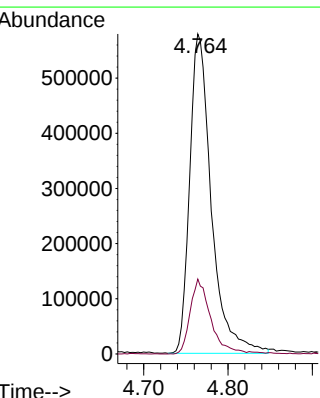
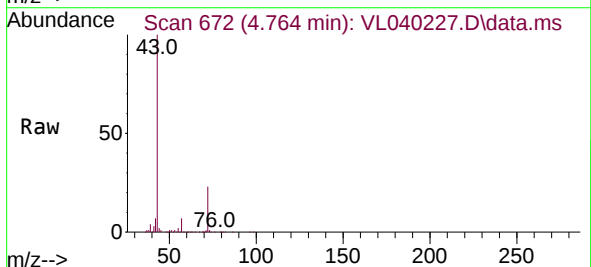
Acq: 24 Feb 2023 9:54

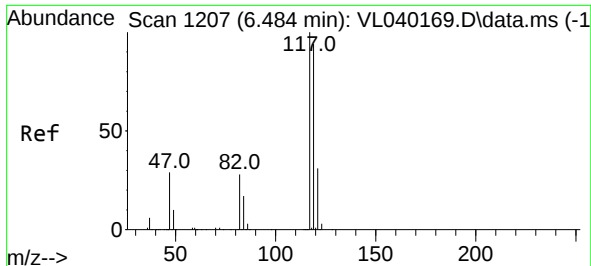
Tgt Ion: 43 Resp: 1036259

Ion Ratio Lower Upper

43 100

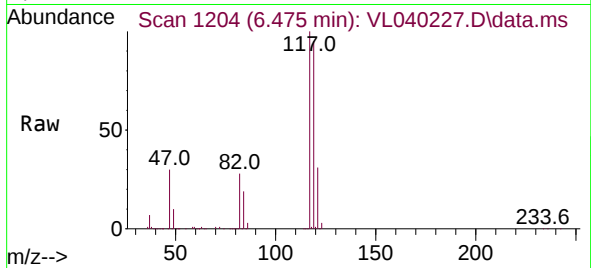
72 22.6 17.8 26.8





#35
Carbon Tetrachloride
Concen: 12.361 ppbv
RT: 6.475 min Scan# 1167
Delta R.T. -0.039 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

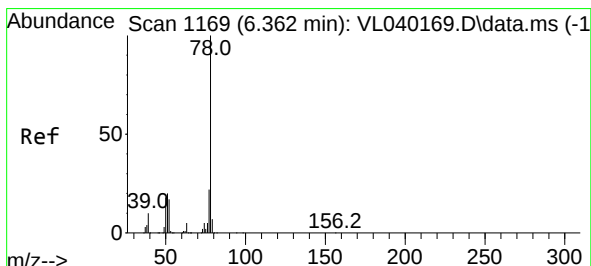
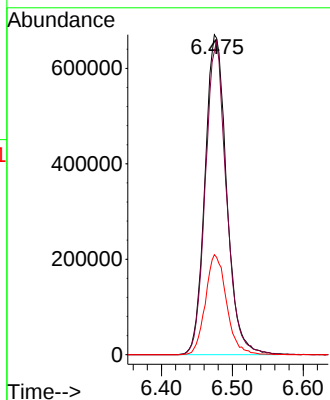
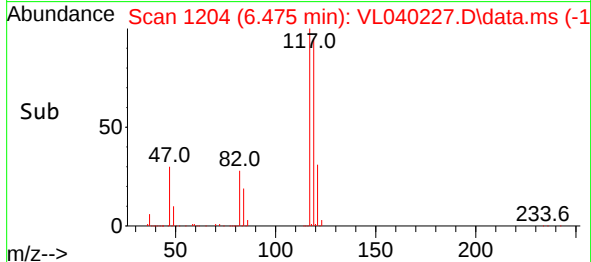
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



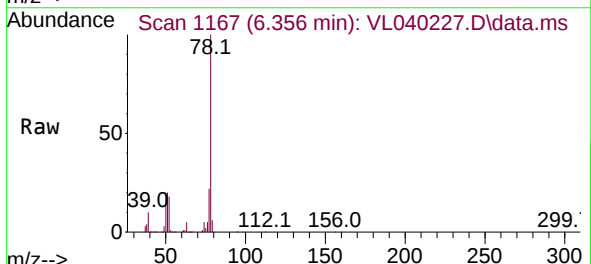
Tgt Ion:117 Resp: 142071
Ion Ratio Lower Upper
117 100
119 94.8 75.0 112.6
121 31.3 25.0 37.4

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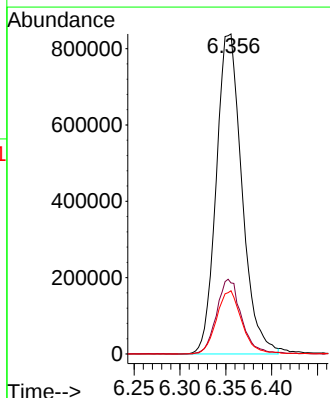
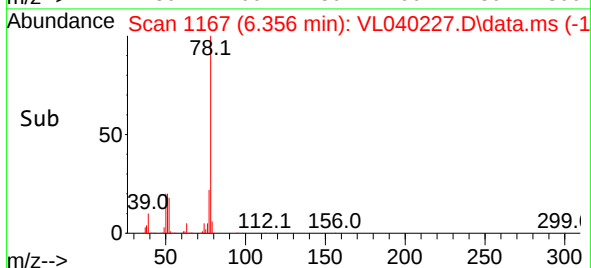
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

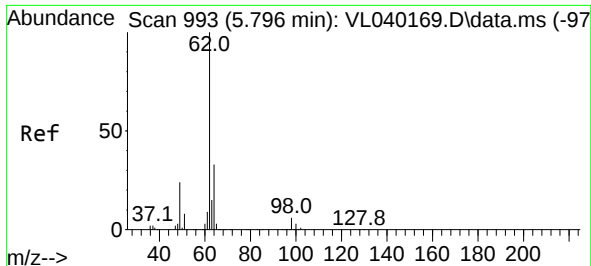


#36
Benzene
Concen: 10.800 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. -0.032 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54



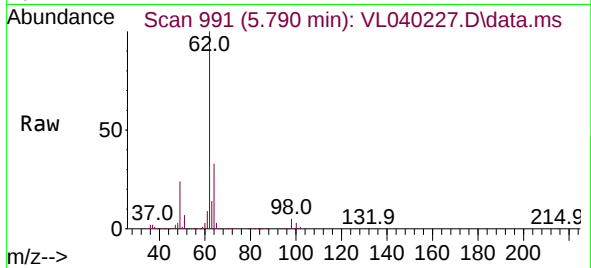
Tgt Ion: 78 Resp: 1633919
Ion Ratio Lower Upper
78 100
77 22.2 17.5 26.3
50 19.8 14.6 22.0





#37
1,2-Dichloroethane
Concen: 10.986 ppbv
RT: 5.790 min Scan# 91
Delta R.T. -0.032 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

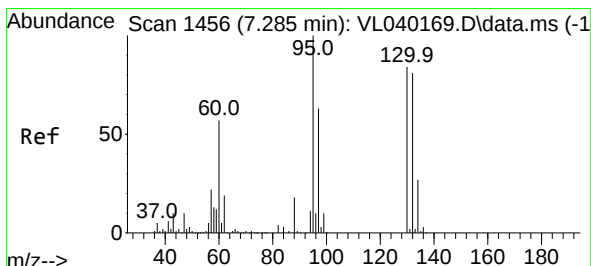
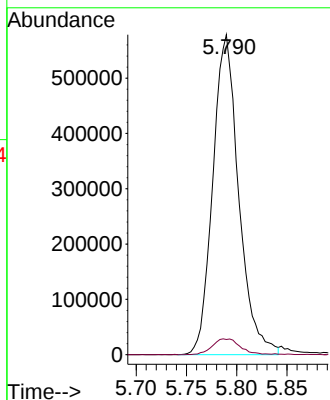
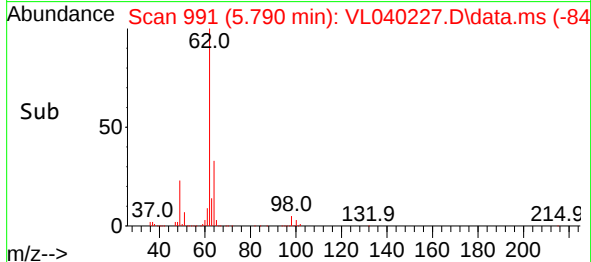
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 62 Resp: 103950
Ion Ratio Lower Upper
62 100
98 5.6 4.7 7.1

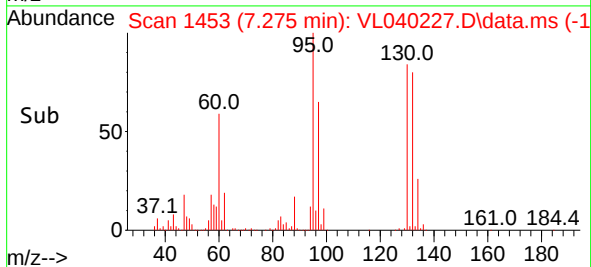
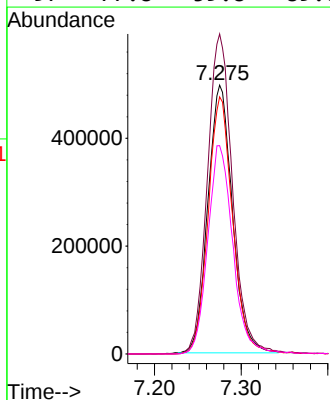
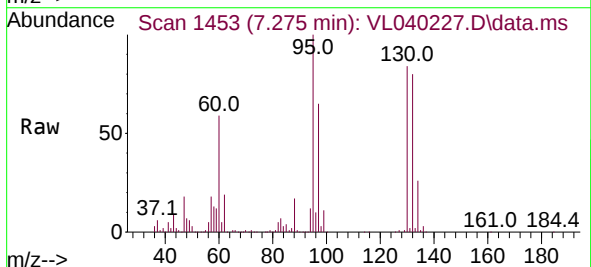
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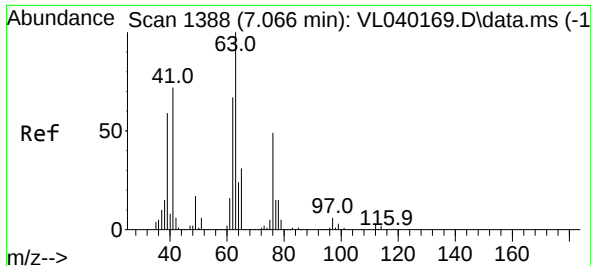
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#38
Trichloroethene
Concen: 11.723 ppbv
RT: 7.275 min Scan# 1453
Delta R.T. -0.039 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

Tgt Ion:130 Resp: 977346
Ion Ratio Lower Upper
130 100
95 119.5 94.7 142.1
132 96.0 76.4 114.6
97 77.8 59.8 89.6





#39

1,2-Dichloropropane

Concen: 10.748 ppbv

RT: 7.057 min Scan# 11

Delta R.T. -0.039 min

Lab File: VL040227.D

Acq: 24 Feb 2023 9:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

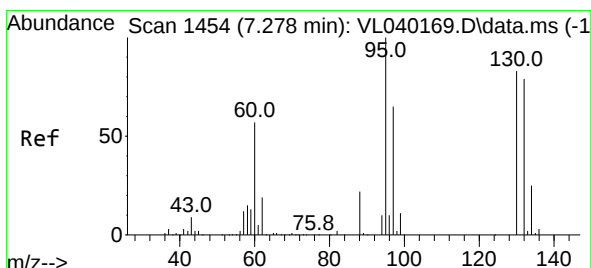
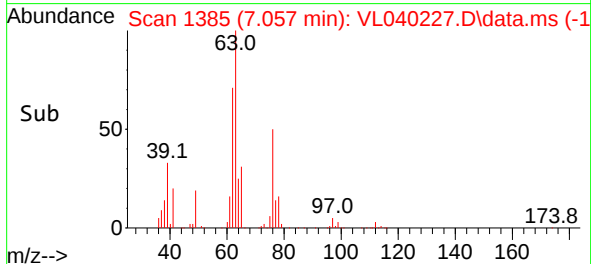
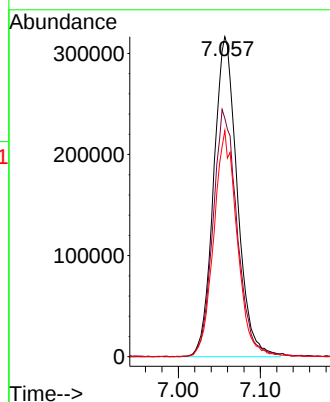
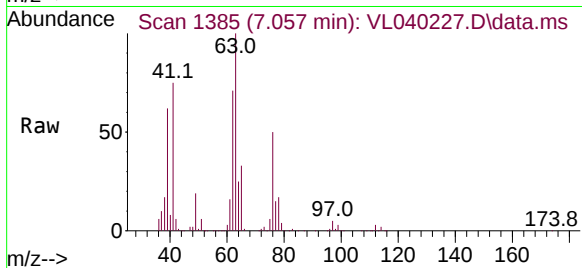
Tgt Ion: 63 Resp: 63258

Ion	Ratio	Lower	Upper
63	100		
41	74.5	57.6	86.4
62	70.5	54.0	81.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#40

1,4-Dioxane

Concen: 9.810 ppbv

RT: 7.269 min Scan# 1451

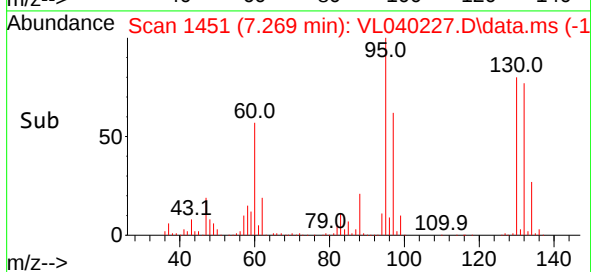
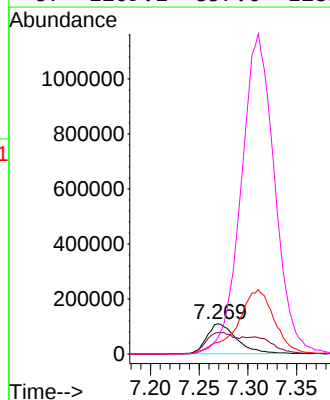
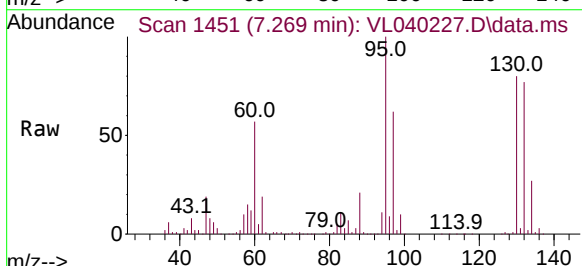
Delta R.T. -0.039 min

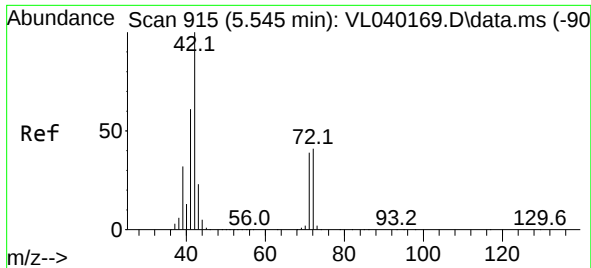
Lab File: VL040227.D

Acq: 24 Feb 2023 9:54

Tgt Ion: 88 Resp: 230965

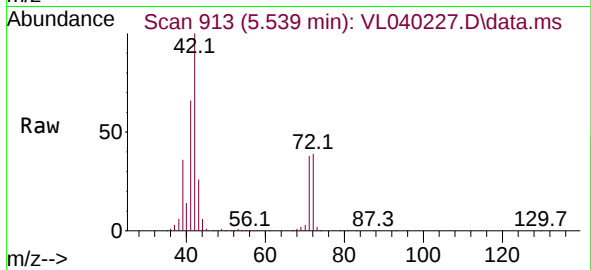
Ion	Ratio	Lower	Upper
88	100		
58	131.0	97.4	146.0
43	270.8	193.5	290.3
57	1209.1	857.0	1285.6





#41
Tetrahydrofuran
Concen: 11.167 ppbv
RT: 5.539 min Scan# 915
Delta R.T. -0.032 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

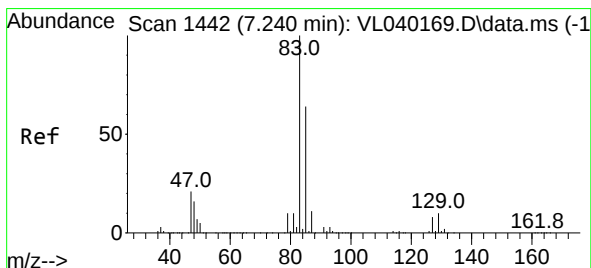
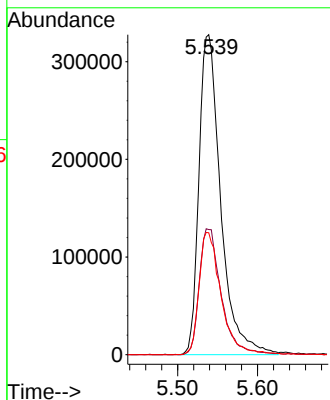
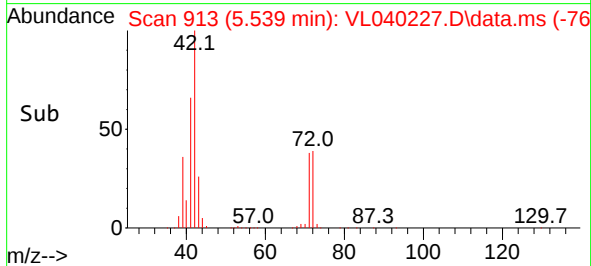
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 42 Resp: 620630
Ion Ratio Lower Upper
42 100
72 39.9 33.0 49.4
71 38.9 31.4 47.2

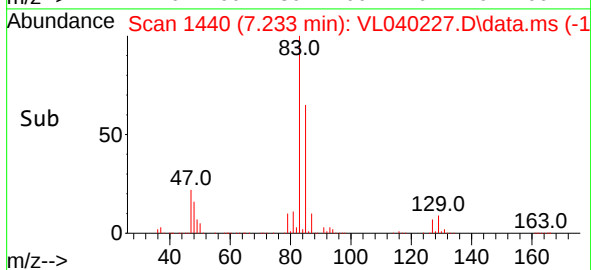
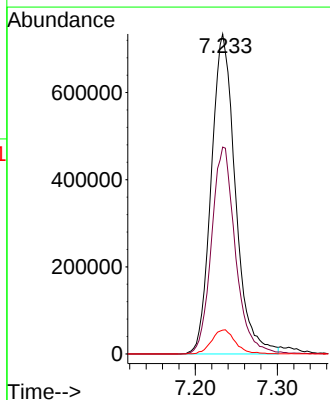
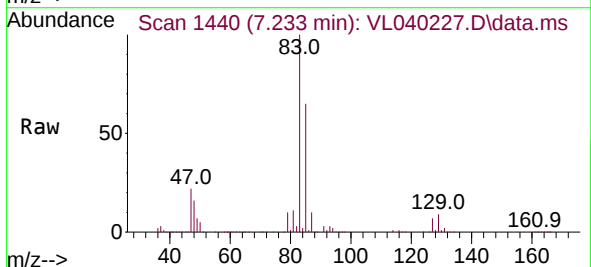
Manual Integrations
APPROVED

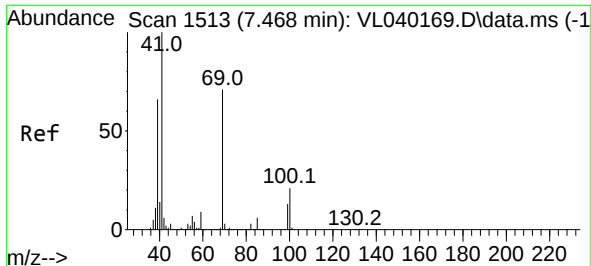
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#42
Bromodichloromethane
Concen: 11.511 ppbv
RT: 7.233 min Scan# 1440
Delta R.T. -0.036 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

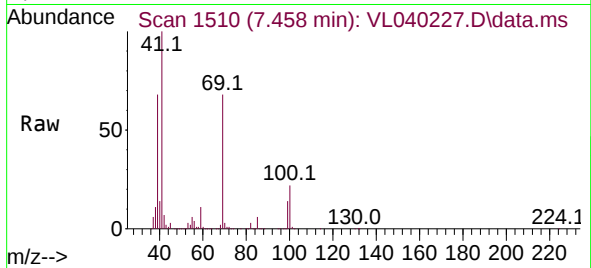
Tgt Ion: 83 Resp: 1503363
Ion Ratio Lower Upper
83 100
85 64.6 50.9 76.3
127 7.4 6.2 9.2





#43
Methyl Methacrylate
Concen: 11.770 ppbv
RT: 7.458 min Scan# 1513
Delta R.T. -0.036 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

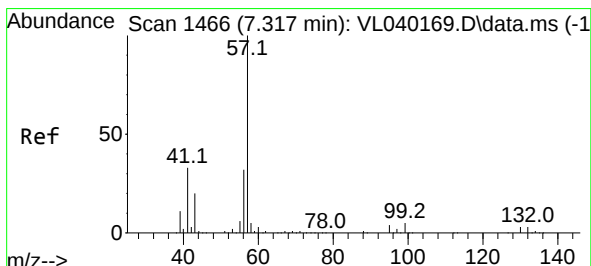
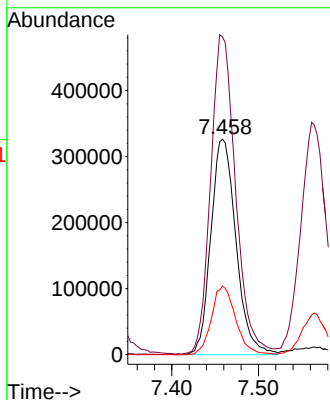
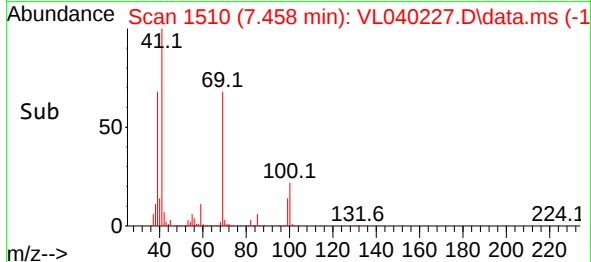
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 69 Resp: 658928
Ion Ratio Lower Upper
69 100
41 146.7 116.6 174.8
100 30.6 25.6 38.4

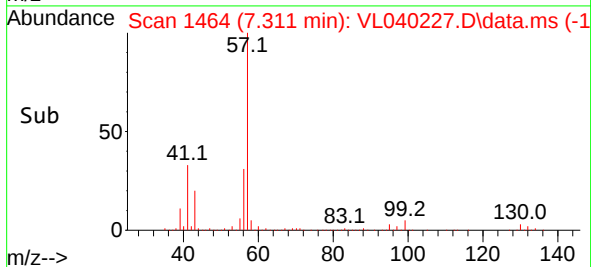
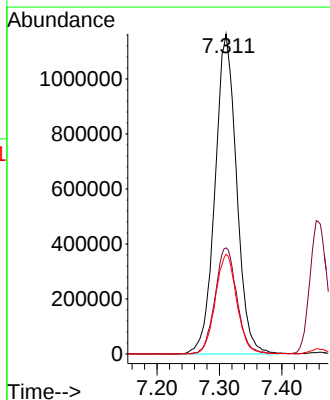
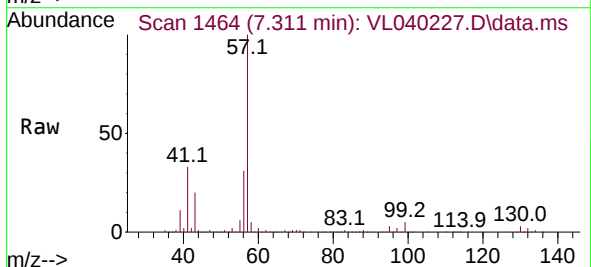
Manual Integrations
APPROVED

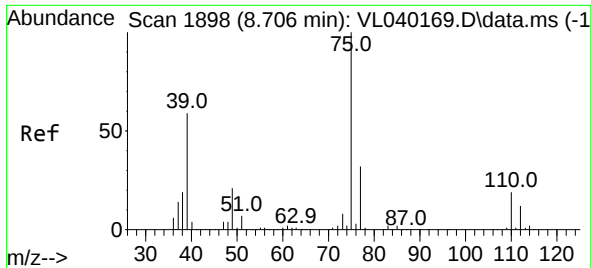
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#44
2,2,4-Trimethylpentane
Concen: 11.044 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. -0.036 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

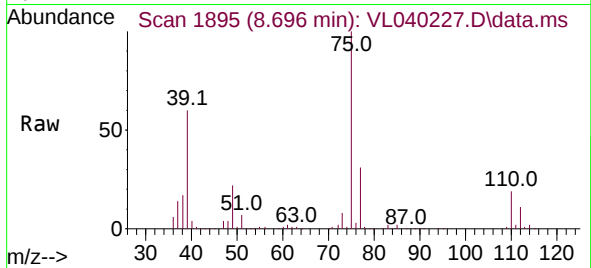
Tgt Ion: 57 Resp: 2789132
Ion Ratio Lower Upper
57 100
41 33.8 26.2 39.4
56 31.1 24.9 37.3





#45
 t-1,3-Dichloropropene
 Concen: 12.527 ppbv
 RT: 8.696 min Scan# 1718
 Delta R.T. -0.039 min
 Lab File: VL040227.D
 Acq: 24 Feb 2023 9:54

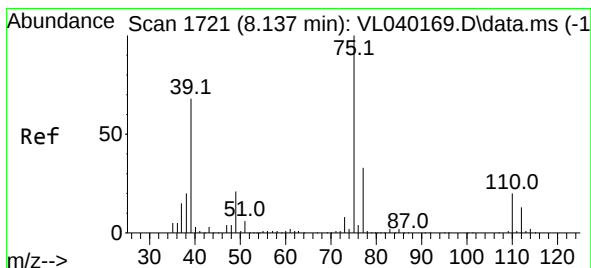
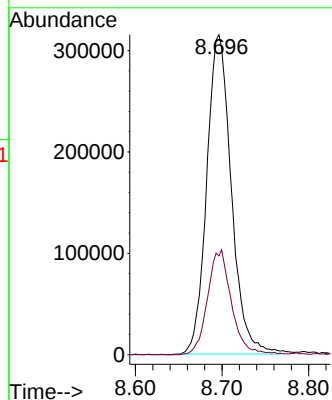
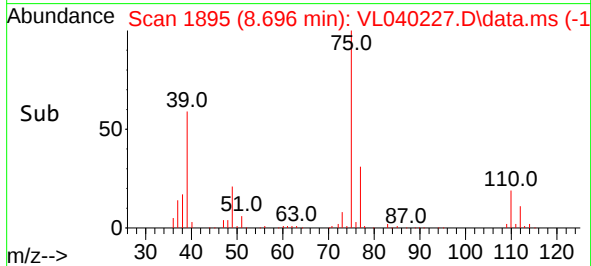
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion: 75 Resp: 622080
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.7 38.5

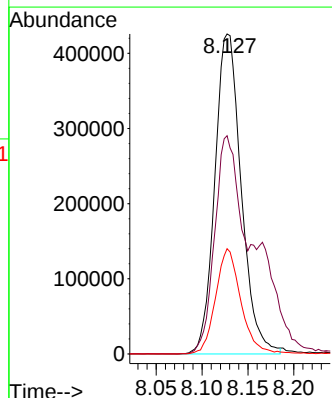
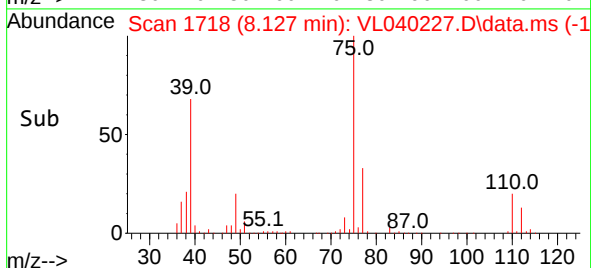
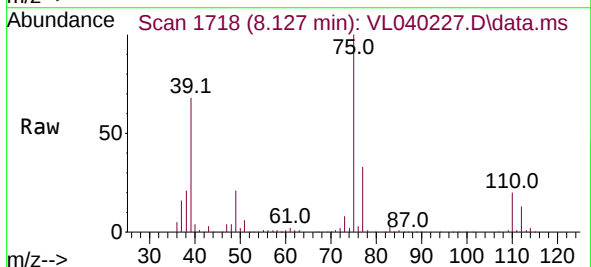
Manual Integrations
 APPROVED

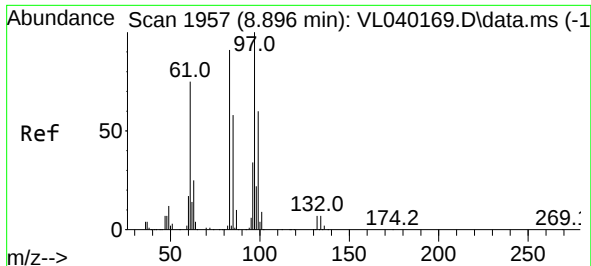
Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023



#46
 cis-1,3-Dichloropropene
 Concen: 12.337 ppbv
 RT: 8.127 min Scan# 1718
 Delta R.T. -0.036 min
 Lab File: VL040227.D
 Acq: 24 Feb 2023 9:54

Tgt Ion: 75 Resp: 853518
 Ion Ratio Lower Upper
 75 100
 39 68.1 54.2 81.2
 77 32.8 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 10.926 ppbv

RT: 8.883 min Scan# 1953

Delta R.T. -0.042 min

Lab File: VL040227.D

Acq: 24 Feb 2023 9:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 69552

Ion Ratio Lower Upper

97 100

83 90.2 72.8 109.2

85 58.6 46.6 69.8

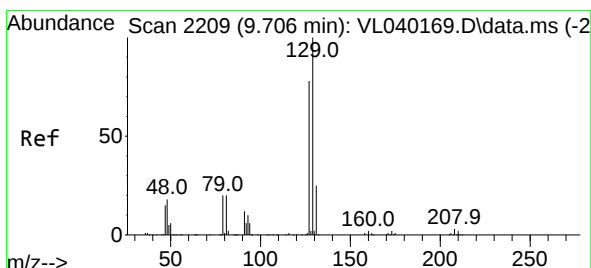
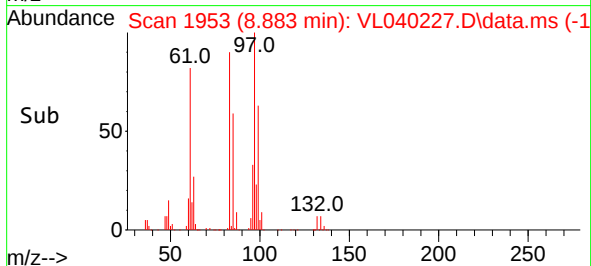
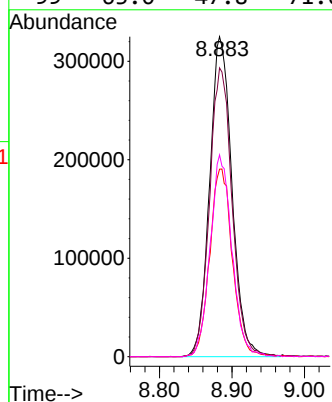
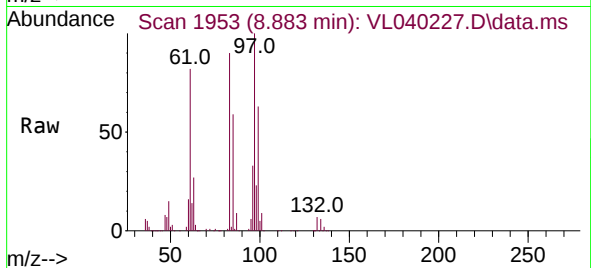
99 63.0 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#48

Dibromochloromethane

Concen: 11.848 ppbv

RT: 9.696 min Scan# 2206

Delta R.T. -0.039 min

Lab File: VL040227.D

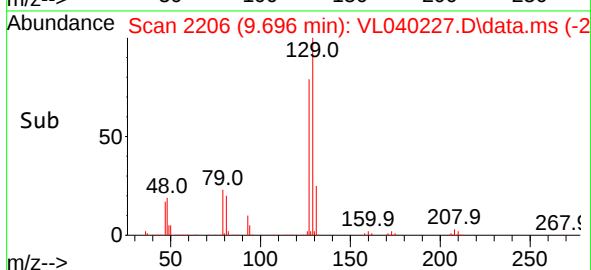
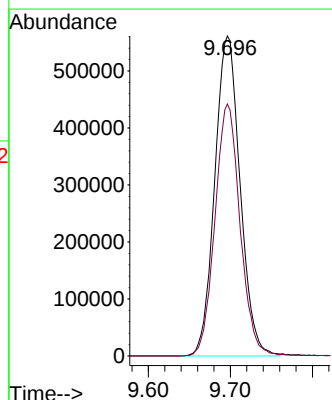
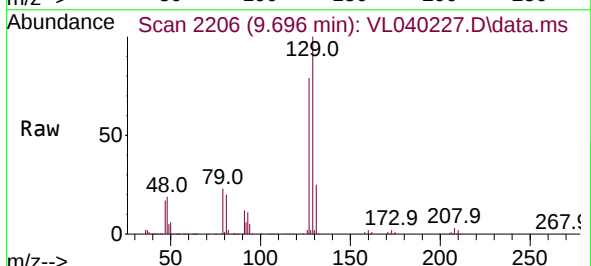
Acq: 24 Feb 2023 9:54

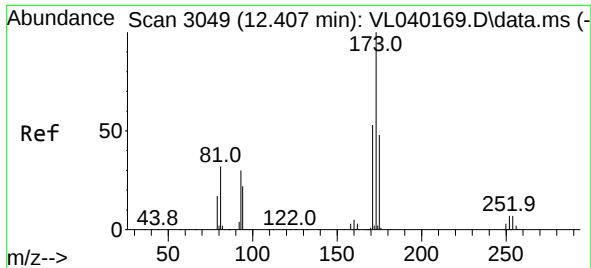
Tgt Ion:129 Resp: 1206345

Ion Ratio Lower Upper

129 100

127 78.2 39.1 117.2





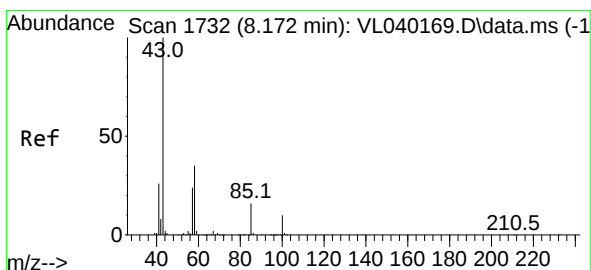
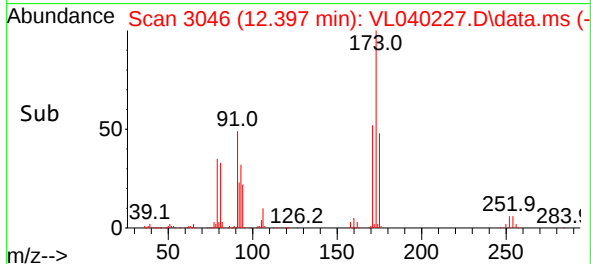
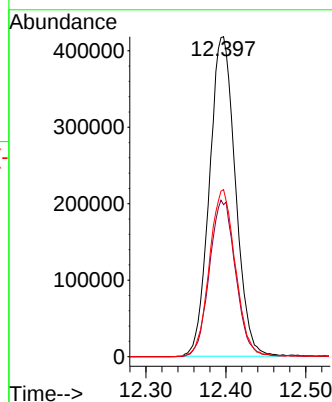
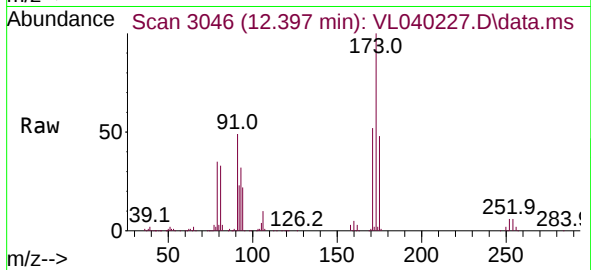
#49
Bromoform
Concen: 11.837 ppbv
RT: 12.397 min Scan# 3049
Delta R.T. -0.039 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 94073
Ion Ratio Lower Upper
173 100
175 49.5 39.4 59.0
171 52.8 41.8 62.6

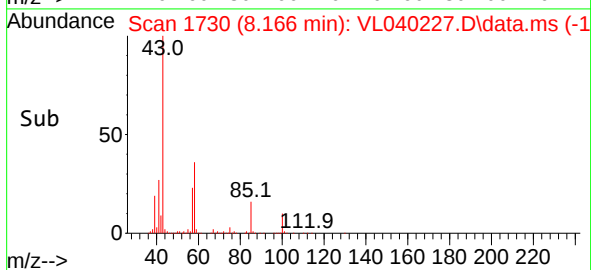
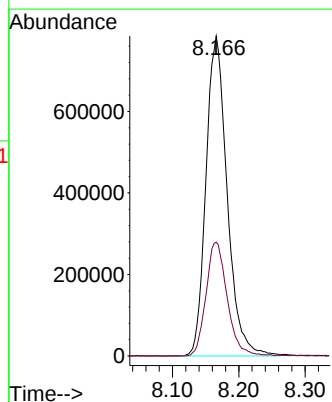
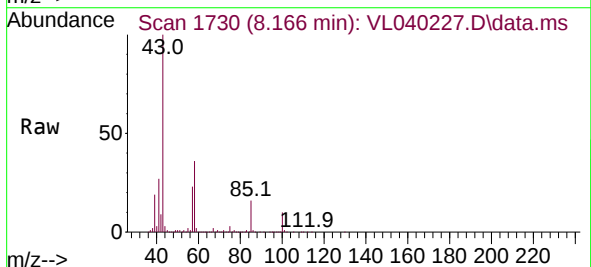
Manual Integrations
APPROVED

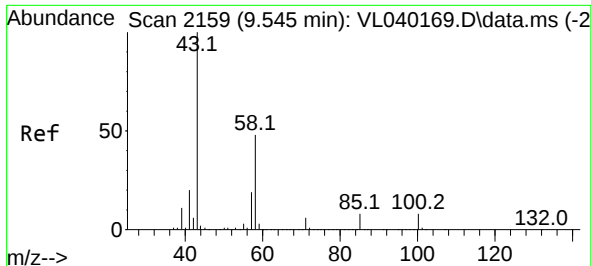
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#50
4-Methyl-2-Pentanone
Concen: 11.691 ppbv
RT: 8.166 min Scan# 1730
Delta R.T. -0.036 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

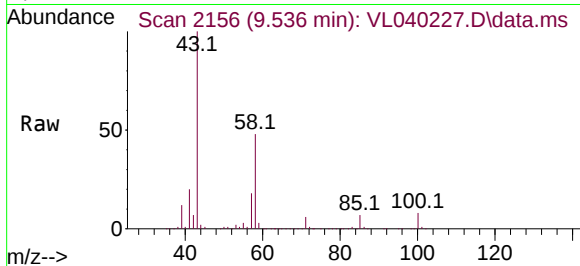
Tgt Ion: 43 Resp: 1740891
Ion Ratio Lower Upper
43 100
58 35.8 29.2 43.8





#51
2-Hexanone
Concen: 11.752 ppbv
RT: 9.536 min Scan# 2159
Delta R.T. -0.039 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

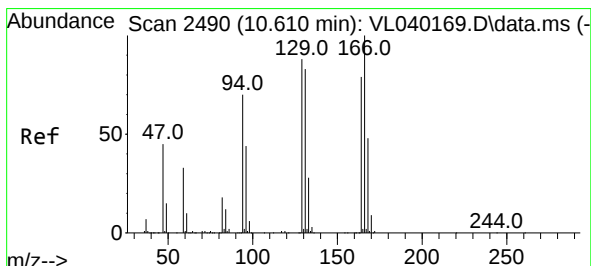
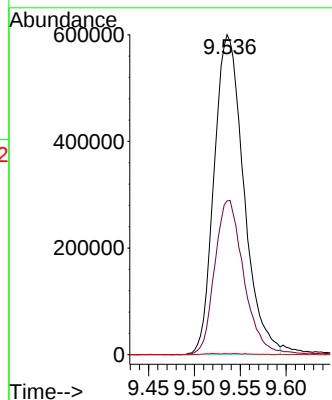
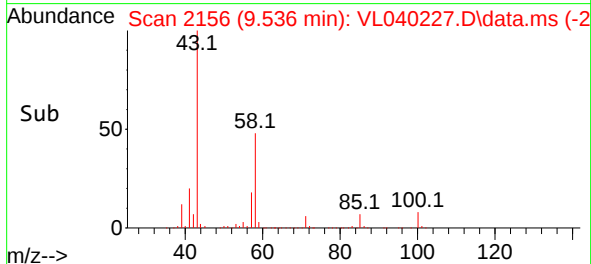
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



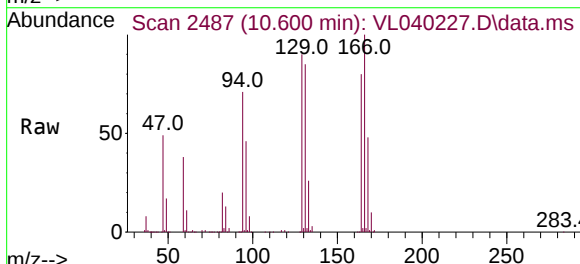
Tgt Ion: 43 Resp: 134579
Ion Ratio Lower Upper
43 100
58 48.3 39.1 58.7
98 0.5 0.2 0.4

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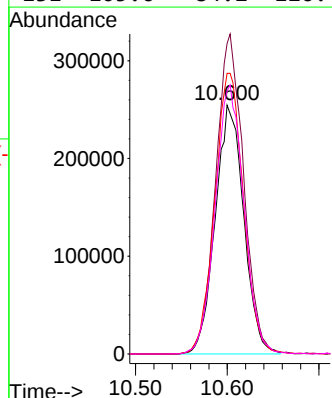
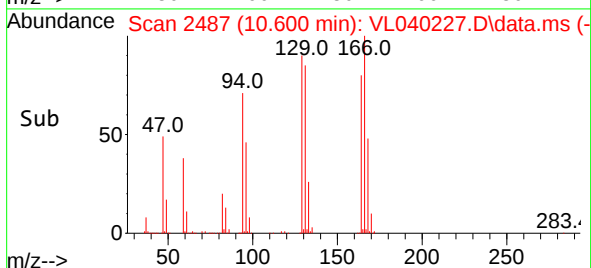
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

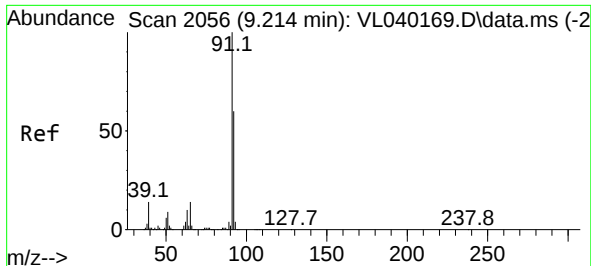


#52
Tetrachloroethene
Concen: 11.617 ppbv
RT: 10.600 min Scan# 2487
Delta R.T. -0.042 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54



Tgt Ion:164 Resp: 548824
Ion Ratio Lower Upper
164 100
166 124.6 101.5 152.3
129 112.6 89.0 133.4
131 105.6 84.2 126.4





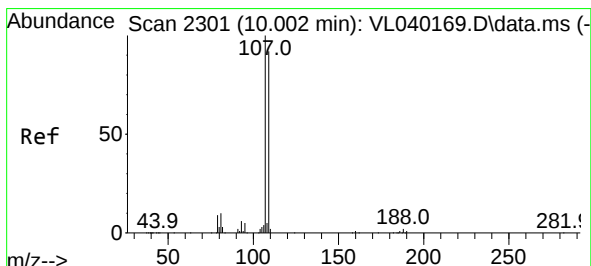
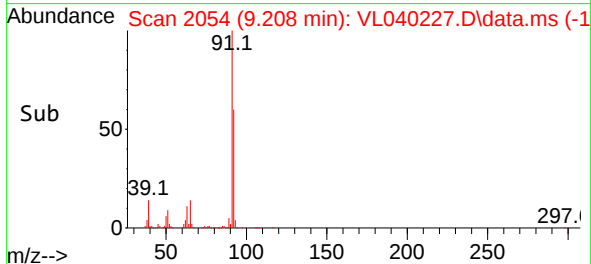
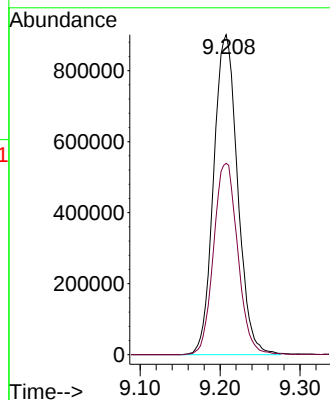
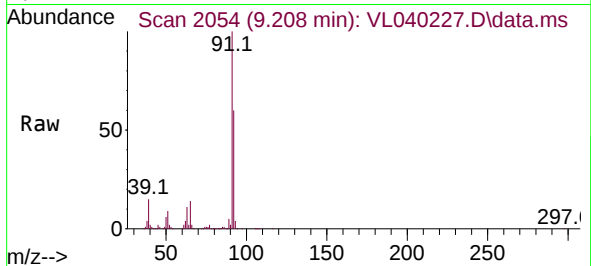
#53
Toluene
Concen: 11.569 ppbv
RT: 9.208 min Scan# 2056
Delta R.T. -0.039 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 1874804
Ion Ratio Lower Upper
91 100
92 60.5 48.9 73.3

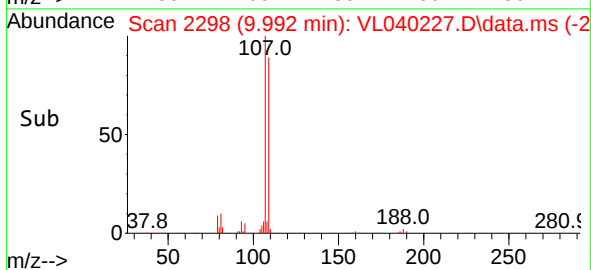
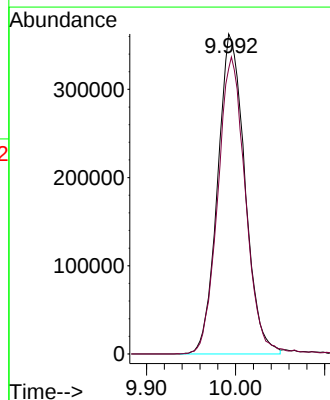
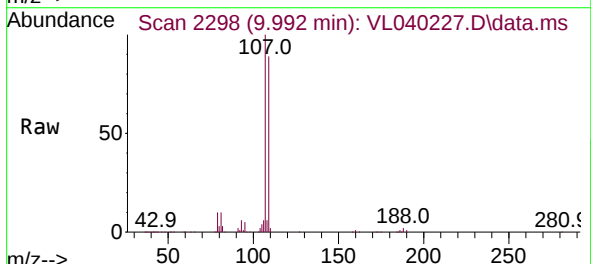
Manual Integrations
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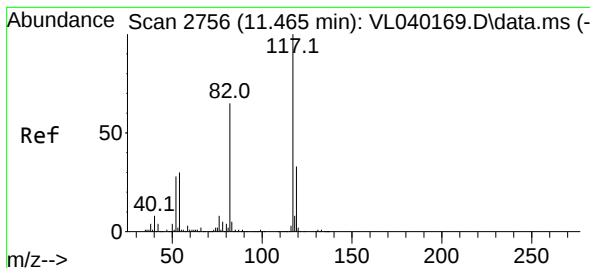
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#54
1,2-Dibromoethane
Concen: 11.644 ppbv
RT: 9.992 min Scan# 2298
Delta R.T. -0.042 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

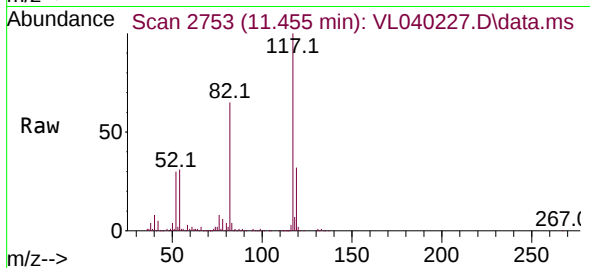
Tgt Ion:107 Resp: 771207
Ion Ratio Lower Upper
107 100
109 89.1 73.8 110.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. -0.039 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

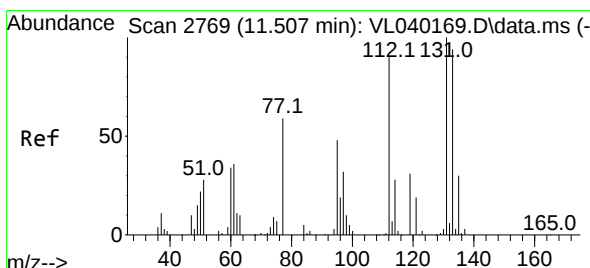
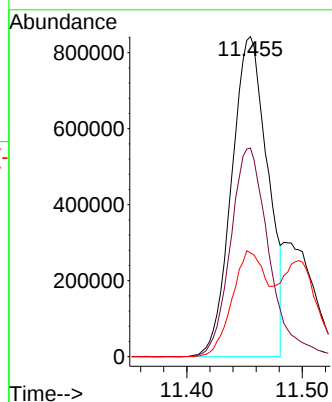
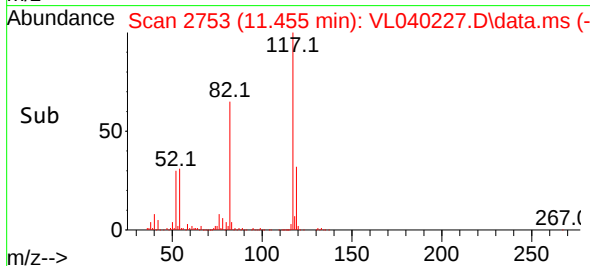
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion:117 Resp: 182892
Ion Ratio Lower Upper
117 100
82 70.0 53.3 79.9
119 32.0 24.6 37.0

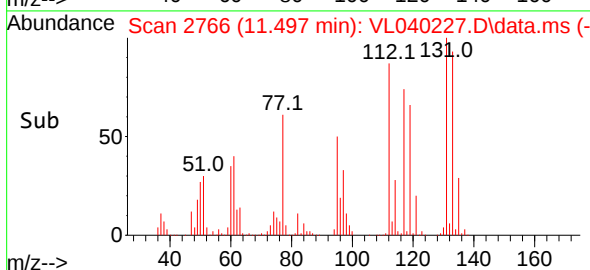
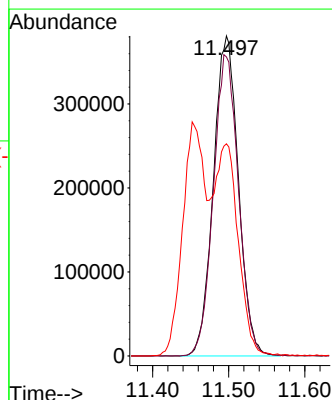
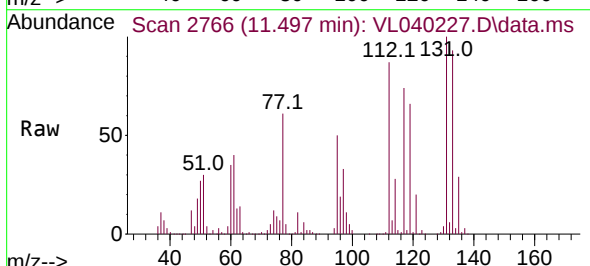
Manual Integrations
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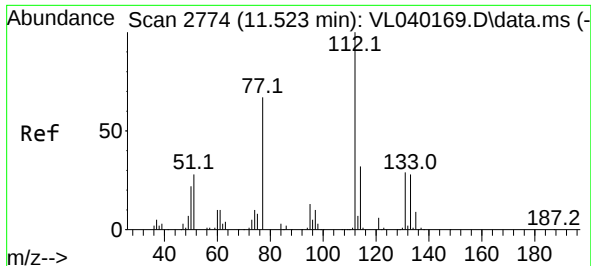
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 11.306 ppbv
RT: 11.497 min Scan# 2766
Delta R.T. -0.042 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

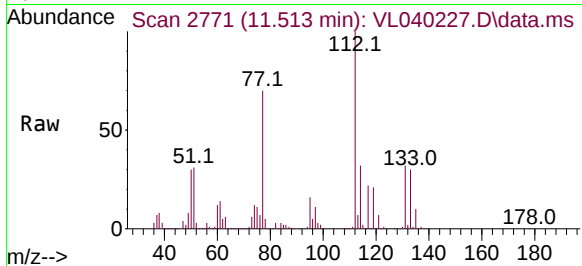
Tgt Ion:131 Resp: 867981
Ion Ratio Lower Upper
131 100
133 95.0 76.2 114.2
119 64.6 45.4 68.0





#57
Chlorobenzene
Concen: 10.882 ppbv
RT: 11.513 min Scan# 21
Delta R.T. -0.042 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

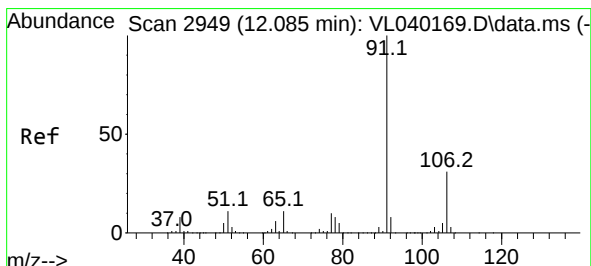
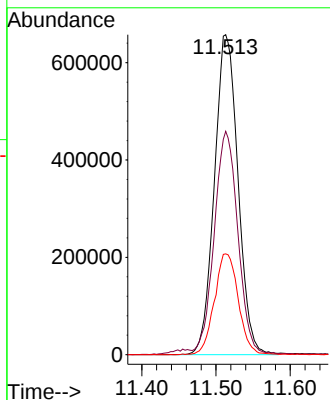
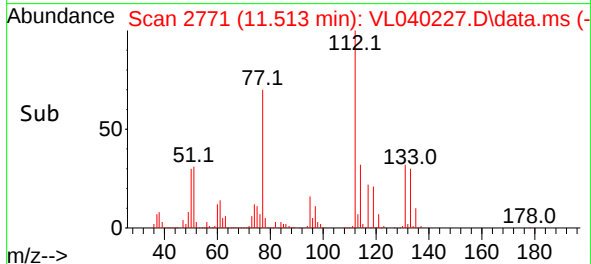
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion:112 Resp: 1454019
Ion Ratio Lower Upper
112 100
77 69.4 55.0 82.4
114 31.4 29.0 35.4

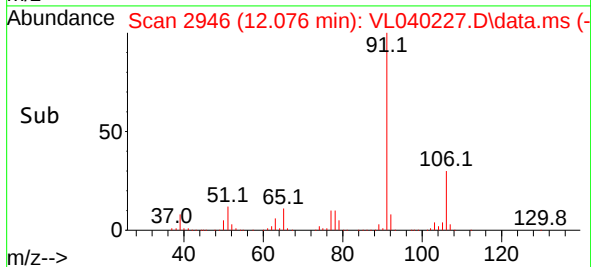
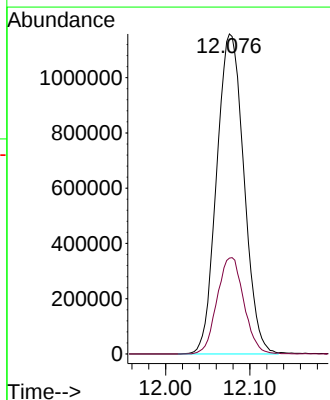
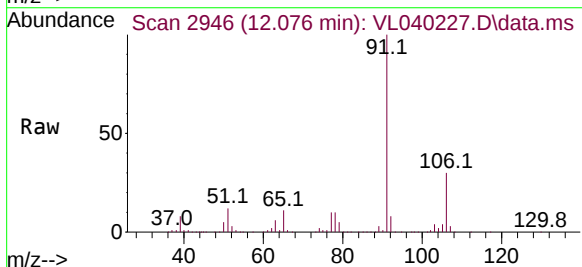
Manual Integrations
APPROVED

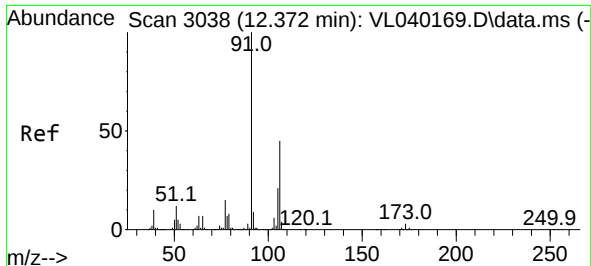
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#58
Ethyl Benzene
Concen: 11.682 ppbv
RT: 12.076 min Scan# 2946
Delta R.T. -0.042 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

Tgt Ion: 91 Resp: 2595864
Ion Ratio Lower Upper
91 100
106 29.9 24.9 37.3





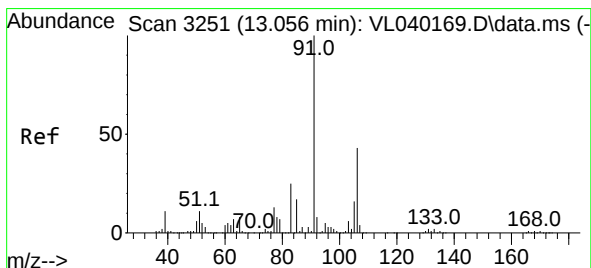
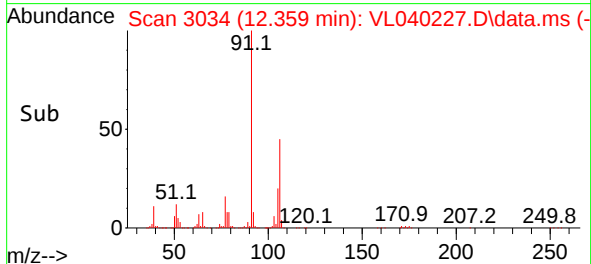
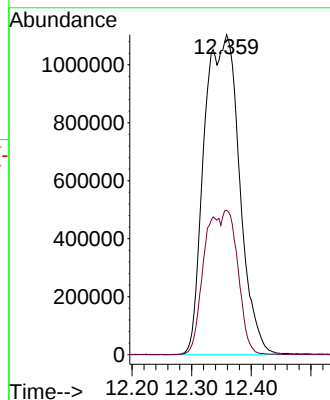
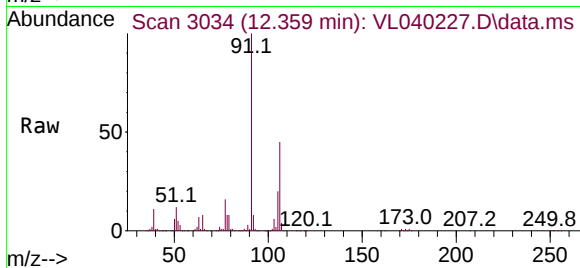
#59
m/p-Xylene
Concen: 22.942 ppbv m
RT: 12.359 min Scan# 3038
Delta R.T. -0.039 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 451530
Ion Ratio Lower Upper
91 100
106 42.8 34.6 51.8

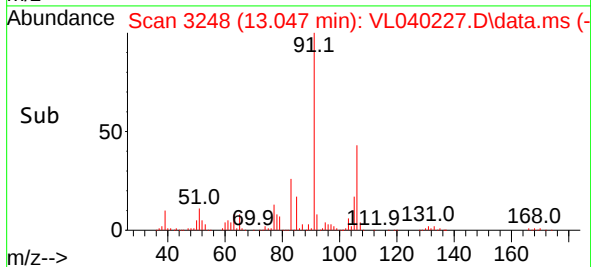
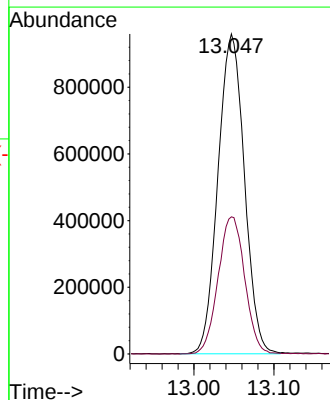
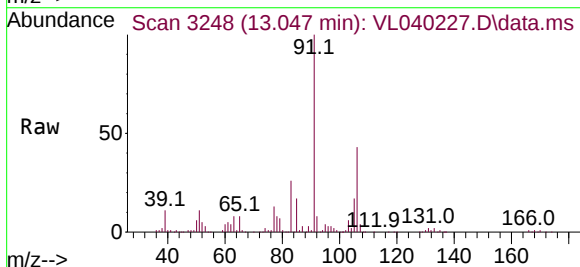
Manual Integrations
APPROVED

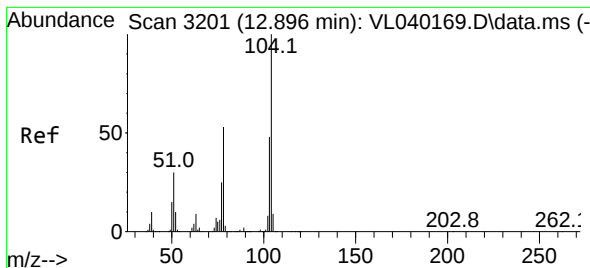
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#60
o-Xylene
Concen: 11.610 ppbv
RT: 13.047 min Scan# 3248
Delta R.T. -0.039 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

Tgt Ion: 91 Resp: 2198717
Ion Ratio Lower Upper
91 100
106 43.4 21.6 65.0





#61

Styrene

Concen: 12.214 ppbv

RT: 12.886 min Scan# 3198

Delta R.T. -0.042 min

Lab File: VL040227.D

Acq: 24 Feb 2023 9:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:104 Resp: 121444

Ion Ratio Lower Upper

104 100

78 53.8 42.3 63.5

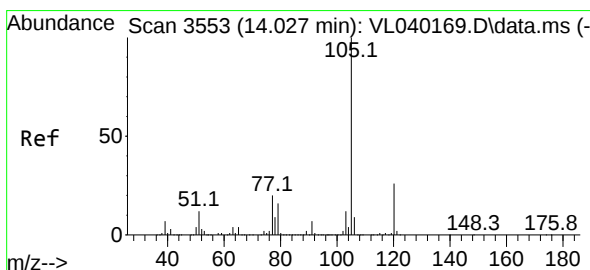
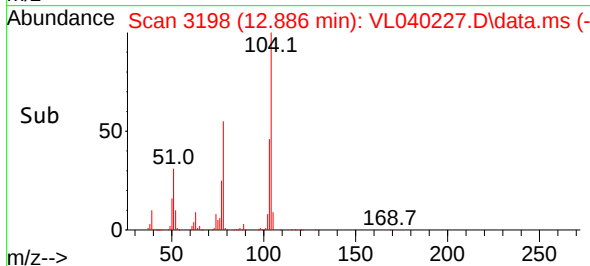
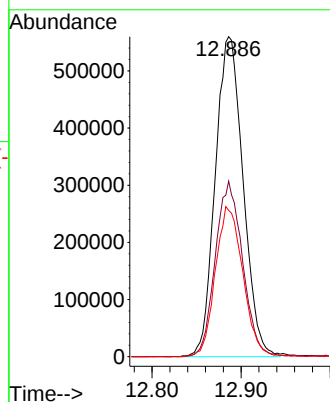
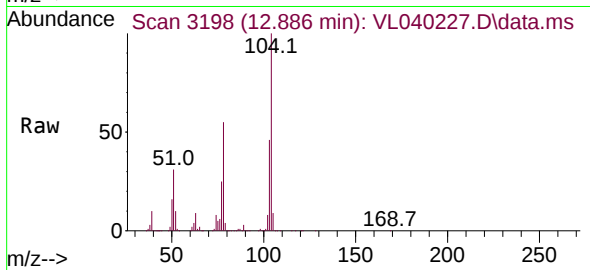
103 46.4 37.5 56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#62

Isopropylbenzene

Concen: 11.327 ppbv

RT: 14.021 min Scan# 3551

Delta R.T. -0.039 min

Lab File: VL040227.D

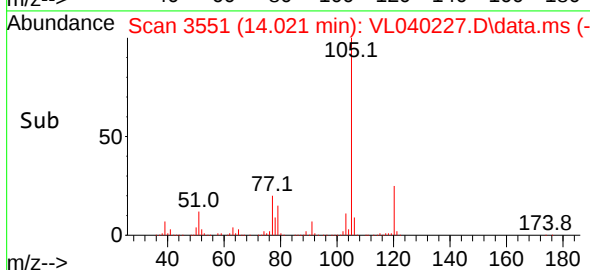
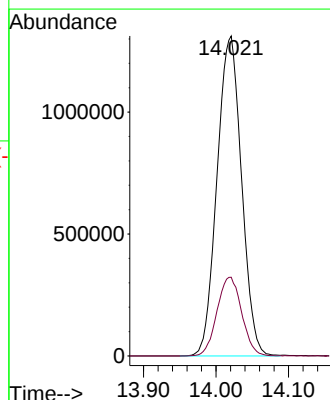
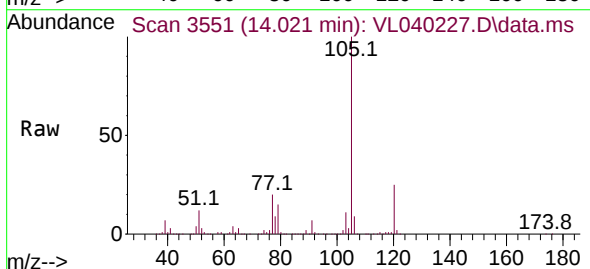
Acq: 24 Feb 2023 9:54

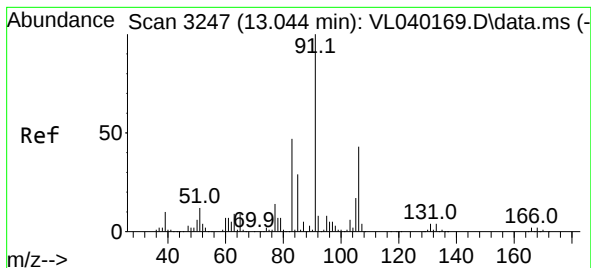
Tgt Ion:105 Resp: 3079093

Ion Ratio Lower Upper

105 100

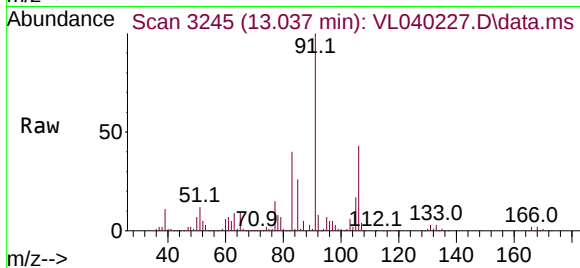
120 24.8 20.3 30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 10.664 ppbv
RT: 13.037 min Scan# 31
Delta R.T. -0.039 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

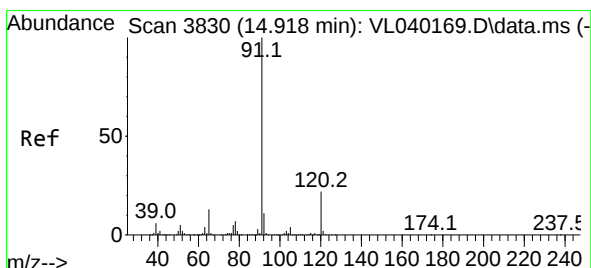
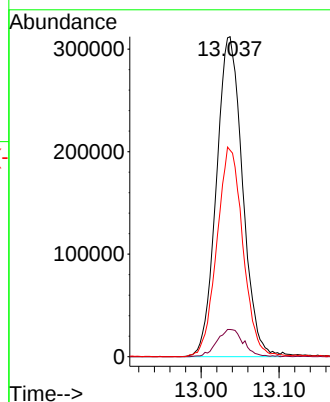
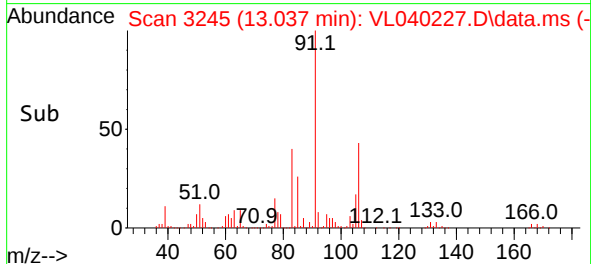
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



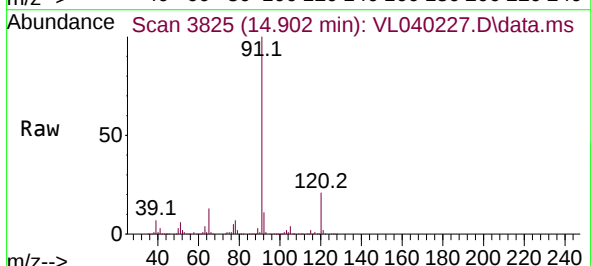
Tgt Ion: 83 Resp: 72775
Ion Ratio Lower Upper
83 100
131 8.7 4.4 13.2
85 65.7 33.0 99.0

Manual Integrations
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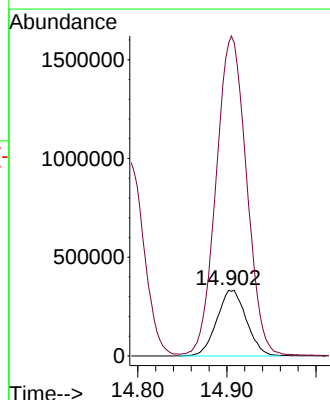
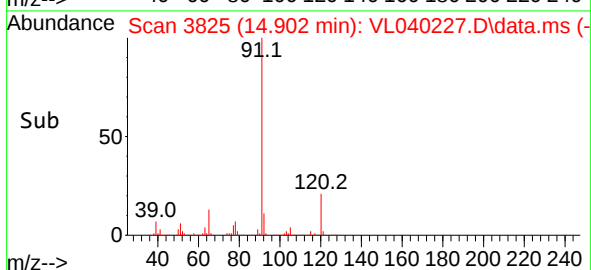
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

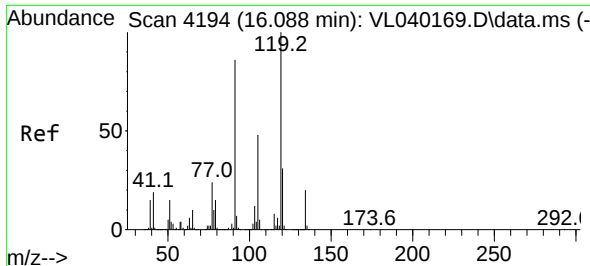


#64
n-propylbenzene
Concen: 11.360 ppbv
RT: 14.902 min Scan# 3825
Delta R.T. -0.048 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54



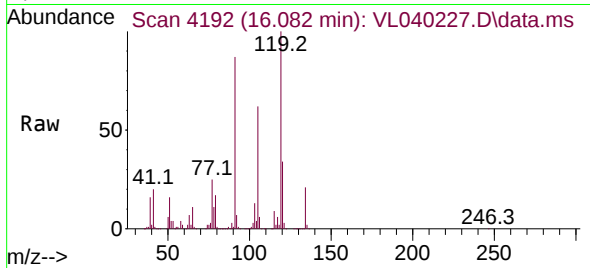
Tgt Ion:120 Resp: 764301
Ion Ratio Lower Upper
120 100
91 505.1 389.8 584.8





#65
tert-Butylbenzene
Concen: 11.292 ppbv m
RT: 16.082 min Scan# 4194
Delta R.T. -0.039 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

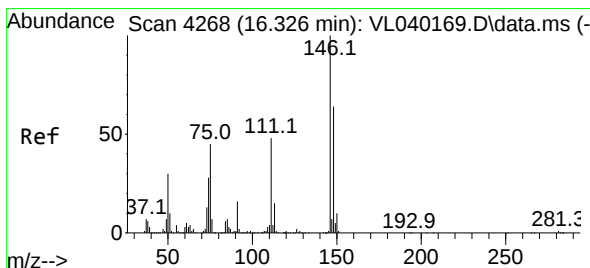
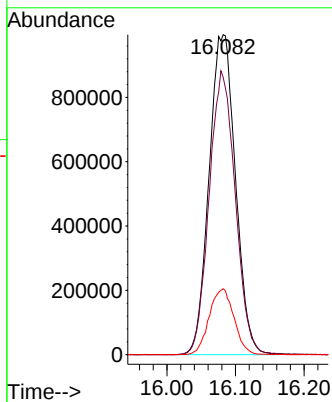
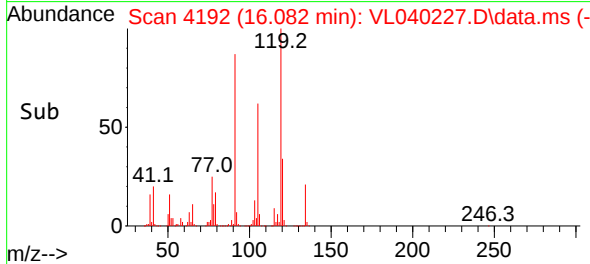
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



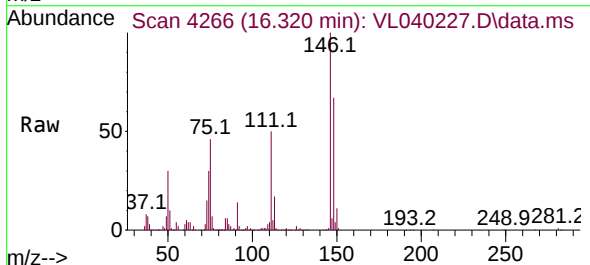
Tgt Ion:119 Resp: 2668340
Ion Ratio Lower Upper
119 100
91 0.0 68.6 102.8
134 0.0 15.9 23.9

Manual Integrations
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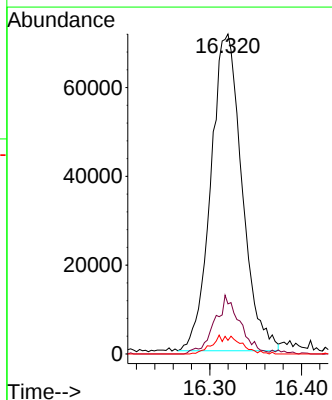
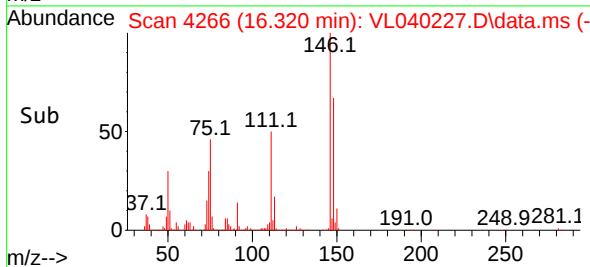
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

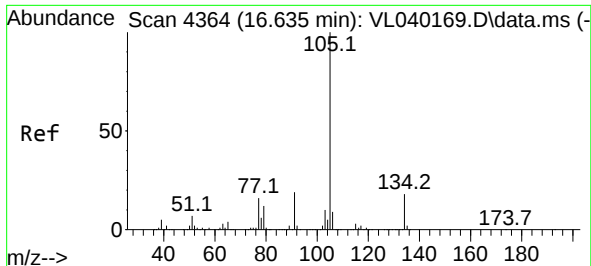


#66
Benzyl Chloride
Concen: 10.703 ppbv
RT: 16.320 min Scan# 4266
Delta R.T. -0.039 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54



Tgt Ion: 91 Resp: 168301
Ion Ratio Lower Upper
91 100
126 15.8 13.1 19.7
128 5.3 4.1 6.1





#67

sec-Butylbenzene

Concen: 11.241 ppbv

RT: 16.625 min Scan# 41

Delta R.T. -0.042 min

Lab File: VL040227.D

Acq: 24 Feb 2023 9:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 3809230

Ion Ratio Lower Upper

105 100

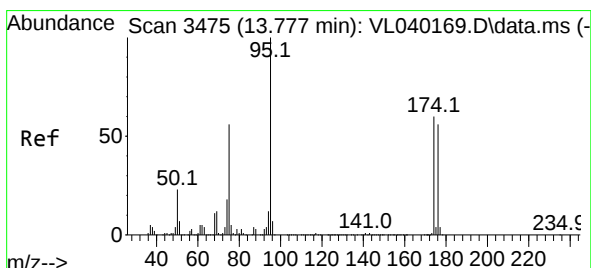
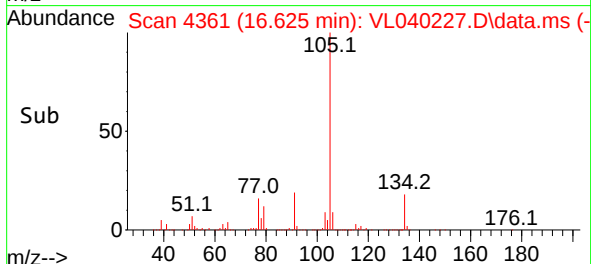
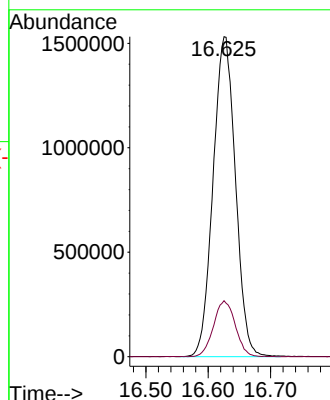
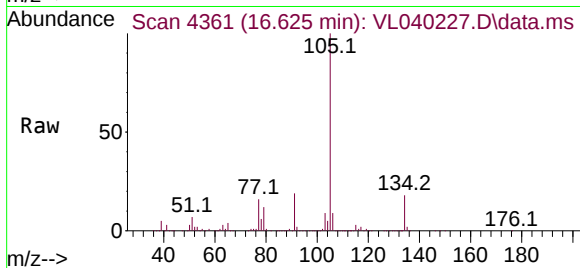
134 17.1 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 11.053 ppbv

RT: 13.764 min Scan# 3471

Delta R.T. -0.042 min

Lab File: VL040227.D

Acq: 24 Feb 2023 9:54

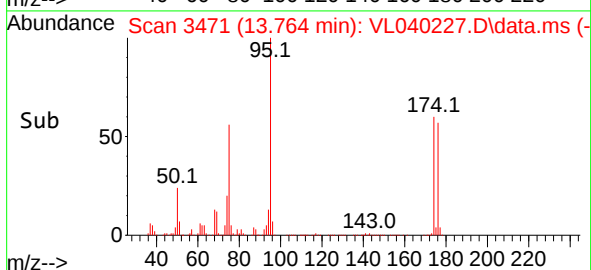
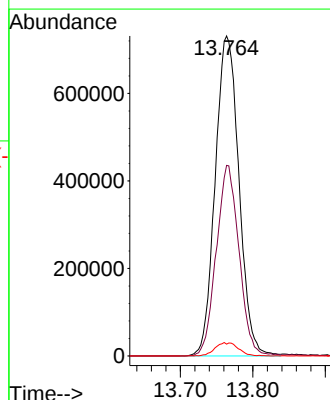
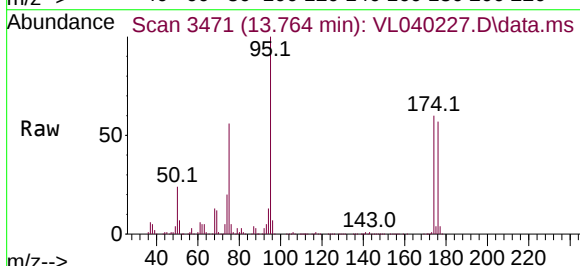
Tgt Ion: 95 Resp: 1662322

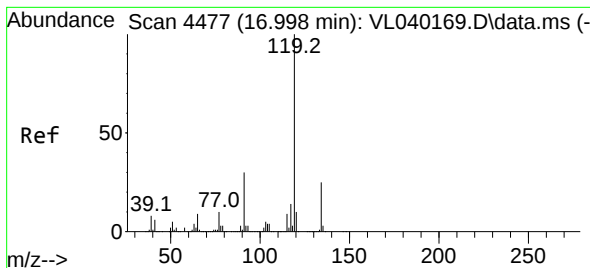
Ion Ratio Lower Upper

95 100

174 57.6 48.2 72.2

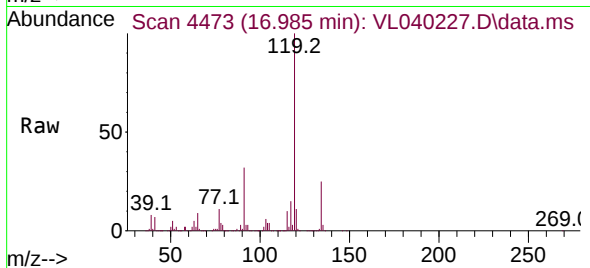
175 4.2 3.4 5.2





#69
p-Isopropyltoluene
Concen: 11.193 ppbv
RT: 16.985 min Scan# 4477
Delta R.T. -0.039 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

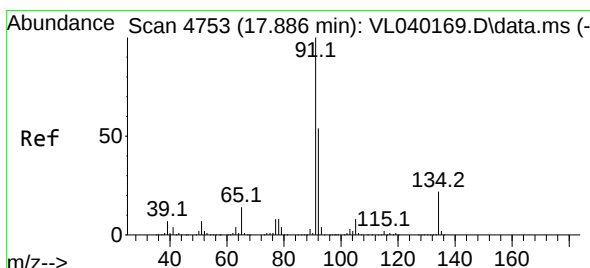
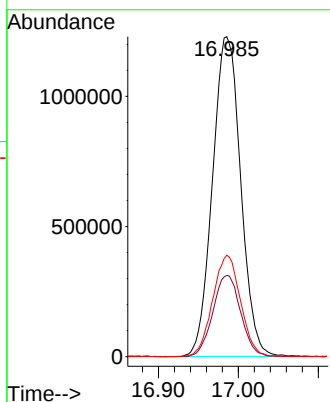
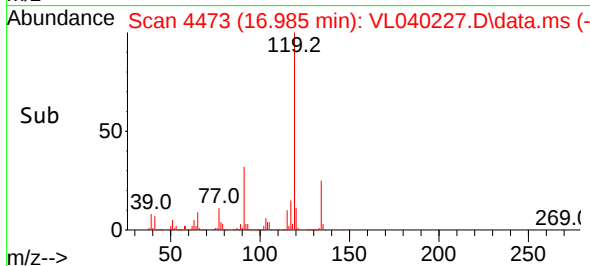
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



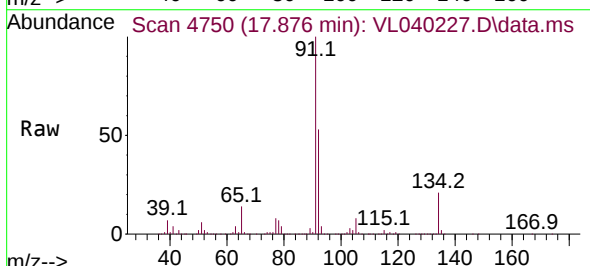
Tgt Ion:119 Resp: 300712
Ion Ratio Lower Upper
119 100
134 25.1 20.2 30.2
91 31.3 24.7 37.1

Manual Integrations
APPROVED

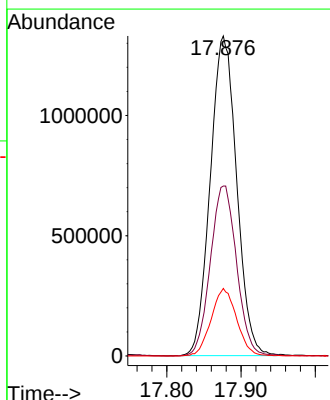
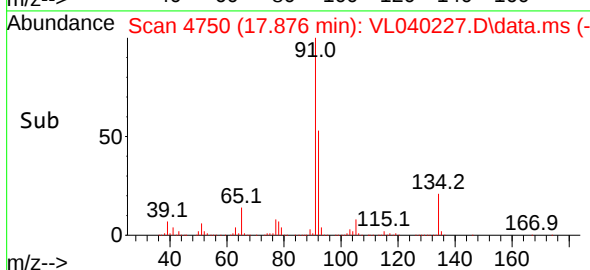
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

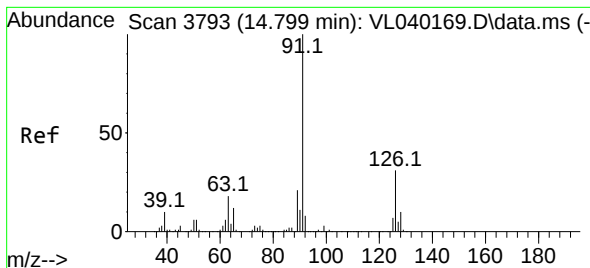


#70
n-Butylbenzene
Concen: 11.266 ppbv
RT: 17.876 min Scan# 4750
Delta R.T. -0.042 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54



Tgt Ion: 91 Resp: 3285199
Ion Ratio Lower Upper
91 100
92 53.1 43.0 64.6
134 20.5 16.9 25.3





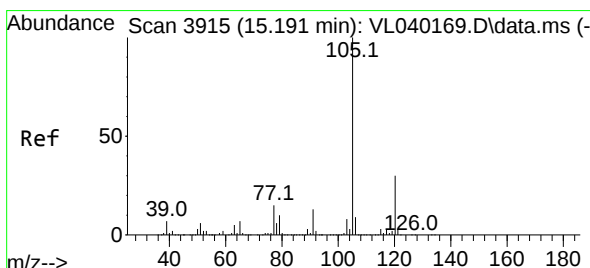
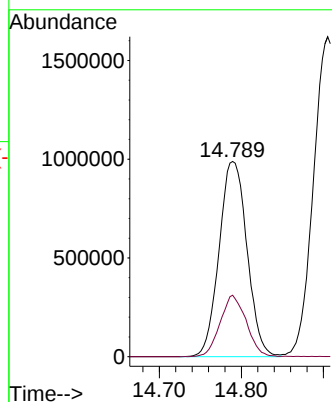
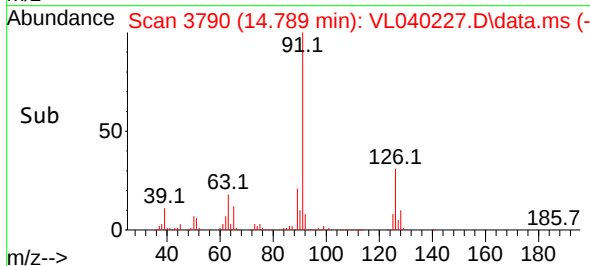
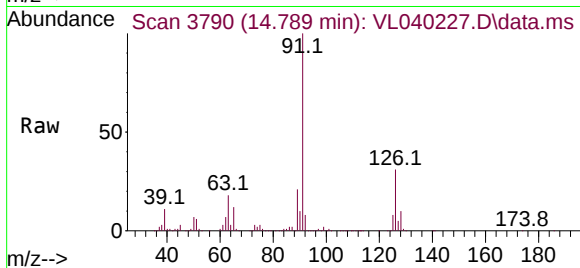
#71
2-Chlorotoluene
Concen: 11.258 ppbv
RT: 14.789 min Scan# 31
Delta R.T. -0.042 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 234048
Ion Ratio Lower Upper
91 100
126 29.6 12.0 48.2

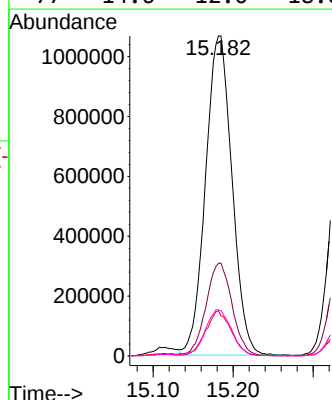
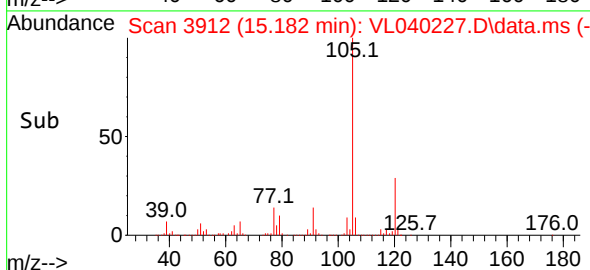
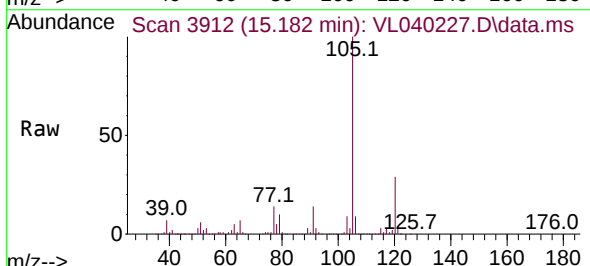
Manual Integrations
APPROVED

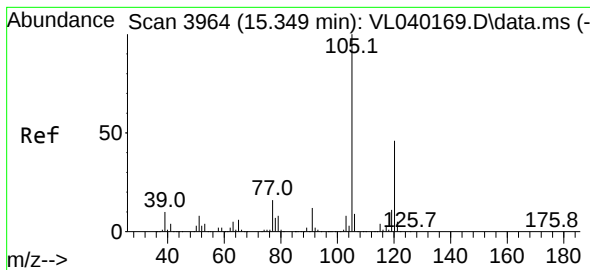
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#72
4-Ethyltoluene
Concen: 11.739 ppbv
RT: 15.182 min Scan# 3912
Delta R.T. -0.039 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

Tgt Ion:105 Resp: 2457548
Ion Ratio Lower Upper
105 100
120 29.5 23.2 34.8
91 13.6 11.3 16.9
77 14.6 12.0 18.0





#73

1,3,5-Trimethylbenzene

Concen: 11.235 ppbv

RT: 15.342 min Scan# 3964

Delta R.T. -0.039 min

Lab File: VL040227.D

Acq: 24 Feb 2023 9:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 2188689

Ion Ratio Lower Upper

105 100

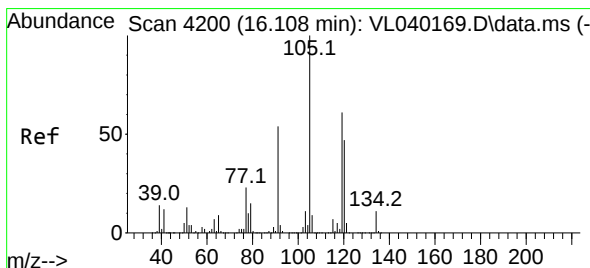
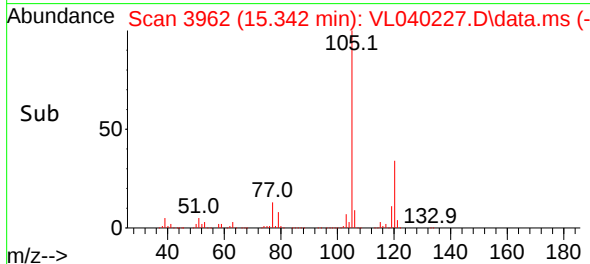
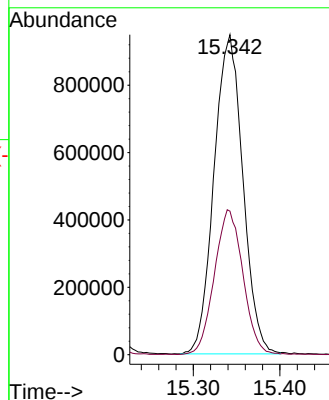
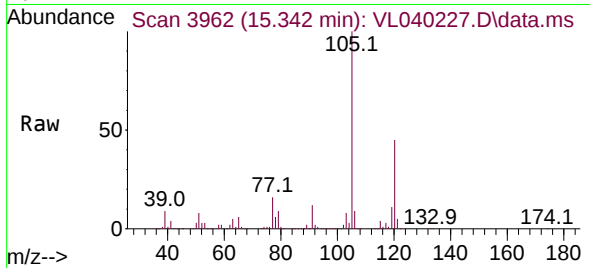
120 44.9 36.8 55.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#74

1,2,4-Trimethylbenzene

Concen: 11.075 ppbv

RT: 16.098 min Scan# 4197

Delta R.T. -0.039 min

Lab File: VL040227.D

Acq: 24 Feb 2023 9:54

Tgt Ion:105 Resp: 2369646

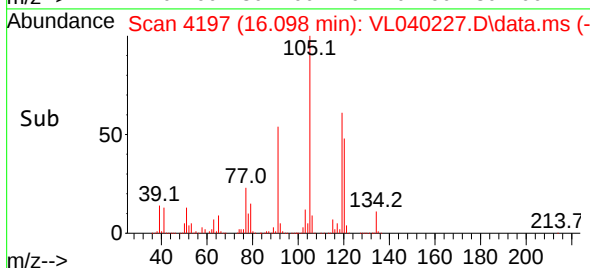
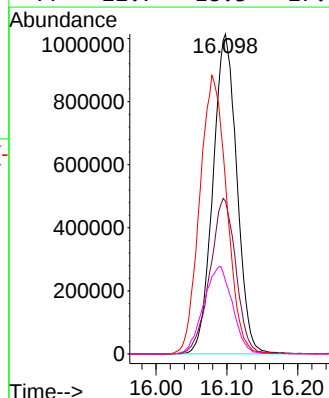
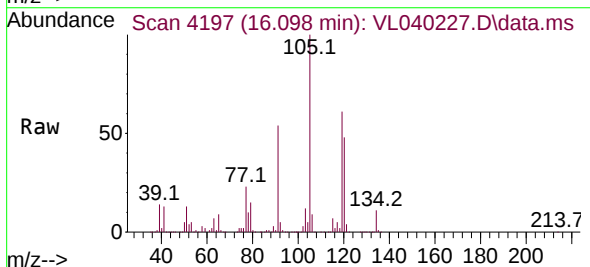
Ion Ratio Lower Upper

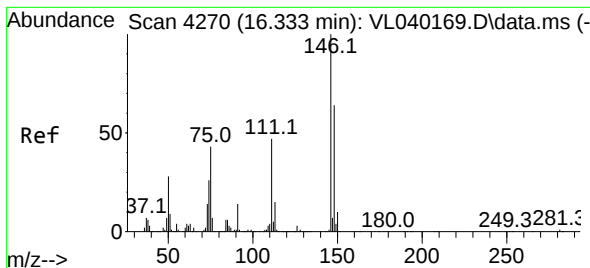
105 100

120 47.6 37.9 56.9

91 53.7 43.7 65.5

77 22.7 18.3 27.5





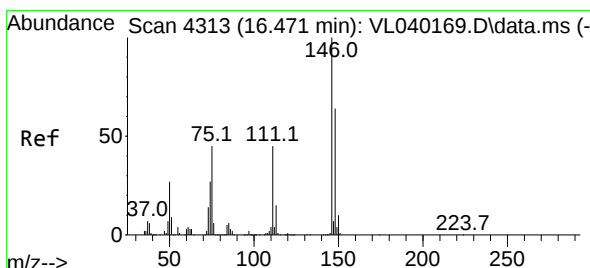
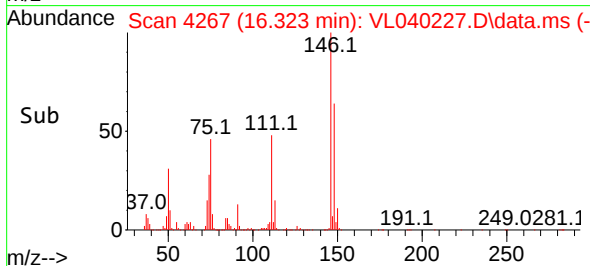
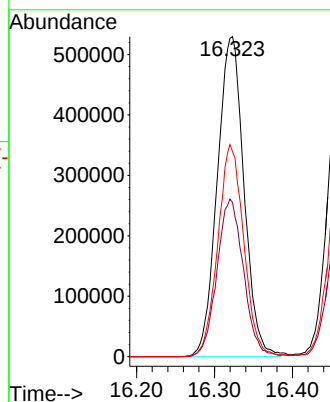
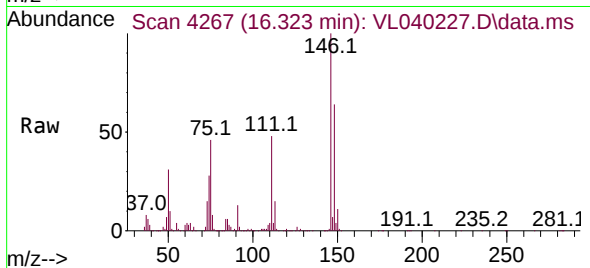
#75
1,3-Dichlorobenzene
Concen: 10.765 ppbv
RT: 16.323 min Scan# 41
Delta R.T. -0.039 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 1260610
Ion Ratio Lower Upper
146 100
111 49.1 23.9 71.8
148 64.6 32.1 96.5

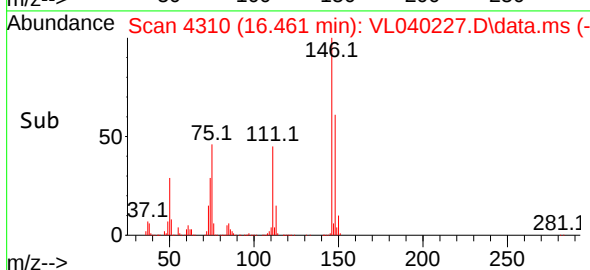
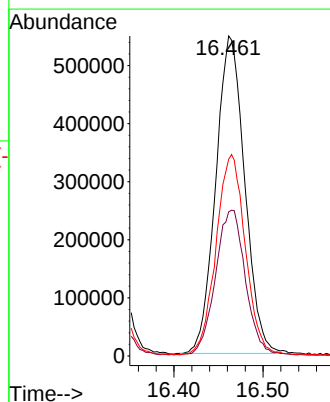
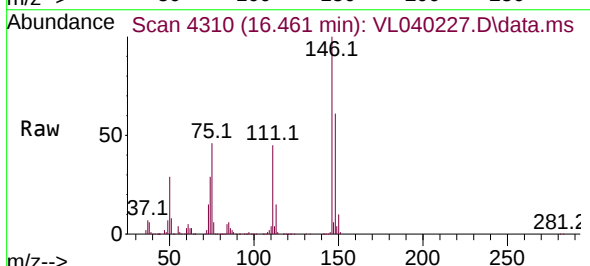
Manual Integrations
APPROVED

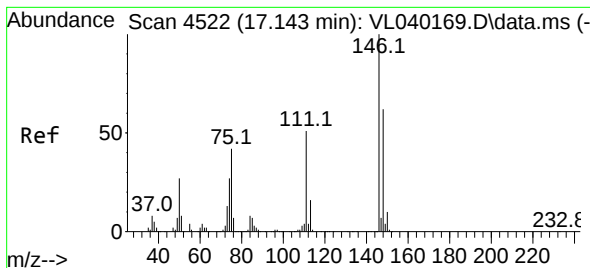
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#76
1,4-Dichlorobenzene
Concen: 10.741 ppbv
RT: 16.461 min Scan# 4310
Delta R.T. -0.042 min
Lab File: VL040227.D
Acq: 24 Feb 2023 9:54

Tgt Ion:146 Resp: 1232530
Ion Ratio Lower Upper
146 100
111 48.1 23.5 70.5
148 65.2 32.5 97.4





#77

1,2-Dichlorobenzene

Concen: 10.388 ppbv

RT: 17.133 min Scan# 41

Delta R.T. -0.045 min

Lab File: VL040227.D

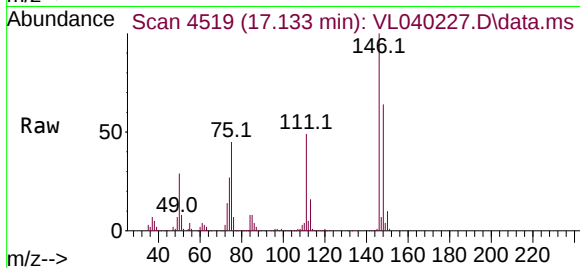
Acq: 24 Feb 2023 9:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:146 Resp: 1208318

Ion Ratio Lower Upper

146 100

111 50.6 25.3 75.8

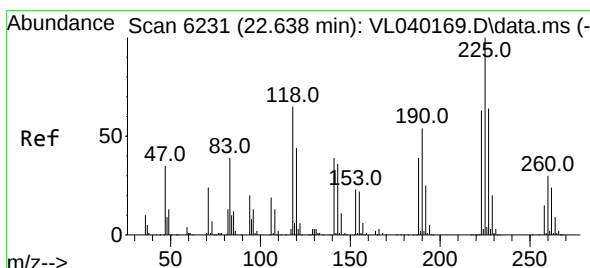
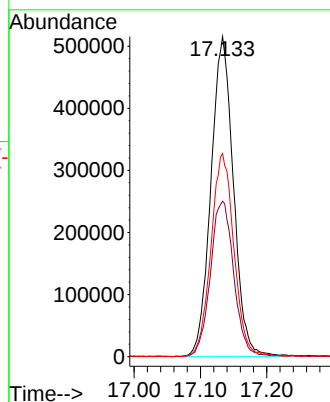
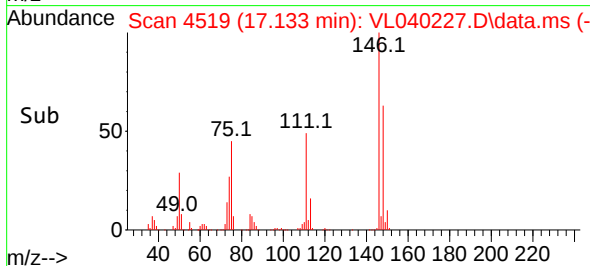
148 65.7 32.0 96.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#78

Hexachloro-1,3-Butadiene

Concen: 10.226 ppbv m

RT: 22.625 min Scan# 6227

Delta R.T. -0.042 min

Lab File: VL040227.D

Acq: 24 Feb 2023 9:54

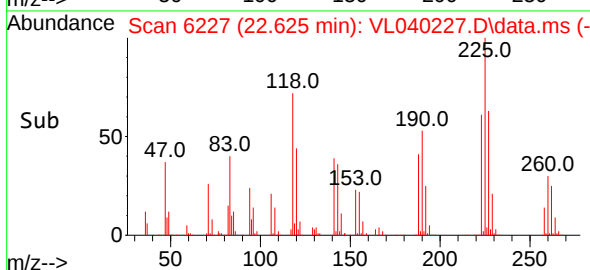
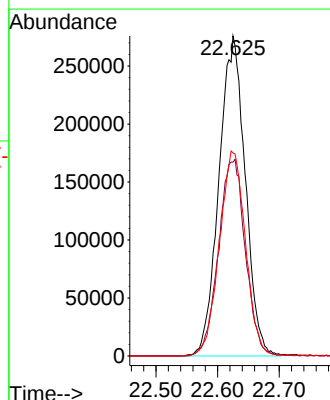
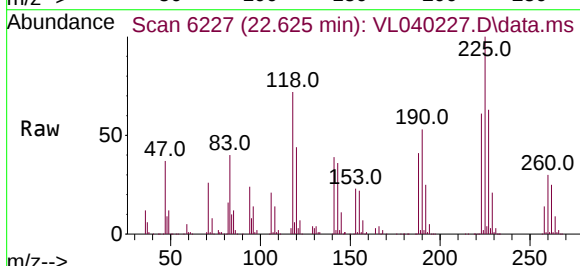
Tgt Ion:225 Resp: 817174

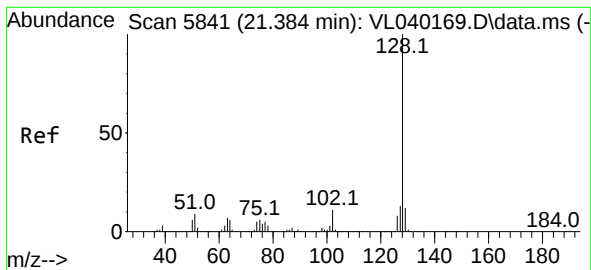
Ion Ratio Lower Upper

225 100

223 0.0 51.0 76.6#

227 0.0 51.2 76.8#





#79

Naphthalene

Concen: 13.596 ppbv

RT: 21.378 min Scan# 5839

Delta R.T. -0.042 min

Lab File: VL040227.D

Acq: 24 Feb 2023 9:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:128 Resp: 163434

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

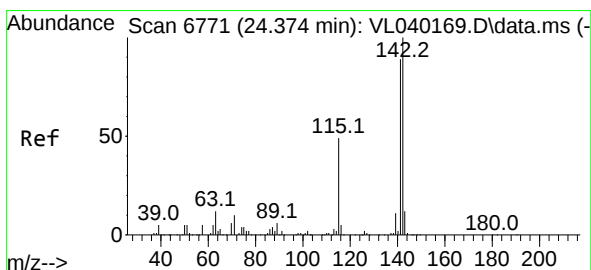
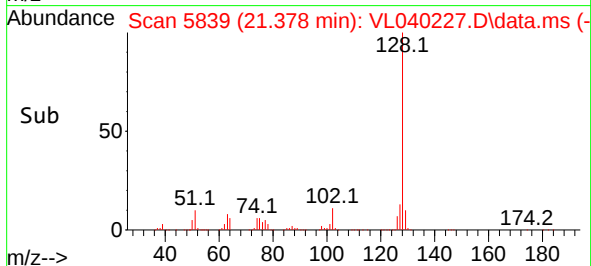
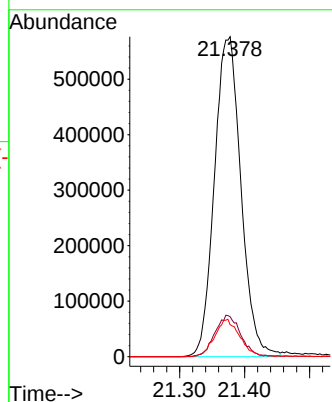
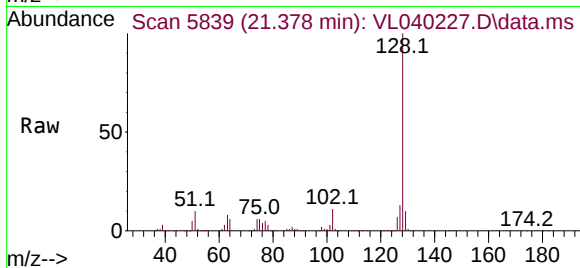
129 10.0 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#80

Naphthalene,2-methyl-

Concen: 10.408 ppbv

RT: 24.368 min Scan# 6769

Delta R.T. -0.032 min

Lab File: VL040227.D

Acq: 24 Feb 2023 9:54

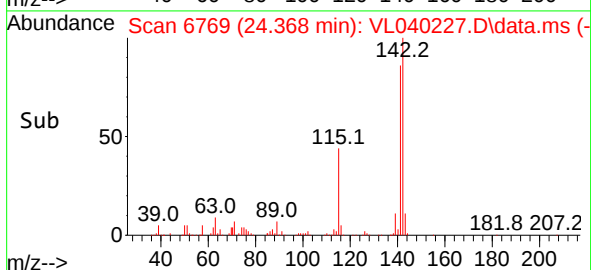
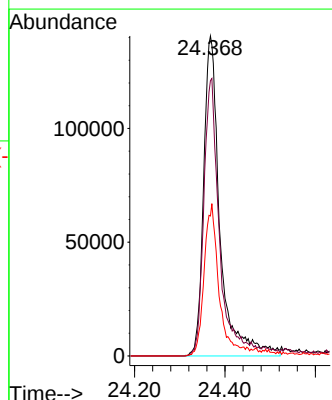
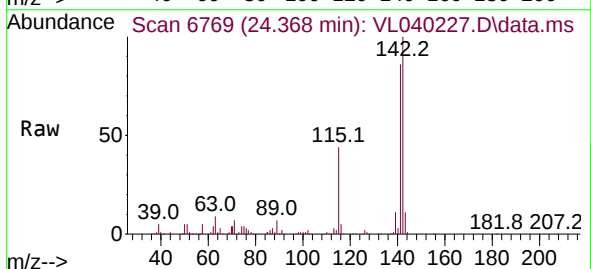
Tgt Ion:142 Resp: 355768

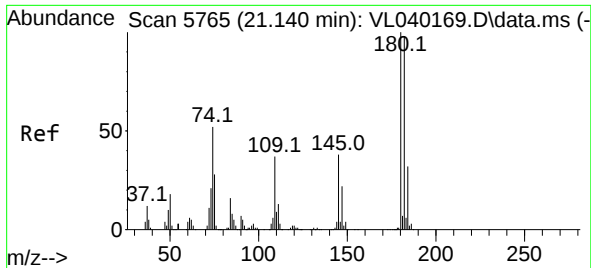
Ion Ratio Lower Upper

142 100

141 84.9 67.3 100.9

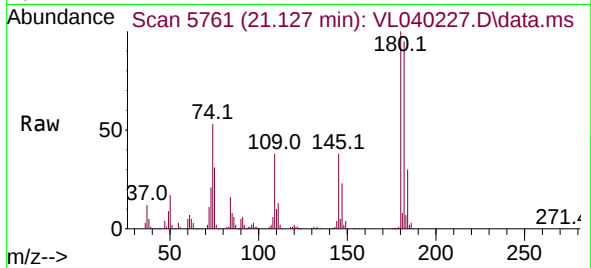
115 45.6 36.5 54.7





#81
 1,2,4-Trichlorobenzene
 Concen: 11.737 ppbv
 RT: 21.127 min Scan# 51
 Delta R.T. -0.048 min
 Lab File: VL040227.D
 Acq: 24 Feb 2023 9:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion:180 Resp: 88294
 Ion Ratio Lower Upper
 180 100
 182 96.6 79.0 118.6
 184 30.6 24.6 36.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023

