

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040925.D
 Acq On : 21 Dec 2023 11:14
 Operator : SY/MD
 Sample : VL1221ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1221ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/25/2023
 Supervised By : Mahesh Dadoda 12/26/2023

Quant Time: Dec 22 00:04:51 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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

QLast Update : Thu Dec 21 07:32:42 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1163192	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3037149	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	3109927	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.741 95 2152824 9.398 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.751	85	1912663	8.633	ppbv	98
3) Chlorodifluoromethane	2.697	51	1726958	9.866	ppbv	100
4) Chloromethane	2.832	50	650958	10.086	ppbv	95
5) Vinyl Chloride	2.938	62	674575	10.827	ppbv	95
6) Bromomethane	3.134	94	291043	10.530	ppbv	98
7) Chloroethane	3.211	64	229281	10.323	ppbv	97
8) Dichlorotetrafluoroethane	2.877	85	1608235	10.074	ppbv	100
9) Propene	2.716	41	583512	10.103	ppbv	98
10) Heptane	7.558	43	1463899	10.196	ppbv	100
11) Trichlorofluoromethane	3.571	101	1797396	10.376	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.070	101	1290145	9.591	ppbv	99
13) Ethanol	3.253	45	128801	8.840	ppbv	99
14) Bromoethene	3.378	108	513011	10.406	ppbv	98
15) Acetone	3.478	43	1237059	8.867	ppbv	99
16) 1,3-Butadiene	3.002	39	638938	10.637	ppbv	99
17) tert-Butyl alcohol	3.883	59	1098819	10.648	ppbv	98
18) 1,1-Dichloroethene	3.886	96	564262	10.160	ppbv	99
19) Isopropyl Alcohol	3.584	45	778480	10.694	ppbv	99
20) Methylene Chloride	3.938	84	463728	9.326	ppbv	98
21) Allyl Chloride	3.999	41	842266	10.214	ppbv	99
22) trans-1,2-Dichloroethene	4.446	96	614535	9.704	ppbv	97
23) Vinyl Acetate	4.623	43	1474021	9.578	ppbv	98
24) 1,1-Dichloroethane	4.562	63	1218654	8.852	ppbv	99
25) Ethyl Acetate	5.195	43	2401016	9.933	ppbv	99
26) Hexane	5.208	57	1051047	9.811	ppbv	100
27) Carbon Disulfide	4.128	76	1460704	10.075	ppbv	97
28) Methyl tert-Butyl Ether	4.584	73	903418	9.088	ppbv	99
29) Chloroform	5.269	83	1782675	9.861	ppbv	100
30) Cyclohexane	6.587	84	897511	10.049	ppbv	97
31) cis-1,2-Dichloroethene	5.073	61	960357	8.727	ppbv	99
32) 1,1,1-Trichloroethane	5.989	97	1829408	10.466	ppbv	99
34) 2-Butanone	4.780	43	1355605	8.438	ppbv	100
35) Carbon Tetrachloride	6.475	117	1931877	10.157	ppbv	99
36) Benzene	6.356	78	2320070	9.772	ppbv	99
37) 1,2-Dichloroethane	5.796	62	1380210	9.702	ppbv	99
38) Trichloroethene	7.275	130	915119	10.262	ppbv	97
39) 1,2-Dichloropropane	7.053	63	911089	9.765	ppbv	98
40) 1,4-Dioxane	7.262	88	366957	9.315	ppbv	97
41) Tetrahydrofuran	5.545	42	967906	9.902	ppbv	98
42) Bromodichloromethane	7.230	83	2024365	9.866	ppbv	98
43) Methyl Methacrylate	7.452	69	959231m	10.300	ppbv	
44) 2,2,4-Trimethylpentane	7.307	57	3819665	9.471	ppbv	100
45) t-1,3-Dichloropropene	8.684	75	790813	11.446	ppbv	100

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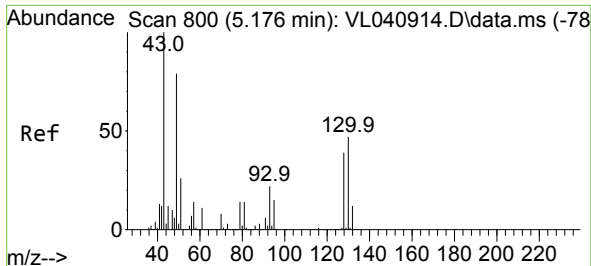
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Dec 21 07:32:42 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	911962	10.661	ppbv	99
47) 1,1,2-Trichloroethane	8.873	97	973543	9.837	ppbv	99
48) Dibromochloromethane	9.680	129	1742305	10.313	ppbv	99
49) Bromoform	12.378	173	1397679	10.722	ppbv	99
50) 4-Methyl-2-Pentanone	8.160	43	2410438	9.906	ppbv	98
51) 2-Hexanone	9.523	43	1800535	10.281	ppbv	100
52) Tetrachloroethene	10.590	164	805036	10.066	ppbv	98
53) Toluene	9.195	91	2653955	10.081	ppbv	99
54) 1,2-Dibromoethane	9.979	107	1414796	10.417	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.478	131	1224695	9.005	ppbv	99
57) Chlorobenzene	11.497	112	2059083	8.991	ppbv	98
58) Ethyl Benzene	12.056	91	3594537	8.999	ppbv	99
59) m/p-Xylene	12.339	91	6057032m	17.827	ppbv	
60) o-Xylene	13.027	91	2869732	8.964	ppbv	100
61) Styrene	12.867	104	1528022	10.041	ppbv	99
62) Isopropylbenzene	13.995	105	4216692	8.882	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.015	83	2102828	9.118	ppbv	99
64) n-propylbenzene	14.883	120	1102713	9.260	ppbv	100
65) tert-Butylbenzene	16.056	119	3713765	9.203	ppbv	100
66) Benzyl Chloride	16.294	91	317228	11.488	ppbv	100
67) sec-Butylbenzene	16.603	105	5245366	8.944	ppbv	100
69) p-Isopropyltoluene	16.963	119	4229373	9.278	ppbv	99
70) n-Butylbenzene	17.857	91	4506383	9.523	ppbv	99
71) 2-Chlorotoluene	14.767	91	3288177	8.994	ppbv	100
72) 4-Ethyltoluene	15.162	105	3355602	9.551	ppbv	99
73) 1,3,5-Trimethylbenzene	15.320	105	2900936	9.566	ppbv	98
74) 1,2,4-Trimethylbenzene	16.076	105	3169223	9.390	ppbv	98
75) 1,3-Dichlorobenzene	16.297	146	1841848	9.554	ppbv	99
76) 1,4-Dichlorobenzene	16.442	146	1801265	9.551	ppbv	98
77) 1,2-Dichlorobenzene	17.108	146	1740181	9.370	ppbv	100
78) Hexachloro-1,3-Butadiene	22.593	225	945694	8.279	ppbv	99
79) Naphthalene	21.349	128	2142564m	13.176	ppbv	
80) Naphthalene,2-methyl-	24.349	142	418580	14.083	ppbv	97
81) 1,2,4-Trichlorobenzene	21.108	180	1082581	11.596	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.185 min Scan# 80

Delta R.T. 0.009 min

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MSVOA_L

ClientSampleId :

VL1221ABS01

Tgt Ion: 49 Resp: 116319

Ion Ratio Lower Upper

49 100

128 49.1 23.8 71.2

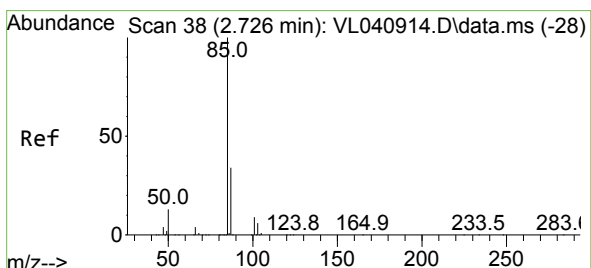
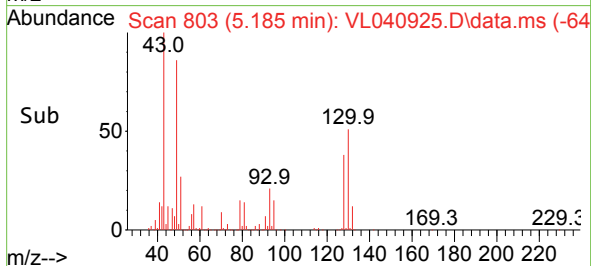
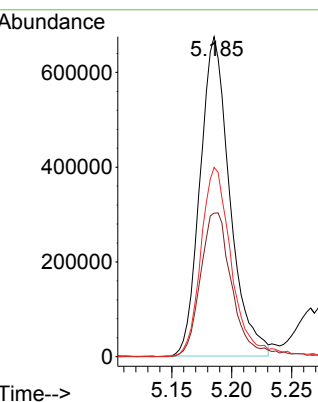
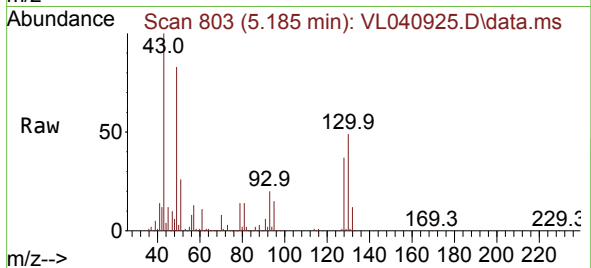
130 62.4 30.1 90.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/25/2023

Supervised By :Mahesh Dadoda 12/26/2023



#2

Dichlorodifluoromethane

Concen: 8.633 ppbv

RT: 2.751 min Scan# 46

Delta R.T. 0.026 min

Lab File: VL040925.D

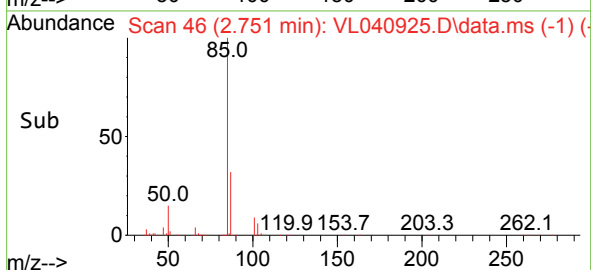
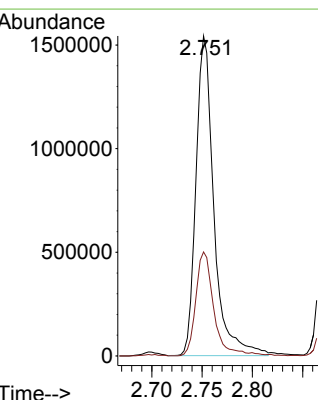
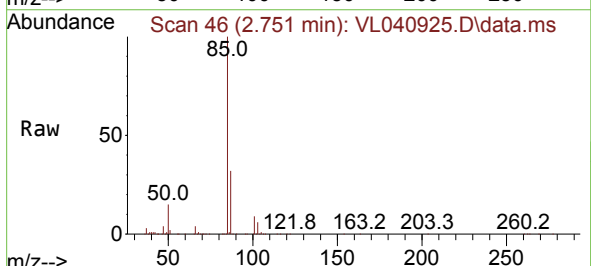
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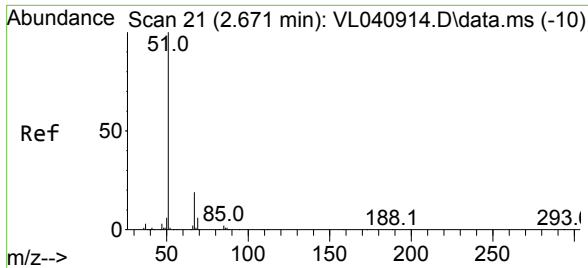
Tgt Ion: 85 Resp: 1912663

Ion Ratio Lower Upper

85 100

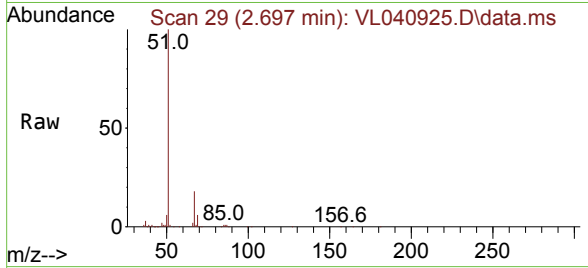
87 32.5 27.0 40.6





#3
Chlorodifluoromethane
Concen: 9.866 ppbv
RT: 2.697 min Scan# 29
Delta R.T. 0.026 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

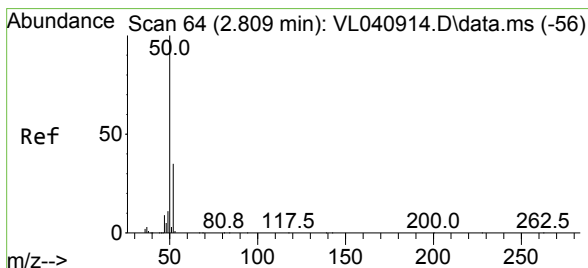
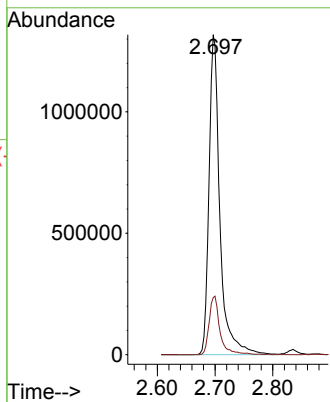
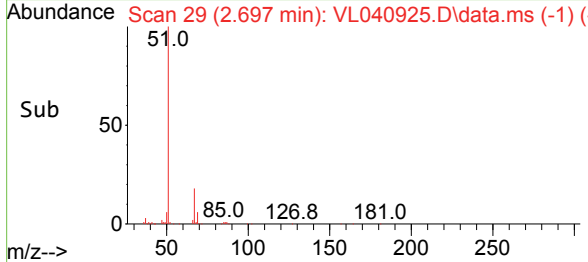
Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01



Tgt Ion: 51 Resp: 1726958
Ion Ratio Lower Upper
51 100
67 18.4 14.7 22.1

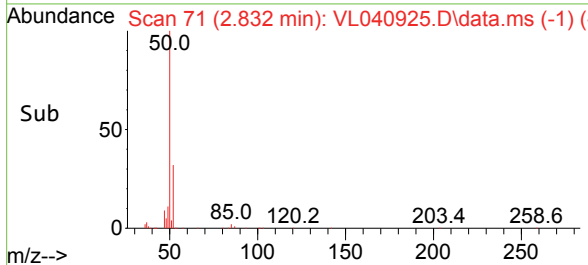
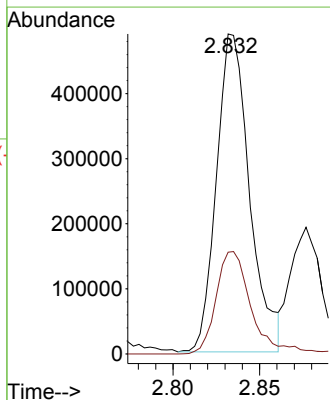
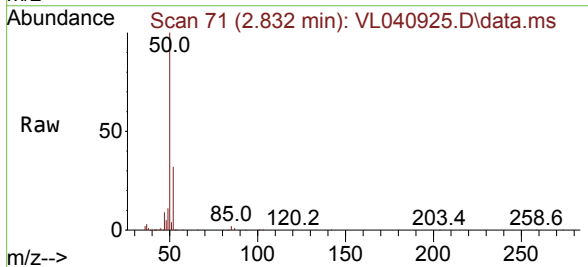
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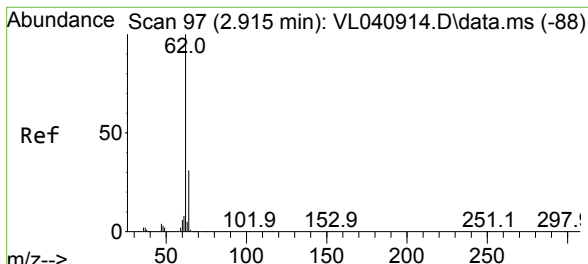
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023



#4
Chloromethane
Concen: 10.086 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.023 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

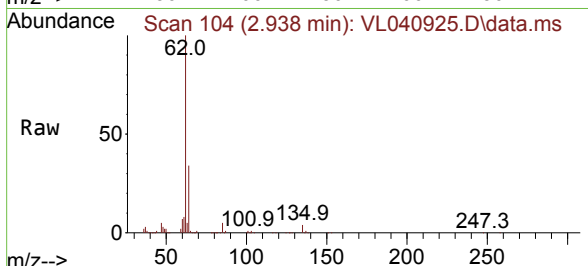
Tgt Ion: 50 Resp: 650958
Ion Ratio Lower Upper
50 100
52 32.0 28.0 42.0





#5
 Vinyl Chloride
 Concen: 10.827 ppbv
 RT: 2.938 min Scan# 104
 Delta R.T. 0.023 min
 Lab File: VL040925.D
 Acq: 21 Dec 2023 11:14

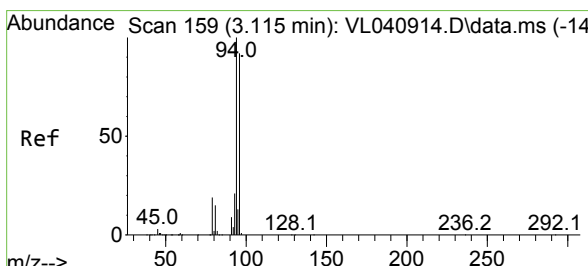
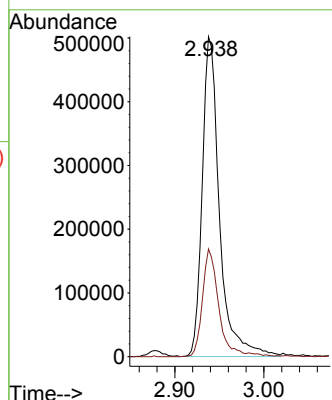
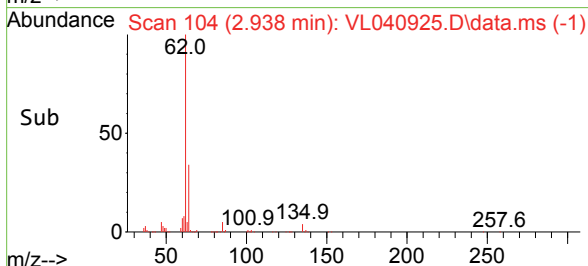
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1221ABS01



Tgt Ion: 62 Resp: 67457
 Ion Ratio Lower Upper
 62 100
 64 33.7 24.9 37.3

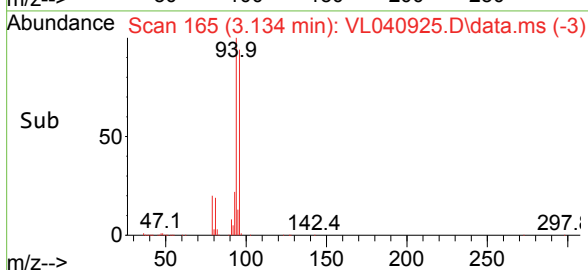
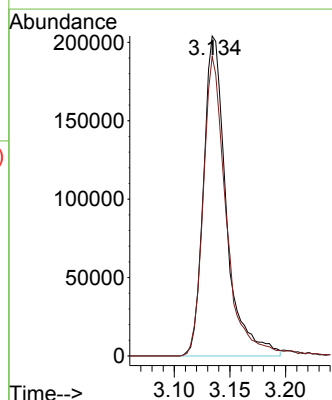
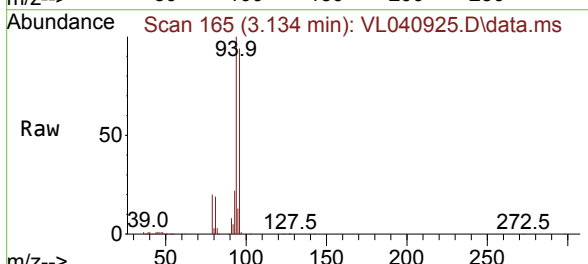
Manual Integrations
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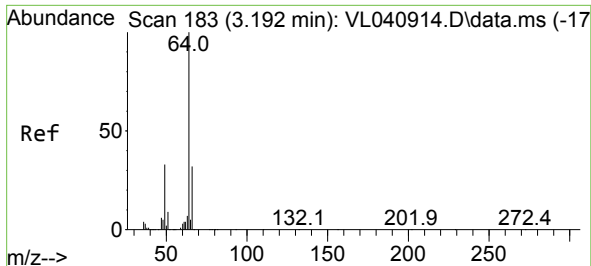
Reviewed By :Semsettin Yesilyurt 12/25/2023
 Supervised By :Mahesh Dadoda 12/26/2023



#6
 Bromomethane
 Concen: 10.530 ppbv
 RT: 3.134 min Scan# 165
 Delta R.T. 0.019 min
 Lab File: VL040925.D
 Acq: 21 Dec 2023 11:14

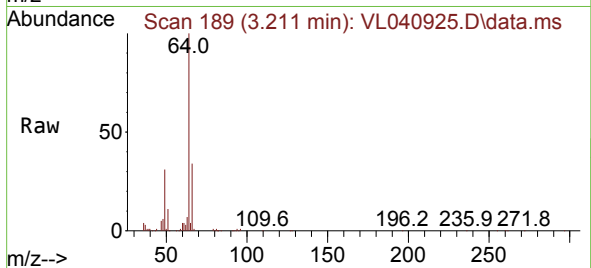
Tgt Ion: 94 Resp: 291043
 Ion Ratio Lower Upper
 94 100
 96 93.6 73.2 109.8





#7
Chloroethane
Concen: 10.323 ppbv
RT: 3.211 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

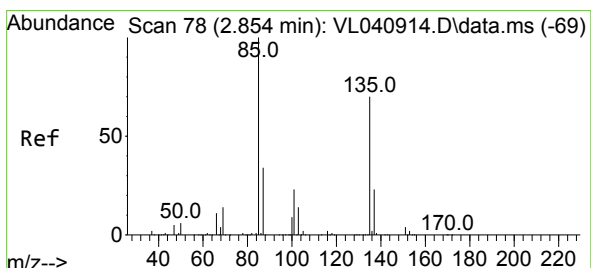
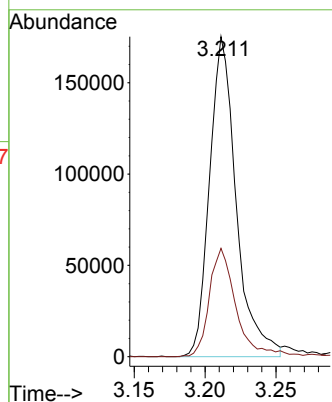
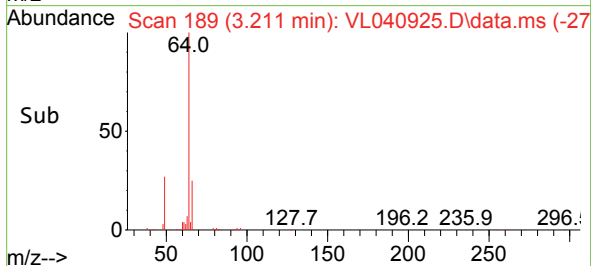
Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01



Tgt Ion: 64 Resp: 22928
Ion Ratio Lower Upper
64 100
66 33.9 25.7 38.5

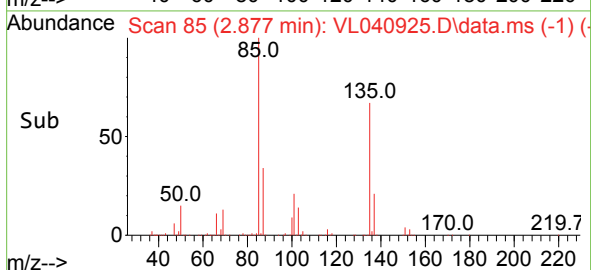
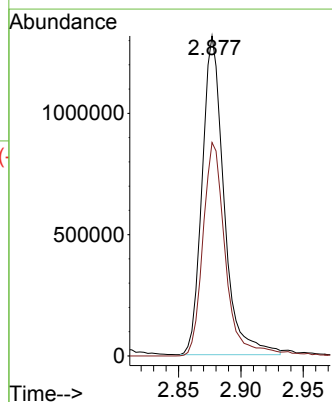
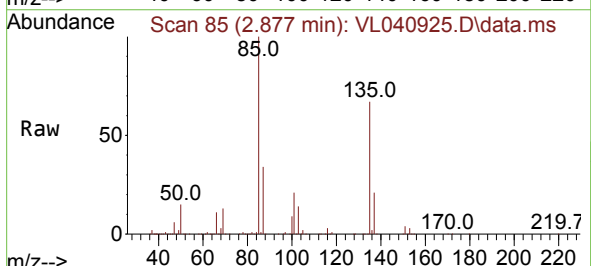
Manual Integrations
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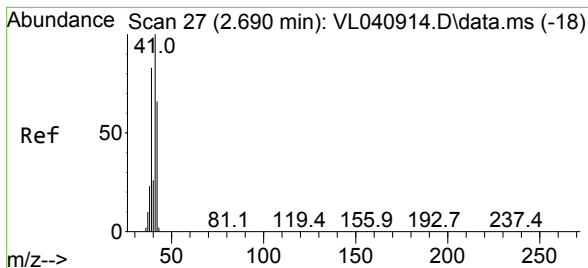
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023



#8
Dichlorotetrafluoroethane
Concen: 10.074 ppbv
RT: 2.877 min Scan# 85
Delta R.T. 0.023 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

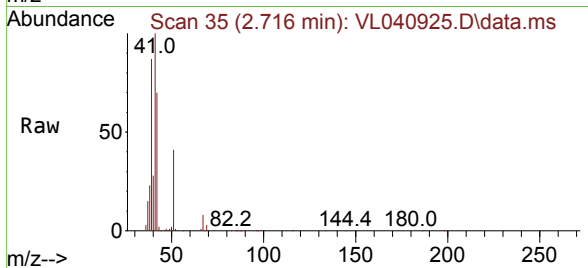
Tgt Ion: 85 Resp: 1608235
Ion Ratio Lower Upper
85 100
135 69.9 55.8 83.8





#9
 Propene
 Concen: 10.103 ppbv
 RT: 2.716 min Scan# 30
 Delta R.T. 0.026 min
 Lab File: VL040925.D
 Acq: 21 Dec 2023 11:14

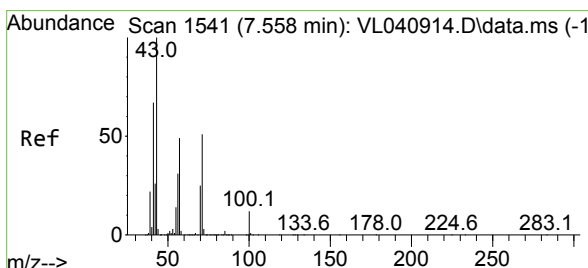
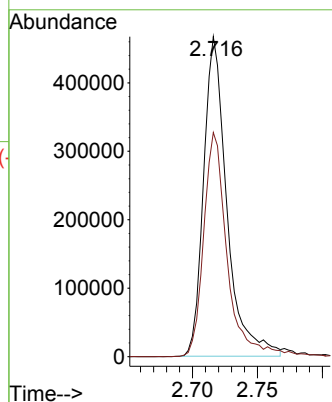
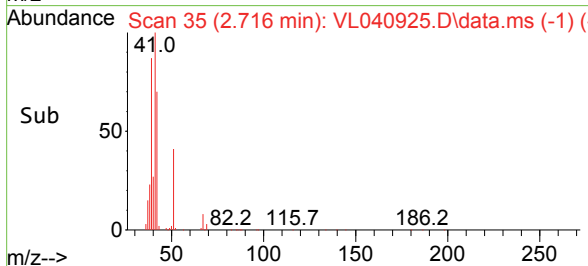
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1221ABS01



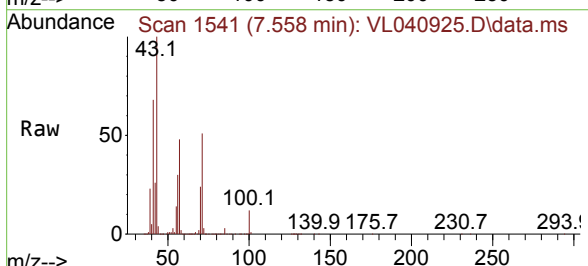
Tgt Ion: 41 Resp: 583512
 Ion Ratio Lower Upper
 41 100
 42 71.7 55.8 83.6

Manual Integrations
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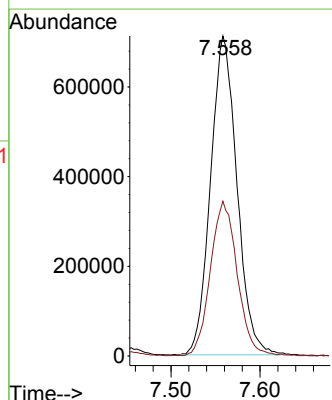
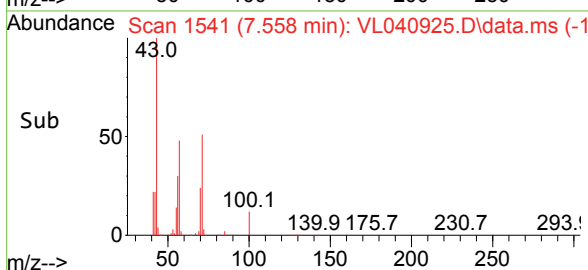
Reviewed By :Semsettin Yesilyurt 12/25/2023
 Supervised By :Mahesh Dadoda 12/26/2023

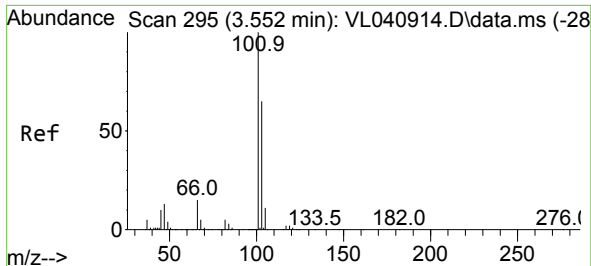


#10
 Heptane
 Concen: 10.196 ppbv
 RT: 7.558 min Scan# 1541
 Delta R.T. 0.000 min
 Lab File: VL040925.D
 Acq: 21 Dec 2023 11:14



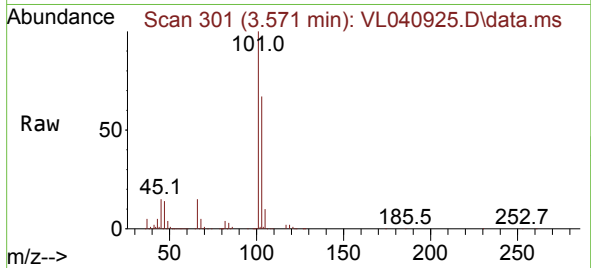
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 Ion Ratio Lower Upper
 43 100
 57 49.4 39.3 58.9





#11
Trichlorofluoromethane
Concen: 10.376 ppbv
RT: 3.571 min Scan# 301
Delta R.T. 0.019 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

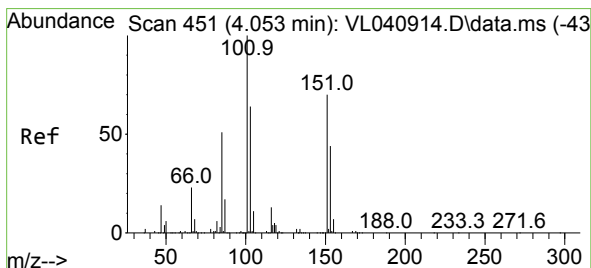
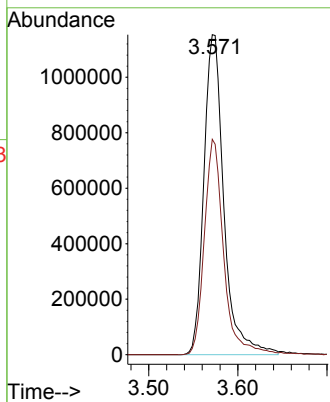
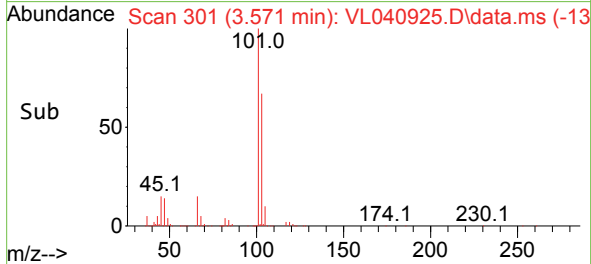
Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01



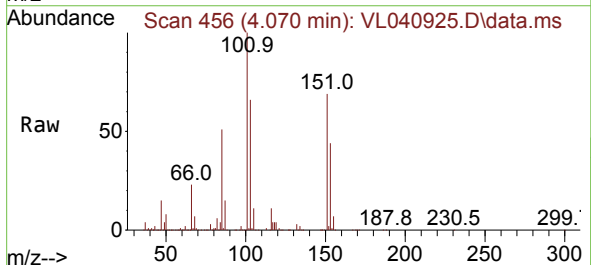
Tgt Ion:101 Resp: 1797390
Ion Ratio Lower Upper
101 100
103 67.3 51.9 77.9

Manual Integrations
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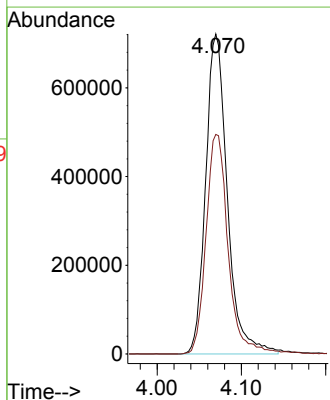
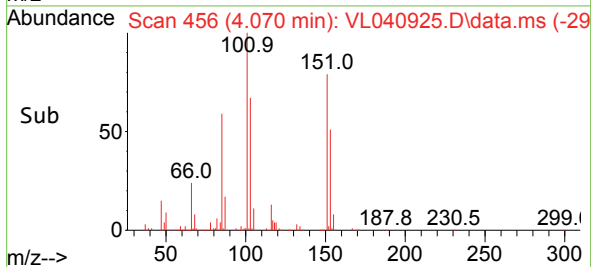
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023

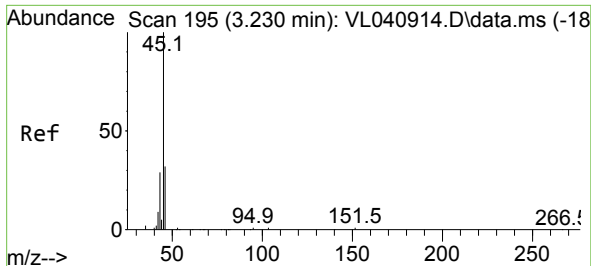


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.591 ppbv
RT: 4.070 min Scan# 456
Delta R.T. 0.016 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14



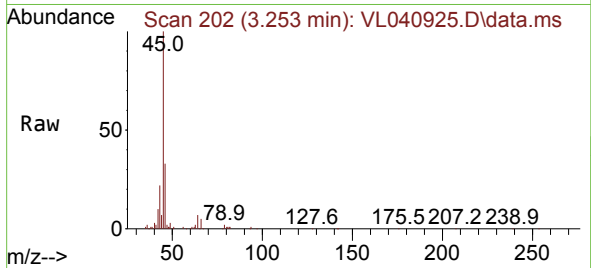
Tgt Ion:101 Resp: 1290145
Ion Ratio Lower Upper
101 100
151 70.3 55.8 83.8





#13
Ethanol
Concen: 8.840 ppbv
RT: 3.253 min Scan# 20
Delta R.T. 0.023 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

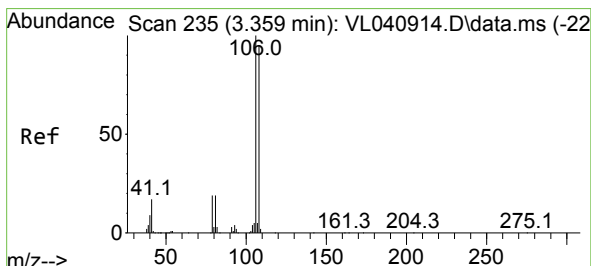
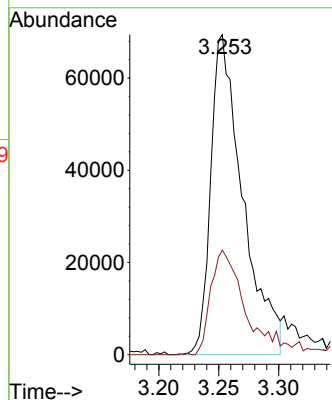
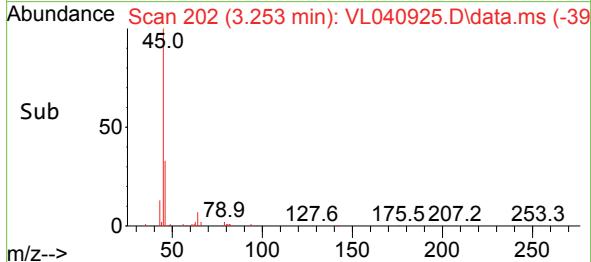
Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01



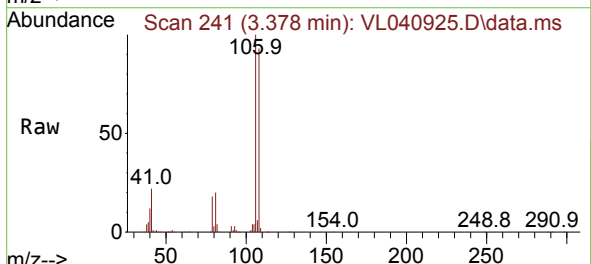
Tgt Ion: 45 Resp: 12880
Ion Ratio Lower Upper
45 100
46 38.1 15.0 60.0

Manual Integrations
APPROVED

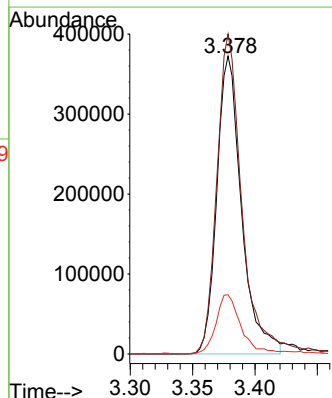
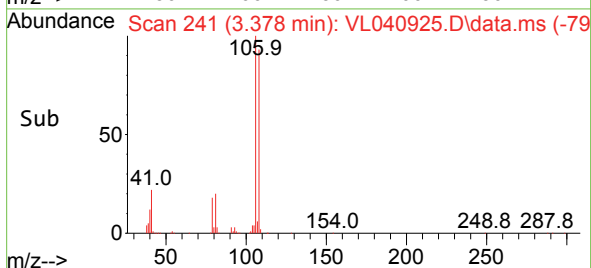
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023

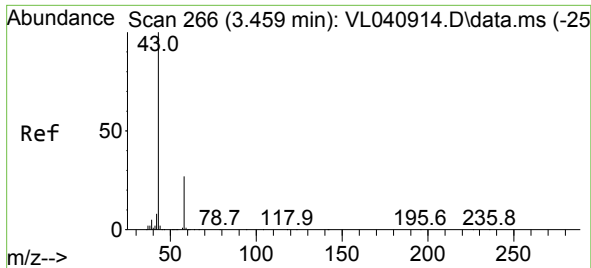


#14
Bromoethene
Concen: 10.406 ppbv
RT: 3.378 min Scan# 241
Delta R.T. 0.019 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14



Tgt Ion:108 Resp: 513011
Ion Ratio Lower Upper
108 100
106 111.3 87.5 131.3
79 21.0 16.6 24.8





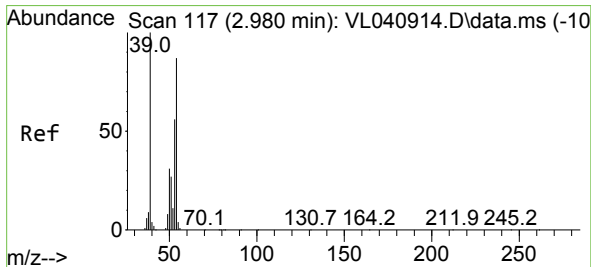
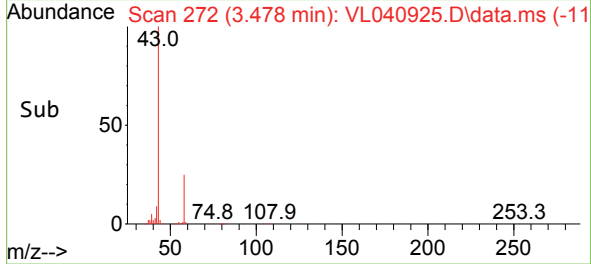
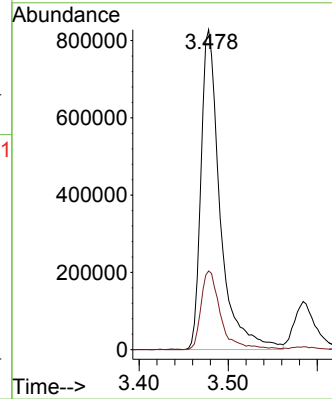
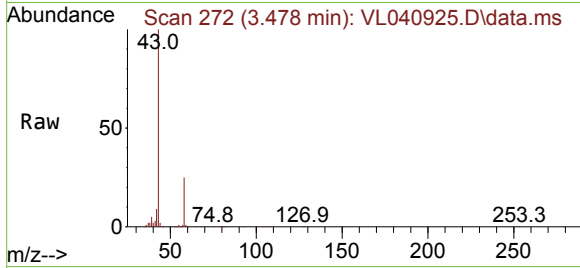
#15
Acetone
Concen: 8.867 ppbv
RT: 3.478 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01

Tgt Ion: 43 Resp: 1237059
Ion Ratio Lower Upper
43 100
58 25.4 20.6 30.8

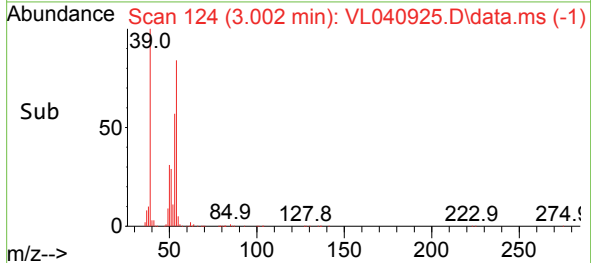
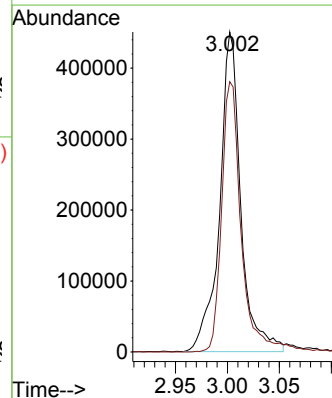
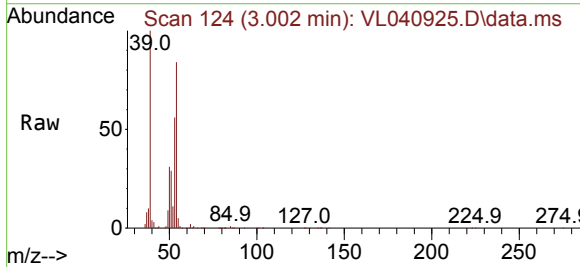
Manual Integrations
APPROVED

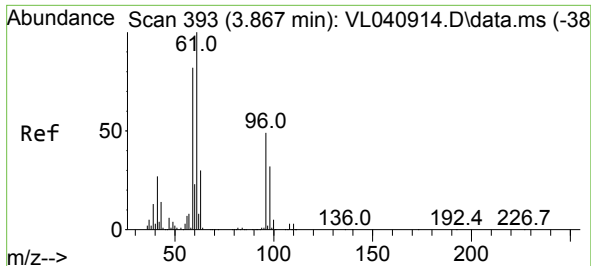
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023



#16
1,3-Butadiene
Concen: 10.637 ppbv
RT: 3.002 min Scan# 124
Delta R.T. 0.023 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

Tgt Ion: 39 Resp: 638938
Ion Ratio Lower Upper
39 100
54 79.0 63.8 95.6





#17

tert-Butyl alcohol

Concen: 10.648 ppbv

RT: 3.883 min Scan# 398

Delta R.T. 0.016 min

Lab File: VL040925.D

Acq: 21 Dec 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

VL1221ABS01

Tgt Ion: 59 Resp: 1098819

Ion Ratio Lower Upper

59 100

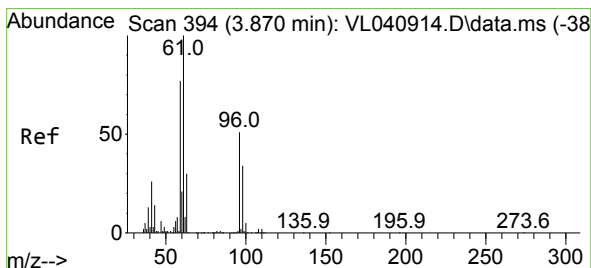
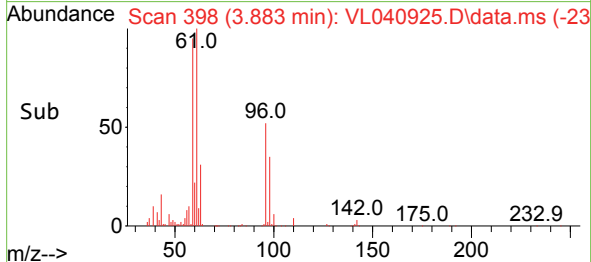
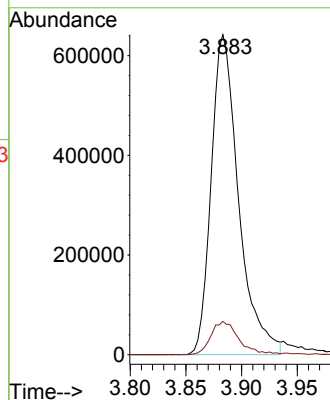
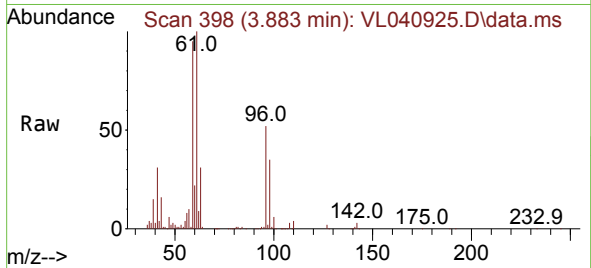
57 11.0 8.3 12.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/25/2023

Supervised By :Mahesh Dadoda 12/26/2023



#18

1,1-Dichloroethene

Concen: 10.160 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.016 min

Lab File: VL040925.D

Acq: 21 Dec 2023 11:14

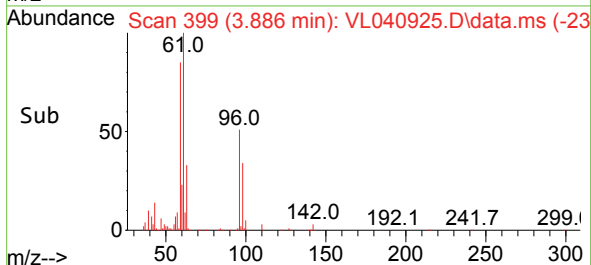
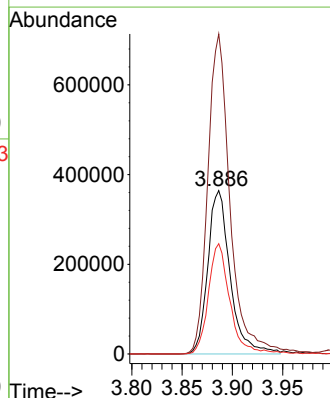
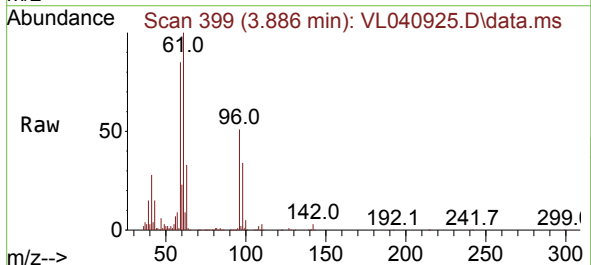
Tgt Ion: 96 Resp: 564262

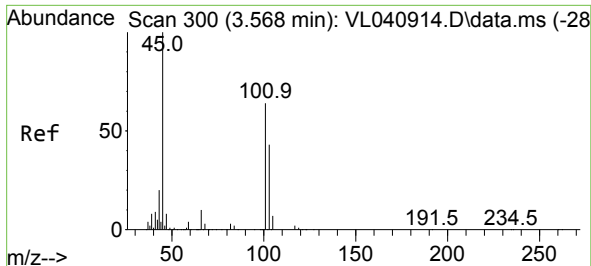
Ion Ratio Lower Upper

96 100

61 195.9 156.6 235.0

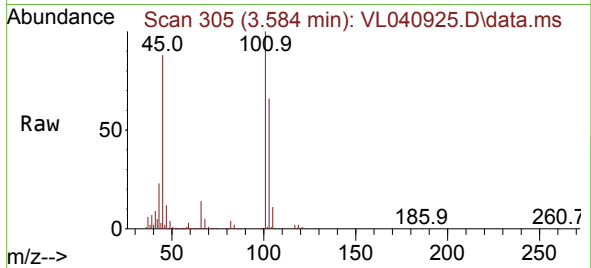
98 67.5 52.5 78.7





#19
Isopropyl Alcohol
Concen: 10.694 ppbv
RT: 3.584 min Scan# 300
Delta R.T. 0.016 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

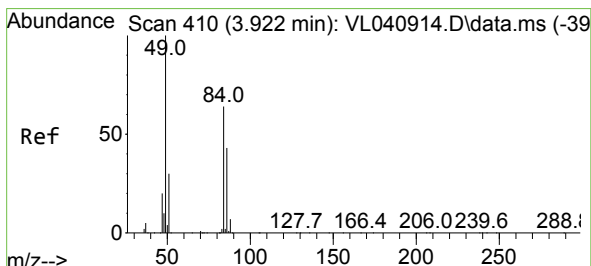
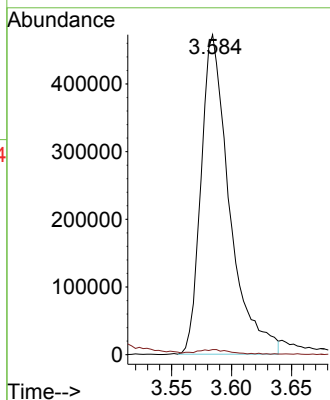
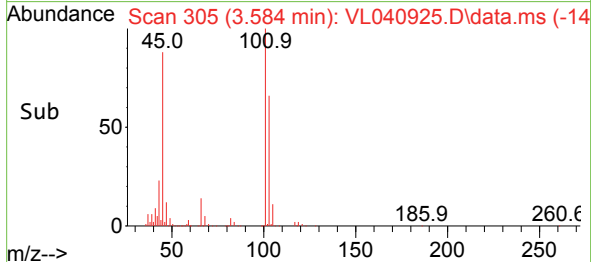
Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01



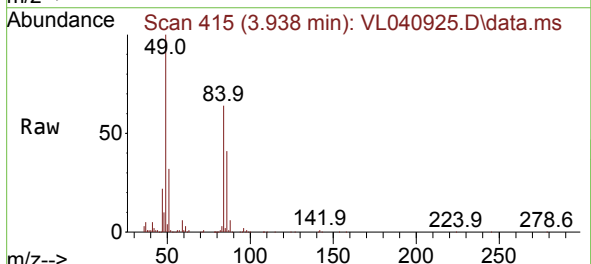
Tgt Ion: 45 Resp: 778480
Ion Ratio Lower Upper
45 100
58 2.1 1.5 2.3

Manual Integrations
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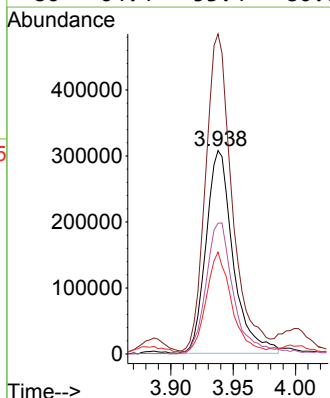
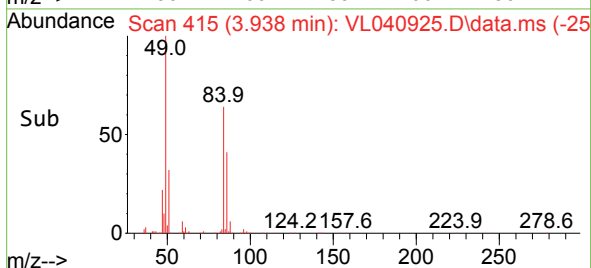
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023

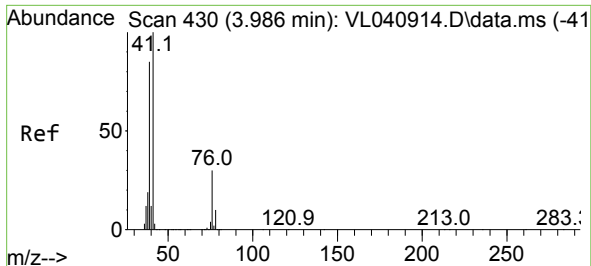


#20
Methylene Chloride
Concen: 9.326 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.016 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14



Tgt Ion: 84 Resp: 463728
Ion Ratio Lower Upper
84 100
49 155.3 124.6 187.0
51 49.0 37.2 55.8
86 64.4 53.4 80.0





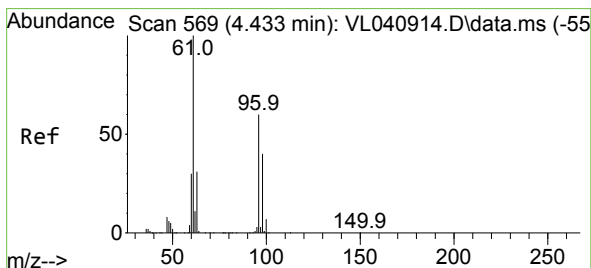
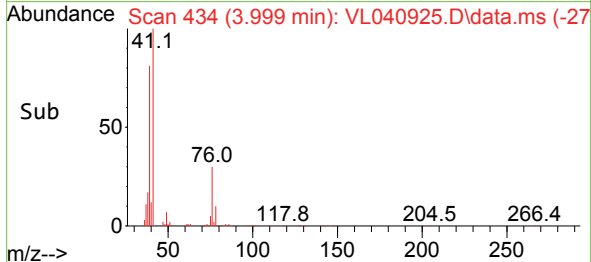
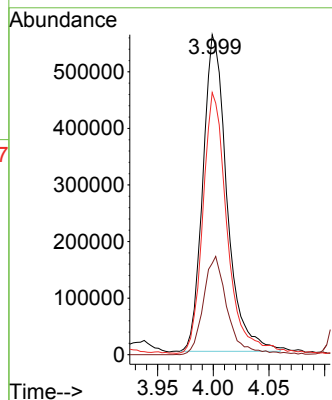
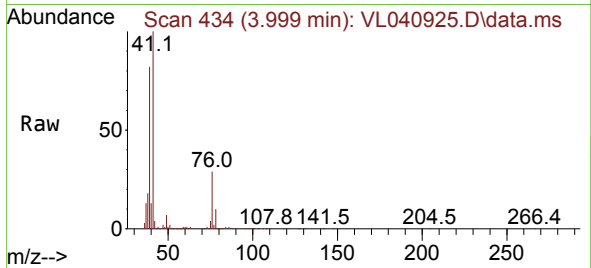
#21
 Allyl Chloride
 Concen: 10.214 ppbv
 RT: 3.999 min Scan# 41
 Delta R.T. 0.013 min
 Lab File: VL040925.D
 Acq: 21 Dec 2023 11:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1221ABS01

Tgt Ion: 41 Resp: 842260
 Ion Ratio Lower Upper
 41 100
 76 31.0 23.9 35.9
 39 83.4 66.5 99.7

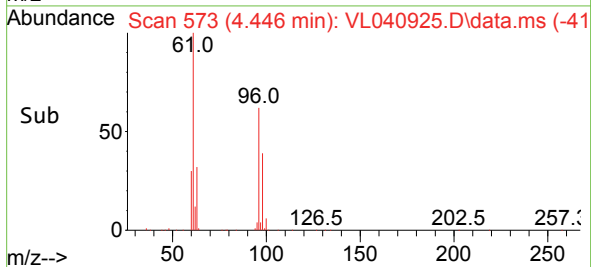
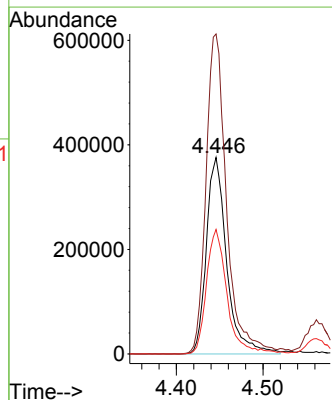
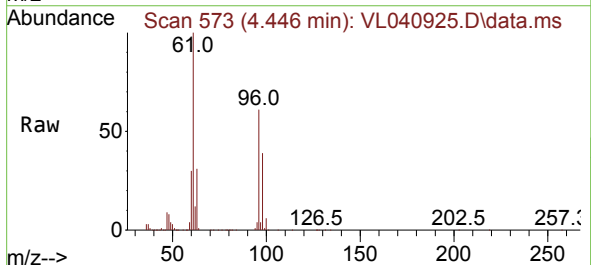
Manual Integrations
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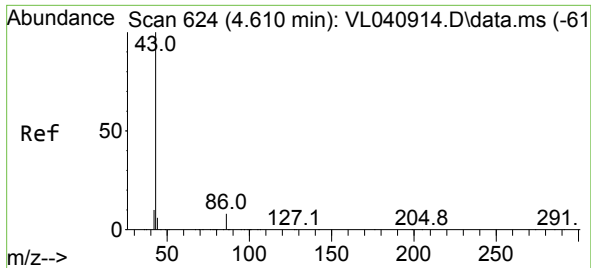
Reviewed By :Semsettin Yesilyurt 12/25/2023
 Supervised By :Mahesh Dadoda 12/26/2023



#22
 trans-1,2-Dichloroethene
 Concen: 9.704 ppbv
 RT: 4.446 min Scan# 573
 Delta R.T. 0.013 min
 Lab File: VL040925.D
 Acq: 21 Dec 2023 11:14

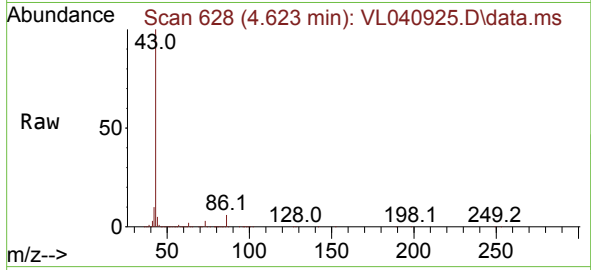
Tgt Ion: 96 Resp: 614535
 Ion Ratio Lower Upper
 96 100
 61 162.8 133.0 199.6
 98 63.3 53.7 80.5





#23
 Vinyl Acetate
 Concen: 9.578 ppbv
 RT: 4.623 min Scan# 610
 Delta R.T. 0.013 min
 Lab File: VL040925.D
 Acq: 21 Dec 2023 11:14

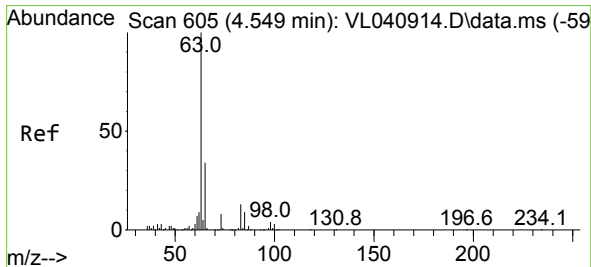
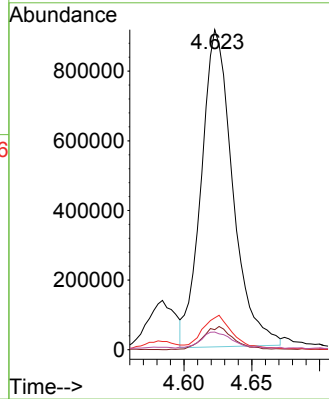
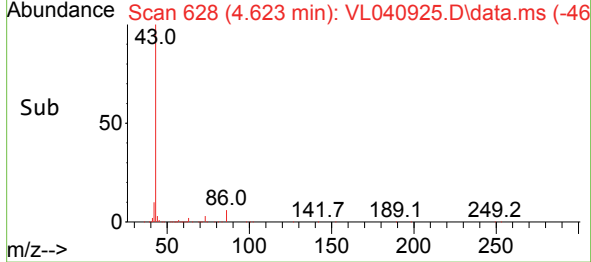
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1221ABS01



Tgt Ion: 43 Resp: 147402
 Ion Ratio Lower Upper
 43 100
 86 6.3 5.5 8.3
 42 9.8 8.4 12.6
 44 4.9 4.2 6.4

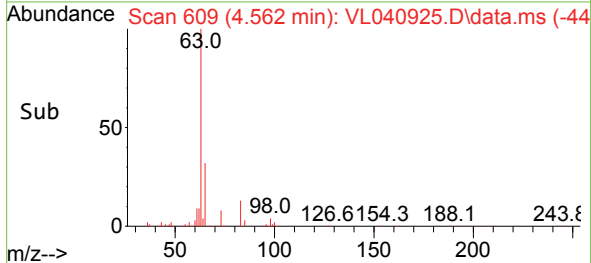
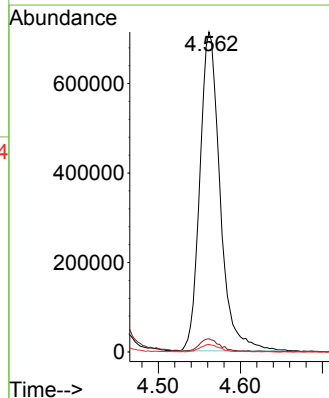
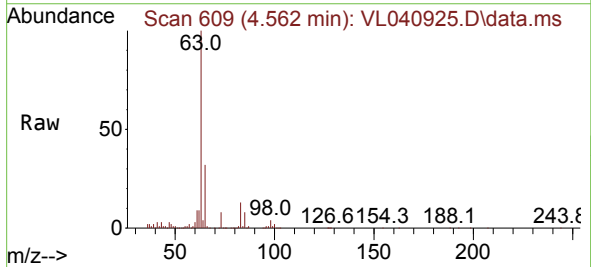
Manual Integrations
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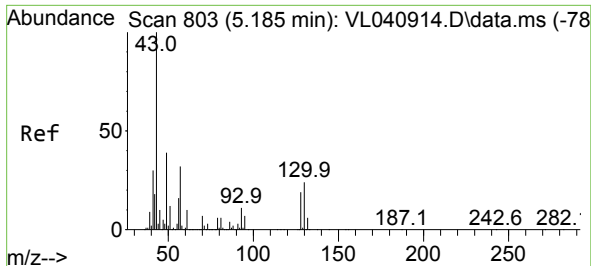
Reviewed By :Semsettin Yesilyurt 12/25/2023
 Supervised By :Mahesh Dadoda 12/26/2023



#24
 1,1-Dichloroethane
 Concen: 8.852 ppbv
 RT: 4.562 min Scan# 609
 Delta R.T. 0.013 min
 Lab File: VL040925.D
 Acq: 21 Dec 2023 11:14

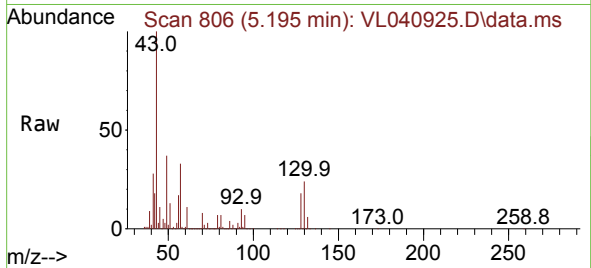
Tgt Ion: 63 Resp: 1218654
 Ion Ratio Lower Upper
 63 100
 98 4.1 2.1 6.5
 100 2.4 1.4 4.2





#25
Ethyl Acetate
Concen: 9.933 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.010 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

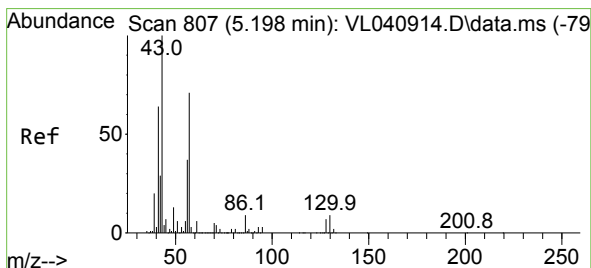
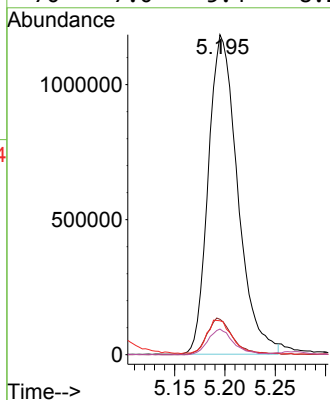
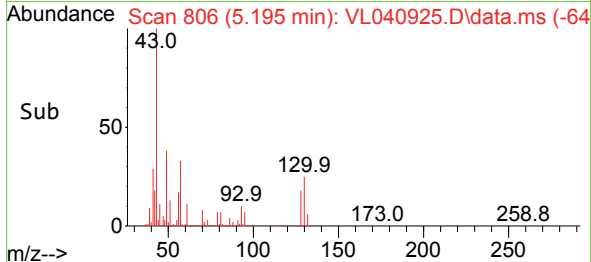
Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01



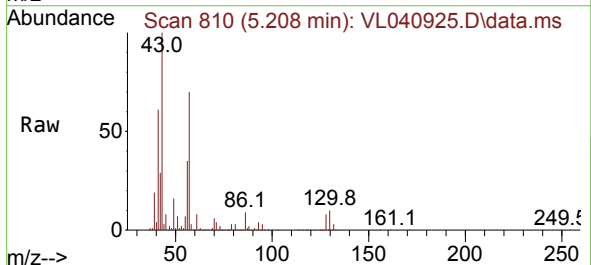
Tgt Ion: 43 Resp: 2401010
Ion Ratio Lower Upper
43 100
45 10.3 8.2 12.2
61 9.9 7.6 11.4
70 7.0 5.4 8.2

Manual Integrations
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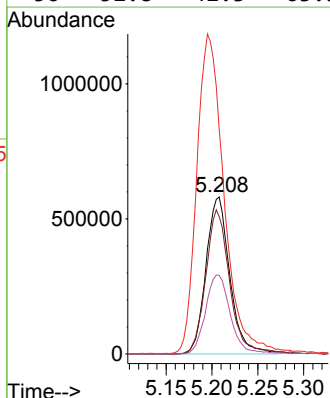
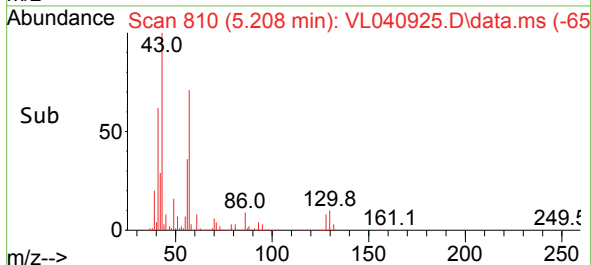
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023

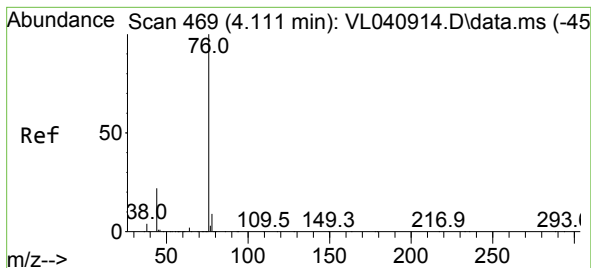


#26
Hexane
Concen: 9.811 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.010 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14



Tgt Ion: 57 Resp: 1051047
Ion Ratio Lower Upper
57 100
41 92.8 75.2 112.8
43 235.0 188.0 282.0
56 52.8 42.3 63.5





#27

Carbon Disulfide

Concen: 10.075 ppbv

RT: 4.128 min Scan# 41

Delta R.T. 0.016 min

Lab File: VL040925.D

Acq: 21 Dec 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

VL1221ABS01

Tgt Ion: 76 Resp: 1460704

Ion Ratio Lower Upper

76 100

44 21.3 18.4 27.6

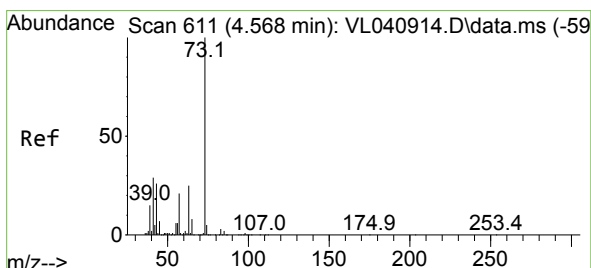
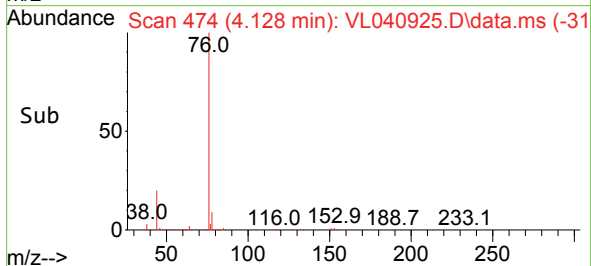
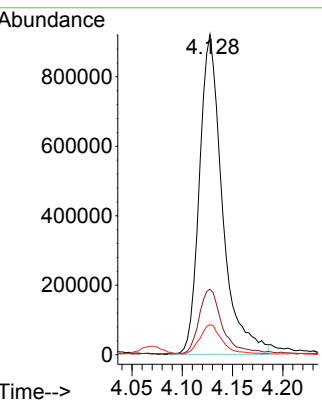
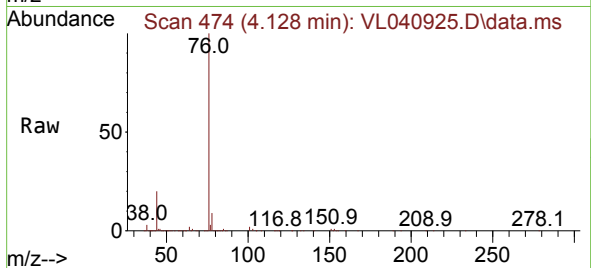
78 9.5 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/25/2023

Supervised By :Mahesh Dadoda 12/26/2023



#28

Methyl tert-Butyl Ether

Concen: 9.088 ppbv

RT: 4.584 min Scan# 616

Delta R.T. 0.016 min

Lab File: VL040925.D

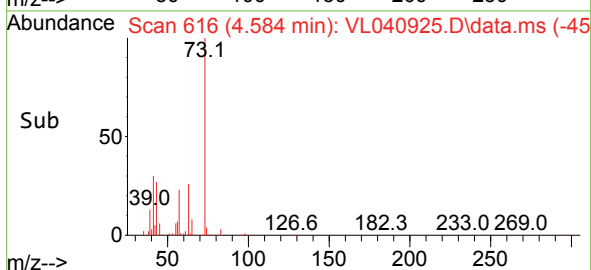
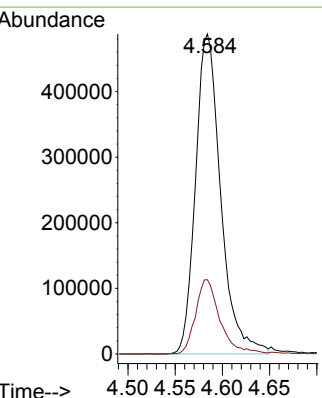
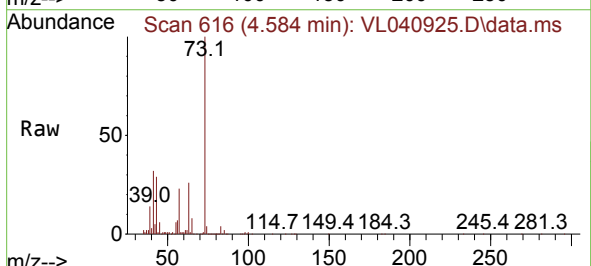
Acq: 21 Dec 2023 11:14

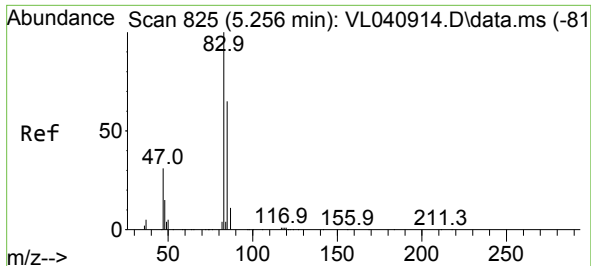
Tgt Ion: 73 Resp: 903418

Ion Ratio Lower Upper

73 100

57 22.9 18.0 27.0





#29

Chloroform

Concen: 9.861 ppbv

RT: 5.269 min Scan# 81

Delta R.T. 0.013 min

Lab File: VL040925.D

Acq: 21 Dec 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

VL1221ABS01

Tgt Ion: 83 Resp: 178267

Ion Ratio Lower Upper

83 100

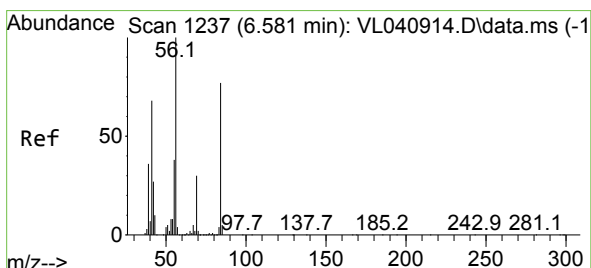
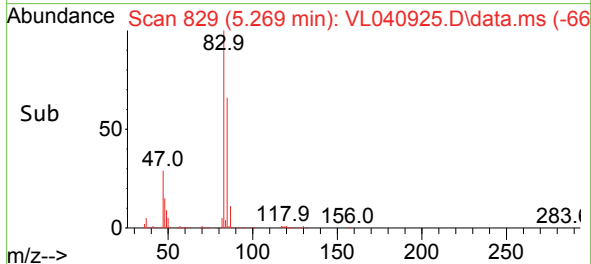
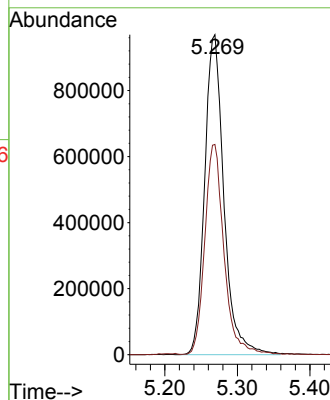
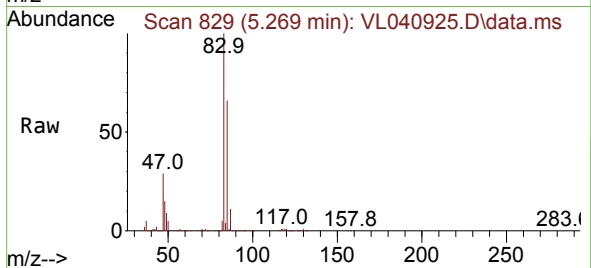
85 65.6 52.3 78.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/25/2023

Supervised By :Mahesh Dadoda 12/26/2023



#30

Cyclohexane

Concen: 10.049 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. 0.007 min

Lab File: VL040925.D

Acq: 21 Dec 2023 11:14

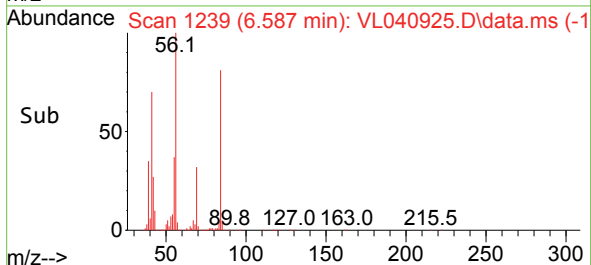
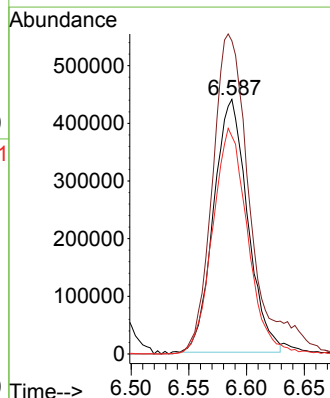
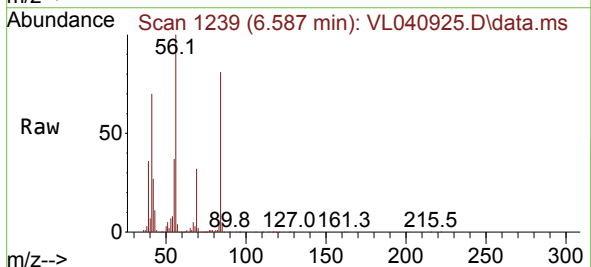
Tgt Ion: 84 Resp: 897511

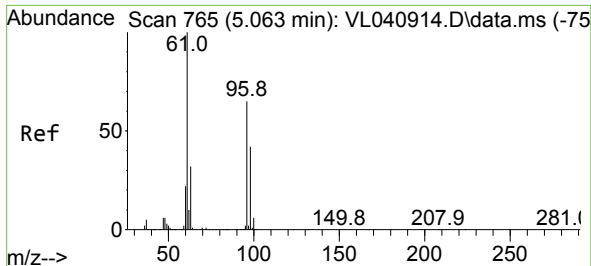
Ion Ratio Lower Upper

84 100

56 141.8 111.4 167.2

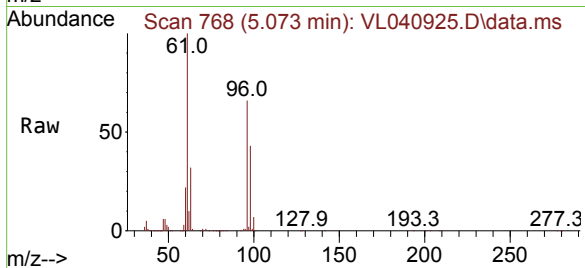
41 92.5 70.0 105.0





#31
cis-1,2-Dichloroethene
Concen: 8.727 ppbv
RT: 5.073 min Scan# 70
Delta R.T. 0.010 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

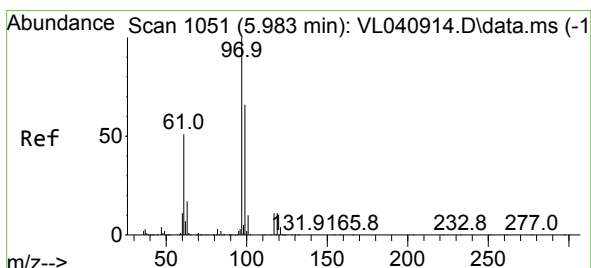
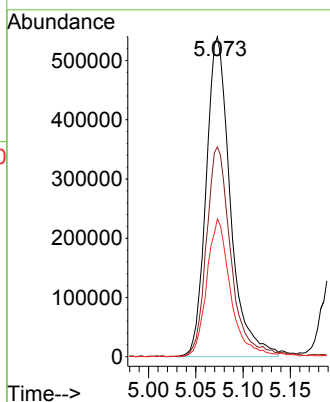
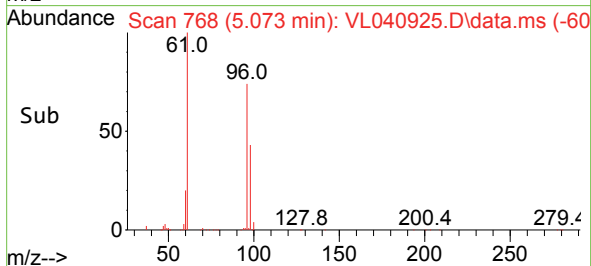
Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01



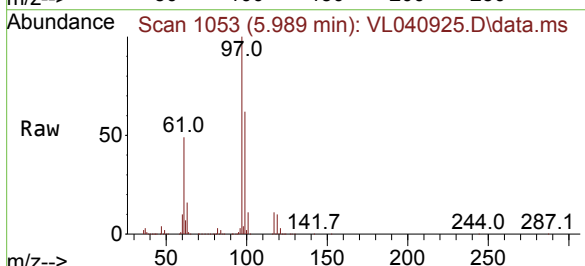
Tgt Ion: 61 Resp: 96035
Ion Ratio Lower Upper
61 100
96 65.4 51.7 77.5
98 42.8 33.2 49.8

Manual Integrations
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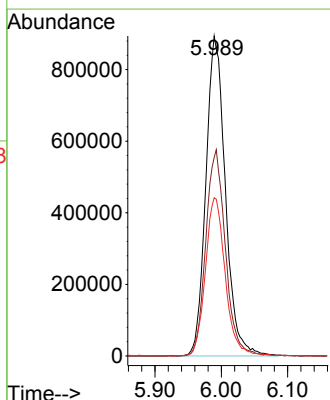
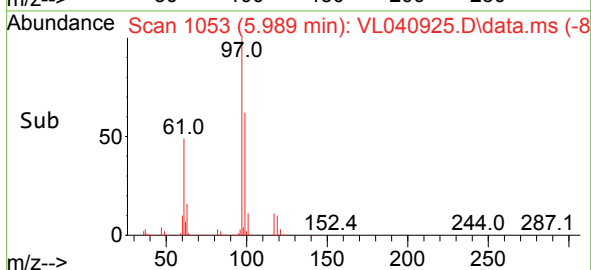
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023

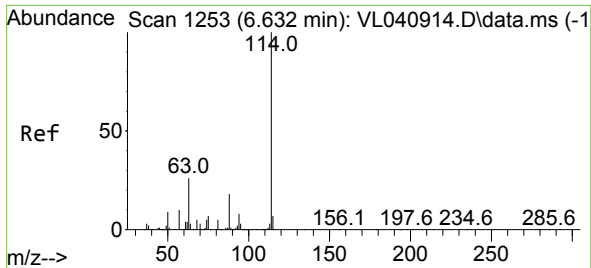


#32
1,1,1-Trichloroethane
Concen: 10.466 ppbv
RT: 5.989 min Scan# 1053
Delta R.T. 0.007 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14



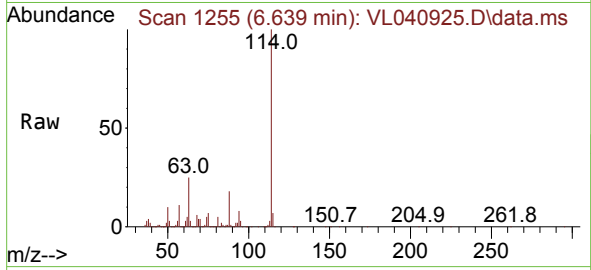
Tgt Ion: 97 Resp: 1829408
Ion Ratio Lower Upper
97 100
99 64.9 51.8 77.6
61 50.4 41.0 61.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 114
Delta R.T. 0.006 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

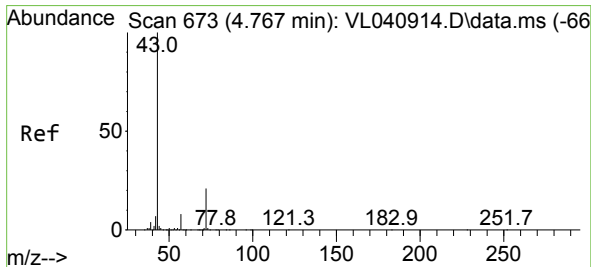
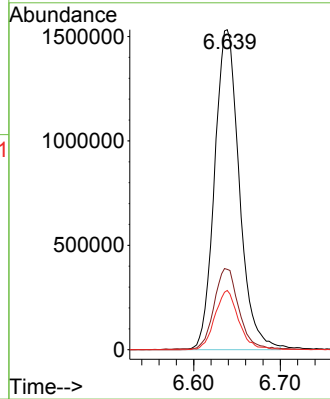
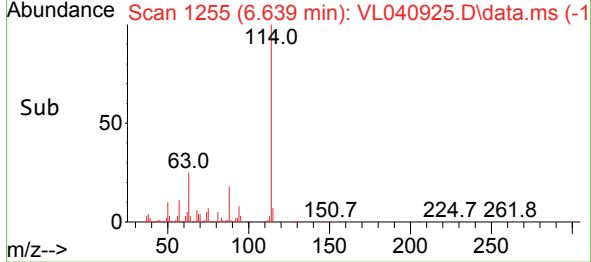
Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01



Tgt Ion:114 Resp: 3037149
Ion Ratio Lower Upper
114 100
63 26.1 21.0 31.6
88 17.9 14.3 21.5

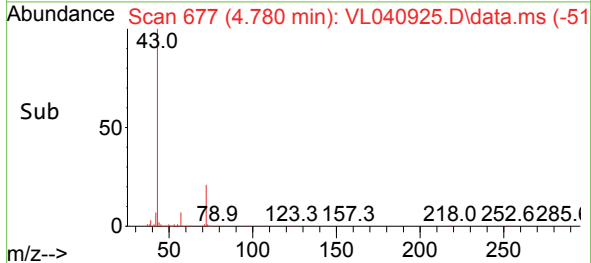
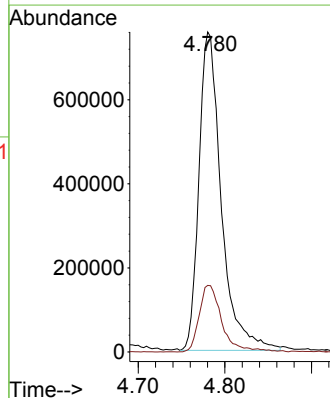
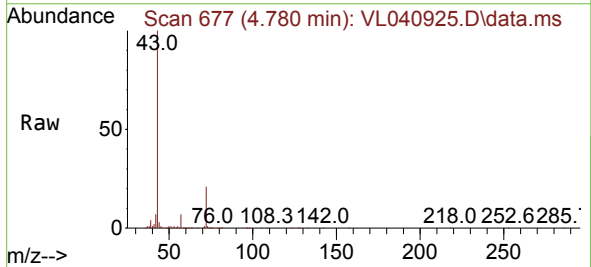
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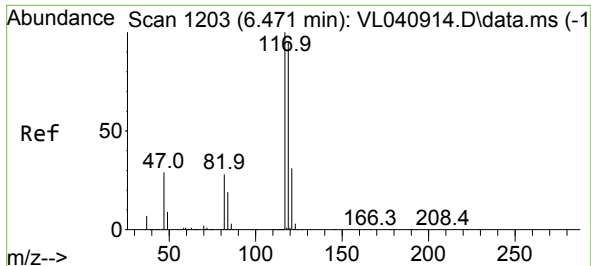
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023



#34
2-Butanone
Concen: 8.438 ppbv
RT: 4.780 min Scan# 677
Delta R.T. 0.013 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

Tgt Ion: 43 Resp: 1355605
Ion Ratio Lower Upper
43 100
72 21.5 17.2 25.8





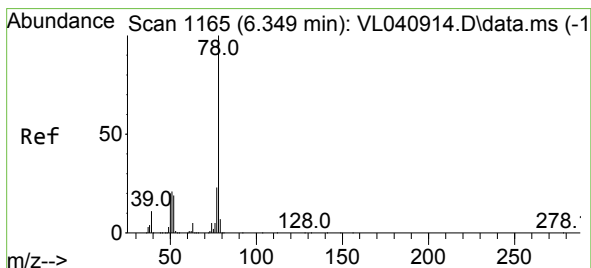
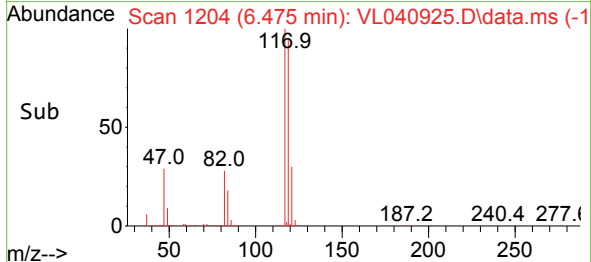
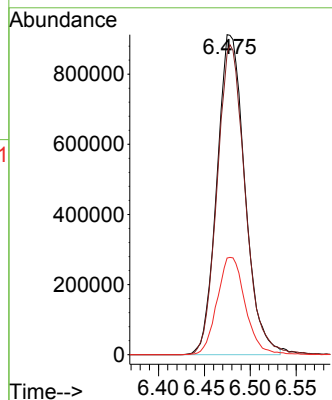
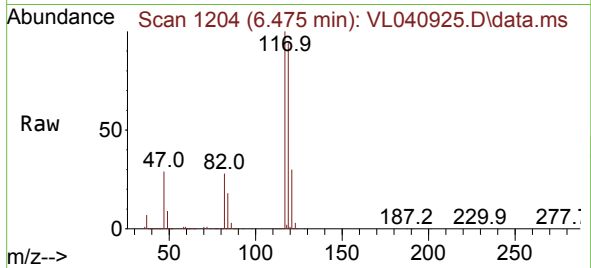
#35
Carbon Tetrachloride
Concen: 10.157 ppbv
RT: 6.475 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01

Tgt Ion:117 Resp: 193187
Ion Ratio Lower Upper
117 100
119 94.2 76.3 114.5
121 30.2 24.9 37.3

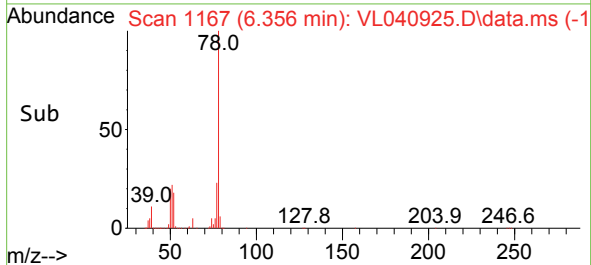
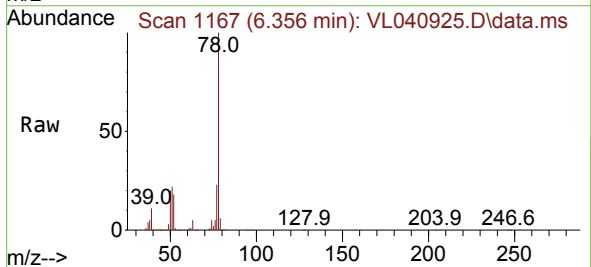
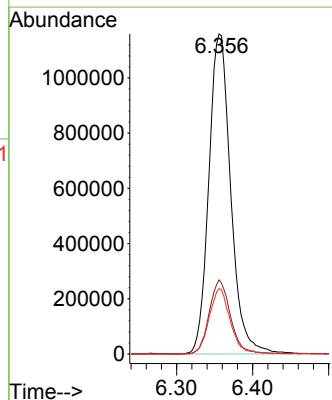
Manual Integrations
APPROVED

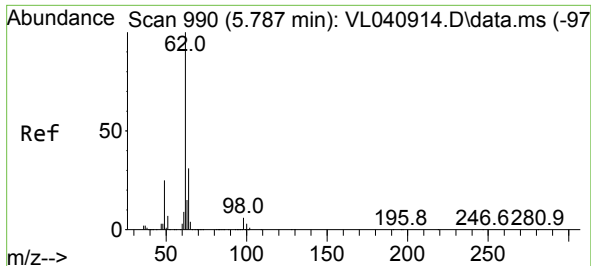
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023



#36
Benzene
Concen: 9.772 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. 0.007 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

Tgt Ion: 78 Resp: 2320070
Ion Ratio Lower Upper
78 100
77 23.2 18.4 27.6
50 20.5 16.0 24.0





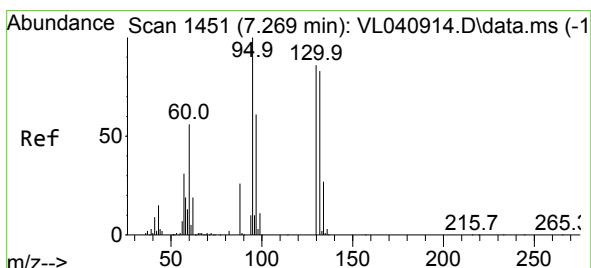
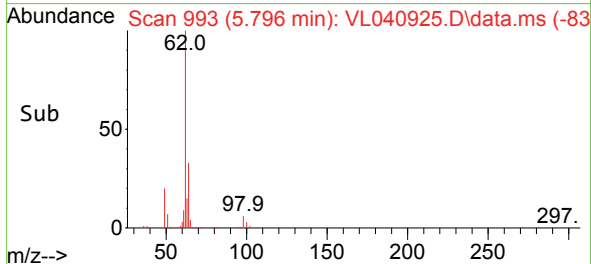
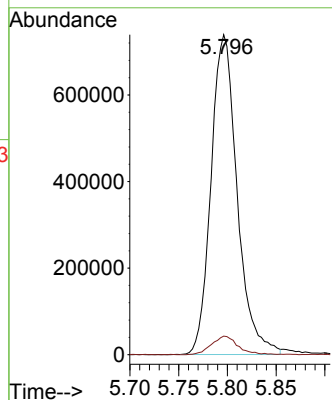
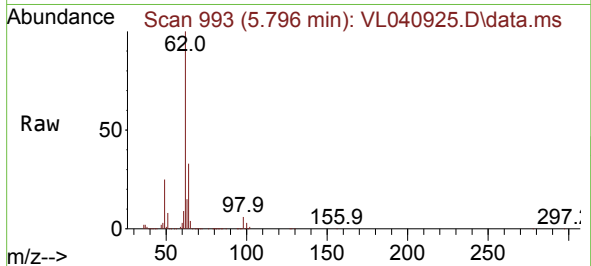
#37
1,2-Dichloroethane
Concen: 9.702 ppbv
RT: 5.796 min Scan# 990
Delta R.T. 0.010 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01

Tgt Ion: 62 Resp: 1380210
Ion Ratio Lower Upper
62 100
98 6.0 4.6 7.0

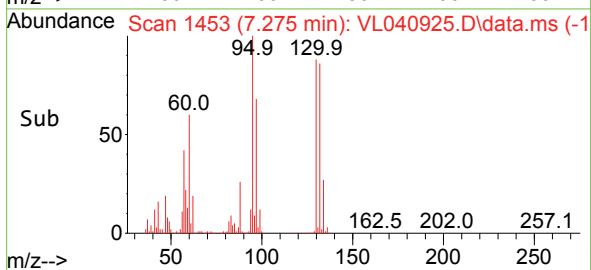
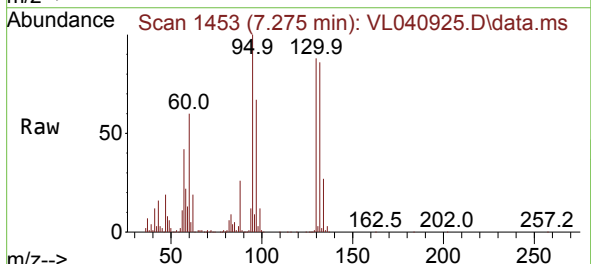
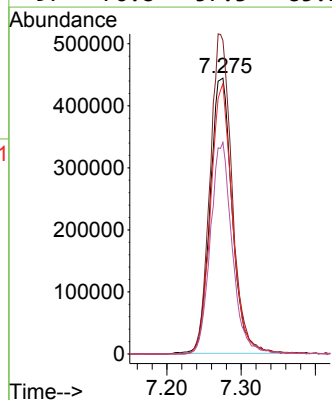
Manual Integrations
APPROVED

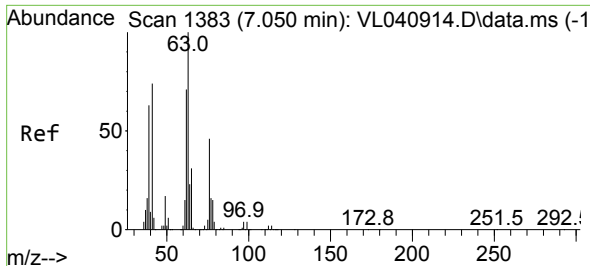
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023



#38
Trichloroethene
Concen: 10.262 ppbv
RT: 7.275 min Scan# 1453
Delta R.T. 0.007 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

Tgt Ion:130 Resp: 915119
Ion Ratio Lower Upper
130 100
95 113.8 93.5 140.3
132 98.1 77.4 116.2
97 76.8 57.3 85.9





#39

1,2-Dichloropropane

Concen: 9.765 ppbv

RT: 7.053 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040925.D

Acq: 21 Dec 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

VL1221ABS01

Tgt Ion: 63 Resp: 911089

Ion Ratio Lower Upper

63 100

41 76.6 59.0 88.6

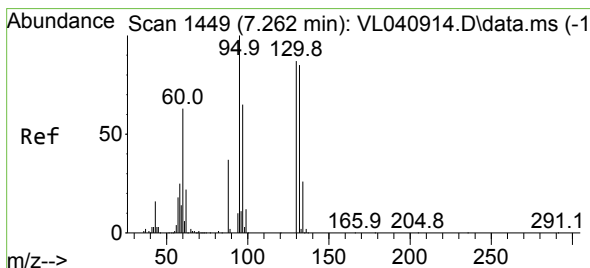
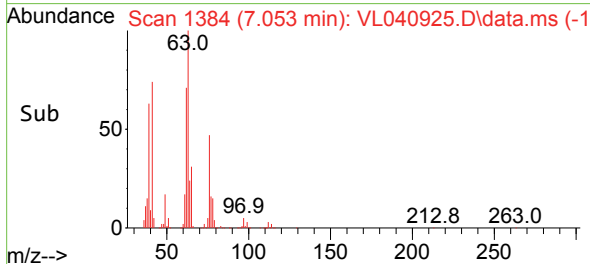
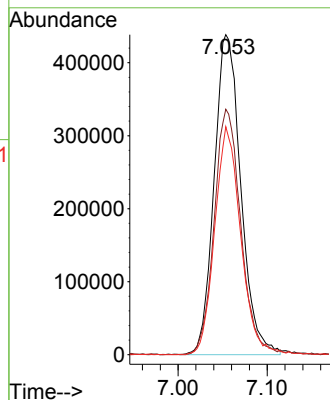
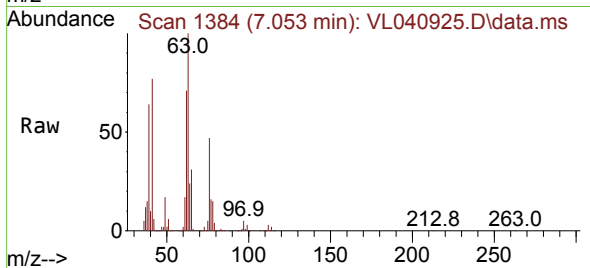
62 71.2 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/25/2023

Supervised By :Mahesh Dadoda 12/26/2023



#40

1,4-Dioxane

Concen: 9.315 ppbv

RT: 7.262 min Scan# 1449

Delta R.T. 0.000 min

Lab File: VL040925.D

Acq: 21 Dec 2023 11:14

Tgt Ion: 88 Resp: 366957

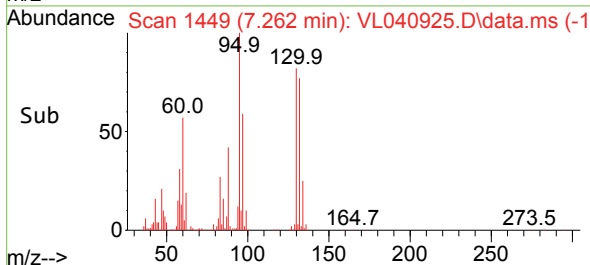
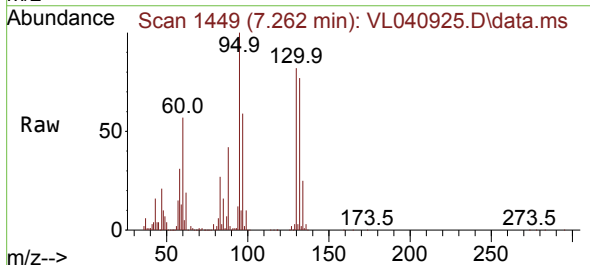
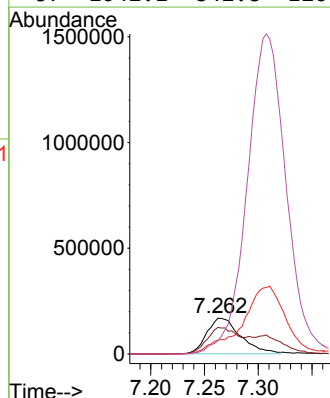
Ion Ratio Lower Upper

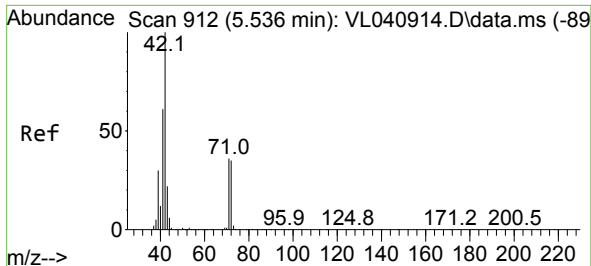
88 100

58 122.7 97.3 145.9

43 244.1 200.6 300.8

57 1042.1 842.8 1264.2





#41

Tetrahydrofuran

Concen: 9.902 ppbv

RT: 5.545 min Scan# 912

Delta R.T. 0.010 min

Lab File: VL040925.D

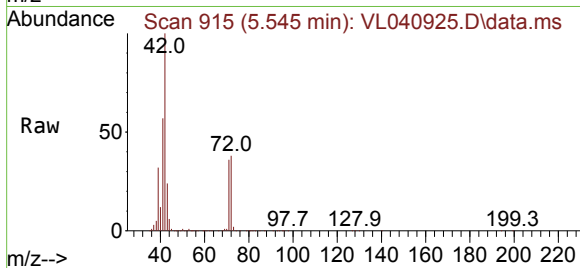
Acq: 21 Dec 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

VL1221ABS01

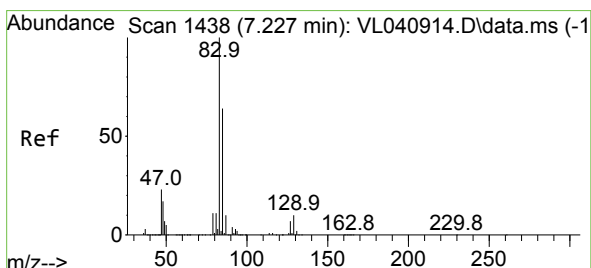
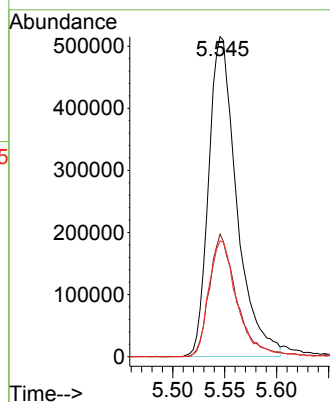
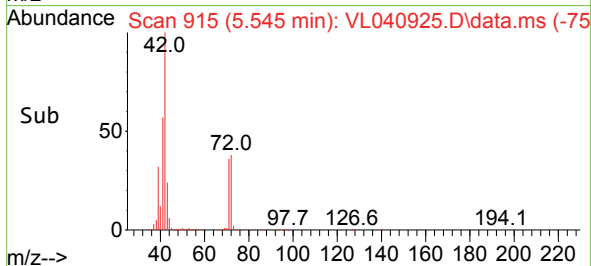


Tgt Ion:	42	Resp:	967900
Ion	Ratio	Lower	Upper
42	100		
72	37.9	29.6	44.4
71	37.4	29.1	43.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023



#42

Bromodichloromethane

Concen: 9.866 ppbv

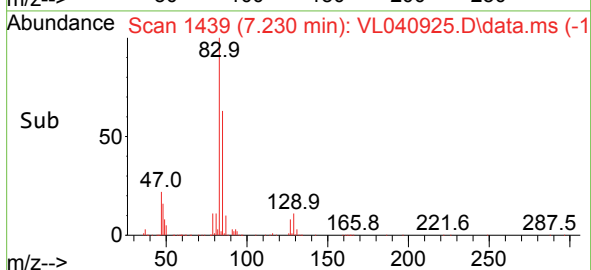
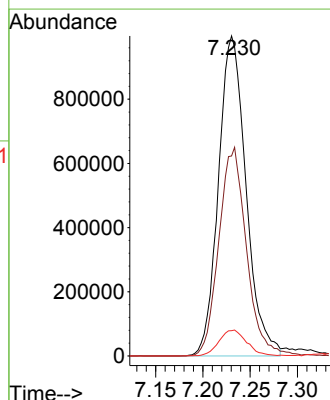
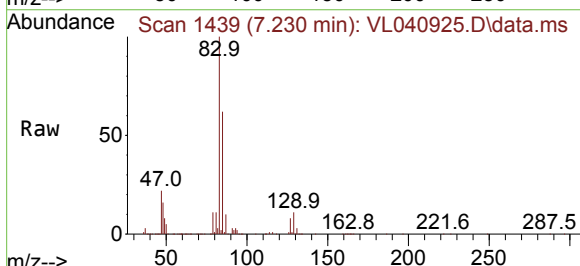
RT: 7.230 min Scan# 1439

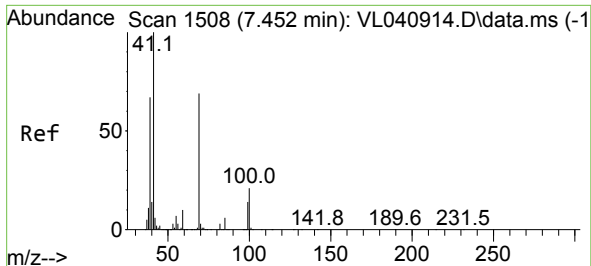
Delta R.T. 0.003 min

Lab File: VL040925.D

Acq: 21 Dec 2023 11:14

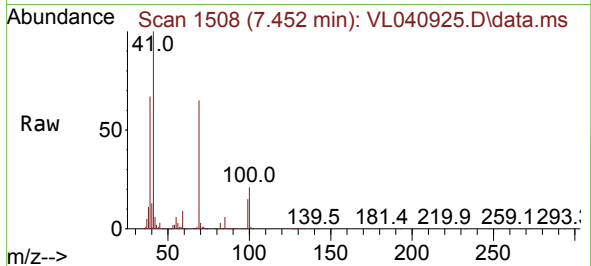
Tgt Ion:	83	Resp:	2024365
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.4	77.0
127	7.9	5.9	8.9





#43
Methyl Methacrylate
Concen: 10.300 ppbv m
RT: 7.452 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

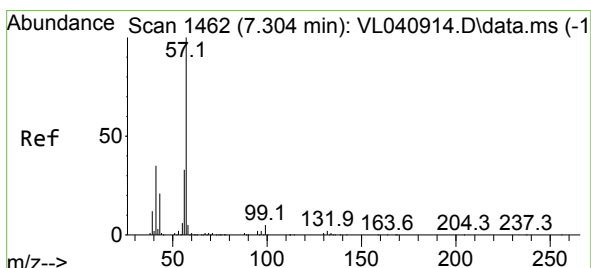
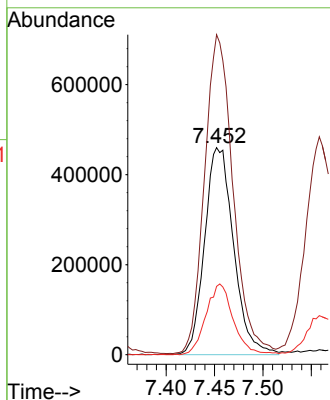
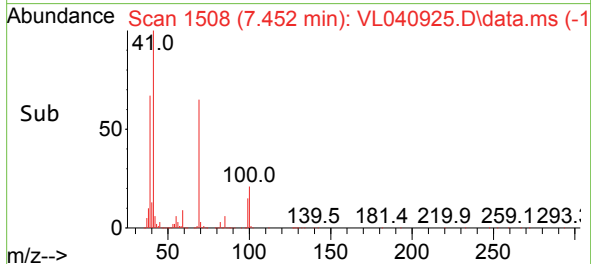
Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01



Tgt Ion: 69 Resp: 95923
Ion Ratio Lower Upper
69 100
41 0.0 119.9 179.9
100 32.1 25.1 37.7

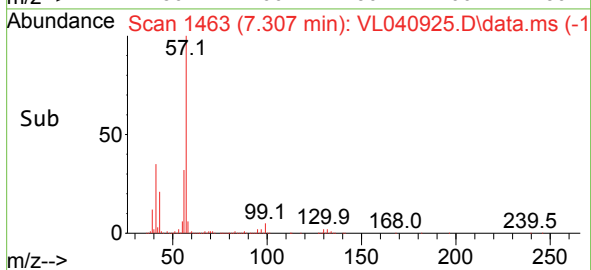
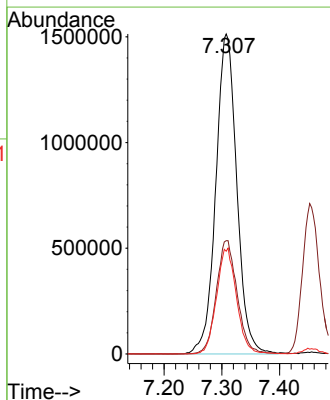
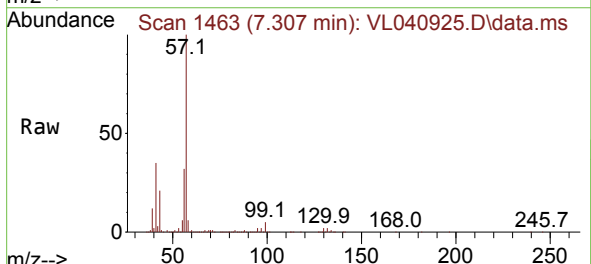
Manual Integrations
APPROVED

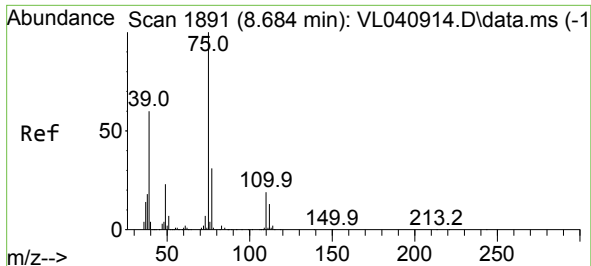
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023



#44
2,2,4-Trimethylpentane
Concen: 9.471 ppbv
RT: 7.307 min Scan# 1463
Delta R.T. 0.003 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

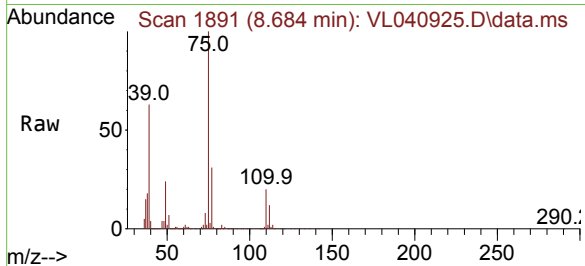
Tgt Ion: 57 Resp: 3819665
Ion Ratio Lower Upper
57 100
41 35.2 28.2 42.4
56 31.6 25.3 37.9





#45
 t-1,3-Dichloropropene
 Concen: 11.446 ppbv
 RT: 8.684 min Scan# 1891
 Delta R.T. 0.000 min
 Lab File: VL040925.D
 Acq: 21 Dec 2023 11:14

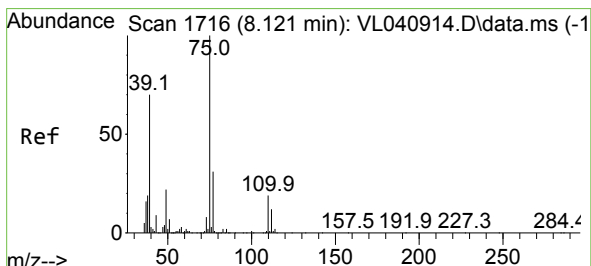
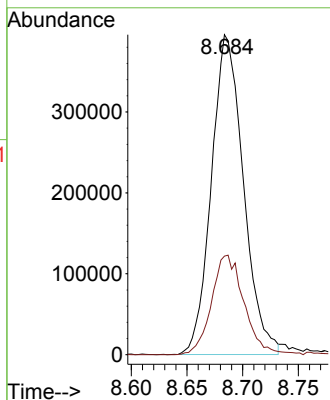
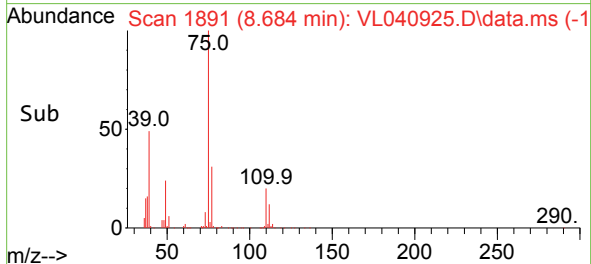
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1221ABS01



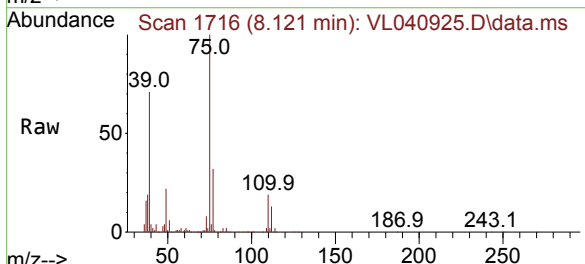
Tgt Ion: 75 Resp: 79081
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.8 37.2

Manual Integrations
 APPROVED

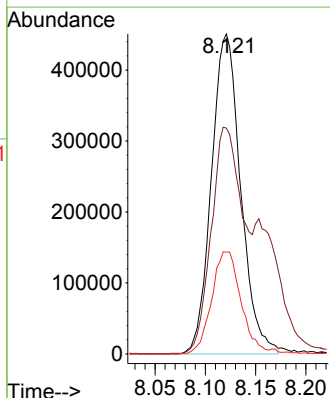
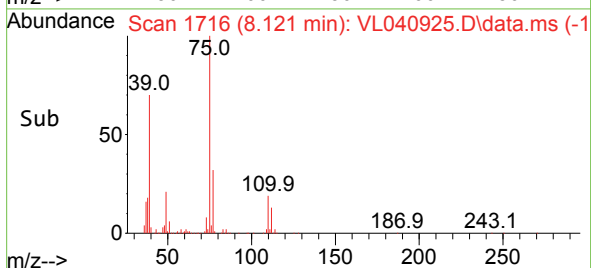
Reviewed By :Semsettin Yesilyurt 12/25/2023
 Supervised By :Mahesh Dadoda 12/26/2023

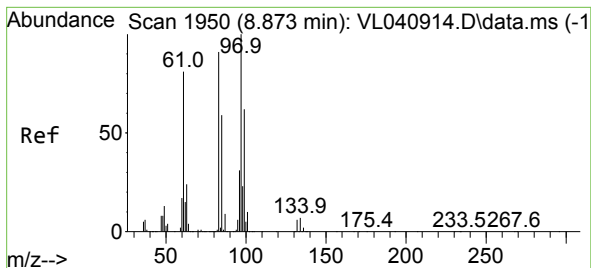


#46
 cis-1,3-Dichloropropene
 Concen: 10.661 ppbv
 RT: 8.121 min Scan# 1716
 Delta R.T. 0.000 min
 Lab File: VL040925.D
 Acq: 21 Dec 2023 11:14



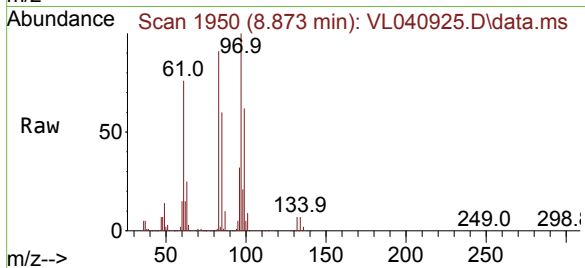
Tgt Ion: 75 Resp: 911962
 Ion Ratio Lower Upper
 75 100
 39 70.4 56.2 84.4
 77 31.9 24.5 36.7





#47
1,1,2-Trichloroethane
Concen: 9.837 ppbv
RT: 8.873 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

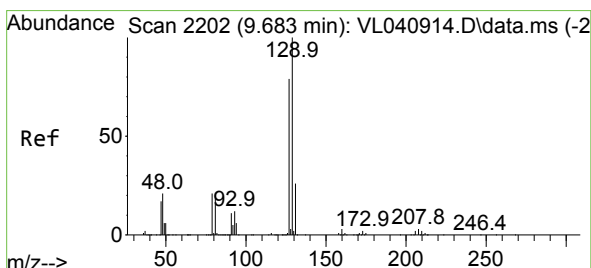
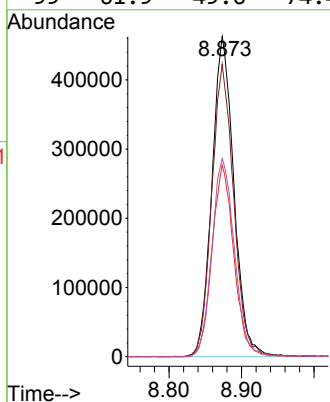
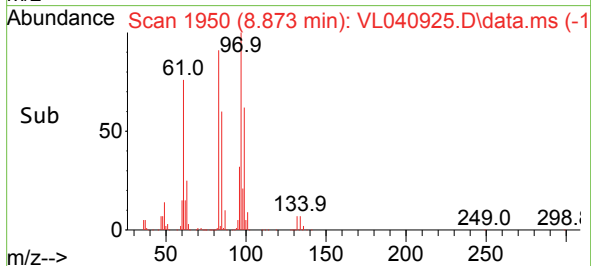
Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01



Tgt Ion: 97 Resp: 97354
Ion Ratio Lower Upper
97 100
83 91.4 72.6 108.8
85 59.8 47.4 71.0
99 61.9 49.6 74.4

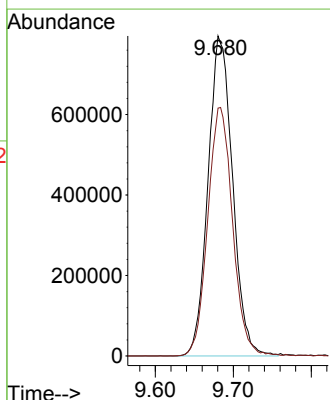
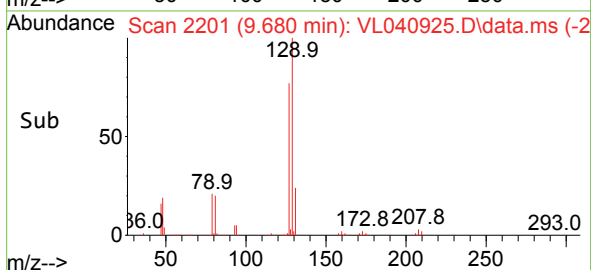
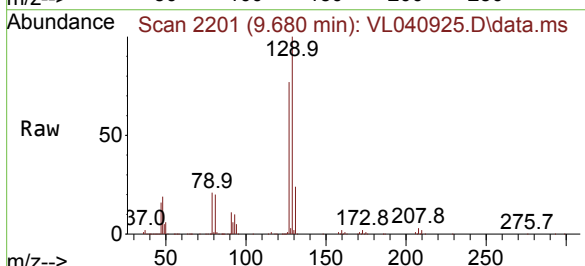
Manual Integrations
APPROVED

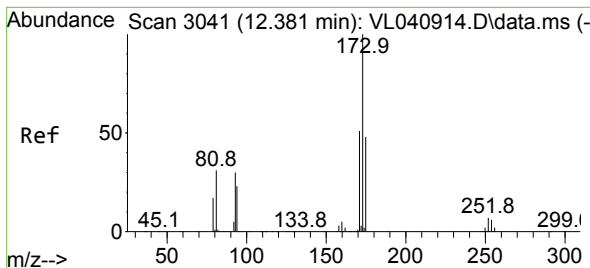
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023



#48
Dibromochloromethane
Concen: 10.313 ppbv
RT: 9.680 min Scan# 2201
Delta R.T. -0.003 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

Tgt Ion:129 Resp: 1742305
Ion Ratio Lower Upper
129 100
127 78.7 39.6 119.0





#49

Bromoform

Concen: 10.722 ppbv

RT: 12.378 min Scan# 3041

Delta R.T. -0.003 min

Lab File: VL040925.D

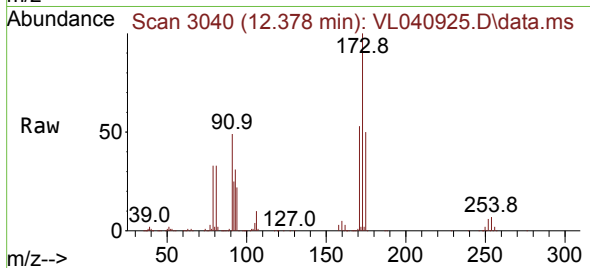
Acq: 21 Dec 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

VL1221ABS01



Tgt Ion:173 Resp: 1397679

Ion Ratio Lower Upper

173 100

175 49.0 39.3 58.9

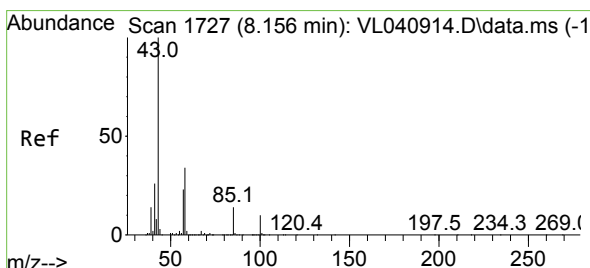
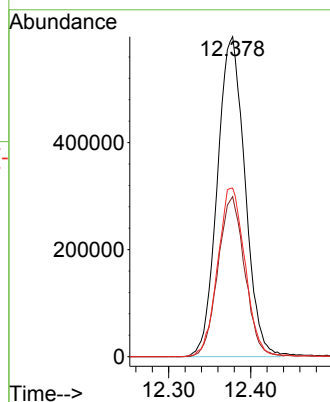
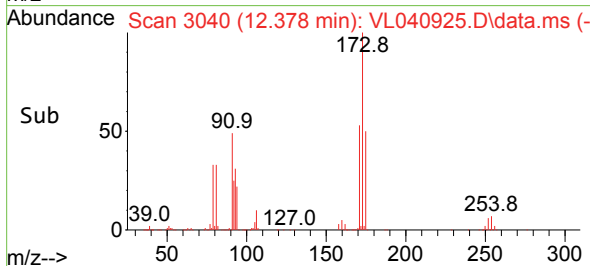
171 52.8 41.8 62.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/25/2023

Supervised By :Mahesh Dadoda 12/26/2023



#50

4-Methyl-2-Pentanone

Concen: 9.906 ppbv

RT: 8.160 min Scan# 1728

Delta R.T. 0.003 min

Lab File: VL040925.D

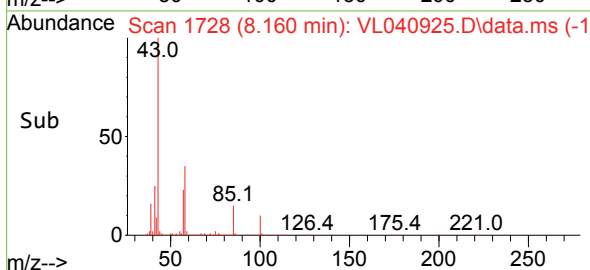
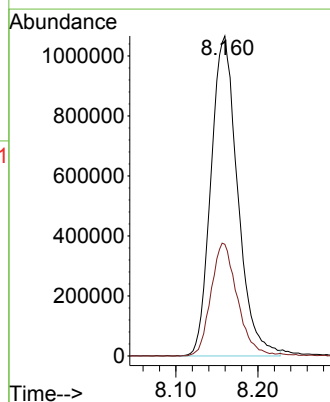
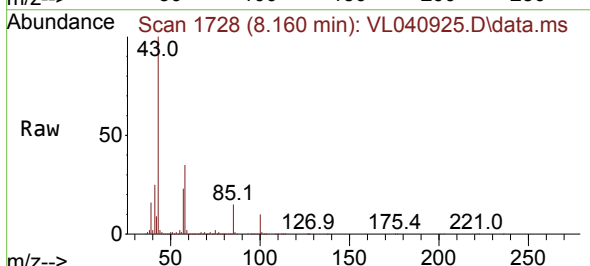
Acq: 21 Dec 2023 11:14

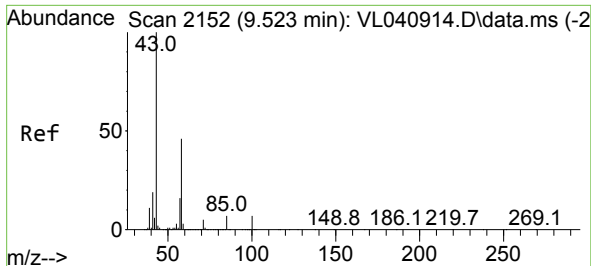
Tgt Ion: 43 Resp: 2410438

Ion Ratio Lower Upper

43 100

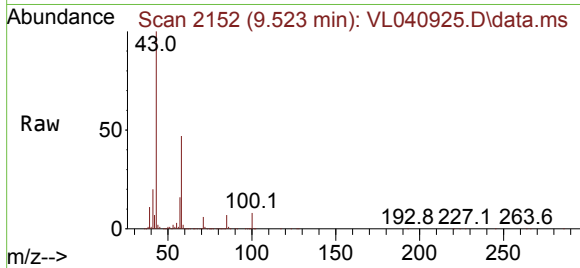
58 35.4 27.4 41.0





#51
2-Hexanone
Concen: 10.281 ppbv
RT: 9.523 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

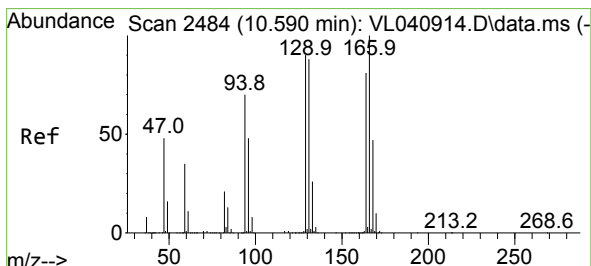
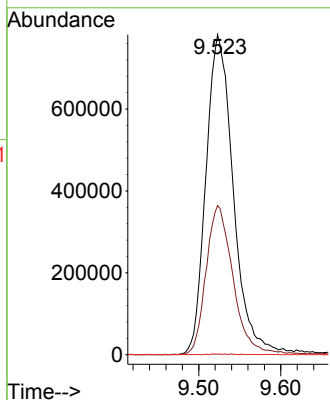
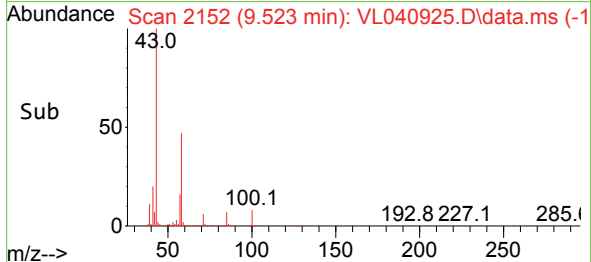
Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01



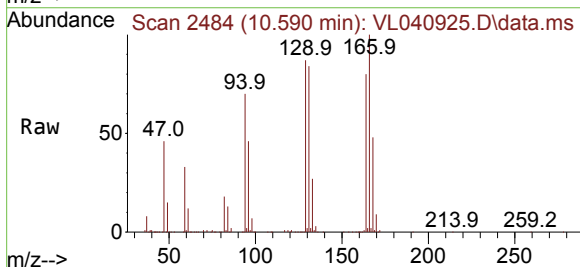
Tgt Ion: 43 Resp: 180053
Ion Ratio Lower Upper
43 100
58 46.6 37.3 55.9
98 0.2 0.2 0.2

Manual Integrations
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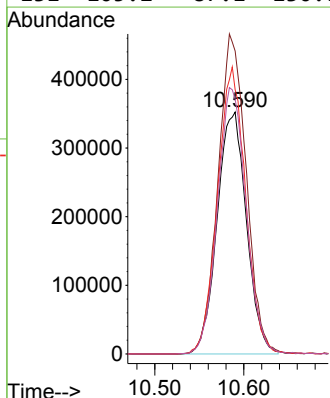
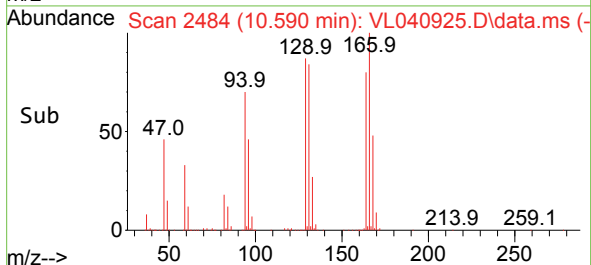
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023

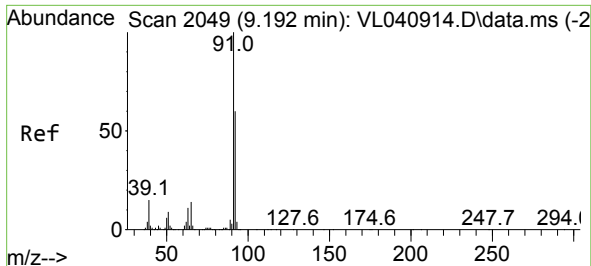


#52
Tetrachloroethene
Concen: 10.066 ppbv
RT: 10.590 min Scan# 2484
Delta R.T. 0.000 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14



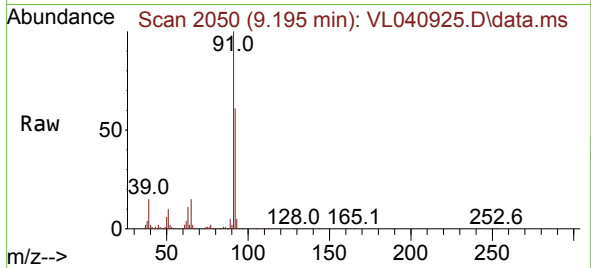
Tgt Ion:164 Resp: 805036
Ion Ratio Lower Upper
164 100
166 125.2 98.9 148.3
129 109.1 88.7 133.1
131 105.2 87.1 130.7





#53
Toluene
Concen: 10.081 ppbv
RT: 9.195 min Scan# 2049
Delta R.T. 0.003 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

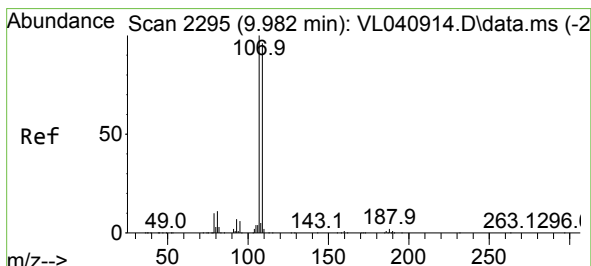
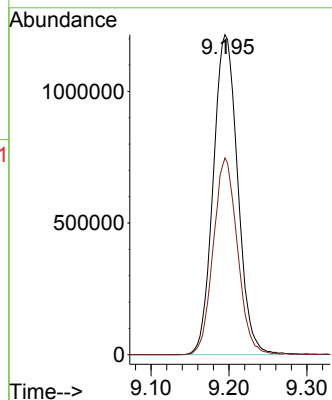
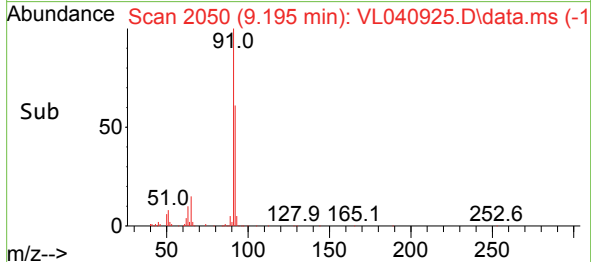
Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01



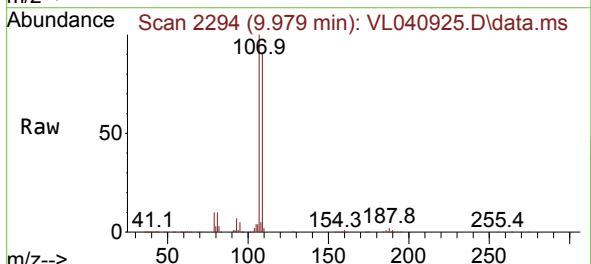
Tgt Ion: 91 Resp: 265395
Ion Ratio Lower Upper
91 100
92 60.8 49.2 73.8

Manual Integrations
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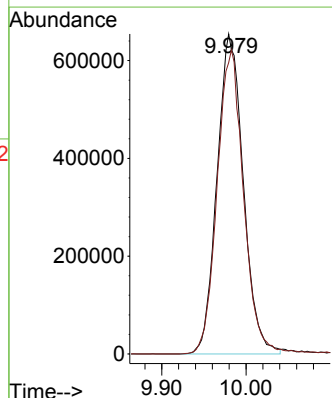
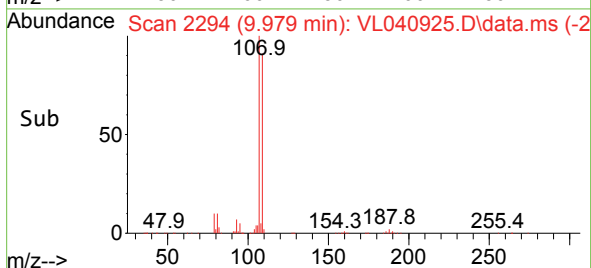
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023

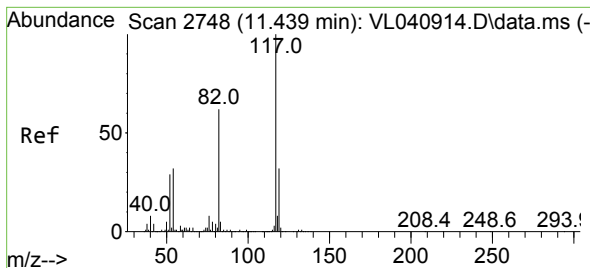


#54
1,2-Dibromoethane
Concen: 10.417 ppbv
RT: 9.979 min Scan# 2294
Delta R.T. -0.003 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14



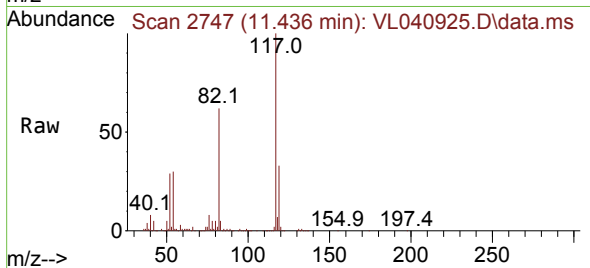
Tgt Ion:107 Resp: 1414796
Ion Ratio Lower Upper
107 100
109 91.0 77.0 115.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

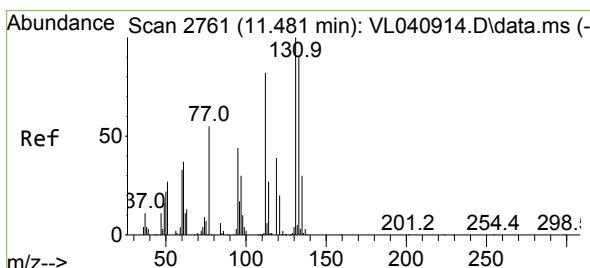
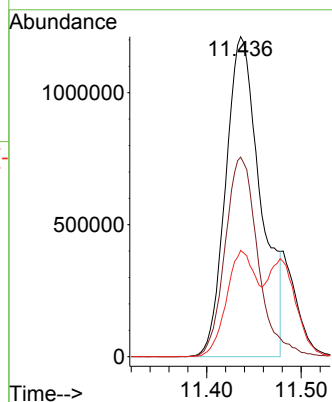
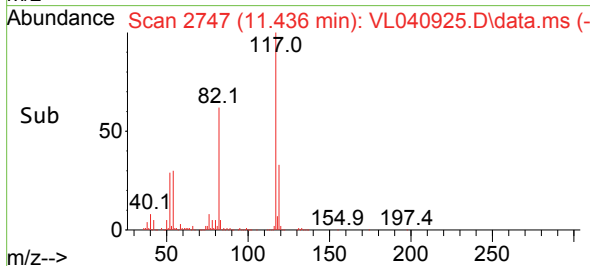
Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01



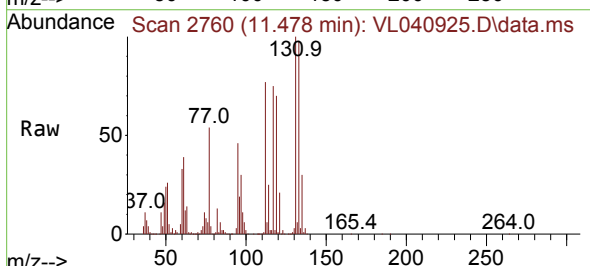
Tgt Ion:117 Resp: 310992
Ion Ratio Lower Upper
117 100
82 59.4 49.6 74.4
119 30.6 23.4 35.0

Manual Integrations
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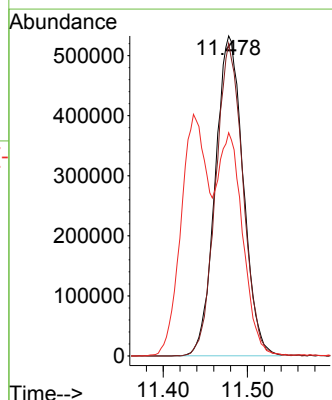
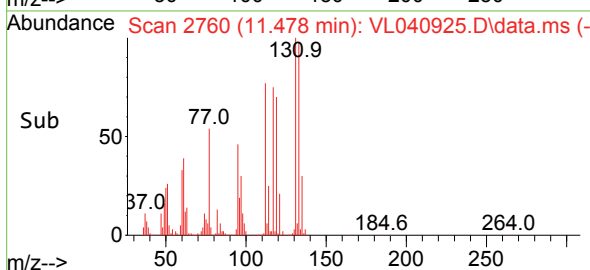
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023

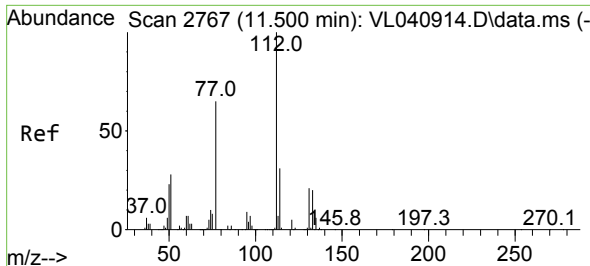


#56
1,1,1,2-Tetrachloroethane
Concen: 9.005 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. -0.003 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14



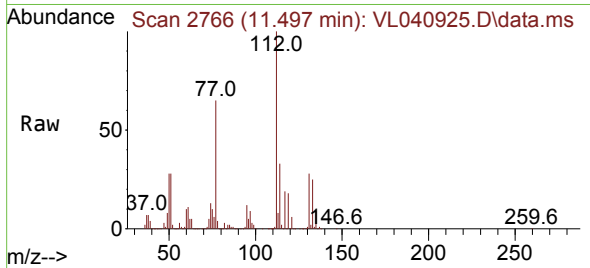
Tgt Ion:131 Resp: 1224695
Ion Ratio Lower Upper
131 100
133 95.8 76.3 114.5
119 59.4 48.6 73.0





#57
Chlorobenzene
Concen: 8.991 ppbv
RT: 11.497 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

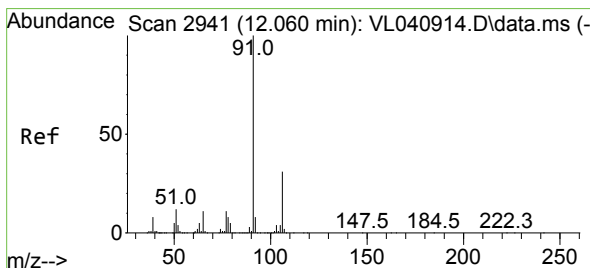
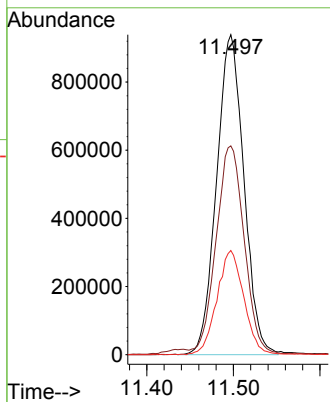
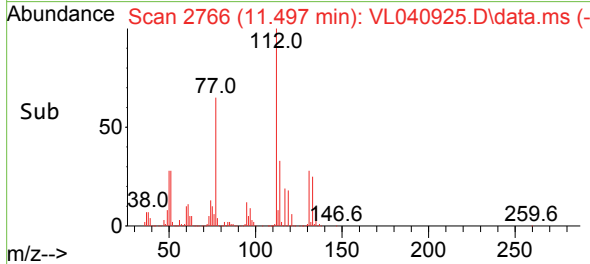
Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01



Tgt Ion:112 Resp: 205908
Ion Ratio Lower Upper
112 100
77 64.8 52.7 79.1
114 32.6 28.4 34.7

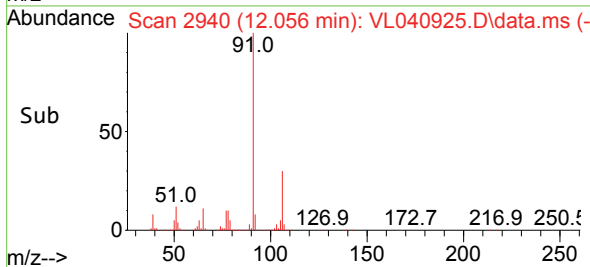
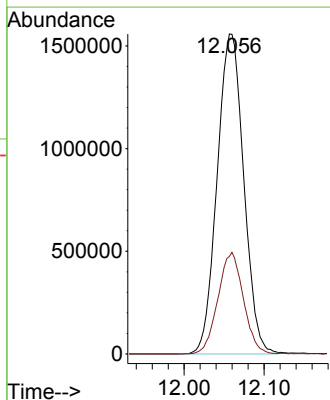
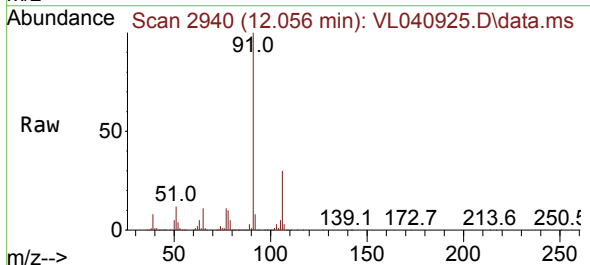
Manual Integrations
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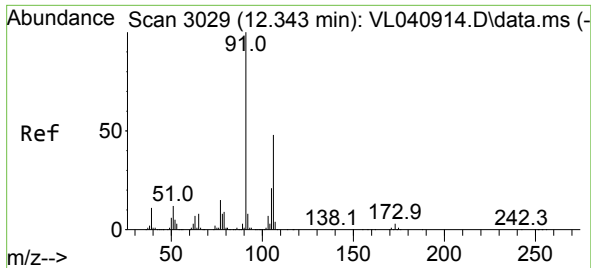
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023



#58
Ethyl Benzene
Concen: 8.999 ppbv
RT: 12.056 min Scan# 2940
Delta R.T. -0.003 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

Tgt Ion: 91 Resp: 3594537
Ion Ratio Lower Upper
91 100
106 30.5 24.9 37.3





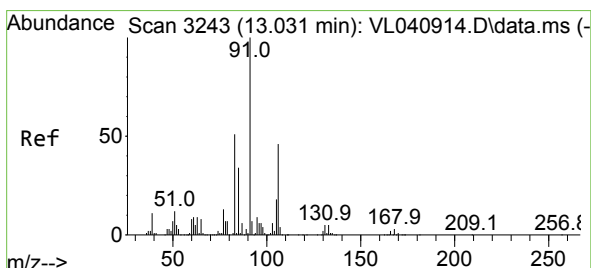
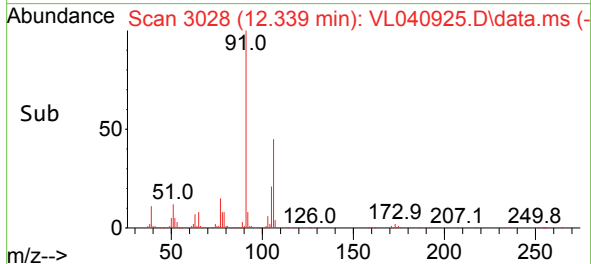
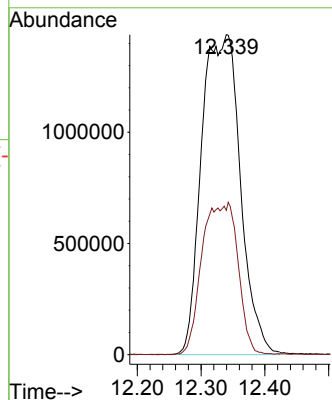
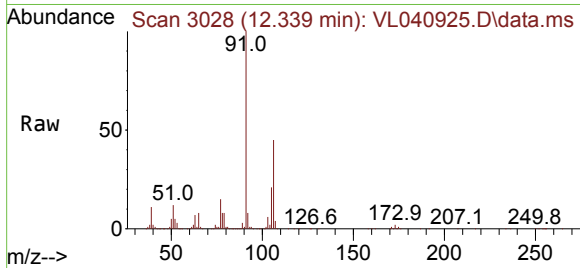
#59
m/p-Xylene
Concen: 17.827 ppbv m
RT: 12.339 min Scan# 3028
Delta R.T. -0.003 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01

Tgt Ion: 91 Resp: 6057032
Ion Ratio Lower Upper
91 100
106 44.2 0.0 0.0

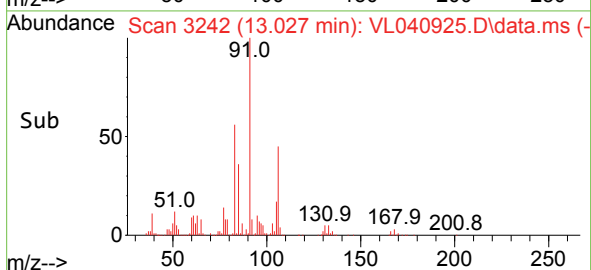
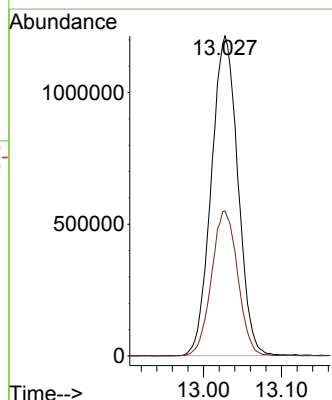
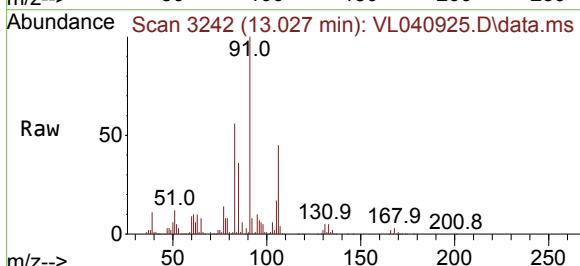
Manual Integrations
APPROVED

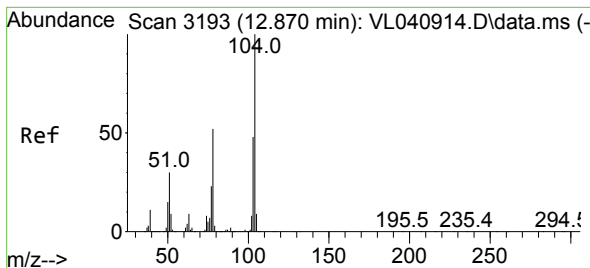
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023



#60
o-Xylene
Concen: 8.964 ppbv
RT: 13.027 min Scan# 3242
Delta R.T. -0.003 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

Tgt Ion: 91 Resp: 2869732
Ion Ratio Lower Upper
91 100
106 45.1 22.6 67.7





#61

Styrene

Concen: 10.041 ppbv

RT: 12.867 min Scan# 3193

Delta R.T. -0.003 min

Lab File: VL040925.D

Acq: 21 Dec 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

VL1221ABS01

Tgt Ion:104 Resp: 152802

Ion Ratio Lower Upper

104 100

78 53.1 43.0 64.4

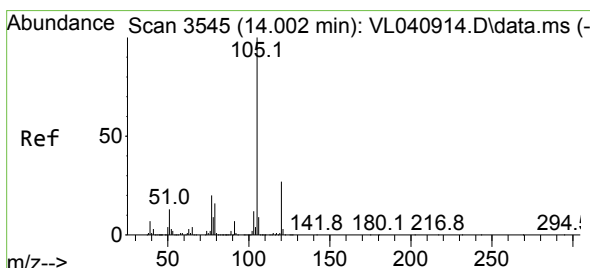
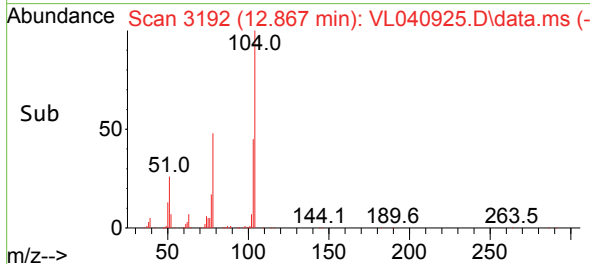
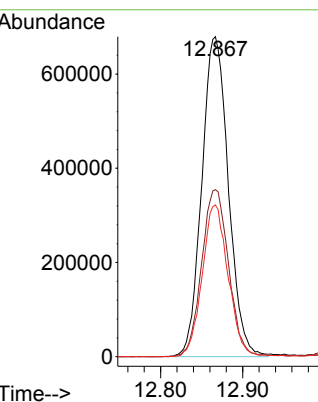
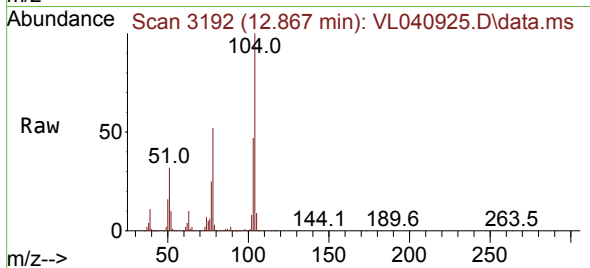
103 46.5 37.6 56.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/25/2023

Supervised By :Mahesh Dadoda 12/26/2023



#62

Isopropylbenzene

Concen: 8.882 ppbv

RT: 13.995 min Scan# 3543

Delta R.T. -0.006 min

Lab File: VL040925.D

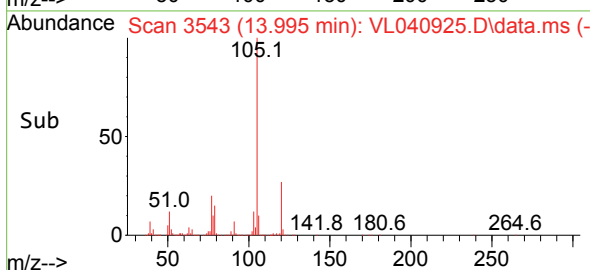
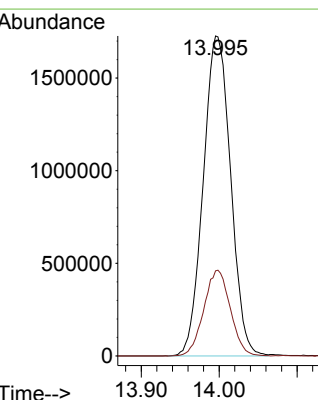
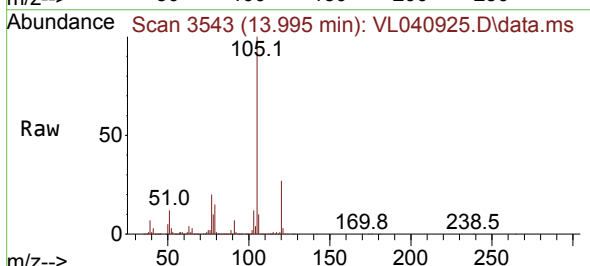
Acq: 21 Dec 2023 11:14

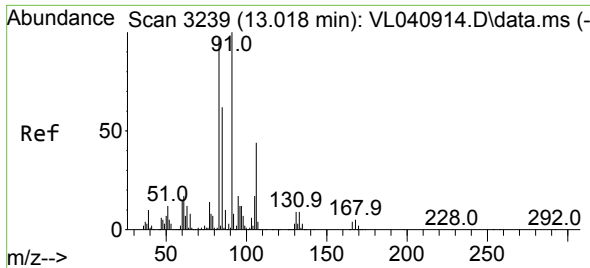
Tgt Ion:105 Resp: 4216692

Ion Ratio Lower Upper

105 100

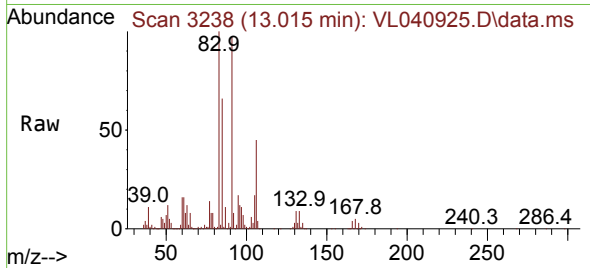
120 25.9 20.7 31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 9.118 ppbv
RT: 13.015 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

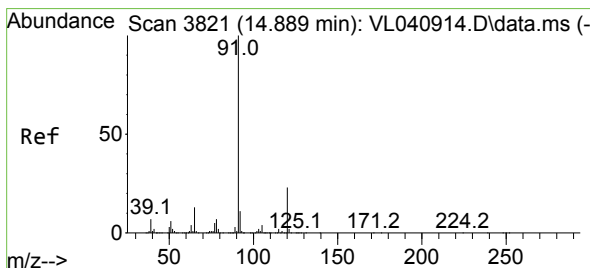
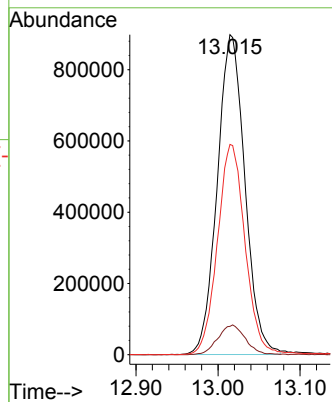
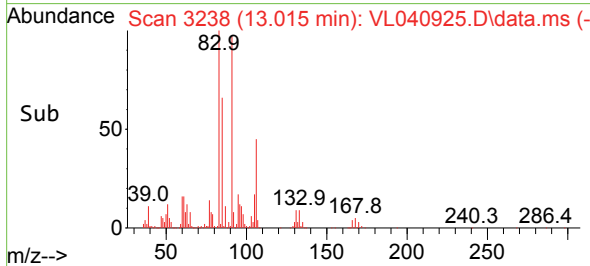
Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01



Tgt Ion: 83 Resp: 2102828
Ion Ratio Lower Upper
83 100
131 9.4 4.7 14.0
85 66.5 32.6 98.0

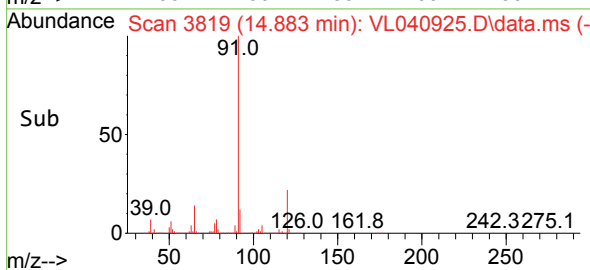
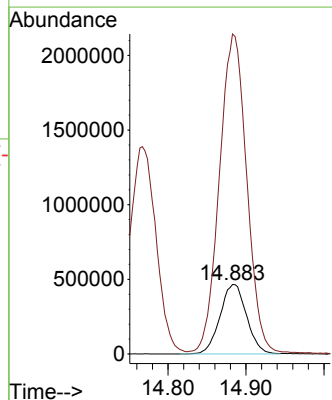
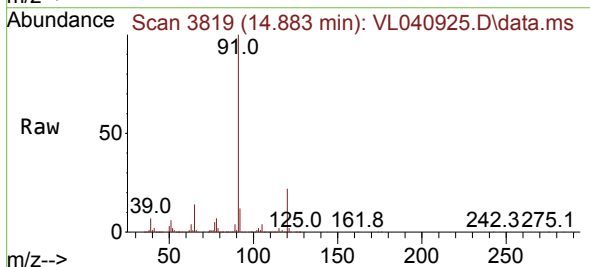
Manual Integrations
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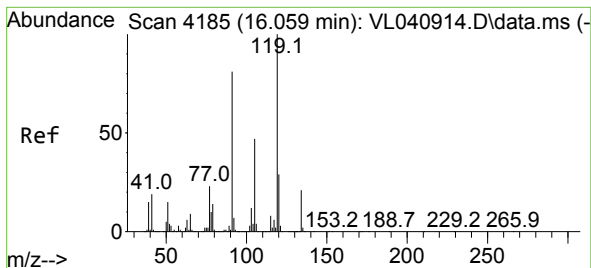
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023



#64
n-propylbenzene
Concen: 9.260 ppbv
RT: 14.883 min Scan# 3819
Delta R.T. -0.006 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

Tgt Ion:120 Resp: 1102713
Ion Ratio Lower Upper
120 100
91 477.0 381.9 572.9





#65

tert-Butylbenzene

Concen: 9.203 ppbv

RT: 16.056 min Scan# 4185

Delta R.T. -0.003 min

Lab File: VL040925.D

Acq: 21 Dec 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

VL1221ABS01

Tgt Ion:119 Resp: 371376

Ion Ratio Lower Upper

119 100

91 84.3 67.2 100.8

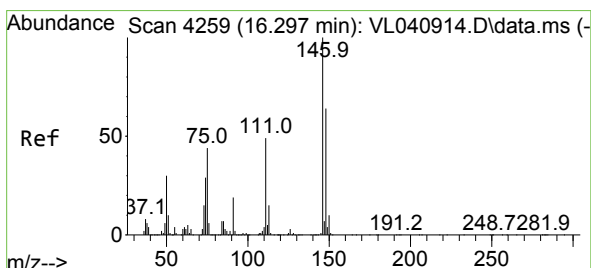
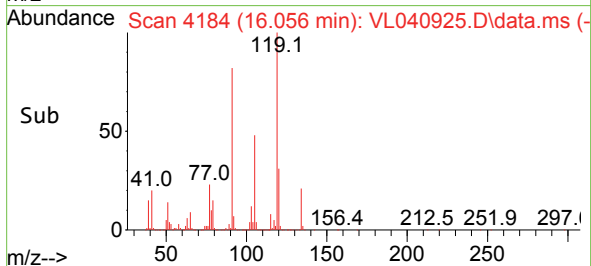
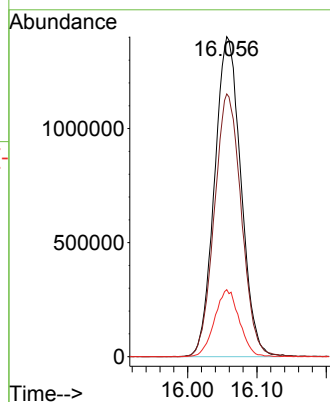
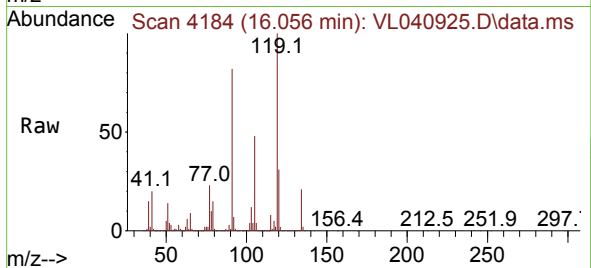
134 19.7 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/25/2023

Supervised By :Mahesh Dadoda 12/26/2023



#66

Benzyl Chloride

Concen: 11.488 ppbv

RT: 16.294 min Scan# 4258

Delta R.T. -0.003 min

Lab File: VL040925.D

Acq: 21 Dec 2023 11:14

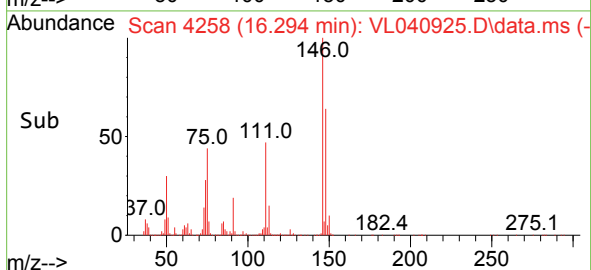
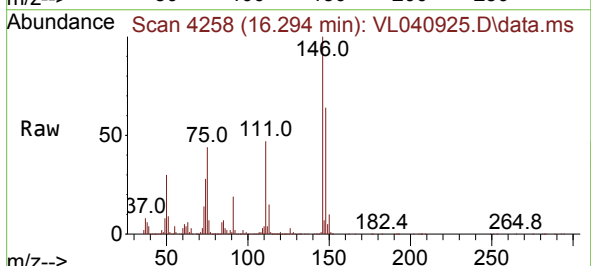
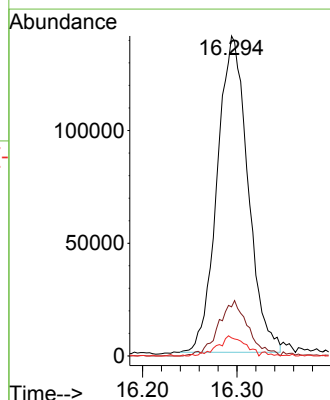
Tgt Ion: 91 Resp: 317228

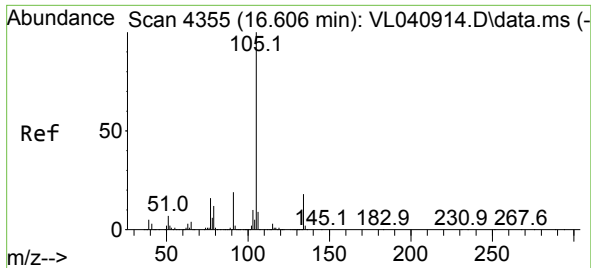
Ion Ratio Lower Upper

91 100

126 17.5 14.1 21.1

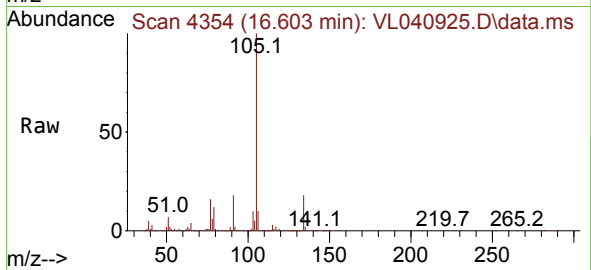
128 6.0 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 8.944 ppbv
 RT: 16.603 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL040925.D
 Acq: 21 Dec 2023 11:14

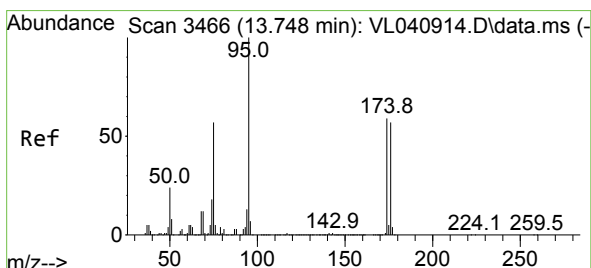
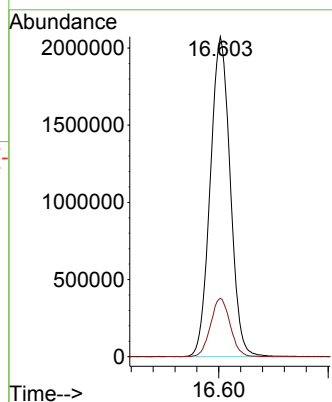
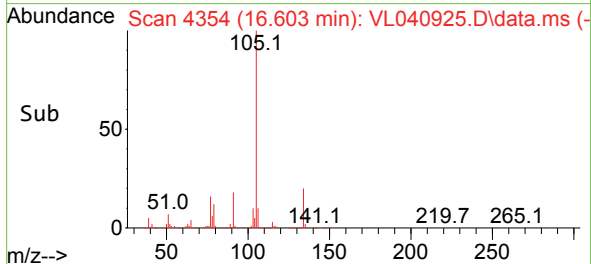
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1221ABS01



Tgt Ion:105 Resp: 524536
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.4 21.6

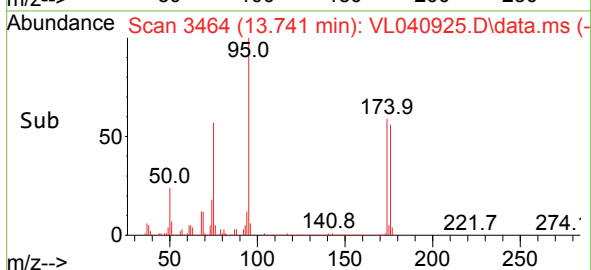
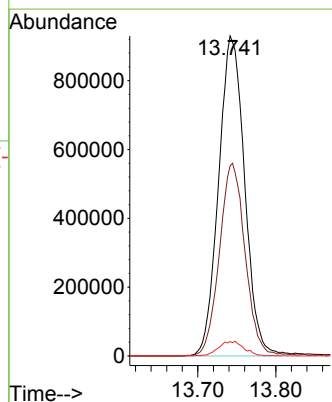
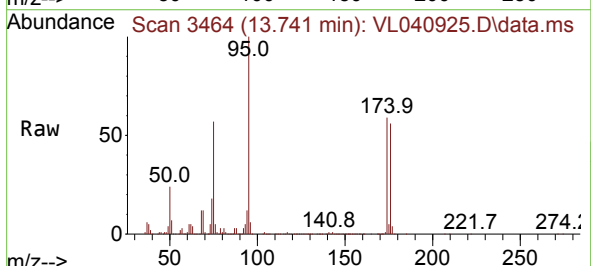
Manual Integrations
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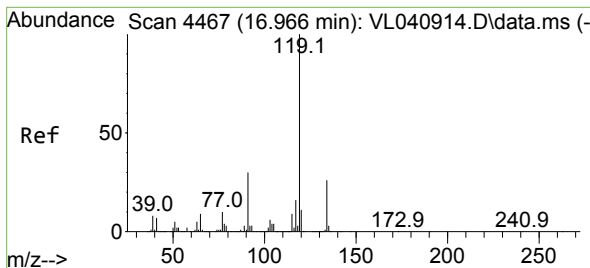
Reviewed By :Semsettin Yesilyurt 12/25/2023
 Supervised By :Mahesh Dadoda 12/26/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.398 ppbv
 RT: 13.741 min Scan# 3464
 Delta R.T. -0.006 min
 Lab File: VL040925.D
 Acq: 21 Dec 2023 11:14

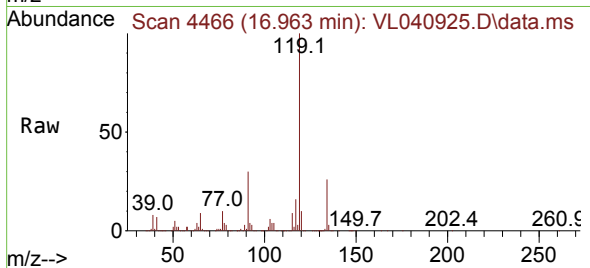
Tgt Ion: 95 Resp: 2152824
 Ion Ratio Lower Upper
 95 100
 174 60.0 48.0 72.0
 175 4.5 3.7 5.5





#69
p-Isopropyltoluene
Concen: 9.278 ppbv
RT: 16.963 min Scan# 4466
Delta R.T. -0.003 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

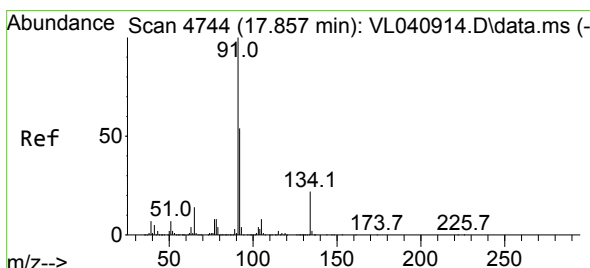
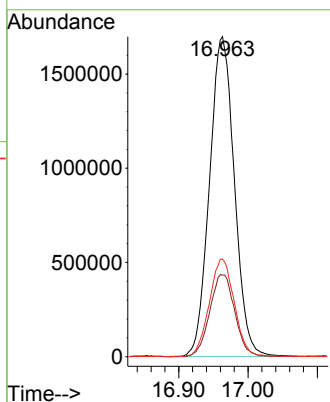
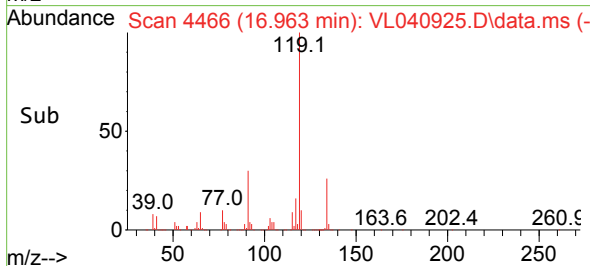
Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01



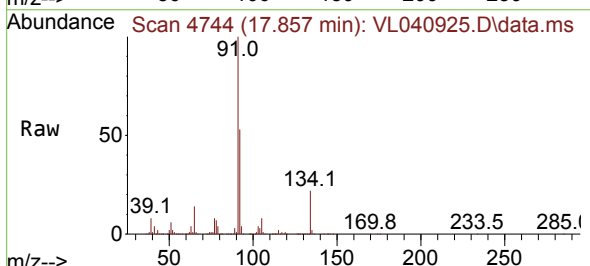
Tgt Ion: 119 Resp: 422937
Ion Ratio Lower Upper
119 100
134 26.0 20.3 30.5
91 30.6 24.1 36.1

Manual Integrations
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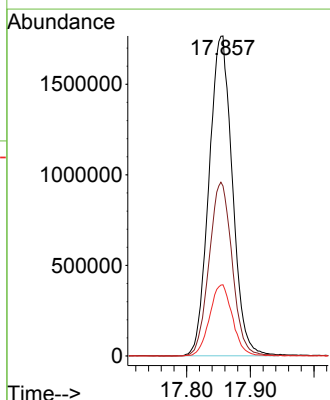
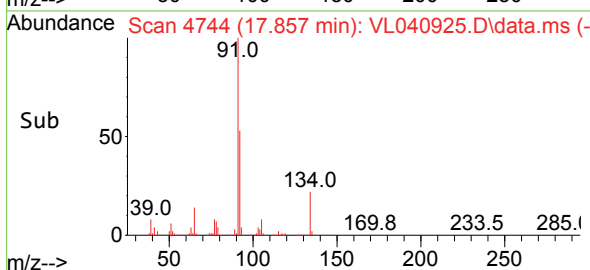
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023

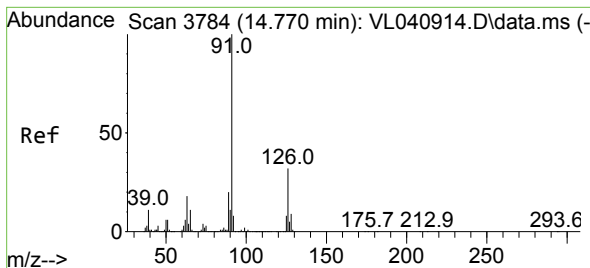


#70
n-Butylbenzene
Concen: 9.523 ppbv
RT: 17.857 min Scan# 4744
Delta R.T. 0.000 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14



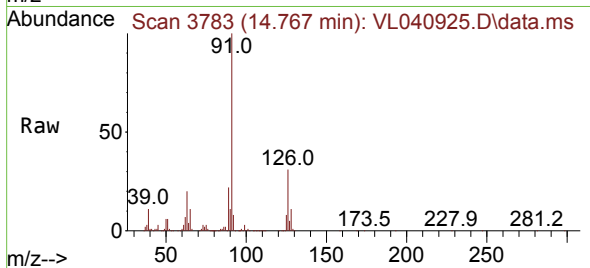
Tgt Ion: 91 Resp: 4506383
Ion Ratio Lower Upper
91 100
92 53.6 43.4 65.0
134 21.8 17.6 26.4





#71
2-Chlorotoluene
Concen: 8.994 ppbv
RT: 14.767 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14

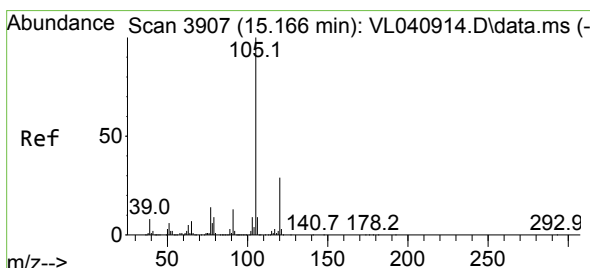
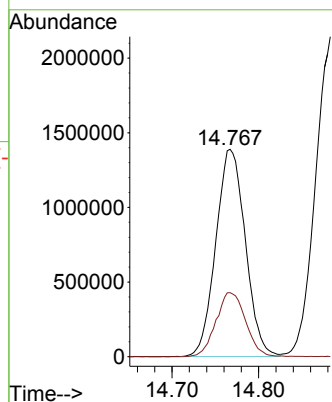
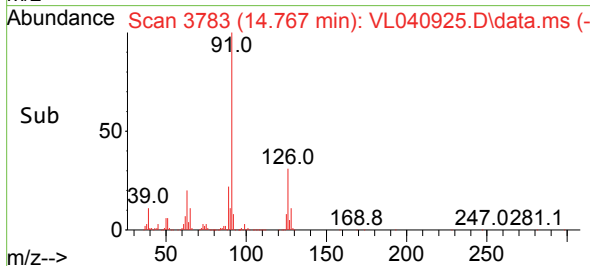
Instrument :
MSVOA_L
ClientSampleId :
VL1221ABS01



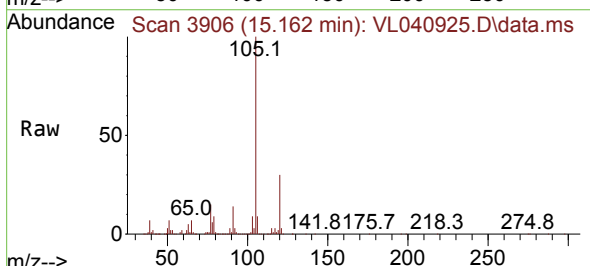
Tgt Ion: 91 Resp: 328817
Ion Ratio Lower Upper
91 100
126 31.2 12.4 49.6

Manual Integrations
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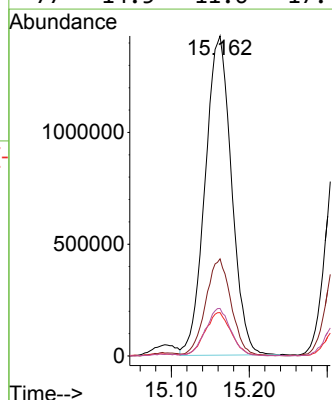
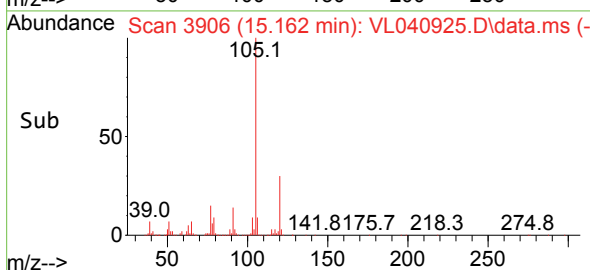
Reviewed By :Semsettin Yesilyurt 12/25/2023
Supervised By :Mahesh Dadoda 12/26/2023

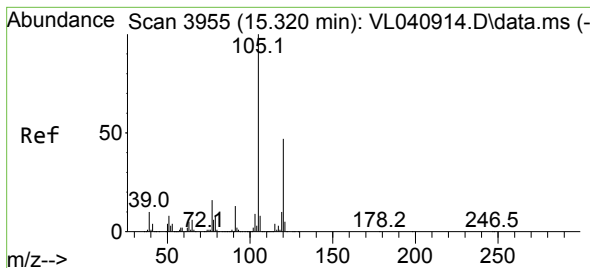


#72
4-Ethyltoluene
Concen: 9.551 ppbv
RT: 15.162 min Scan# 3906
Delta R.T. -0.003 min
Lab File: VL040925.D
Acq: 21 Dec 2023 11:14



Tgt Ion:105 Resp: 3355602
Ion Ratio Lower Upper
105 100
120 30.6 23.8 35.8
91 13.5 10.9 16.3
77 14.5 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 9.566 ppbv

RT: 15.320 min Scan# 3955

Delta R.T. 0.000 min

Lab File: VL040925.D

Acq: 21 Dec 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

VL1221ABS01

Tgt Ion:105 Resp: 2900930

Ion Ratio Lower Upper

105 100

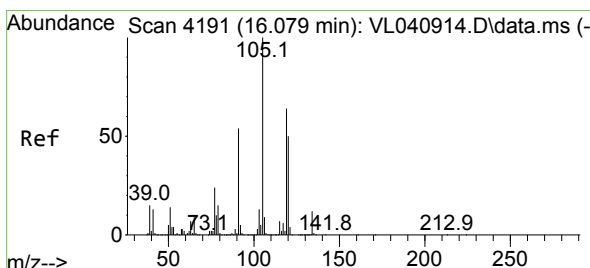
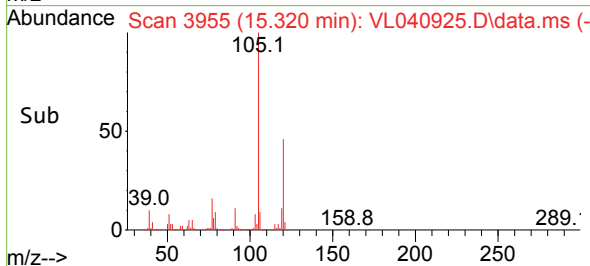
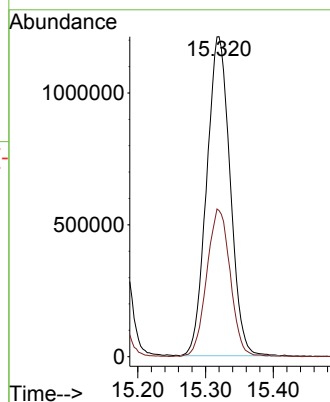
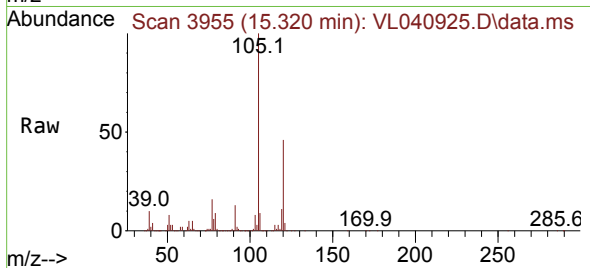
120 45.7 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/25/2023

Supervised By :Mahesh Dadoda 12/26/2023



#74

1,2,4-Trimethylbenzene

Concen: 9.390 ppbv

RT: 16.076 min Scan# 4190

Delta R.T. -0.003 min

Lab File: VL040925.D

Acq: 21 Dec 2023 11:14

Tgt Ion:105 Resp: 3169223

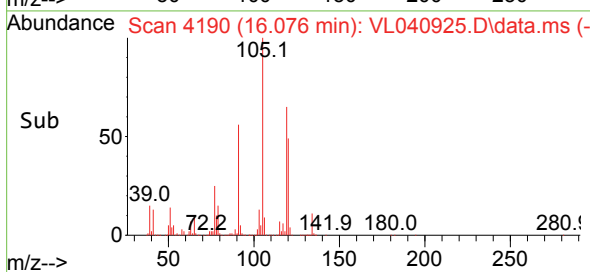
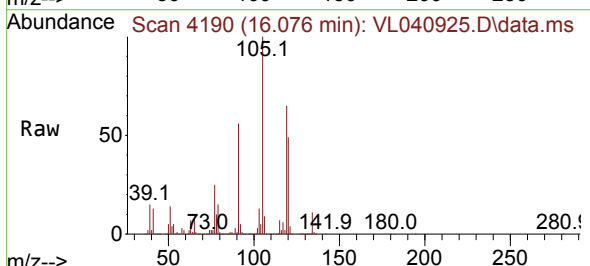
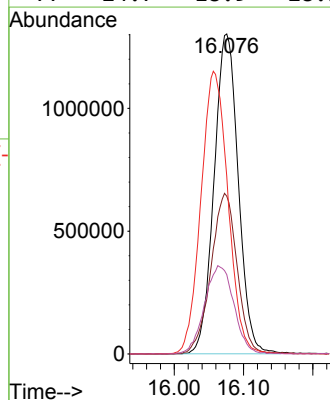
Ion Ratio Lower Upper

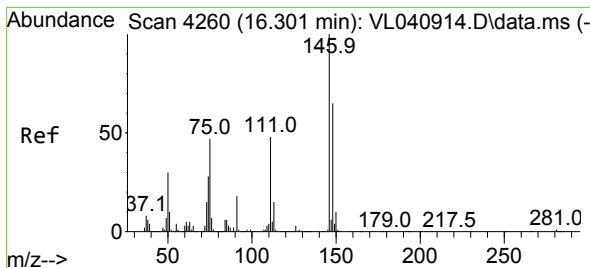
105 100

120 49.1 40.2 60.4

91 55.4 43.0 64.6

77 24.7 18.9 28.3





#75

1,3-Dichlorobenzene

Concen: 9.554 ppbv

RT: 16.297 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040925.D

Acq: 21 Dec 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

VL1221ABS01

Tgt Ion:146 Resp: 184184

Ion Ratio Lower Upper

146 100

111 48.2 24.7 74.1

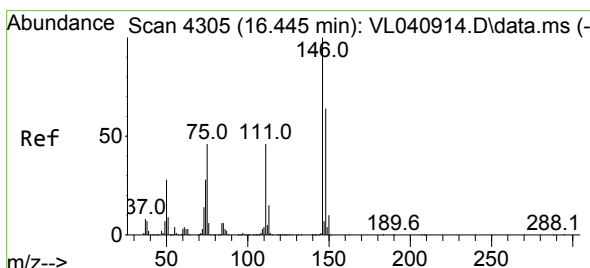
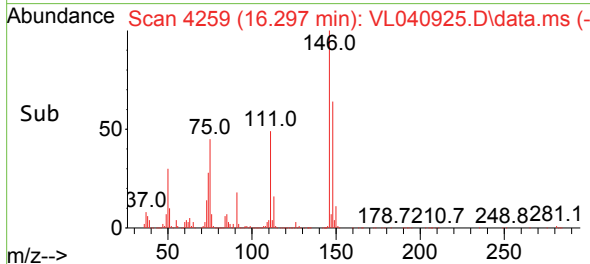
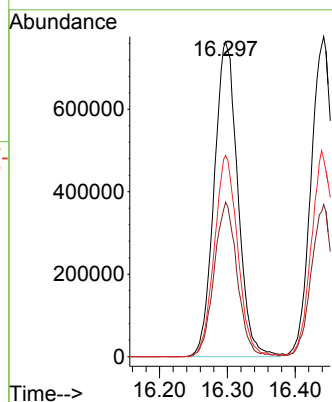
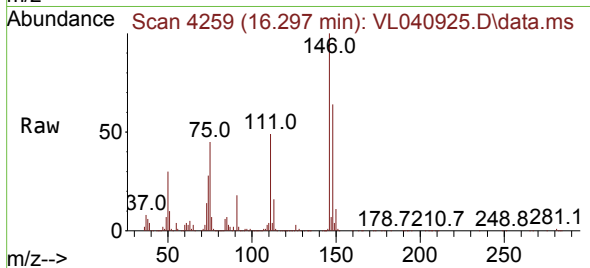
148 63.4 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/25/2023

Supervised By :Mahesh Dadoda 12/26/2023



#76

1,4-Dichlorobenzene

Concen: 9.551 ppbv

RT: 16.442 min Scan# 4304

Delta R.T. -0.003 min

Lab File: VL040925.D

Acq: 21 Dec 2023 11:14

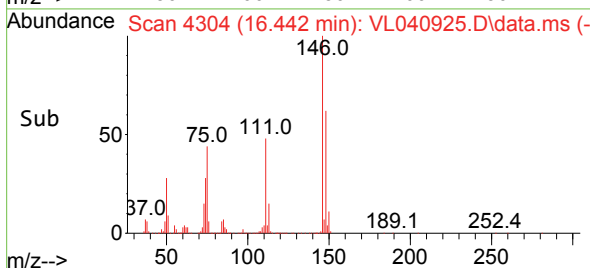
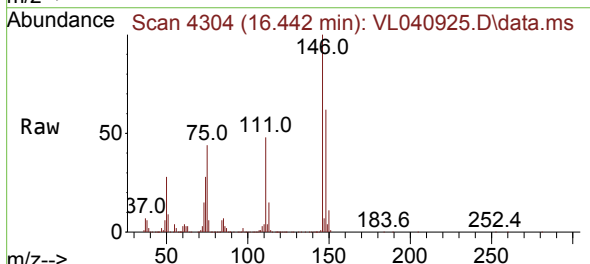
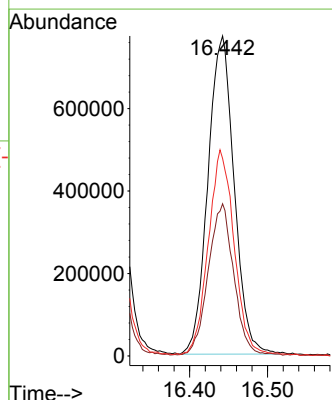
Tgt Ion:146 Resp: 1801265

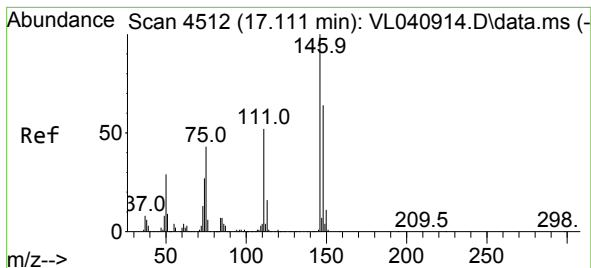
Ion Ratio Lower Upper

146 100

111 46.5 24.1 72.4

148 65.0 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 9.370 ppbv

RT: 17.108 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040925.D

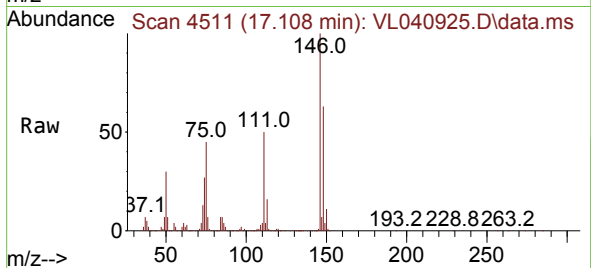
Acq: 21 Dec 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

VL1221ABS01



Tgt Ion:146 Resp: 174018

Ion Ratio Lower Upper

146 100

111 50.3 25.5 76.5

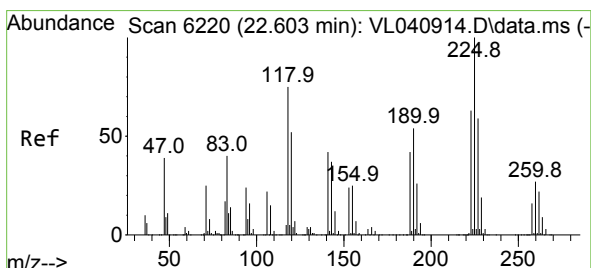
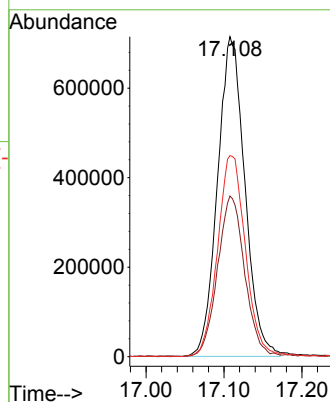
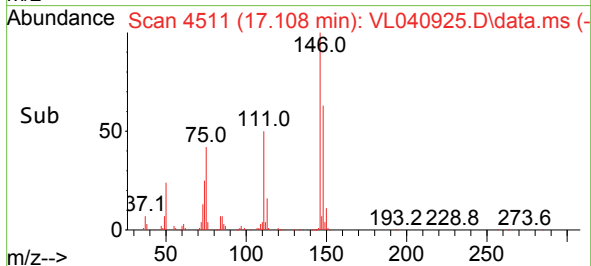
148 64.3 32.2 96.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/25/2023

Supervised By :Mahesh Dadoda 12/26/2023



#78

Hexachloro-1,3-Butadiene

Concen: 8.279 ppbv

RT: 22.593 min Scan# 6217

Delta R.T. -0.010 min

Lab File: VL040925.D

Acq: 21 Dec 2023 11:14

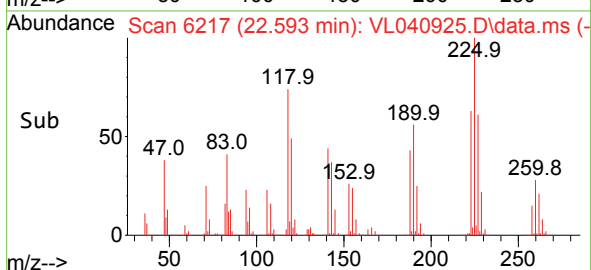
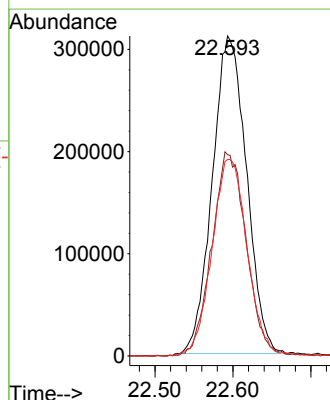
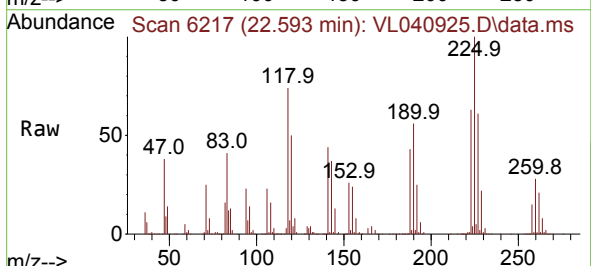
Tgt Ion:225 Resp: 945694

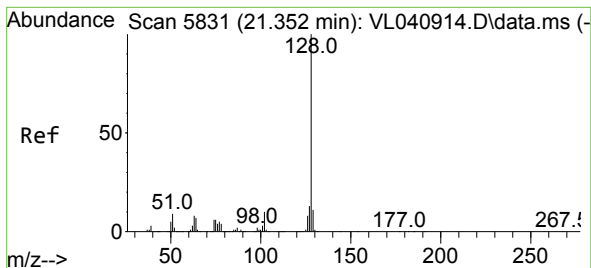
Ion Ratio Lower Upper

225 100

223 65.2 51.5 77.3

227 64.2 51.7 77.5





#79

Naphthalene

Concen: 13.176 ppbv m

RT: 21.349 min Scan# 5831

Delta R.T. -0.003 min

Lab File: VL040925.D

Acq: 21 Dec 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

VL1221ABS01

Tgt Ion:128 Resp: 214256

Ion Ratio Lower Upper

128 100

127 12.7 10.6 15.8

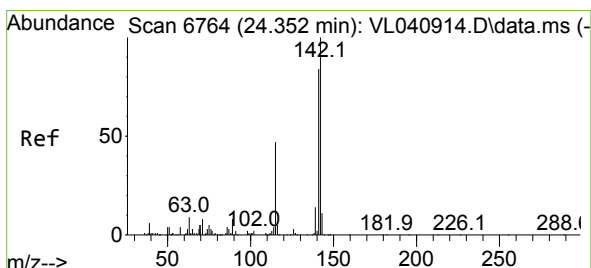
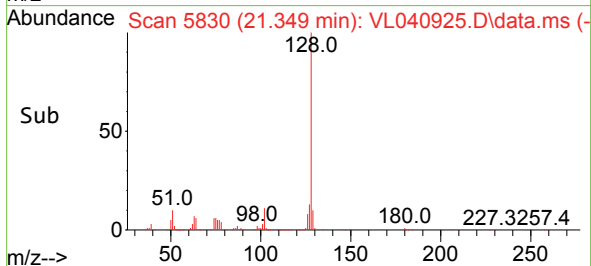
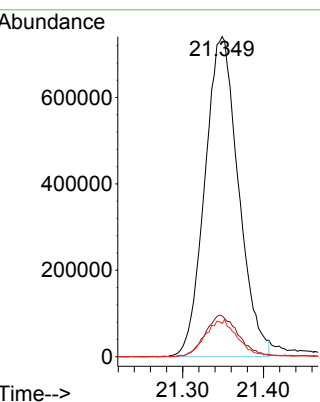
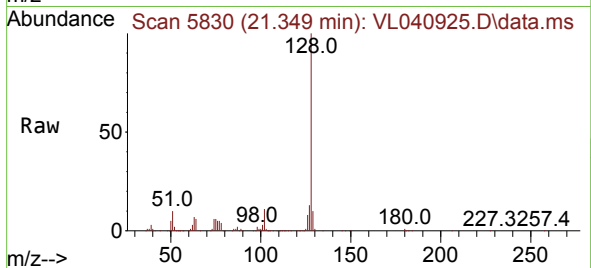
129 10.3 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/25/2023

Supervised By :Mahesh Dadoda 12/26/2023



#80

Naphthalene,2-methyl-

Concen: 14.083 ppbv

RT: 24.349 min Scan# 6763

Delta R.T. -0.003 min

Lab File: VL040925.D

Acq: 21 Dec 2023 11:14

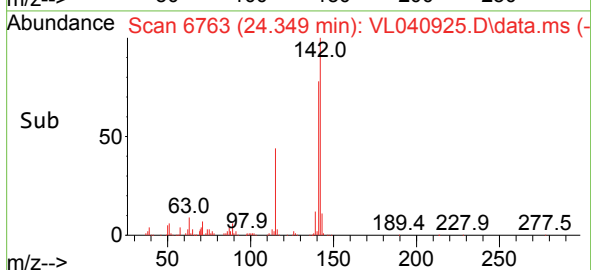
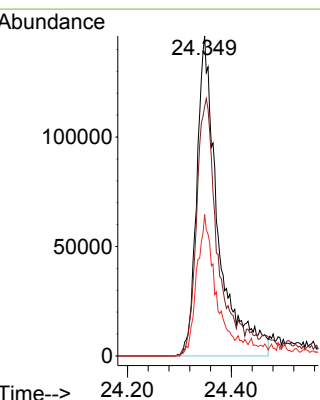
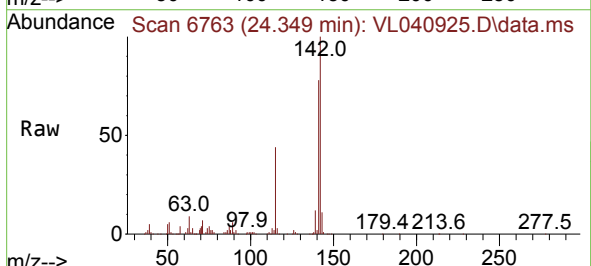
Tgt Ion:142 Resp: 418580

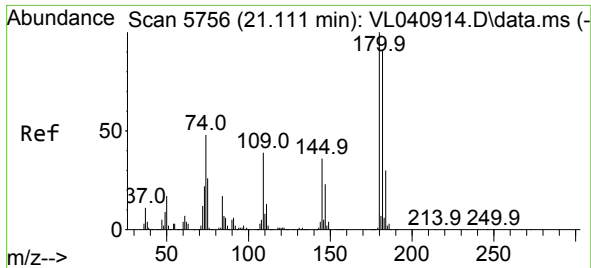
Ion Ratio Lower Upper

142 100

141 81.6 68.5 102.7

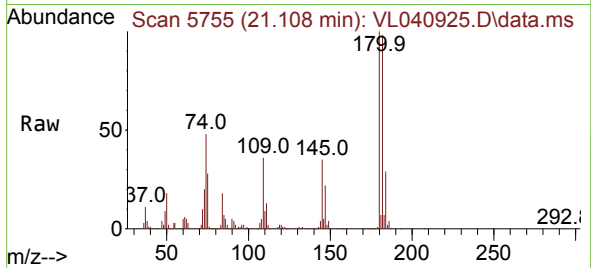
115 44.0 34.5 51.7





#81
 1,2,4-Trichlorobenzene
 Concen: 11.596 ppbv
 RT: 21.108 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL040925.D
 Acq: 21 Dec 2023 11:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1221ABS01



Tgt Ion:180 Resp: 108258
 Ion Ratio Lower Upper
 180 100
 182 97.2 79.4 119.0
 184 30.9 24.5 36.7

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/25/2023
 Supervised By :Mahesh Dadoda 12/26/2023

