

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122023\
 Data File : VL040921.D
 Acq On : 20 Dec 2023 16:35
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL122023

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/21/2023
 Supervised By : Mahesh Dadoda 12/21/2023

Quant Time: Dec 21 07:35:41 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	1290547	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3235813	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	3198427m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.751 95 2244669 9.528 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.748	85	2227294	9.061	ppbv	98
3) Chlorodifluoromethane	2.693	51	1745539	8.988	ppbv	99
4) Chloromethane	2.832	50	647904	9.048	ppbv	97
5) Vinyl Chloride	2.938	62	679596	9.832	ppbv	100
6) Bromomethane	3.134	94	294505	9.604	ppbv	96
7) Chloroethane	3.211	64	241260	9.790	ppbv	95
8) Dichlorotetrafluoroethane	2.873	85	1648023	9.305	ppbv	99
9) Propene	2.713	41	610042	9.520	ppbv	100
10) Heptane	7.561	43	1520220	9.544	ppbv	99
11) Trichlorofluoromethane	3.571	101	1774423	9.233	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.070	101	1285259	8.612	ppbv	97
13) Ethanol	3.250	45	137468m	8.504	ppbv	
14) Bromoethene	3.375	108	528511	9.662	ppbv	98
15) Acetone	3.478	43	1241741	8.023	ppbv	100
16) 1,3-Butadiene	2.999	39	665850	9.991	ppbv	95
17) tert-Butyl alcohol	3.883	59	1064179	9.294	ppbv	98
18) 1,1-Dichloroethene	3.886	96	578074	9.381	ppbv	95
19) Isopropyl Alcohol	3.581	45	727018	9.002	ppbv	100
20) Methylene Chloride	3.938	84	455334	8.253	ppbv	97
21) Allyl Chloride	3.999	41	847857	9.267	ppbv	98
22) trans-1,2-Dichloroethene	4.446	96	612947	8.724	ppbv	98
23) Vinyl Acetate	4.626	43	1816353	10.637	ppbv	99
24) 1,1-Dichloroethane	4.565	63	1434532	9.392	ppbv	99
25) Ethyl Acetate	5.198	43	2591121	9.661	ppbv	99
26) Hexane	5.208	57	1124737	9.463	ppbv	99
27) Carbon Disulfide	4.127	76	1479300	9.196	ppbv	98
28) Methyl tert-Butyl Ether	4.584	73	1086785	9.853	ppbv	100
29) Chloroform	5.269	83	1877096	9.358	ppbv	99
30) Cyclohexane	6.590	84	961641	9.704	ppbv	99
31) cis-1,2-Dichloroethene	5.073	61	1184504	9.701	ppbv	99
32) 1,1,1-Trichloroethane	5.995	97	1865125	9.618	ppbv	99
34) 2-Butanone	4.780	43	1656744	9.679	ppbv	100
35) Carbon Tetrachloride	6.484	117	1985695	9.799	ppbv	99
36) Benzene	6.359	78	2390426	9.450	ppbv	99
37) 1,2-Dichloroethane	5.799	62	1449058	9.561	ppbv	100
38) Trichloroethene	7.275	130	939980	9.894	ppbv	98
39) 1,2-Dichloropropane	7.060	63	936850	9.425	ppbv	99
40) 1,4-Dioxane	7.269	88	371935	8.862	ppbv	98
41) Tetrahydrofuran	5.549	42	1013824	9.735	ppbv	98
42) Bromodichloromethane	7.233	83	2106107	9.635	ppbv	98
43) Methyl Methacrylate	7.455	69	998922	10.068	ppbv	99
44) 2,2,4-Trimethylpentane	7.311	57	3945848	9.183	ppbv	100
45) t-1,3-Dichloropropene	8.690	75	829218	11.265	ppbv	98

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

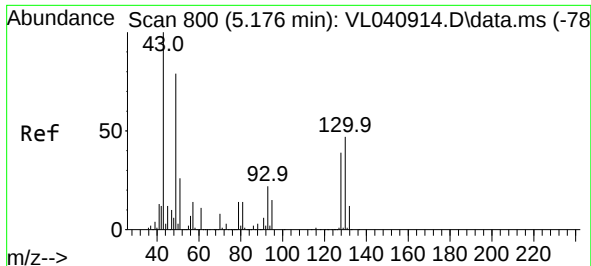
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

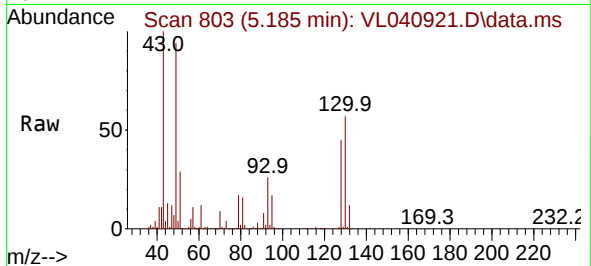
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	966569	10.606	ppbv	97
47) 1,1,2-Trichloroethane	8.880	97	1004669	9.528	ppbv	99
48) Dibromochloromethane	9.690	129	1807591	10.043	ppbv	99
49) Bromoform	12.381	173	1437803	10.353	ppbv	100
50) 4-Methyl-2-Pentanone	8.159	43	2505116	9.663	ppbv	99
51) 2-Hexanone	9.526	43	1858472	9.960	ppbv #	99
52) Tetrachloroethene	10.593	164	815446	9.570	ppbv	98
53) Toluene	9.198	91	2727481	9.724	ppbv	100
54) 1,2-Dibromoethane	9.986	107	1455677	10.060	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.481	131	1272411	9.097	ppbv	99
57) Chlorobenzene	11.500	112	2097218	8.904	ppbv	99
58) Ethyl Benzene	12.063	91	3668267	8.929	ppbv	99
59) m/p-Xylene	12.346	91	6212773m	17.779	ppbv	
60) o-Xylene	13.034	91	2948232	8.954	ppbv	100
61) Styrene	12.870	104	1563779	9.991	ppbv	99
62) Isopropylbenzene	14.005	105	4306327	8.820	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.021	83	2166389	9.134	ppbv	99
64) n-propylbenzene	14.889	120	1128197	9.212	ppbv	99
65) tert-Butylbenzene	16.063	119	3769896	9.083	ppbv	99
66) Benzyl Chloride	16.304	91	333686	11.749	ppbv	100
67) sec-Butylbenzene	16.609	105	5300047	8.787	ppbv	100
69) p-Isopropyltoluene	16.969	119	4313178	9.200	ppbv	99
70) n-Butylbenzene	17.863	91	4549064	9.347	ppbv	100
71) 2-Chlorotoluene	14.773	91	3380458	8.990	ppbv	100
72) 4-Ethyltoluene	15.166	105	3397923	9.403	ppbv	99
73) 1,3,5-Trimethylbenzene	15.326	105	2952992	9.468	ppbv	97
74) 1,2,4-Trimethylbenzene	16.079	105	3217745	9.270	ppbv	94
75) 1,3-Dichlorobenzene	16.304	146	1863053	9.397	ppbv	98
76) 1,4-Dichlorobenzene	16.445	146	1823244	9.400	ppbv	99
77) 1,2-Dichlorobenzene	17.114	146	1770836	9.271	ppbv	99
78) Hexachloro-1,3-Butadiene	22.603	225	962957	8.197	ppbv	100
79) Naphthalene	21.355	128	2158937m	12.909	ppbv	
80) Naphthalene,2-methyl-	24.355	142	460935	15.079	ppbv	95
81) 1,2,4-Trichlorobenzene	21.114	180	1086434	11.315	ppbv	100

(#) = 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
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

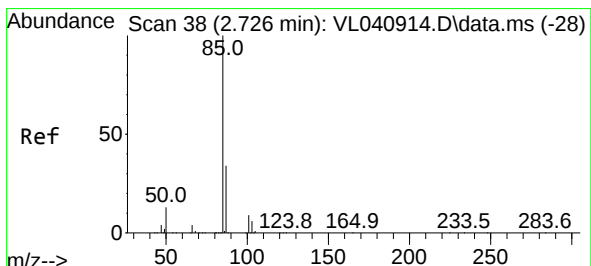
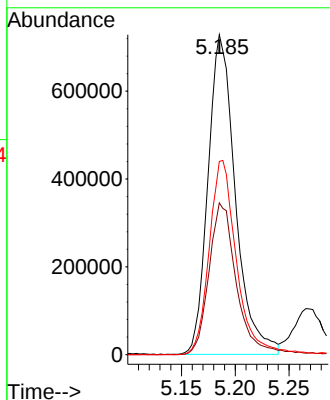
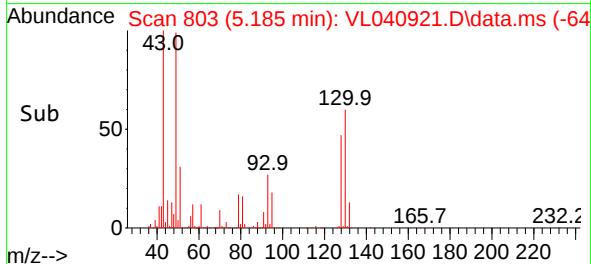
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023



Tgt Ion: 49 Resp: 129054
Ion Ratio Lower Upper
49 100
128 48.6 23.8 71.2
130 61.6 30.1 90.5

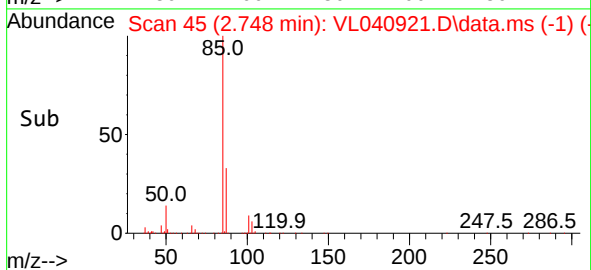
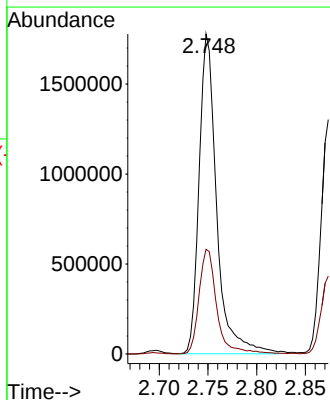
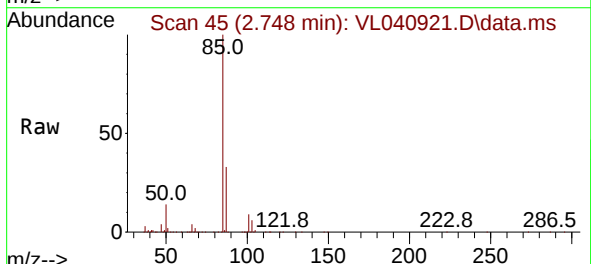
Manual Integrations
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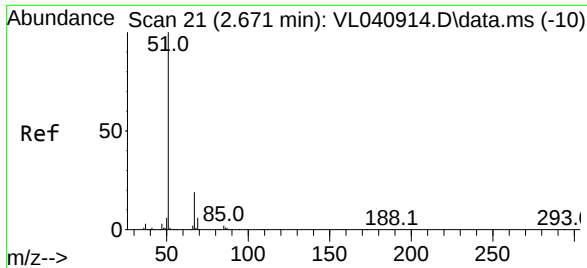
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#2
Dichlorodifluoromethane
Concen: 9.061 ppbv
RT: 2.748 min Scan# 45
Delta R.T. 0.022 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

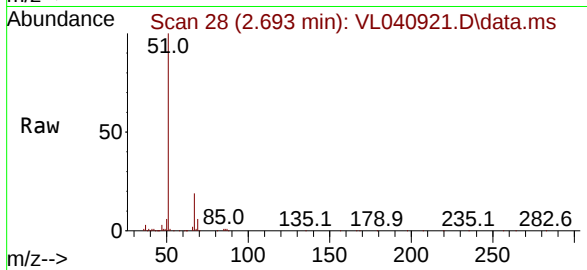
Tgt Ion: 85 Resp: 2227294
Ion Ratio Lower Upper
85 100
87 32.6 27.0 40.6





#3
Chlorodifluoromethane
Concen: 8.988 ppbv
RT: 2.693 min Scan# 21
Delta R.T. 0.022 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

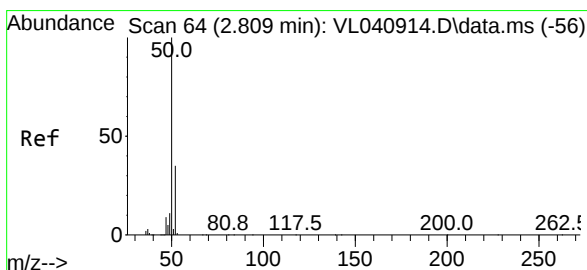
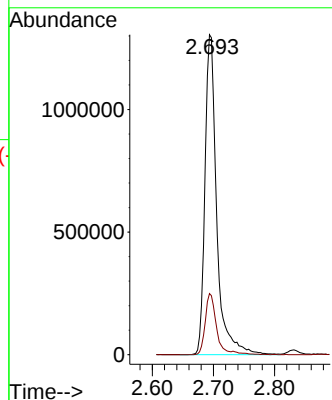
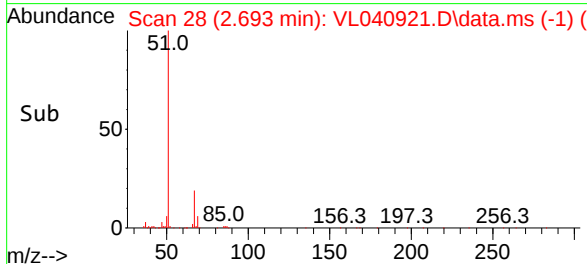
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023



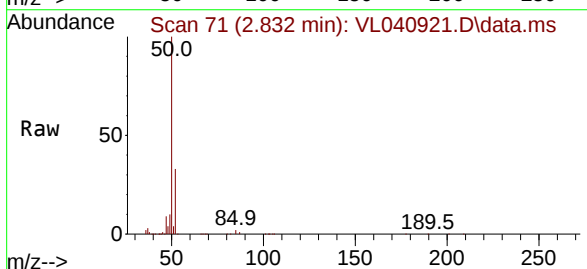
Tgt Ion: 51 Resp: 1745539
Ion Ratio Lower Upper
51 100
67 18.6 14.7 22.1

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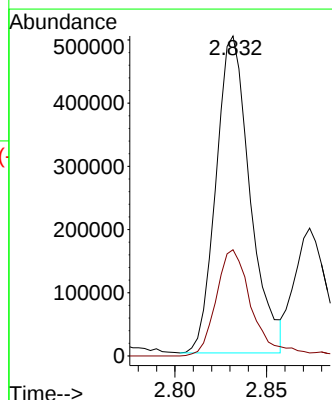
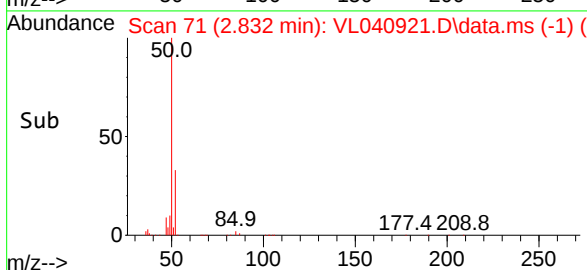
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

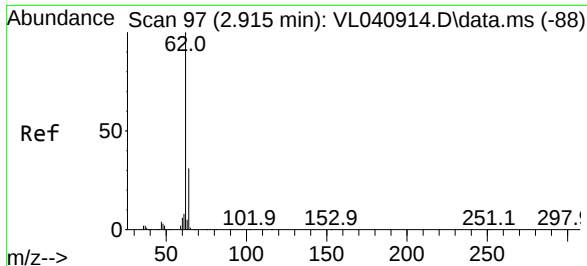


#4
Chloromethane
Concen: 9.048 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.022 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35



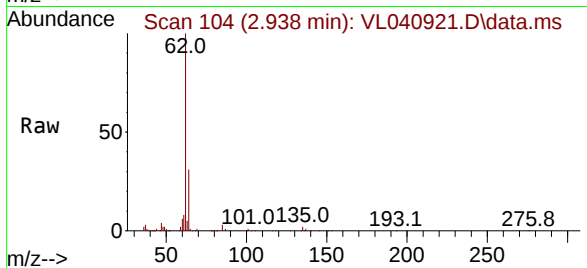
Tgt Ion: 50 Resp: 647904
Ion Ratio Lower Upper
50 100
52 33.5 28.0 42.0





#5
 Vinyl Chloride
 Concen: 9.832 ppbv
 RT: 2.938 min Scan# 104
 Delta R.T. 0.022 min
 Lab File: VL040921.D
 Acq: 20 Dec 2023 16:35

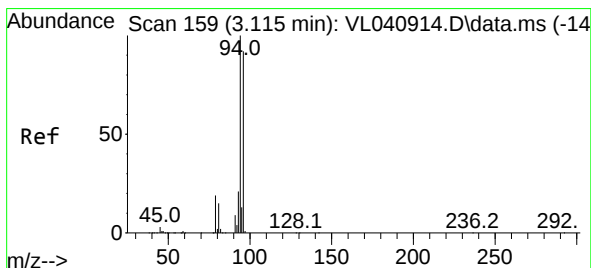
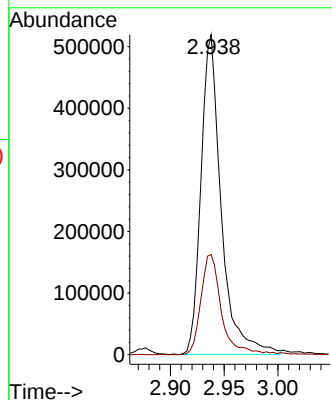
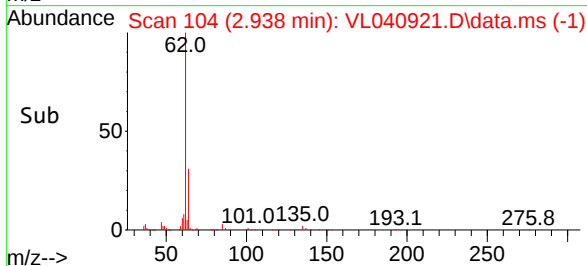
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL122023



Tgt Ion: 62 Resp: 679590
 Ion Ratio Lower Upper
 62 100
 64 31.3 24.9 37.3

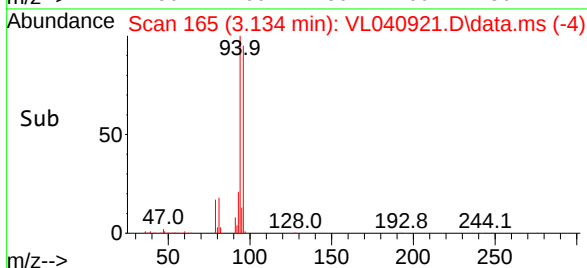
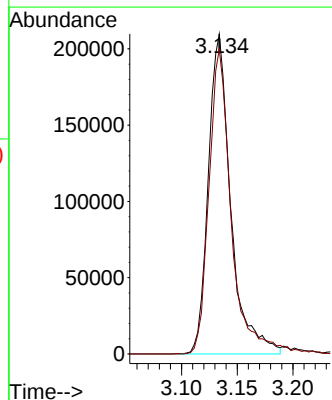
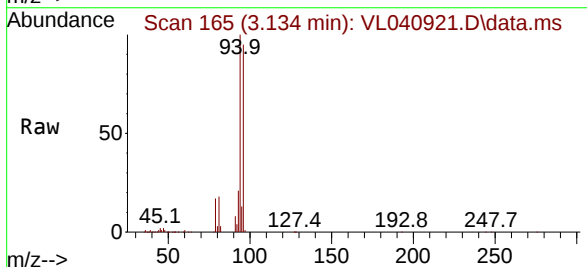
Manual Integrations
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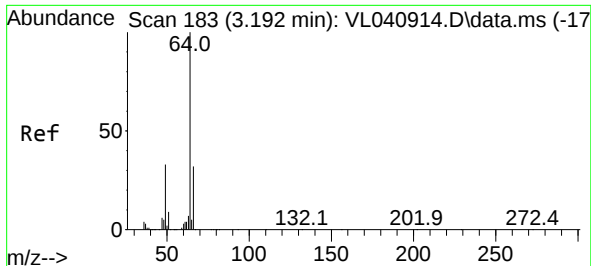
Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023



#6
 Bromomethane
 Concen: 9.604 ppbv
 RT: 3.134 min Scan# 165
 Delta R.T. 0.019 min
 Lab File: VL040921.D
 Acq: 20 Dec 2023 16:35

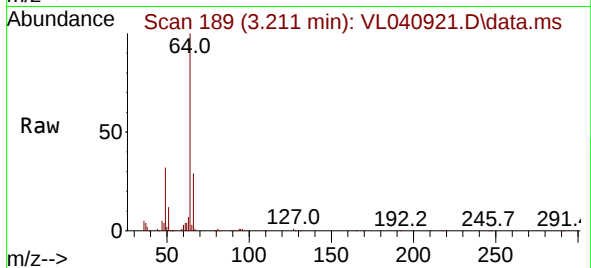
Tgt Ion: 94 Resp: 294505
 Ion Ratio Lower Upper
 94 100
 96 95.1 73.2 109.8





#7
Chloroethane
Concen: 9.790 ppbv
RT: 3.211 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

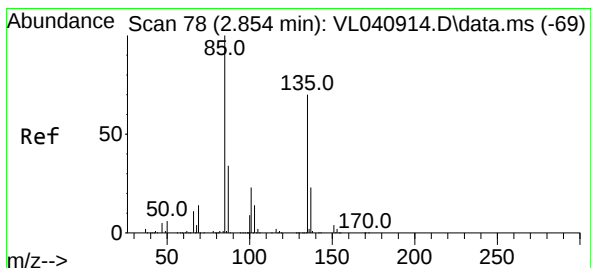
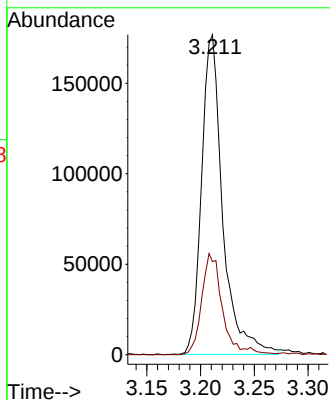
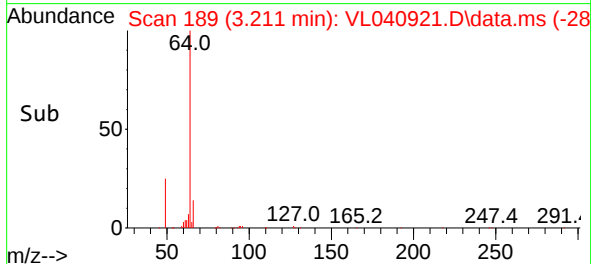
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023



Tgt Ion: 64 Resp: 241260
Ion Ratio Lower Upper
64 100
66 29.1 25.7 38.5

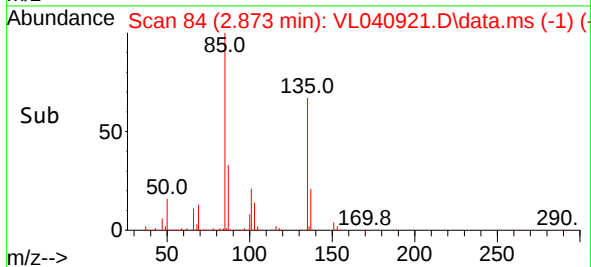
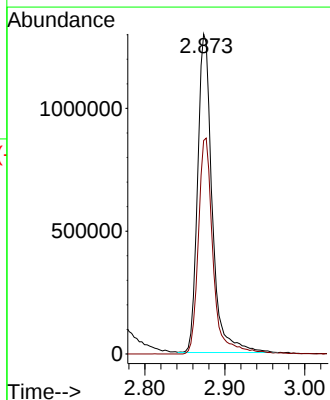
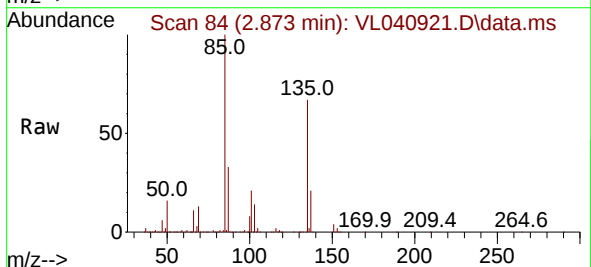
Manual Integrations
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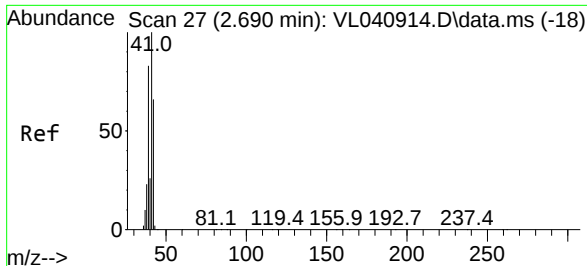
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#8
Dichlorotetrafluoroethane
Concen: 9.305 ppbv
RT: 2.873 min Scan# 84
Delta R.T. 0.019 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion: 85 Resp: 1648023
Ion Ratio Lower Upper
85 100
135 68.9 55.8 83.8





#9

Propene

Concen: 9.520 ppbv

RT: 2.713 min Scan# 34

Delta R.T. 0.022 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

Tgt Ion: 41 Resp: 61004

Ion Ratio Lower Upper

41 100

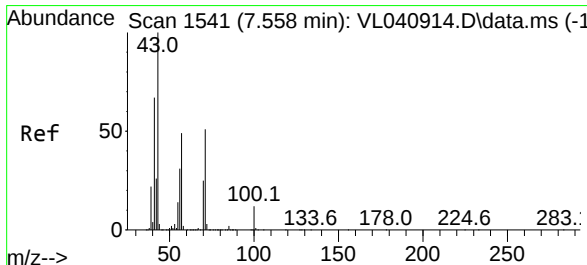
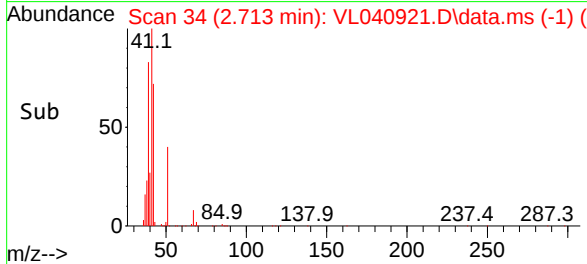
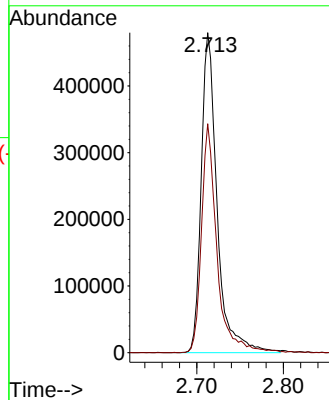
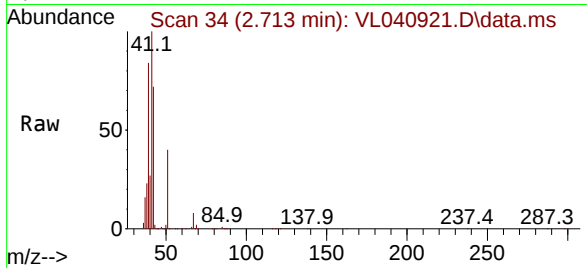
42 69.8 55.8 83.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#10

Heptane

Concen: 9.544 ppbv

RT: 7.561 min Scan# 1542

Delta R.T. 0.003 min

Lab File: VL040921.D

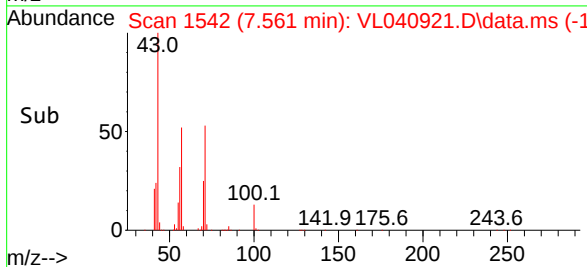
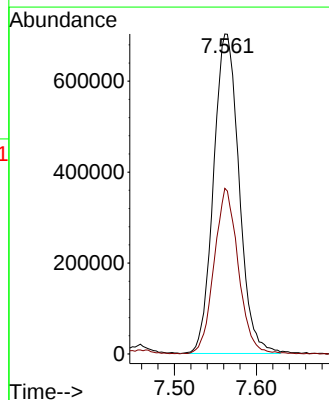
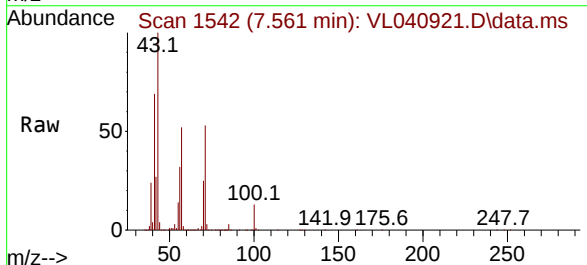
Acq: 20 Dec 2023 16:35

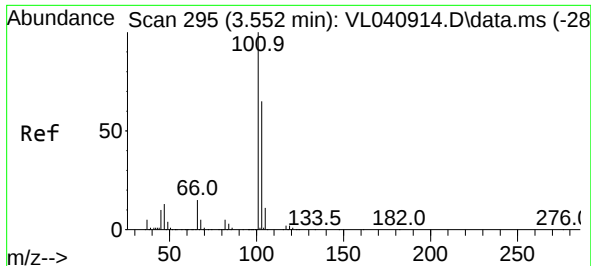
Tgt Ion: 43 Resp: 1520220

Ion Ratio Lower Upper

43 100

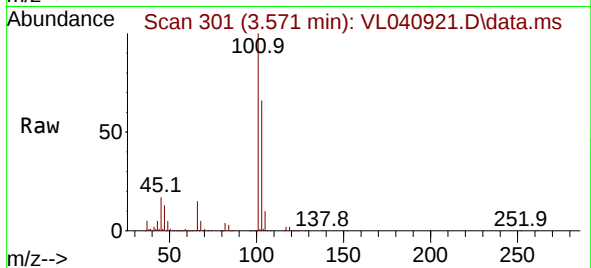
57 49.5 39.3 58.9





#11
Trichlorofluoromethane
Concen: 9.233 ppbv
RT: 3.571 min Scan# 301
Delta R.T. 0.019 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

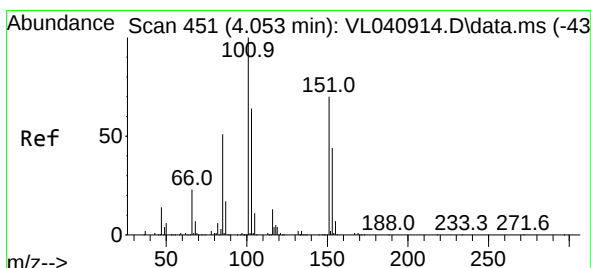
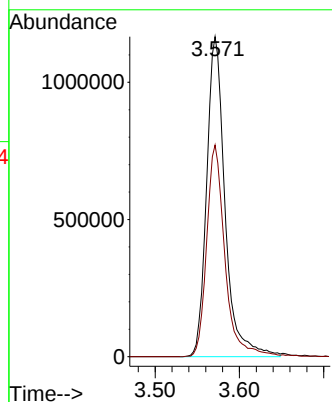
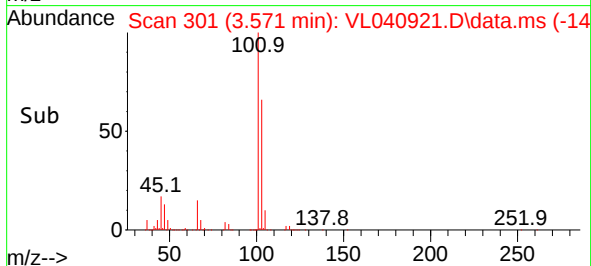
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023



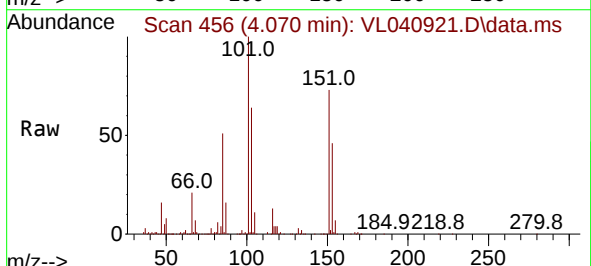
Tgt Ion:101 Resp: 177442
Ion Ratio Lower Upper
101 100
103 66.1 51.9 77.9

Manual Integrations
APPROVED

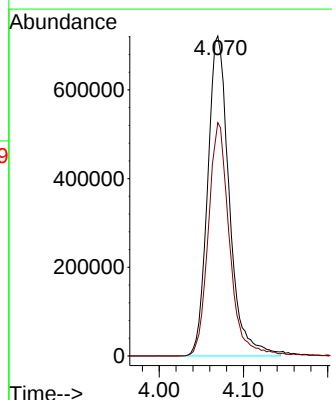
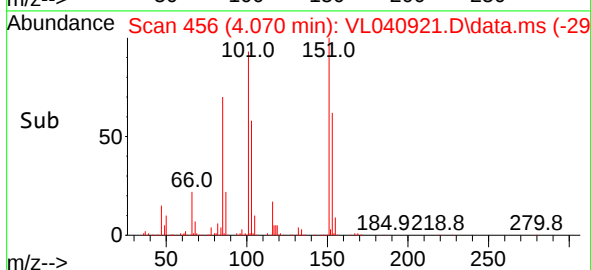
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

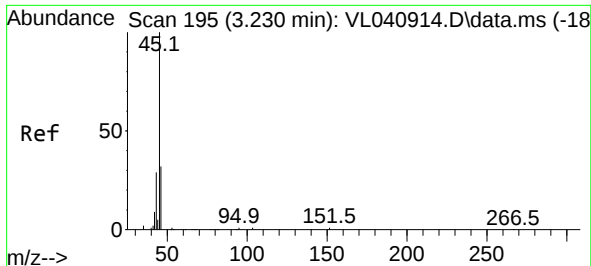


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.612 ppbv
RT: 4.070 min Scan# 456
Delta R.T. 0.016 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35



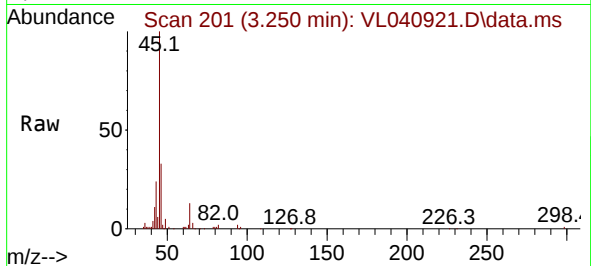
Tgt Ion:101 Resp: 1285259
Ion Ratio Lower Upper
101 100
151 72.0 55.8 83.8





#13
Ethanol
Concen: 8.504 ppbv m
RT: 3.250 min Scan# 201
Delta R.T. 0.019 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

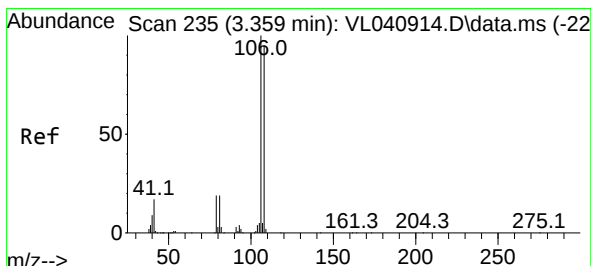
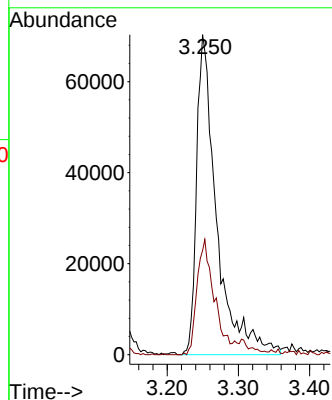
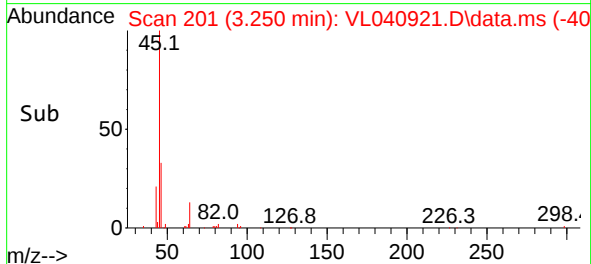
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023



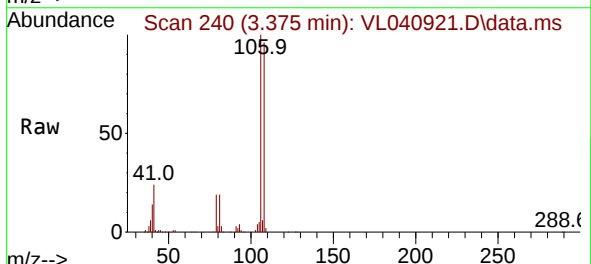
Tgt Ion: 45 Resp: 137468
Ion Ratio Lower Upper
45 100
46 35.3 15.0 60.0

Manual Integrations
APPROVED

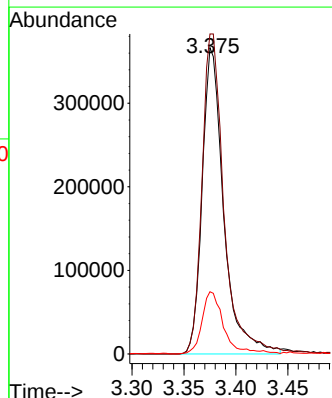
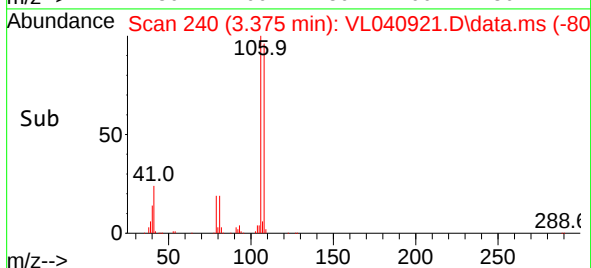
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

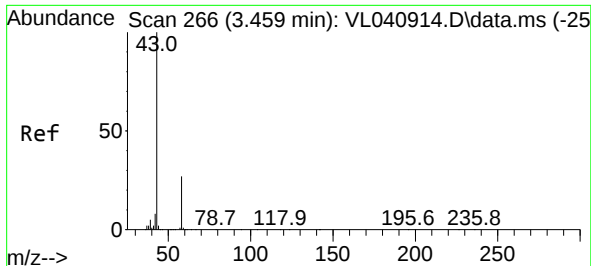


#14
Bromoethene
Concen: 9.662 ppbv
RT: 3.375 min Scan# 240
Delta R.T. 0.016 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35



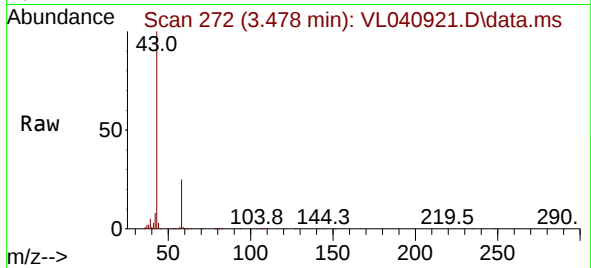
Tgt Ion:108 Resp: 528511
Ion Ratio Lower Upper
108 100
106 107.6 87.5 131.3
79 20.6 16.6 24.8





#15
Acetone
Concen: 8.023 ppbv
RT: 3.478 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

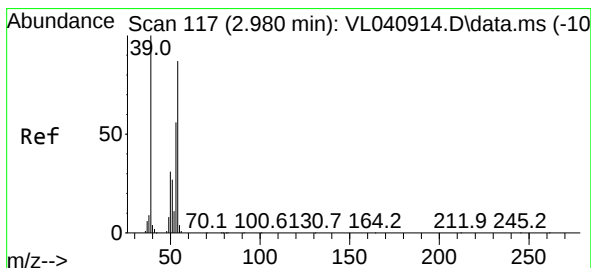
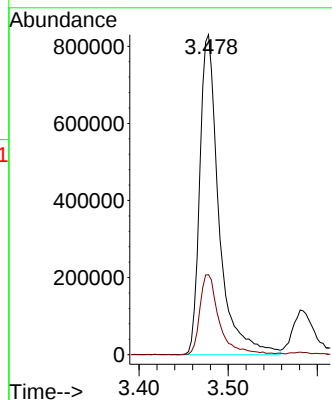
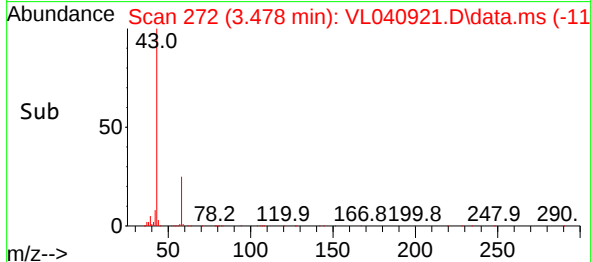
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023



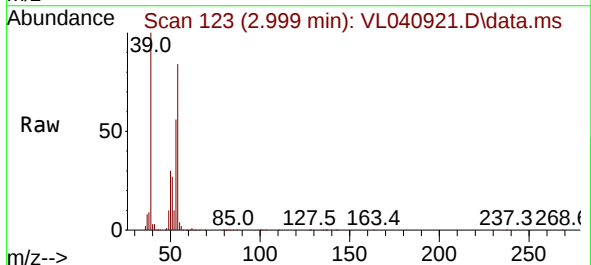
Tgt Ion: 43 Resp: 124174
Ion Ratio Lower Upper
43 100
58 25.5 20.6 30.8

Manual Integrations
APPROVED

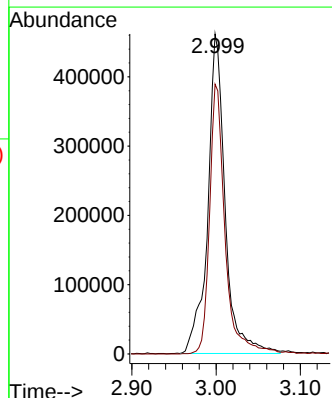
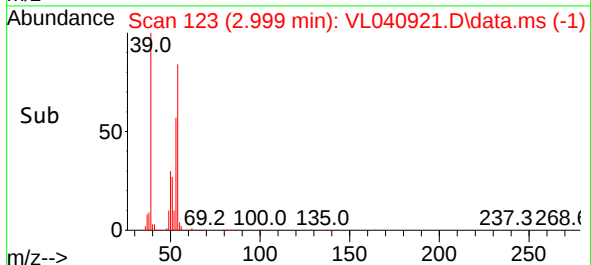
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

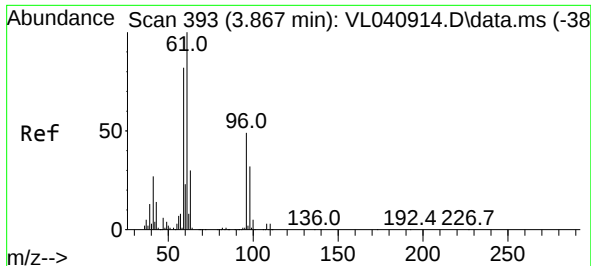


#16
1,3-Butadiene
Concen: 9.991 ppbv
RT: 2.999 min Scan# 123
Delta R.T. 0.019 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35



Tgt Ion: 39 Resp: 665850
Ion Ratio Lower Upper
39 100
54 75.4 63.8 95.6





#17

tert-Butyl alcohol

Concen: 9.294 ppbv

RT: 3.883 min Scan# 398

Delta R.T. 0.016 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

Tgt Ion: 59 Resp: 1064179

Ion Ratio Lower Upper

59 100

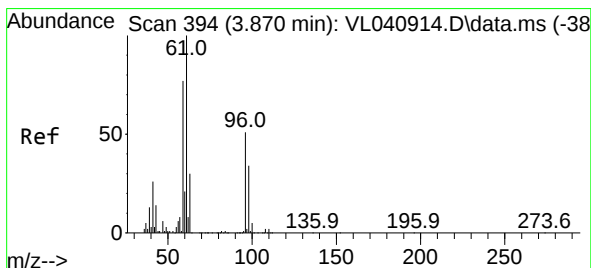
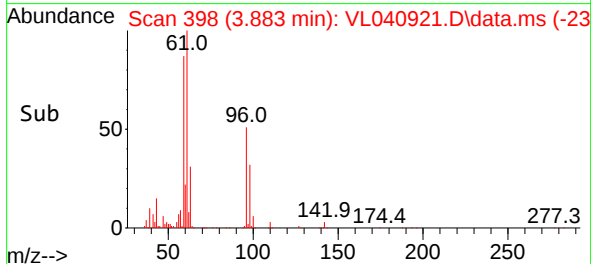
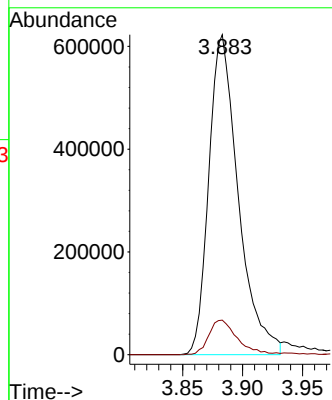
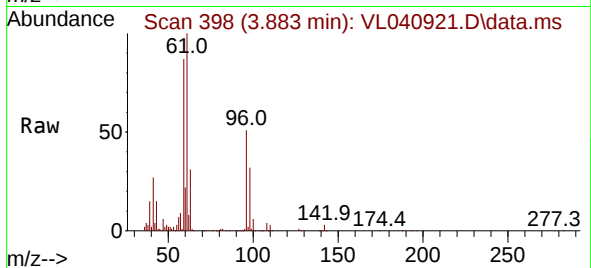
57 11.1 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#18

1,1-Dichloroethene

Concen: 9.381 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.016 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

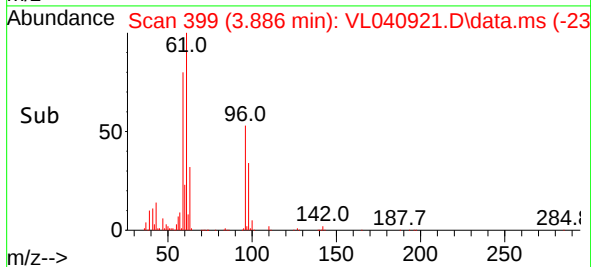
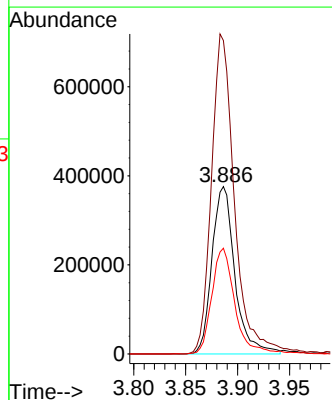
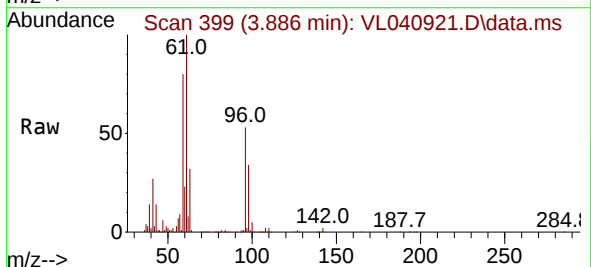
Tgt Ion: 96 Resp: 578074

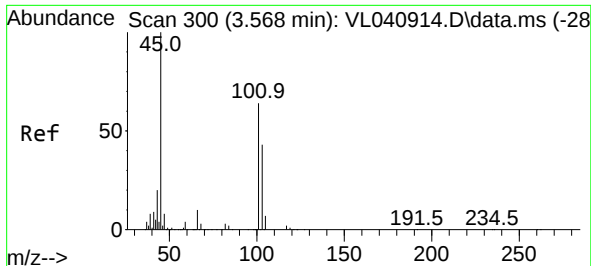
Ion Ratio Lower Upper

96 100

61 187.3 156.6 235.0

98 63.2 52.5 78.7





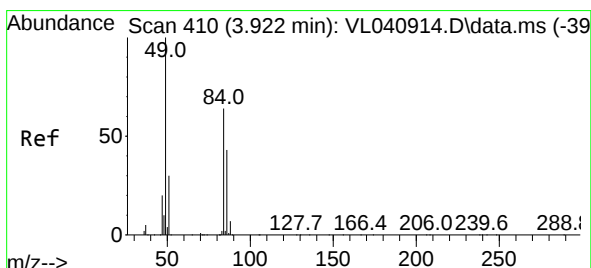
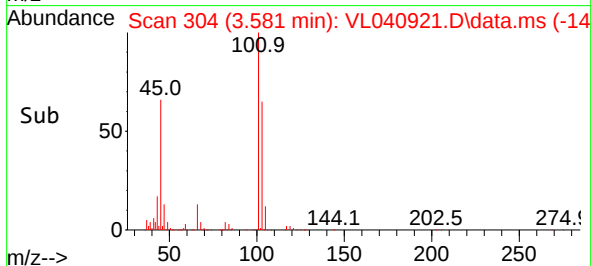
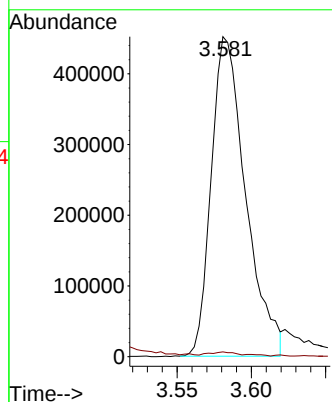
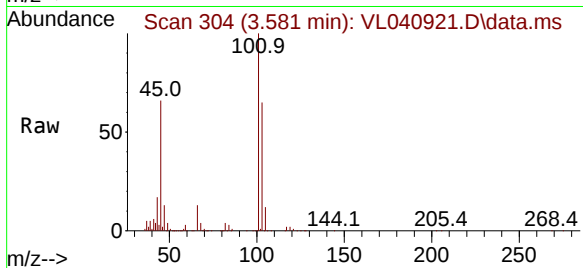
#19
Isopropyl Alcohol
Concen: 9.002 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.013 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023

Tgt Ion: 45 Resp: 727018
Ion Ratio Lower Upper
45 100
58 1.9 1.5 2.3

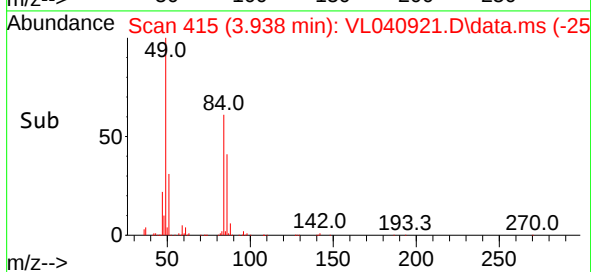
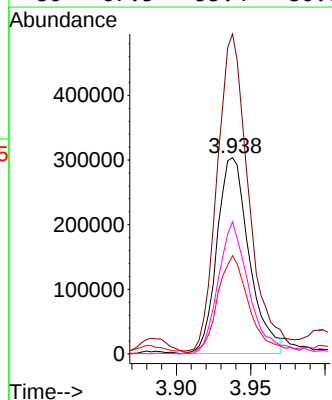
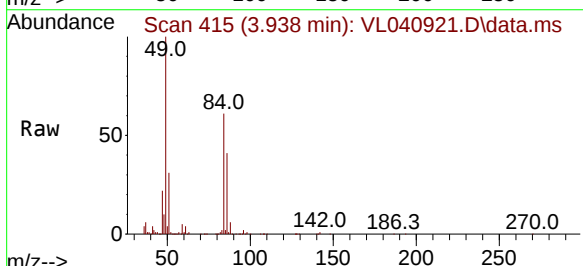
Manual Integrations
APPROVED

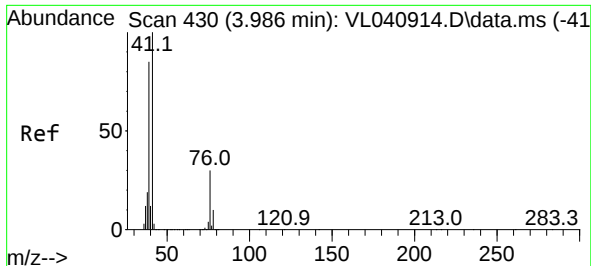
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#20
Methylene Chloride
Concen: 8.253 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.016 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion: 84 Resp: 455334
Ion Ratio Lower Upper
84 100
49 161.7 124.6 187.0
51 48.5 37.2 55.8
86 67.5 53.4 80.0





#21

Allyl Chloride

Concen: 9.267 ppbv

RT: 3.999 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

Tgt Ion: 41 Resp: 84785

Ion Ratio Lower Upper

41 100

76 30.9 23.9 35.9

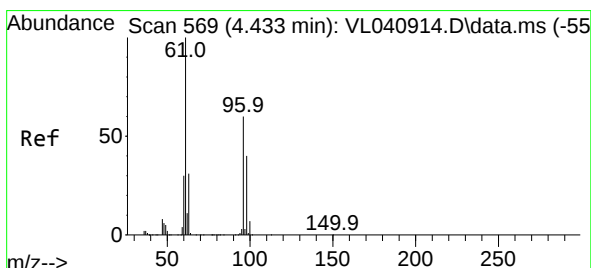
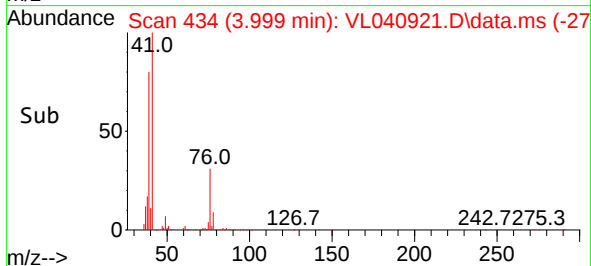
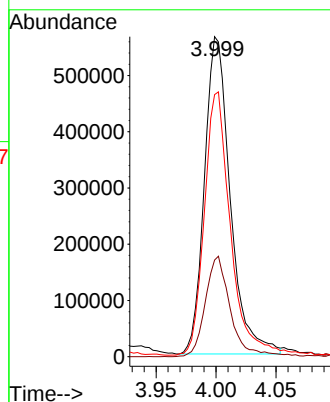
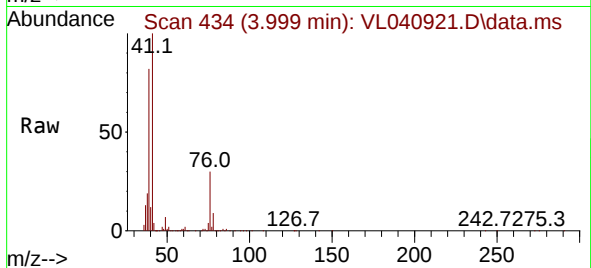
39 85.4 66.5 99.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#22

trans-1,2-Dichloroethene

Concen: 8.724 ppbv

RT: 4.446 min Scan# 573

Delta R.T. 0.013 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

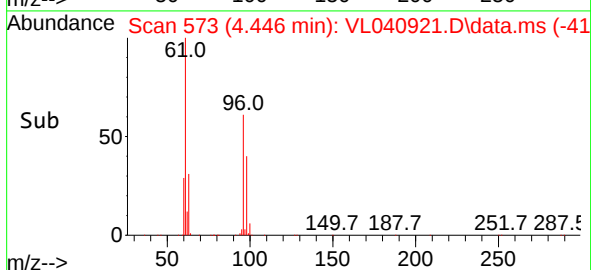
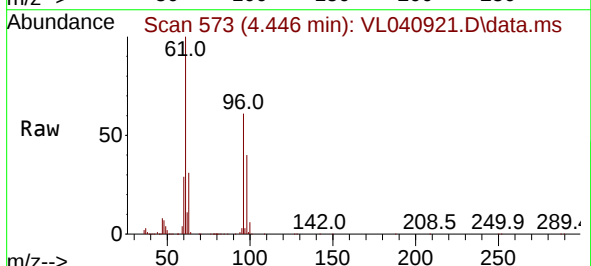
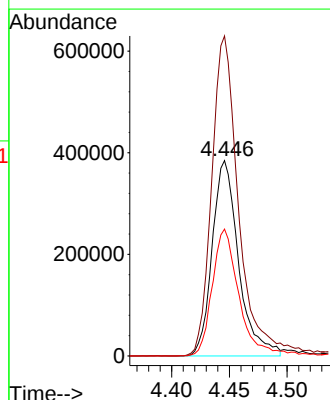
Tgt Ion: 96 Resp: 612947

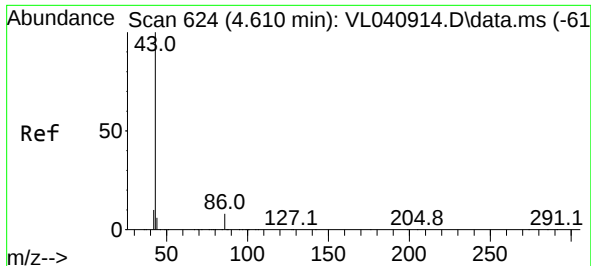
Ion Ratio Lower Upper

96 100

61 163.8 133.0 199.6

98 64.9 53.7 80.5





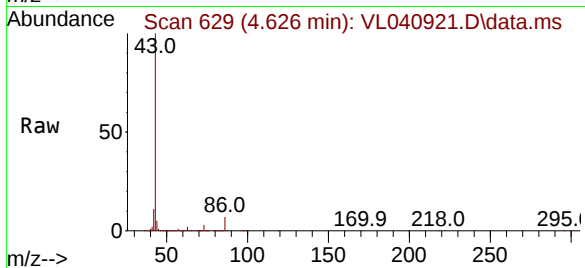
#23
 Vinyl Acetate
 Concen: 10.637 ppbv
 RT: 4.626 min Scan# 610
 Delta R.T. 0.016 min
 Lab File: VL040921.D
 Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

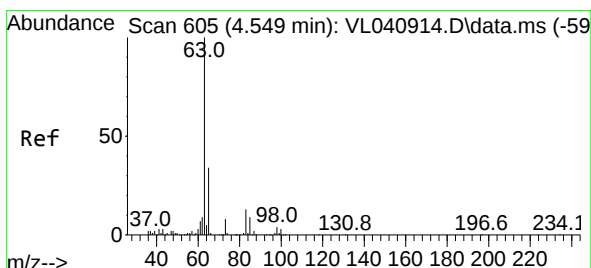
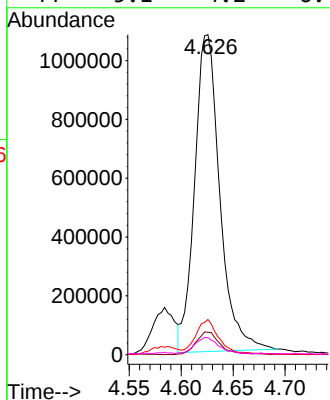
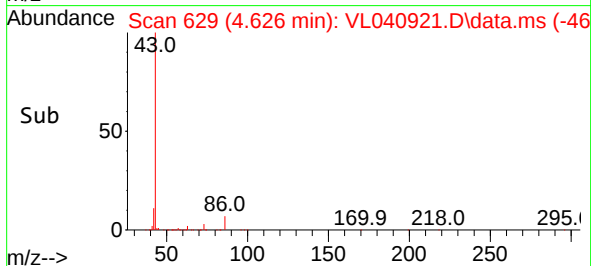


Tgt Ion: 43 Resp: 181635
 Ion Ratio Lower Upper
 43 100
 86 7.0 5.5 8.3
 42 11.0 8.4 12.6
 44 5.1 4.2 6.4

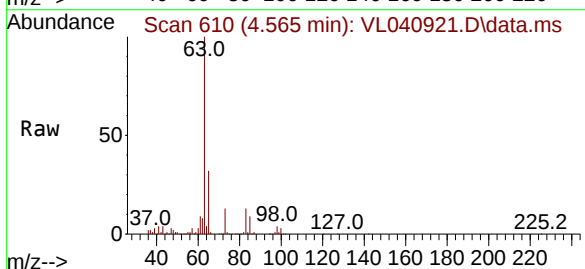
Manual Integrations

APPROVED

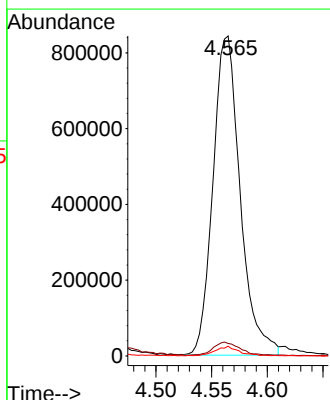
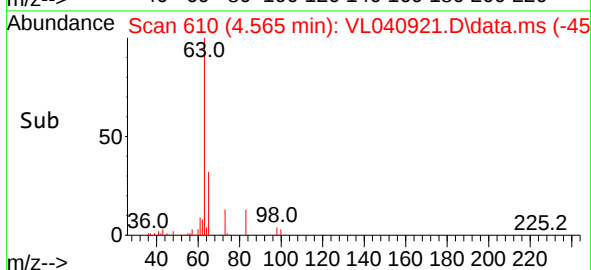
Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023

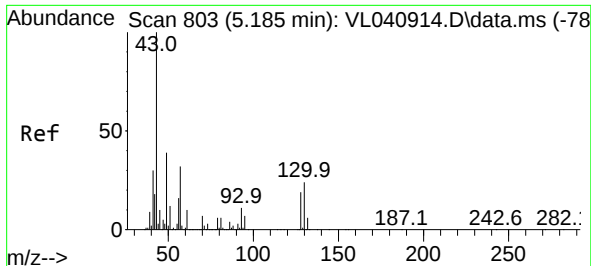


#24
 1,1-Dichloroethane
 Concen: 9.392 ppbv
 RT: 4.565 min Scan# 610
 Delta R.T. 0.016 min
 Lab File: VL040921.D
 Acq: 20 Dec 2023 16:35



Tgt Ion: 63 Resp: 1434532
 Ion Ratio Lower Upper
 63 100
 98 3.6 2.1 6.5
 100 3.0 1.4 4.2





#25

Ethyl Acetate

Concen: 9.661 ppbv

RT: 5.198 min Scan# 80

Delta R.T. 0.013 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

Tgt Ion: 43 Resp: 259112

Ion Ratio Lower Upper

43 100

45 10.0 8.2 12.2

61 9.8 7.6 11.4

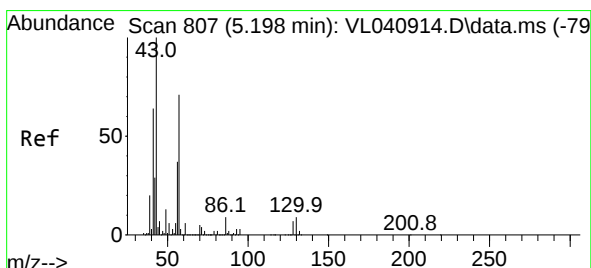
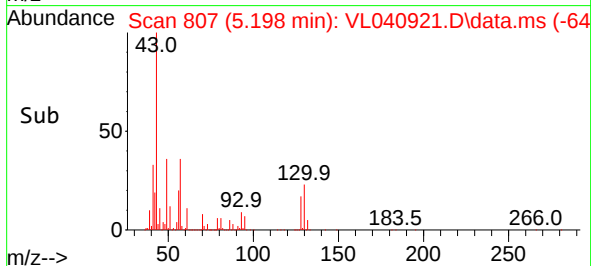
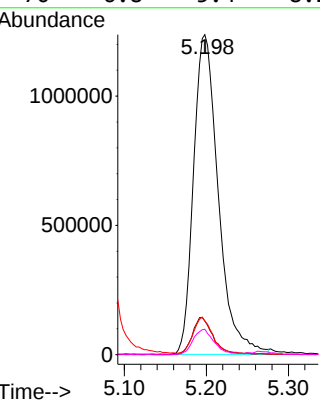
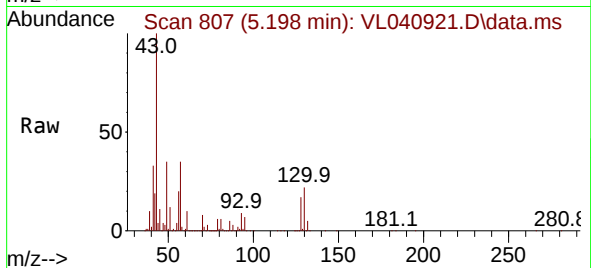
70 6.8 5.4 8.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#26

Hexane

Concen: 9.463 ppbv

RT: 5.208 min Scan# 810

Delta R.T. 0.010 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Tgt Ion: 57 Resp: 1124737

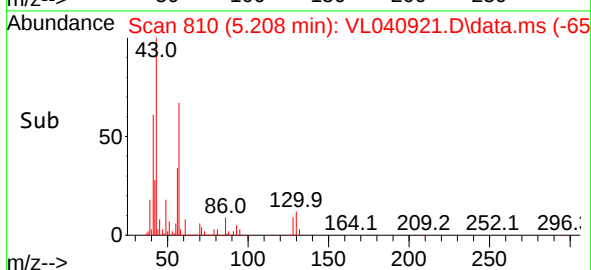
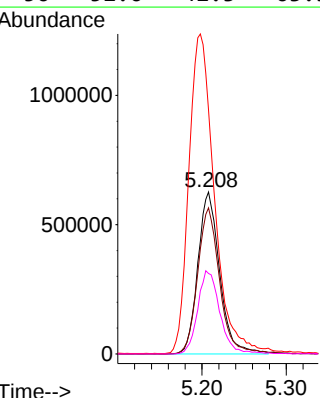
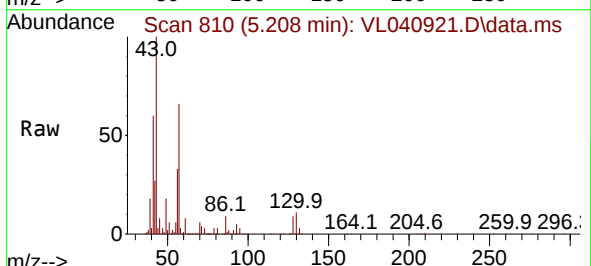
Ion Ratio Lower Upper

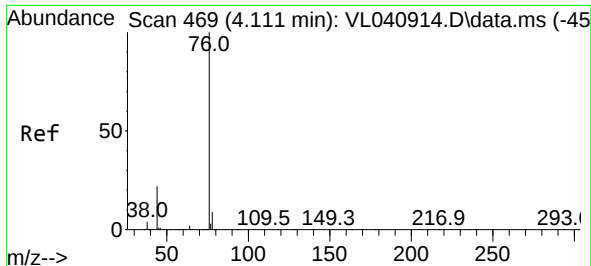
57 100

41 91.9 75.2 112.8

43 233.0 188.0 282.0

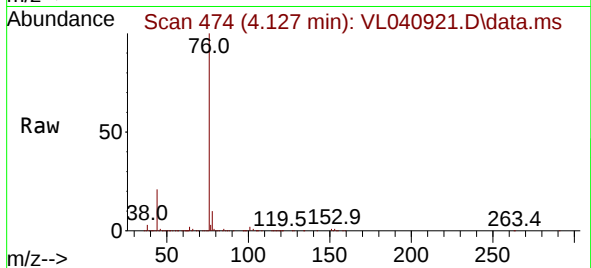
56 52.6 42.3 63.5





#27
Carbon Disulfide
Concen: 9.196 ppbv
RT: 4.127 min Scan# 41
Delta R.T. 0.016 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

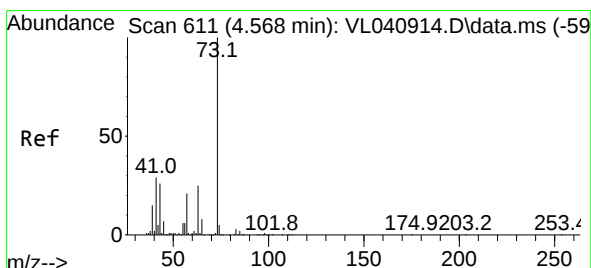
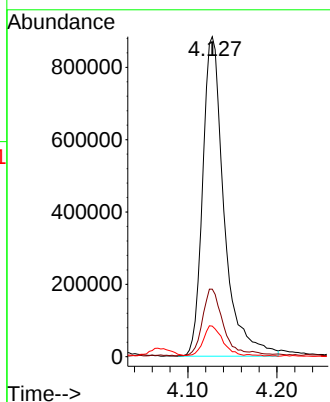
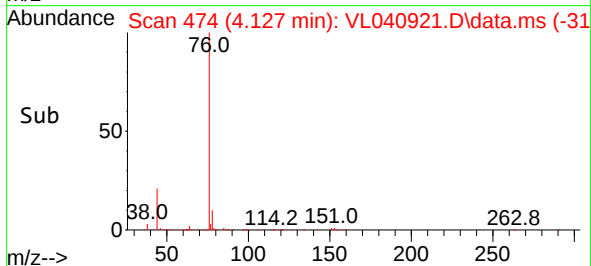
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023



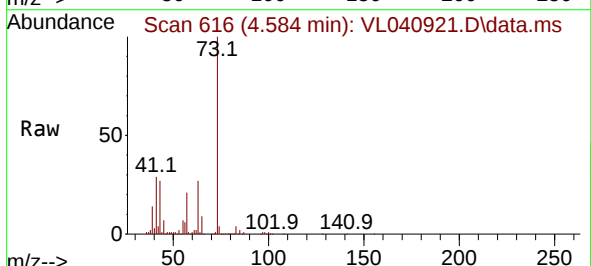
Tgt Ion: 76 Resp: 1479300
Ion Ratio Lower Upper
76 100
44 21.7 18.4 27.6
78 9.3 7.9 11.9

Manual Integrations
APPROVED

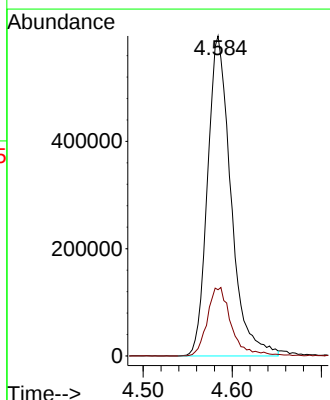
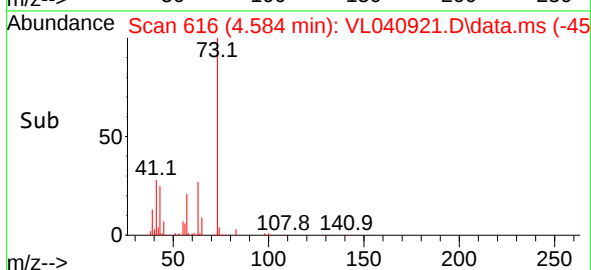
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

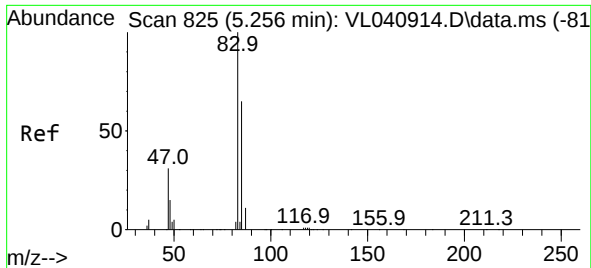


#28
Methyl tert-Butyl Ether
Concen: 9.853 ppbv
RT: 4.584 min Scan# 616
Delta R.T. 0.016 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35



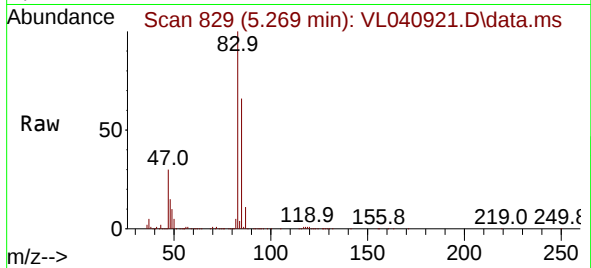
Tgt Ion: 73 Resp: 1086785
Ion Ratio Lower Upper
73 100
57 22.3 18.0 27.0





#29
Chloroform
Concen: 9.358 ppbv
RT: 5.269 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

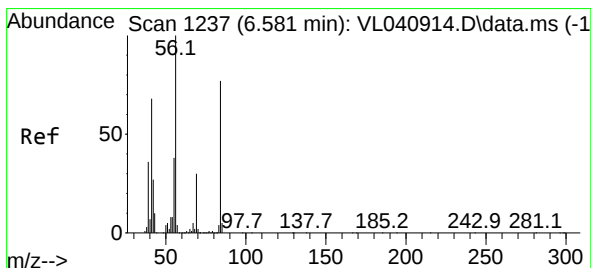
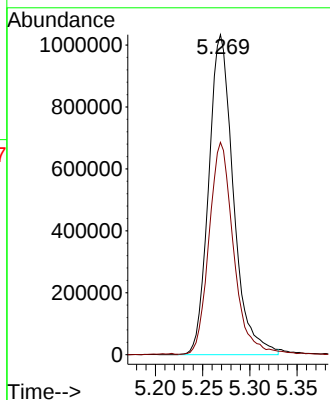
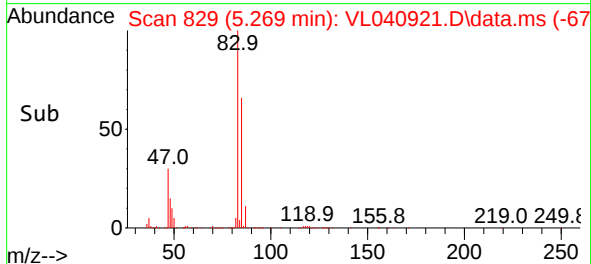
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023



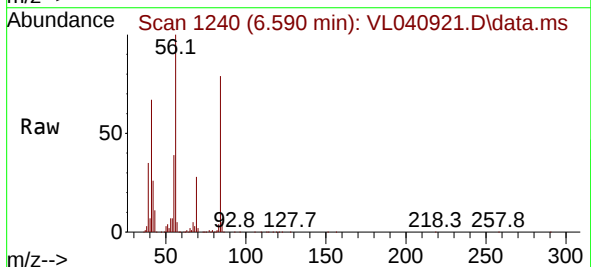
Tgt Ion: 83 Resp: 1877090
Ion Ratio Lower Upper
83 100
85 66.2 52.3 78.5

Manual Integrations
APPROVED

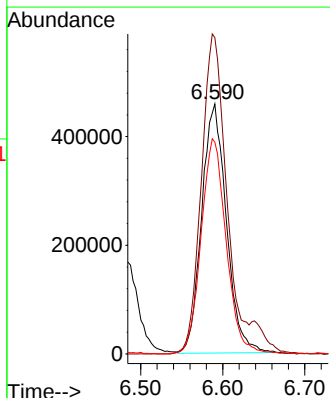
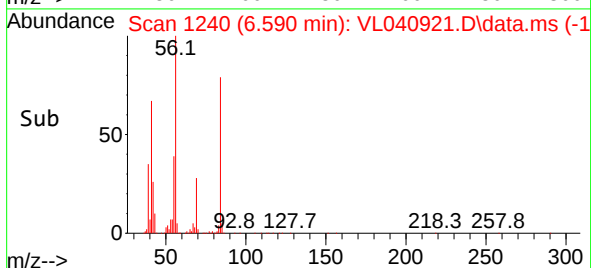
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

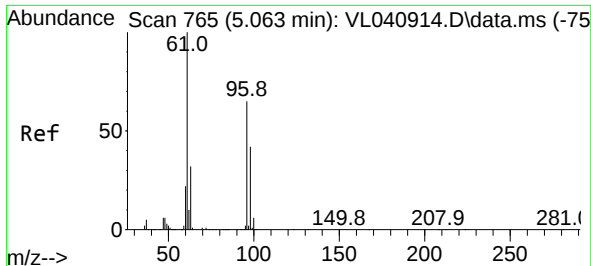


#30
Cyclohexane
Concen: 9.704 ppbv
RT: 6.590 min Scan# 1240
Delta R.T. 0.010 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35



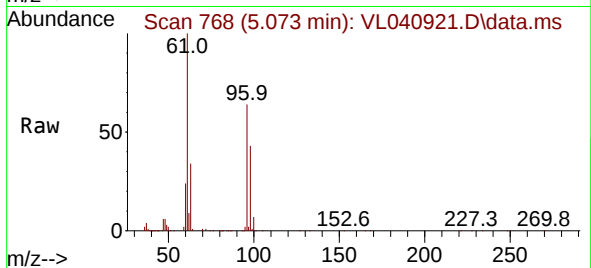
Tgt Ion: 84 Resp: 961641
Ion Ratio Lower Upper
84 100
56 137.6 111.4 167.2
41 87.8 70.0 105.0





#31
cis-1,2-Dichloroethene
Concen: 9.701 ppbv
RT: 5.073 min Scan# 765
Delta R.T. 0.010 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

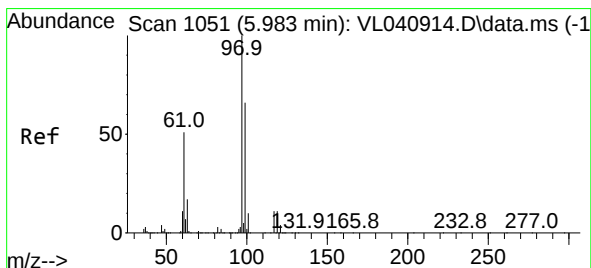
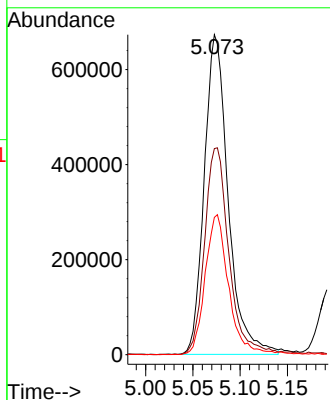
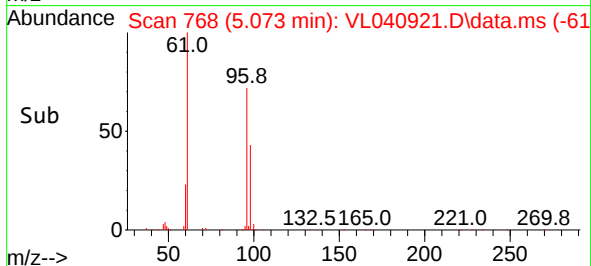
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023



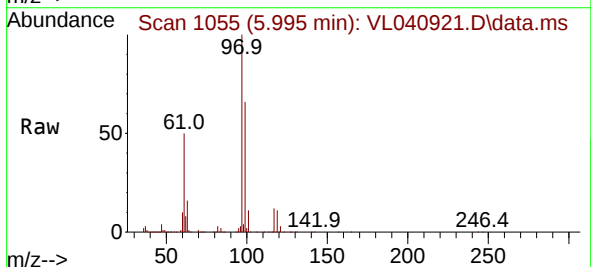
Tgt Ion: 61 Resp: 1184504
Ion Ratio Lower Upper
61 100
96 64.5 51.7 77.5
98 42.9 33.2 49.8

Manual Integrations
APPROVED

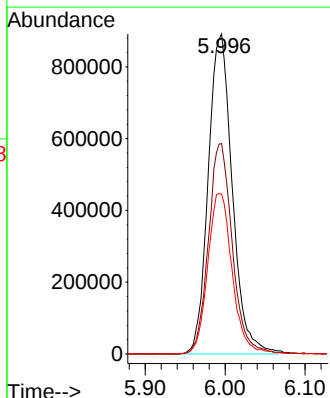
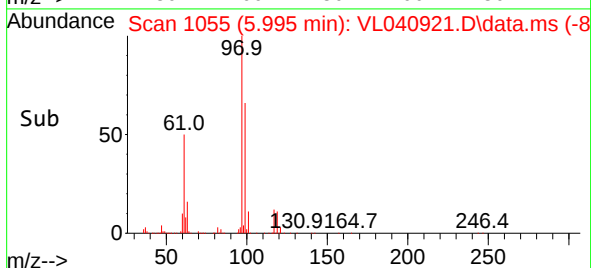
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

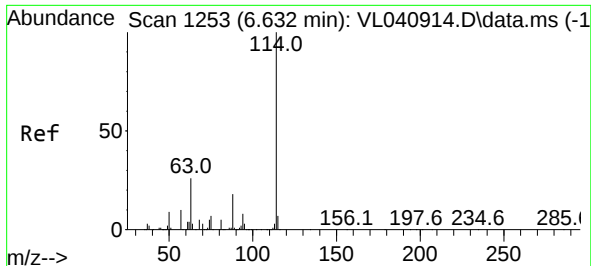


#32
1,1,1-Trichloroethane
Concen: 9.618 ppbv
RT: 5.995 min Scan# 1055
Delta R.T. 0.013 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35



Tgt Ion: 97 Resp: 1865125
Ion Ratio Lower Upper
97 100
99 65.4 51.8 77.6
61 51.1 41.0 61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 114

Delta R.T. 0.010 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

Tgt Ion:114 Resp: 323581

Ion Ratio Lower Upper

114 100

63 25.5 21.0 31.6

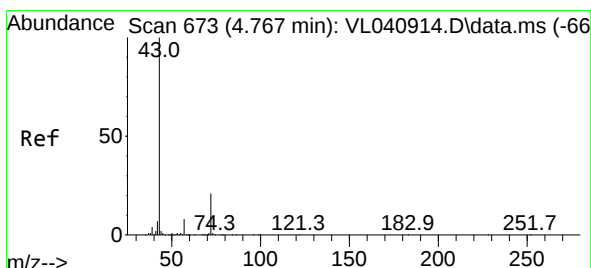
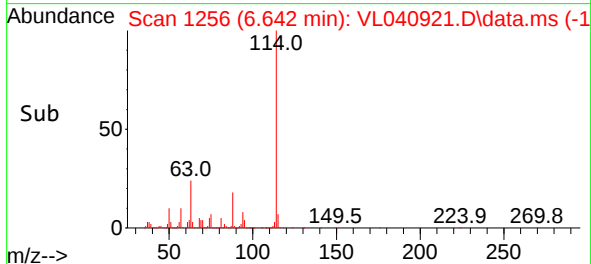
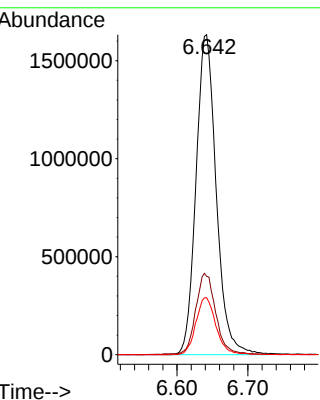
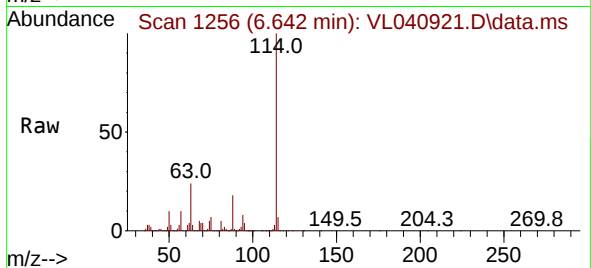
88 17.8 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#34

2-Butanone

Concen: 9.679 ppbv

RT: 4.780 min Scan# 677

Delta R.T. 0.013 min

Lab File: VL040921.D

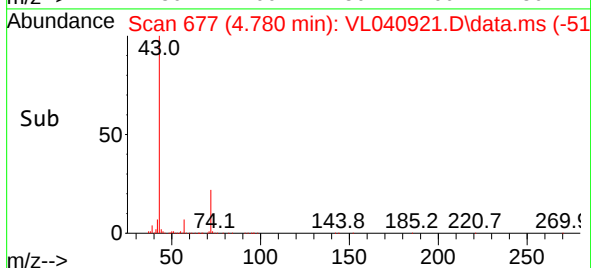
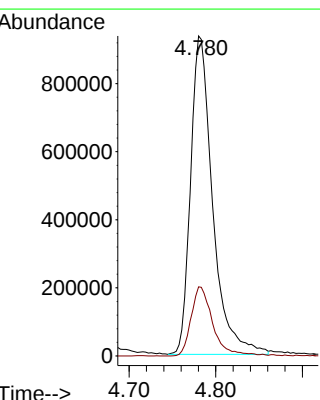
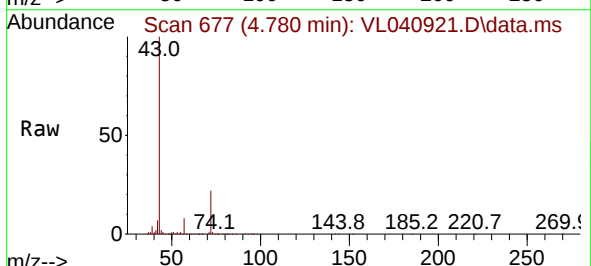
Acq: 20 Dec 2023 16:35

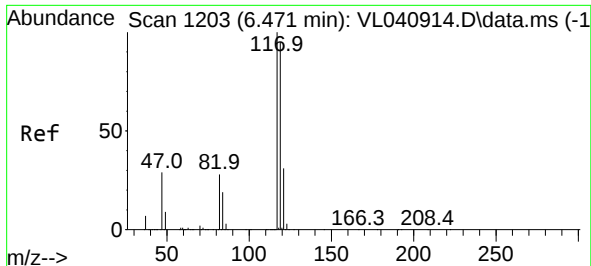
Tgt Ion: 43 Resp: 1656744

Ion Ratio Lower Upper

43 100

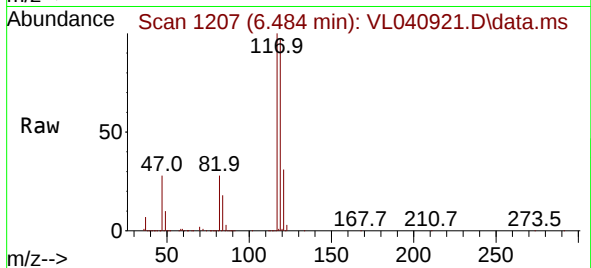
72 21.7 17.2 25.8





#35
Carbon Tetrachloride
Concen: 9.799 ppbv
RT: 6.484 min Scan# 1117
Delta R.T. 0.013 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

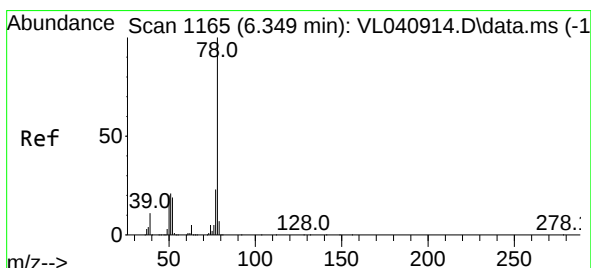
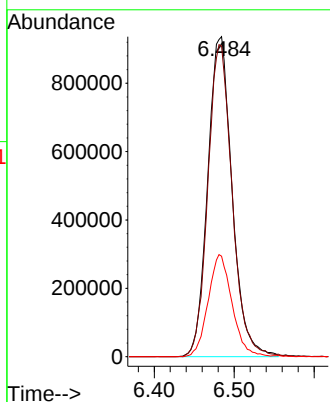
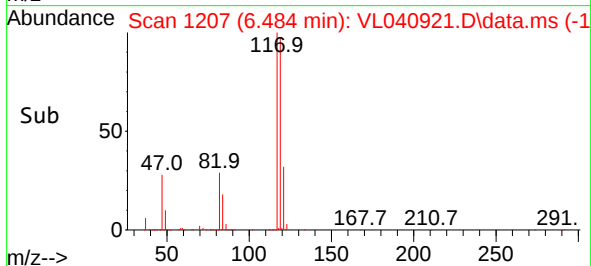
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023



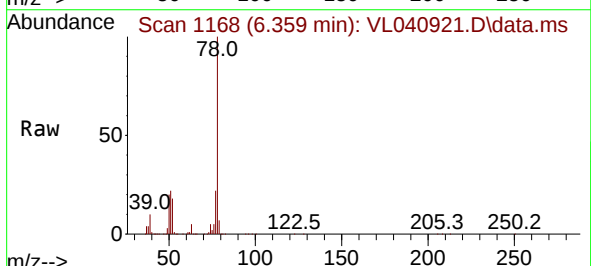
Tgt Ion:117 Resp: 198569
Ion Ratio Lower Upper
117 100
119 97.0 76.3 114.5
121 31.4 24.9 37.3

Manual Integrations
APPROVED

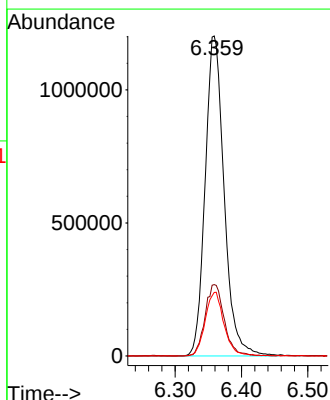
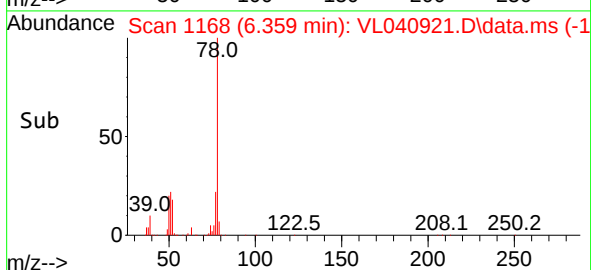
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

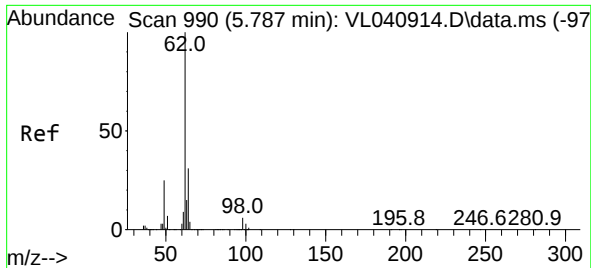


#36
Benzene
Concen: 9.450 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. 0.010 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35



Tgt Ion: 78 Resp: 2390426
Ion Ratio Lower Upper
78 100
77 22.3 18.4 27.6
50 19.8 16.0 24.0





#37

1,2-Dichloroethane

Concen: 9.561 ppbv

RT: 5.799 min Scan# 990

Delta R.T. 0.013 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

Tgt Ion: 62 Resp: 1449058

Ion Ratio Lower Upper

62 100

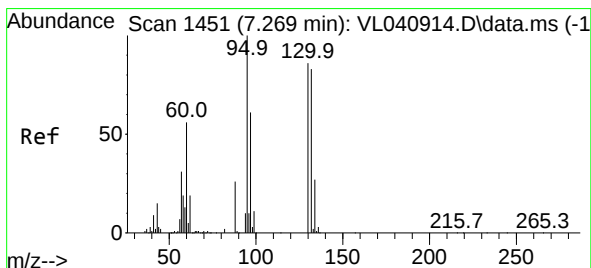
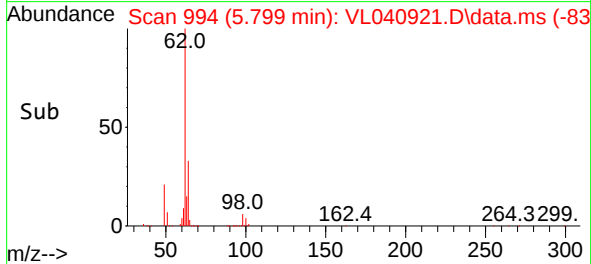
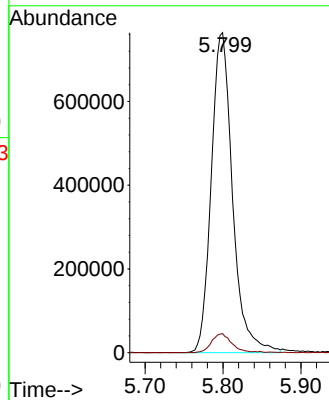
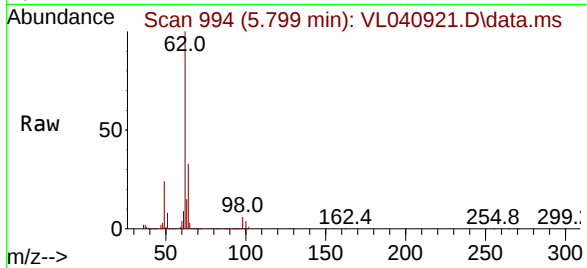
98 5.9 4.6 7.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#38

Trichloroethene

Concen: 9.894 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. 0.006 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Tgt Ion:130 Resp: 939980

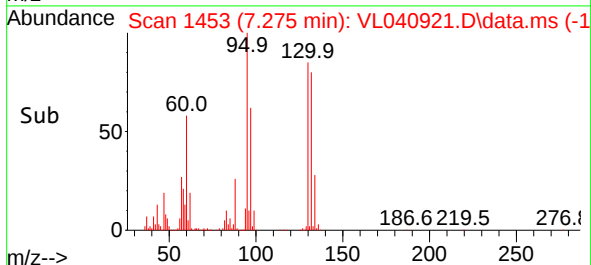
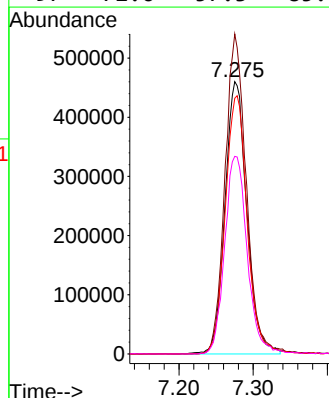
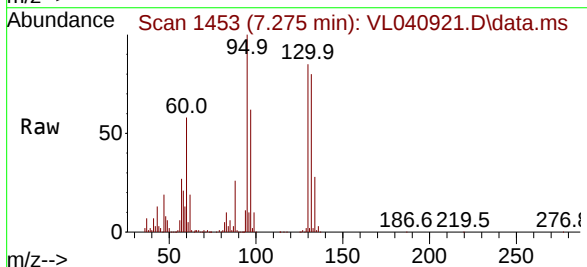
Ion Ratio Lower Upper

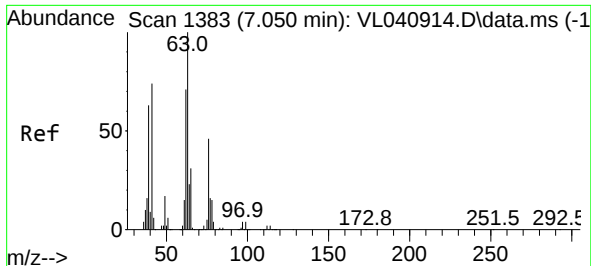
130 100

95 117.5 93.5 140.3

132 93.9 77.4 116.2

97 72.6 57.3 85.9





#39

1,2-Dichloropropane

Concen: 9.425 ppbv

RT: 7.060 min Scan# 1451

Delta R.T. 0.010 min

Lab File: VL040921.D

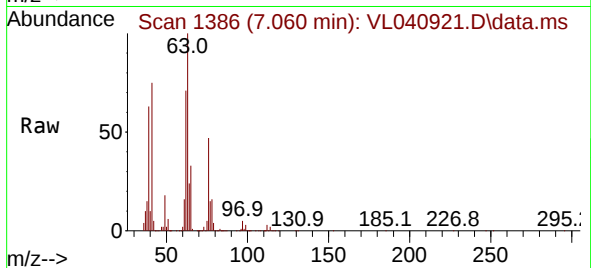
Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023



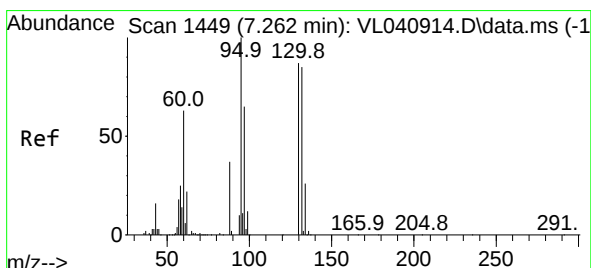
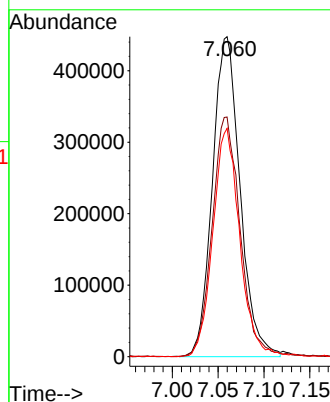
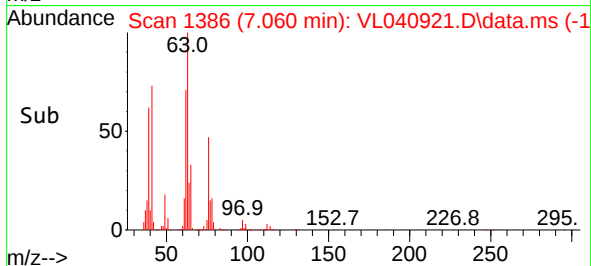
Tgt Ion:	63	Resp:	936850
Ion Ratio	100	Lower	Upper
63	100		
41	74.8	59.0	88.6
62	71.2	56.6	85.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#40

1,4-Dioxane

Concen: 8.862 ppbv

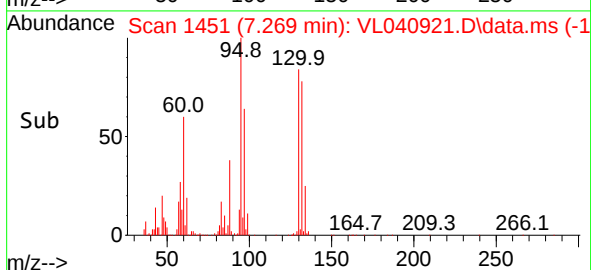
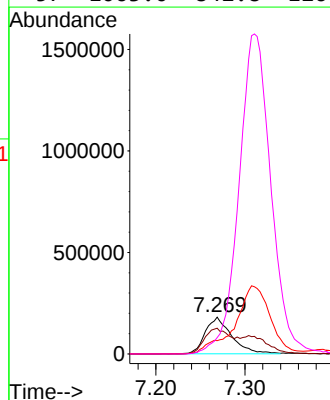
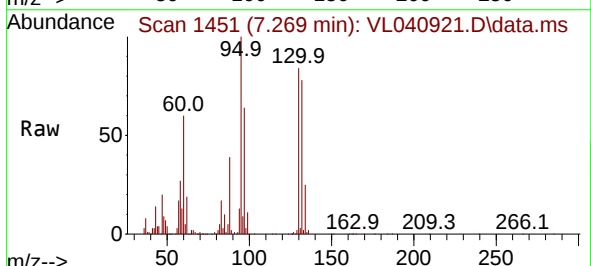
RT: 7.269 min Scan# 1451

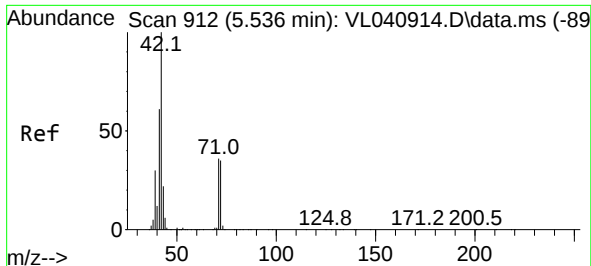
Delta R.T. 0.006 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Tgt Ion:	88	Resp:	371935
Ion Ratio	100	Lower	Upper
88	100		
58	122.0	97.3	145.9
43	249.3	200.6	300.8
57	1063.0	842.8	1264.2





#41

Tetrahydrofuran

Concen: 9.735 ppbv

RT: 5.549 min Scan# 912

Delta R.T. 0.013 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

Tgt Ion: 42 Resp: 1013824

Ion Ratio Lower Upper

42 100

72 38.1 29.6 44.4

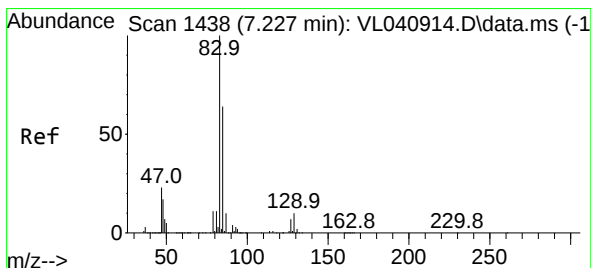
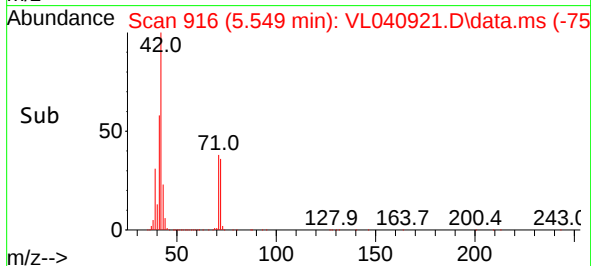
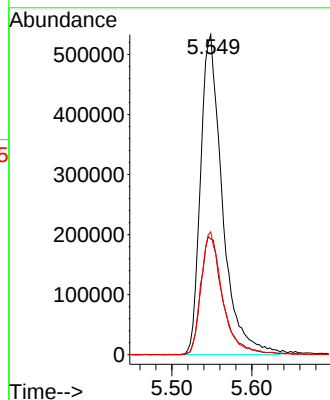
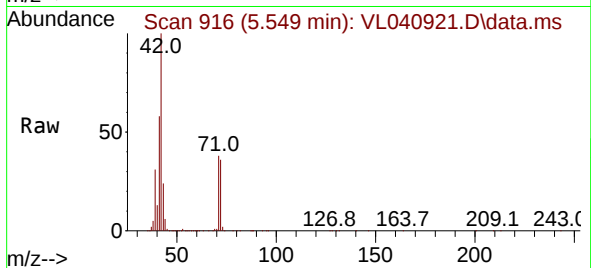
71 38.0 29.1 43.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#42

Bromodichloromethane

Concen: 9.635 ppbv

RT: 7.233 min Scan# 1440

Delta R.T. 0.006 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

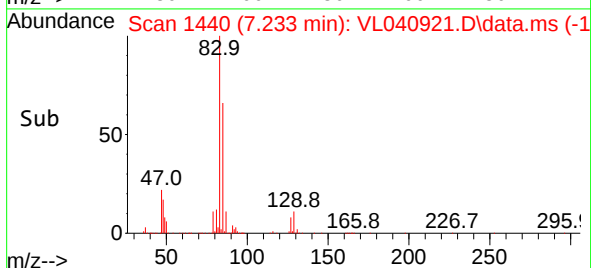
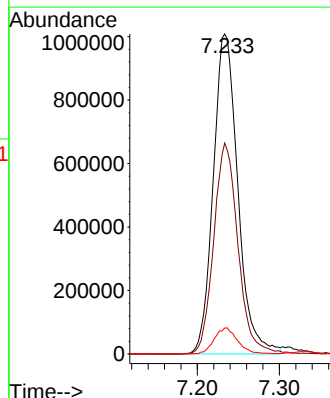
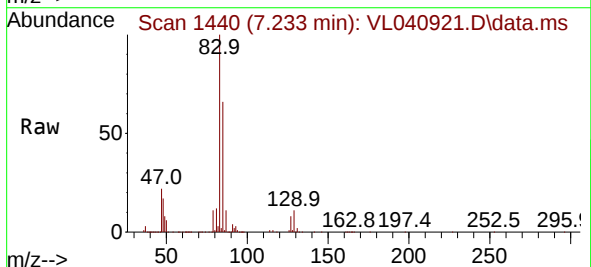
Tgt Ion: 83 Resp: 2106107

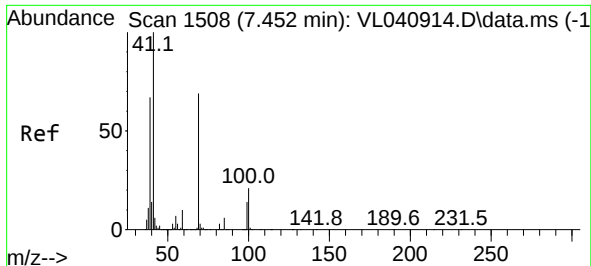
Ion Ratio Lower Upper

83 100

85 65.9 51.4 77.0

127 8.1 5.9 8.9





#43
Methyl Methacrylate
Concen: 10.068 ppbv
RT: 7.455 min Scan# 1509
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

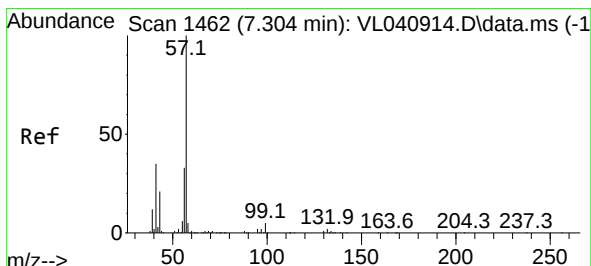
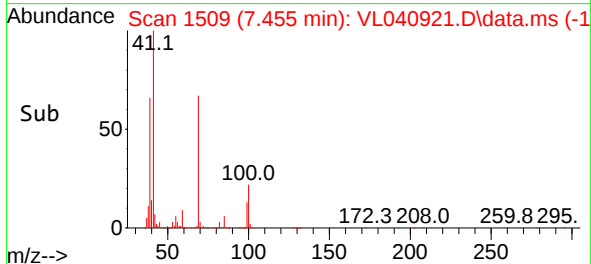
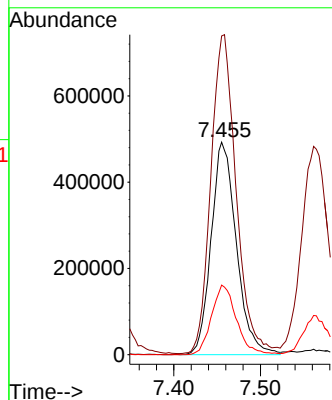
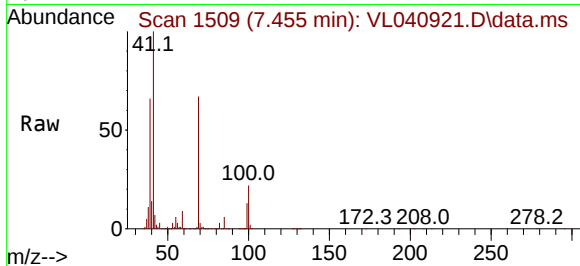
ICVVL122023

Tgt Ion: 69 Resp: 998922
Ion Ratio Lower Upper
69 100
41 150.9 119.9 179.9
100 32.3 25.1 37.7

Manual Integrations

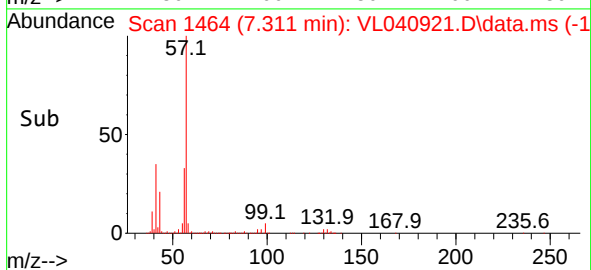
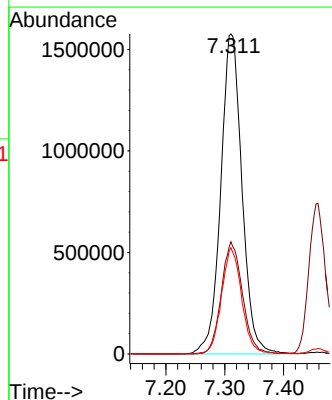
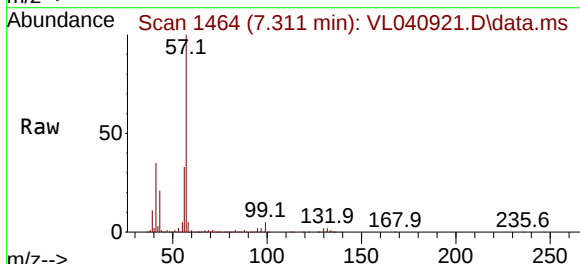
APPROVED

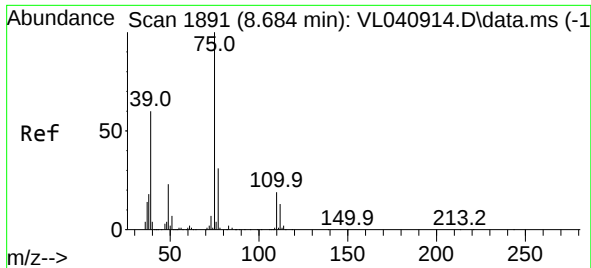
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#44
2,2,4-Trimethylpentane
Concen: 9.183 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

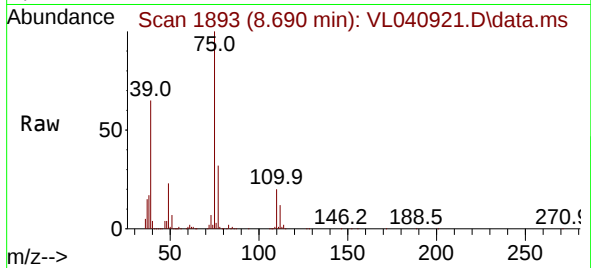
Tgt Ion: 57 Resp: 3945848
Ion Ratio Lower Upper
57 100
41 35.0 28.2 42.4
56 31.5 25.3 37.9





#45
t-1,3-Dichloropropene
Concen: 11.265 ppbv
RT: 8.690 min Scan# 1893
Delta R.T. 0.006 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

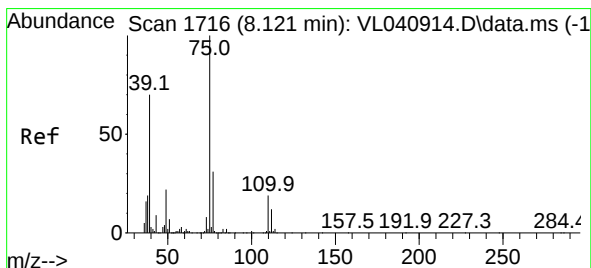
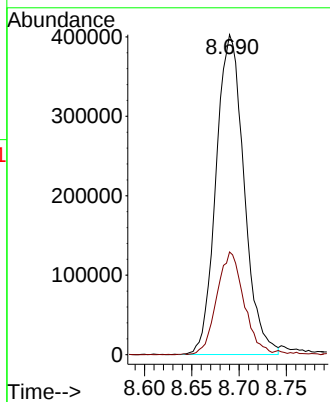
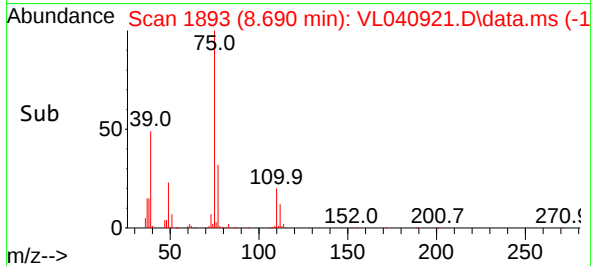
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023



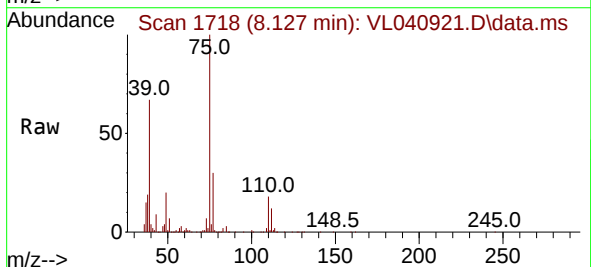
Tgt Ion: 75 Resp: 829218
Ion Ratio Lower Upper
75 100
77 32.1 24.8 37.2

Manual Integrations
APPROVED

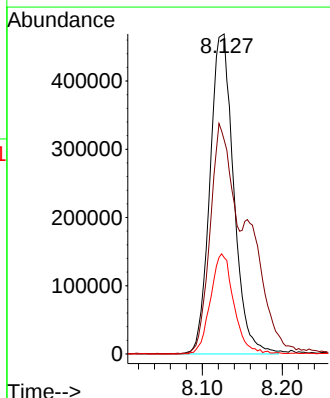
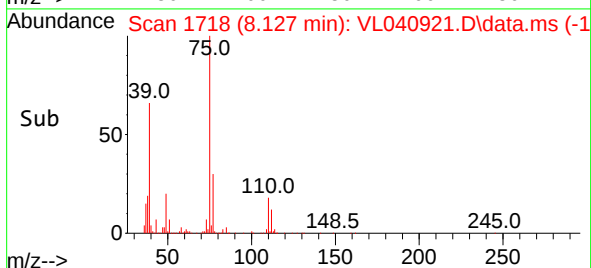
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

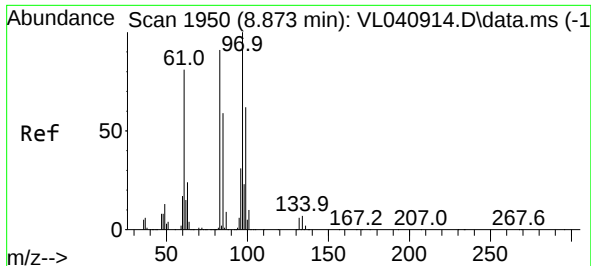


#46
cis-1,3-Dichloropropene
Concen: 10.606 ppbv
RT: 8.127 min Scan# 1718
Delta R.T. 0.006 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35



Tgt Ion: 75 Resp: 966569
Ion Ratio Lower Upper
75 100
39 66.7 56.2 84.4
77 30.2 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 9.528 ppbv

RT: 8.880 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

Tgt Ion: 97 Resp: 1004669

Ion Ratio Lower Upper

97 100

83 90.0 72.6 108.8

85 59.5 47.4 71.0

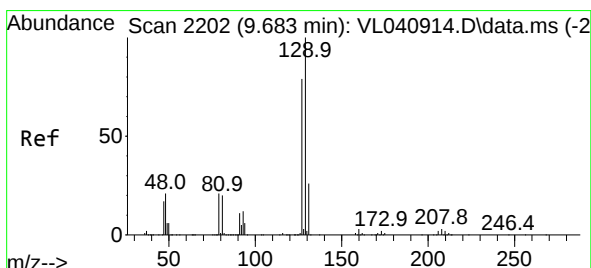
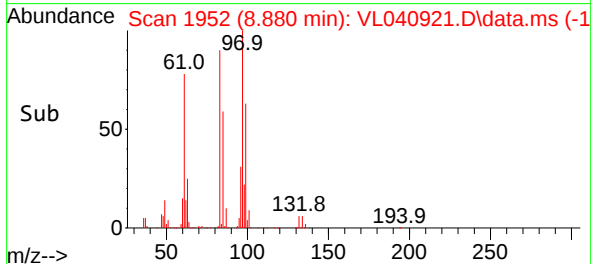
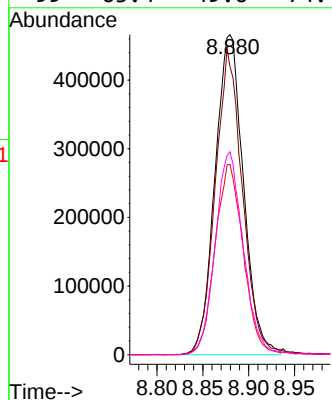
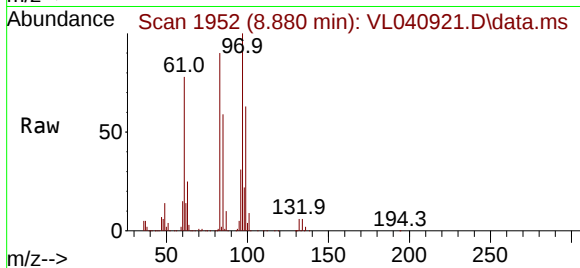
99 63.4 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#48

Dibromochloromethane

Concen: 10.043 ppbv

RT: 9.690 min Scan# 2204

Delta R.T. 0.006 min

Lab File: VL040921.D

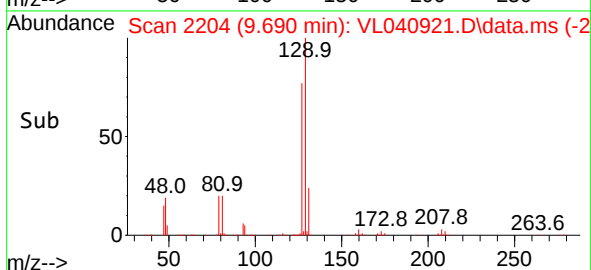
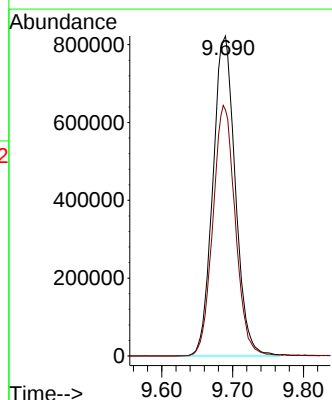
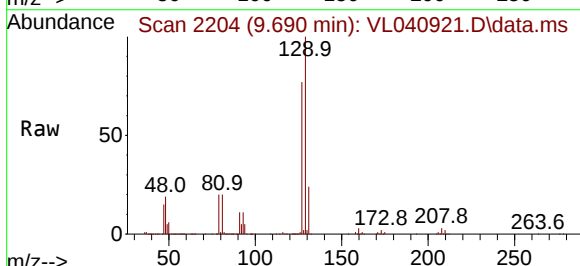
Acq: 20 Dec 2023 16:35

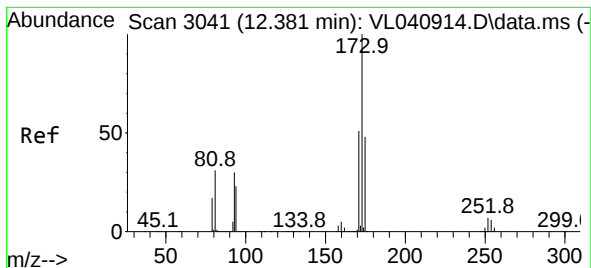
Tgt Ion:129 Resp: 1807591

Ion Ratio Lower Upper

129 100

127 78.3 39.6 119.0





#49

Bromoform

Concen: 10.353 ppbv

RT: 12.381 min Scan# 3041

Delta R.T. -0.000 min

Lab File: VL040921.D

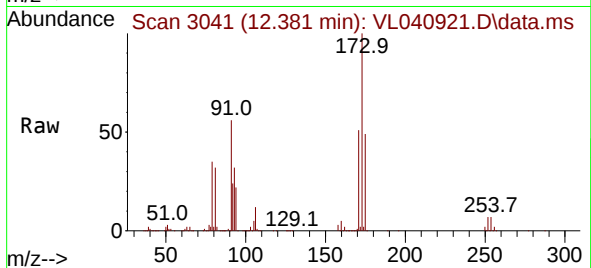
Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023



Tgt Ion: 173 Resp: 143780

Ion Ratio Lower Upper

173 100

175 49.0 39.3 58.9

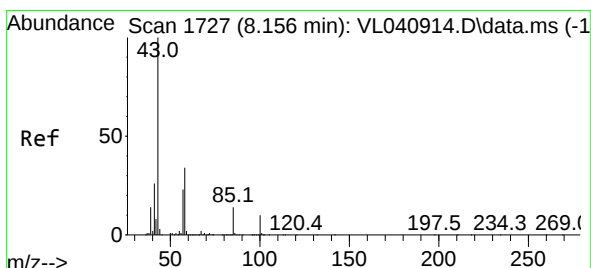
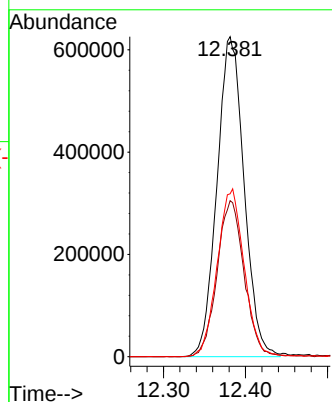
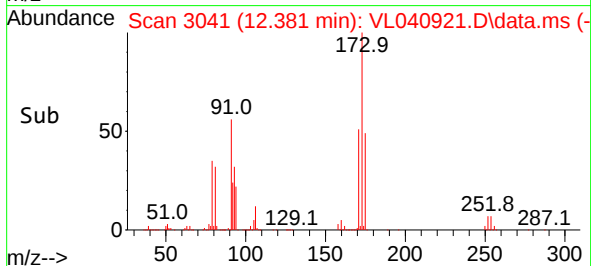
171 52.1 41.8 62.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#50

4-Methyl-2-Pentanone

Concen: 9.663 ppbv

RT: 8.159 min Scan# 1728

Delta R.T. 0.003 min

Lab File: VL040921.D

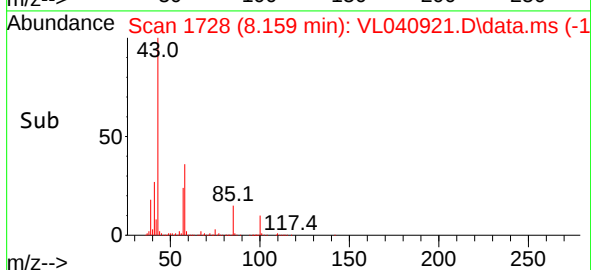
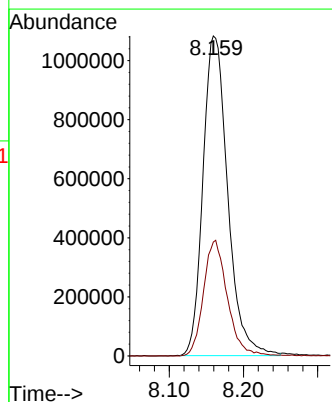
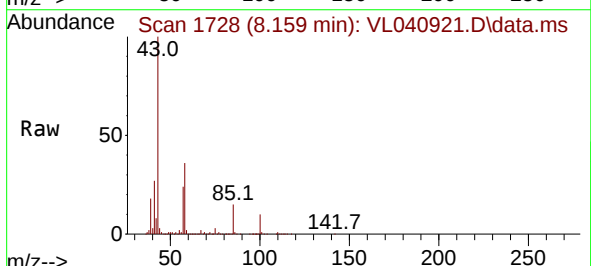
Acq: 20 Dec 2023 16:35

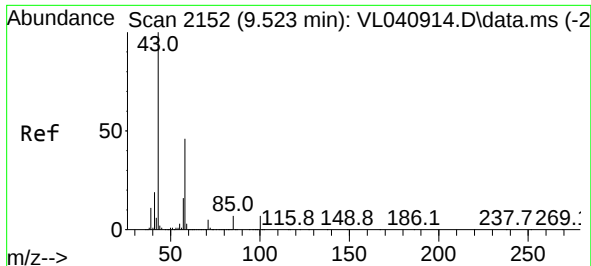
Tgt Ion: 43 Resp: 2505116

Ion Ratio Lower Upper

43 100

58 35.0 27.4 41.0





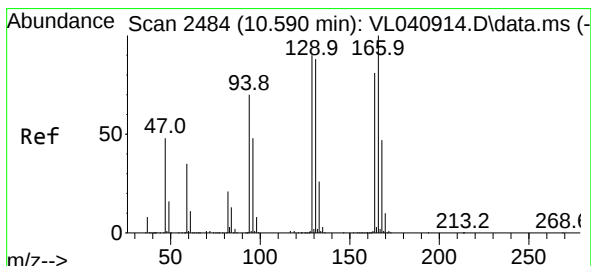
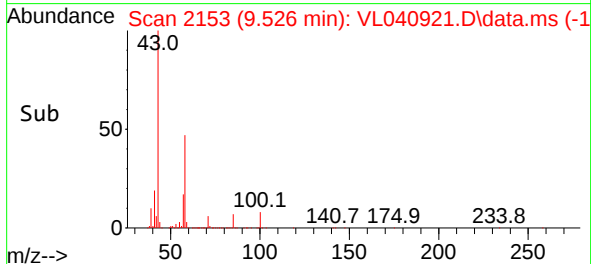
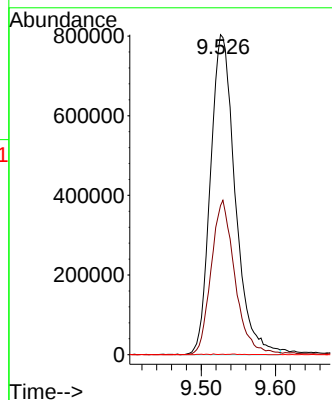
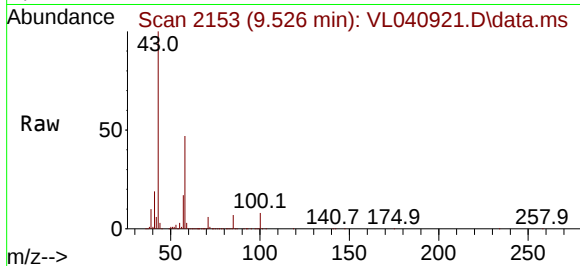
#51
2-Hexanone
Concen: 9.960 ppbv
RT: 9.526 min Scan# 2152
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023

Tgt Ion: 43 Resp: 1858472
Ion Ratio Lower Upper
43 100
58 47.0 37.3 55.9
98 0.1 0.2 0.2

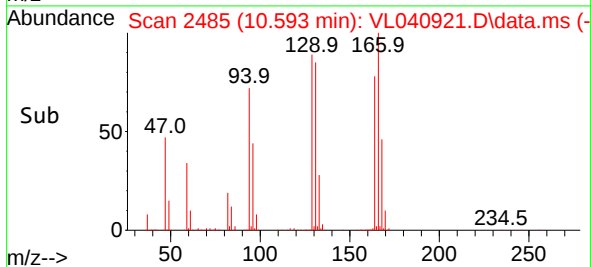
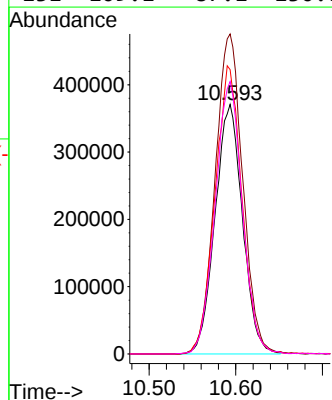
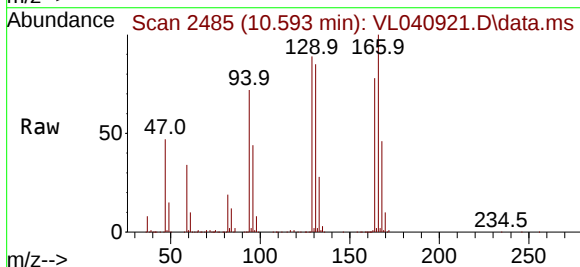
Manual Integrations
APPROVED

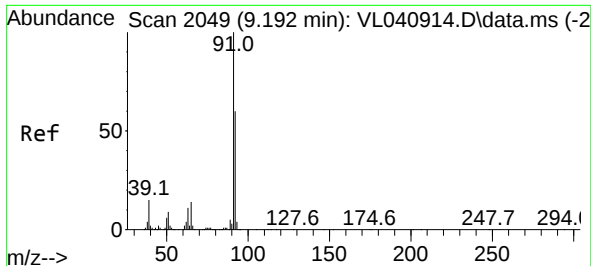
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#52
Tetrachloroethene
Concen: 9.570 ppbv
RT: 10.593 min Scan# 2485
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion:164 Resp: 815446
Ion Ratio Lower Upper
164 100
166 128.2 98.9 148.3
129 113.9 88.7 133.1
131 109.1 87.1 130.7





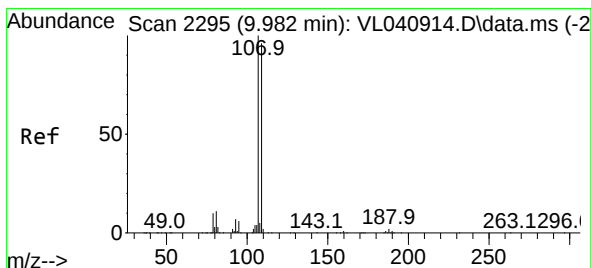
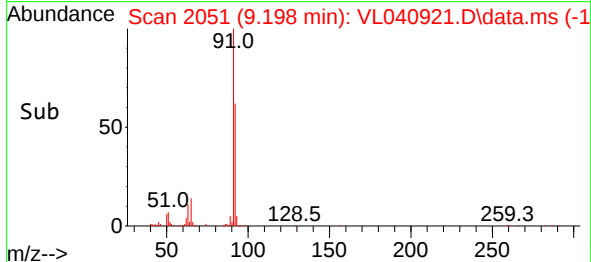
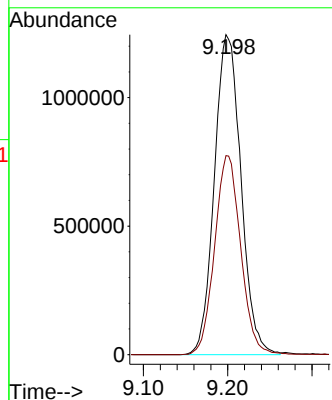
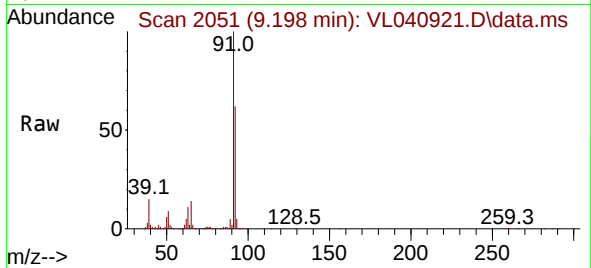
#53
Toluene
Concen: 9.724 ppbv
RT: 9.198 min Scan# 2049
Delta R.T. 0.006 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023

Tgt Ion: 91 Resp: 272748
Ion Ratio Lower Upper
91 100
92 61.2 49.2 73.8

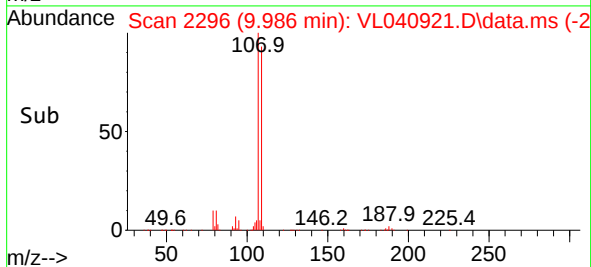
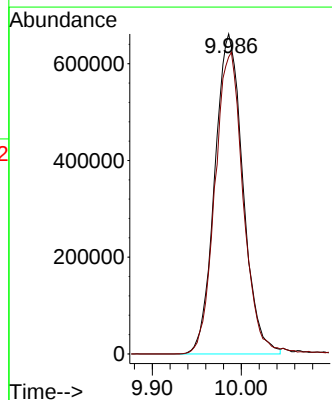
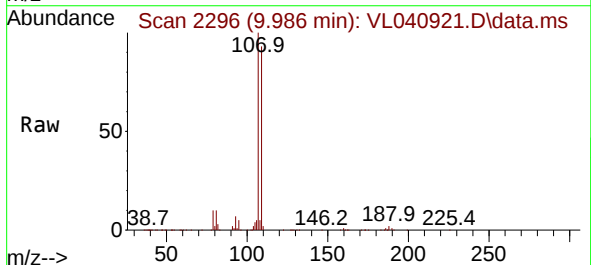
Manual Integrations
APPROVED

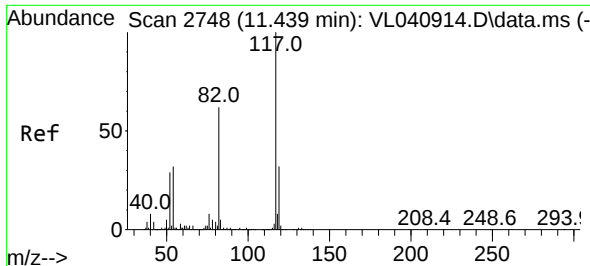
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#54
1,2-Dibromoethane
Concen: 10.060 ppbv
RT: 9.986 min Scan# 2296
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

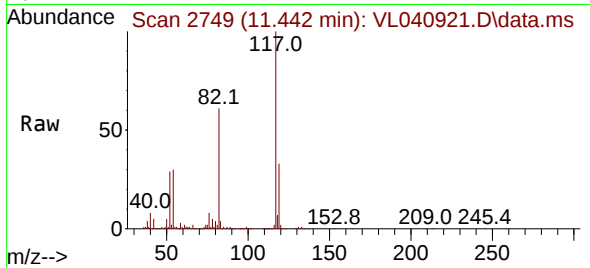
Tgt Ion:107 Resp: 1455677
Ion Ratio Lower Upper
107 100
109 92.7 77.0 115.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 11.442 min Scan# 2748
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

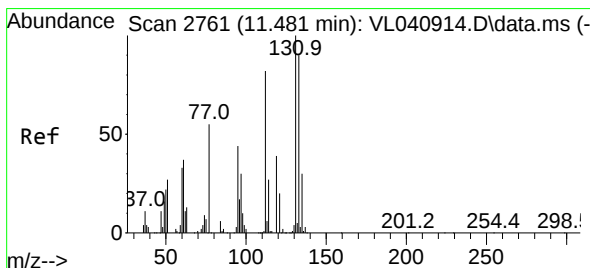
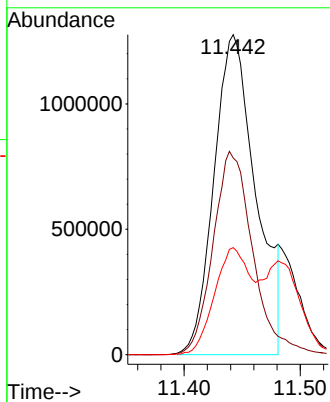
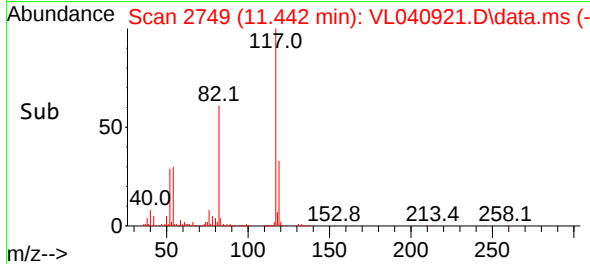
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023



Tgt Ion:117 Resp: 319842
Ion Ratio Lower Upper
117 100
82 60.5 49.6 74.4
119 30.5 23.4 35.0

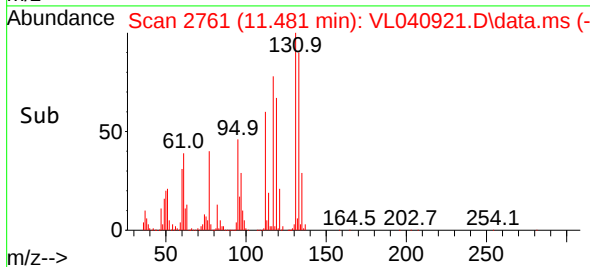
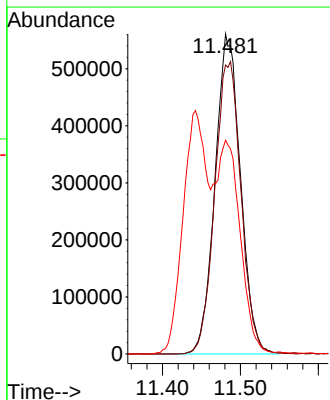
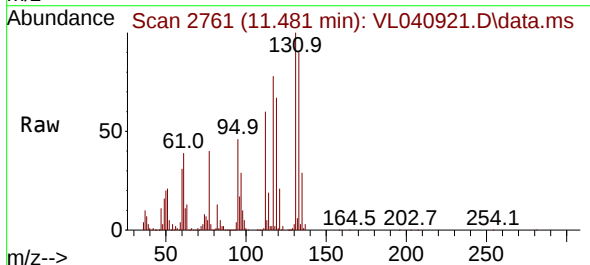
Manual Integrations
APPROVED

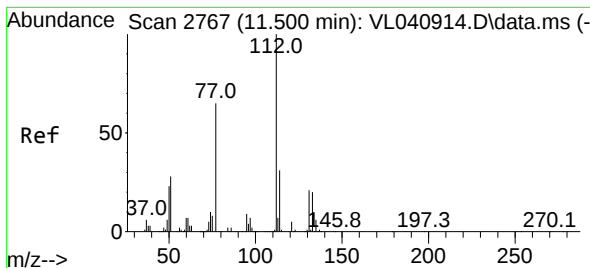
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 9.097 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. -0.000 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

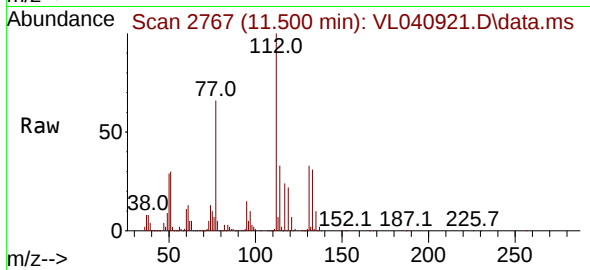
Tgt Ion:131 Resp: 1272411
Ion Ratio Lower Upper
131 100
133 94.6 76.3 114.5
119 62.2 48.6 73.0





#57
Chlorobenzene
Concen: 8.904 ppbv
RT: 11.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

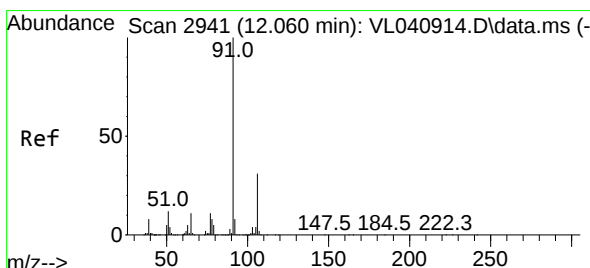
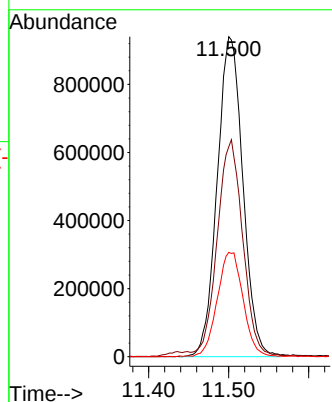
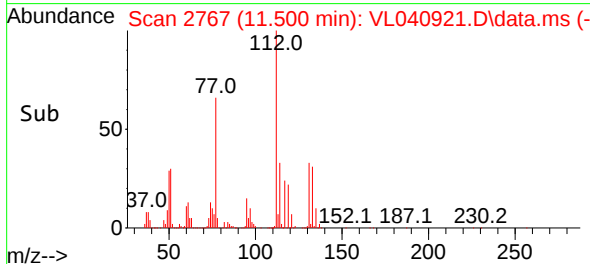
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023



Tgt Ion:112 Resp: 2097218
Ion Ratio Lower Upper
112 100
77 65.3 52.7 79.1
114 32.4 28.4 34.7

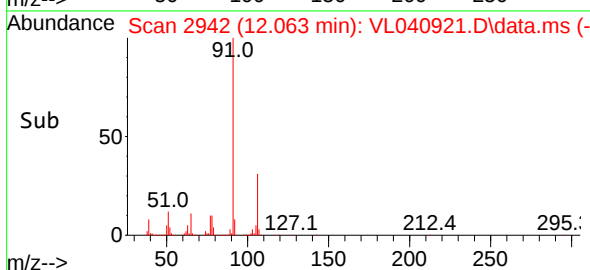
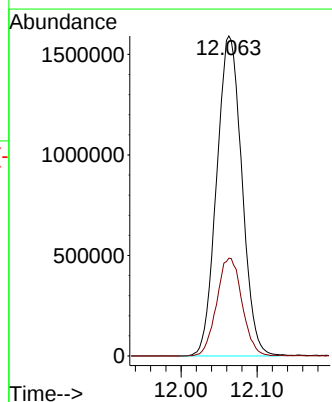
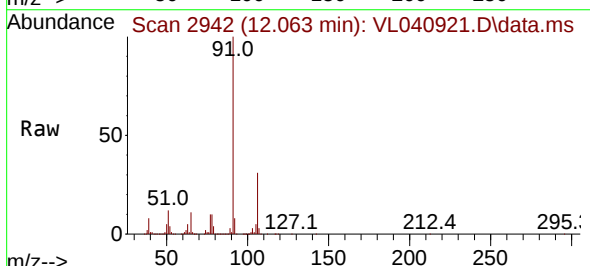
Manual Integrations
APPROVED

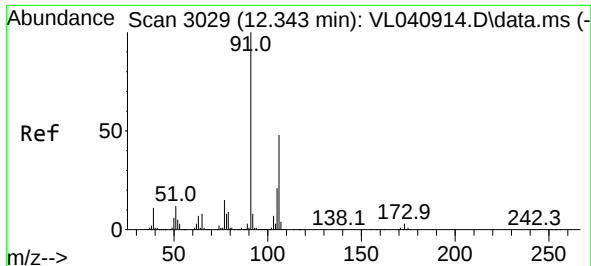
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#58
Ethyl Benzene
Concen: 8.929 ppbv
RT: 12.063 min Scan# 2942
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion: 91 Resp: 3668267
Ion Ratio Lower Upper
91 100
106 30.5 24.9 37.3





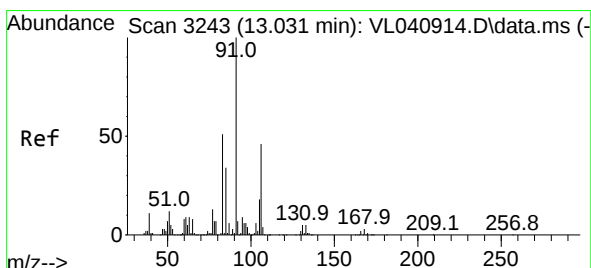
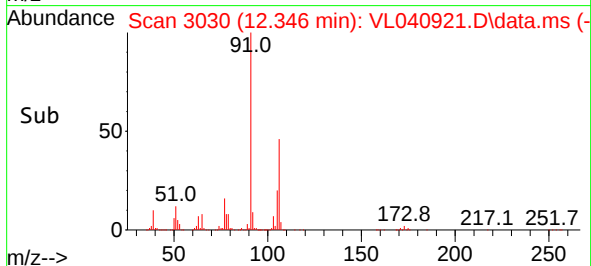
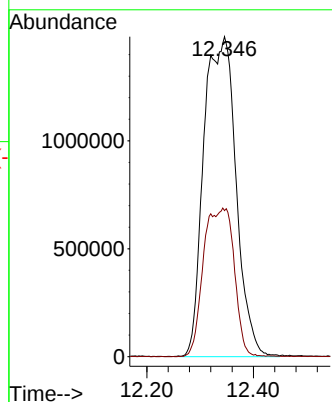
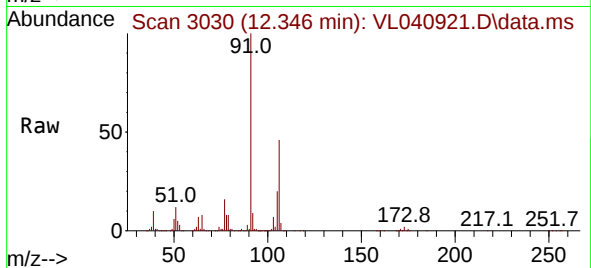
#59
m/p-Xylene
Concen: 17.779 ppbv m
RT: 12.346 min Scan# 3029
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023

Tgt Ion: 91 Resp: 621277
Ion Ratio Lower Upper
91 100
106 44.4 0.0 0.0

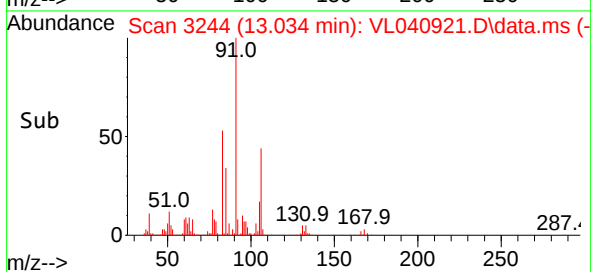
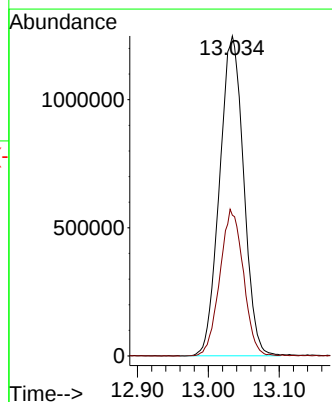
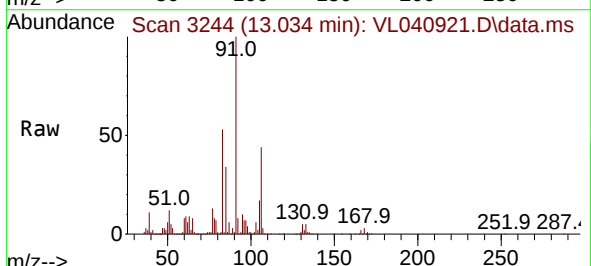
Manual Integrations
APPROVED

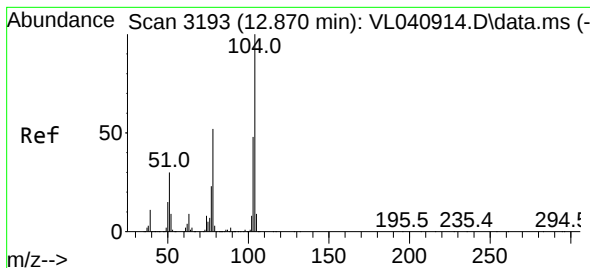
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#60
o-Xylene
Concen: 8.954 ppbv
RT: 13.034 min Scan# 3244
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion: 91 Resp: 2948232
Ion Ratio Lower Upper
91 100
106 44.9 22.6 67.7





#61

Styrene

Concen: 9.991 ppbv

RT: 12.870 min Scan# 3193

Delta R.T. -0.000 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

Tgt Ion:104 Resp: 1563779

Ion Ratio Lower Upper

104 100

78 52.9 43.0 64.4

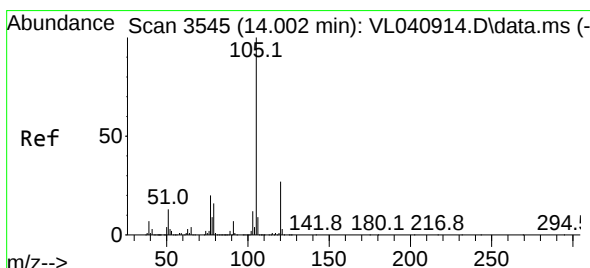
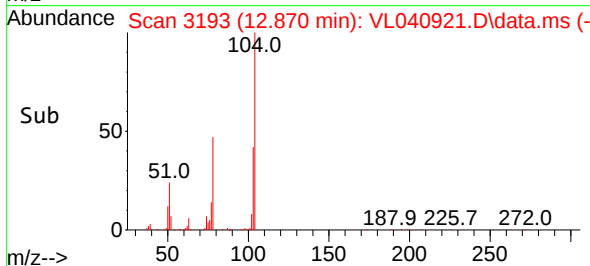
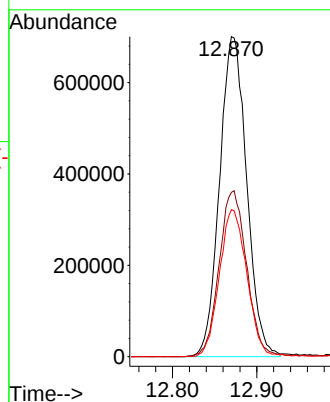
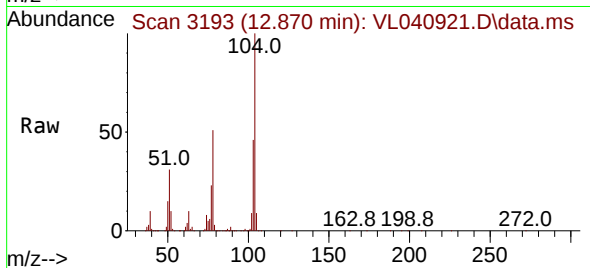
103 46.8 37.6 56.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#62

Isopropylbenzene

Concen: 8.820 ppbv

RT: 14.005 min Scan# 3546

Delta R.T. 0.003 min

Lab File: VL040921.D

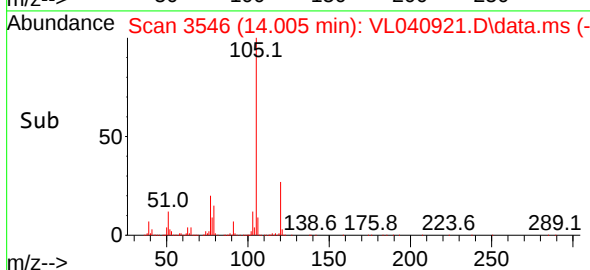
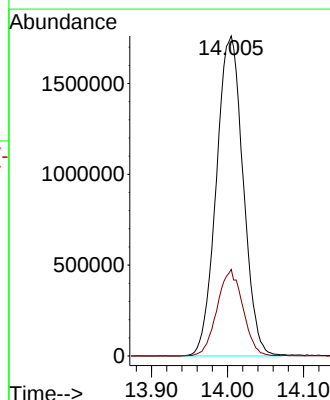
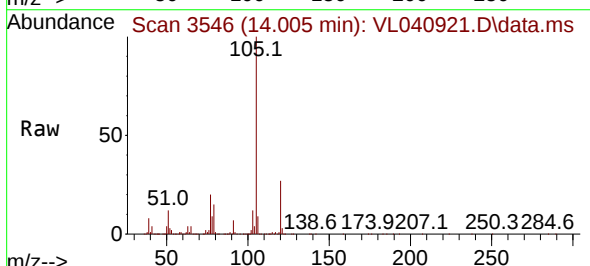
Acq: 20 Dec 2023 16:35

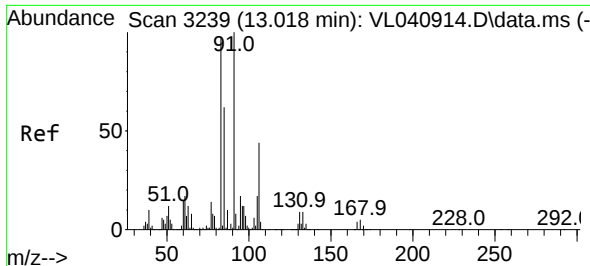
Tgt Ion:105 Resp: 4306327

Ion Ratio Lower Upper

105 100

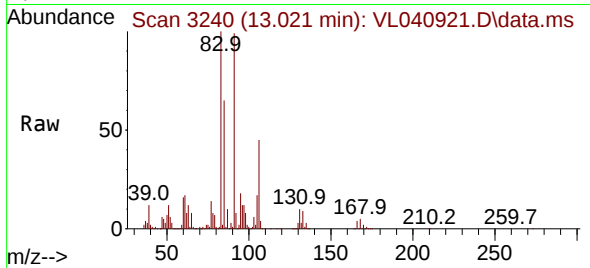
120 26.1 20.7 31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 9.134 ppbv
RT: 13.021 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

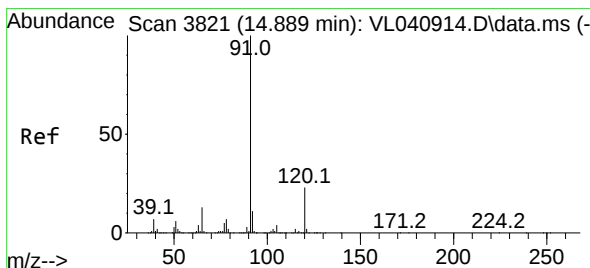
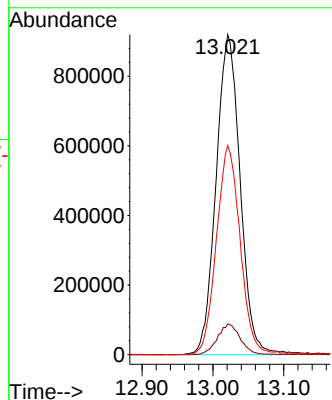
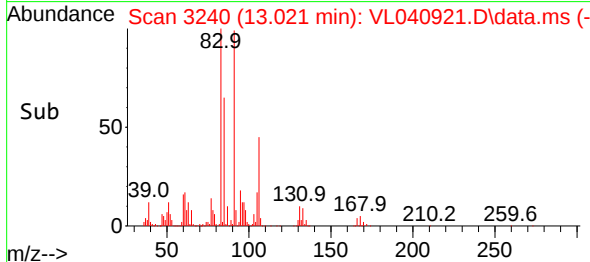
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023



Tgt Ion: 83 Resp: 2166389
Ion Ratio Lower Upper
83 100
131 9.1 4.7 14.0
85 64.9 32.6 98.0

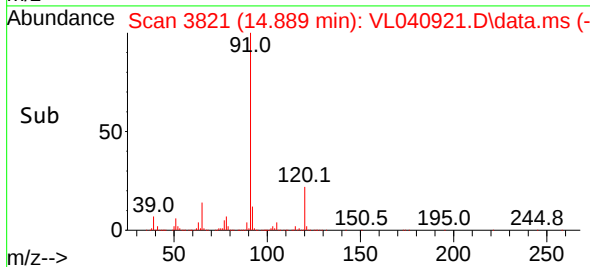
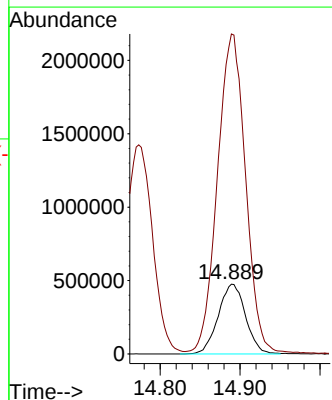
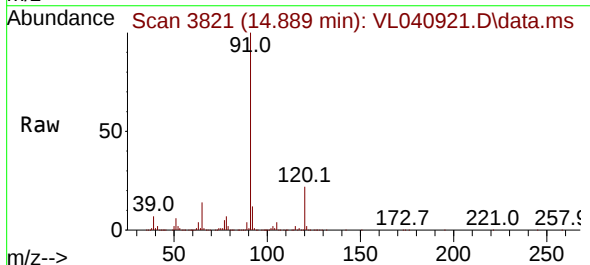
Manual Integrations
APPROVED

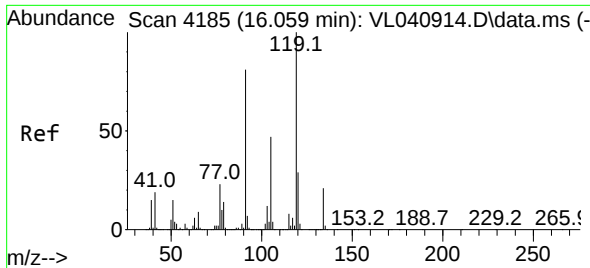
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#64
n-propylbenzene
Concen: 9.212 ppbv
RT: 14.889 min Scan# 3821
Delta R.T. -0.000 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Tgt Ion:120 Resp: 1128197
Ion Ratio Lower Upper
120 100
91 474.3 381.9 572.9





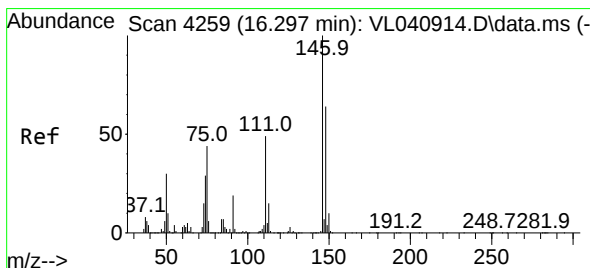
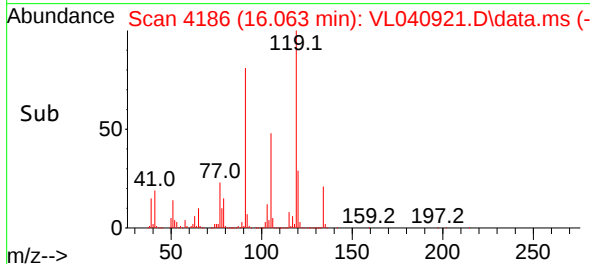
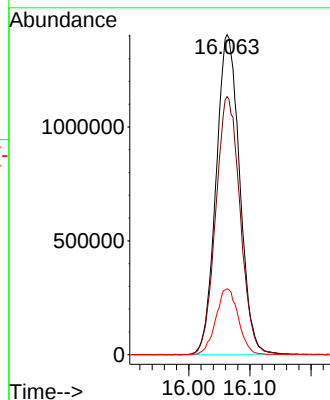
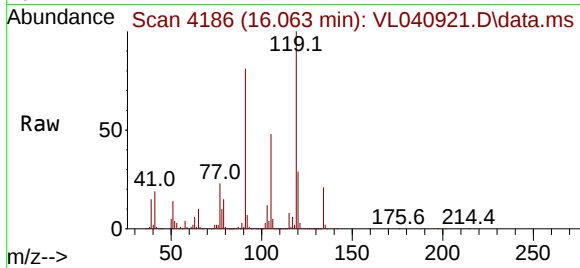
#65
tert-Butylbenzene
Concen: 9.083 ppbv
RT: 16.063 min Scan# 4185
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023

Tgt Ion:119 Resp: 3769890
Ion Ratio Lower Upper
119 100
91 83.4 67.2 100.8
134 19.7 15.8 23.6

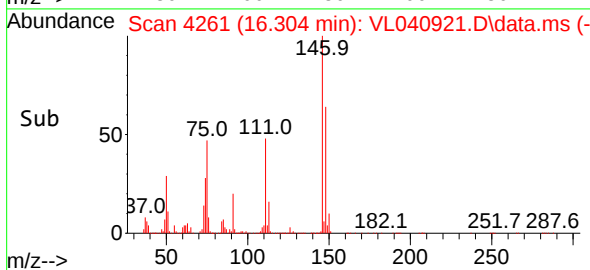
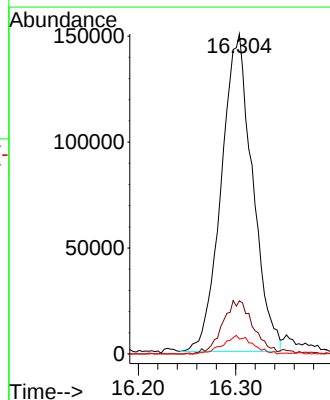
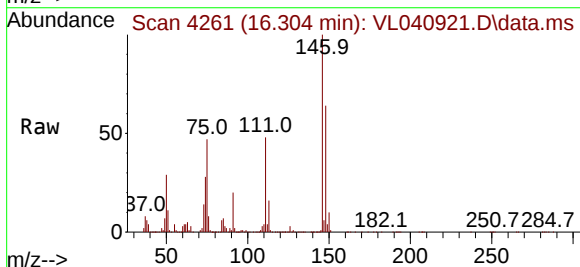
Manual Integrations
APPROVED

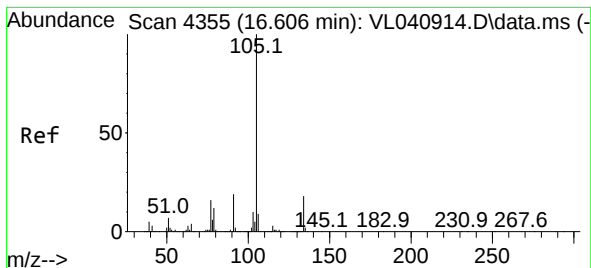
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#66
Benzyl Chloride
Concen: 11.749 ppbv
RT: 16.304 min Scan# 4261
Delta R.T. 0.006 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

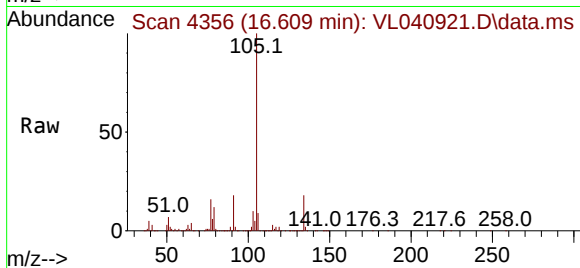
Tgt Ion: 91 Resp: 333686
Ion Ratio Lower Upper
91 100
126 17.6 14.1 21.1
128 5.7 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 8.787 ppbv
 RT: 16.609 min Scan# 4355
 Delta R.T. 0.003 min
 Lab File: VL040921.D
 Acq: 20 Dec 2023 16:35

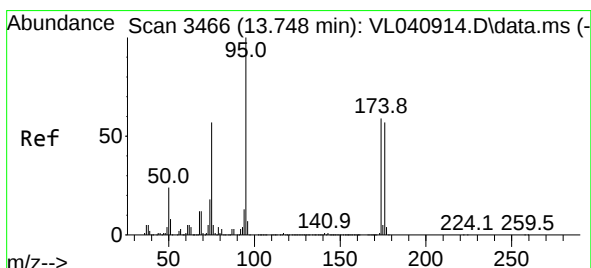
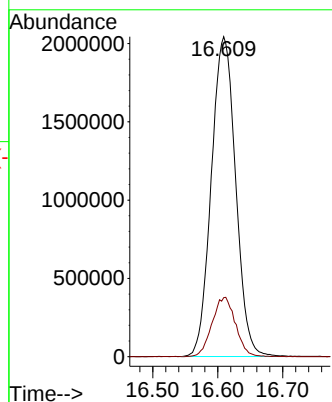
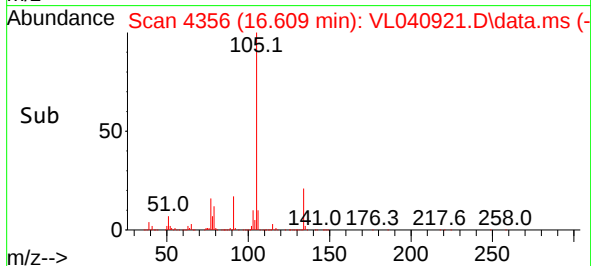
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL122023



Tgt Ion: 105 Resp: 530004
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.4 21.6

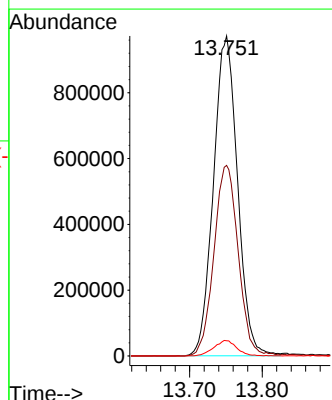
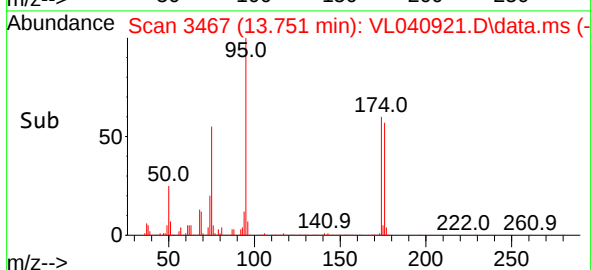
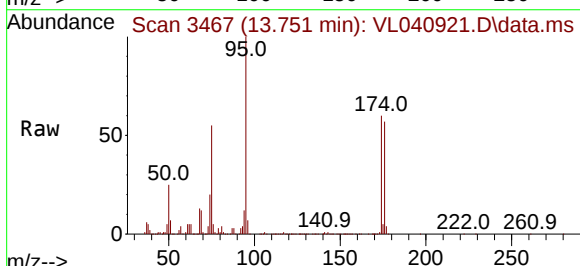
Manual Integrations
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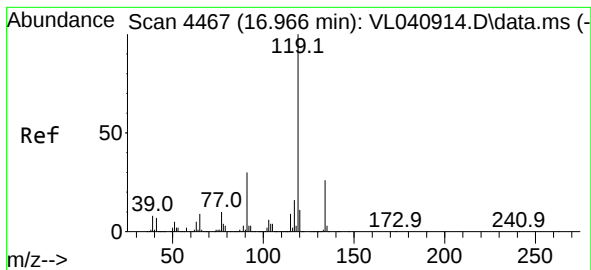
Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.528 ppbv
 RT: 13.751 min Scan# 3467
 Delta R.T. 0.003 min
 Lab File: VL040921.D
 Acq: 20 Dec 2023 16:35

Tgt Ion: 95 Resp: 2244669
 Ion Ratio Lower Upper
 95 100
 174 60.5 48.0 72.0
 175 4.7 3.7 5.5





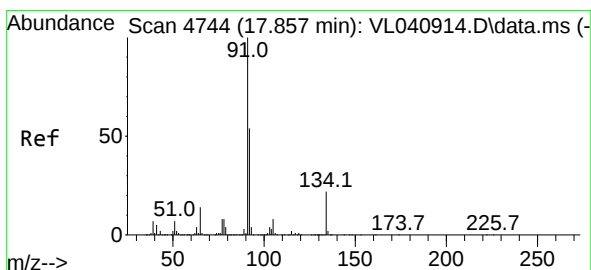
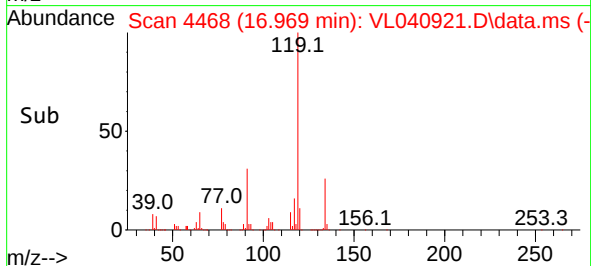
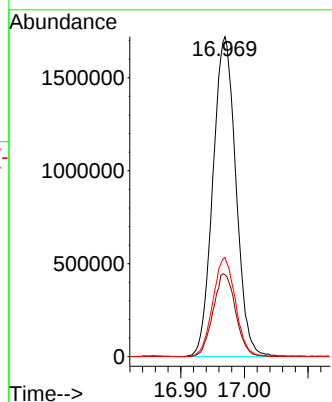
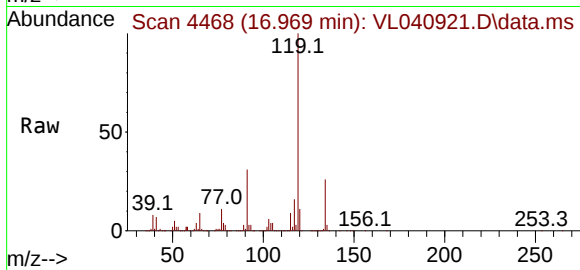
#69
p-Isopropyltoluene
Concen: 9.200 ppbv
RT: 16.969 min Scan# 4468
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

Instrument : MSVOA_L
ClientSampleId : ICVVL122023

Tgt Ion:119 Resp: 4313178
Ion Ratio Lower Upper
119 100
134 25.6 20.3 30.5
91 30.5 24.1 36.1

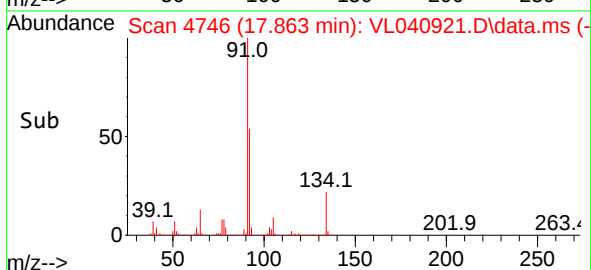
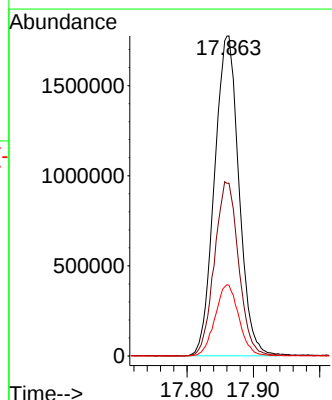
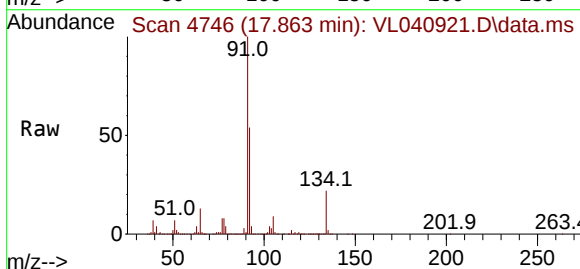
Manual Integrations
APPROVED

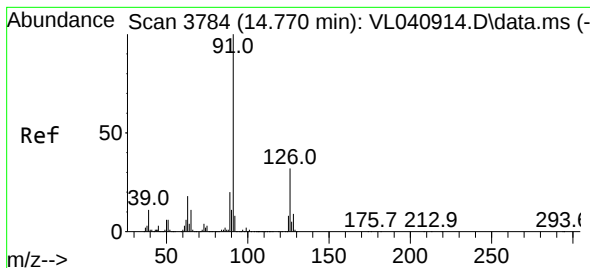
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#70
n-Butylbenzene
Concen: 9.347 ppbv
RT: 17.863 min Scan# 4746
Delta R.T. 0.006 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

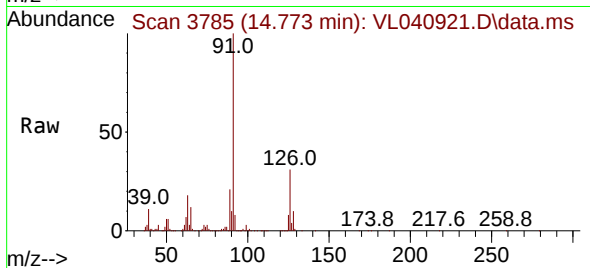
Tgt Ion: 91 Resp: 4549064
Ion Ratio Lower Upper
91 100
92 54.1 43.4 65.0
134 21.7 17.6 26.4





#71
2-Chlorotoluene
Concen: 8.990 ppbv
RT: 14.773 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

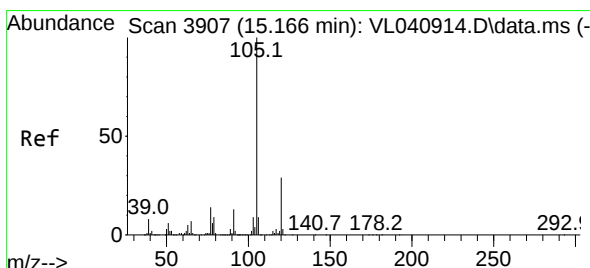
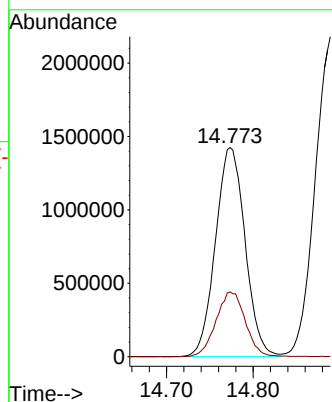
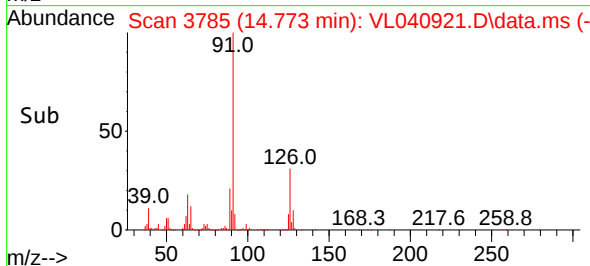
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023



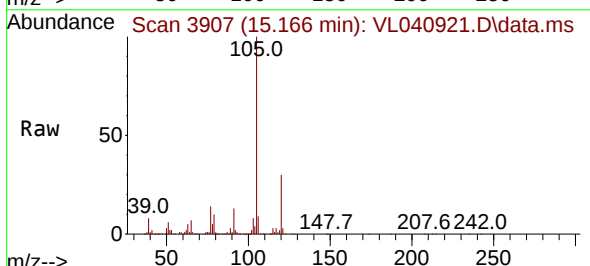
Tgt Ion: 91 Resp: 3380458
Ion Ratio Lower Upper
91 100
126 30.8 12.4 49.6

Manual Integrations
APPROVED

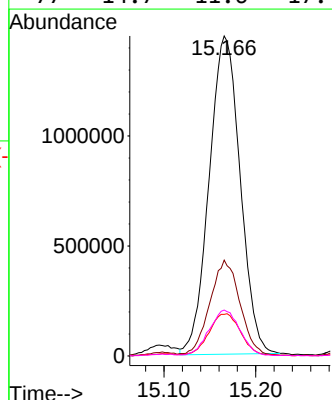
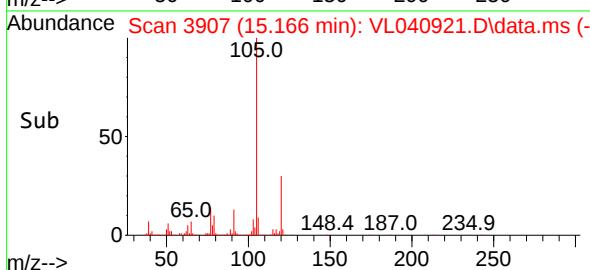
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

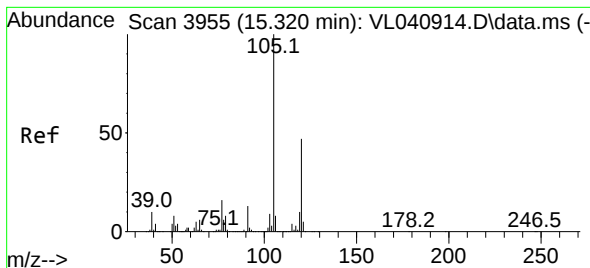


#72
4-Ethyltoluene
Concen: 9.403 ppbv
RT: 15.166 min Scan# 3907
Delta R.T. -0.000 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35



Tgt Ion:105 Resp: 3397923
Ion Ratio Lower Upper
105 100
120 29.6 23.8 35.8
91 14.5 10.9 16.3
77 14.7 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 9.468 ppbv

RT: 15.326 min Scan# 3955

Delta R.T. 0.006 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

Tgt Ion:105 Resp: 2952992

Ion Ratio Lower Upper

105 100

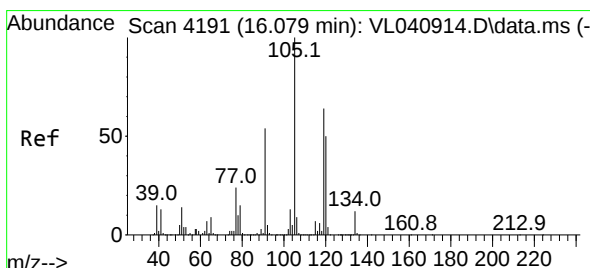
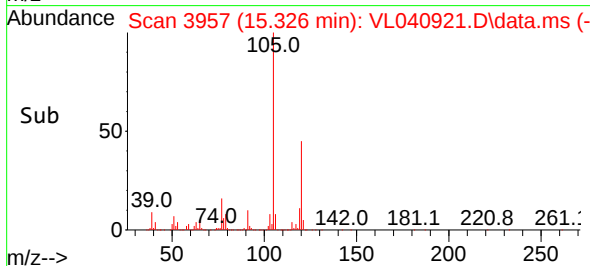
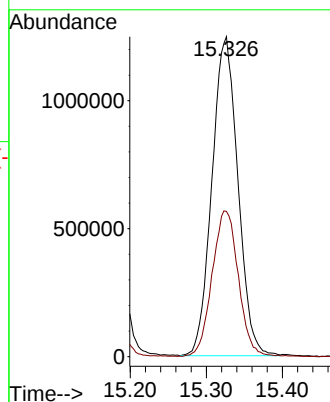
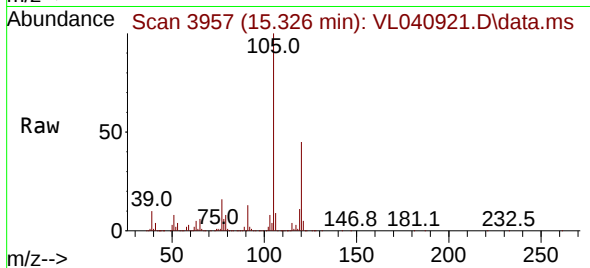
120 45.4 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#74

1,2,4-Trimethylbenzene

Concen: 9.270 ppbv

RT: 16.079 min Scan# 4191

Delta R.T. -0.000 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Tgt Ion:105 Resp: 3217745

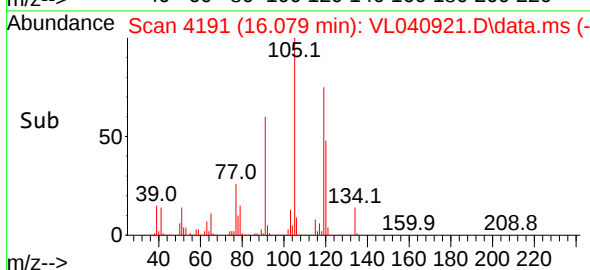
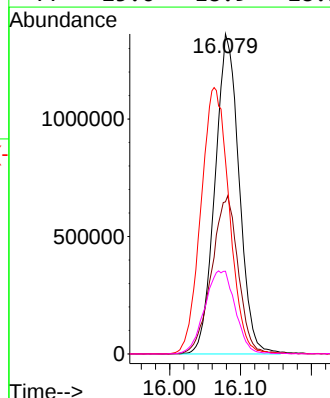
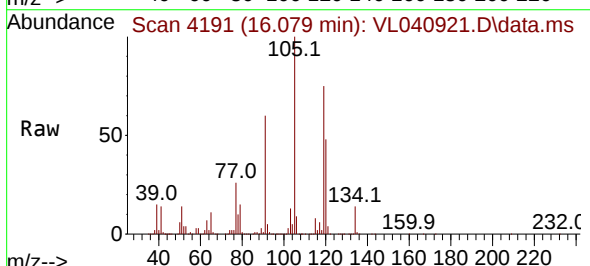
Ion Ratio Lower Upper

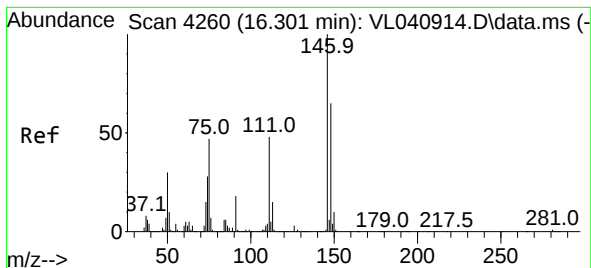
105 100

120 47.3 40.2 60.4

91 60.2 43.0 64.6

77 25.6 18.9 28.3





#75

1,3-Dichlorobenzene

Concen: 9.397 ppbv

RT: 16.304 min Scan# 4260

Delta R.T. 0.003 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

ICVVL122023

Tgt Ion:146 Resp: 186305

Ion Ratio Lower Upper

146 100

111 48.0 24.7 74.1

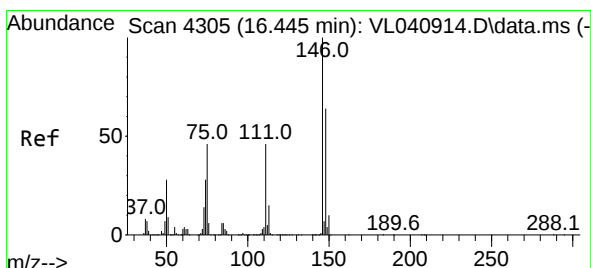
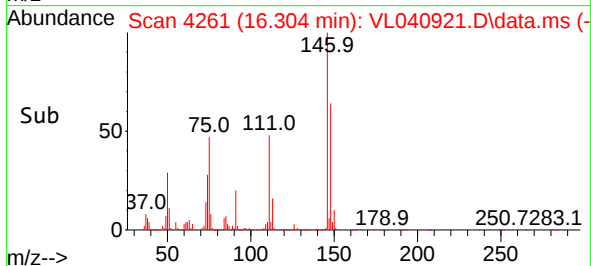
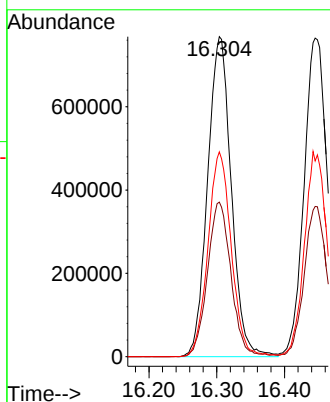
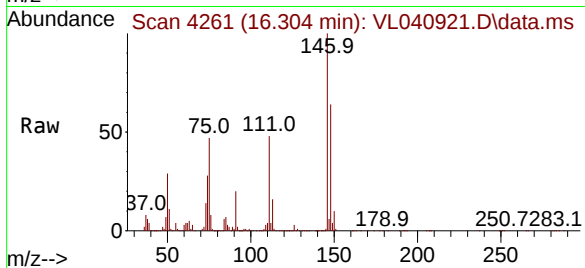
148 63.2 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#76

1,4-Dichlorobenzene

Concen: 9.400 ppbv

RT: 16.445 min Scan# 4305

Delta R.T. -0.000 min

Lab File: VL040921.D

Acq: 20 Dec 2023 16:35

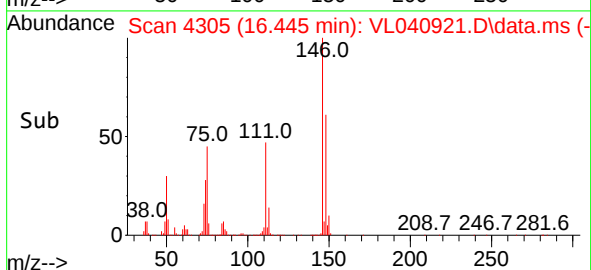
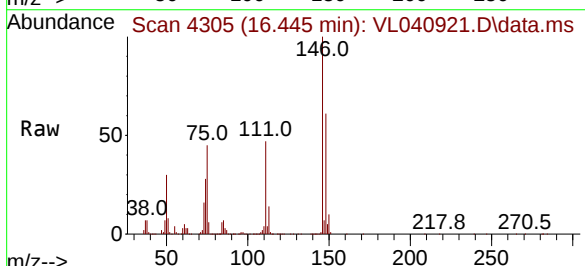
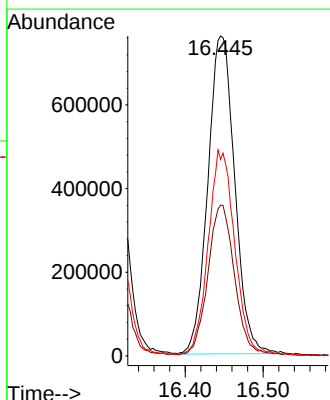
Tgt Ion:146 Resp: 1823244

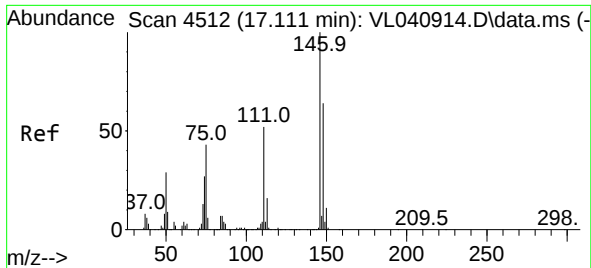
Ion Ratio Lower Upper

146 100

111 47.7 24.1 72.4

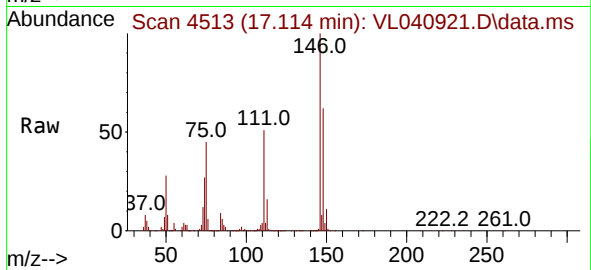
148 64.9 33.2 99.6





#77
1,2-Dichlorobenzene
Concen: 9.271 ppbv
RT: 17.114 min Scan# 4512
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

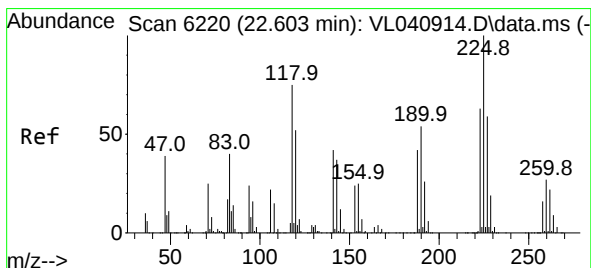
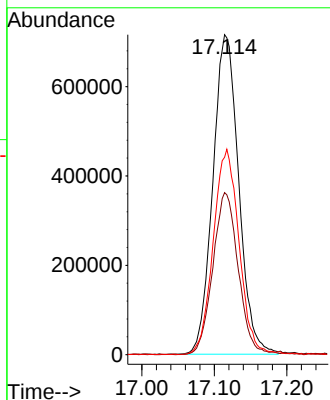
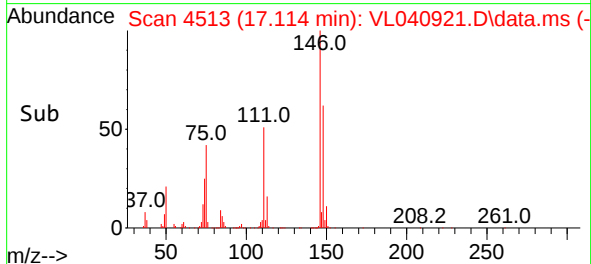
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023



Tgt Ion:146 Resp: 1770830
Ion Ratio Lower Upper
146 100
111 50.2 25.5 76.5
148 64.4 32.2 96.6

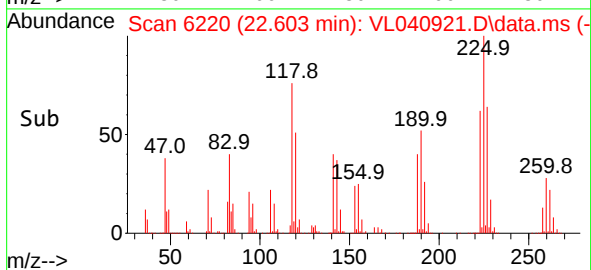
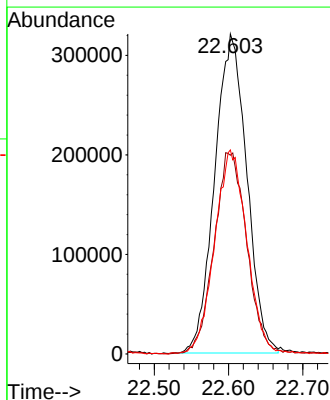
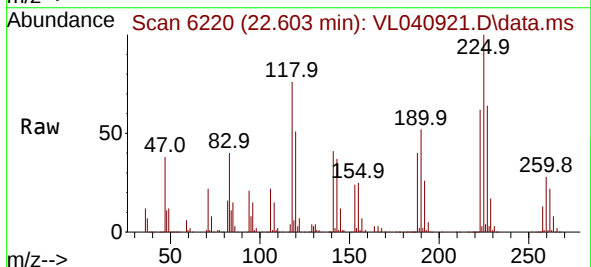
Manual Integrations
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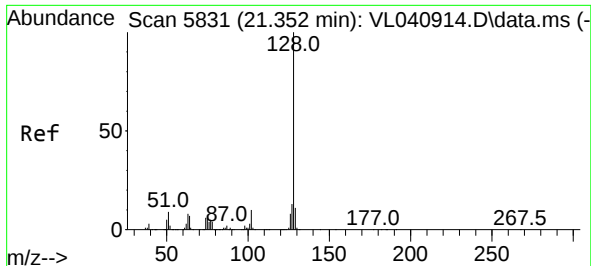
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#78
Hexachloro-1,3-Butadiene
Concen: 8.197 ppbv
RT: 22.603 min Scan# 6220
Delta R.T. -0.000 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

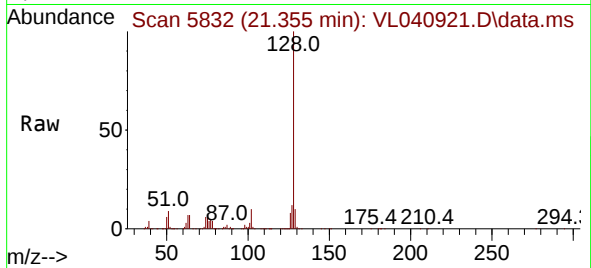
Tgt Ion:225 Resp: 962957
Ion Ratio Lower Upper
225 100
223 64.7 51.5 77.3
227 64.7 51.7 77.5





#79
Naphthalene
Concen: 12.909 ppbv m
RT: 21.355 min Scan# 5831
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35

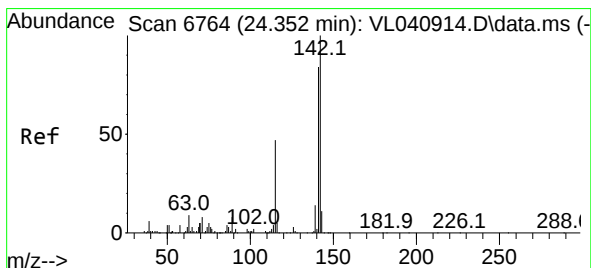
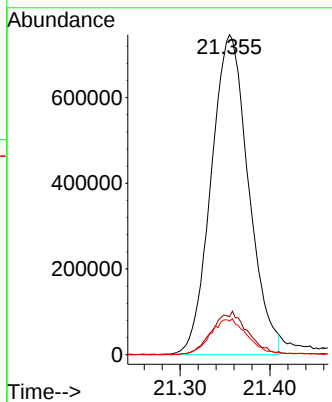
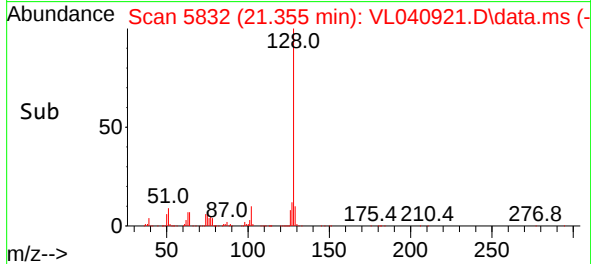
Instrument :
MSVOA_L
ClientSampleId :
ICVVL122023



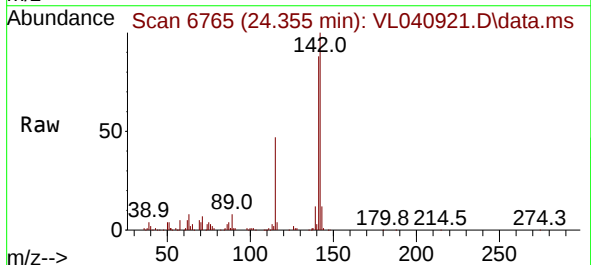
Tgt Ion:128 Resp: 215893
Ion Ratio Lower Upper
128 100
127 11.9 10.6 15.8
129 10.5 8.7 13.1

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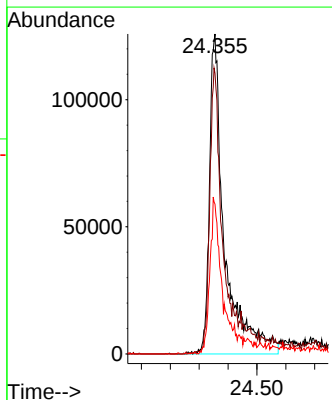
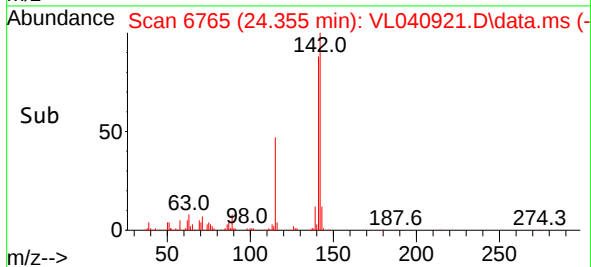
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

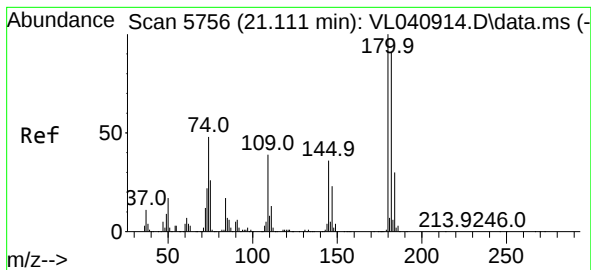


#80
Naphthalene,2-methyl-
Concen: 15.079 ppbv
RT: 24.355 min Scan# 6765
Delta R.T. 0.003 min
Lab File: VL040921.D
Acq: 20 Dec 2023 16:35



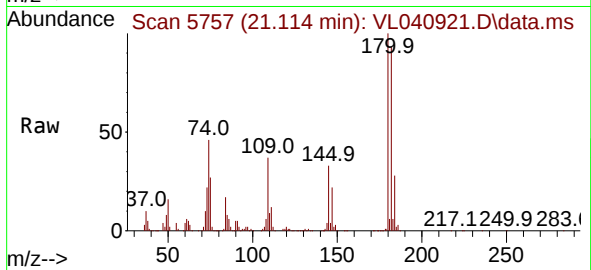
Tgt Ion:142 Resp: 460935
Ion Ratio Lower Upper
142 100
141 78.9 68.5 102.7
115 42.4 34.5 51.7





#81
 1,2,4-Trichlorobenzene
 Concen: 11.315 ppbv
 RT: 21.114 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL040921.D
 Acq: 20 Dec 2023 16:35

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL122023



Tgt Ion:180 Resp: 1086434
 Ion Ratio Lower Upper
 180 100
 182 99.6 79.4 119.0
 184 30.9 24.5 36.7

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023

