

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122023\
 Data File : VL040915.D
 Acq On : 20 Dec 2023 11:48
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Dec 21 07:08:33 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 07:06:17 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1302693	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	3273636	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	3081487	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.748 95 2204815 9.714 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.729	85	516227	2.080	ppbv	97
3) Chlorodifluoromethane	2.674	51	406903	2.076	ppbv	99
4) Chloromethane	2.812	50	145876	2.018	ppbv	91
5) Vinyl Chloride	2.919	62	152029	2.260	ppbv	97
6) Bromomethane	3.115	94	63349	2.050	ppbv	94
7) Chloroethane	3.195	64	53693	2.158	ppbv	94
8) Dichlorotetrafluoroethane	2.854	85	363879	2.035	ppbv	96
9) Propene	2.693	41	139433	2.156	ppbv	100
10) Heptane	7.555	43	345372	2.148	ppbv	99
11) Trichlorofluoromethane	3.555	101	406654	2.096	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.054	101	344039	2.284	ppbv	100
13) Ethanol	3.243	45	32955m	2.280	ppbv	
14) Bromoethene	3.359	108	116151	2.104	ppbv	98
15) Acetone	3.465	43	350141	2.241	ppbv	96
16) 1,3-Butadiene	2.983	39	140390	2.087	ppbv	97
17) tert-Butyl alcohol	3.873	59	230081	1.991	ppbv	98
18) 1,1-Dichloroethene	3.873	96	127008	2.042	ppbv	92
19) Isopropyl Alcohol	3.578	45	171100	2.071	ppbv #	97
20) Methylene Chloride	3.922	84	116581	2.072	ppbv	95
21) Allyl Chloride	3.986	41	209558	2.269	ppbv	97
22) trans-1,2-Dichloroethene	4.430	96	148949	2.078	ppbv	94
23) Vinyl Acetate	4.613	43	361479	2.047	ppbv	98
24) 1,1-Dichloroethane	4.552	63	343228	2.226	ppbv	97
25) Ethyl Acetate	5.192	43	565236	2.088	ppbv	98
26) Hexane	5.198	57	256567	2.123	ppbv	99
27) Carbon Disulfide	4.115	76	380827	2.345	ppbv	97
28) Methyl tert-Butyl Ether	4.578	73	246667	2.216	ppbv	100
29) Chloroform	5.256	83	435571	2.151	ppbv	94
30) Cyclohexane	6.578	84	214238	2.142	ppbv #	82
31) cis-1,2-Dichloroethene	5.063	61	262209	2.128	ppbv	99
32) 1,1,1-Trichloroethane	5.986	97	426373	2.210	ppbv	98
34) 2-Butanone	4.774	43	364402	2.104	ppbv	99
35) Carbon Tetrachloride	6.471	117	442766	2.151	ppbv	97
36) Benzene	6.349	78	546505	2.136	ppbv	98
37) 1,2-Dichloroethane	5.787	62	316801	2.066	ppbv	100
38) Trichloroethene	7.269	130	206857	2.102	ppbv	96
39) 1,2-Dichloropropane	7.050	63	201834	2.001	ppbv	93
40) 1,4-Dioxane	7.282	88	85512m	2.049	ppbv	
41) Tetrahydrofuran	5.549	42	219201	2.086	ppbv	98
42) Bromodichloromethane	7.227	83	465084	2.103	ppbv	98
43) Methyl Methacrylate	7.449	69	206936	2.074	ppbv	94
44) 2,2,4-Trimethylpentane	7.304	57	938474	2.159	ppbv	99
45) t-1,3-Dichloropropene	8.680	75	149951	2.027	ppbv	94

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Manual Integrations
 APPROVED

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

Quant Time: Dec 21 07:08:33 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 07:06:17 2023

Response via : Initial Calibration

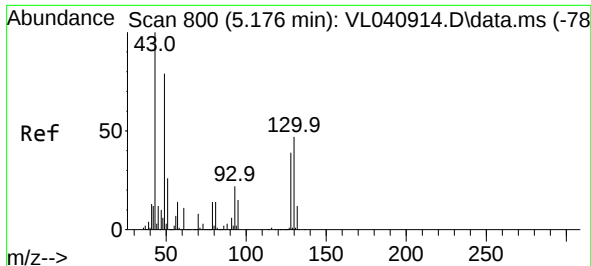
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.114	75	192361	2.088	ppbv	99
47) 1,1,2-Trichloroethane	8.867	97	225886	2.093	ppbv	96
48) Dibromochloromethane	9.684	129	387432	2.126	ppbv	99
49) Bromoform	12.372	173	301234m	2.136	ppbv	
50) 4-Methyl-2-Pentanone	8.159	43	565116	2.150	ppbv	100
51) 2-Hexanone	9.532	43	401275	2.122	ppbv #	98
52) Tetrachloroethene	10.587	164	183647	2.128	ppbv	94
53) Toluene	9.195	91	615734	2.153	ppbv	100
54) 1,2-Dibromoethane	9.979	107	321599	2.183	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.481	131	283210	2.102	ppbv #	1
57) Chlorobenzene	11.494	112	491555	2.161	ppbv	99
58) Ethyl Benzene	12.060	91	852099	2.152	ppbv	96
59) m/p-Xylene	12.339	91	1443765m	4.288	ppbv	
60) o-Xylene	13.027	91	685932	2.162	ppbv	99
61) Styrene	12.870	104	325429	2.151	ppbv	99
62) Isopropylbenzene	13.998	105	1013849	2.155	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.015	83	488653	2.145	ppbv	98
64) n-propylbenzene	14.886	120	250925	2.114	ppbv	86
65) tert-Butylbenzene	16.063	119	880613	2.168	ppbv	99
66) Benzyl Chloride	16.294	91	49227m	1.788	ppbv	
67) sec-Butylbenzene	16.609	105	1260259	2.169	ppbv	98
69) p-Isopropyltoluene	16.963	119	983294	2.179	ppbv	99
70) n-Butylbenzene	17.857	91	1000463	2.134	ppbv	99
71) 2-Chlorotoluene	14.767	91	777165m	2.146	ppbv	
72) 4-Ethyltoluene	15.162	105	736465	2.115	ppbv	99
73) 1,3,5-Trimethylbenzene	15.320	105	652191	2.170	ppbv	99
74) 1,2,4-Trimethylbenzene	16.079	105	710955	2.126	ppbv	92
75) 1,3-Dichlorobenzene	16.301	146	404462	2.110	ppbv	99
76) 1,4-Dichlorobenzene	16.439	146	393228	2.101	ppbv	99
77) 1,2-Dichlorobenzene	17.111	146	388725m	2.103	ppbv	
78) Hexachloro-1,3-Butadiene	22.603	225	243235	2.121	ppbv	97
79) Naphthalene	21.362	128	357863m	2.288	ppbv	
80) Naphthalene,2-methyl-	24.361	142	69862m	2.555	ppbv	
81) 1,2,4-Trichlorobenzene	21.111	180	191147m	2.039	ppbv	

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

Manual Integrations APPROVED

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Dec 21 07:06:17 2023
Response via : Initial Calibration





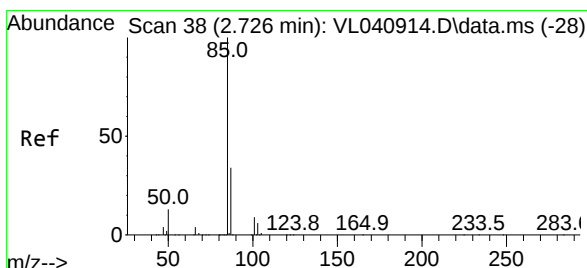
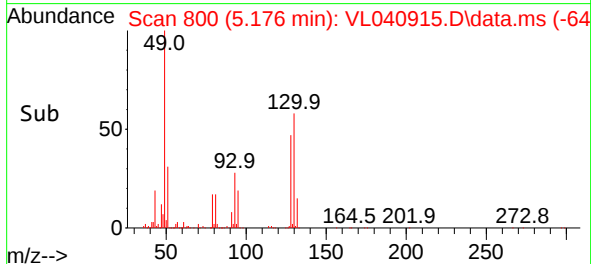
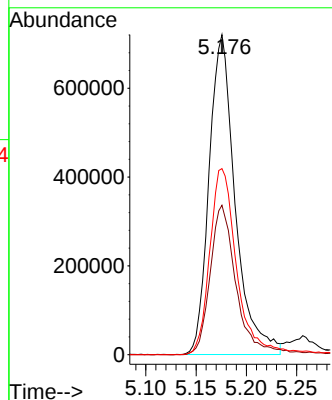
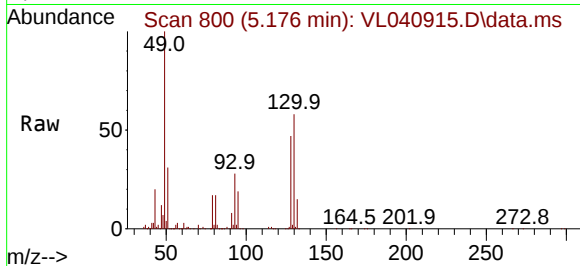
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 130269
Ion Ratio Lower Upper
49 100
128 47.6 23.8 71.2
130 61.6 30.1 90.5

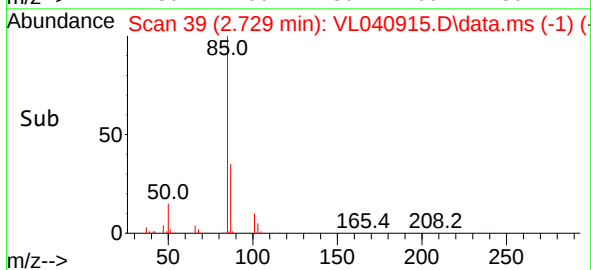
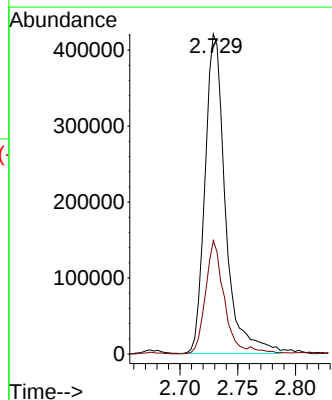
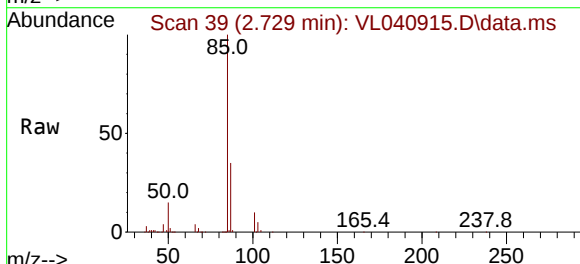
Manual Integrations
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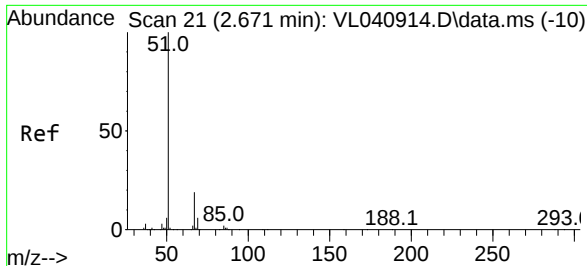
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#2
Dichlorodifluoromethane
Concen: 2.080 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

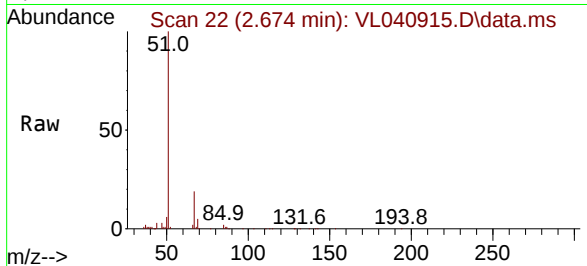
Tgt Ion: 85 Resp: 516227
Ion Ratio Lower Upper
85 100
87 35.4 27.0 40.6





#3
Chlorodifluoromethane
Concen: 2.076 ppbv
RT: 2.674 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

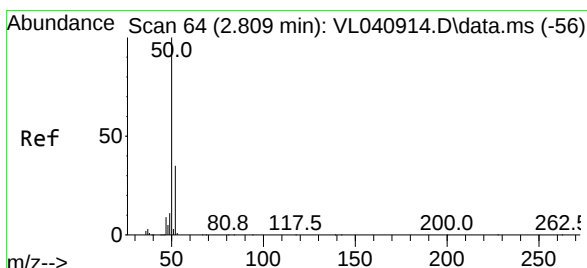
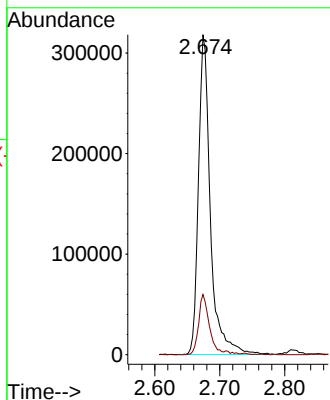
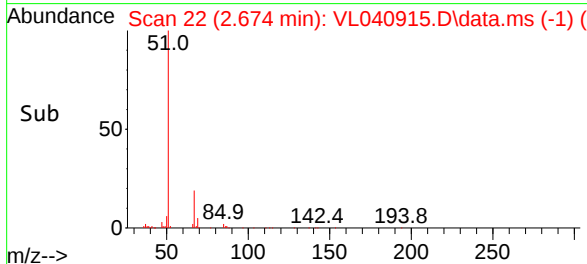
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 51 Resp: 406903
Ion Ratio Lower Upper
51 100
67 17.9 14.7 22.1

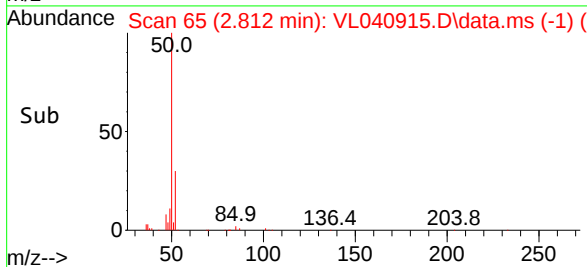
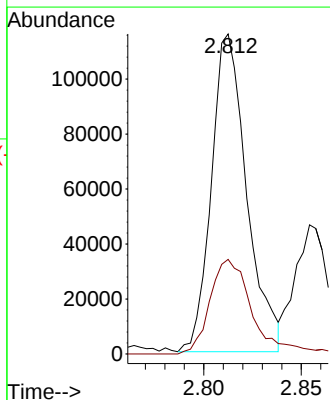
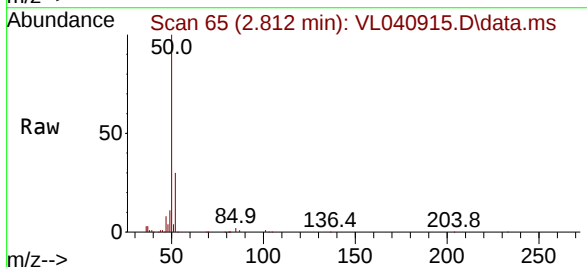
Manual Integrations
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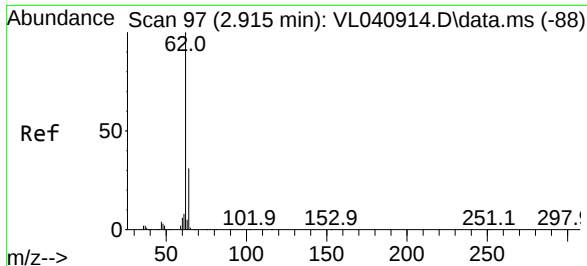
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#4
Chloromethane
Concen: 2.018 ppbv
RT: 2.812 min Scan# 65
Delta R.T. 0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion: 50 Resp: 145876
Ion Ratio Lower Upper
50 100
52 29.8 28.0 42.0





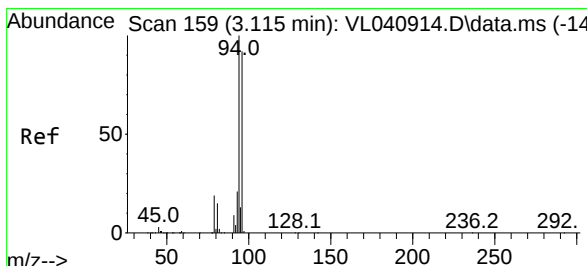
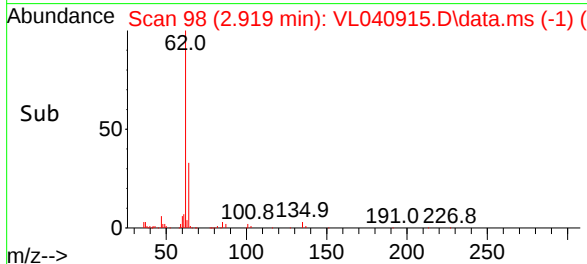
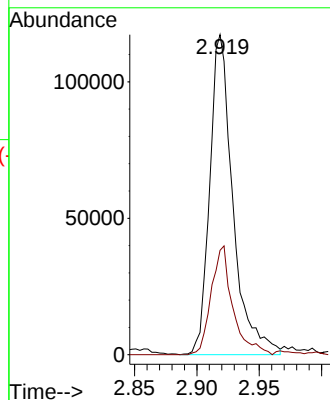
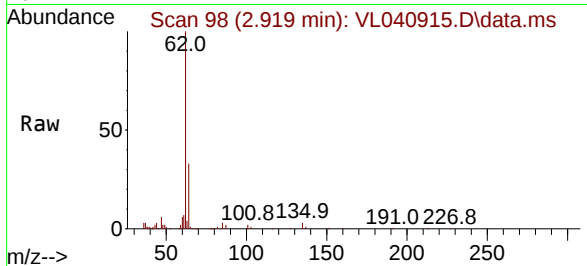
#5
 Vinyl Chloride
 Concen: 2.260 ppbv
 RT: 2.919 min Scan# 97
 Delta R.T. 0.003 min
 Lab File: VL040915.D
 Acq: 20 Dec 2023 11:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 62 Resp: 152029
 Ion Ratio Lower Upper
 62 100
 64 32.6 24.9 37.3

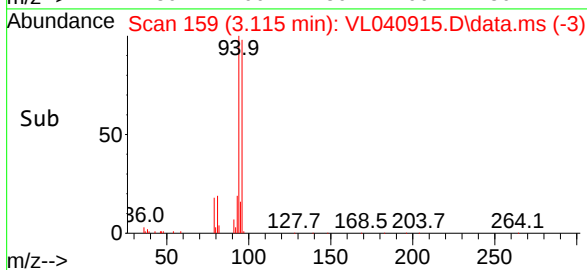
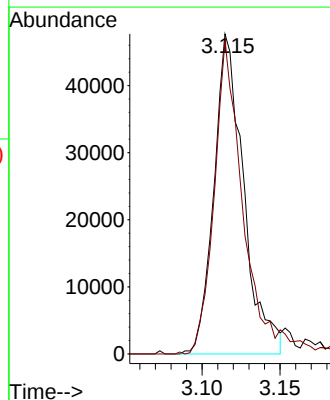
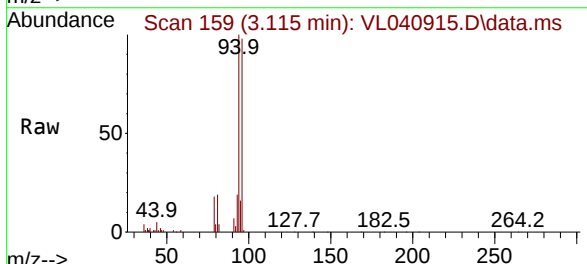
Manual Integrations
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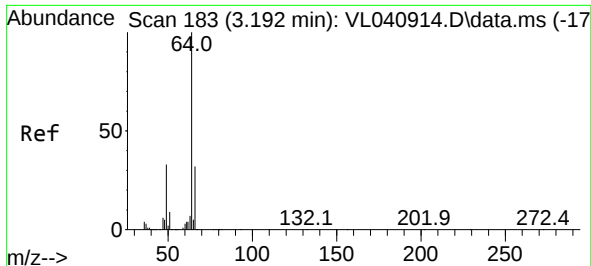
Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023



#6
 Bromomethane
 Concen: 2.050 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. 0.000 min
 Lab File: VL040915.D
 Acq: 20 Dec 2023 11:48

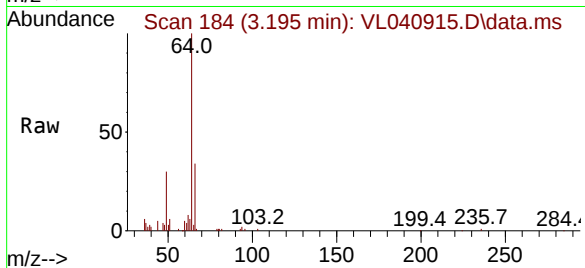
Tgt Ion: 94 Resp: 63349
 Ion Ratio Lower Upper
 94 100
 96 97.3 73.2 109.8





#7
Chloroethane
Concen: 2.158 ppbv
RT: 3.195 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

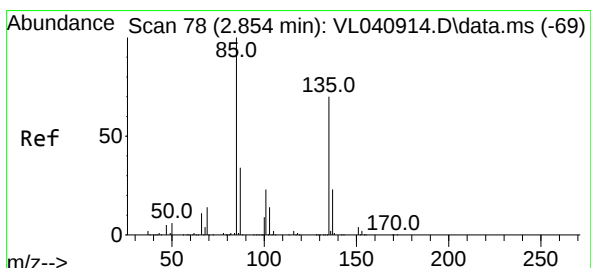
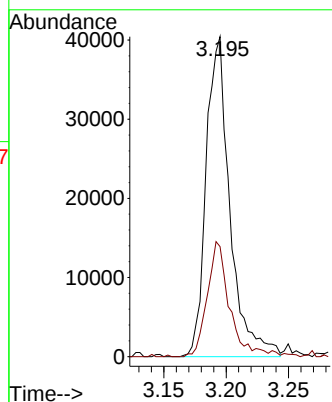
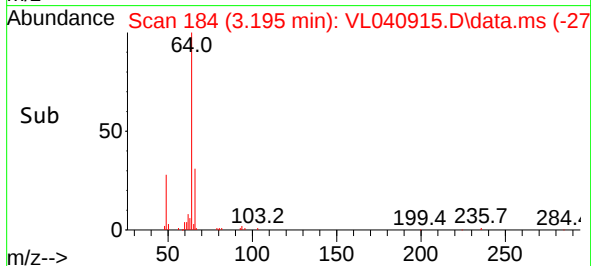
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 64 Resp: 5369
Ion Ratio Lower Upper
64 100
66 35.3 25.7 38.5

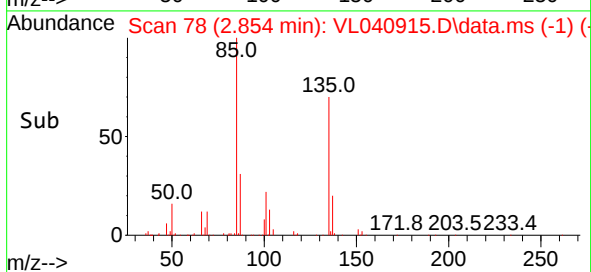
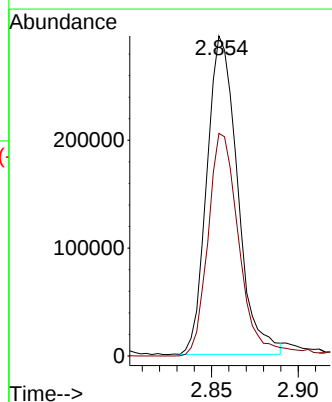
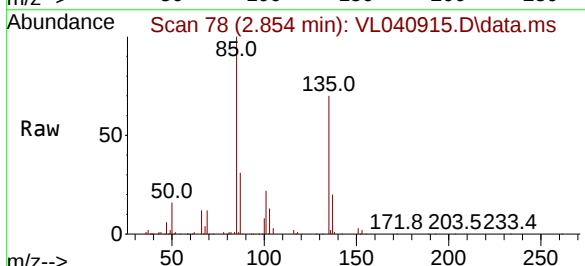
Manual Integrations
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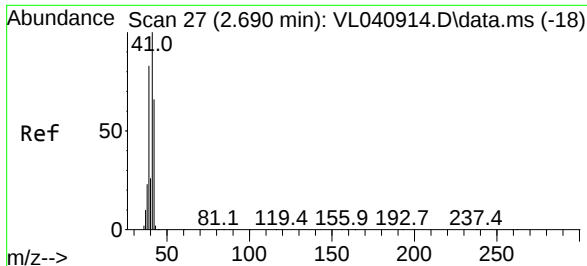
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#8
Dichlorotetrafluoroethane
Concen: 2.035 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion: 85 Resp: 363879
Ion Ratio Lower Upper
85 100
135 73.0 55.8 83.8





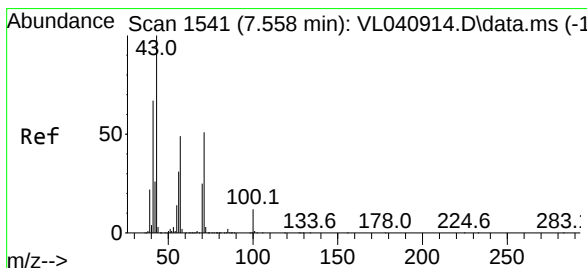
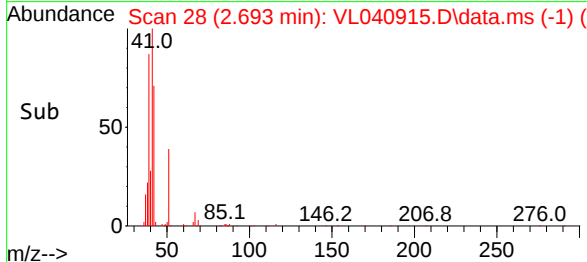
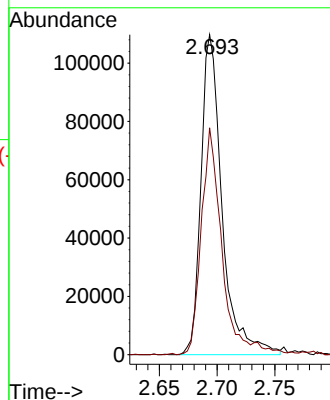
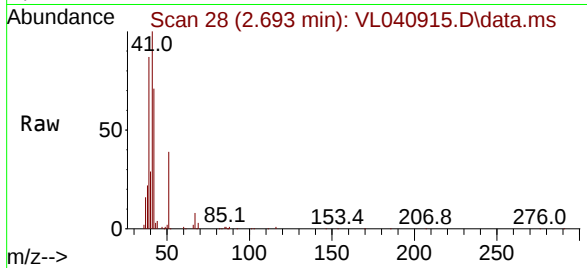
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 Propene
 Concen: 2.156 ppbv
 RT: 2.693 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VL040915.D
 Acq: 20 Dec 2023 11:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 41 Resp: 13943
 Ion Ratio Lower Upper
 41 100
 42 69.8 55.8 83.6

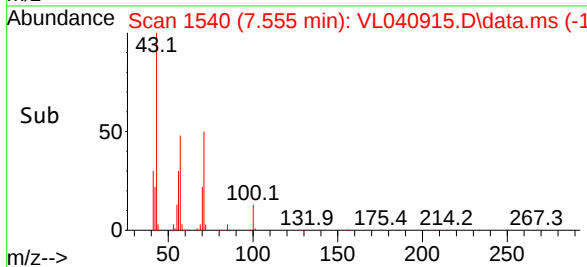
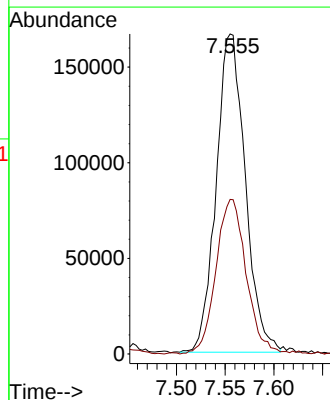
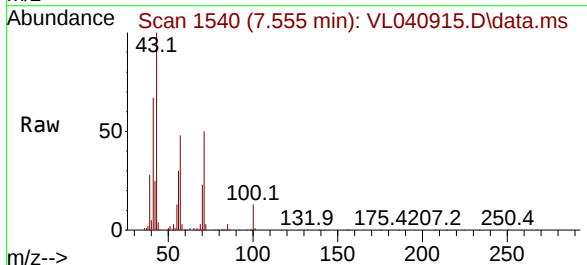
Manual Integrations
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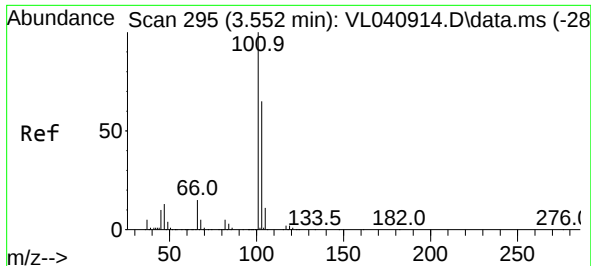
Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023



#10
 Heptane
 Concen: 2.148 ppbv
 RT: 7.555 min Scan# 1540
 Delta R.T. -0.003 min
 Lab File: VL040915.D
 Acq: 20 Dec 2023 11:48

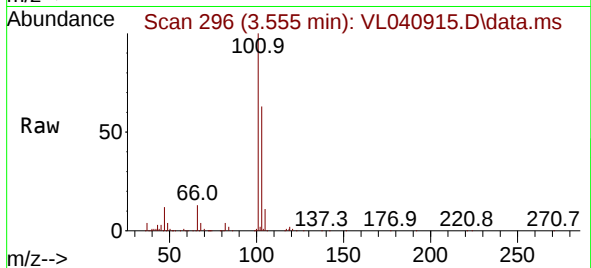
Tgt Ion: 43 Resp: 345372
 Ion Ratio Lower Upper
 43 100
 57 49.8 39.3 58.9





#11
Trichlorofluoromethane
Concen: 2.096 ppbv
RT: 3.555 min Scan# 295
Delta R.T. 0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

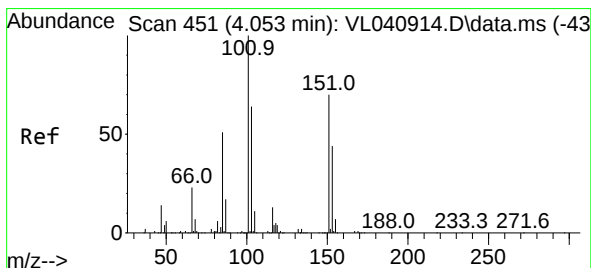
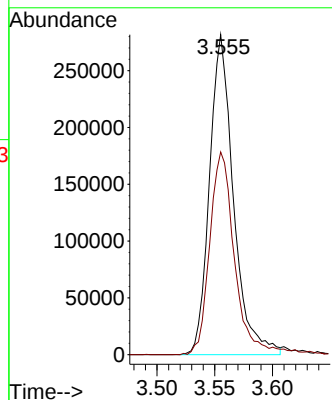
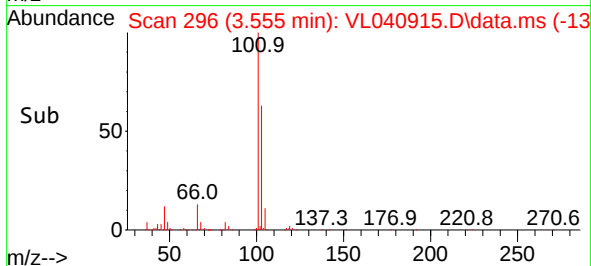
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



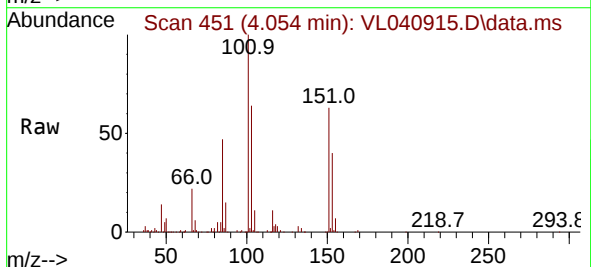
Tgt Ion:101 Resp: 406654
Ion Ratio Lower Upper
101 100
103 63.4 51.9 77.9

Manual Integrations
APPROVED

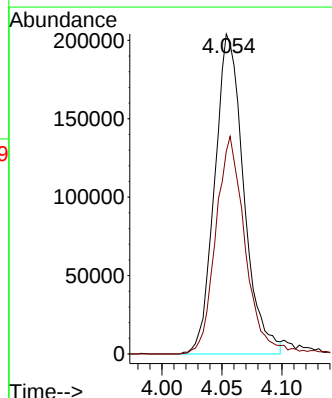
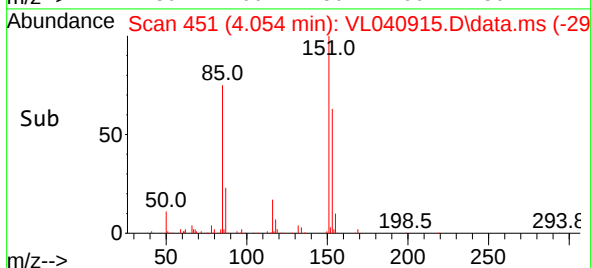
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

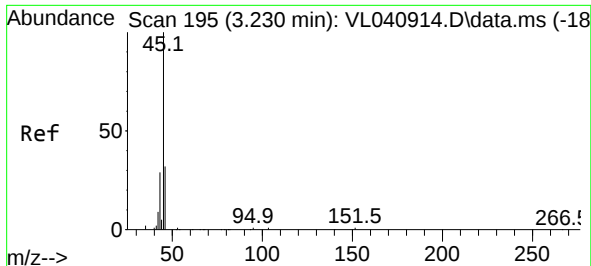


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.284 ppbv
RT: 4.054 min Scan# 451
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48



Tgt Ion:101 Resp: 344039
Ion Ratio Lower Upper
101 100
151 69.7 55.8 83.8





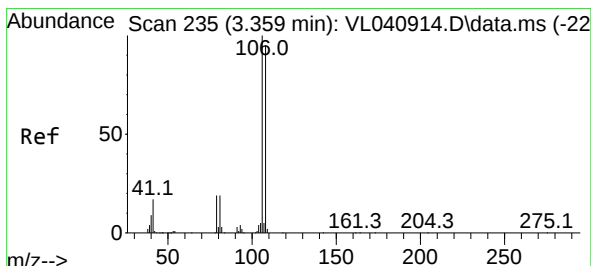
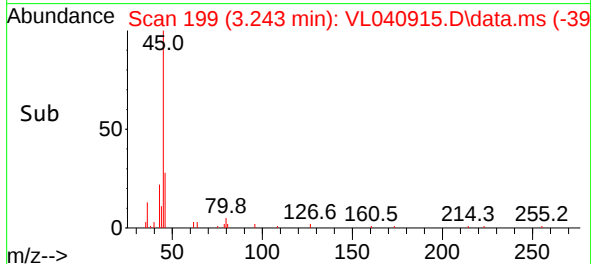
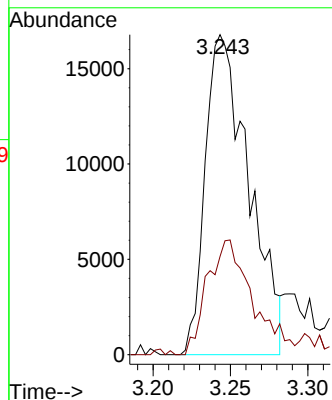
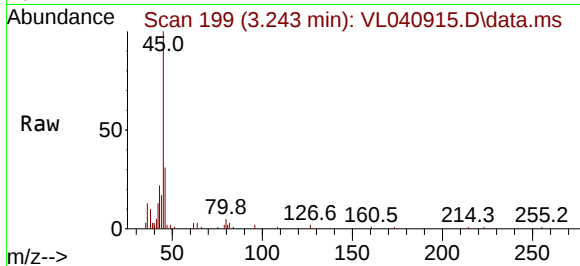
#13
Ethanol
Concen: 2.280 ppbv m
RT: 3.243 min Scan# 195
Delta R.T. 0.013 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 45 Resp: 3295
Ion Ratio Lower Upper
45 100
46 0.0 15.0 60.0

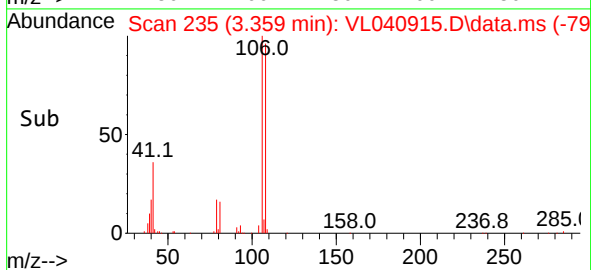
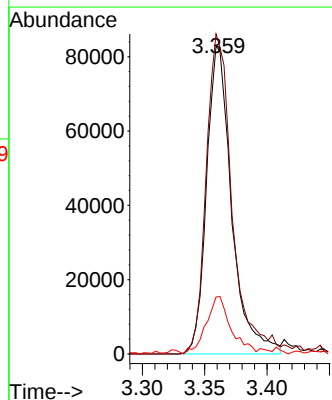
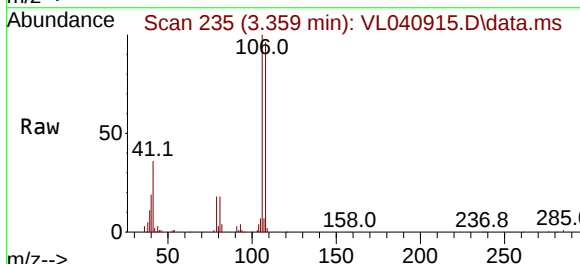
Manual Integrations
APPROVED

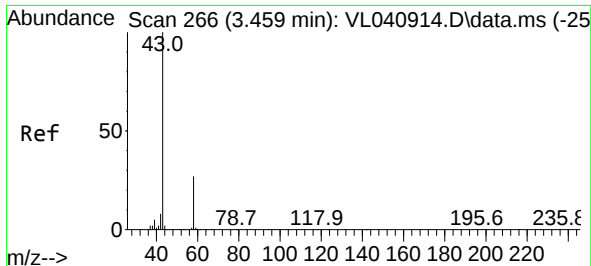
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#14
Bromoethene
Concen: 2.104 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

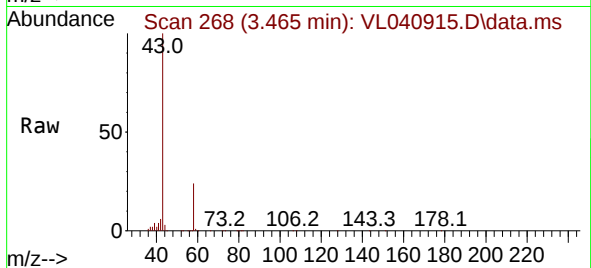
Tgt Ion:108 Resp: 116151
Ion Ratio Lower Upper
108 100
106 111.2 87.5 131.3
79 21.3 16.6 24.8





#15
Acetone
Concen: 2.241 ppbv
RT: 3.465 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

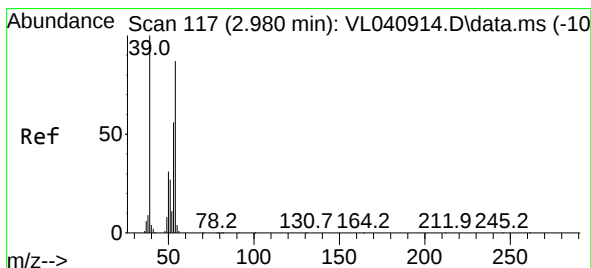
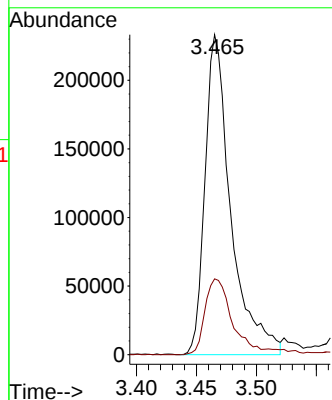
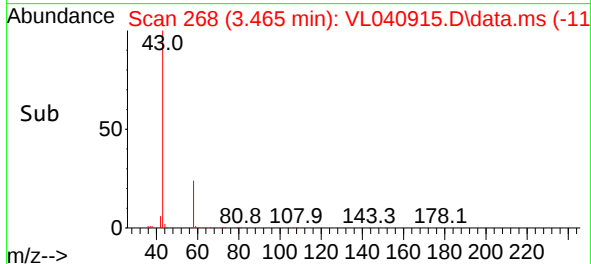
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



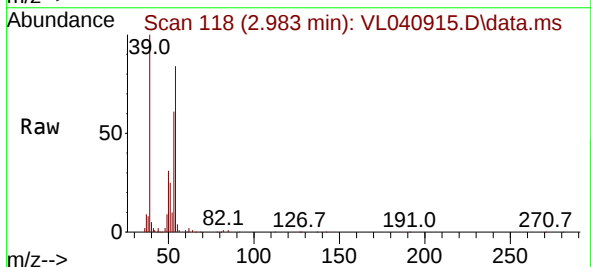
Tgt Ion: 43 Resp: 35014
Ion Ratio Lower Upper
43 100
58 28.0 20.6 30.8

Manual Integrations
APPROVED

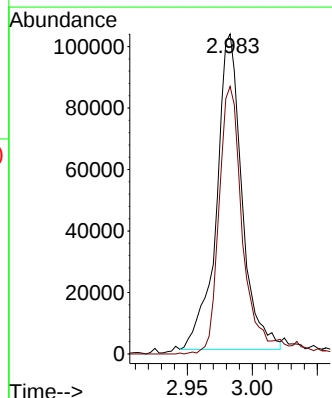
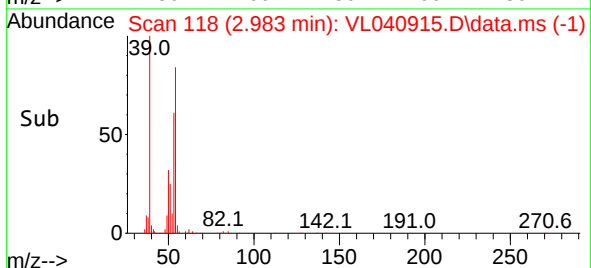
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

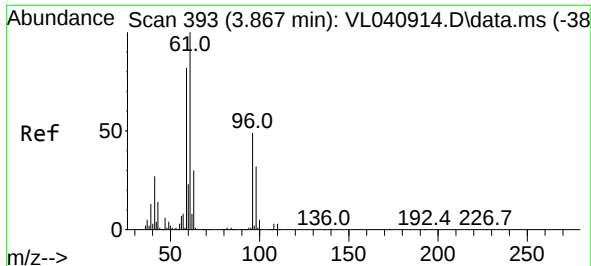


#16
1,3-Butadiene
Concen: 2.087 ppbv
RT: 2.983 min Scan# 118
Delta R.T. 0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48



Tgt Ion: 39 Resp: 140390
Ion Ratio Lower Upper
39 100
54 82.1 63.8 95.6





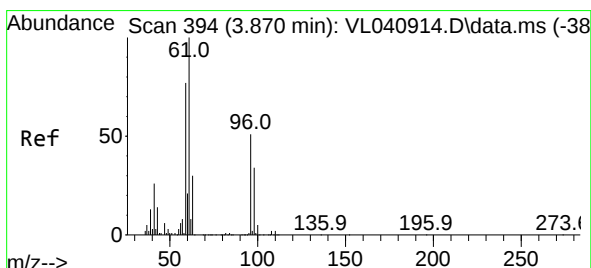
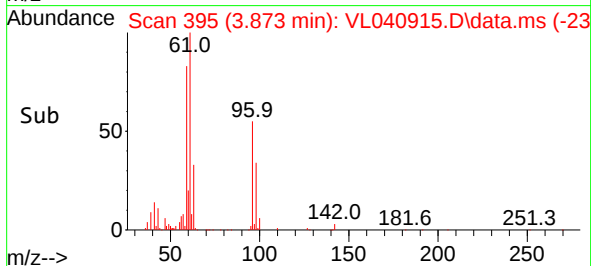
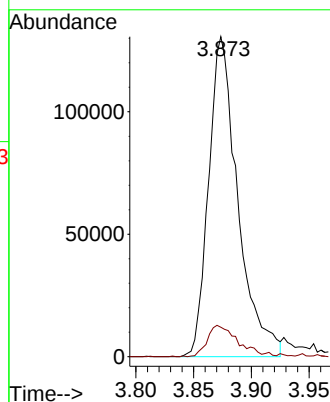
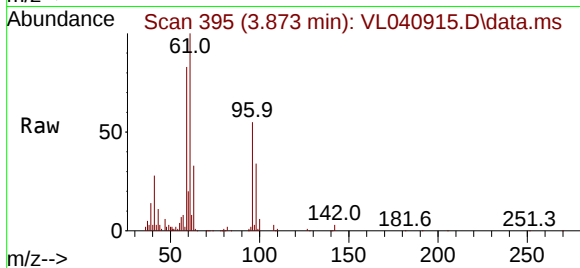
#17
tert-Butyl alcohol
Concen: 1.991 ppbv
RT: 3.873 min Scan# 395
Delta R.T. 0.006 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 23008
Ion Ratio Lower Upper
59 100
57 11.0 8.3 12.5

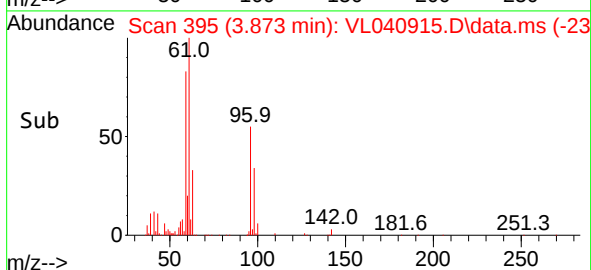
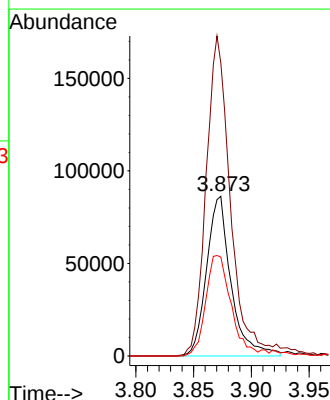
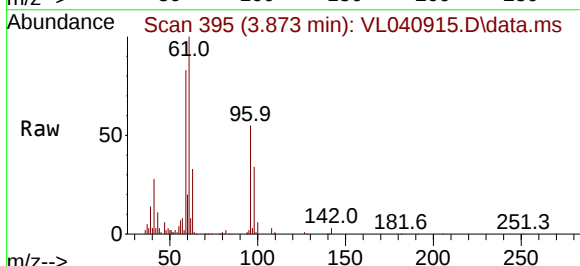
Manual Integrations
APPROVED

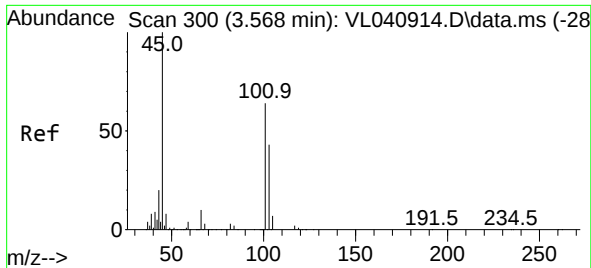
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#18
1,1-Dichloroethene
Concen: 2.042 ppbv
RT: 3.873 min Scan# 395
Delta R.T. 0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion: 96 Resp: 127008
Ion Ratio Lower Upper
96 100
61 183.0 156.6 235.0
98 61.9 52.5 78.7





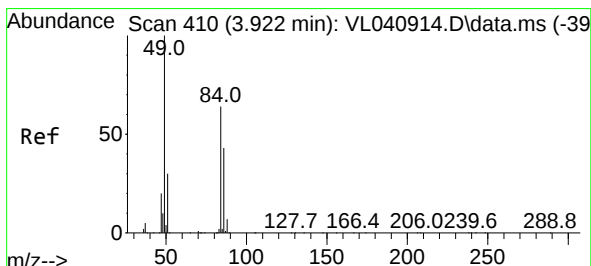
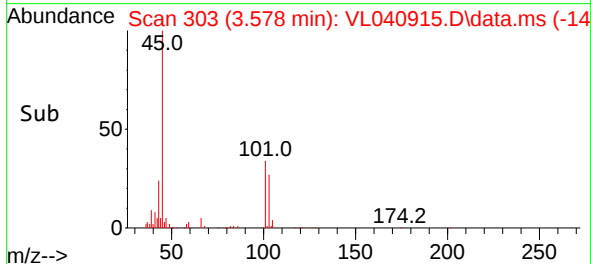
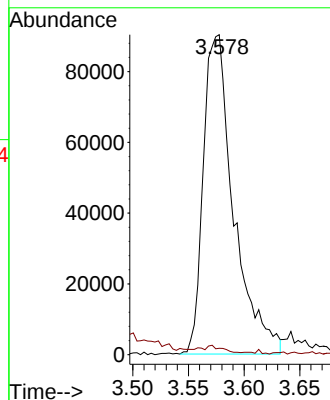
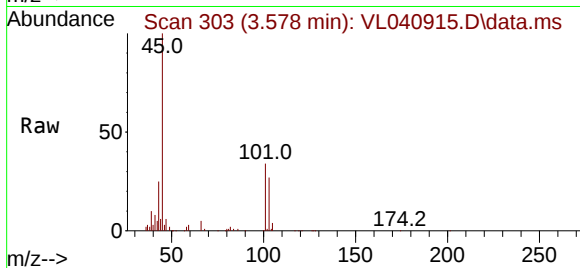
#19
Isopropyl Alcohol
Concen: 2.071 ppbv
RT: 3.578 min Scan# 300
Delta R.T. 0.010 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 171100
Ion Ratio Lower Upper
45 100
58 2.9 1.5 2.3

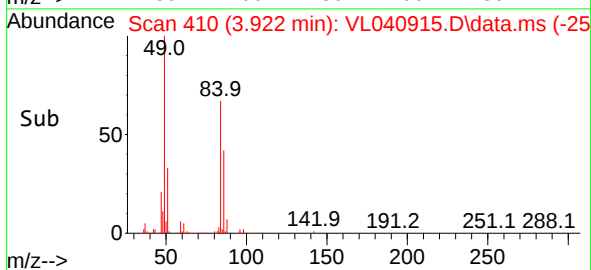
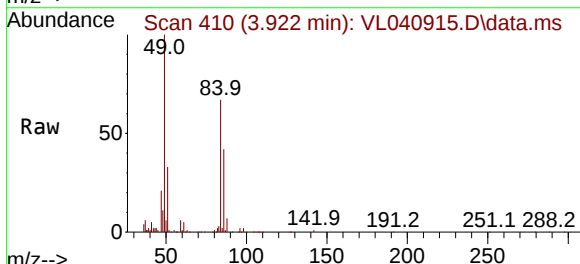
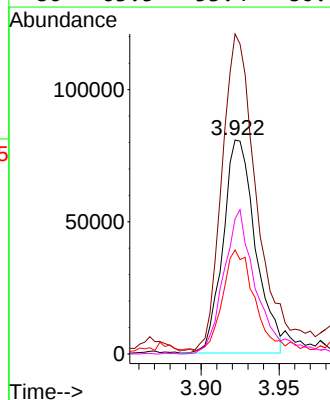
Manual Integrations
APPROVED

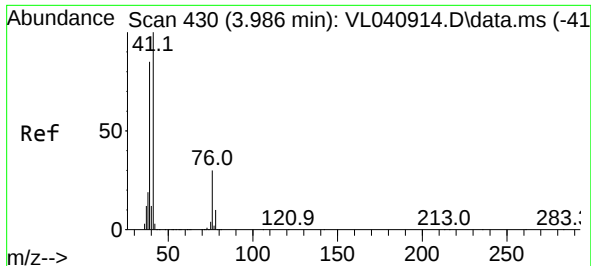
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#20
Methylene Chloride
Concen: 2.072 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion: 84 Resp: 116581
Ion Ratio Lower Upper
84 100
49 148.2 124.6 187.0
51 47.5 37.2 55.8
86 63.5 53.4 80.0





#21

Allyl Chloride

Concen: 2.269 ppbv

RT: 3.986 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 41 Resp: 209558

Ion Ratio Lower Upper

41 100

76 31.0 23.9 35.9

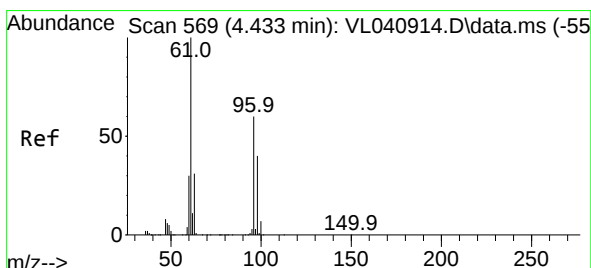
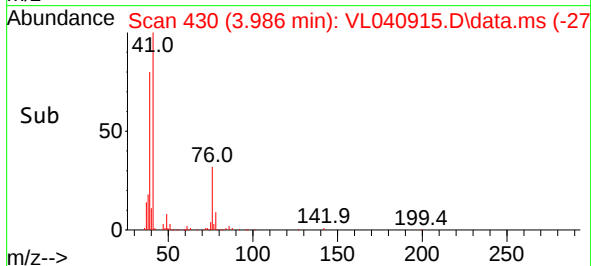
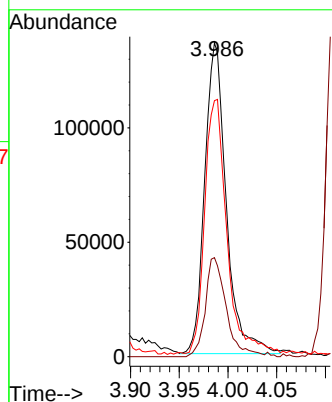
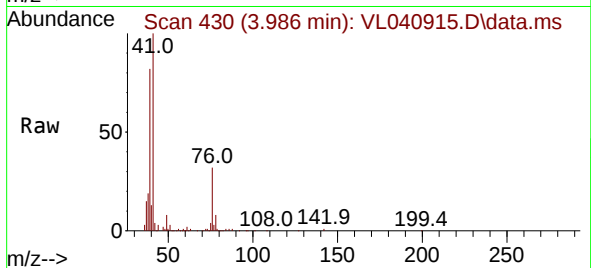
39 86.0 66.5 99.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#22

trans-1,2-Dichloroethene

Concen: 2.078 ppbv

RT: 4.430 min Scan# 568

Delta R.T. -0.003 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

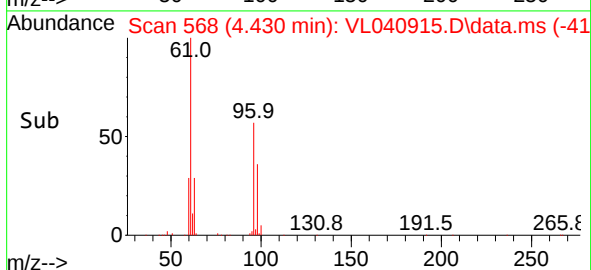
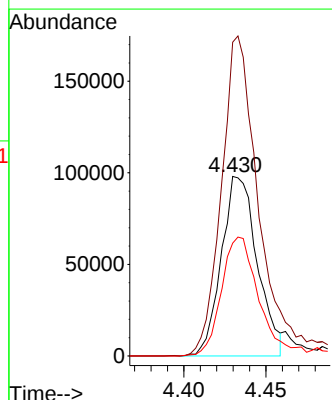
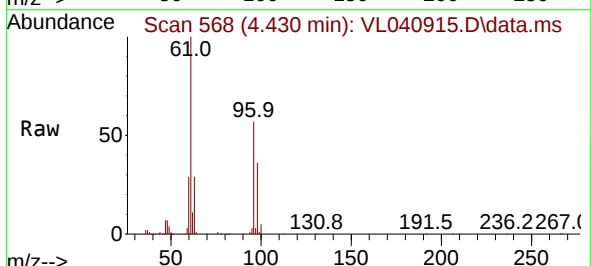
Tgt Ion: 96 Resp: 148949

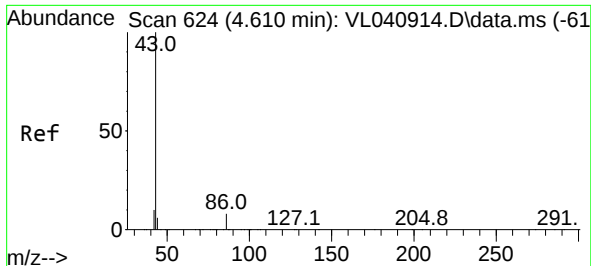
Ion Ratio Lower Upper

96 100

61 174.8 133.0 199.6

98 62.9 53.7 80.5





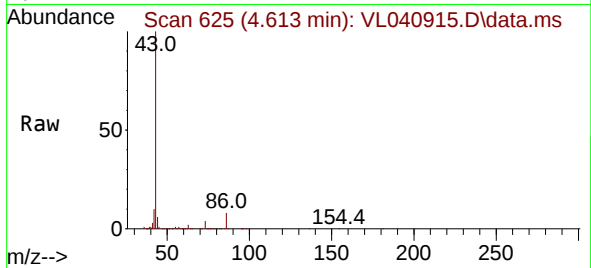
#23
 Vinyl Acetate
 Concen: 2.047 ppbv
 RT: 4.613 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL040915.D
 Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

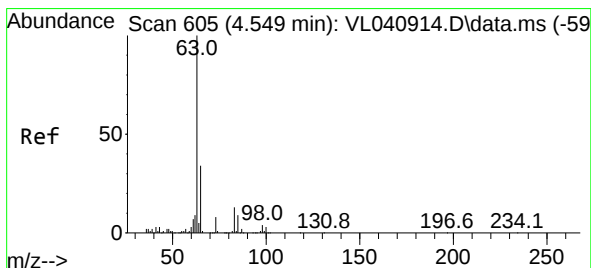
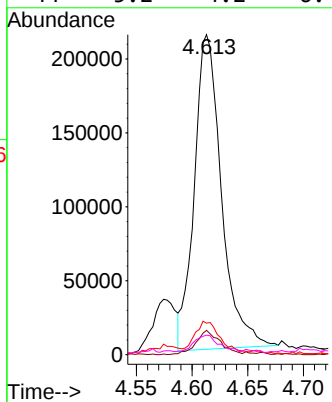
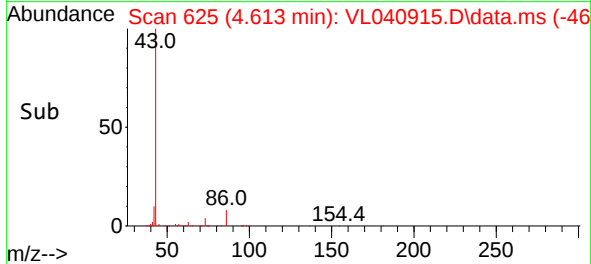


Tgt Ion: 43 Resp: 361479
 Ion Ratio Lower Upper
 43 100
 86 7.6 5.5 8.3
 42 9.6 8.4 12.6
 44 5.2 4.2 6.4

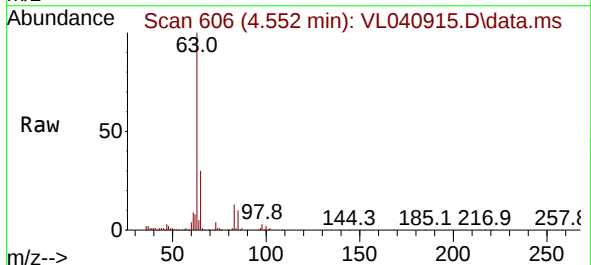
Manual Integrations

APPROVED

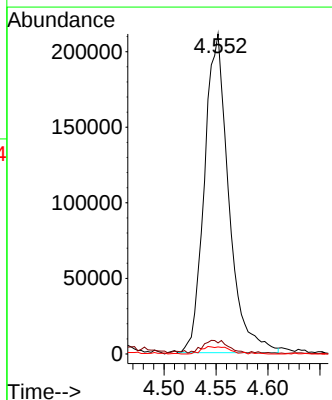
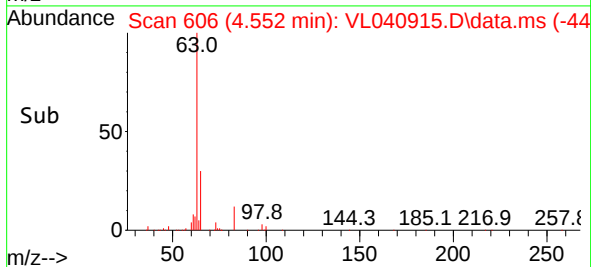
Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023

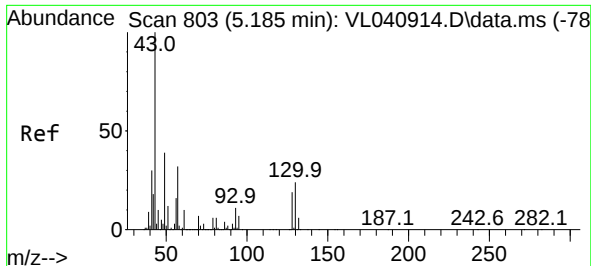


#24
 1,1-Dichloroethane
 Concen: 2.226 ppbv
 RT: 4.552 min Scan# 606
 Delta R.T. 0.003 min
 Lab File: VL040915.D
 Acq: 20 Dec 2023 11:48



Tgt Ion: 63 Resp: 343228
 Ion Ratio Lower Upper
 63 100
 98 3.3 2.1 6.5
 100 2.2 1.4 4.2





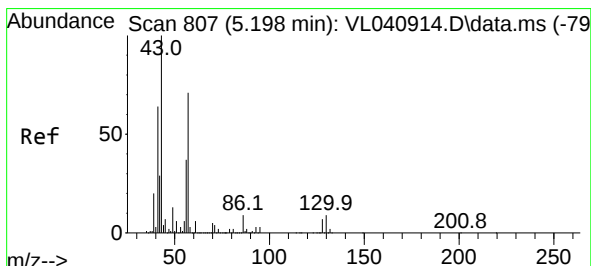
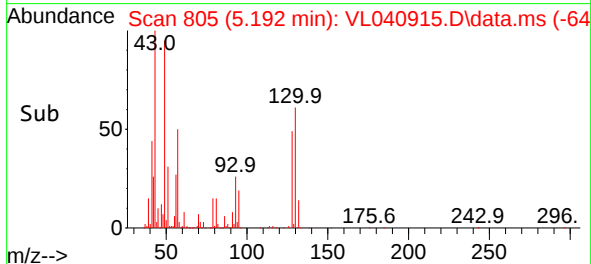
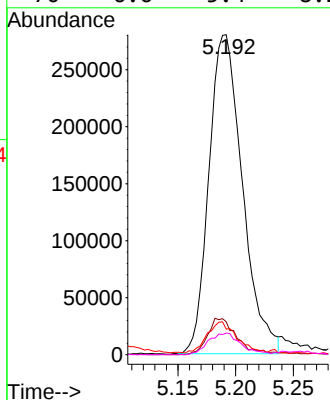
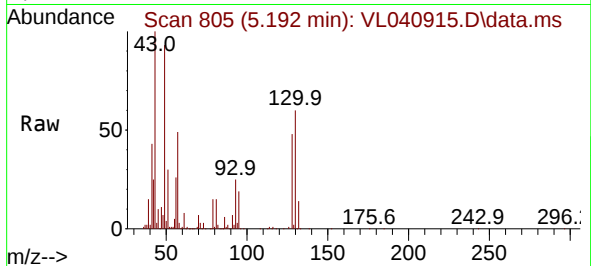
#25
Ethyl Acetate
Concen: 2.088 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.006 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 43 Resp: 565230
Ion Ratio Lower Upper
43 100
45 10.7 8.2 12.2
61 10.9 7.6 11.4
70 6.6 5.4 8.2

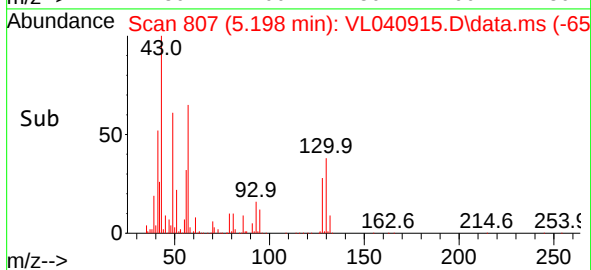
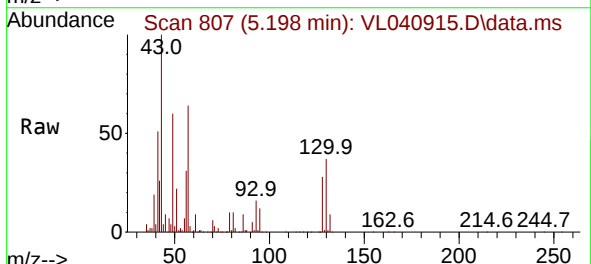
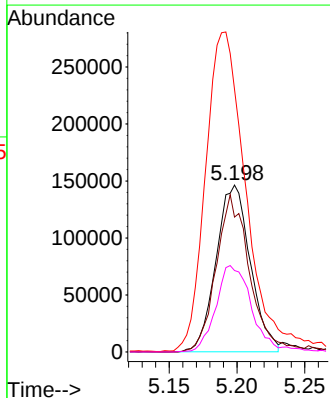
Manual Integrations
APPROVED

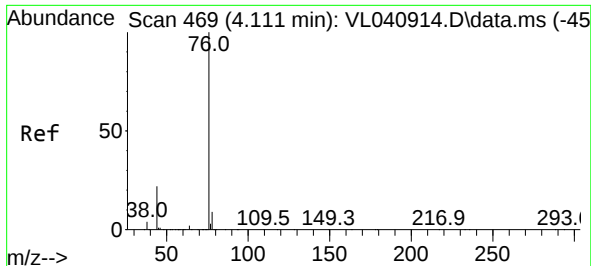
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#26
Hexane
Concen: 2.123 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

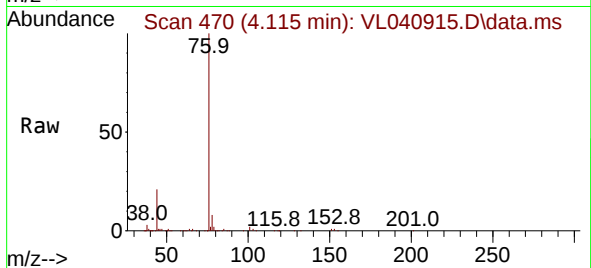
Tgt Ion: 57 Resp: 256567
Ion Ratio Lower Upper
57 100
41 95.0 75.2 112.8
43 233.1 188.0 282.0
56 55.3 42.3 63.5





#27
Carbon Disulfide
Concen: 2.345 ppbv
RT: 4.115 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

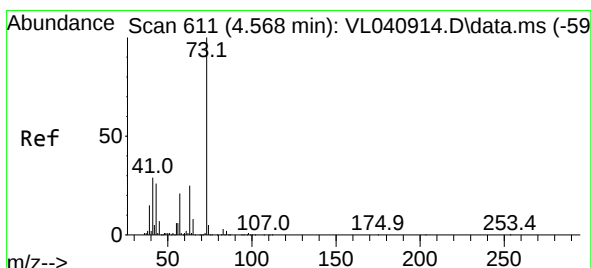
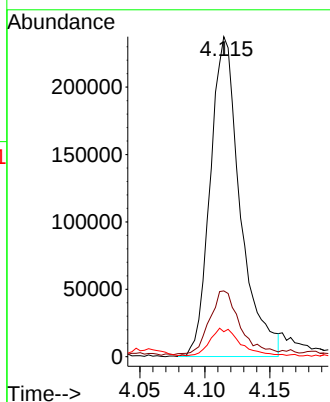
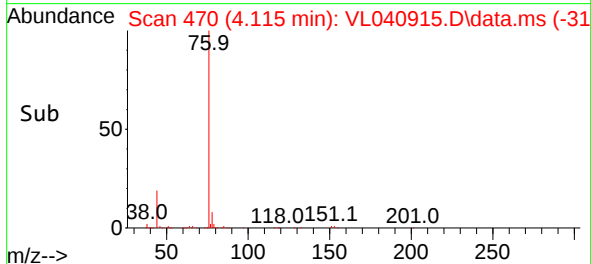
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 76 Resp: 38082
Ion Ratio Lower Upper
76 100
44 21.2 18.4 27.6
78 10.1 7.9 11.9

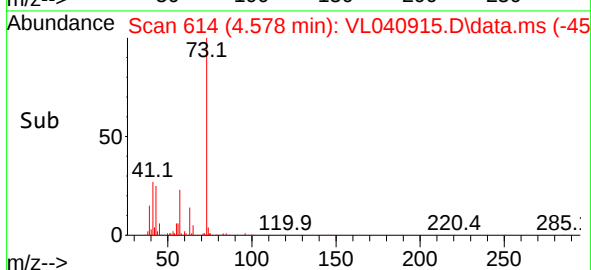
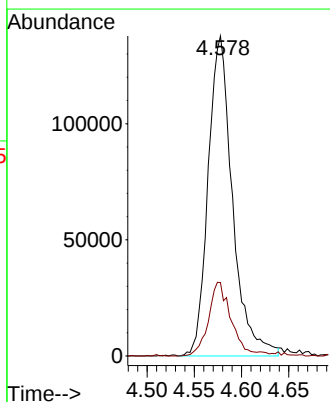
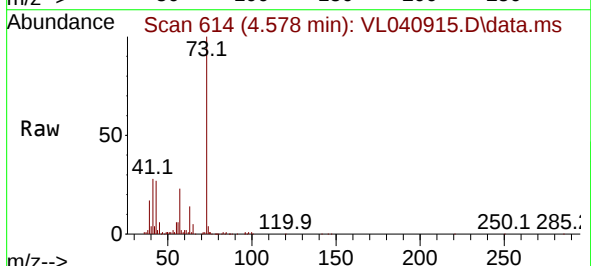
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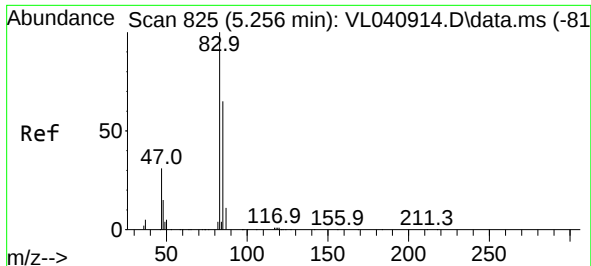
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#28
Methyl tert-Butyl Ether
Concen: 2.216 ppbv
RT: 4.578 min Scan# 614
Delta R.T. 0.010 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion: 73 Resp: 246667
Ion Ratio Lower Upper
73 100
57 22.3 18.0 27.0





#29

Chloroform

Concen: 2.151 ppbv

RT: 5.256 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 83 Resp: 43557

Ion Ratio Lower Upper

83 100

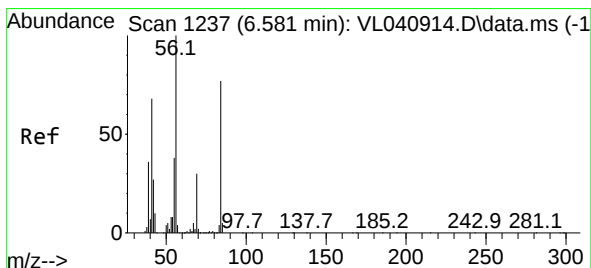
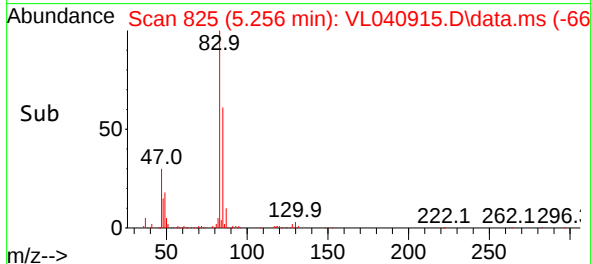
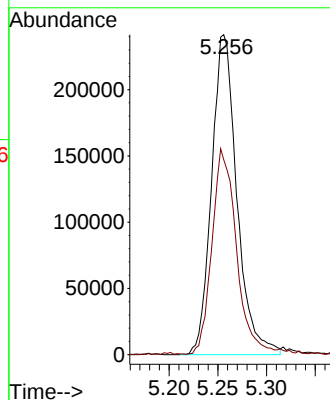
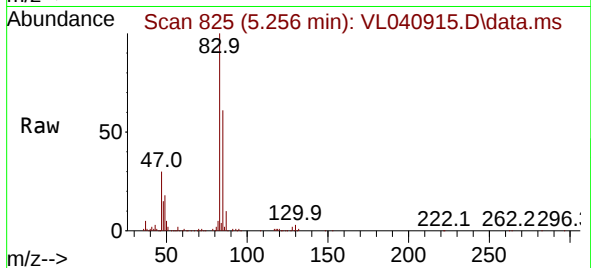
85 60.7 52.3 78.5

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Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#30

Cyclohexane

Concen: 2.142 ppbv

RT: 6.578 min Scan# 1236

Delta R.T. -0.003 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

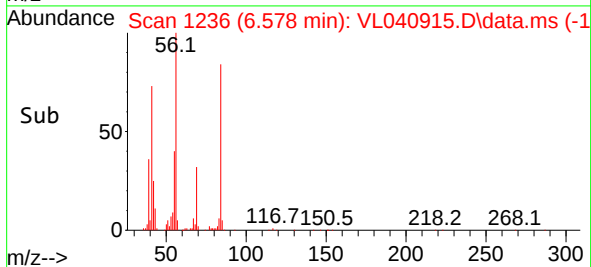
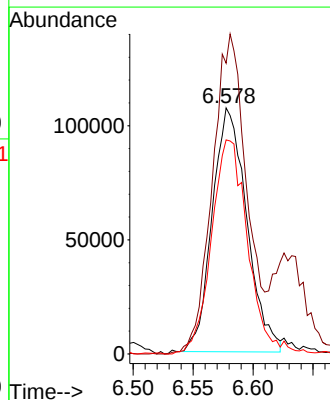
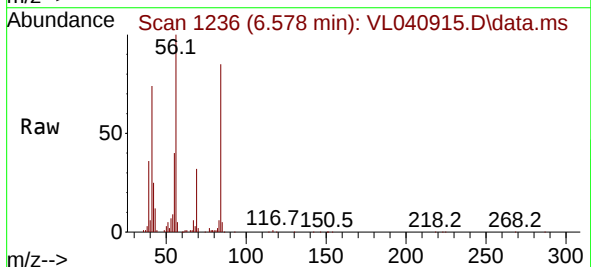
Tgt Ion: 84 Resp: 214238

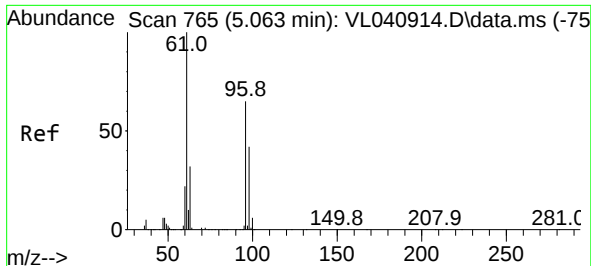
Ion Ratio Lower Upper

84 100

56 171.3 111.4 167.2#

41 91.7 70.0 105.0





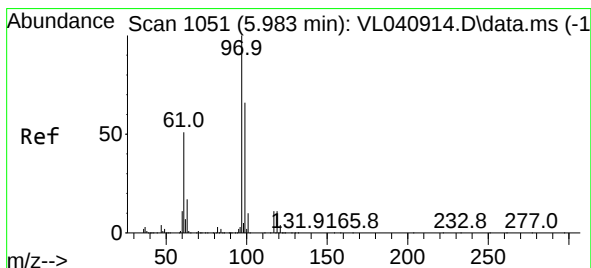
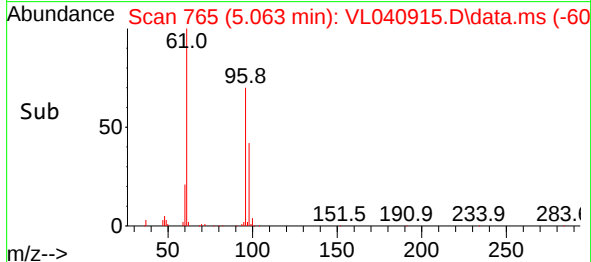
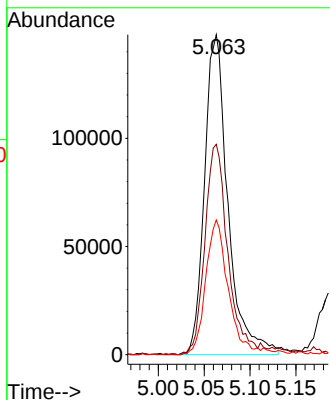
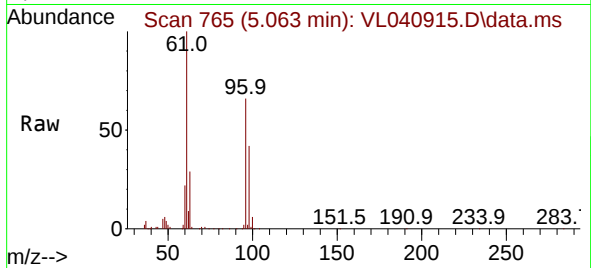
#31
 cis-1,2-Dichloroethene
 Concen: 2.128 ppbv
 RT: 5.063 min Scan# 765
 Delta R.T. 0.000 min
 Lab File: VL040915.D
 Acq: 20 Dec 2023 11:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 61 Resp: 262209
 Ion Ratio Lower Upper
 61 100
 96 65.7 51.7 77.5
 98 42.1 33.2 49.8

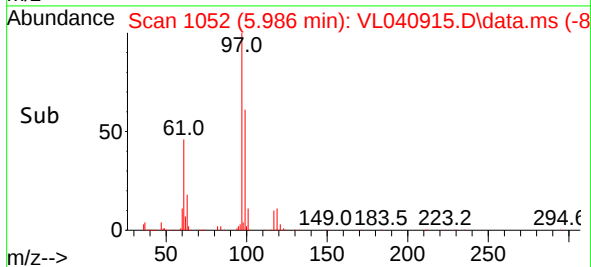
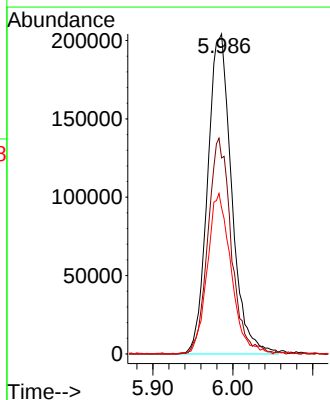
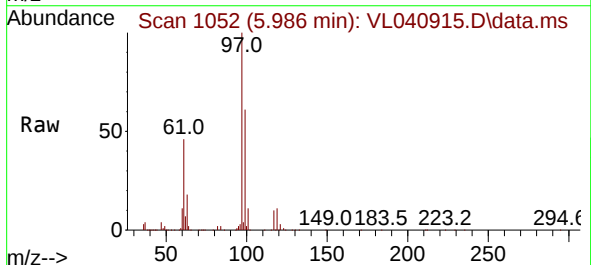
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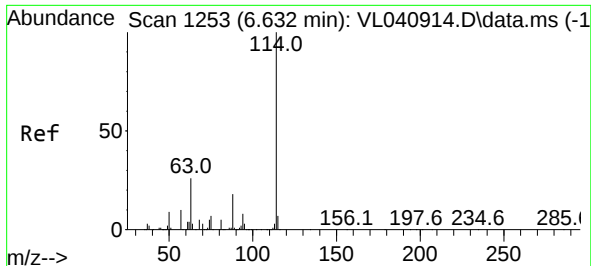
Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023



#32
 1,1,1-Trichloroethane
 Concen: 2.210 ppbv
 RT: 5.986 min Scan# 1052
 Delta R.T. 0.003 min
 Lab File: VL040915.D
 Acq: 20 Dec 2023 11:48

Tgt Ion: 97 Resp: 426373
 Ion Ratio Lower Upper
 97 100
 99 66.0 51.8 77.6
 61 49.9 41.0 61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:114 Resp: 327363

Ion Ratio Lower Upper

114 100

63 26.0 21.0 31.6

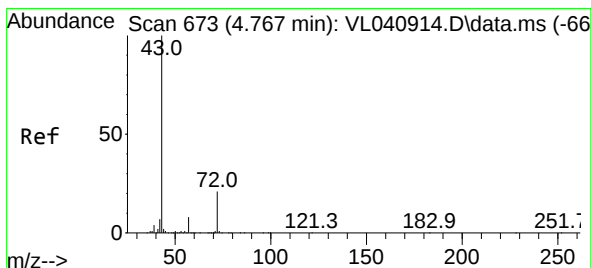
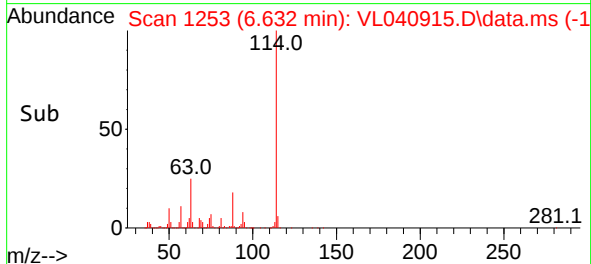
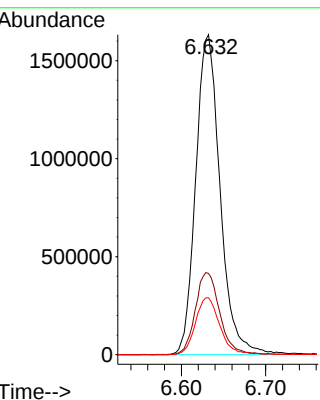
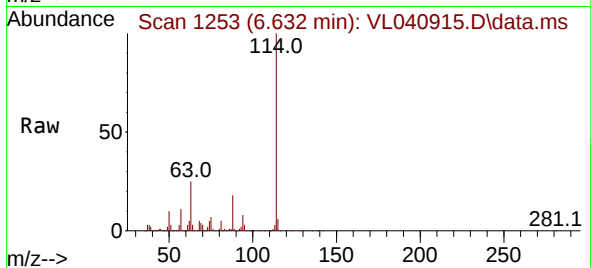
88 18.0 14.3 21.5

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Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#34

2-Butanone

Concen: 2.104 ppbv

RT: 4.774 min Scan# 675

Delta R.T. 0.006 min

Lab File: VL040915.D

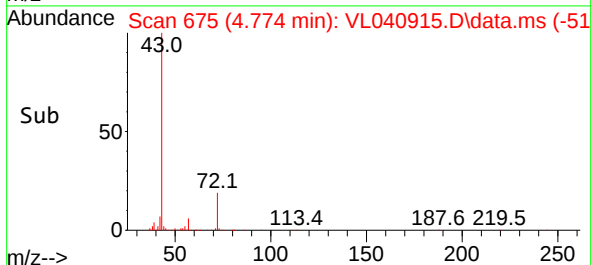
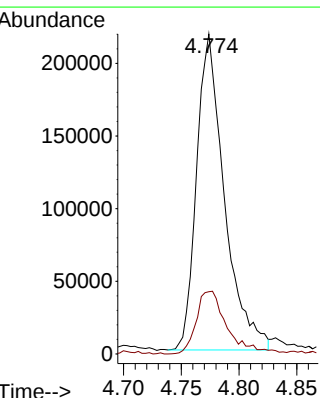
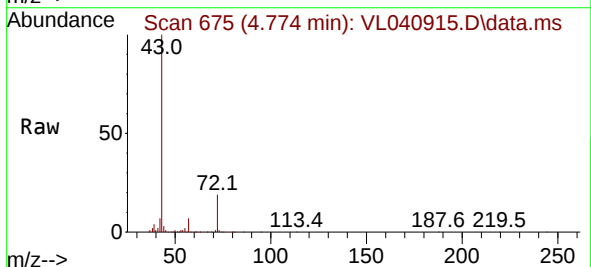
Acq: 20 Dec 2023 11:48

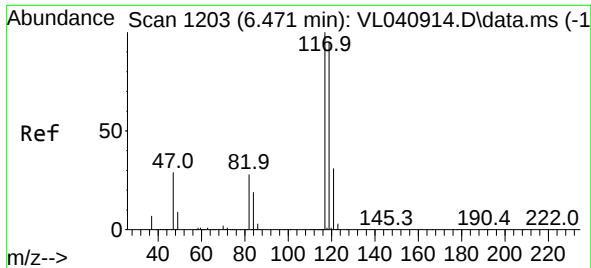
Tgt Ion: 43 Resp: 364402

Ion Ratio Lower Upper

43 100

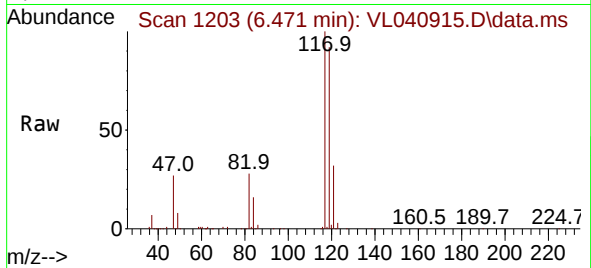
72 21.9 17.2 25.8





#35
Carbon Tetrachloride
Concen: 2.151 ppbv
RT: 6.471 min Scan# 117
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

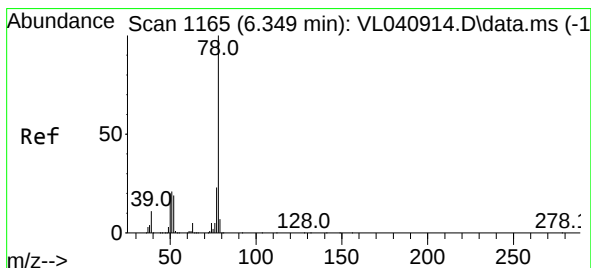
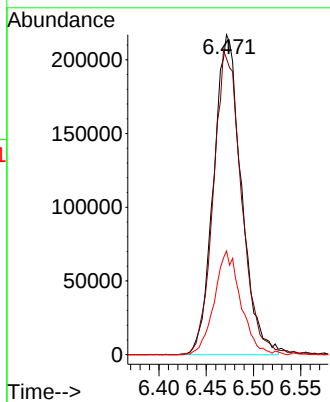
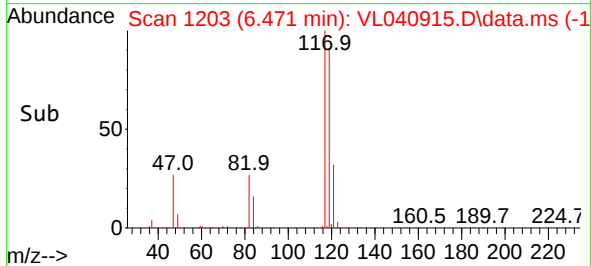
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



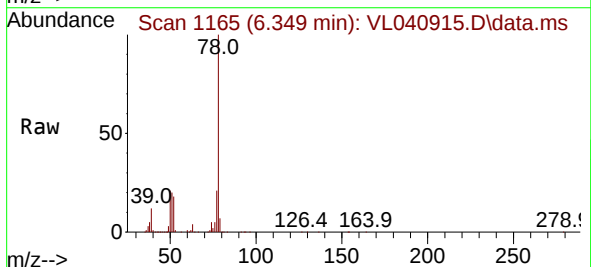
Tgt Ion: 117 Resp: 442760
Ion Ratio Lower Upper
117 100
119 92.5 76.3 114.5
121 32.4 24.9 37.3

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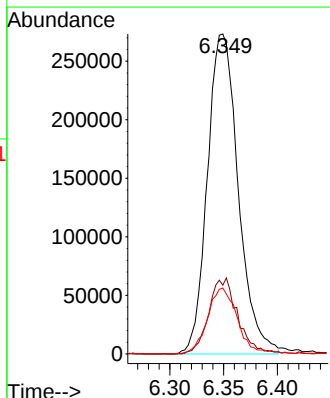
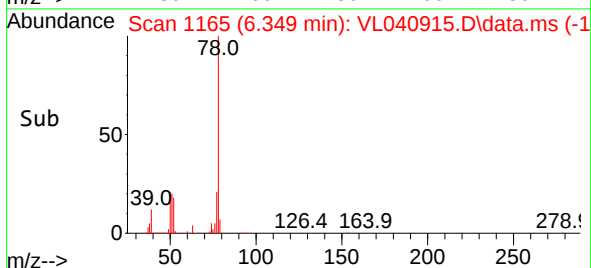
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

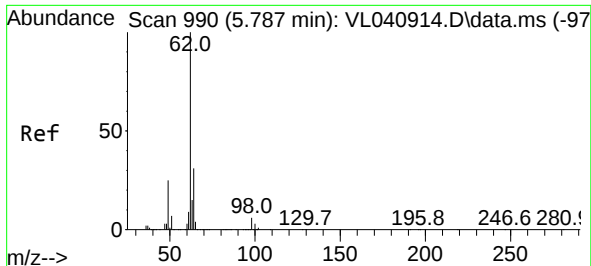


#36
Benzene
Concen: 2.136 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48



Tgt Ion: 78 Resp: 546505
Ion Ratio Lower Upper
78 100
77 21.2 18.4 27.6
50 20.5 16.0 24.0





#37

1,2-Dichloroethane

Concen: 2.066 ppbv

RT: 5.787 min Scan# 990

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 62 Resp: 31680

Ion Ratio Lower Upper

62 100

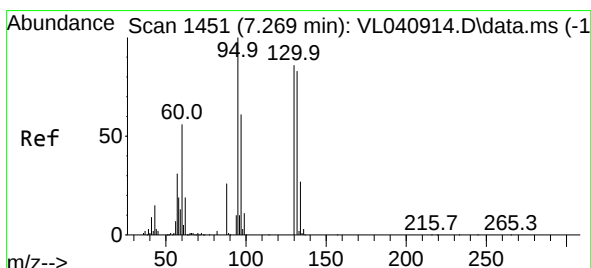
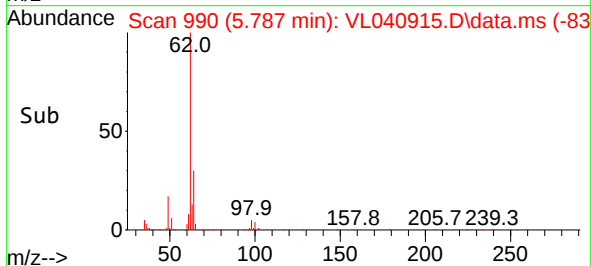
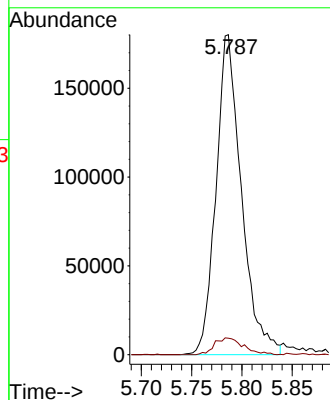
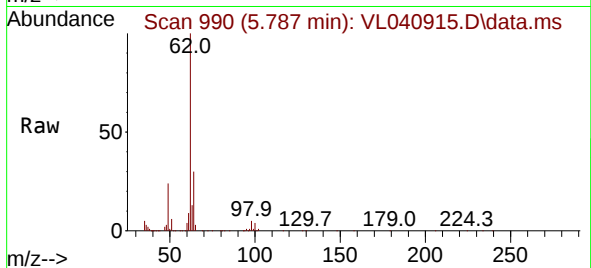
98 5.9 4.6 7.0

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Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#38

Trichloroethene

Concen: 2.102 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Tgt Ion:130 Resp: 206857

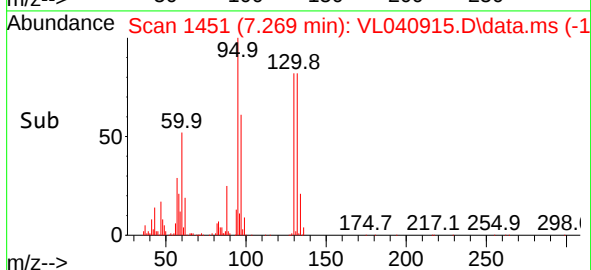
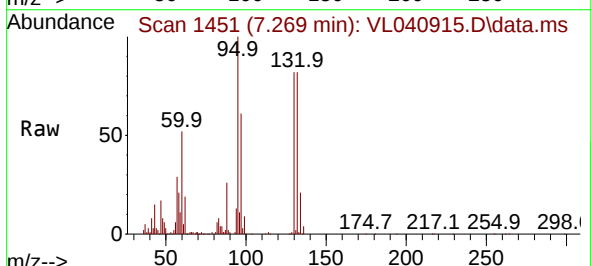
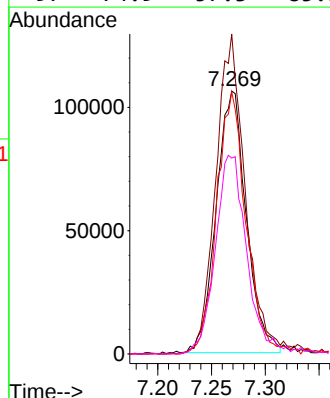
Ion Ratio Lower Upper

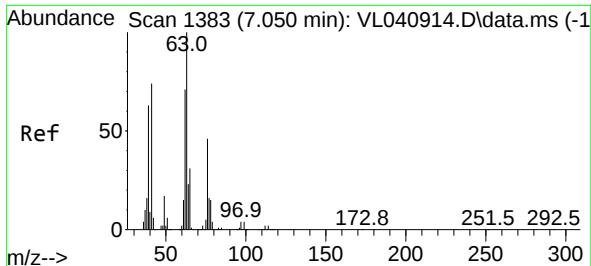
130 100

95 121.8 93.5 140.3

132 100.2 77.4 116.2

97 74.9 57.3 85.9





#39

1,2-Dichloropropane

Concen: 2.001 ppbv

RT: 7.050 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

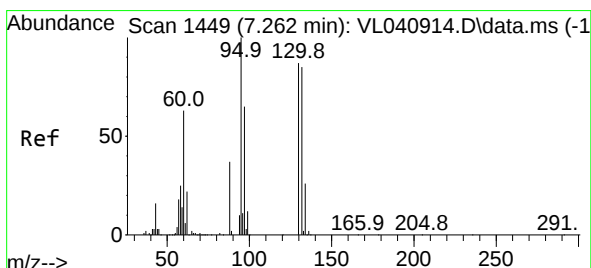
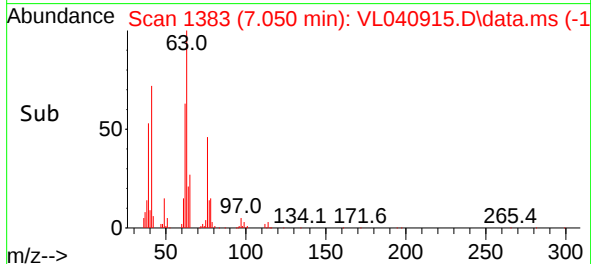
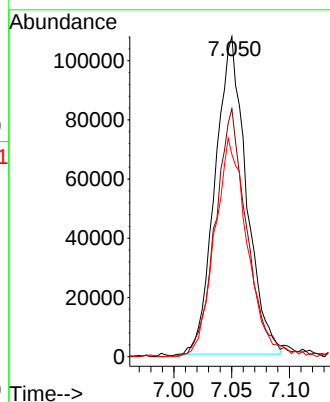
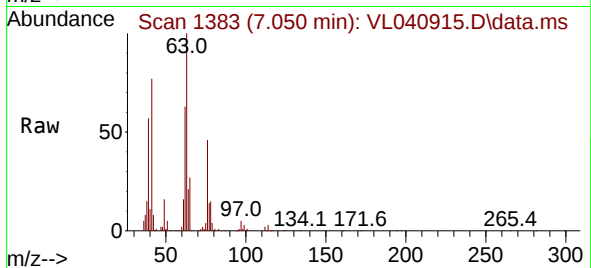
Tgt Ion: 63 Resp: 201834

Ion	Ratio	Lower	Upper
63	100		
41	77.7	59.0	88.6
62	63.6	56.6	85.0

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



#40

1,4-Dioxane

Concen: 2.049 ppbv m

RT: 7.282 min Scan# 1455

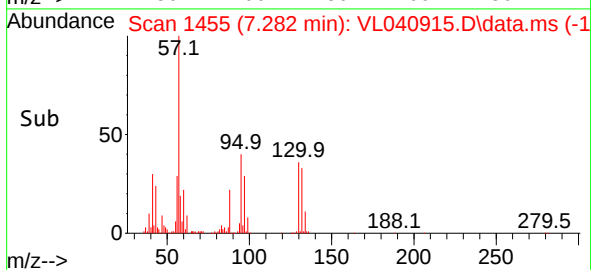
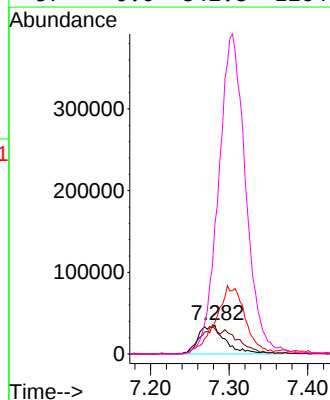
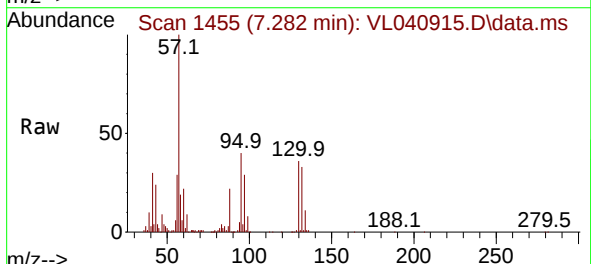
Delta R.T. 0.019 min

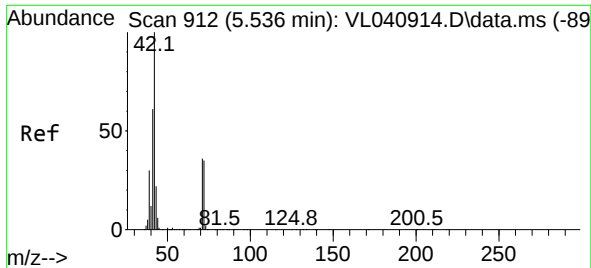
Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Tgt Ion: 88 Resp: 85512

Ion	Ratio	Lower	Upper
88	100		
58	0.0	97.3	145.9#
43	0.0	200.6	300.8#
57	0.0	842.8	1264.2#





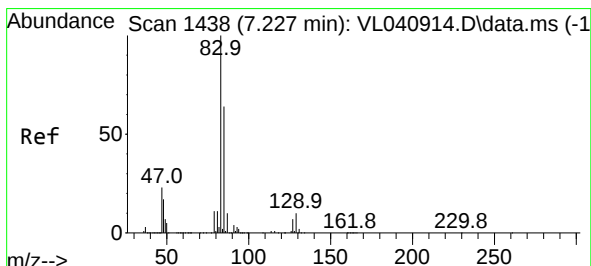
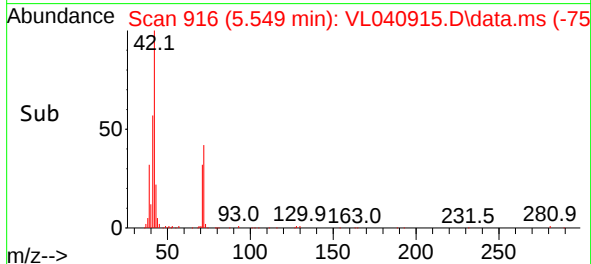
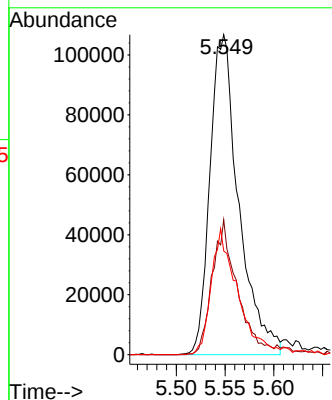
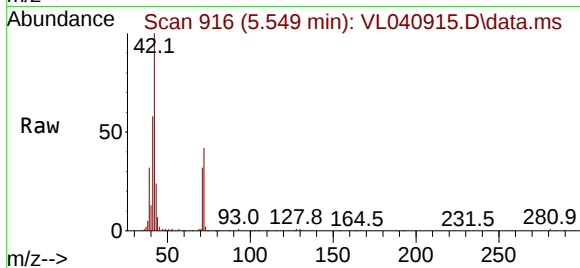
#41
Tetrahydrofuran
Concen: 2.086 ppbv
RT: 5.549 min Scan# 916
Delta R.T. 0.013 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 42 Resp: 21920
Ion Ratio Lower Upper
42 100
72 38.7 29.6 44.4
71 37.5 29.1 43.7

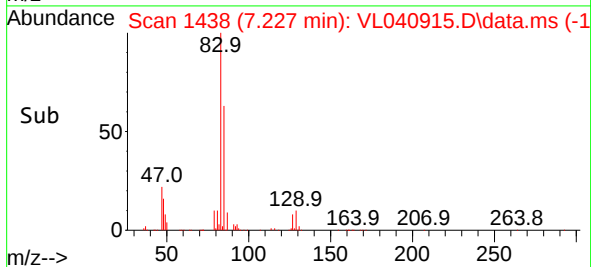
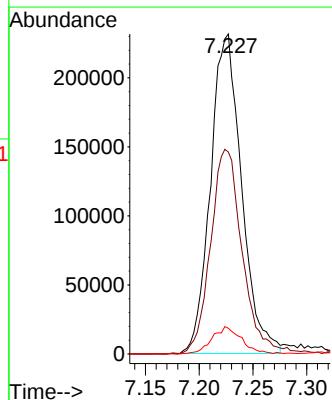
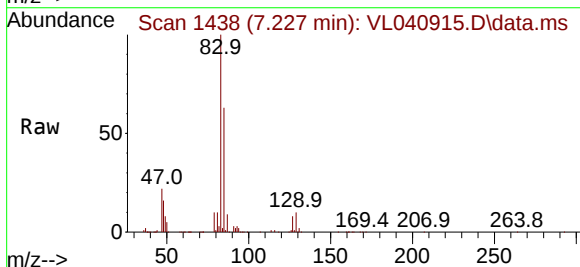
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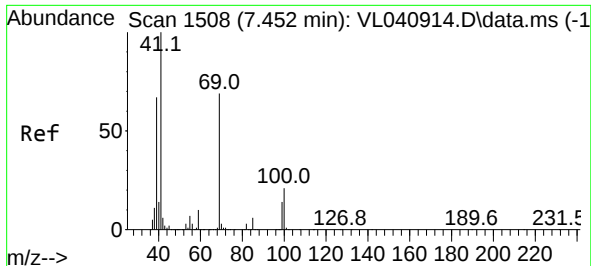
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#42
Bromodichloromethane
Concen: 2.103 ppbv
RT: 7.227 min Scan# 1438
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

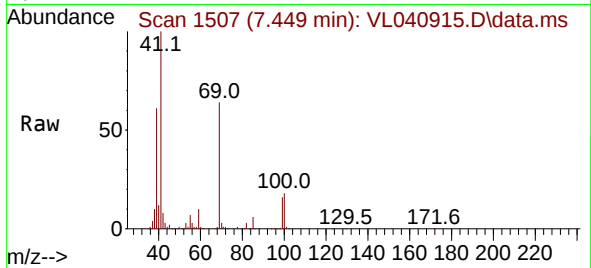
Tgt Ion: 83 Resp: 465084
Ion Ratio Lower Upper
83 100
85 63.0 51.4 77.0
127 8.1 5.9 8.9





#43
Methyl Methacrylate
Concen: 2.074 ppbv
RT: 7.449 min Scan# 1507
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

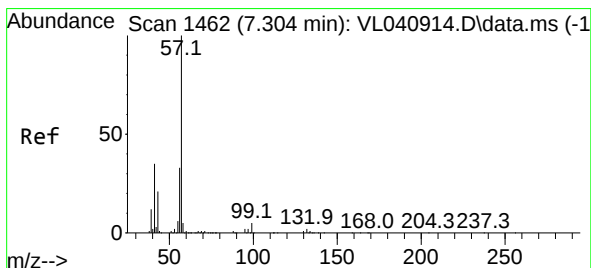
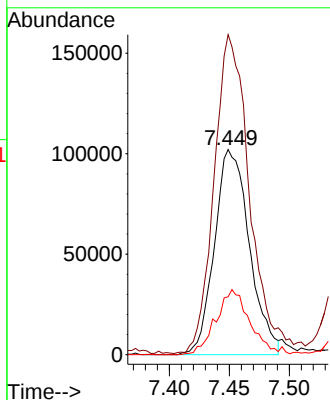
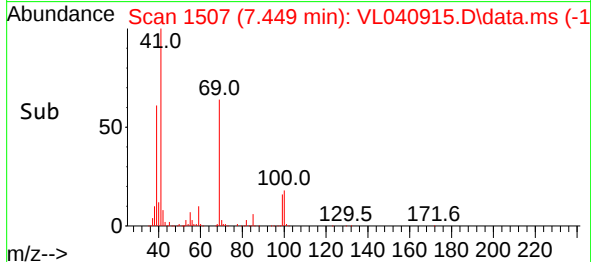
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 69 Resp: 206930
Ion Ratio Lower Upper
69 100
41 158.6 119.9 179.9
100 31.1 25.1 37.7

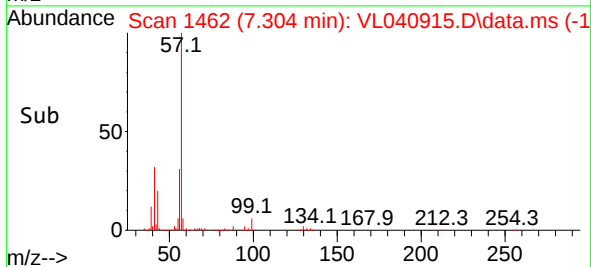
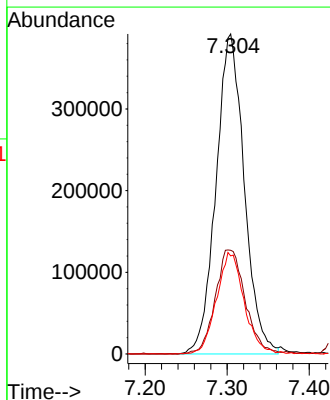
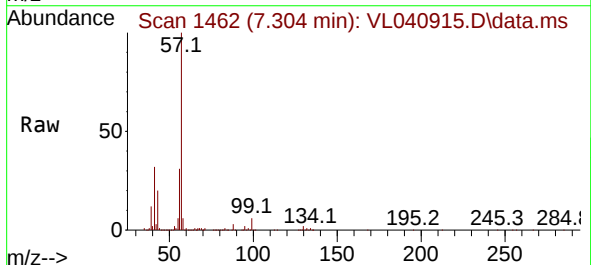
Manual Integrations
APPROVED

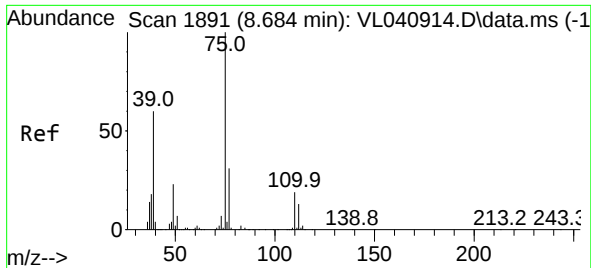
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#44
2,2,4-Trimethylpentane
Concen: 2.159 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

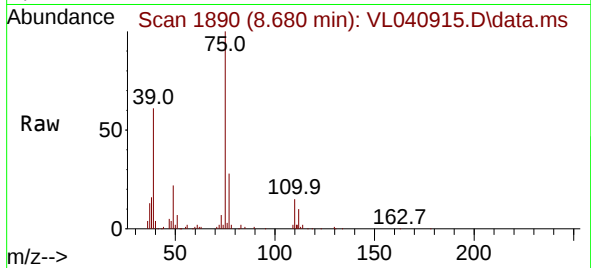
Tgt Ion: 57 Resp: 938474
Ion Ratio Lower Upper
57 100
41 34.7 28.2 42.4
56 31.1 25.3 37.9





#45
t-1,3-Dichloropropene
Concen: 2.027 ppbv
RT: 8.680 min Scan# 1891
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

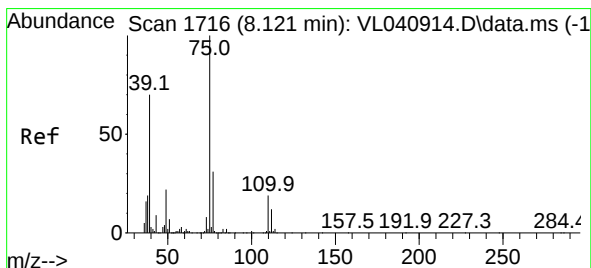
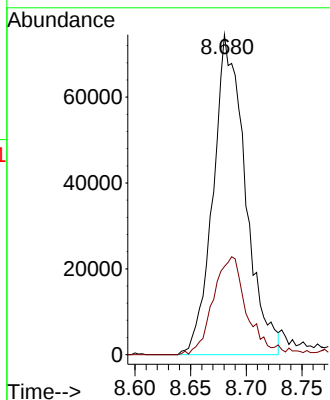
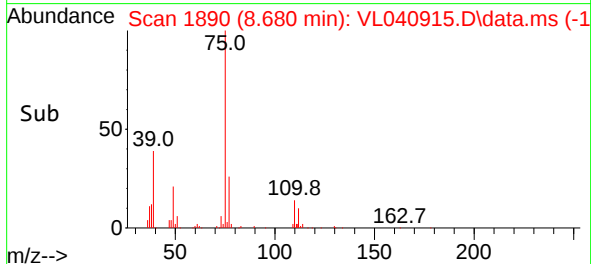
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



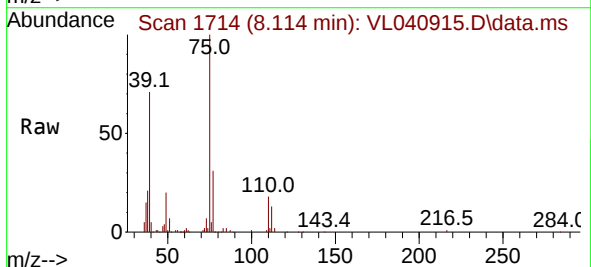
Tgt Ion: 75 Resp: 14995
Ion Ratio Lower Upper
75 100
77 27.5 24.8 37.2

Manual Integrations
APPROVED

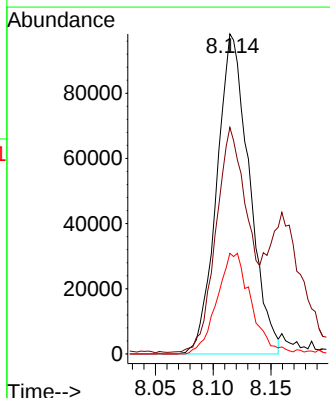
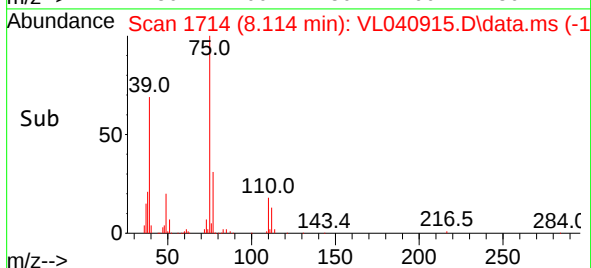
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

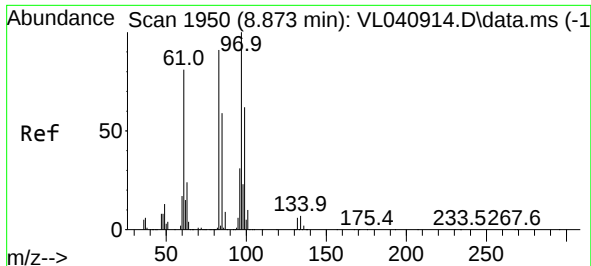


#46
cis-1,3-Dichloropropene
Concen: 2.088 ppbv
RT: 8.114 min Scan# 1714
Delta R.T. -0.006 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48



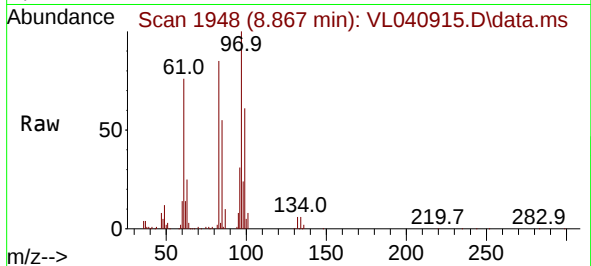
Tgt Ion: 75 Resp: 192361
Ion Ratio Lower Upper
75 100
39 70.1 56.2 84.4
77 31.4 24.5 36.7





#47
1,1,2-Trichloroethane
Concen: 2.093 ppbv
RT: 8.867 min Scan# 1950
Delta R.T. -0.006 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

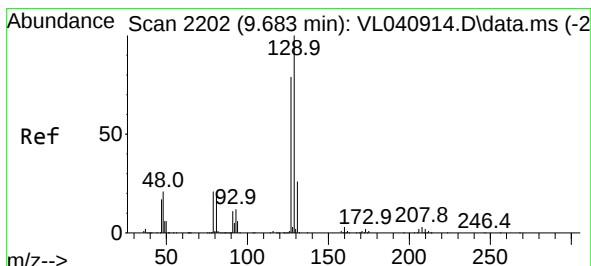
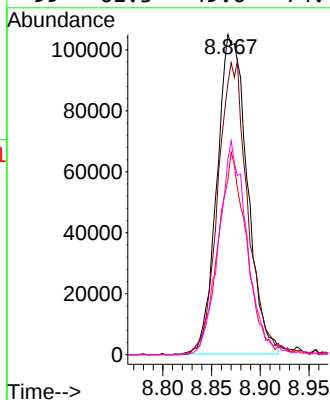
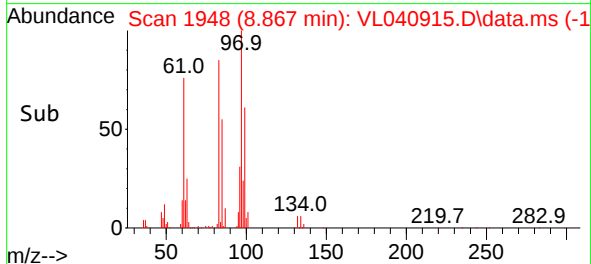
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



Tgt Ion: 97 Resp: 225880
Ion Ratio Lower Upper
97 100
83 85.1 72.6 108.8
85 55.6 47.4 71.0
99 61.3 49.6 74.4

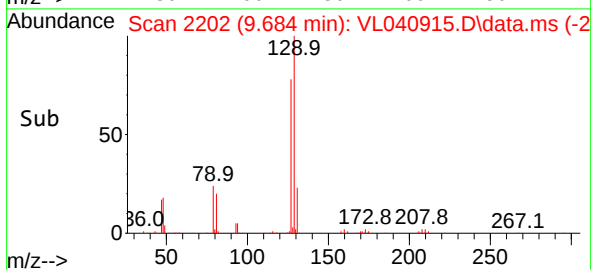
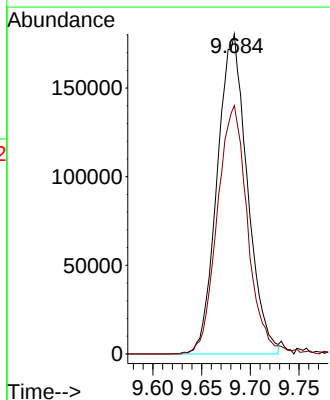
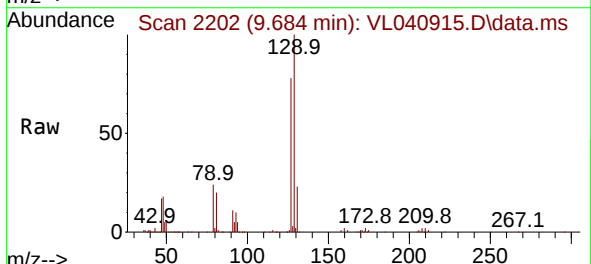
Manual Integrations
APPROVED

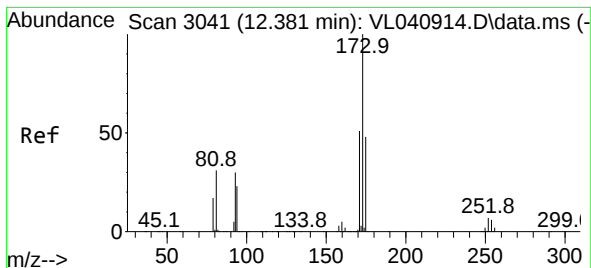
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#48
Dibromochloromethane
Concen: 2.126 ppbv
RT: 9.684 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion:129 Resp: 387432
Ion Ratio Lower Upper
129 100
127 78.8 39.6 119.0





#49

Bromoform

Concen: 2.136 ppbv m

RT: 12.372 min Scan# 3041

Delta R.T. -0.010 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

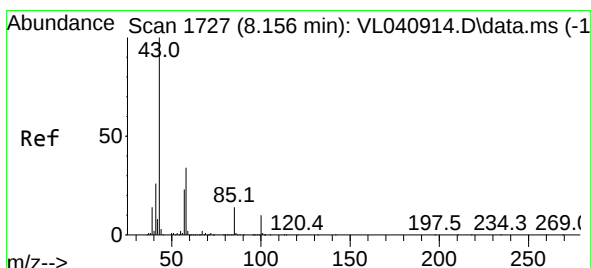
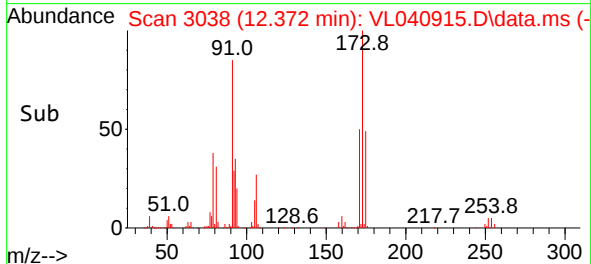
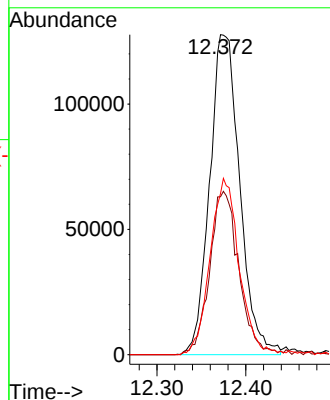
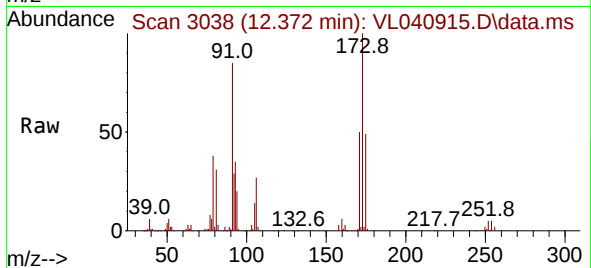
VSTDICC002

Tgt Ion:173	Resp: 301234
Ion Ratio	Lower Upper
173	100
175	49.7 39.3 58.9
171	53.7 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: 2.150 ppbv

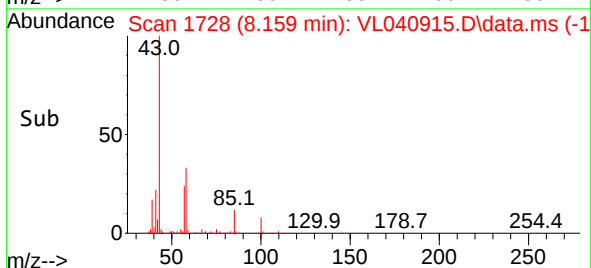
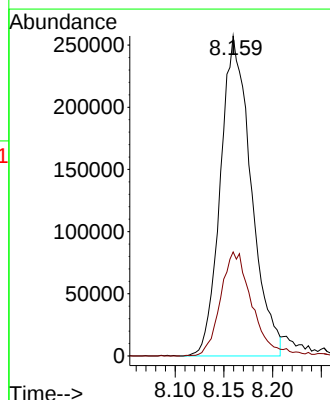
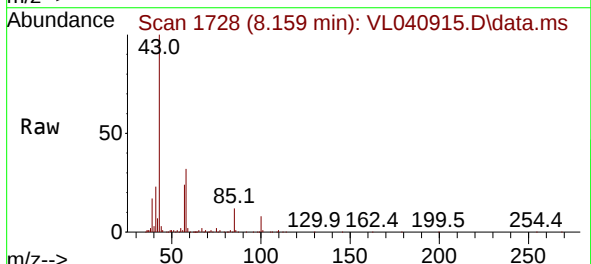
RT: 8.159 min Scan# 1728

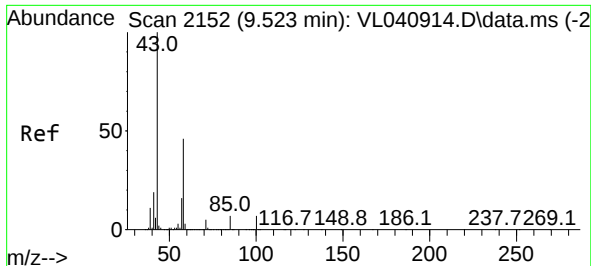
Delta R.T. 0.003 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

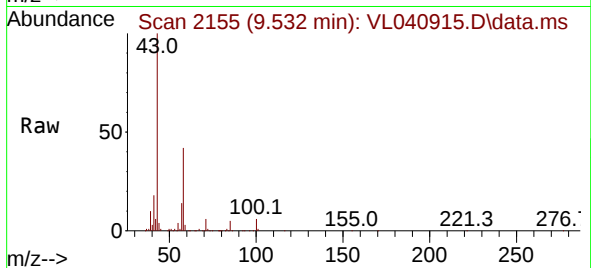
Tgt Ion: 43	Resp: 565116
Ion Ratio	Lower Upper
43	100
58	34.3 27.4 41.0





#51
2-Hexanone
Concen: 2.122 ppbv
RT: 9.532 min Scan# 2152
Delta R.T. 0.010 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

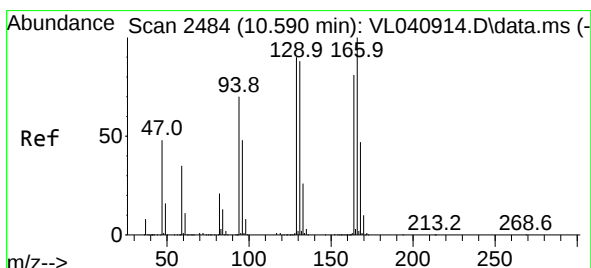
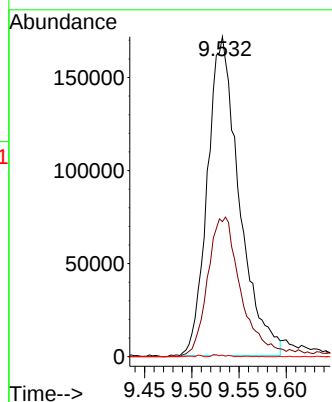
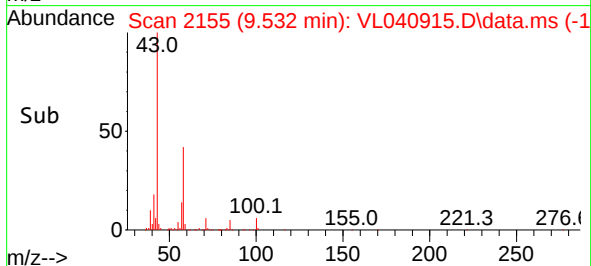
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 43 Resp: 40127
Ion Ratio Lower Upper
43 100
58 47.8 37.3 55.9
98 0.4 0.2 0.2

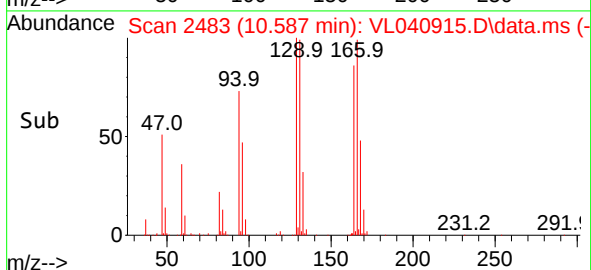
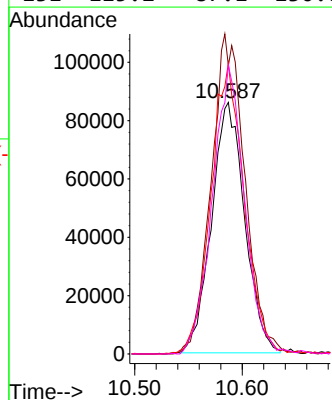
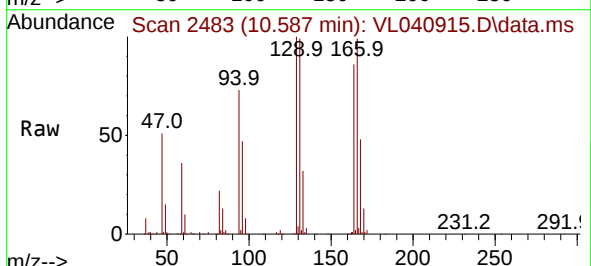
Manual Integrations
APPROVED

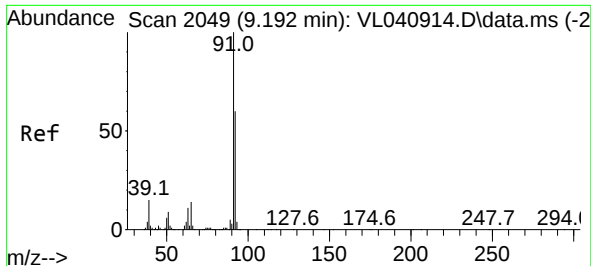
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#52
Tetrachloroethene
Concen: 2.128 ppbv
RT: 10.587 min Scan# 2483
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion:164 Resp: 183647
Ion Ratio Lower Upper
164 100
166 114.3 98.9 148.3
129 114.9 88.7 133.1
131 115.2 87.1 130.7





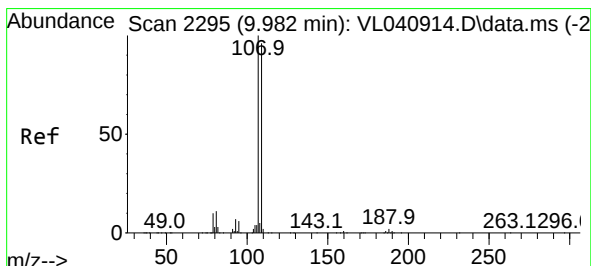
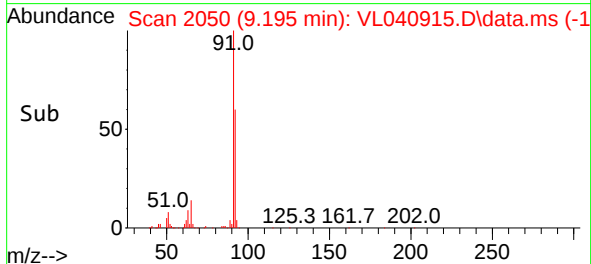
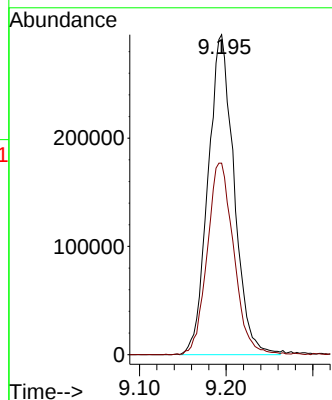
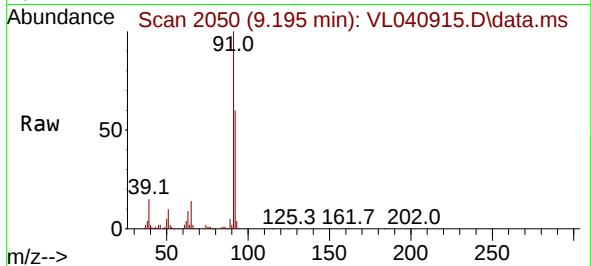
#53
Toluene
Concen: 2.153 ppbv
RT: 9.195 min Scan# 2049
Delta R.T. 0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 91 Resp: 615734
Ion Ratio Lower Upper
91 100
92 61.5 49.2 73.8

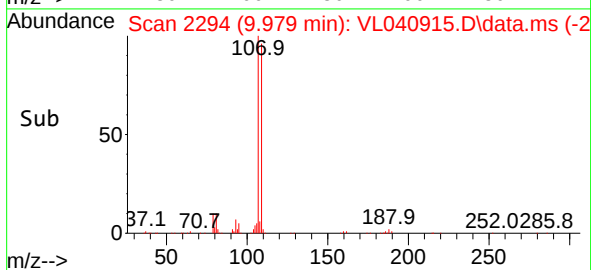
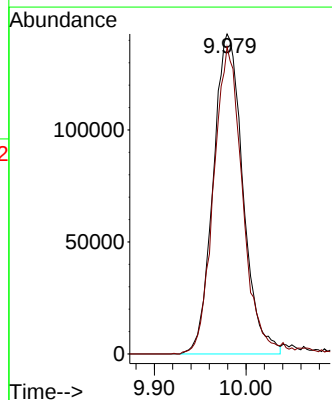
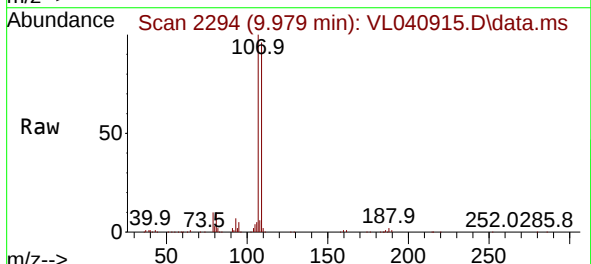
Manual Integrations
APPROVED

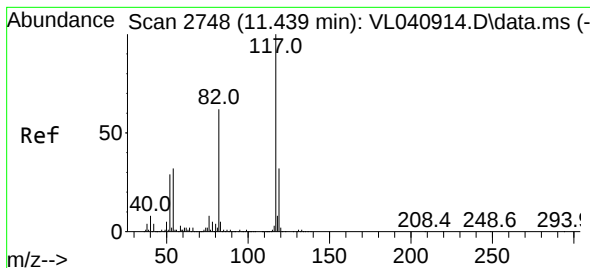
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#54
1,2-Dibromoethane
Concen: 2.183 ppbv
RT: 9.979 min Scan# 2294
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

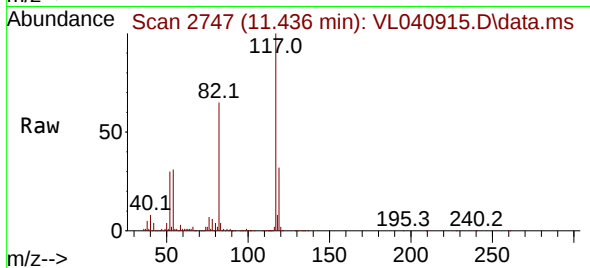
Tgt Ion:107 Resp: 321599
Ion Ratio Lower Upper
107 100
109 96.0 77.0 115.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 2748
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

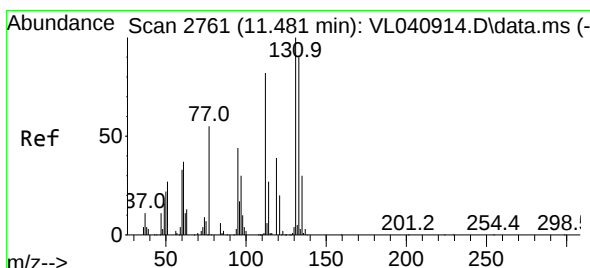
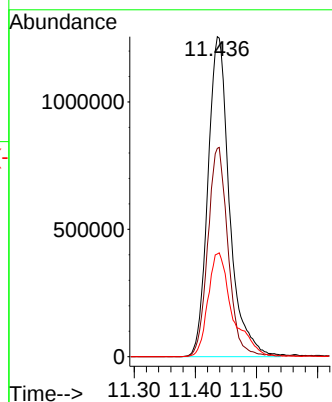
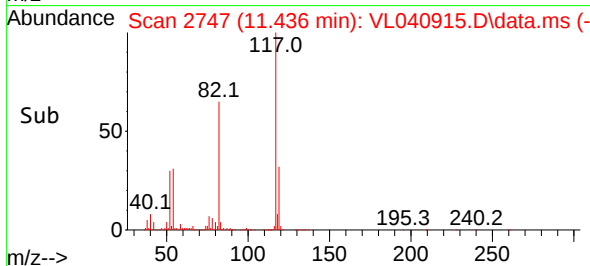
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



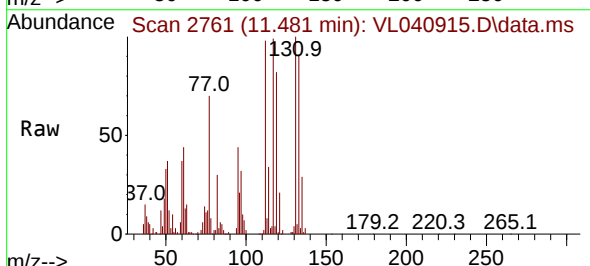
Tgt Ion:117 Resp: 308148
Ion Ratio Lower Upper
117 100
82 61.5 49.6 74.4
119 36.7 23.4 35.0

Manual Integrations
APPROVED

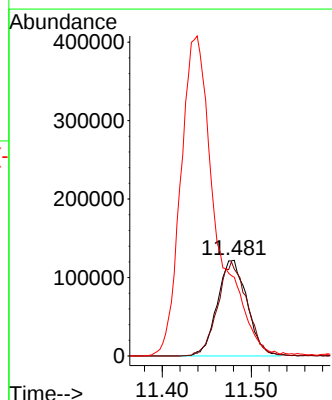
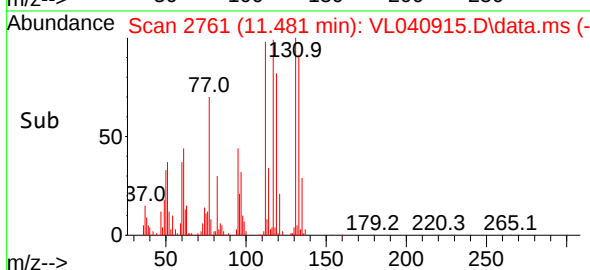
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

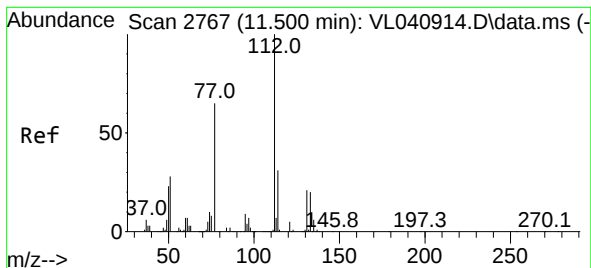


#56
1,1,1,2-Tetrachloroethane
Concen: 2.102 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48



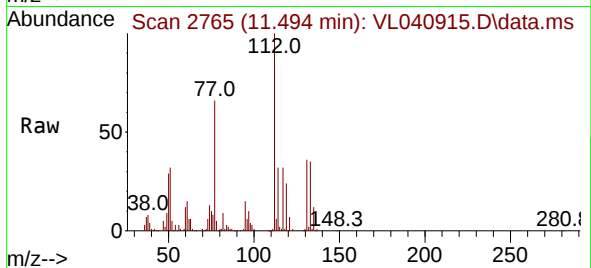
Tgt Ion:131 Resp: 283210
Ion Ratio Lower Upper
131 100
133 97.6 76.3 114.5
119 399.8 48.6 73.0





#57
Chlorobenzene
Concen: 2.161 ppbv
RT: 11.494 min Scan# 2765
Delta R.T. -0.006 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

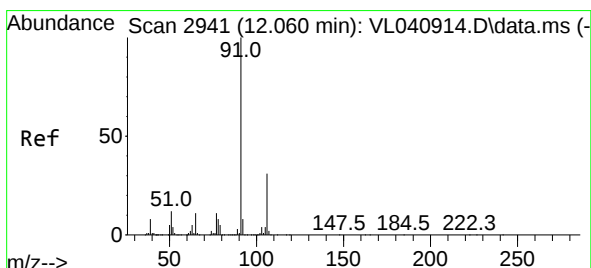
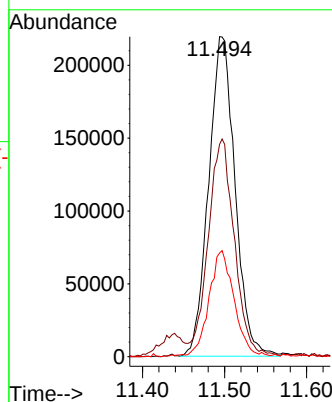
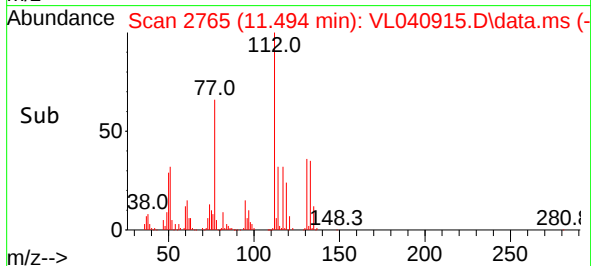
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion:112 Resp: 491558
Ion Ratio Lower Upper
112 100
77 66.1 52.7 79.1
114 32.2 28.4 34.7

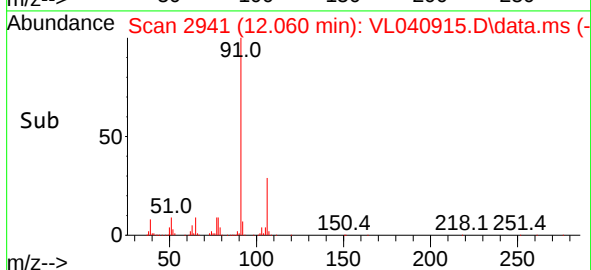
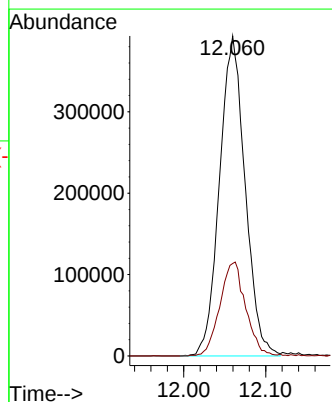
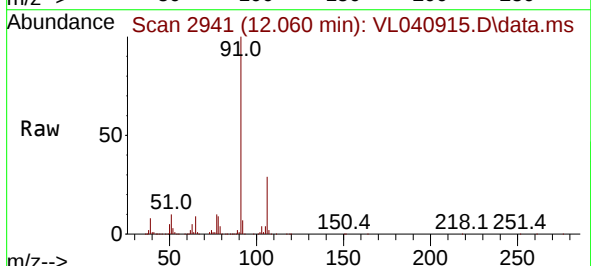
Manual Integrations
APPROVED

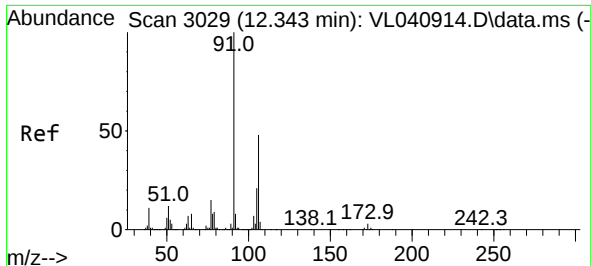
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#58
Ethyl Benzene
Concen: 2.152 ppbv
RT: 12.060 min Scan# 2941
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion: 91 Resp: 852099
Ion Ratio Lower Upper
91 100
106 28.9 24.9 37.3





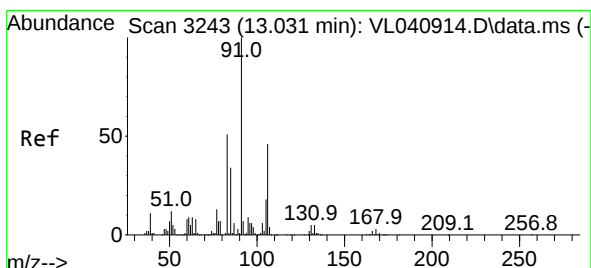
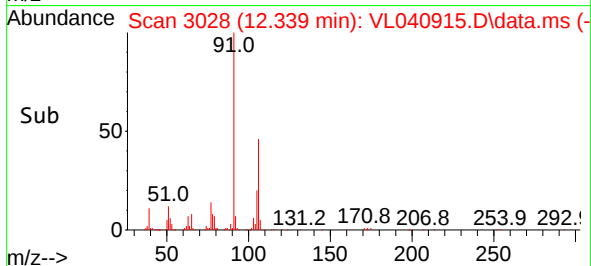
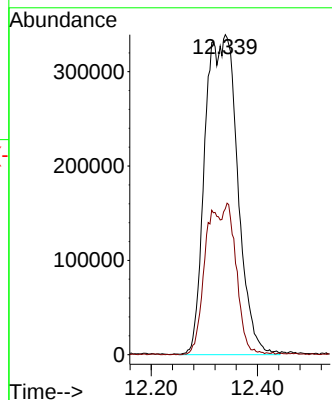
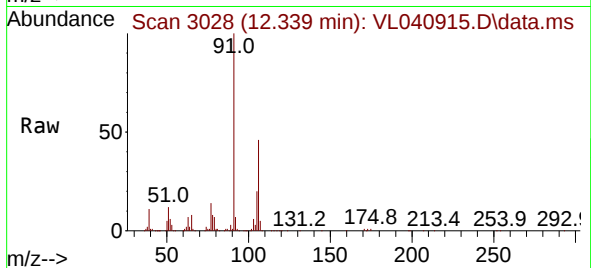
#59
m/p-Xylene
Concen: 4.288 ppbv m
RT: 12.339 min Scan# 3028
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 91 Resp: 144376
Ion Ratio Lower Upper
91 100
106 44.0 0.0 0.0

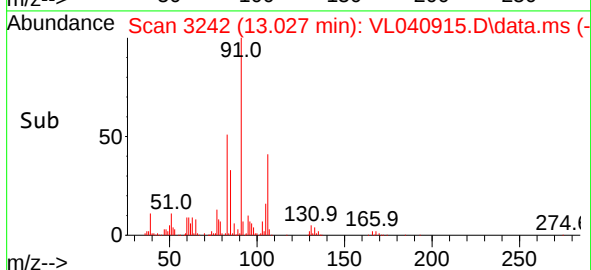
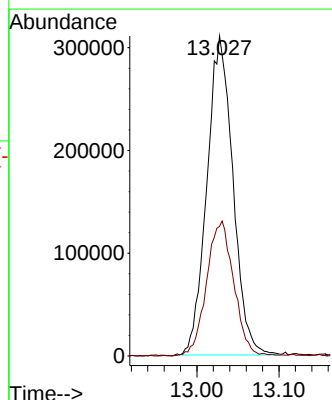
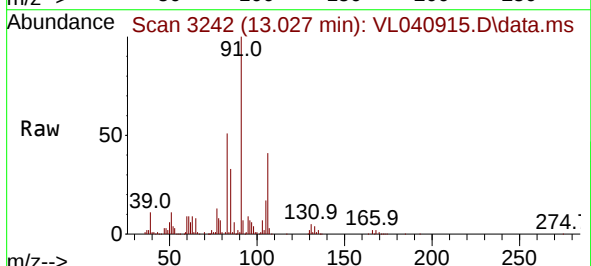
Manual Integrations
APPROVED

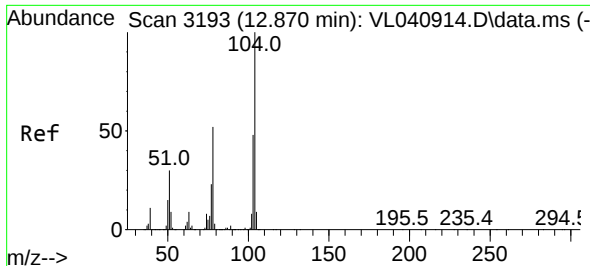
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#60
o-Xylene
Concen: 2.162 ppbv
RT: 13.027 min Scan# 3242
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

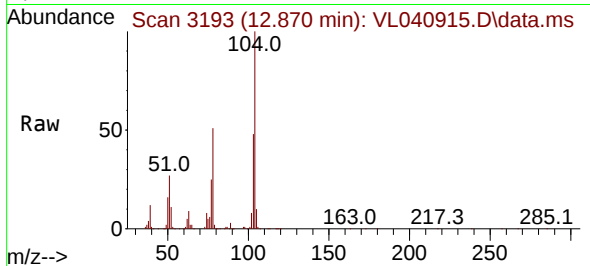
Tgt Ion: 91 Resp: 685932
Ion Ratio Lower Upper
91 100
106 44.2 22.6 67.7





#61
Styrene
Concen: 2.151 ppbv
RT: 12.870 min Scan# 3193
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

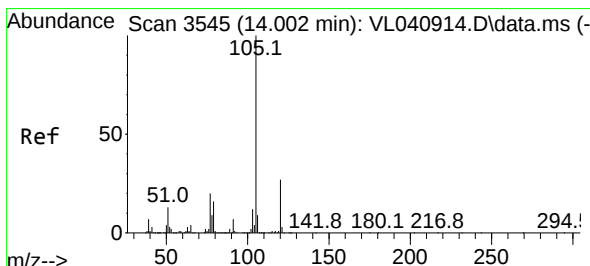
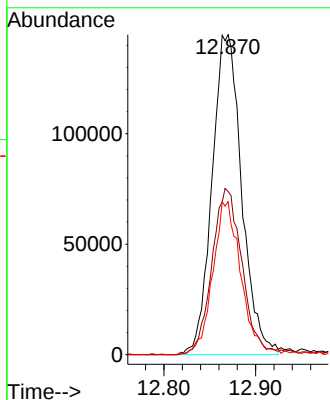
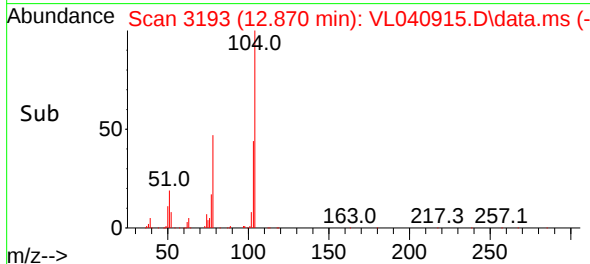
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



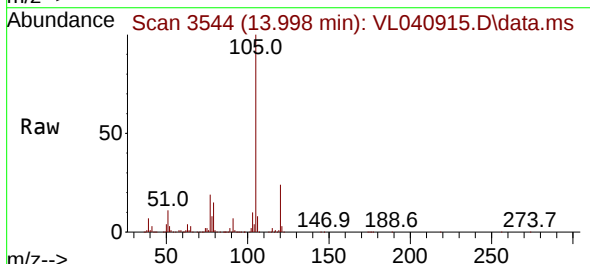
Tgt Ion:104 Resp: 325429
Ion Ratio Lower Upper
104 100
78 53.5 43.0 64.4
103 46.3 37.6 56.4

Manual Integrations
APPROVED

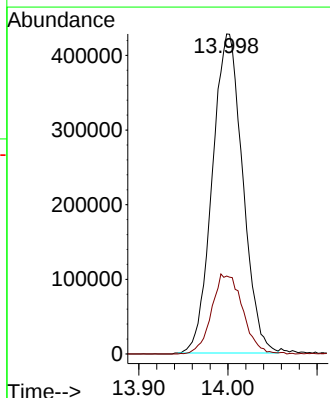
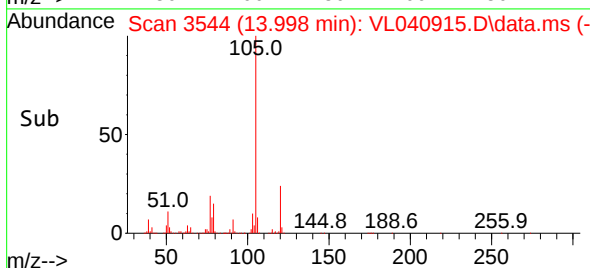
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

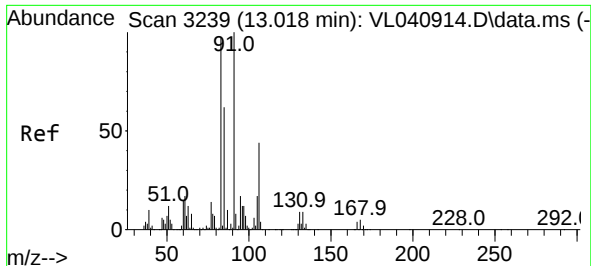


#62
Isopropylbenzene
Concen: 2.155 ppbv
RT: 13.998 min Scan# 3544
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48



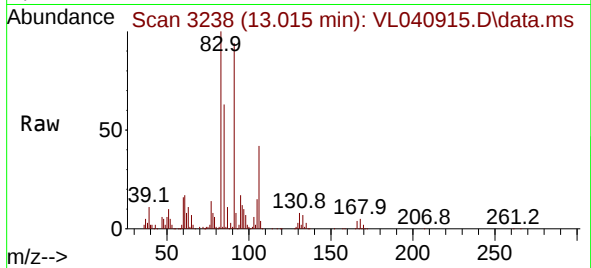
Tgt Ion:105 Resp: 1013849
Ion Ratio Lower Upper
105 100
120 25.5 20.7 31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 2.145 ppbv
RT: 13.015 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

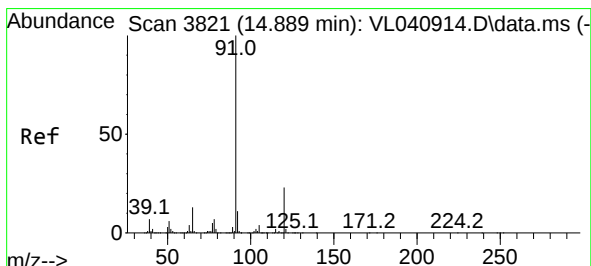
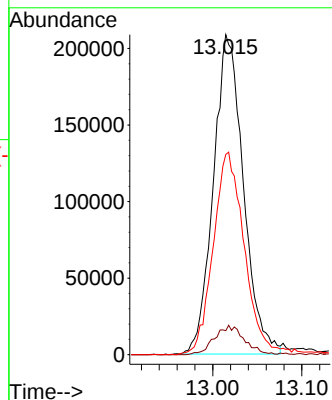
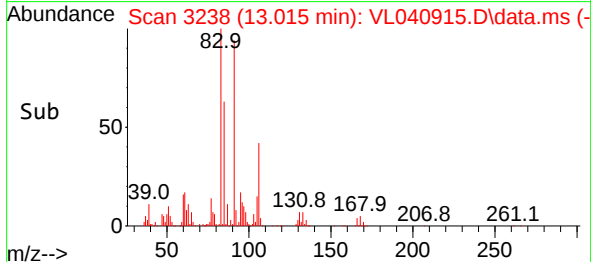
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



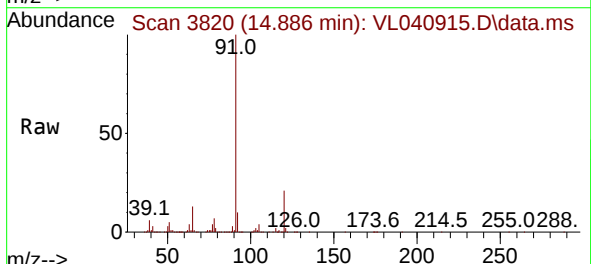
Tgt Ion: 83 Resp: 48865
Ion Ratio Lower Upper
83 100
131 9.2 4.7 14.0
85 66.8 32.6 98.0

Manual Integrations
APPROVED

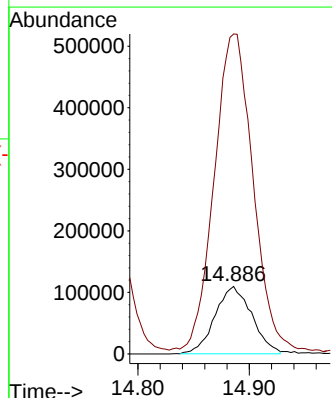
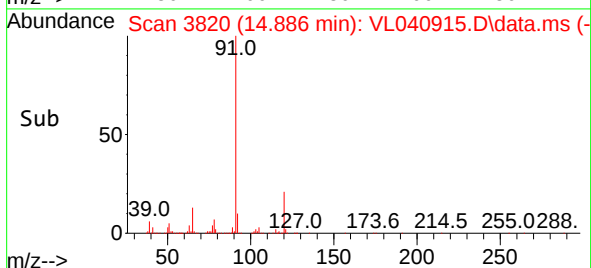
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

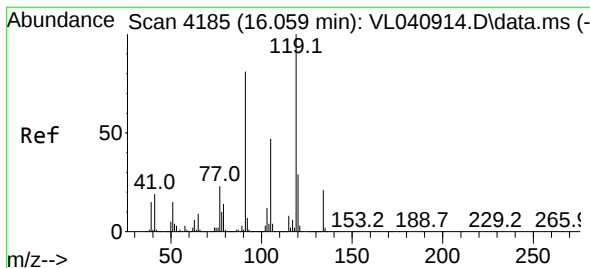


#64
n-propylbenzene
Concen: 2.114 ppbv
RT: 14.886 min Scan# 3820
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48



Tgt Ion:120 Resp: 250925
Ion Ratio Lower Upper
120 100
91 513.5 381.9 572.9





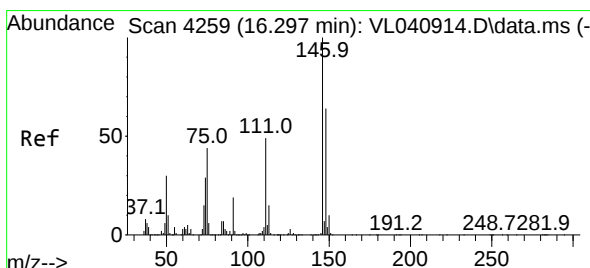
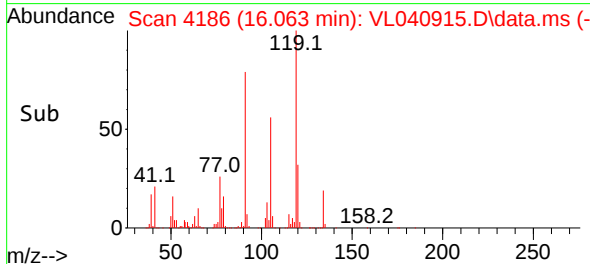
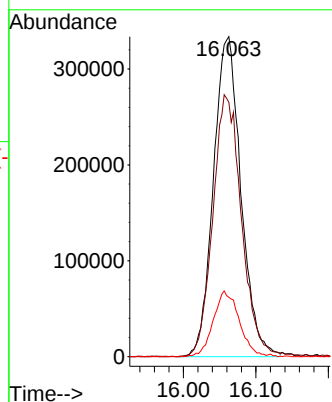
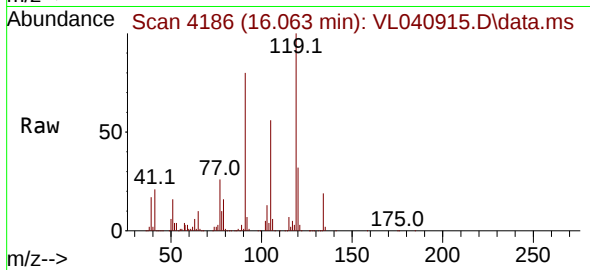
#65
tert-Butylbenzene
Concen: 2.168 ppbv
RT: 16.063 min Scan# 4186
Delta R.T. 0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 88061
Ion Ratio Lower Upper
119 100
91 85.5 67.2 100.8
134 19.5 15.8 23.6

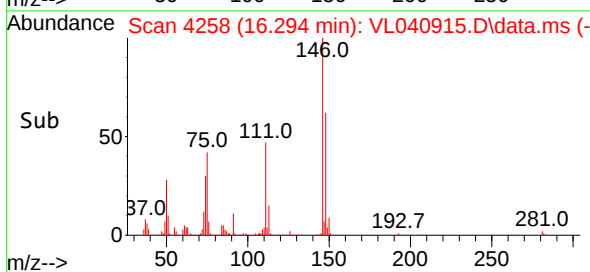
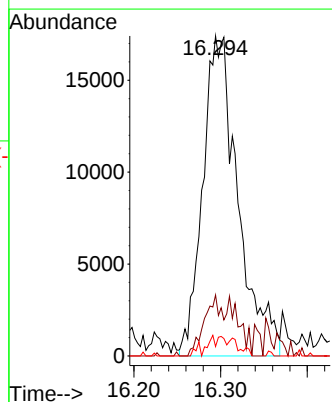
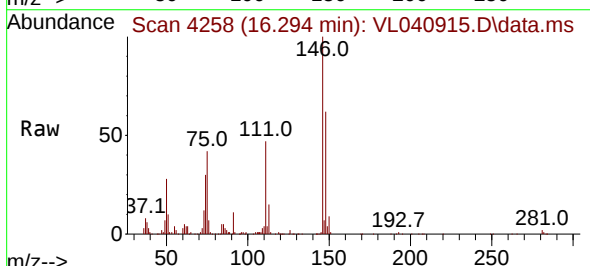
Manual Integrations
APPROVED

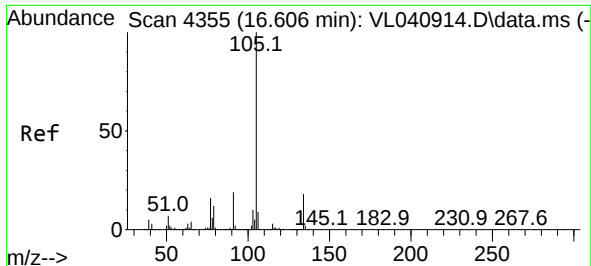
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#66
Benzyl Chloride
Concen: 1.788 ppbv m
RT: 16.294 min Scan# 4258
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Tgt Ion: 91 Resp: 49227
Ion Ratio Lower Upper
91 100
126 21.7 14.1 21.1#
128 5.0 4.6 6.8





#67

sec-Butylbenzene

Concen: 2.169 ppbv

RT: 16.609 min Scan# 4355

Delta R.T. 0.003 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:105 Resp: 126025

Ion Ratio Lower Upper

105 100

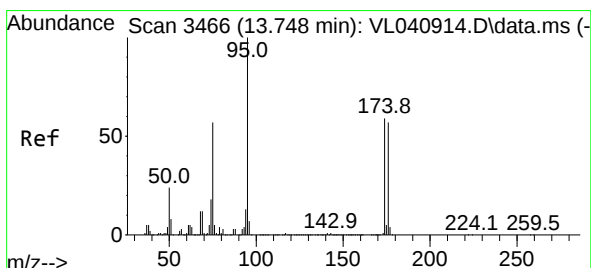
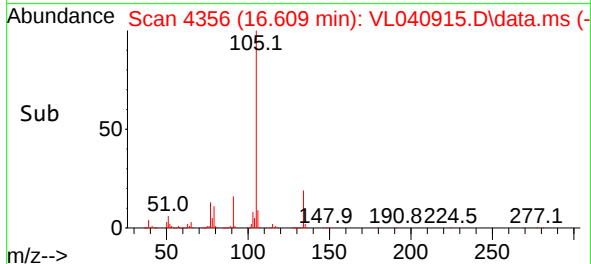
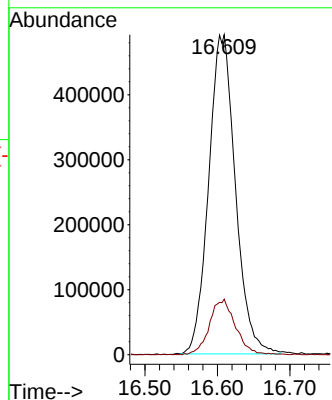
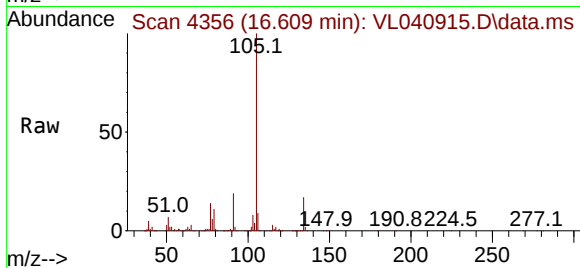
134 17.0 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 9.714 ppbv

RT: 13.748 min Scan# 3466

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

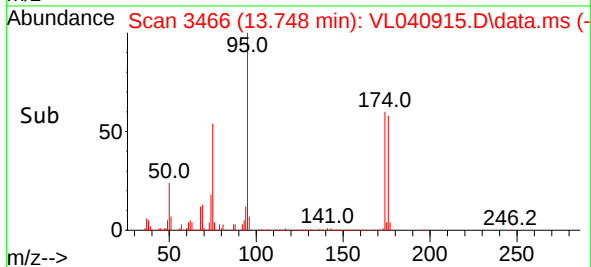
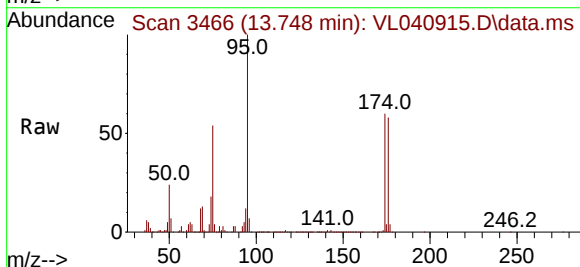
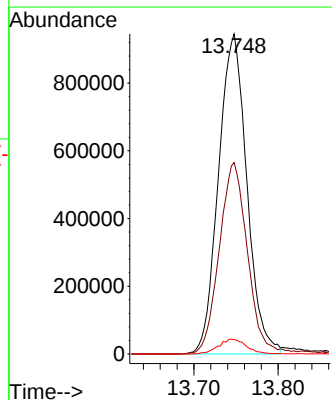
Tgt Ion: 95 Resp: 2204815

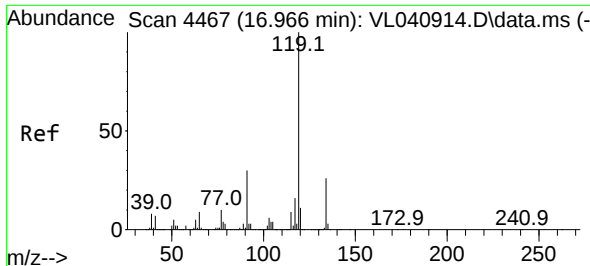
Ion Ratio Lower Upper

95 100

174 60.7 48.0 72.0

175 4.6 3.7 5.5





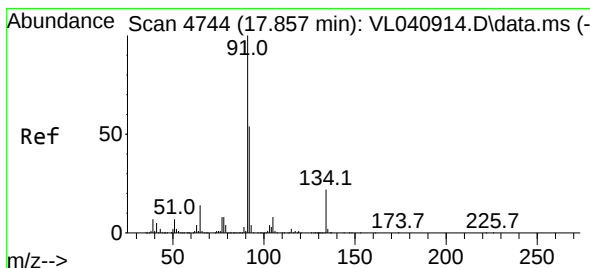
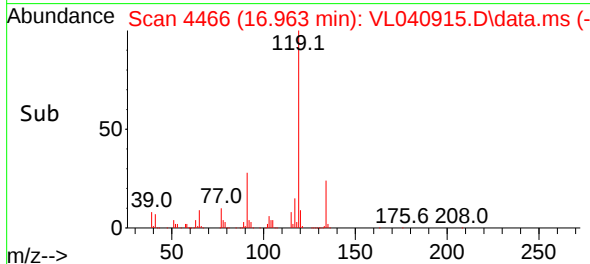
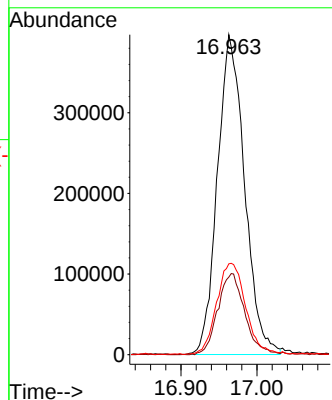
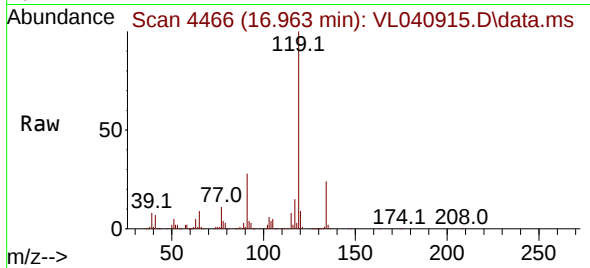
#69
p-Isopropyltoluene
Concen: 2.179 ppbv
RT: 16.963 min Scan# 4466
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:119 Resp: 983294
Ion Ratio Lower Upper
119 100
134 25.4 20.3 30.5
91 30.8 24.1 36.1

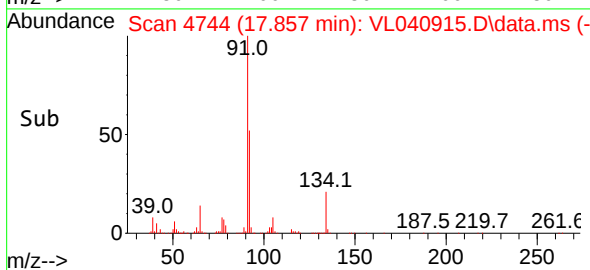
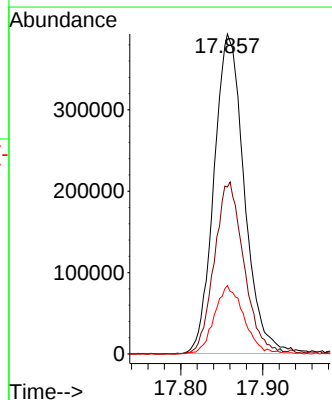
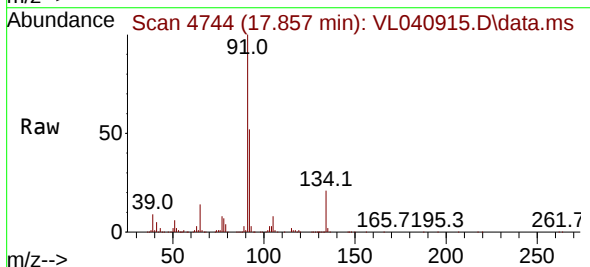
Manual Integrations
APPROVED

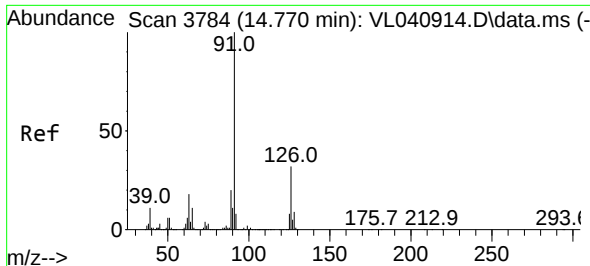
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#70
n-Butylbenzene
Concen: 2.134 ppbv
RT: 17.857 min Scan# 4744
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

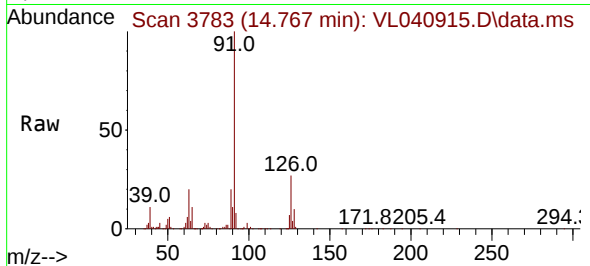
Tgt Ion: 91 Resp: 1000463
Ion Ratio Lower Upper
91 100
92 53.4 43.4 65.0
134 21.3 17.6 26.4





#71
2-Chlorotoluene
Concen: 2.146 ppbv m
RT: 14.767 min Scan# 3783
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

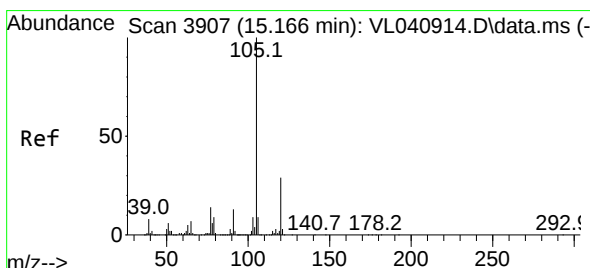
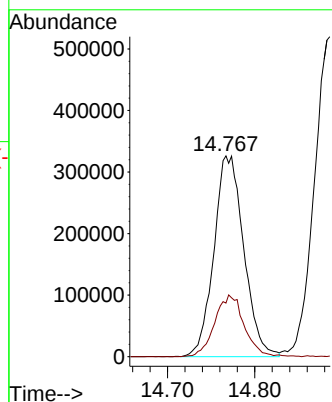
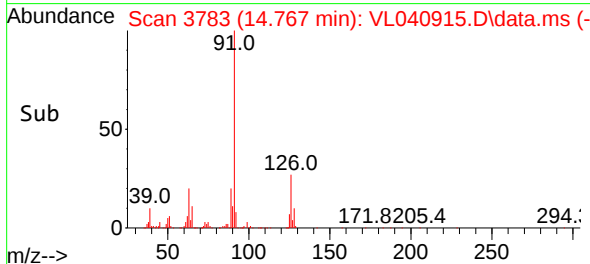
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



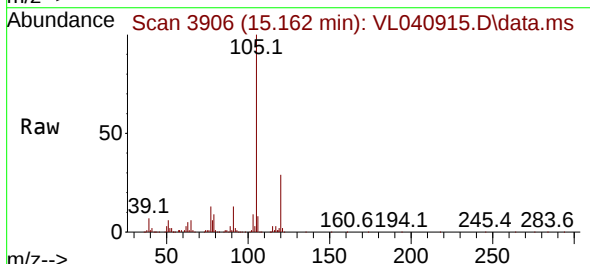
Tgt Ion: 91 Resp: 777168
Ion Ratio Lower Upper
91 100
126 0.0 12.4 49.6

Manual Integrations
APPROVED

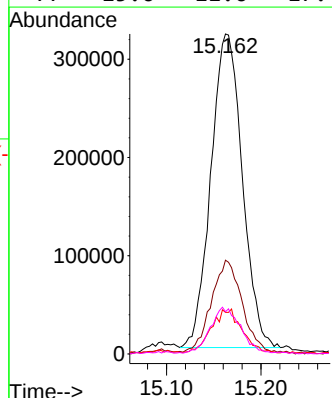
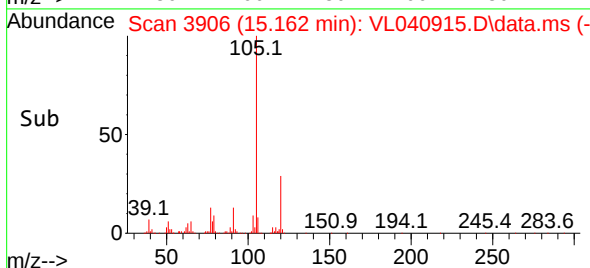
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

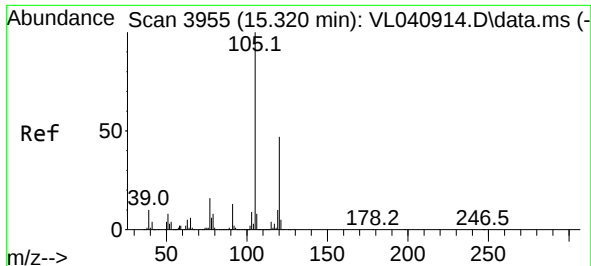


#72
4-Ethyltoluene
Concen: 2.115 ppbv
RT: 15.162 min Scan# 3906
Delta R.T. -0.003 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48



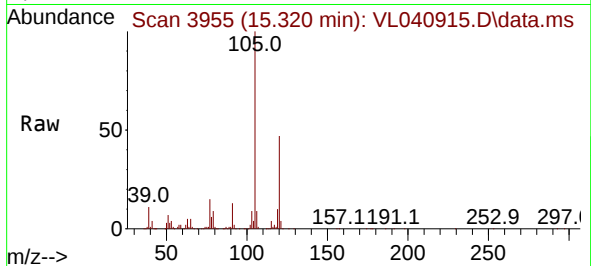
Tgt Ion:105 Resp: 736465
Ion Ratio Lower Upper
105 100
120 30.1 23.8 35.8
91 13.9 10.9 16.3
77 15.6 11.6 17.4





#73
1,3,5-Trimethylbenzene
Concen: 2.170 ppbv
RT: 15.320 min Scan# 3955
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

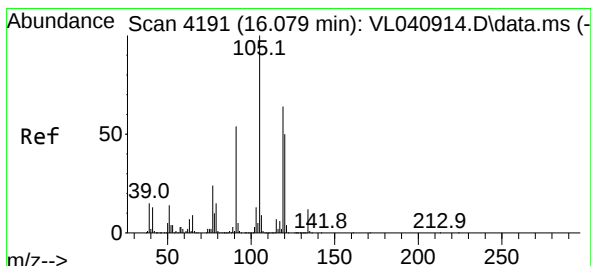
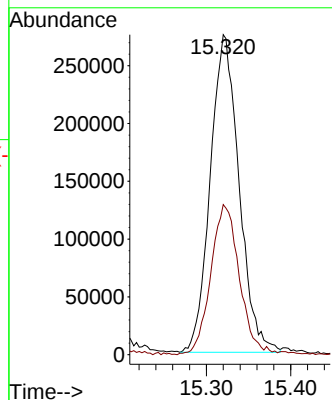
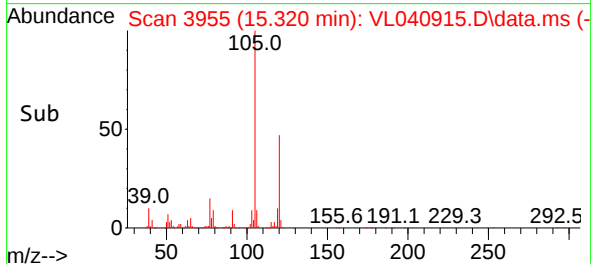
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



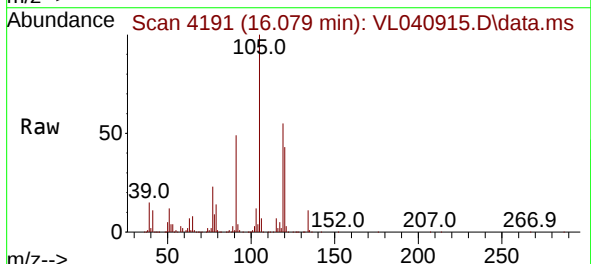
Tgt Ion:105 Resp: 65219
Ion Ratio Lower Upper
105 100
120 46.8 37.8 56.8

Manual Integrations
APPROVED

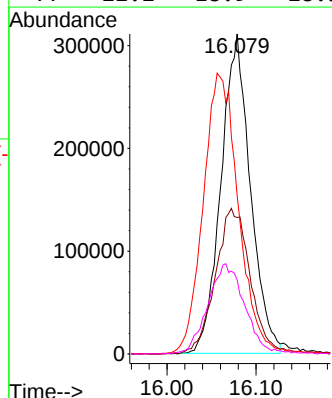
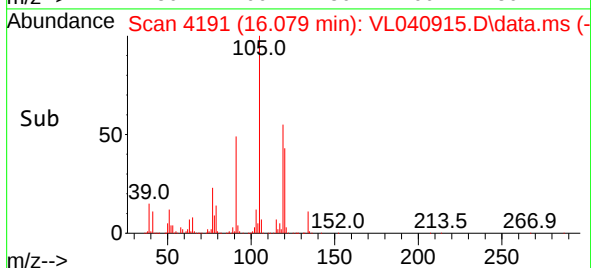
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

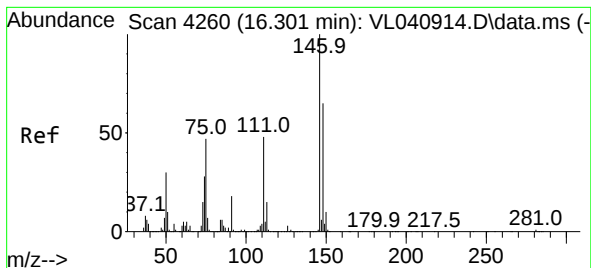


#74
1,2,4-Trimethylbenzene
Concen: 2.126 ppbv
RT: 16.079 min Scan# 4191
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48



Tgt Ion:105 Resp: 710955
Ion Ratio Lower Upper
105 100
120 42.5 40.2 60.4
91 48.0 43.0 64.6
77 22.2 18.9 28.3





#75

1,3-Dichlorobenzene

Concen: 2.110 ppbv

RT: 16.301 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:146 Resp: 404462

Ion Ratio Lower Upper

146 100

111 49.8 24.7 74.1

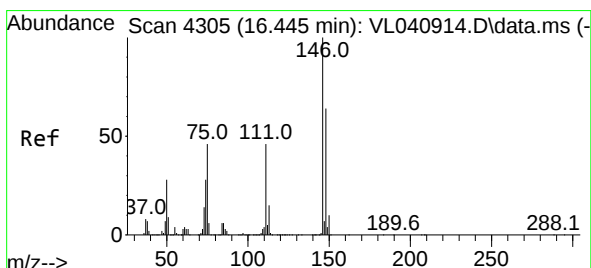
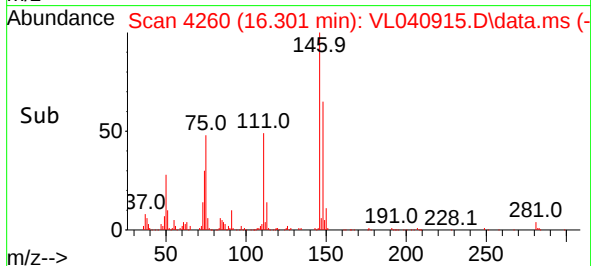
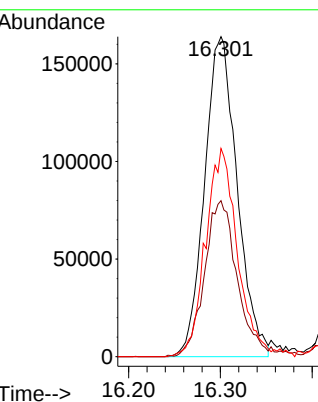
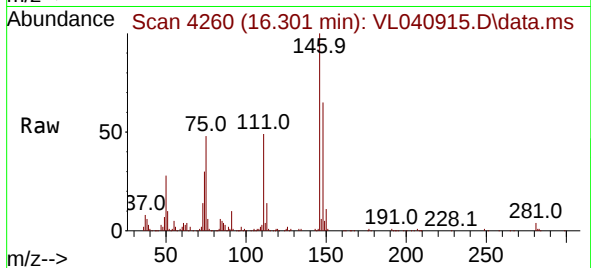
148 63.9 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#76

1,4-Dichlorobenzene

Concen: 2.101 ppbv

RT: 16.439 min Scan# 4303

Delta R.T. -0.006 min

Lab File: VL040915.D

Acq: 20 Dec 2023 11:48

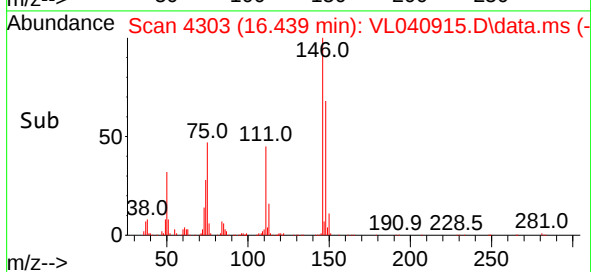
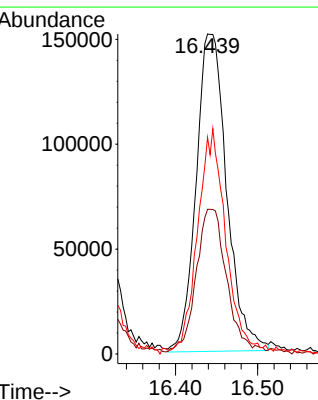
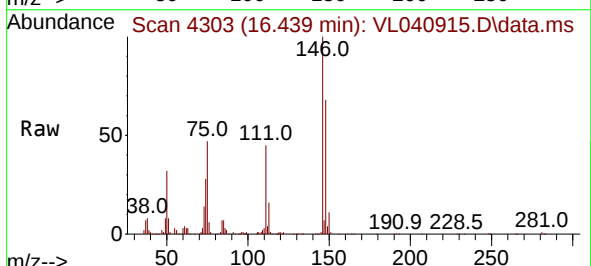
Tgt Ion:146 Resp: 393228

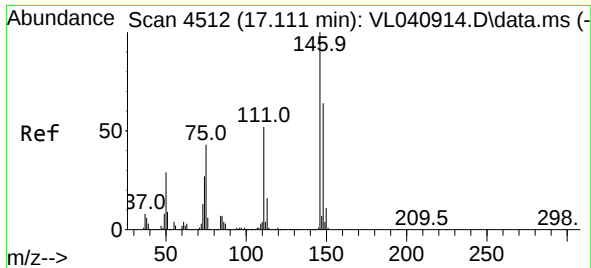
Ion Ratio Lower Upper

146 100

111 47.3 24.1 72.4

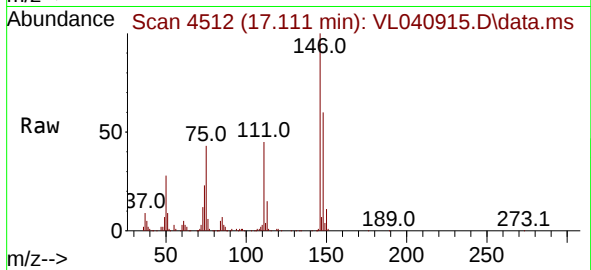
148 66.8 33.2 99.6





#77
1,2-Dichlorobenzene
Concen: 2.103 ppbv m
RT: 17.111 min Scan# 4512
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

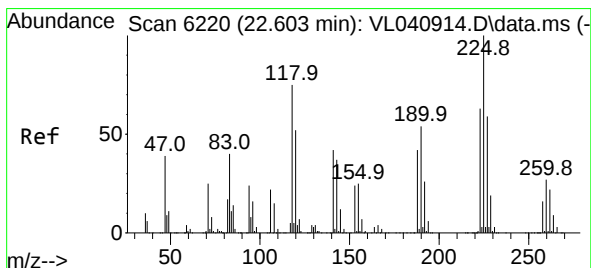
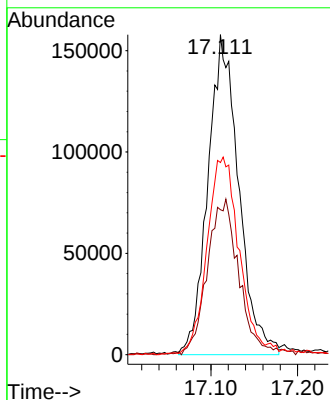
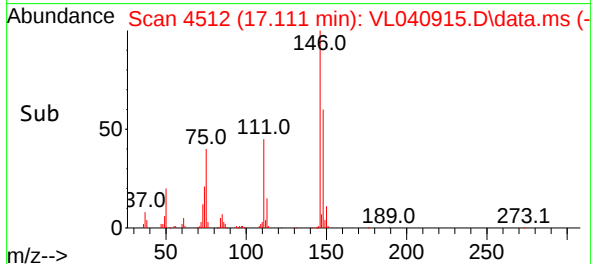
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion:146 Resp: 388725
Ion Ratio Lower Upper
146 100
111 0.0 25.5 76.5
148 0.0 32.2 96.6

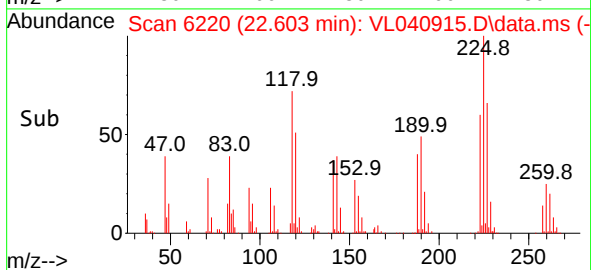
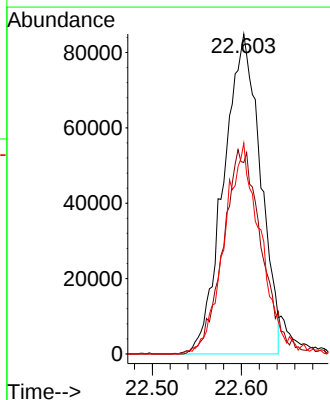
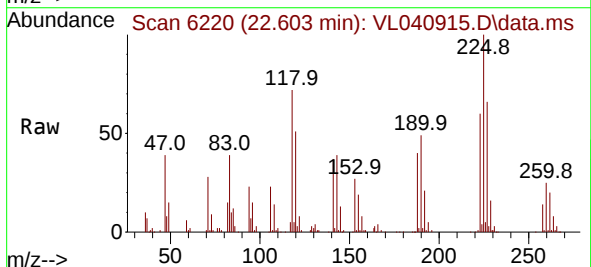
Manual Integrations
APPROVED

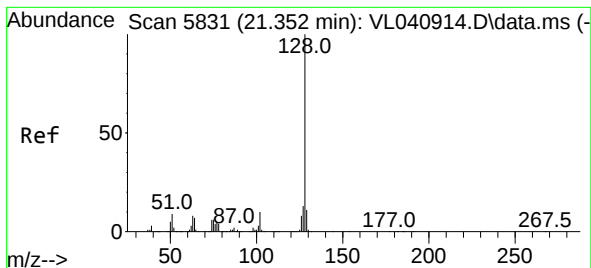
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#78
Hexachloro-1,3-Butadiene
Concen: 2.121 ppbv
RT: 22.603 min Scan# 6220
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

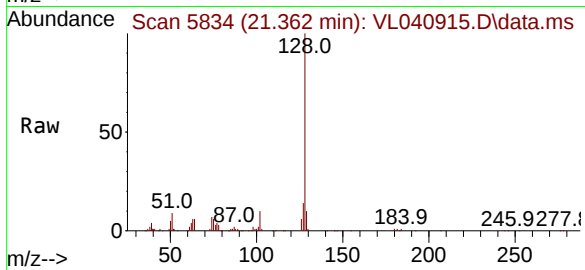
Tgt Ion:225 Resp: 243235
Ion Ratio Lower Upper
225 100
223 67.3 51.5 77.3
227 65.7 51.7 77.5





#79
Naphthalene
Concen: 2.288 ppbv m
RT: 21.362 min Scan# 5831
Delta R.T. 0.010 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

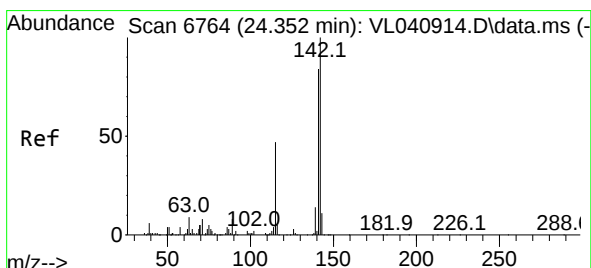
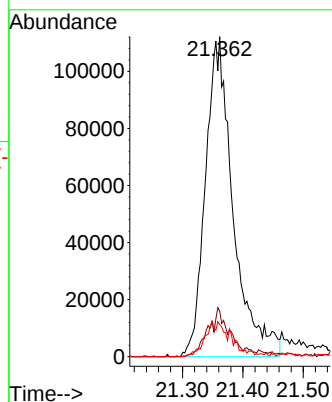
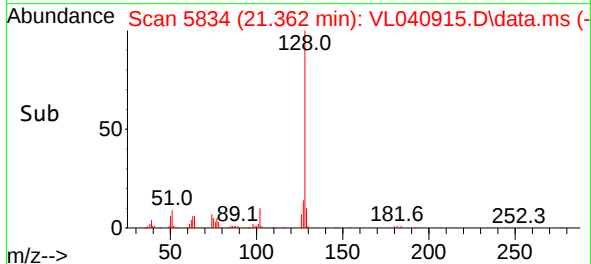
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



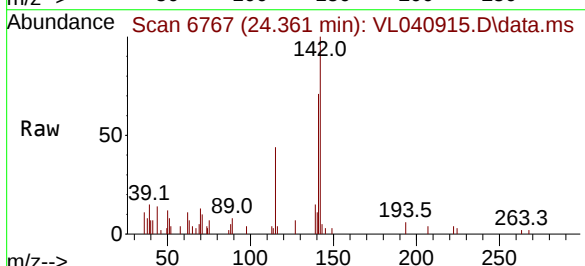
Tgt Ion:128 Resp: 35786
Ion Ratio Lower Upper
128 100
127 14.2 10.6 15.8
129 9.9 8.7 13.1

Manual Integrations
APPROVED

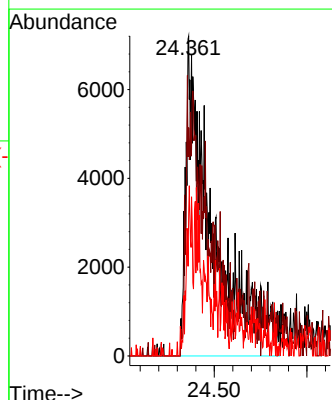
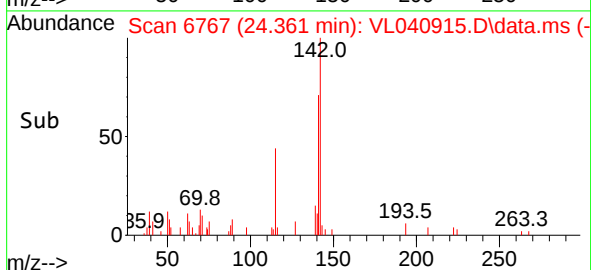
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

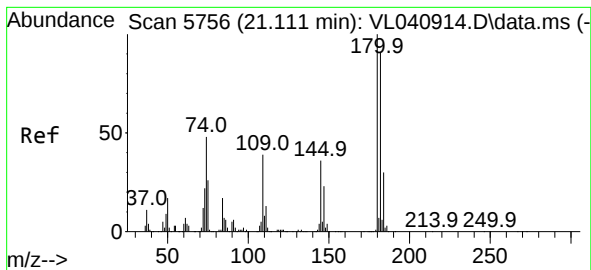


#80
Naphthalene,2-methyl-
Concen: 2.555 ppbv m
RT: 24.361 min Scan# 6767
Delta R.T. 0.010 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48



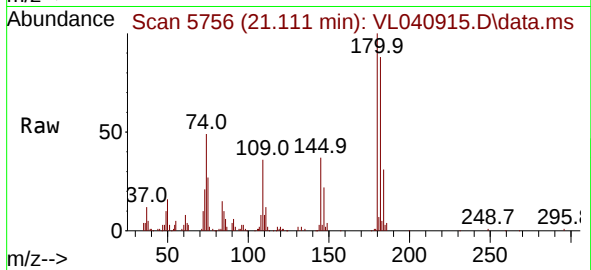
Tgt Ion:142 Resp: 69862
Ion Ratio Lower Upper
142 100
141 15.4 68.5 102.7#
115 11.4 34.5 51.7#





#81
1,2,4-Trichlorobenzene
Concen: 2.039 ppbv m
RT: 21.111 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL040915.D
Acq: 20 Dec 2023 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion:180 Resp: 19114
Ion Ratio Lower Upper
180 100
182 97.3 79.4 119.0
184 30.8 24.5 36.7

Manual Integrations
APPROVED

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

