

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041084.D
 Acq On : 11 Mar 2024 12:23
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024
 Supervised By :Mahesh Dadoda 03/12/2024

Quant Time: Mar 12 05:50:13 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

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

QLast Update : Tue Mar 12 05:47:21 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1474460	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3823500	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	3470488	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.790 95 2684467 9.893 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.729	85	300683	1.070	ppbv	94
3) Chlorodifluoromethane	2.674	51	230971	1.067	ppbv	98
4) Chloromethane	2.812	50	89081	1.087	ppbv	95
5) Vinyl Chloride	2.922	62	80000	0.959	ppbv	92
6) Bromomethane	3.124	94	31980	0.967	ppbv	99
7) Chloroethane	3.198	64	29623	1.009	ppbv	91
8) Dichlorotetrafluoroethane	2.857	85	219106	1.074	ppbv	98
9) Propene	2.693	41	75350	1.045	ppbv	91
10) Heptane	7.594	43	173571	1.006	ppbv	96
11) Trichlorofluoromethane	3.565	101	229828	1.061	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.076	101	167911	1.054	ppbv	96
13) Ethanol	3.253	45	21294m	1.167	ppbv	
14) Bromoethene	3.369	108	64483	1.038	ppbv	96
15) Acetone	3.478	43	187424	1.116	ppbv	96
16) 1,3-Butadiene	2.986	39	76891	0.972	ppbv	94
17) tert-Butyl alcohol	3.886	59	140338m	1.124	ppbv	
18) 1,1-Dichloroethene	3.886	96	71331	1.017	ppbv	94
19) Isopropyl Alcohol	3.594	45	94899	1.058	ppbv #	97
20) Methylene Chloride	3.938	84	69243	1.057	ppbv	87
21) Allyl Chloride	4.005	41	94448	0.996	ppbv	97
22) trans-1,2-Dichloroethene	4.452	96	80715	0.967	ppbv	98
23) Vinyl Acetate	4.639	43	187441	1.005	ppbv	98
24) 1,1-Dichloroethane	4.571	63	187686	1.093	ppbv	99
25) Ethyl Acetate	5.218	43	327572	1.082	ppbv	100
26) Hexane	5.224	57	142879m	1.053	ppbv	
27) Carbon Disulfide	4.131	76	162336	1.001	ppbv #	88
28) Methyl tert-Butyl Ether	4.600	73	128599	1.075	ppbv	98
29) Chloroform	5.282	83	248014	1.062	ppbv	85
30) Cyclohexane	6.610	84	107935	0.972	ppbv	88
31) cis-1,2-Dichloroethene	5.086	61	138698m	1.055	ppbv	
32) 1,1,1-Trichloroethane	6.012	97	232090	1.110	ppbv	100
34) 2-Butanone	4.800	43	191837	1.011	ppbv	95
35) Carbon Tetrachloride	6.507	117	238188	1.070	ppbv	98
36) Benzene	6.378	78	290585	1.021	ppbv	98
37) 1,2-Dichloroethane	5.819	62	182043	1.063	ppbv	99
38) Trichloroethene	7.301	130	112573	1.060	ppbv	97
39) 1,2-Dichloropropane	7.086	63	116598	1.025	ppbv #	84
40) 1,4-Dioxane	7.317	88	48402m	1.079	ppbv	
41) Tetrahydrofuran	5.584	42	107882	0.958	ppbv	94
42) Bromodichloromethane	7.259	83	245198	1.000	ppbv #	87
43) Methyl Methacrylate	7.491	69	109156	0.993	ppbv	99
44) 2,2,4-Trimethylpentane	7.336	57	492404	1.035	ppbv	99
45) t-1,3-Dichloropropene	8.719	75	66974m	0.877	ppbv	

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 Supervised By :Mahesh Dadoda 03/12/2024

Quant Time: Mar 12 05:50:13 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

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

QLast Update : Tue Mar 12 05:47:21 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	83983	0.883	ppbv	98
47) 1,1,2-Trichloroethane	8.905	97	117317	0.964	ppbv	96
48) Dibromochloromethane	9.722	129	192702	0.972	ppbv	99
49) Bromoform	12.420	173	150115	0.953	ppbv	98
50) 4-Methyl-2-Pentanone	8.201	43	275650	0.987	ppbv	99
51) 2-Hexanone	9.577	43	212304m	1.027	ppbv	
52) Tetrachloroethene	10.635	164	97774m	1.105	ppbv	
53) Toluene	9.233	91	299979	0.978	ppbv	99
54) 1,2-Dibromoethane	10.024	107	156875	1.005	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.523	131	157264	1.058	ppbv #	1
57) Chlorobenzene	11.545	112	260882	1.050	ppbv	96
58) Ethyl Benzene	12.105	91	420299	1.034	ppbv	96
59) m/p-Xylene	12.384	91	755348m	2.118	ppbv	
60) o-Xylene	13.076	91	349454	1.033	ppbv	99
61) Styrene	12.918	104	140215	0.909	ppbv	96
62) Isopropylbenzene	14.044	105	534126m	1.061	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.066	83	277284	1.073	ppbv	98
64) n-propylbenzene	14.931	120	128731	1.015	ppbv	85
65) tert-Butylbenzene	16.105	119	460747	1.055	ppbv	97
66) Benzyl Chloride	16.336	91	26610m	0.904	ppbv	
67) sec-Butylbenzene	16.654	105	677036	1.077	ppbv	99
69) p-Isopropyltoluene	17.011	119	516253	1.052	ppbv	99
70) n-Butylbenzene	17.905	91	563097	1.062	ppbv	96
71) 2-Chlorotoluene	14.818	91	395839	1.029	ppbv	98
72) 4-Ethyltoluene	15.211	105	382028	1.025	ppbv	98
73) 1,3,5-Trimethylbenzene	15.368	105	339487	1.029	ppbv	94
74) 1,2,4-Trimethylbenzene	16.124	105	400288	1.062	ppbv	96
75) 1,3-Dichlorobenzene	16.349	146	213421	0.992	ppbv	95
76) 1,4-Dichlorobenzene	16.490	146	225776m	1.043	ppbv	
77) 1,2-Dichlorobenzene	17.162	146	218437	1.028	ppbv	98
78) Hexachloro-1,3-Butadiene	22.661	225	163861m	1.103	ppbv	
79) Naphthalene	21.413	128	236320m	1.066	ppbv	
80) Naphthalene,2-methyl-	24.461	142	30674m	1.059	ppbv	
81) 1,2,4-Trichlorobenzene	21.169	180	122193	0.964	ppbv	95

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

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 ClientSampleId :
 VSTDIC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024
 Supervised By :Mahesh Dadoda 03/12/2024

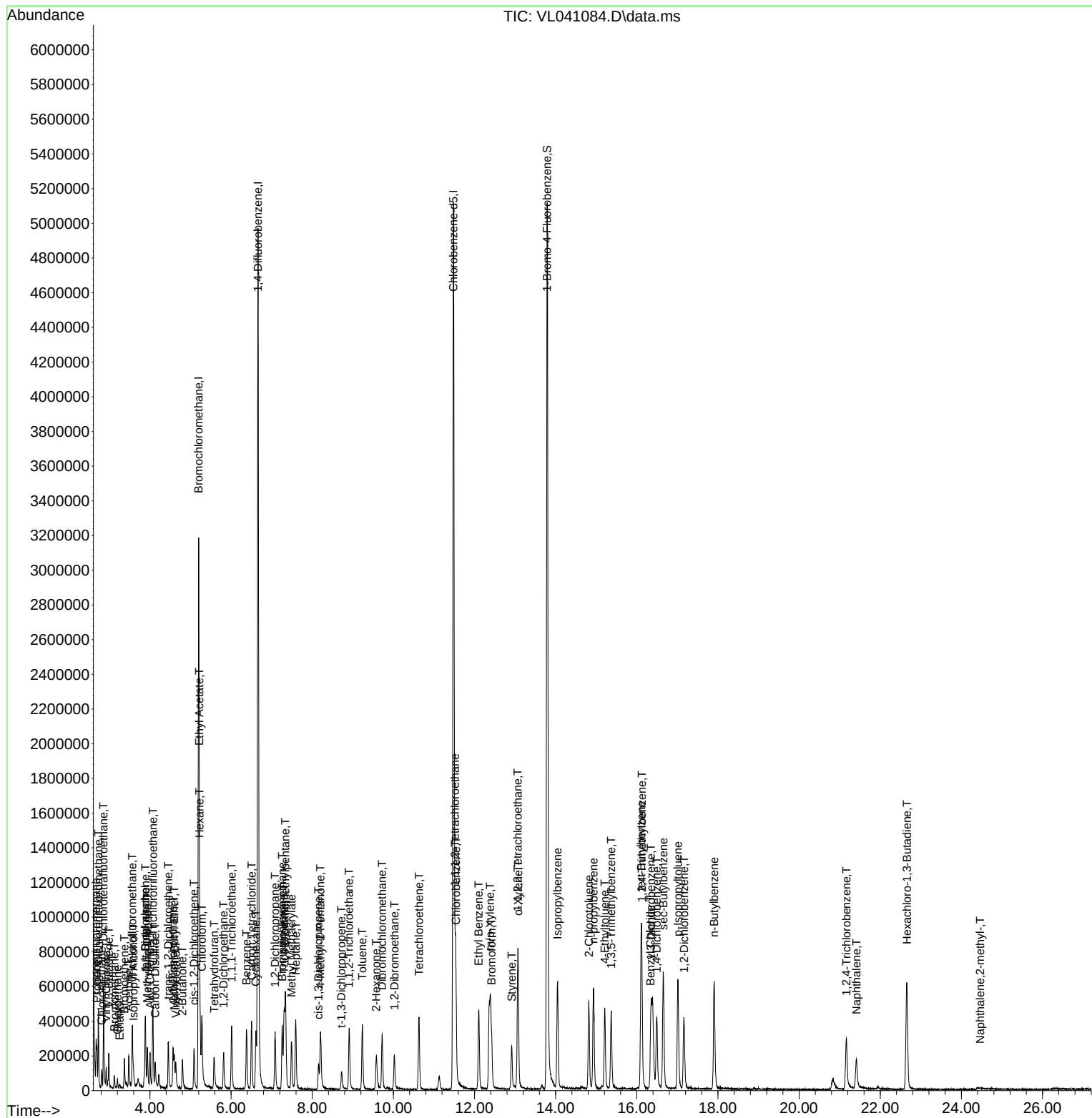
Quant Time: Mar 12 05:50:13 2024

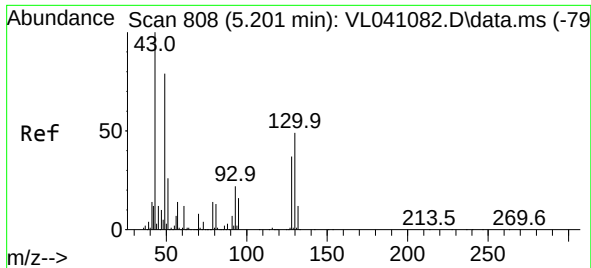
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

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Response via : Initial Calibration





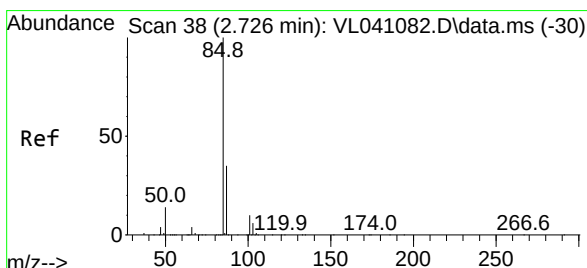
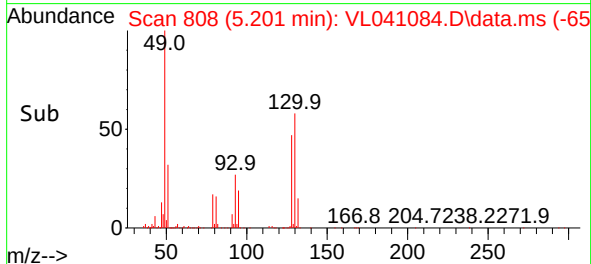
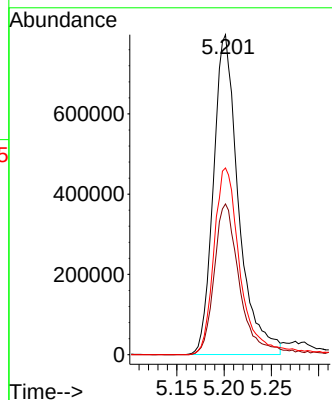
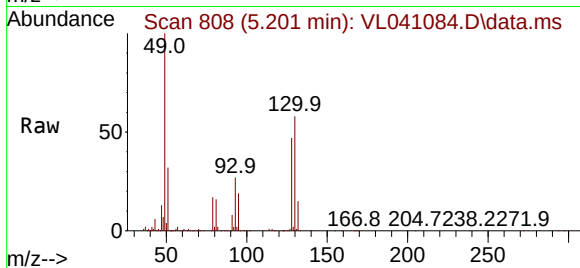
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 49 Resp: 1474460
Ion Ratio Lower Upper
49 100
128 49.3 23.8 71.5
130 61.9 30.3 90.9

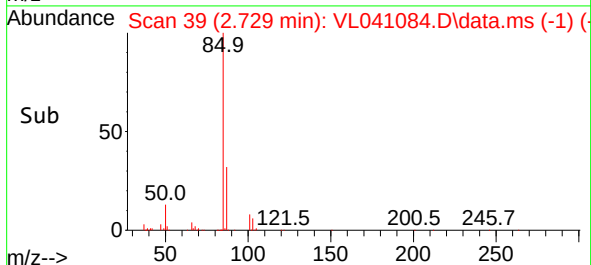
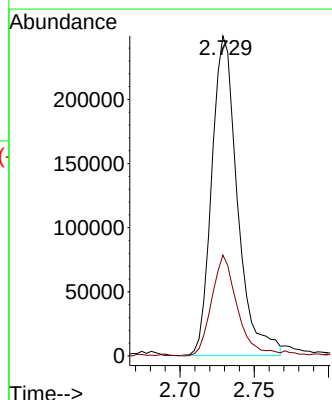
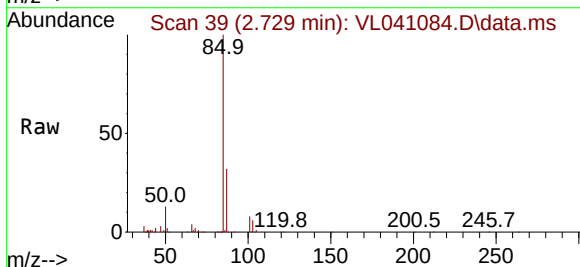
Manual Integrations
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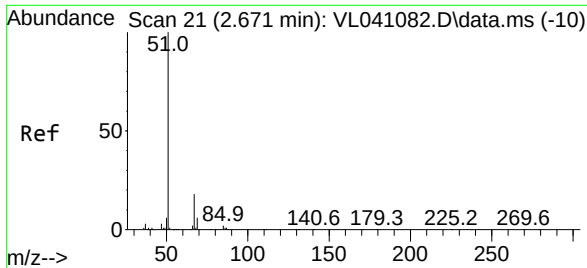
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#2
Dichlorodifluoromethane
Concen: 1.070 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion: 85 Resp: 300683
Ion Ratio Lower Upper
85 100
87 31.5 28.1 42.1





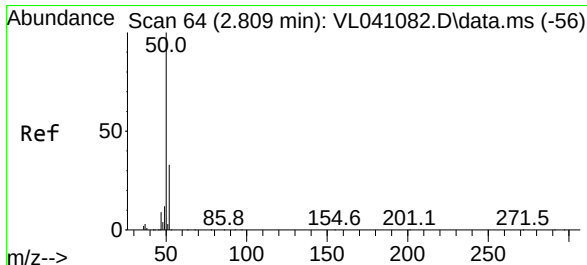
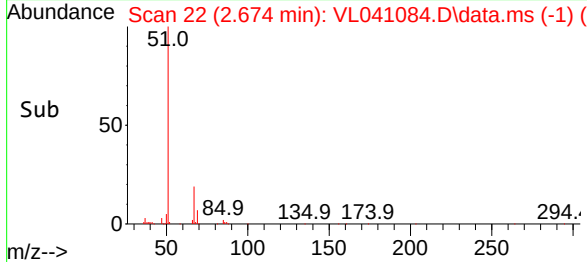
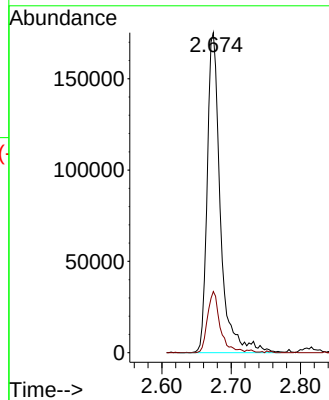
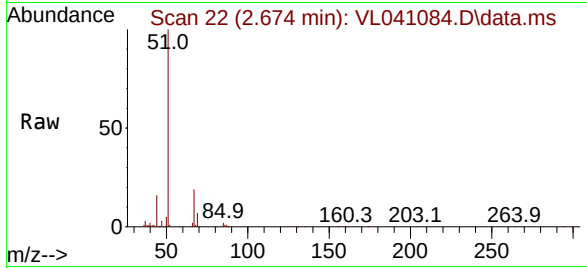
#3
Chlorodifluoromethane
Concen: 1.067 ppbv
RT: 2.674 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 23097
Ion Ratio Lower Upper
51 100
67 19.1 14.5 21.7

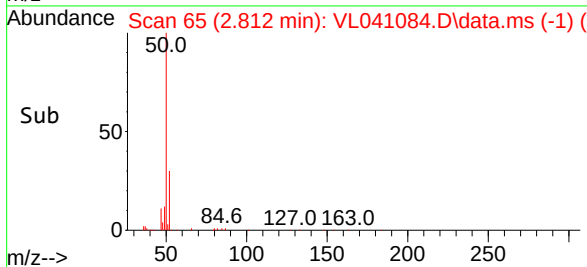
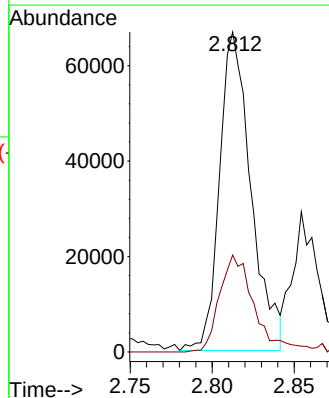
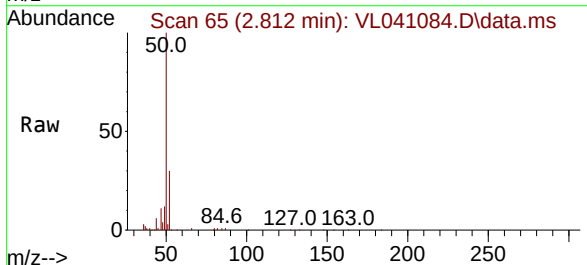
Manual Integrations
APPROVED

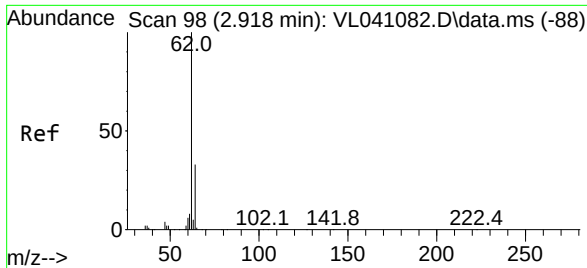
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#4
Chloromethane
Concen: 1.087 ppbv
RT: 2.812 min Scan# 65
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

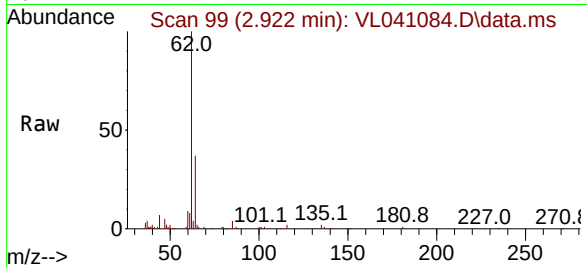
Tgt Ion: 50 Resp: 89081
Ion Ratio Lower Upper
50 100
52 30.6 26.6 40.0





#5
 Vinyl Chloride
 Concen: 0.959 ppbv
 RT: 2.922 min Scan# 94
 Delta R.T. 0.003 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

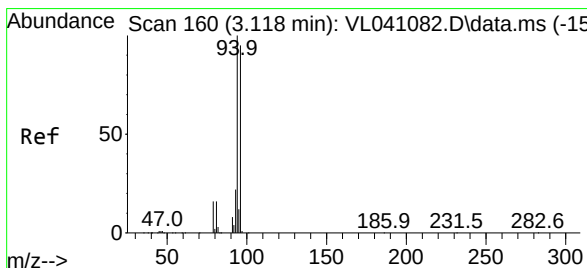
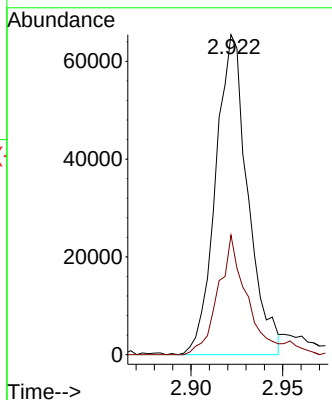
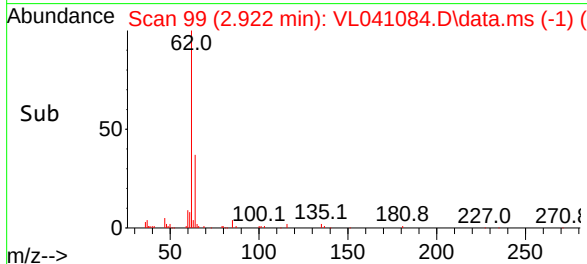
Instrument :
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Tgt Ion: 62 Resp: 80000
 Ion Ratio Lower Upper
 62 100
 64 37.4 26.5 39.7

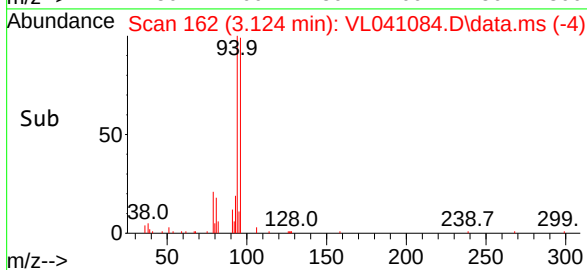
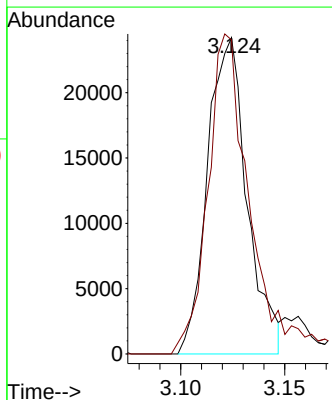
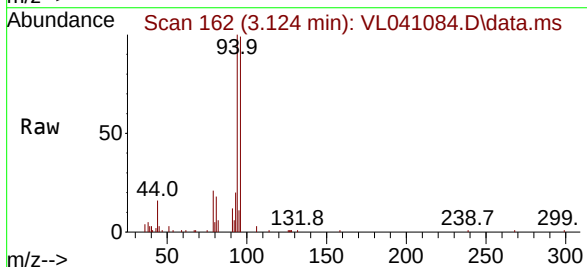
Manual Integrations
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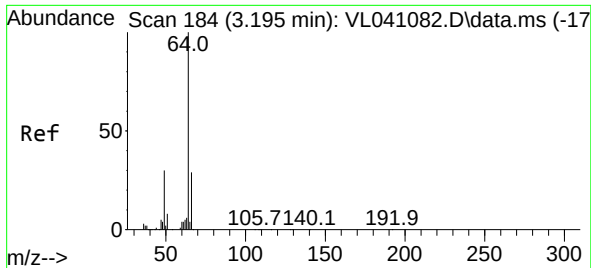
Reviewed By :Semsettin Yesilyurt 03/12/2024
 Supervised By :Mahesh Dadoda 03/12/2024



#6
 Bromomethane
 Concen: 0.967 ppbv
 RT: 3.124 min Scan# 162
 Delta R.T. 0.007 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

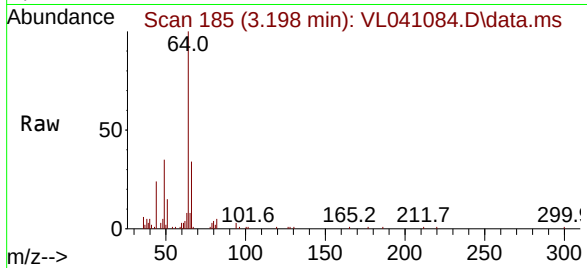
Tgt Ion: 94 Resp: 31980
 Ion Ratio Lower Upper
 94 100
 96 96.4 76.0 114.0





#7
Chloroethane
Concen: 1.009 ppbv
RT: 3.198 min Scan# 185
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

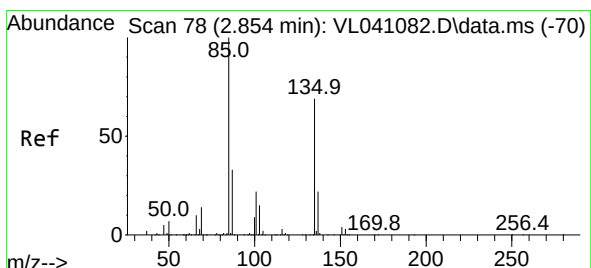
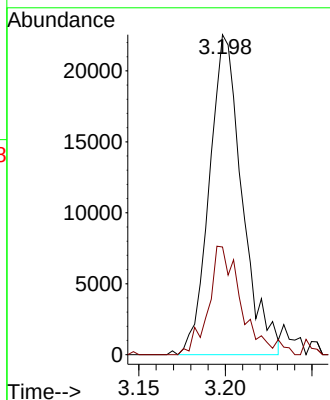
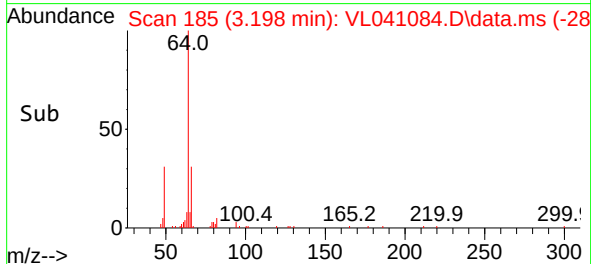
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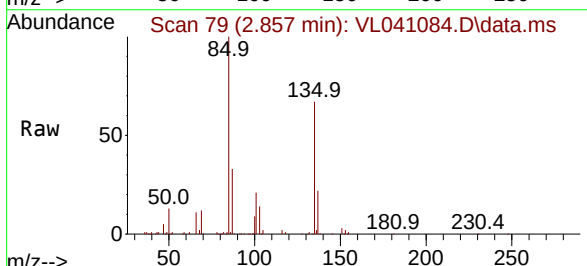
Tgt Ion: 64 Resp: 2962
Ion Ratio Lower Upper
64 100
66 33.6 23.2 34.8

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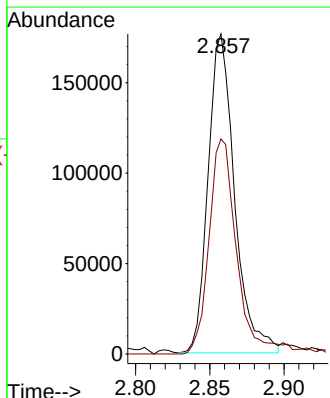
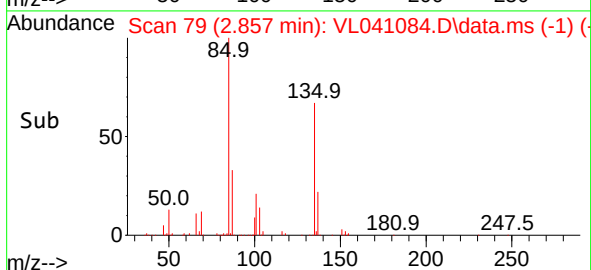
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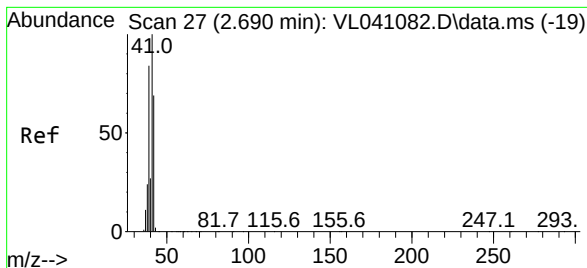


#8
Dichlorotetrafluoroethane
Concen: 1.074 ppbv
RT: 2.857 min Scan# 79
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23



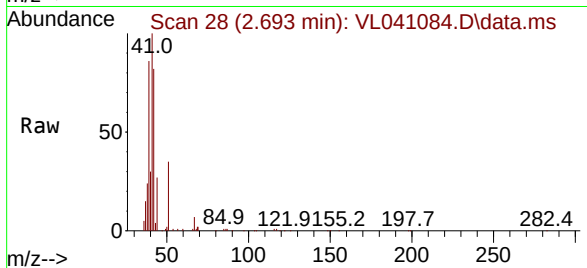
Tgt Ion: 85 Resp: 219106
Ion Ratio Lower Upper
85 100
135 72.5 56.7 85.1





#9
Propene
Concen: 1.045 ppbv
RT: 2.693 min Scan# 27
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

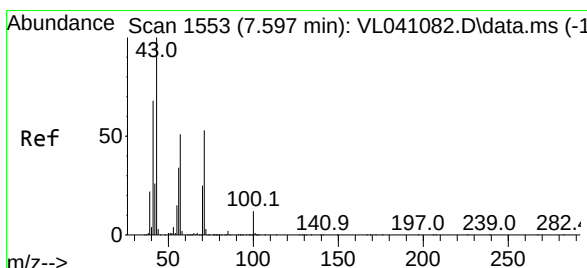
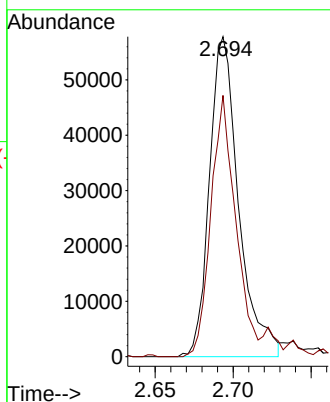
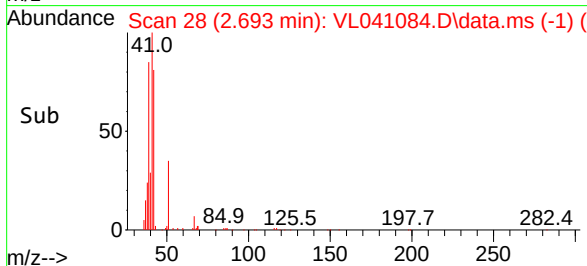
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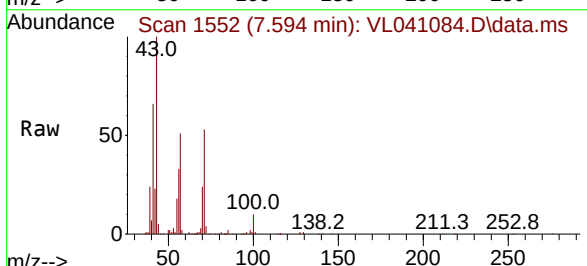
Tgt Ion: 41 Resp: 75350
Ion Ratio Lower Upper
41 100
42 77.6 55.9 83.9

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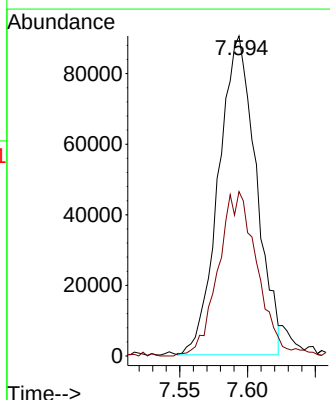
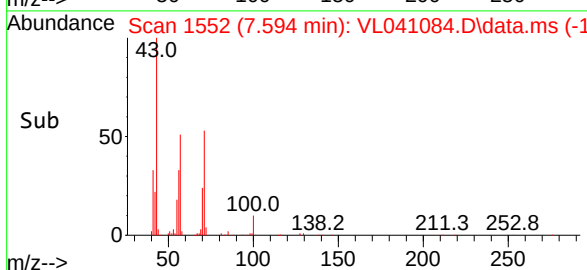
Reviewed By :Semsettin Yesilyurt 03/12/2024
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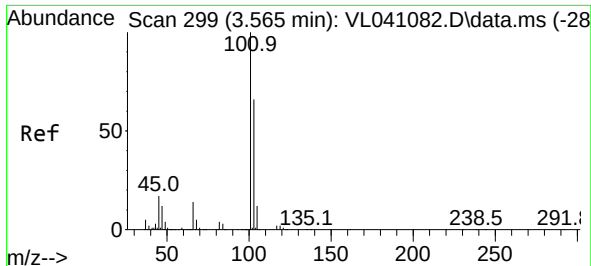


#10
Heptane
Concen: 1.006 ppbv
RT: 7.594 min Scan# 1552
Delta R.T. -0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23



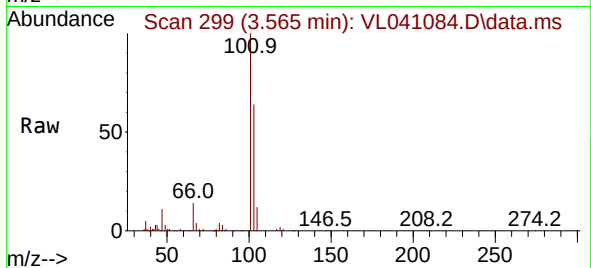
Tgt Ion: 43 Resp: 173571
Ion Ratio Lower Upper
43 100
57 54.4 41.0 61.6





#11
 Trichlorofluoromethane
 Concen: 1.061 ppbv
 RT: 3.565 min Scan# 299
 Delta R.T. 0.000 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

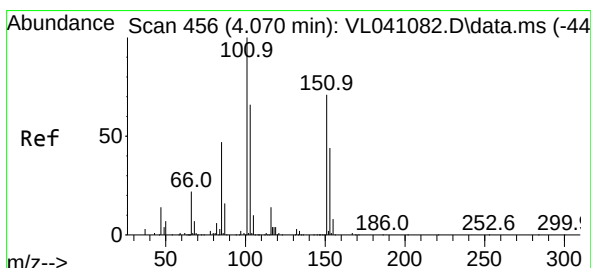
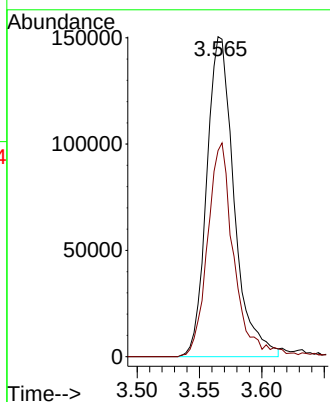
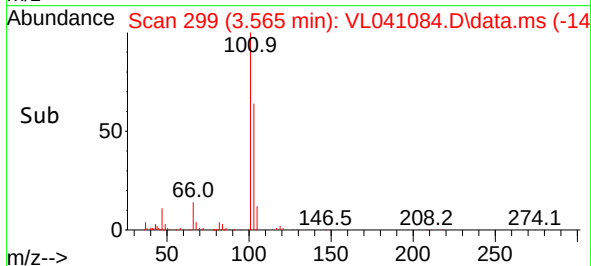
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



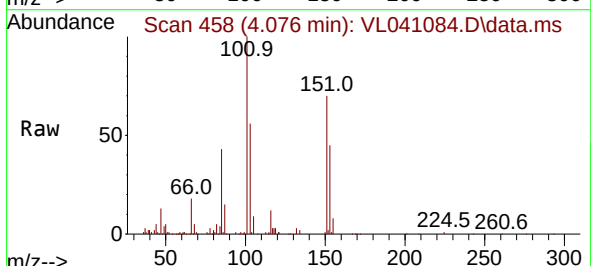
Tgt Ion:101 Resp: 229828
 Ion Ratio Lower Upper
 101 100
 103 64.4 53.0 79.4

Manual Integrations
 APPROVED

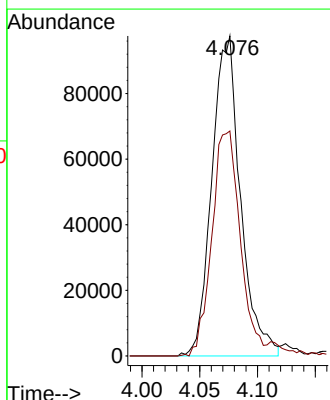
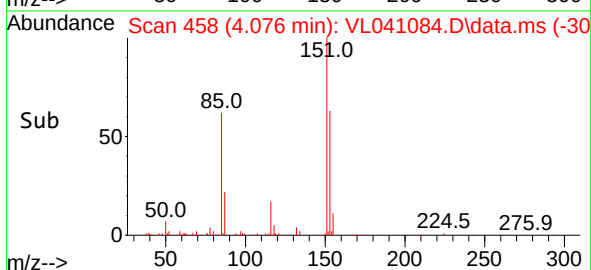
Reviewed By :Semsettin Yesilyurt 03/12/2024
 Supervised By :Mahesh Dadoda 03/12/2024

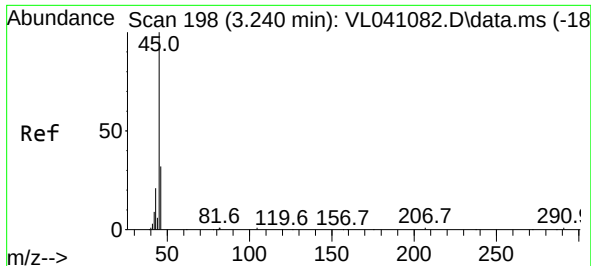


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.054 ppbv
 RT: 4.076 min Scan# 458
 Delta R.T. 0.007 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23



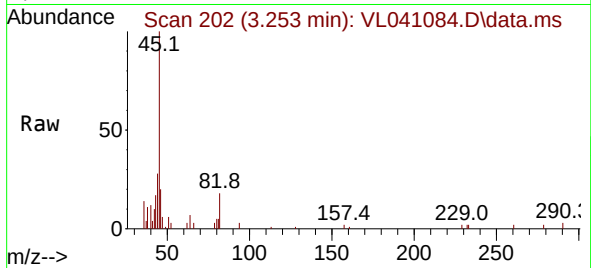
Tgt Ion:101 Resp: 167911
 Ion Ratio Lower Upper
 101 100
 151 73.1 55.8 83.8





#13
Ethanol
Concen: 1.167 ppbv m
RT: 3.253 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

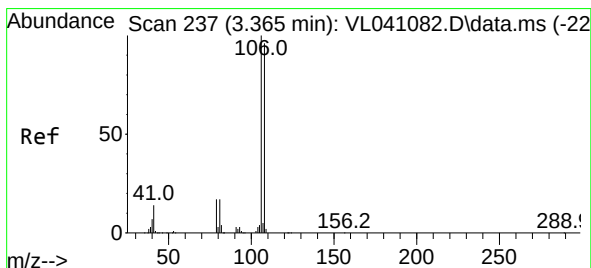
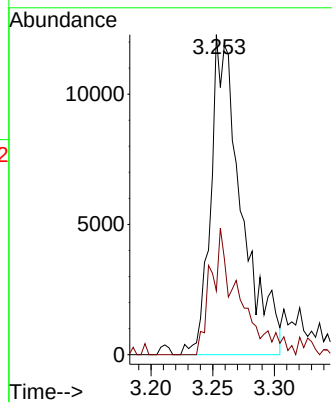
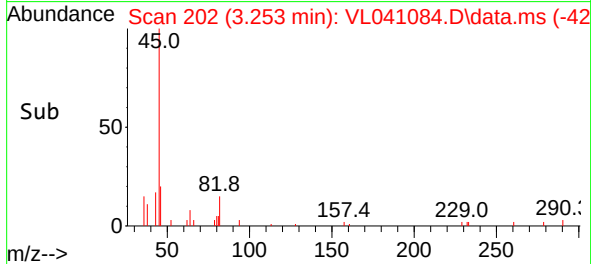
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



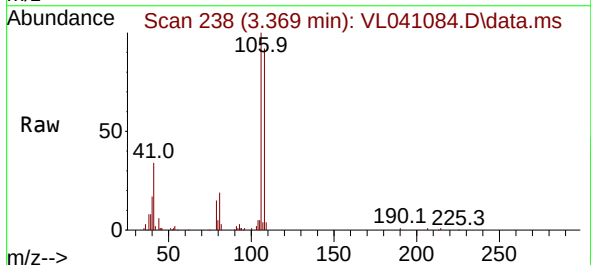
Tgt Ion: 45 Resp: 21294
Ion Ratio Lower Upper
45 100
46 1.3 14.6 58.2

Manual Integrations
APPROVED

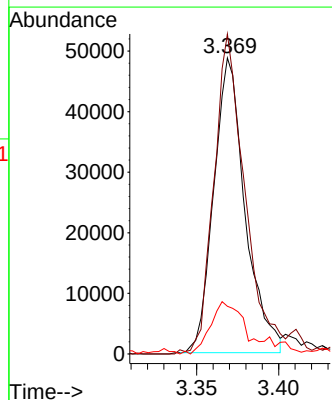
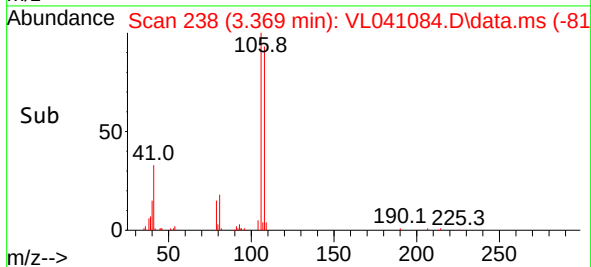
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024

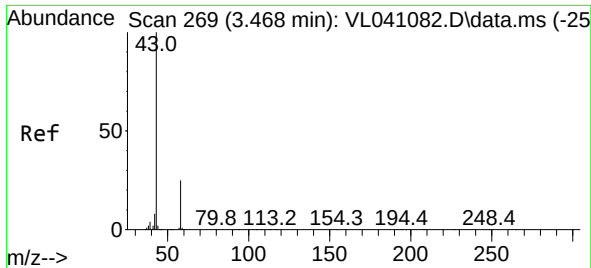


#14
Bromoethene
Concen: 1.038 ppbv
RT: 3.369 min Scan# 238
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23



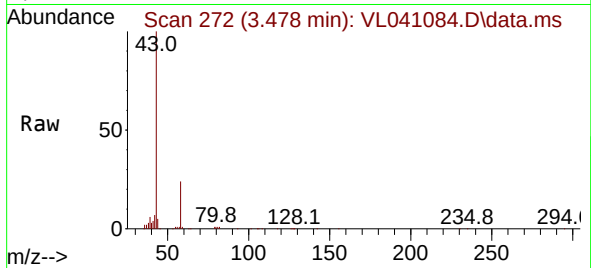
Tgt Ion:108 Resp: 64483
Ion Ratio Lower Upper
108 100
106 114.1 88.1 132.1
79 22.5 15.6 23.4





#15
Acetone
Concen: 1.116 ppbv
RT: 3.478 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

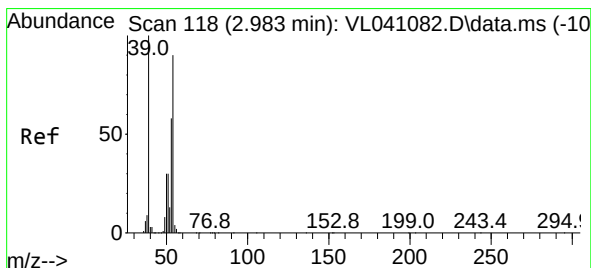
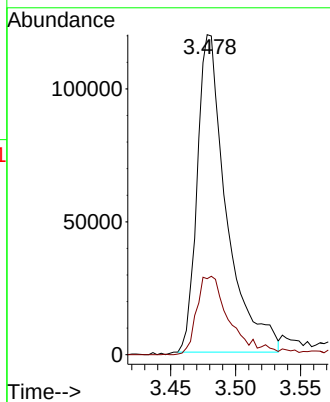
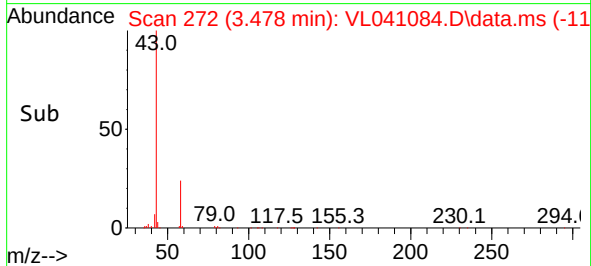
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



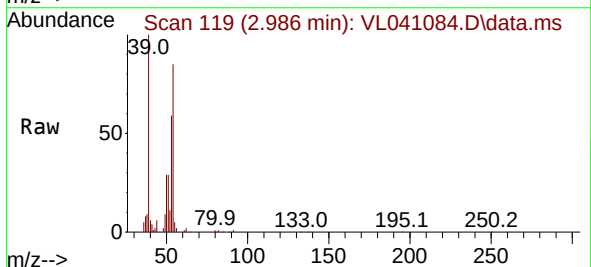
Tgt Ion: 43 Resp: 187424
Ion Ratio Lower Upper
43 100
58 29.2 21.7 32.5

Manual Integrations
APPROVED

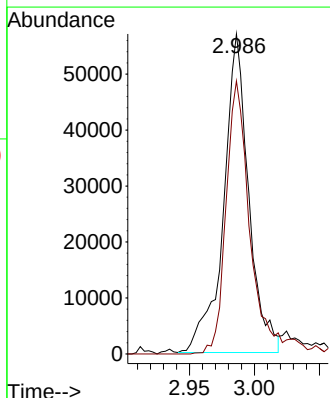
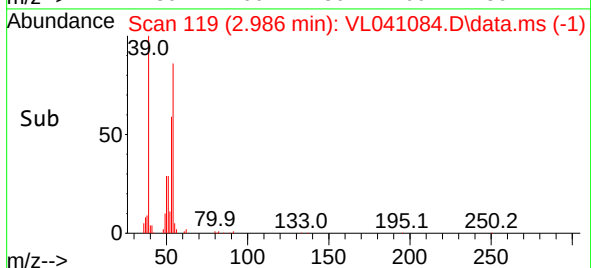
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024

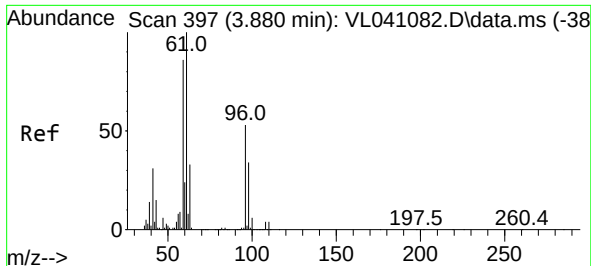


#16
1,3-Butadiene
Concen: 0.972 ppbv
RT: 2.986 min Scan# 119
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23



Tgt Ion: 39 Resp: 76891
Ion Ratio Lower Upper
39 100
54 84.9 64.0 96.0





#17

tert-Butyl alcohol

Concen: 1.124 ppbv m

RT: 3.886 min Scan# 399

Delta R.T. 0.007 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 59 Resp: 140338

Ion Ratio Lower Upper

59 100

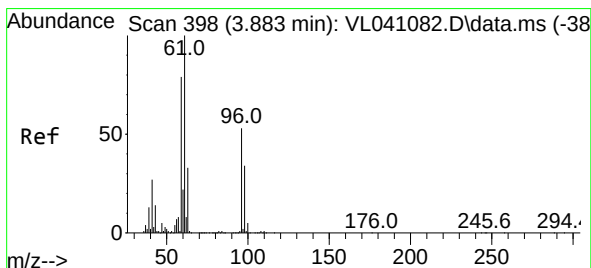
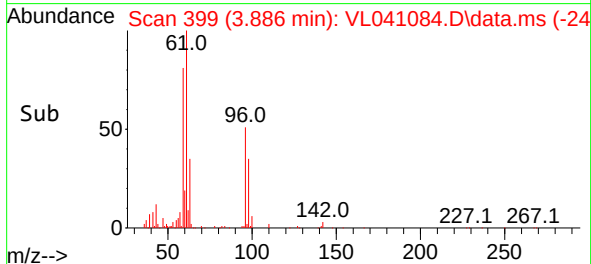
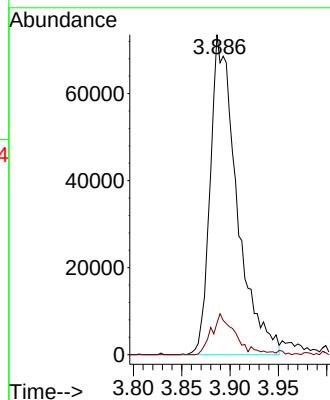
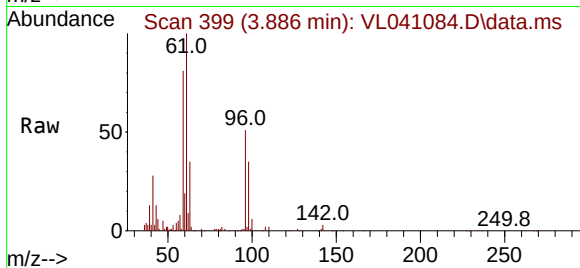
57 0.0 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#18

1,1-Dichloroethene

Concen: 1.017 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

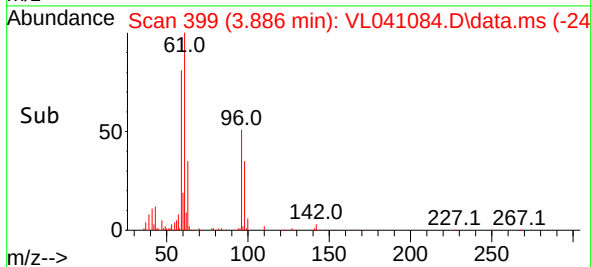
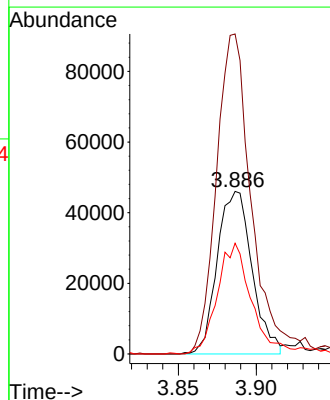
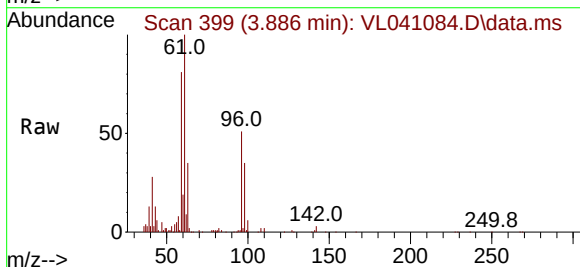
Tgt Ion: 96 Resp: 71331

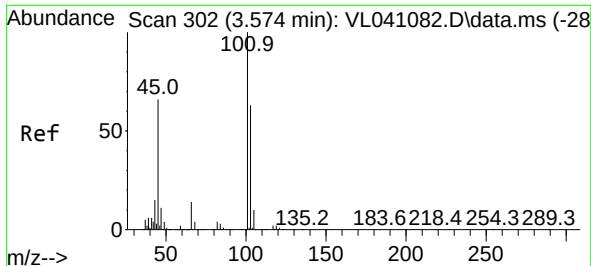
Ion Ratio Lower Upper

96 100

61 196.9 150.2 225.2

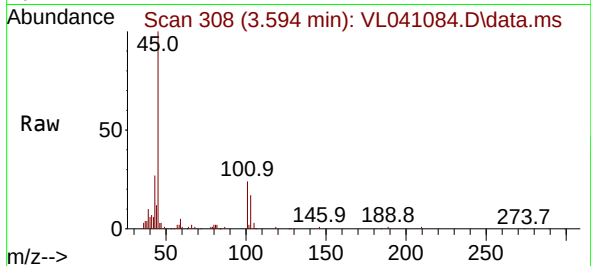
98 68.2 50.7 76.1





#19
Isopropyl Alcohol
Concen: 1.058 ppbv
RT: 3.594 min Scan# 308
Delta R.T. 0.019 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

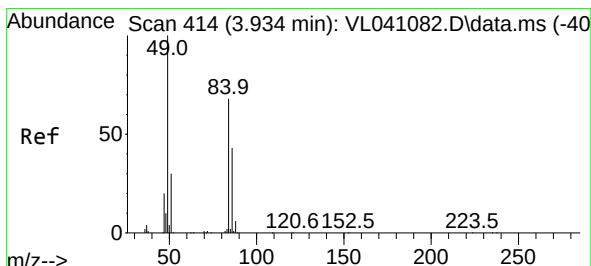
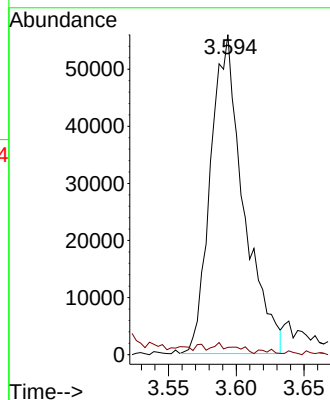
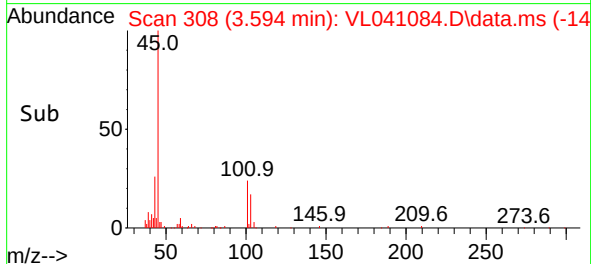
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 45 Resp: 9489
Ion Ratio Lower Upper
45 100
58 3.7 2.2 3.4

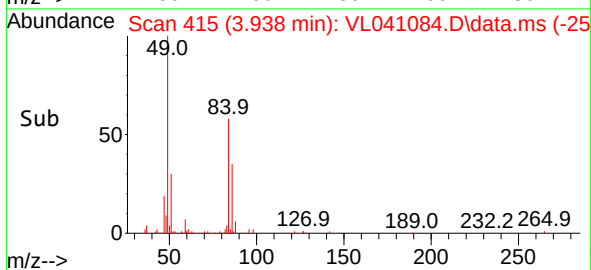
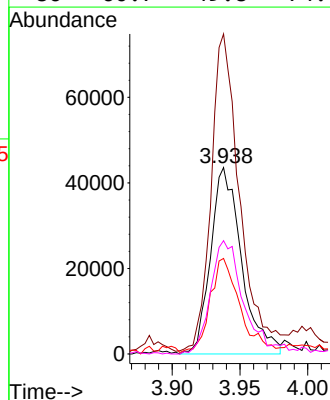
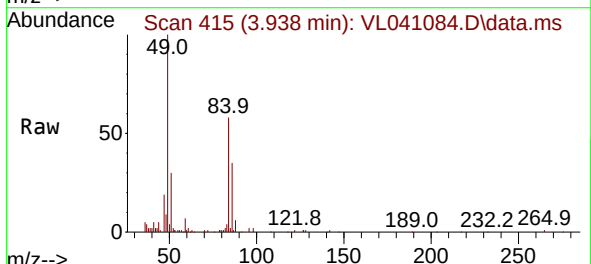
Manual Integrations
APPROVED

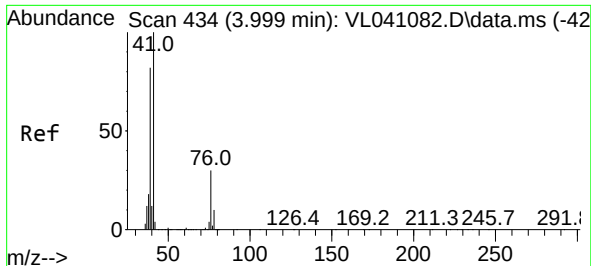
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#20
Methylene Chloride
Concen: 1.057 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion: 84 Resp: 69243
Ion Ratio Lower Upper
84 100
49 169.9 117.0 175.6
51 50.4 34.9 52.3
86 60.7 49.8 74.6





#21

Allyl Chloride

Concen: 0.996 ppbv

RT: 4.005 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 9444

Ion Ratio Lower Upper

41 100

76 33.8 25.5 38.3

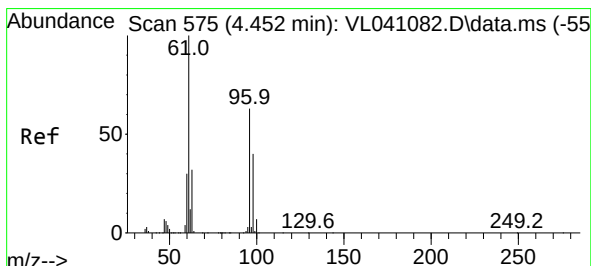
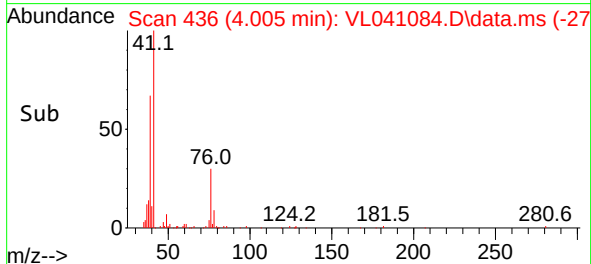
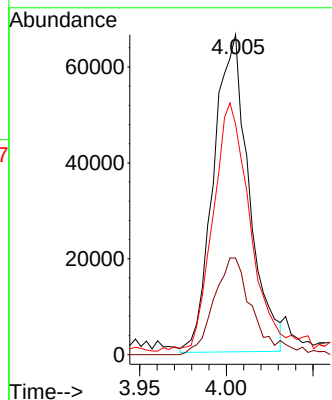
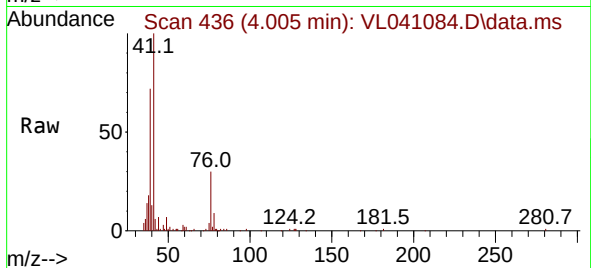
39 86.6 67.4 101.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#22

trans-1,2-Dichloroethene

Concen: 0.967 ppbv

RT: 4.452 min Scan# 575

Delta R.T. 0.000 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

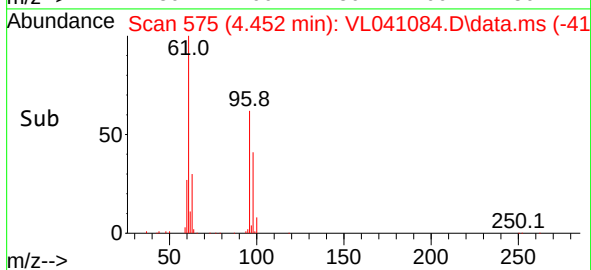
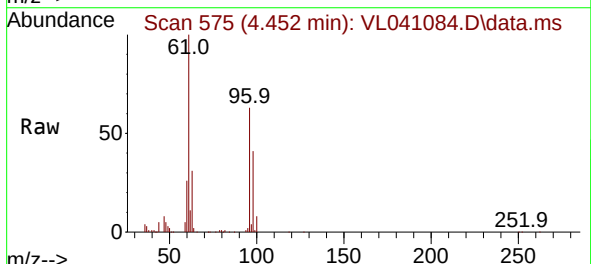
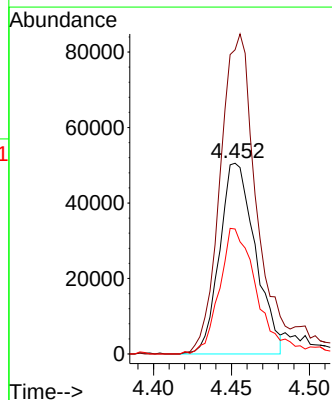
Tgt Ion: 96 Resp: 80715

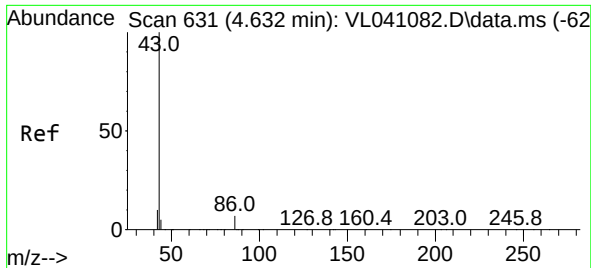
Ion Ratio Lower Upper

96 100

61 159.5 126.7 190.1

98 65.5 50.1 75.1





#23
 Vinyl Acetate
 Concen: 1.005 ppbv
 RT: 4.639 min Scan# 611
 Delta R.T. 0.007 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

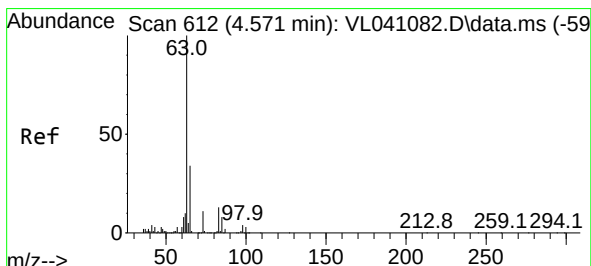
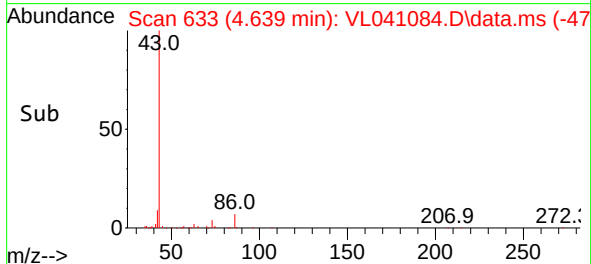
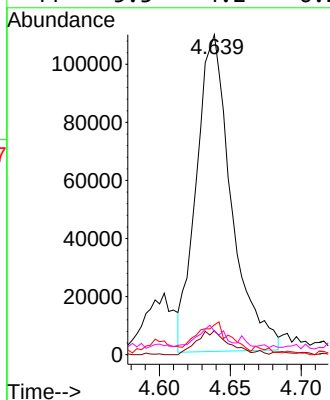
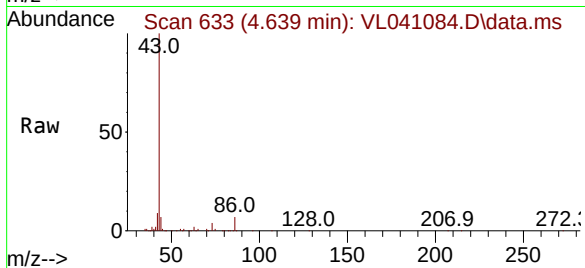
VSTDICC001

Tgt Ion: 43 Resp: 18744
 Ion Ratio Lower Upper
 43 100
 86 7.9 5.4 8.2
 42 9.1 8.0 12.0
 44 5.3 4.2 6.2

Manual Integrations

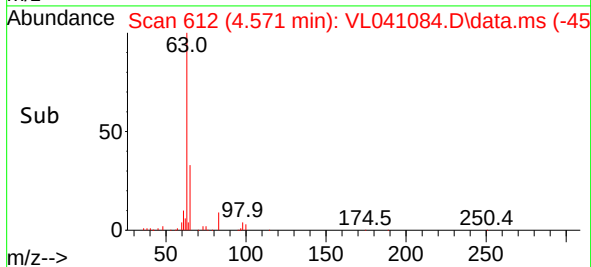
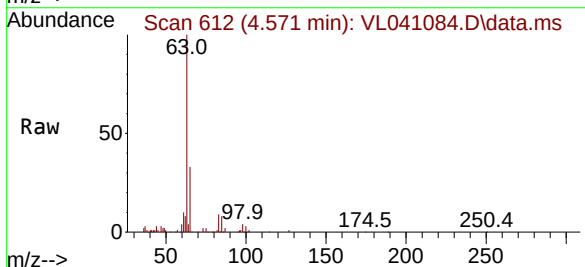
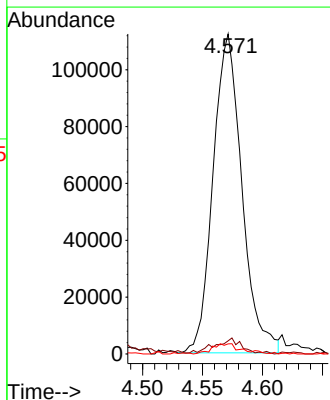
APPROVED

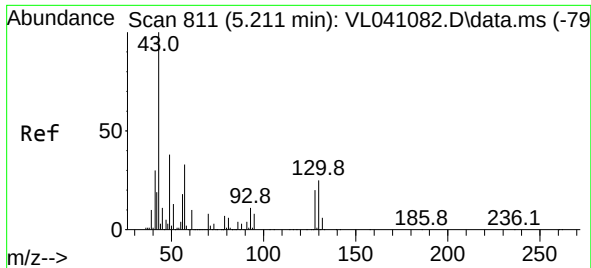
Reviewed By :Semsettin Yesilyurt 03/12/2024
 Supervised By :Mahesh Dadoda 03/12/2024



#24
 1,1-Dichloroethane
 Concen: 1.093 ppbv
 RT: 4.571 min Scan# 612
 Delta R.T. 0.000 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

Tgt Ion: 63 Resp: 187686
 Ion Ratio Lower Upper
 63 100
 98 3.9 2.1 6.5
 100 3.2 1.4 4.2





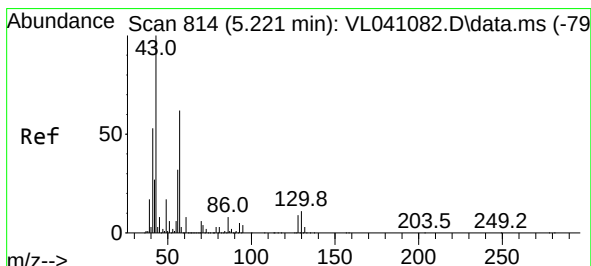
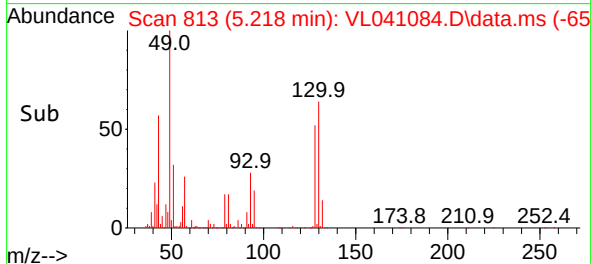
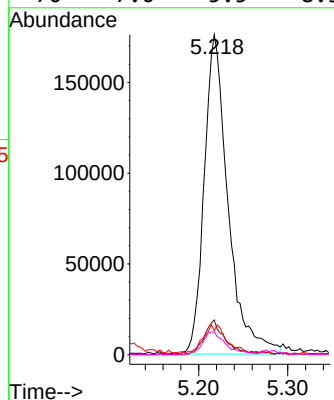
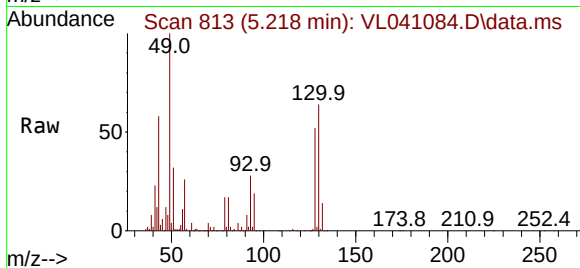
#25
Ethyl Acetate
Concen: 1.082 ppbv
RT: 5.218 min Scan# 811
Delta R.T. 0.007 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 327572
Ion Ratio Lower Upper
43 100
45 10.1 8.2 12.2
61 10.3 8.2 12.2
70 7.0 5.5 8.3

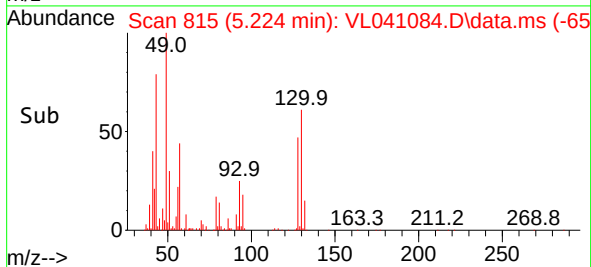
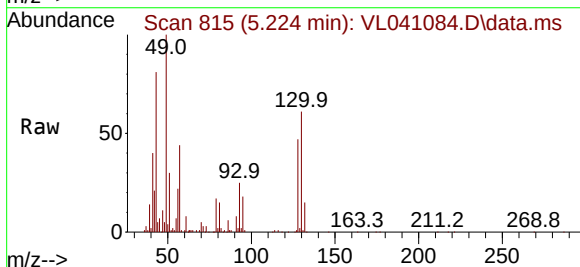
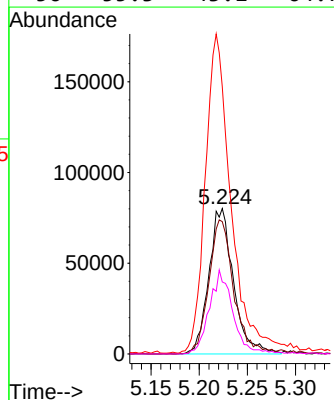
Manual Integrations
APPROVED

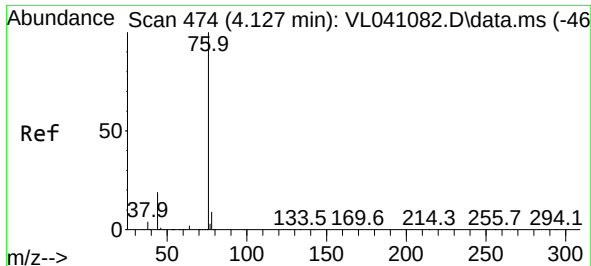
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#26
Hexane
Concen: 1.053 ppbv m
RT: 5.224 min Scan# 815
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion: 57 Resp: 142879
Ion Ratio Lower Upper
57 100
41 95.4 73.8 110.6
43 0.0 184.2 276.2#
56 55.3 43.1 64.7





#27

Carbon Disulfide

Concen: 1.001 ppbv

RT: 4.131 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041084.D

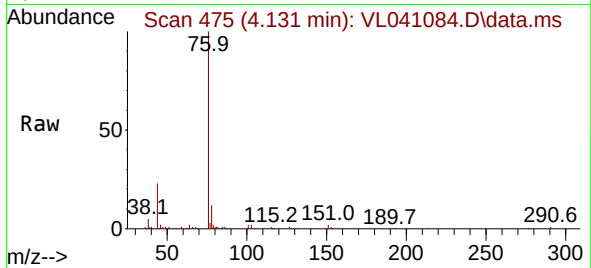
Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001



Tgt Ion: 76 Resp: 162330

Ion Ratio Lower Upper

76 100

44 26.7 16.0 24.0

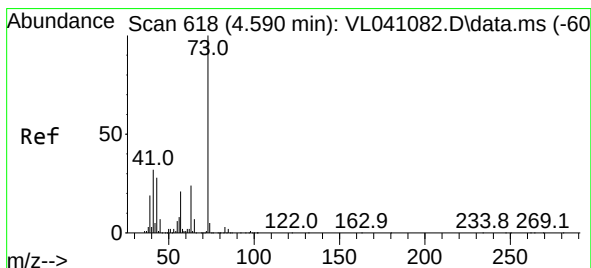
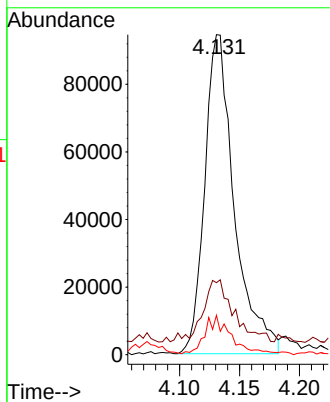
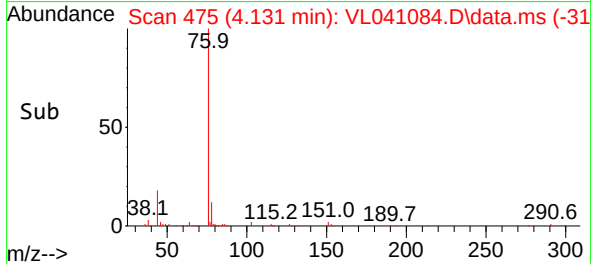
78 11.3 7.5 11.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#28

Methyl tert-Butyl Ether

Concen: 1.075 ppbv

RT: 4.600 min Scan# 621

Delta R.T. 0.010 min

Lab File: VL041084.D

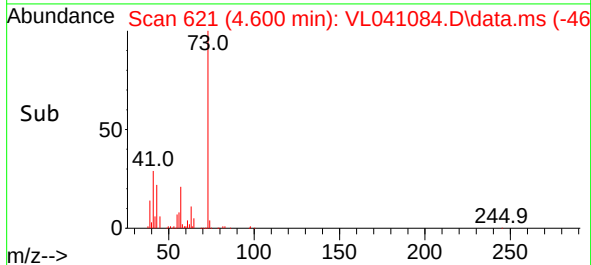
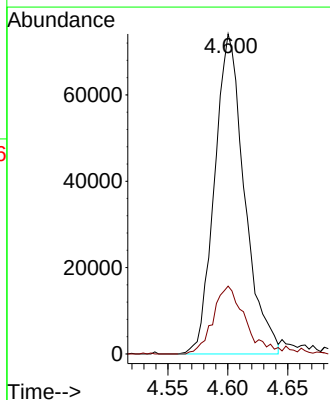
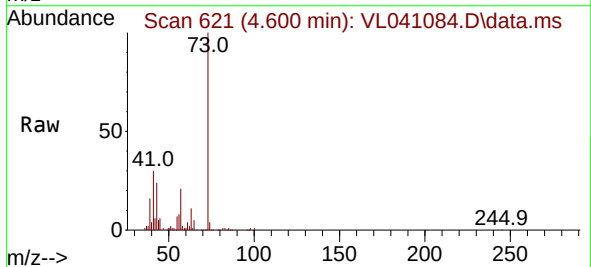
Acq: 11 Mar 2024 12:23

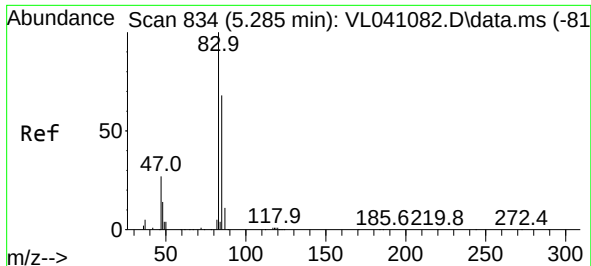
Tgt Ion: 73 Resp: 128599

Ion Ratio Lower Upper

73 100

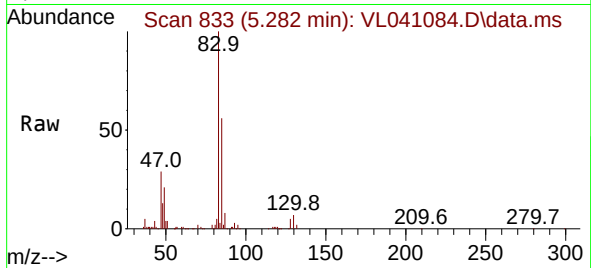
57 23.9 18.2 27.4





#29
Chloroform
Concen: 1.062 ppbv
RT: 5.282 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

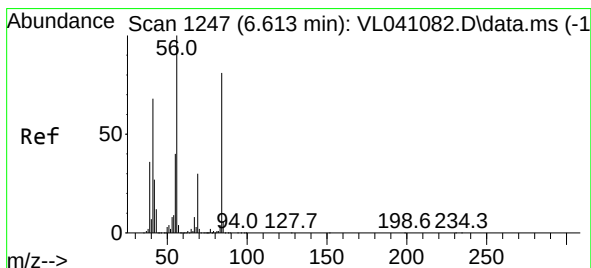
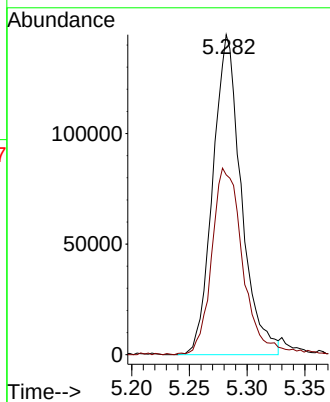
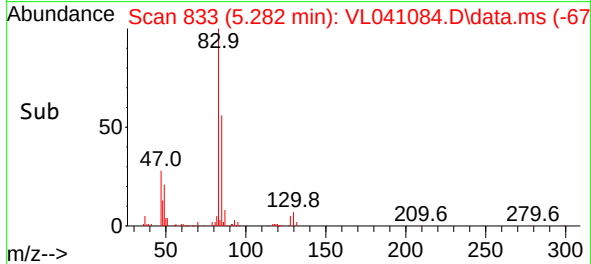
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 83 Resp: 248014
Ion Ratio Lower Upper
83 100
85 55.8 54.6 82.0

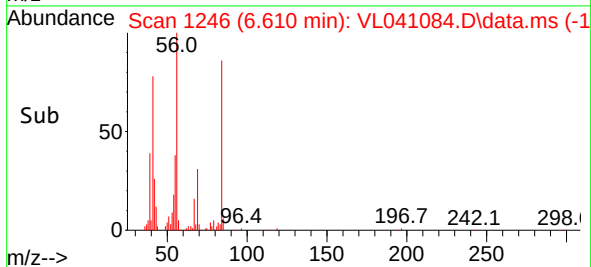
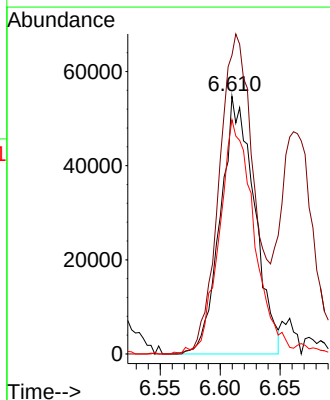
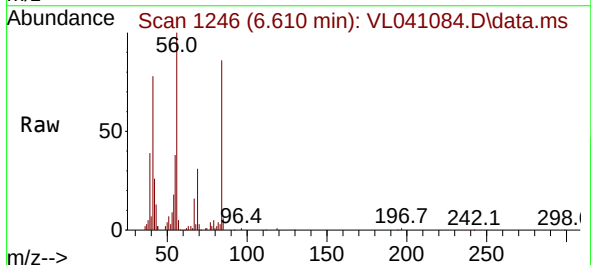
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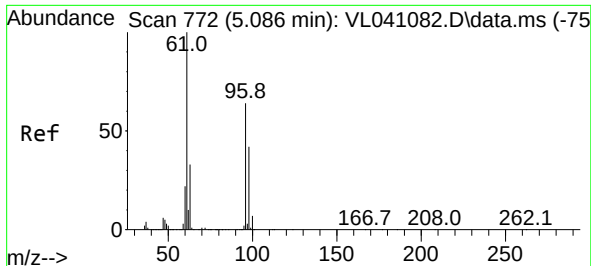
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#30
Cyclohexane
Concen: 0.972 ppbv
RT: 6.610 min Scan# 1246
Delta R.T. -0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion: 84 Resp: 107935
Ion Ratio Lower Upper
84 100
56 120.8 110.4 165.6
41 95.2 70.6 105.8





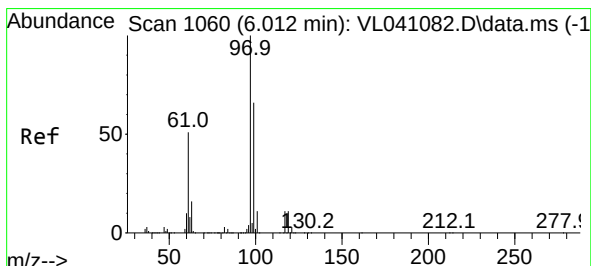
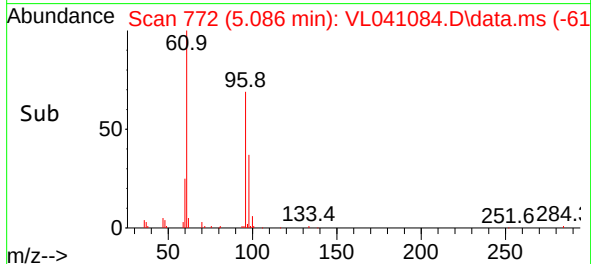
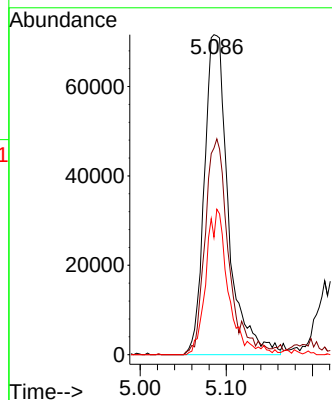
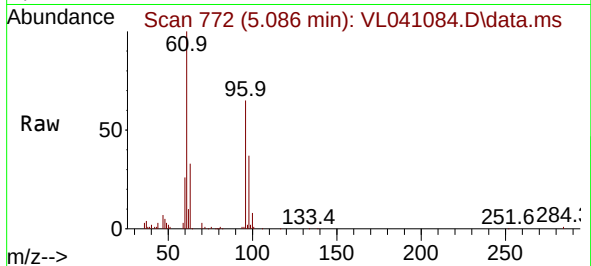
#31
 cis-1,2-Dichloroethene
 Concen: 1.055 ppbv m
 RT: 5.086 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Tgt Ion: 61 Resp: 138698
 Ion Ratio Lower Upper
 61 100
 96 64.5 51.2 76.8
 98 36.7 33.4 50.0

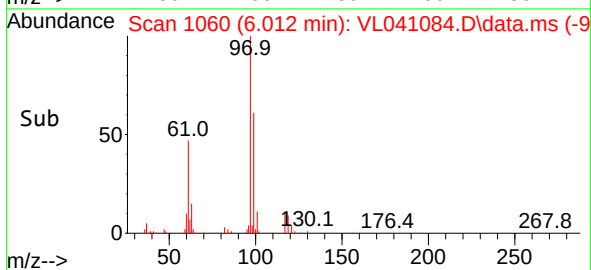
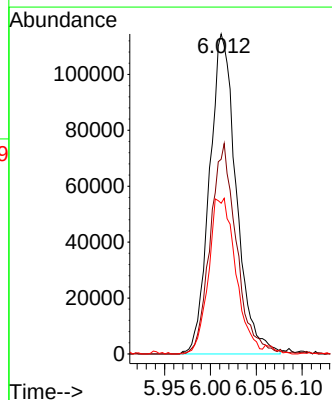
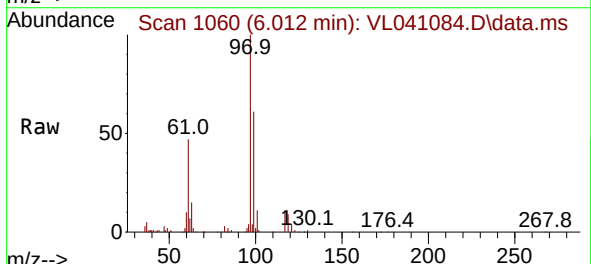
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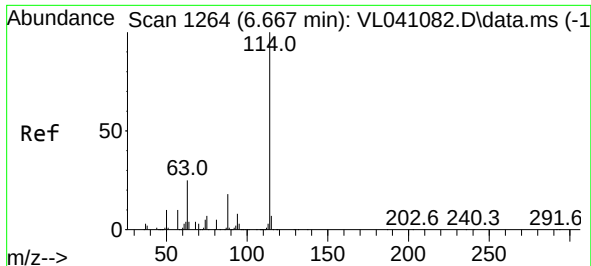
Reviewed By :Semsettin Yesilyurt 03/12/2024
 Supervised By :Mahesh Dadoda 03/12/2024



#32
 1,1,1-Trichloroethane
 Concen: 1.110 ppbv
 RT: 6.012 min Scan# 1060
 Delta R.T. 0.000 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

Tgt Ion: 97 Resp: 232090
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.4 78.6
 61 50.7 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 114

Delta R.T. -0.003 min

Lab File: VL041084.D

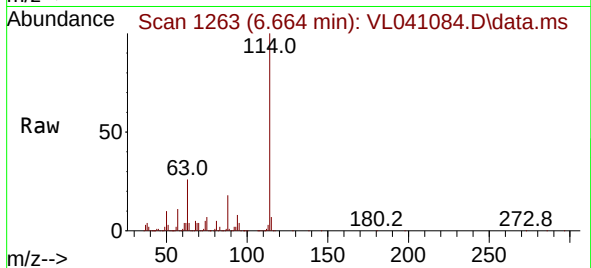
Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



Tgt Ion:114 Resp: 3823500

Ion Ratio Lower Upper

114 100

63 25.4 21.0 31.6

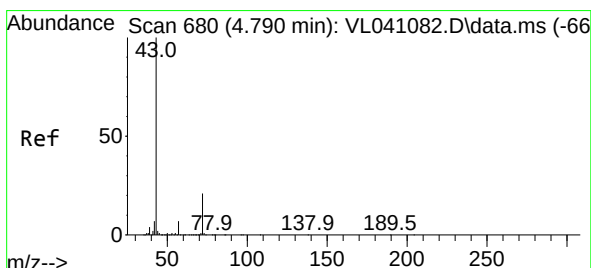
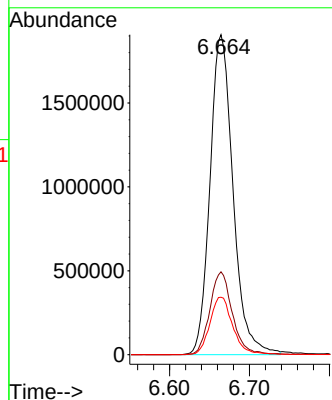
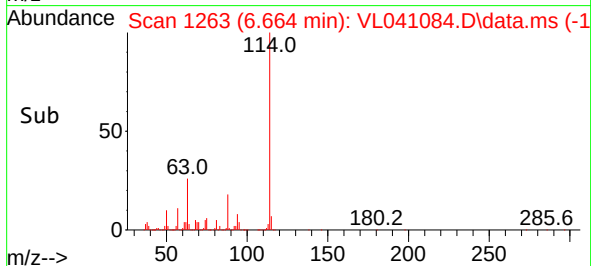
88 18.0 14.6 22.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#34

2-Butanone

Concen: 1.011 ppbv

RT: 4.800 min Scan# 683

Delta R.T. 0.010 min

Lab File: VL041084.D

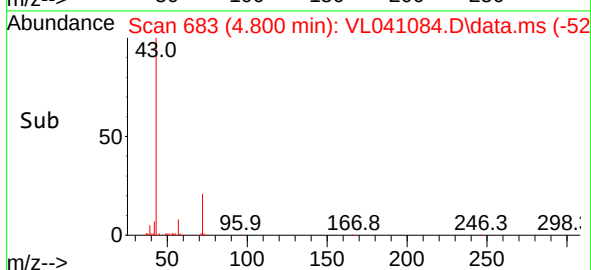
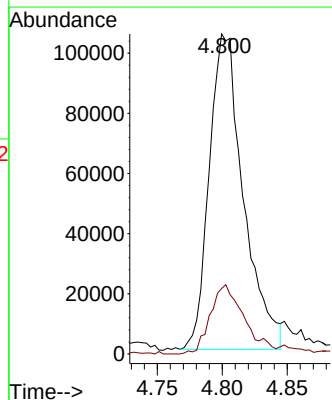
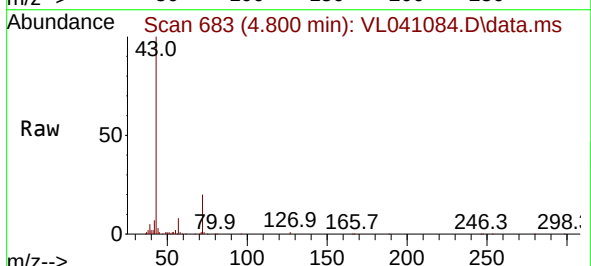
Acq: 11 Mar 2024 12:23

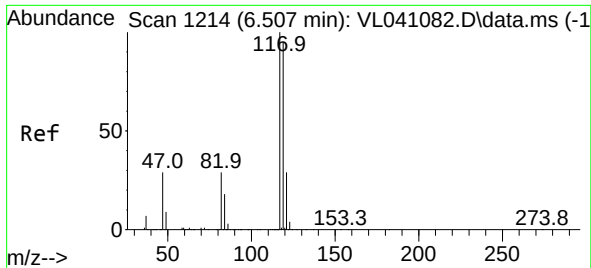
Tgt Ion: 43 Resp: 191837

Ion Ratio Lower Upper

43 100

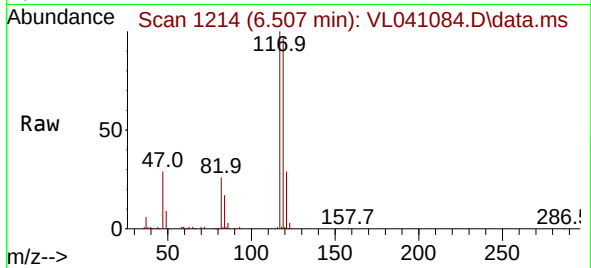
72 24.2 17.4 26.0





#35
Carbon Tetrachloride
Concen: 1.070 ppbv
RT: 6.507 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

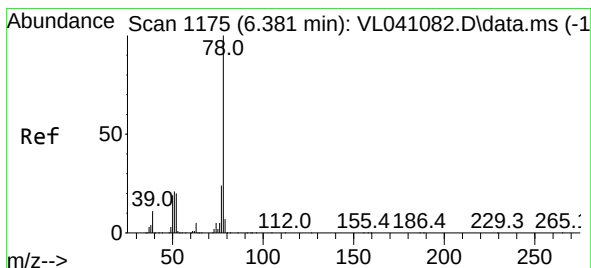
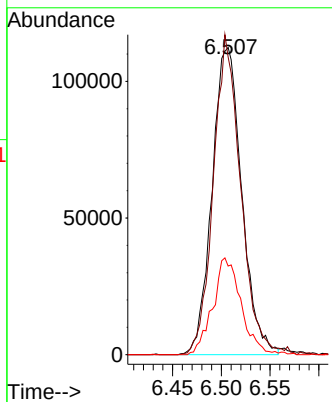
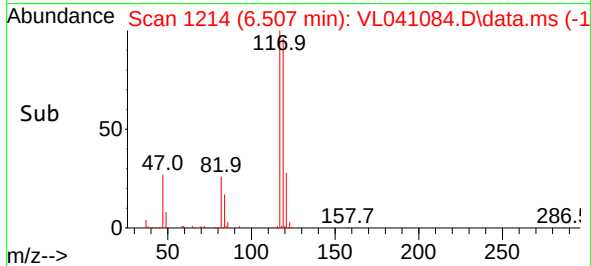
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



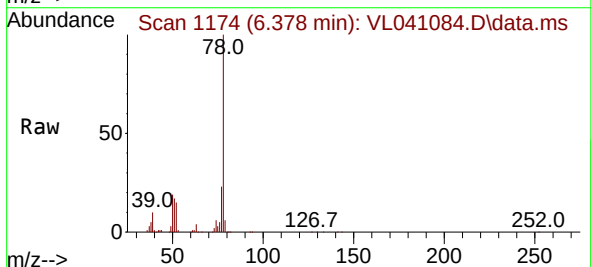
Tgt Ion:117 Resp: 23818
Ion Ratio Lower Upper
117 100
119 96.9 75.6 113.4
121 29.2 23.4 35.2

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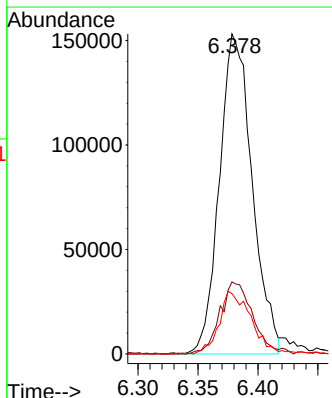
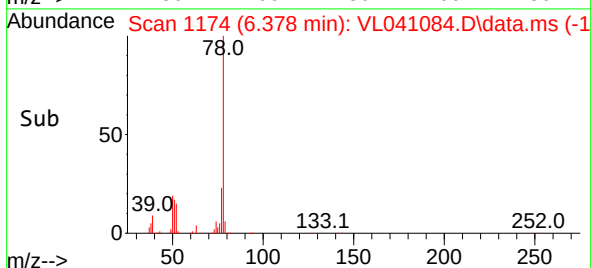
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024

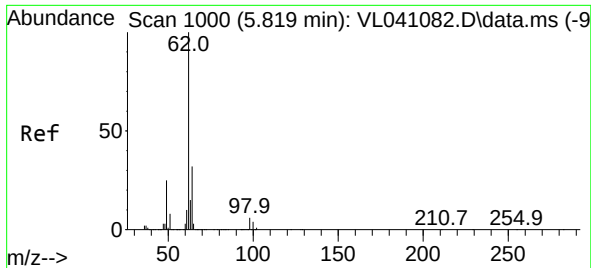


#36
Benzene
Concen: 1.021 ppbv
RT: 6.378 min Scan# 1174
Delta R.T. -0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23



Tgt Ion: 78 Resp: 290585
Ion Ratio Lower Upper
78 100
77 22.5 18.8 28.2
50 18.6 15.5 23.3





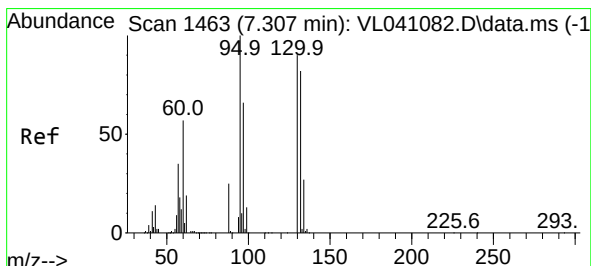
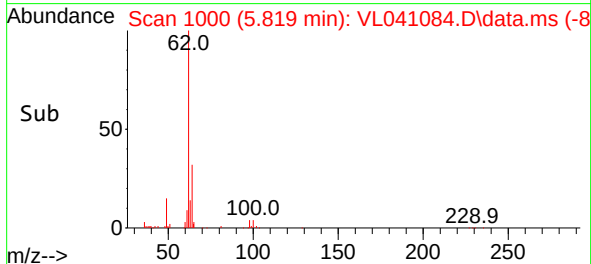
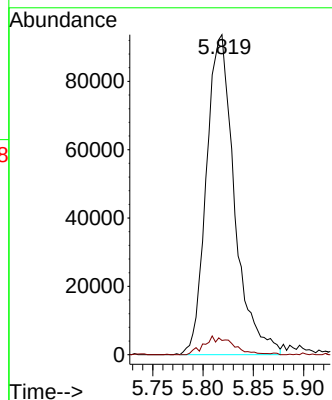
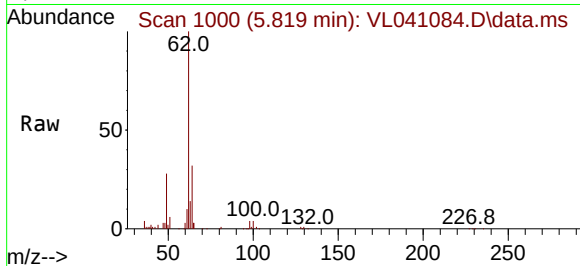
#37
1,2-Dichloroethane
Concen: 1.063 ppbv
RT: 5.819 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 18204
Ion Ratio Lower Upper
62 100
98 6.1 4.6 6.8

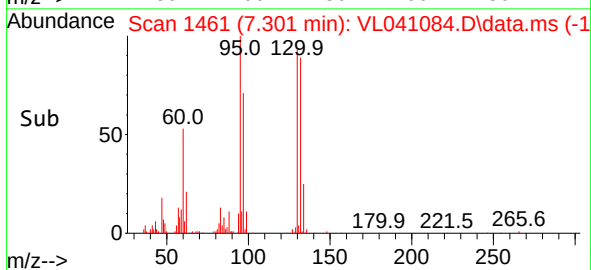
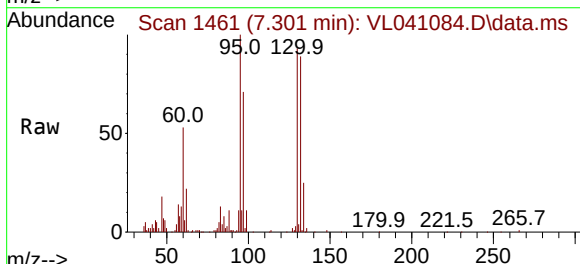
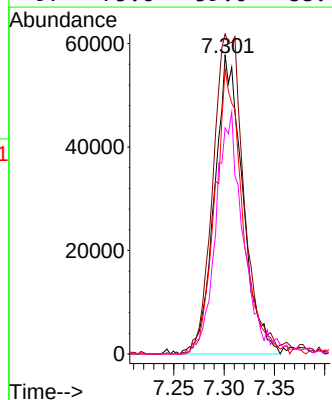
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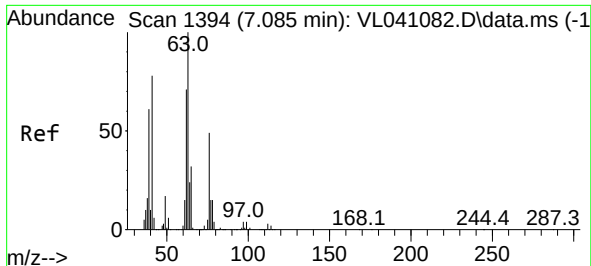
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#38
Trichloroethene
Concen: 1.060 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion:130 Resp: 112573
Ion Ratio Lower Upper
130 100
95 107.0 88.8 133.2
132 95.1 73.0 109.4
97 75.6 59.0 88.4





#39

1,2-Dichloropropane

Concen: 1.025 ppbv

RT: 7.086 min Scan# 116598

Delta R.T. 0.000 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

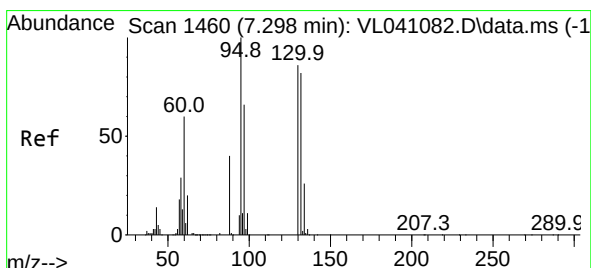
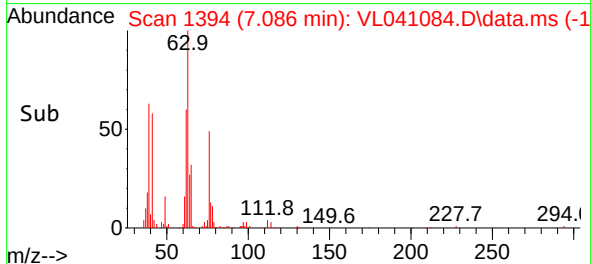
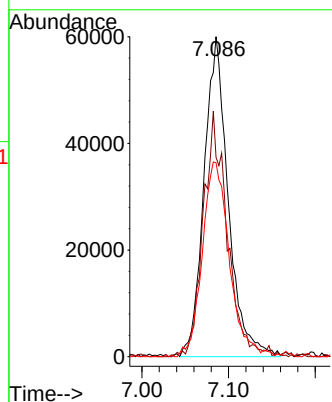
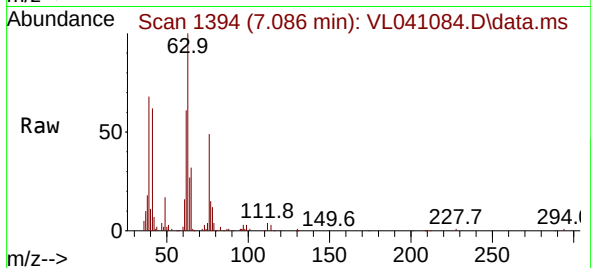
Tgt Ion: 63 Resp: 116598

Ion	Ratio	Lower	Upper
63	100		
41	61.9	62.2	93.4#
62	60.2	57.0	85.4#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#40

1,4-Dioxane

Concen: 1.079 ppbv m

RT: 7.317 min Scan# 1466

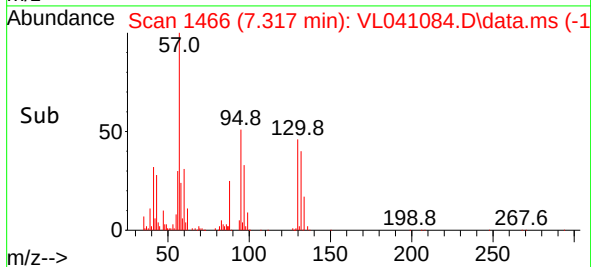
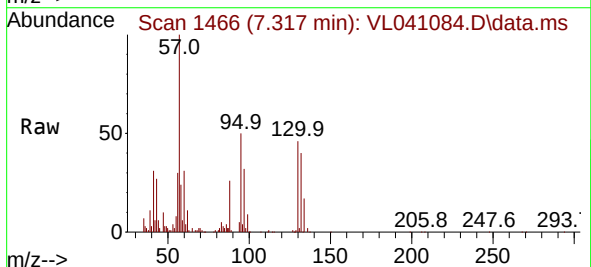
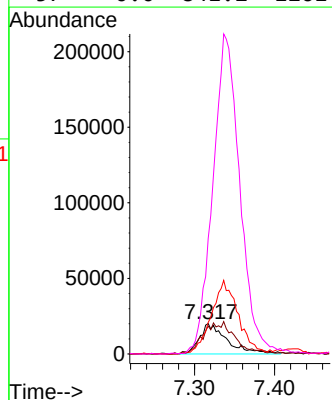
Delta R.T. 0.019 min

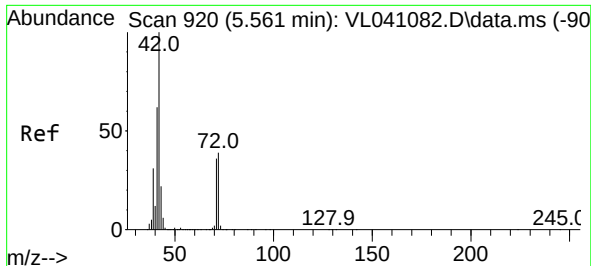
Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Tgt Ion: 88 Resp: 48402

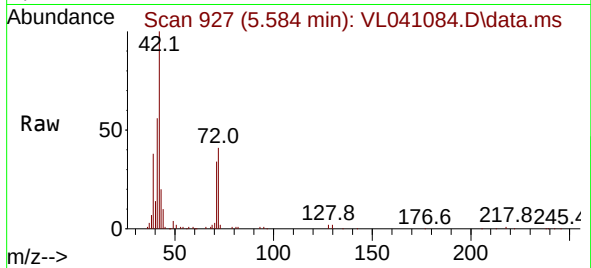
Ion	Ratio	Lower	Upper
88	100		
58	0.0	96.3	144.5#
43	0.0	195.7	293.5#
57	0.0	841.2	1261.8#





#41
Tetrahydrofuran
Concen: 0.958 ppbv
RT: 5.584 min Scan# 91
Delta R.T. 0.023 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

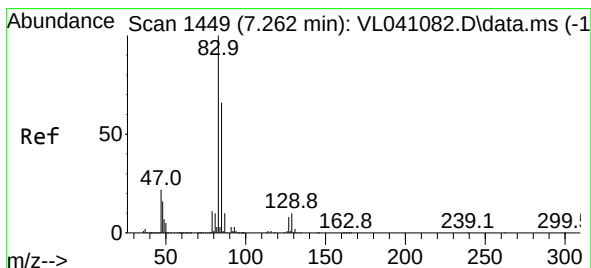
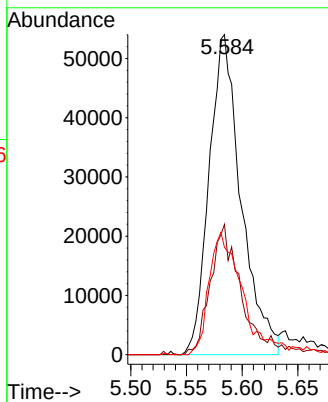
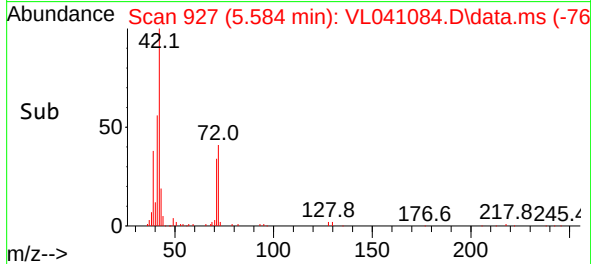
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 42 Resp: 10788
Ion Ratio Lower Upper
42 100
72 41.1 30.7 46.1
71 42.1 29.6 44.4

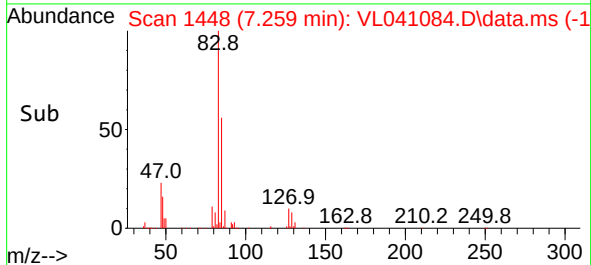
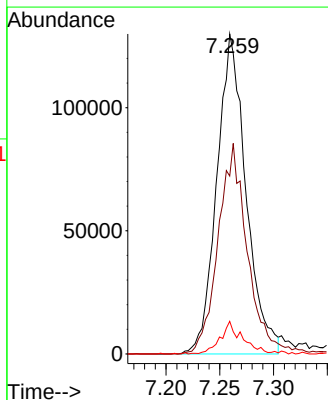
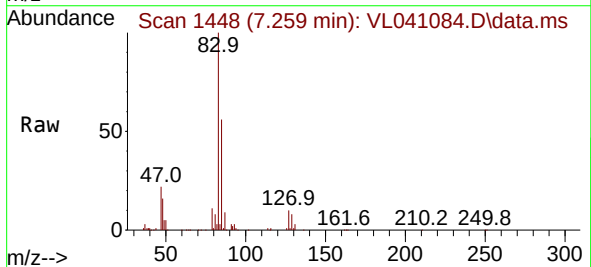
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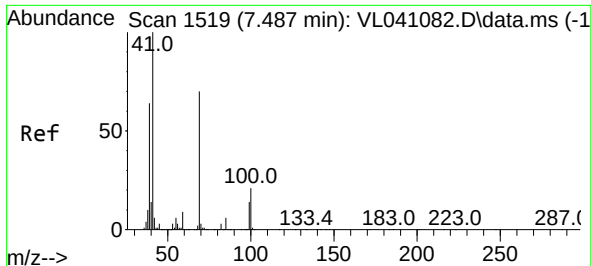
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#42
Bromodichloromethane
Concen: 1.000 ppbv
RT: 7.259 min Scan# 1448
Delta R.T. -0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion: 83 Resp: 245198
Ion Ratio Lower Upper
83 100
85 55.6 53.1 79.7
127 10.2 6.2 9.4





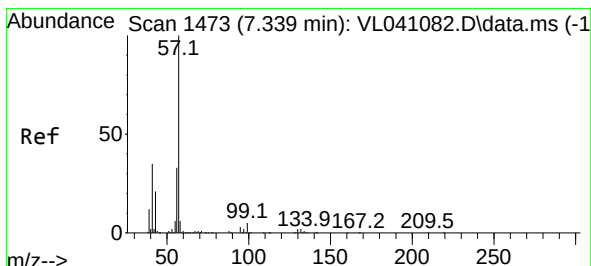
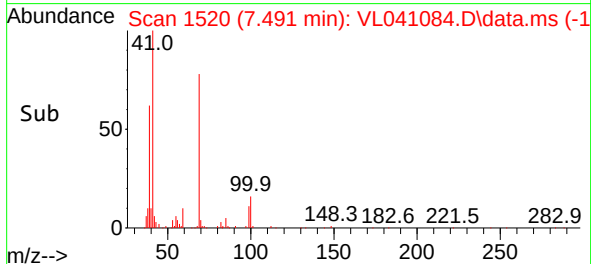
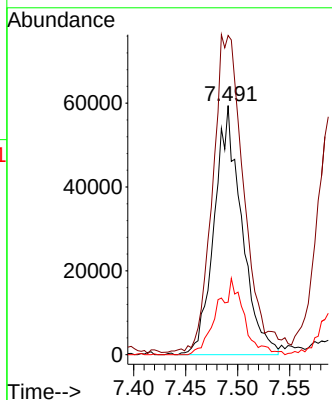
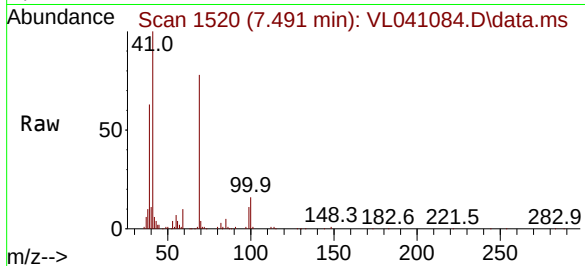
#43
Methyl Methacrylate
Concen: 0.993 ppbv
RT: 7.491 min Scan# 1519
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 69 Resp: 109150
Ion Ratio Lower Upper
69 100
41 148.5 118.2 177.4
100 30.3 24.8 37.2

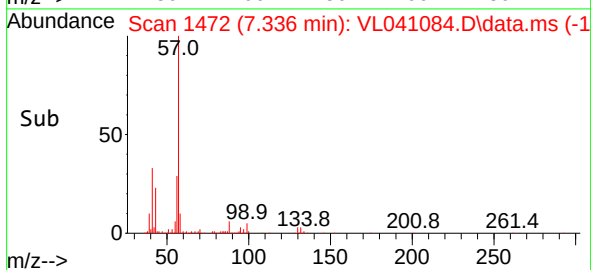
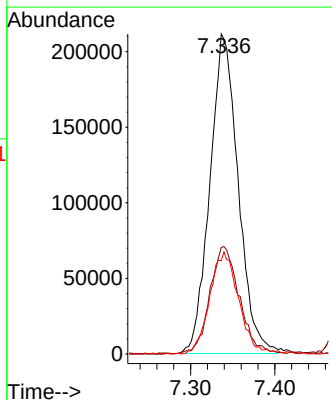
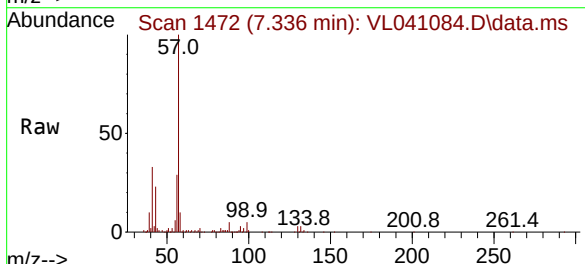
Manual Integrations
APPROVED

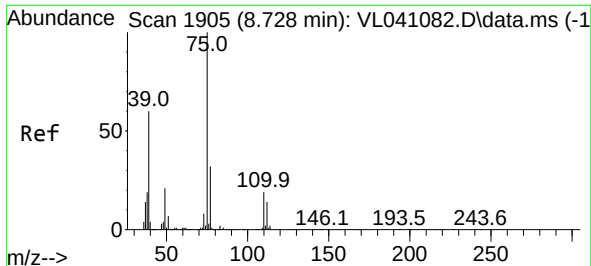
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#44
2,2,4-Trimethylpentane
Concen: 1.035 ppbv
RT: 7.336 min Scan# 1472
Delta R.T. -0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion: 57 Resp: 492404
Ion Ratio Lower Upper
57 100
41 35.2 28.0 42.0
56 33.1 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 0.877 ppbv m

RT: 8.719 min Scan# 1905

Delta R.T. -0.010 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 75 Resp: 66974

Ion Ratio Lower Upper

75 100

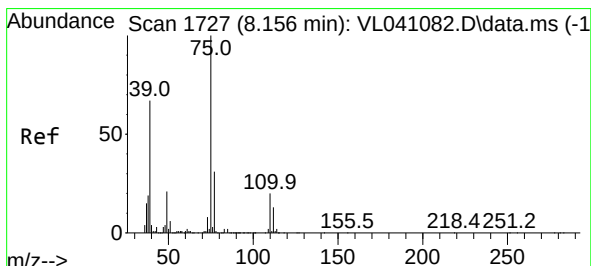
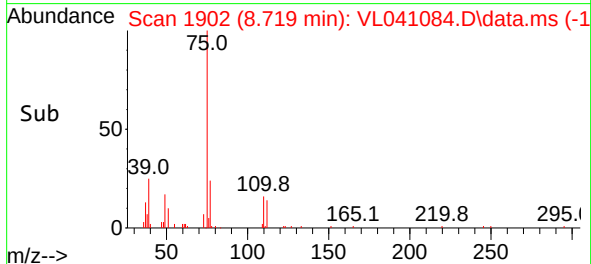
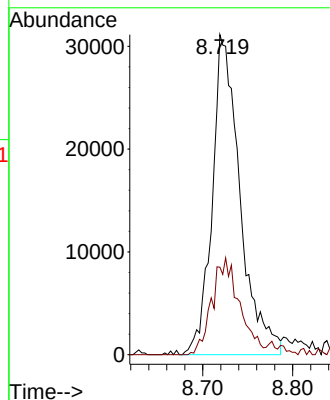
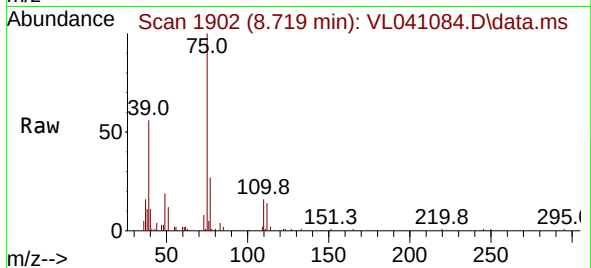
77 27.3 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#46

cis-1,3-Dichloropropene

Concen: 0.883 ppbv

RT: 8.156 min Scan# 1727

Delta R.T. 0.000 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

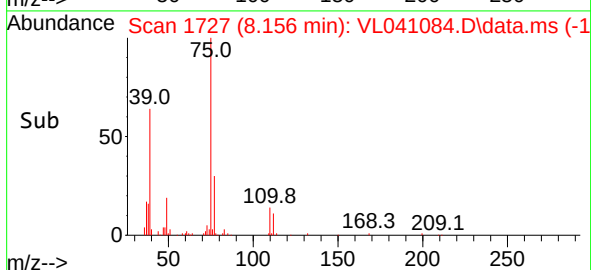
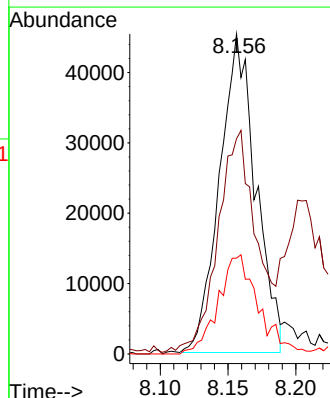
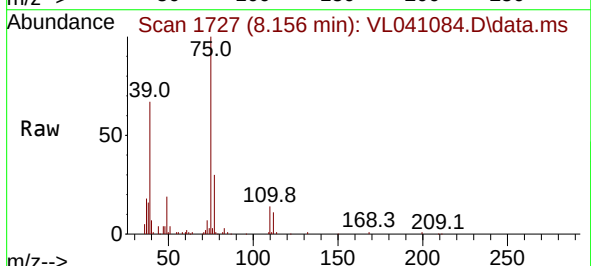
Tgt Ion: 75 Resp: 83983

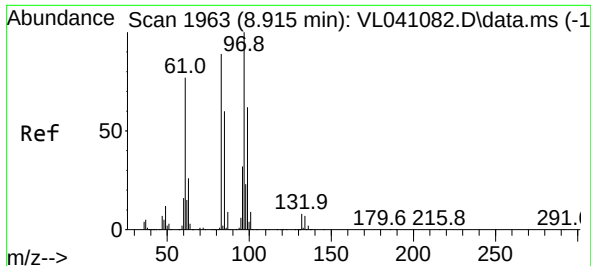
Ion Ratio Lower Upper

75 100

39 64.9 53.3 79.9

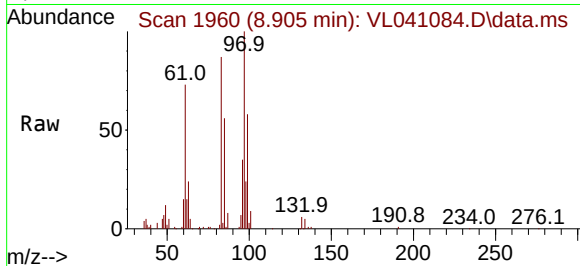
77 30.1 25.2 37.8





#47
1,1,2-Trichloroethane
Concen: 0.964 ppbv
RT: 8.905 min Scan# 1963
Delta R.T. -0.009 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

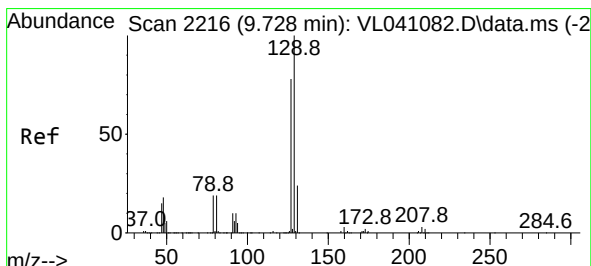
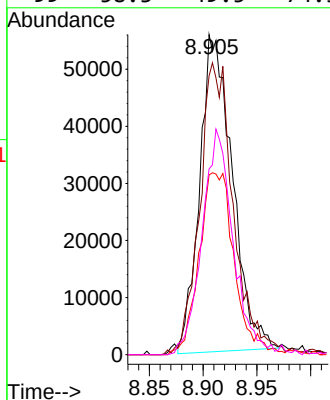
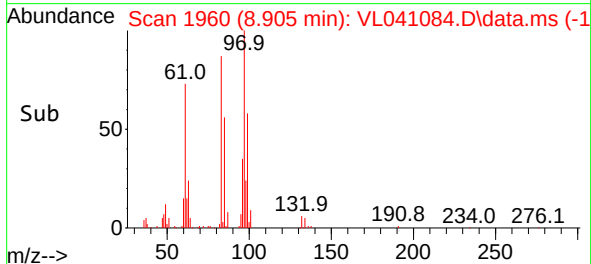
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 97 Resp: 11731
Ion Ratio Lower Upper
97 100
83 86.9 71.1 106.7
85 56.7 48.2 72.2
99 58.3 49.5 74.3

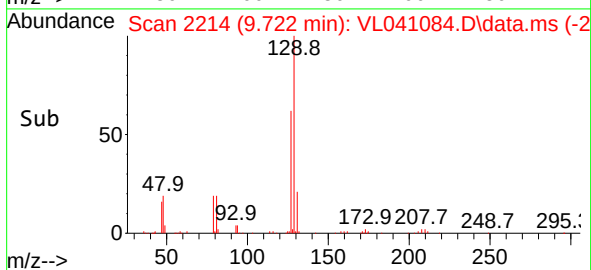
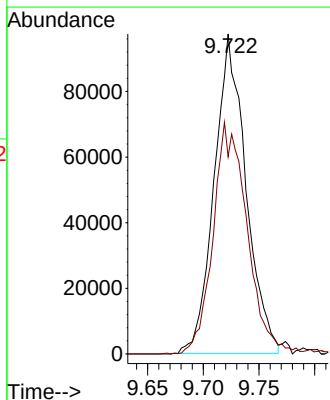
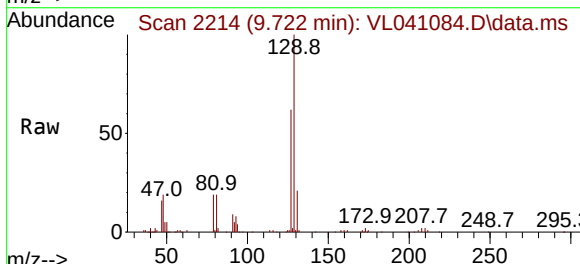
Manual Integrations
APPROVED

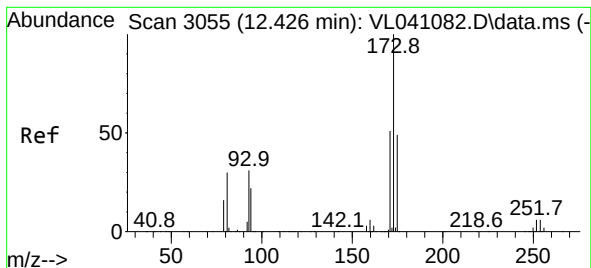
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#48
Dibromochloromethane
Concen: 0.972 ppbv
RT: 9.722 min Scan# 2214
Delta R.T. -0.006 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion:129 Resp: 192702
Ion Ratio Lower Upper
129 100
127 78.7 39.6 118.8





#49

Bromoform

Concen: 0.953 ppbv

RT: 12.420 min Scan# 3055

Delta R.T. -0.006 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

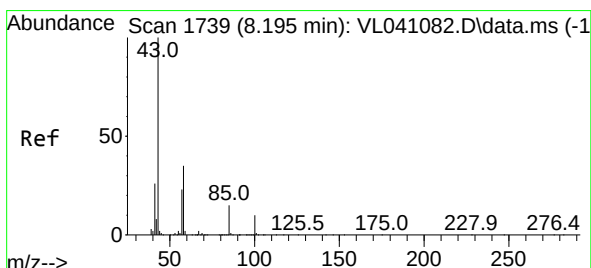
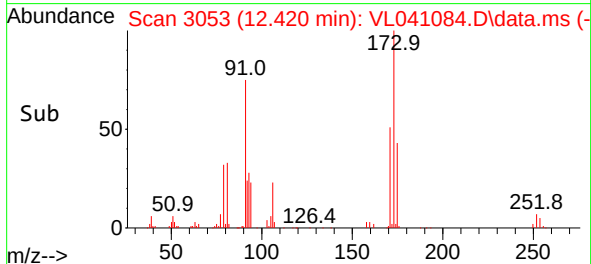
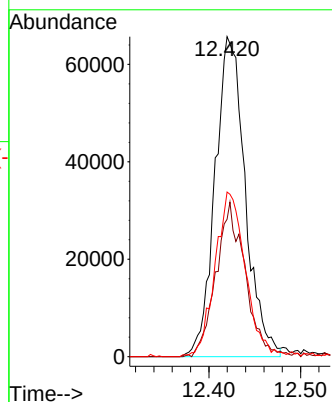
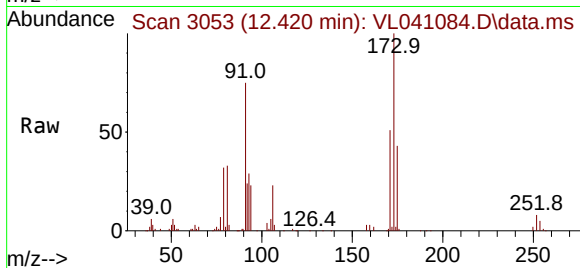
VSTDICC001

Tgt Ion:	173	Resp:	15011
Ion Ratio	Lower	Upper	
173	100		
175	46.7	39.0	58.6
171	52.8	41.8	62.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#50

4-Methyl-2-Pentanone

Concen: 0.987 ppbv

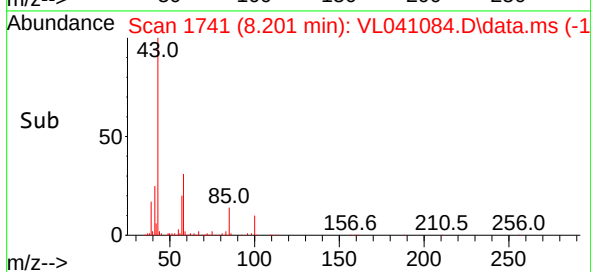
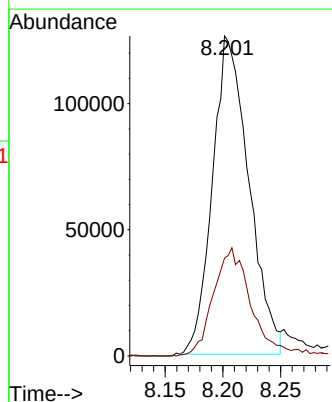
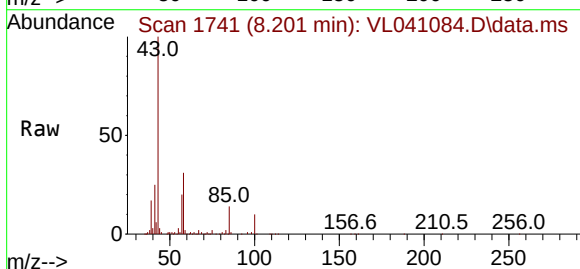
RT: 8.201 min Scan# 1741

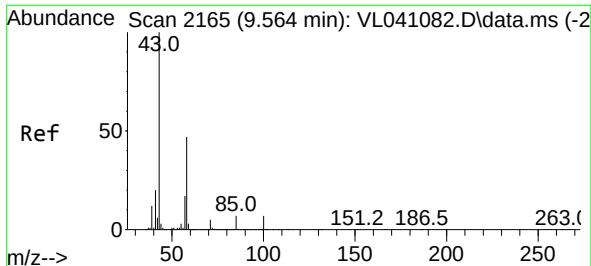
Delta R.T. 0.007 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

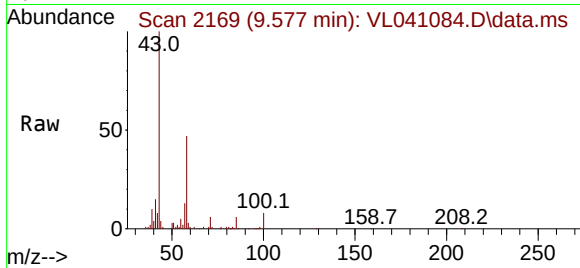
Tgt Ion:	43	Resp:	275650
Ion Ratio	Lower	Upper	
43	100		
58	36.0	28.3	42.5





#51
2-Hexanone
Concen: 1.027 ppbv m
RT: 9.577 min Scan# 2165
Delta R.T. 0.013 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

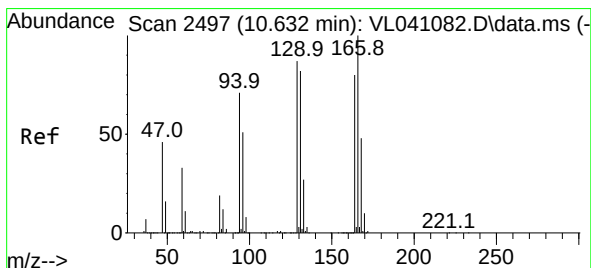
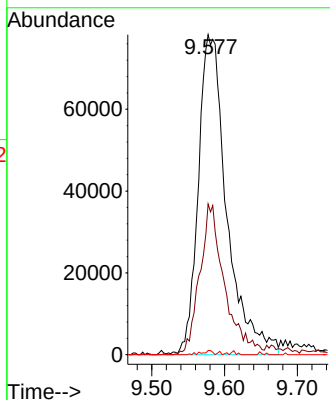
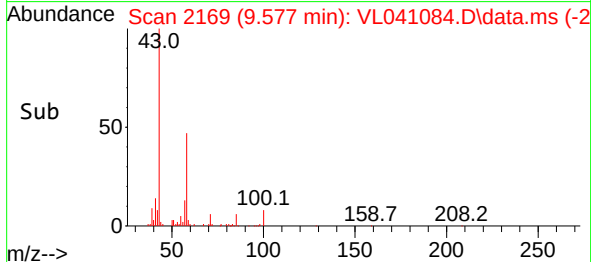
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 43 Resp: 212304
Ion Ratio Lower Upper
43 100
58 44.2 37.4 56.2
98 0.6 0.4 0.6

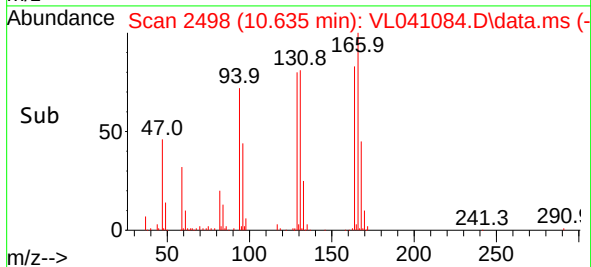
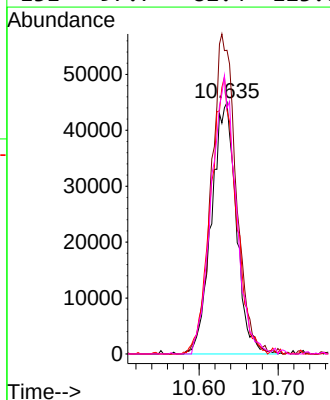
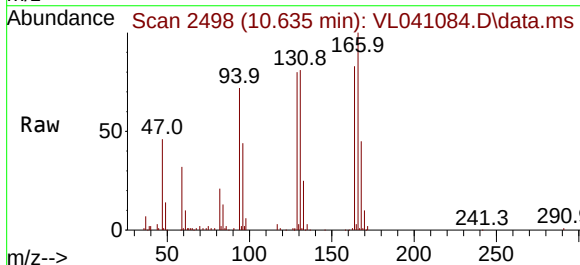
Manual Integrations
APPROVED

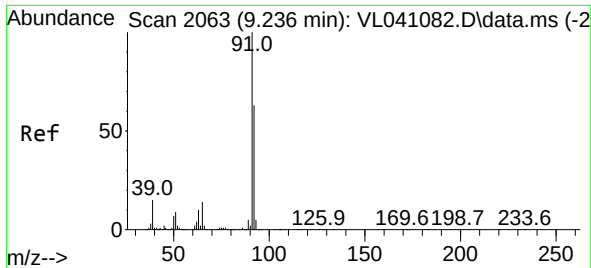
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#52
Tetrachloroethene
Concen: 1.105 ppbv m
RT: 10.635 min Scan# 2498
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion:164 Resp: 97774
Ion Ratio Lower Upper
164 100
166 120.8 100.6 150.8
129 96.7 87.2 130.8
131 97.7 82.4 123.6





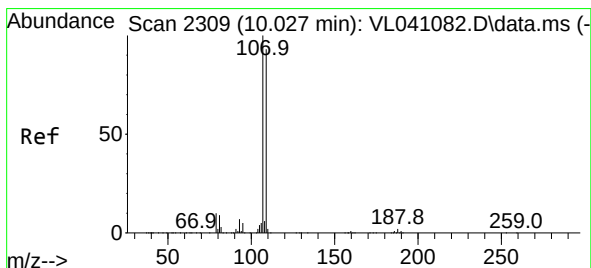
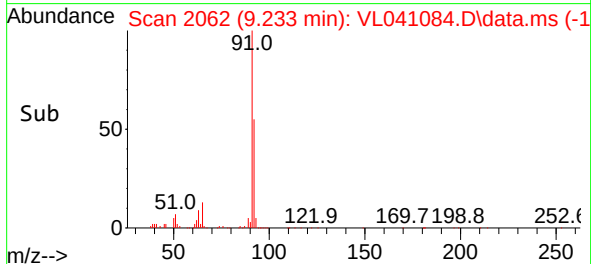
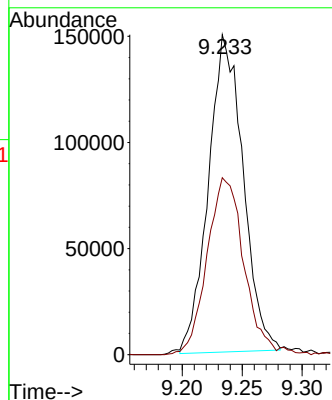
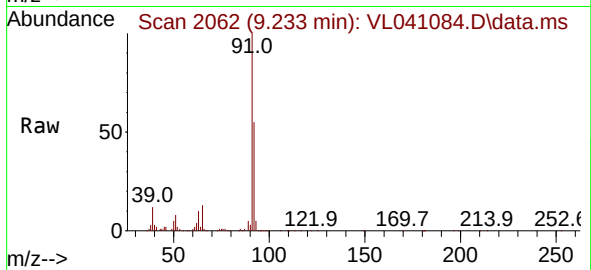
#53
Toluene
Concen: 0.978 ppbv
RT: 9.233 min Scan# 2063
Delta R.T. -0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 299979
Ion Ratio Lower Upper
91 100
92 60.2 48.9 73.3

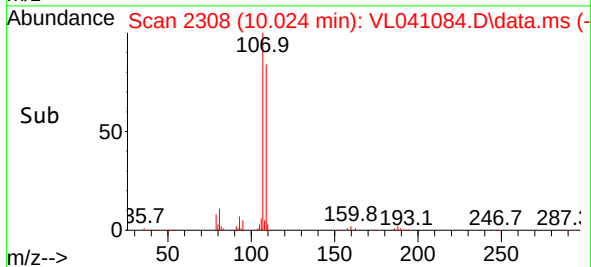
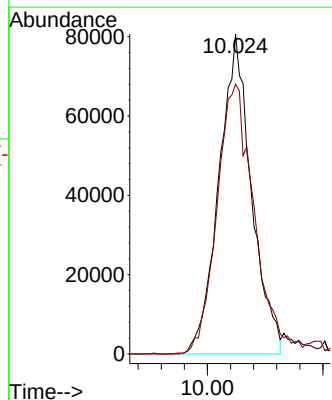
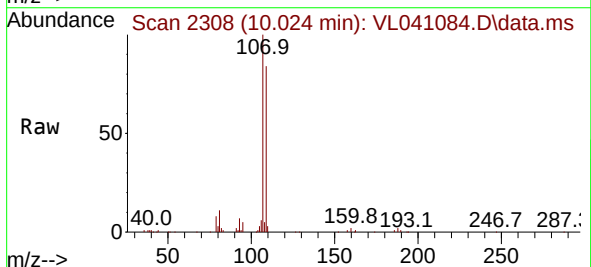
Manual Integrations
APPROVED

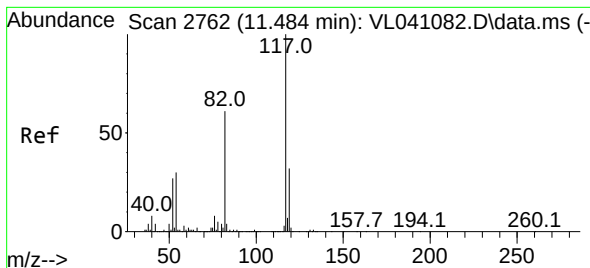
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#54
1,2-Dibromoethane
Concen: 1.005 ppbv
RT: 10.024 min Scan# 2308
Delta R.T. -0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion:107 Resp: 156875
Ion Ratio Lower Upper
107 100
109 84.0 74.4 111.6





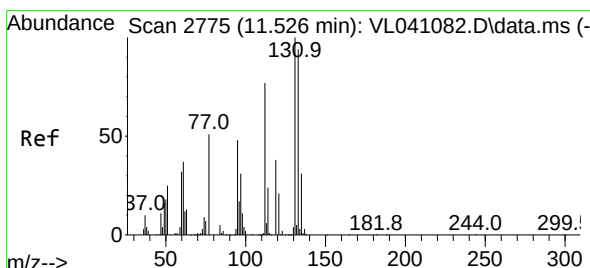
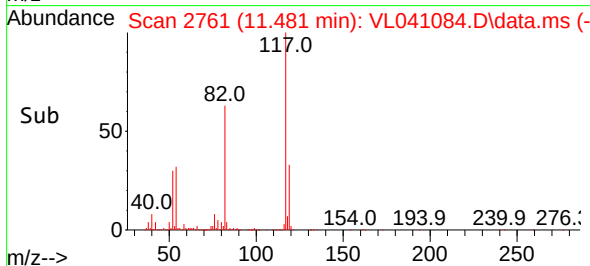
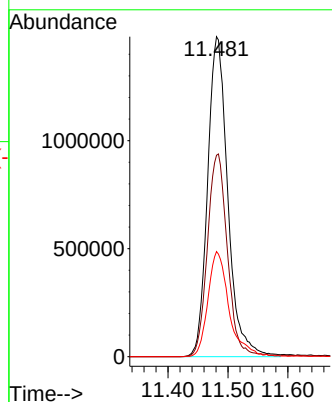
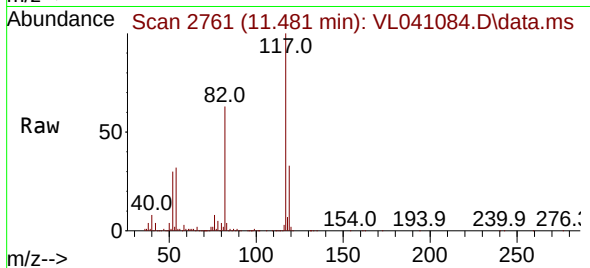
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 347048
Ion Ratio Lower Upper
117 100
82 63.6 51.4 77.2
119 34.8 23.7 35.5

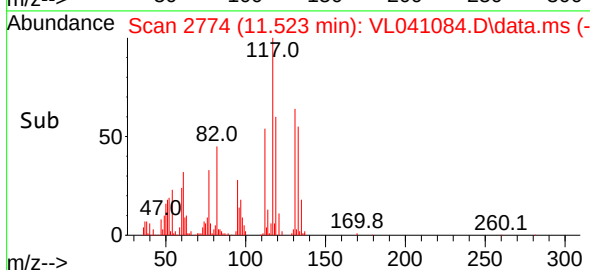
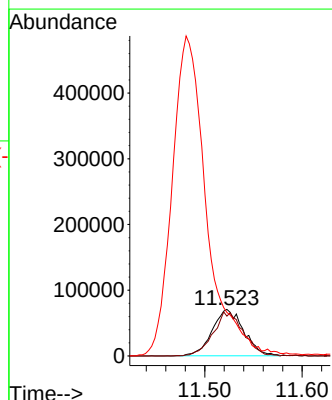
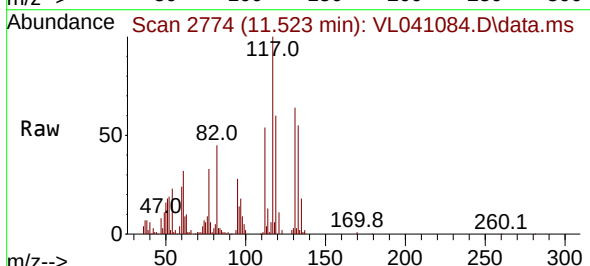
Manual Integrations
APPROVED

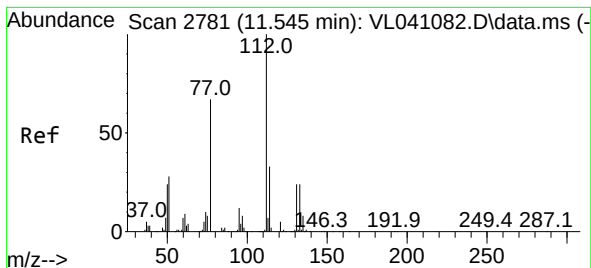
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#56
1,1,1,2-Tetrachloroethane
Concen: 1.058 ppbv
RT: 11.523 min Scan# 2774
Delta R.T. -0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion:131 Resp: 157264
Ion Ratio Lower Upper
131 100
133 92.4 76.1 114.1
119 767.2 51.1 76.7#





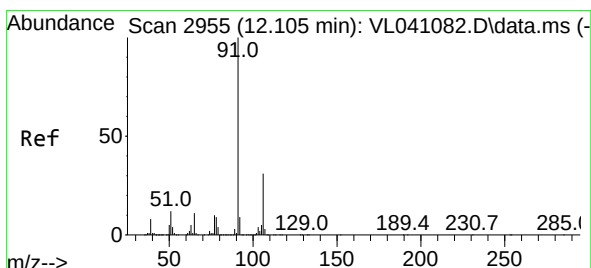
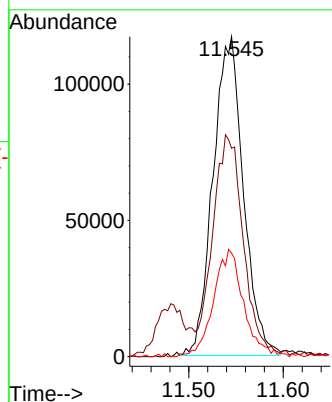
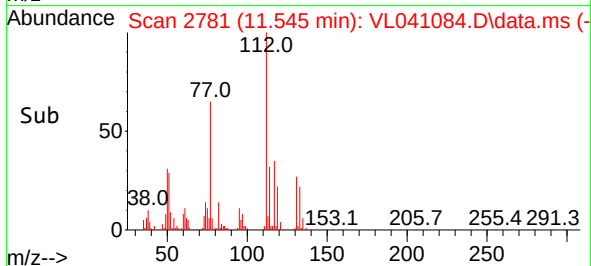
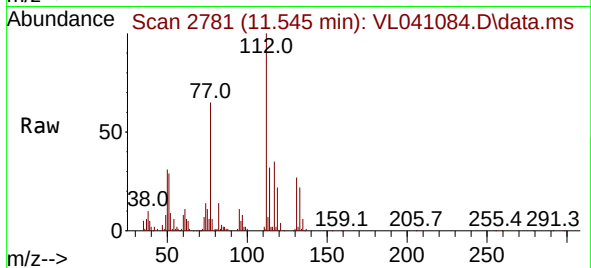
#57
Chlorobenzene
Concen: 1.050 ppbv
RT: 11.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 26088
Ion Ratio Lower Upper
112 100
77 64.3 54.6 81.8
114 31.5 29.4 36.0

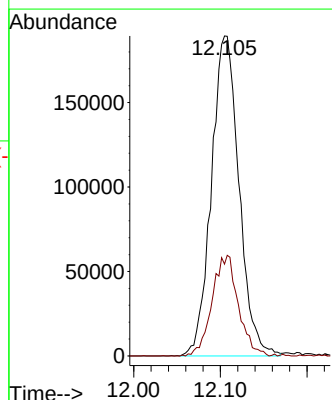
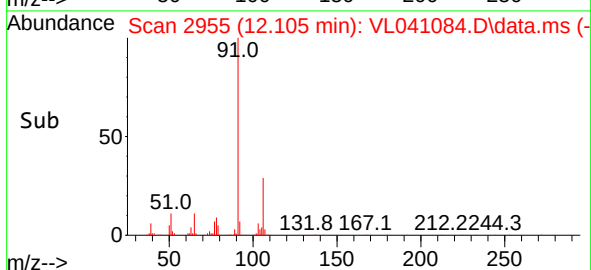
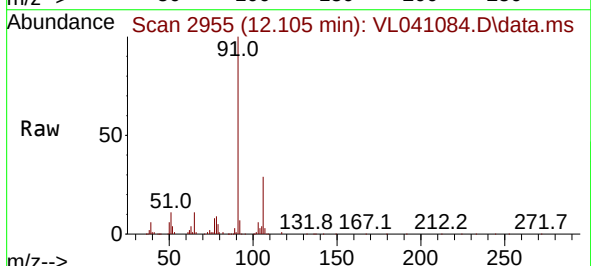
Manual Integrations
APPROVED

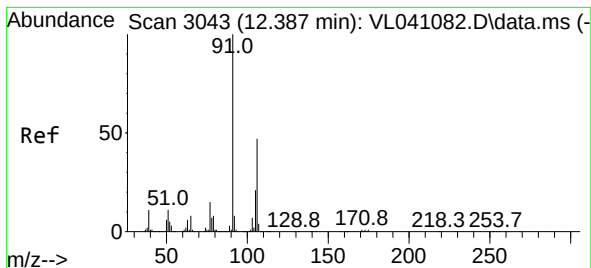
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#58
Ethyl Benzene
Concen: 1.034 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.000 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

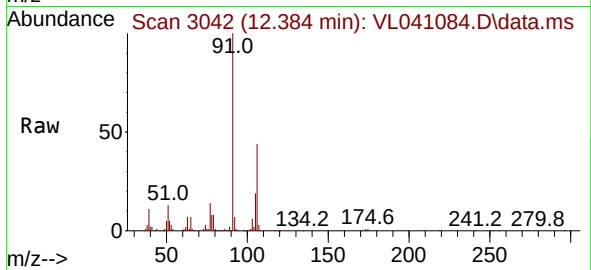
Tgt Ion: 91 Resp: 420299
Ion Ratio Lower Upper
91 100
106 28.7 24.6 36.8





#59
m/p-Xylene
Concen: 2.118 ppbv m
RT: 12.384 min Scan# 3043
Delta R.T. -0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

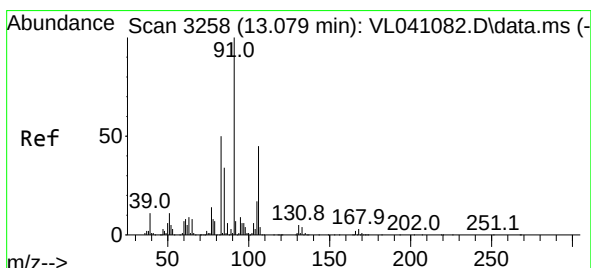
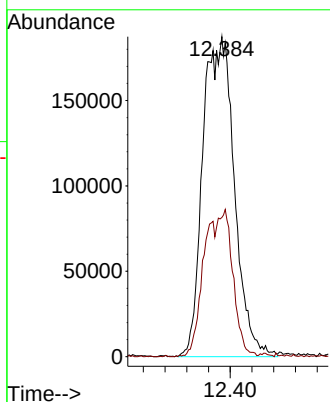
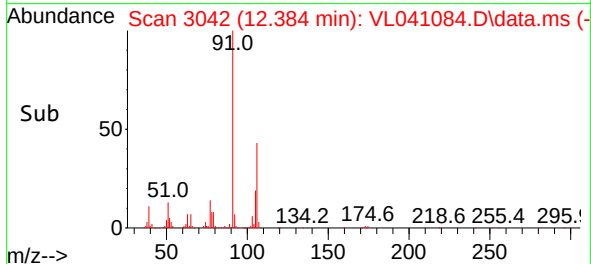
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



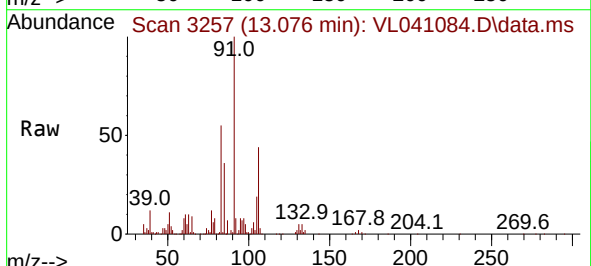
Tgt Ion: 91 Resp: 755348
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2

Manual Integrations
APPROVED

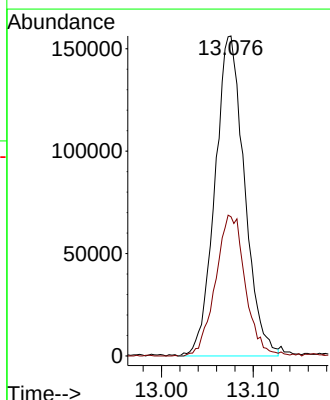
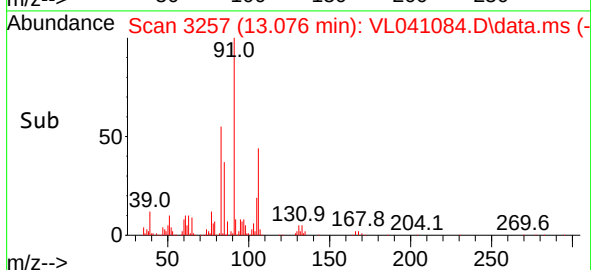
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024

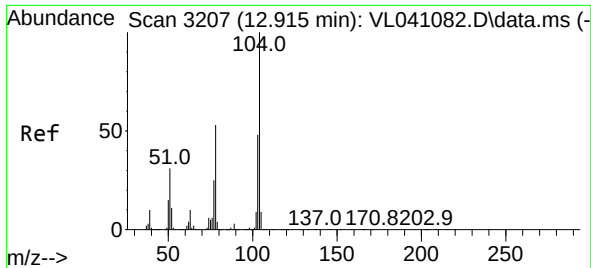


#60
o-Xylene
Concen: 1.033 ppbv
RT: 13.076 min Scan# 3257
Delta R.T. -0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23



Tgt Ion: 91 Resp: 349454
Ion Ratio Lower Upper
91 100
106 44.6 22.4 67.3





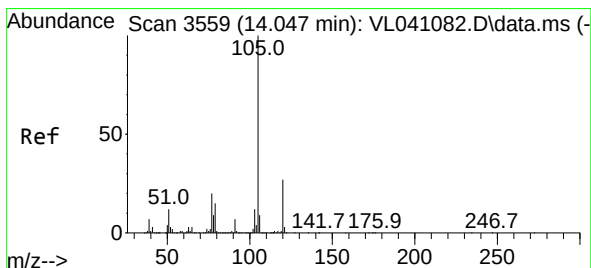
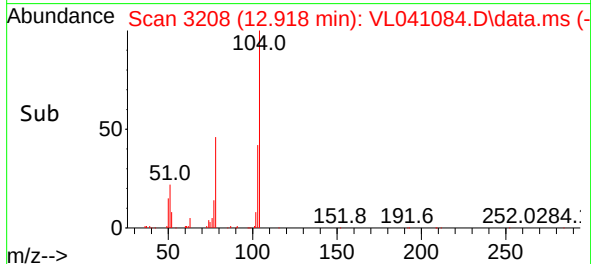
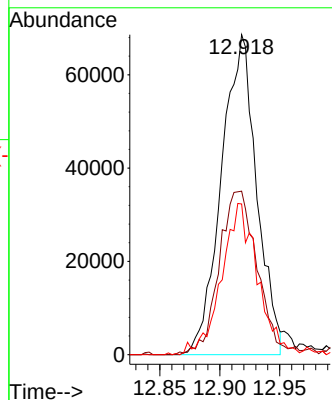
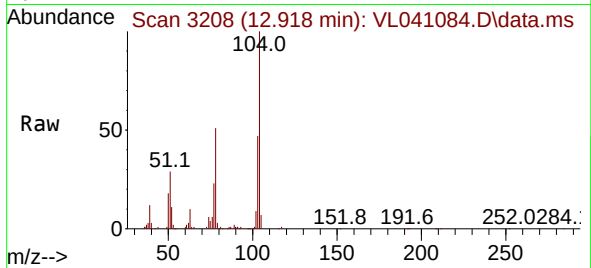
#61
Styrene
Concen: 0.909 ppbv
RT: 12.918 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 140215
Ion Ratio Lower Upper
104 100
78 56.6 42.6 64.0
103 48.8 37.3 55.9

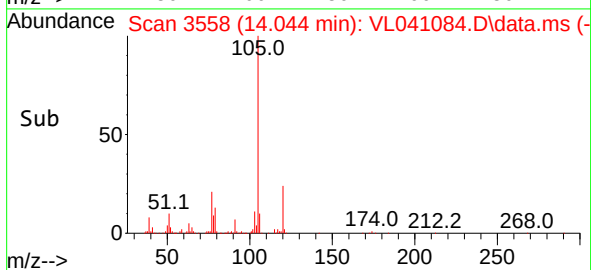
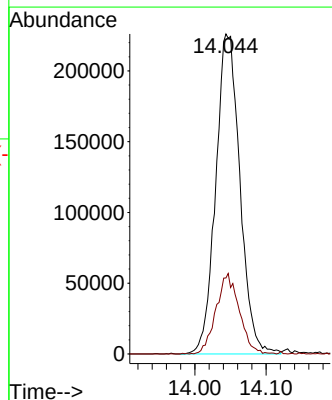
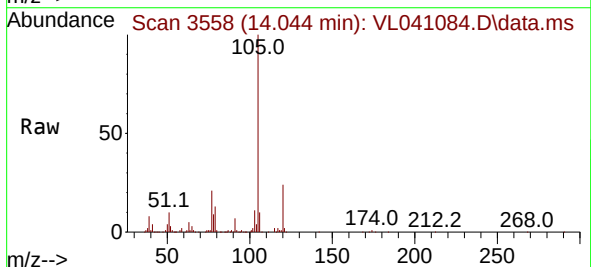
Manual Integrations
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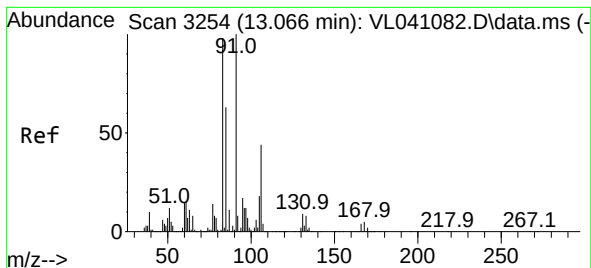
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#62
Isopropylbenzene
Concen: 1.061 ppbv m
RT: 14.044 min Scan# 3558
Delta R.T. -0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion:105 Resp: 534126
Ion Ratio Lower Upper
105 100
120 0.0 20.5 30.7#





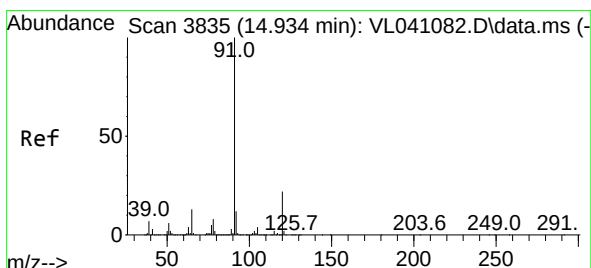
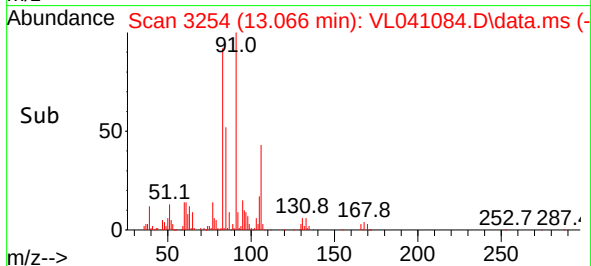
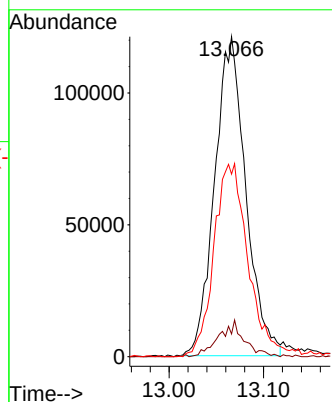
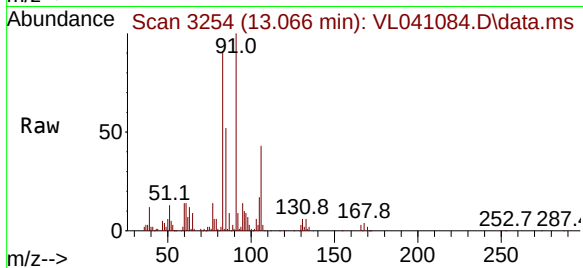
#63
1,1,2,2-Tetrachloroethane
Concen: 1.073 ppbv
RT: 13.066 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 277284
Ion Ratio Lower Upper
83 100
131 9.5 4.7 14.0
85 67.6 32.7 98.1

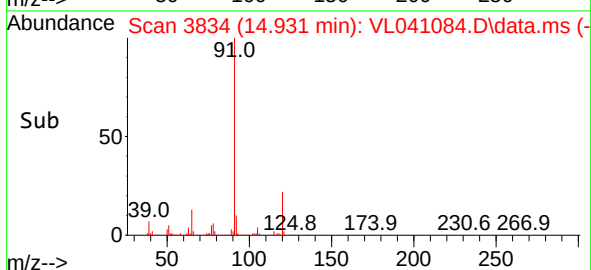
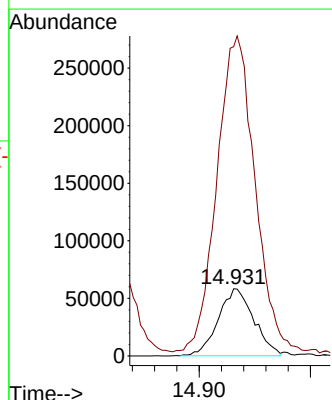
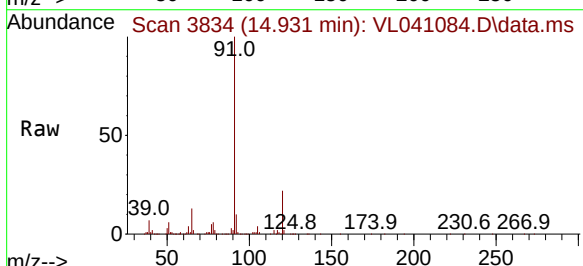
Manual Integrations
APPROVED

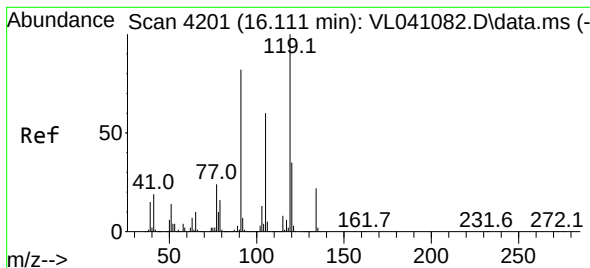
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#64
n-propylbenzene
Concen: 1.015 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. -0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

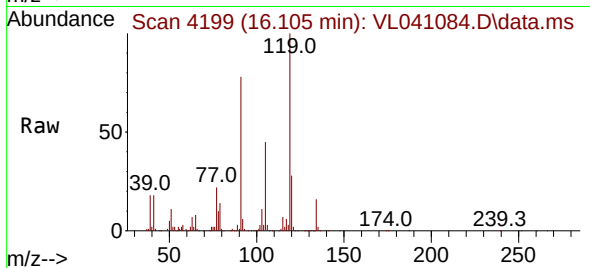
Tgt Ion:120 Resp: 128731
Ion Ratio Lower Upper
120 100
91 525.3 387.5 581.3





#65
tert-Butylbenzene
Concen: 1.055 ppbv
RT: 16.105 min Scan# 4199
Delta R.T. -0.006 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

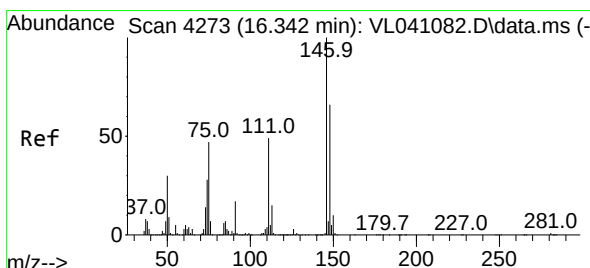
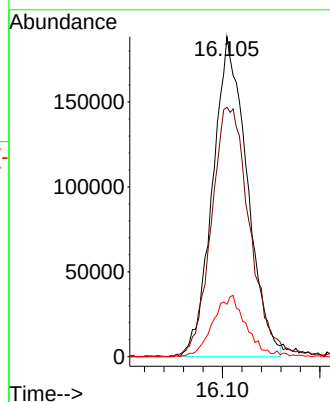
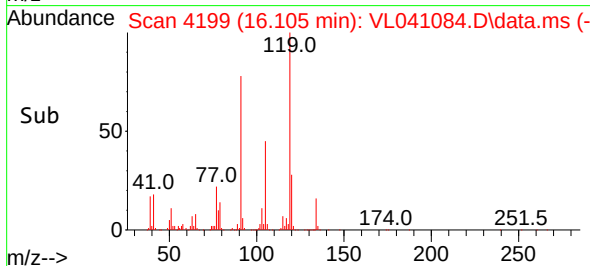
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



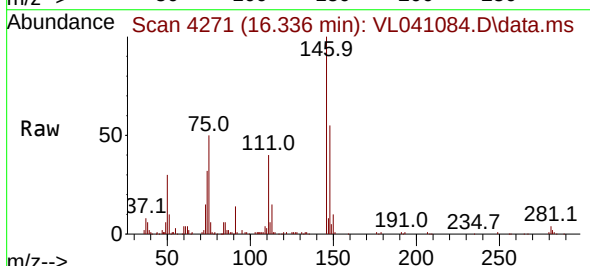
Tgt Ion: 119 Resp: 46074
Ion Ratio Lower Upper
119 100
91 87.9 67.8 101.8
134 18.9 16.2 24.2

Manual Integrations
APPROVED

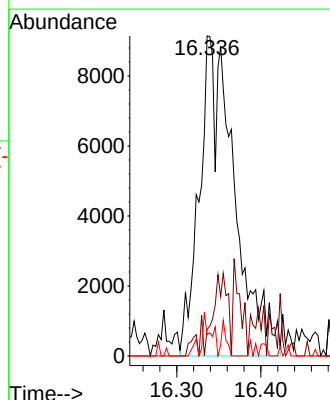
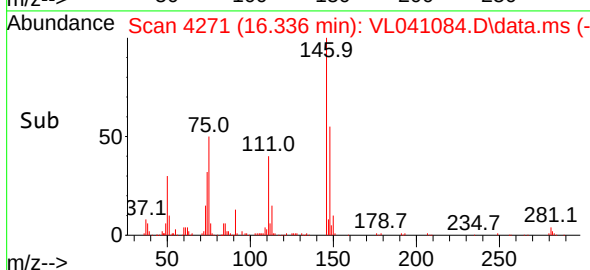
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024

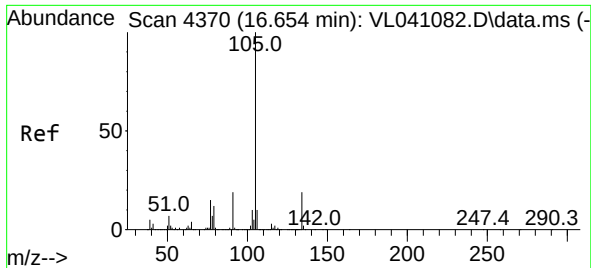


#66
Benzyl Chloride
Concen: 0.904 ppbv m
RT: 16.336 min Scan# 4271
Delta R.T. -0.006 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23



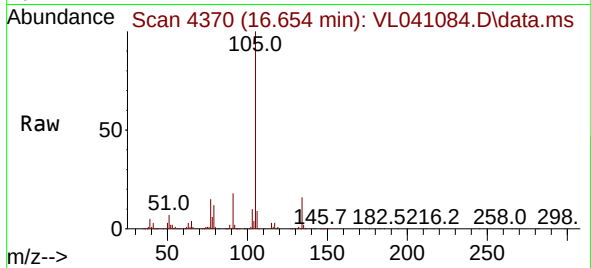
Tgt Ion: 91 Resp: 26610
Ion Ratio Lower Upper
91 100
126 0.0 14.1 21.1#
128 5.2 4.6 7.0





#67
 sec-Butylbenzene
 Concen: 1.077 ppbv
 RT: 16.654 min Scan# 4370
 Delta R.T. 0.000 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

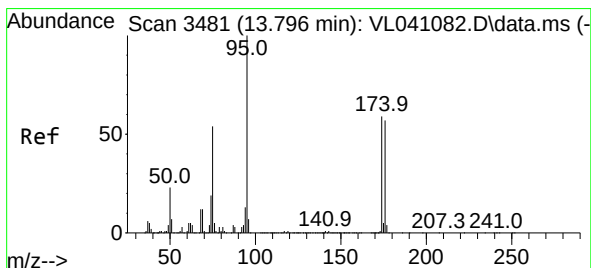
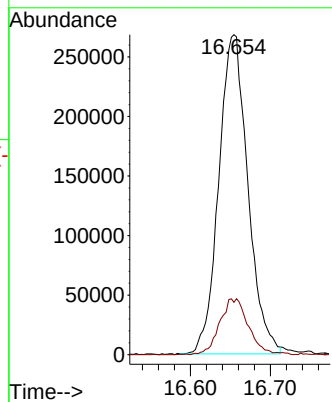
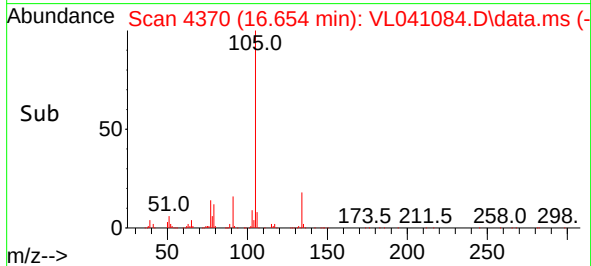
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 105 Resp: 677030
 Ion Ratio Lower Upper
 105 100
 134 17.4 14.3 21.5

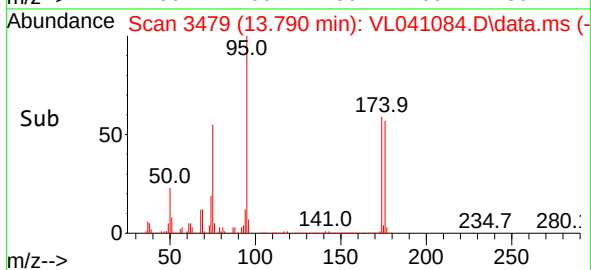
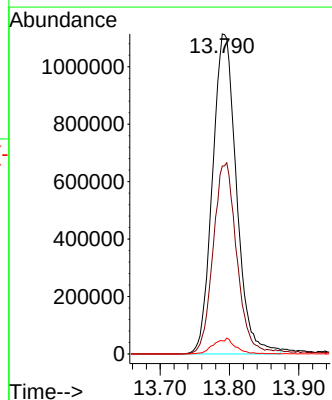
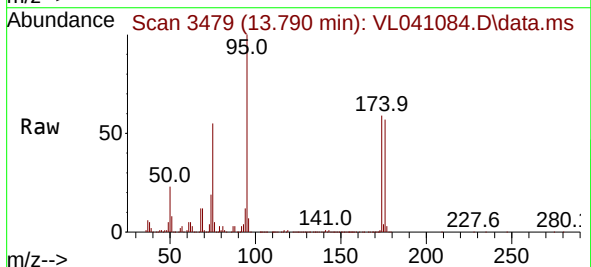
Manual Integrations
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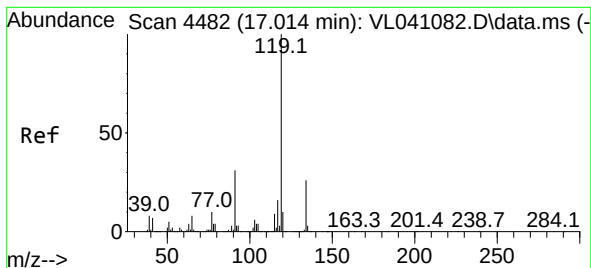
Reviewed By :Semsettin Yesilyurt 03/12/2024
 Supervised By :Mahesh Dadoda 03/12/2024



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.893 ppbv
 RT: 13.790 min Scan# 3479
 Delta R.T. -0.006 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

Tgt Ion: 95 Resp: 2684467
 Ion Ratio Lower Upper
 95 100
 174 59.2 47.8 71.8
 175 4.5 3.5 5.3





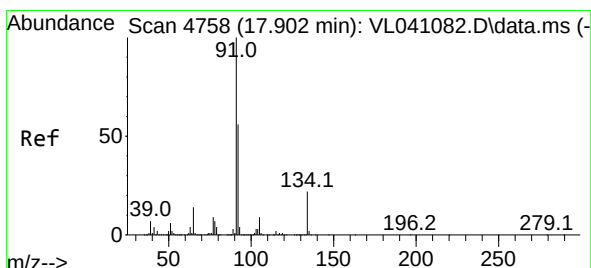
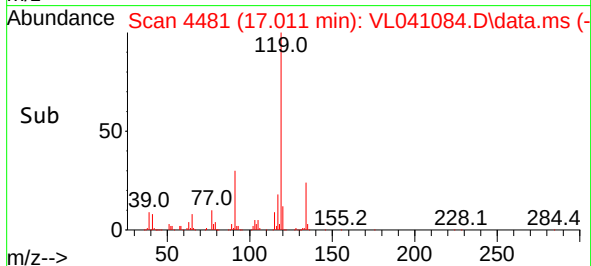
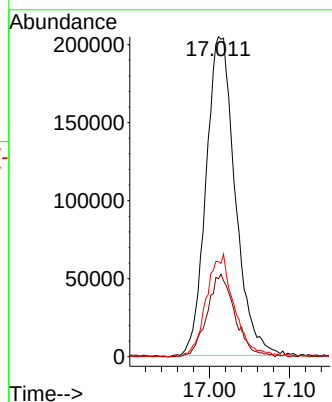
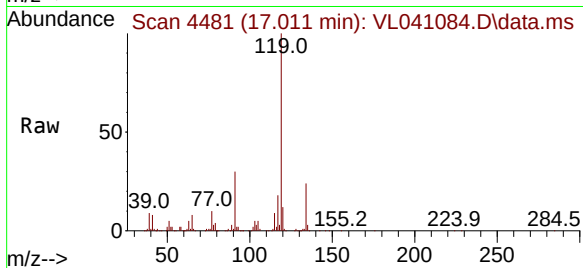
#69
p-Isopropyltoluene
Concen: 1.052 ppbv
RT: 17.011 min Scan# 4481
Delta R.T. -0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 51625
Ion Ratio Lower Upper
119 100
134 24.9 20.6 30.8
91 30.6 24.7 37.1

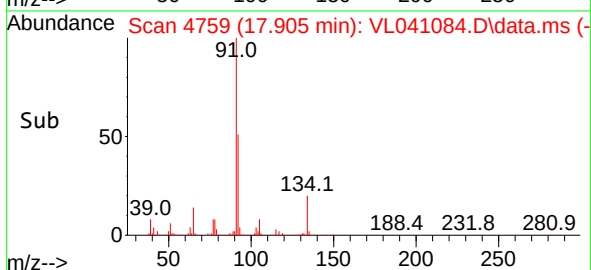
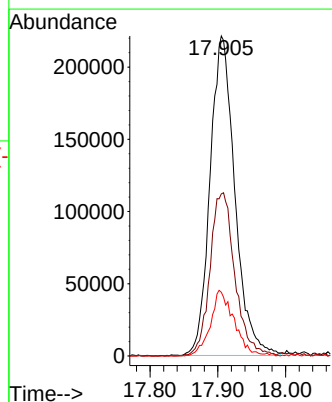
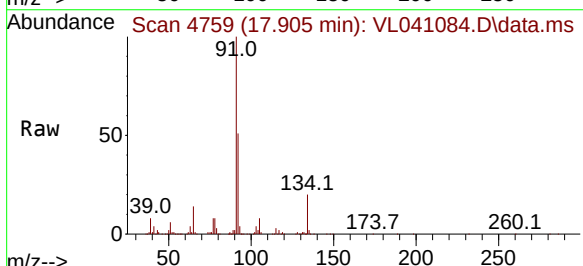
Manual Integrations
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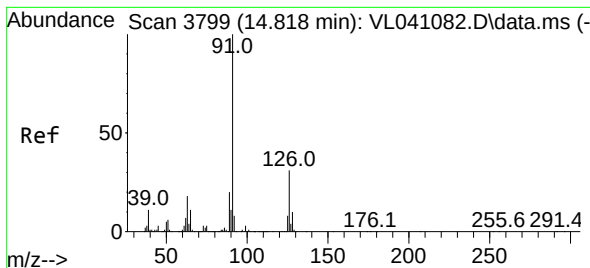
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#70
n-Butylbenzene
Concen: 1.062 ppbv
RT: 17.905 min Scan# 4759
Delta R.T. 0.003 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion: 91 Resp: 563097
Ion Ratio Lower Upper
91 100
92 51.2 43.4 65.2
134 19.8 17.4 26.0





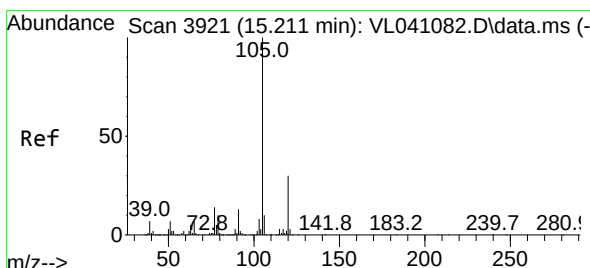
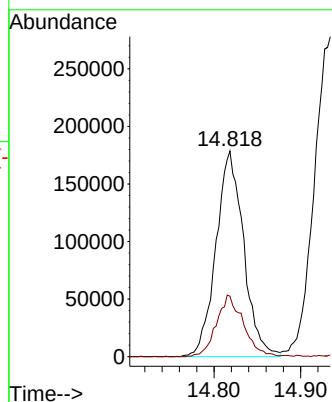
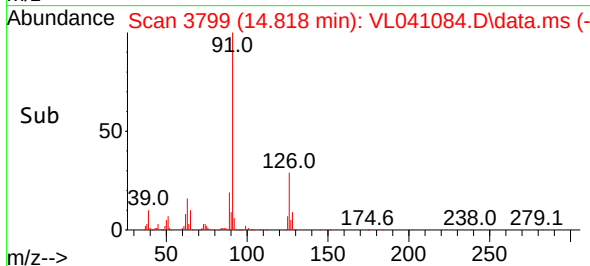
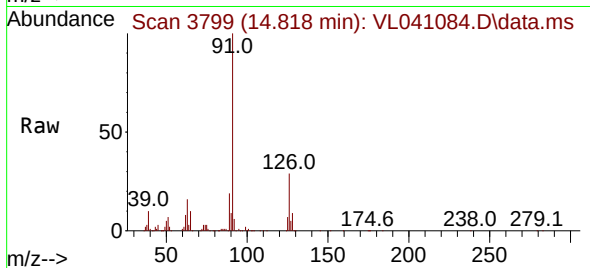
#71
2-Chlorotoluene
Concen: 1.029 ppbv
RT: 14.818 min Scan# 3799
Delta R.T. 0.000 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 395839
Ion Ratio Lower Upper
91 100
126 29.5 12.2 48.8

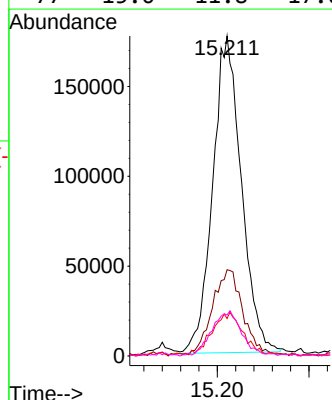
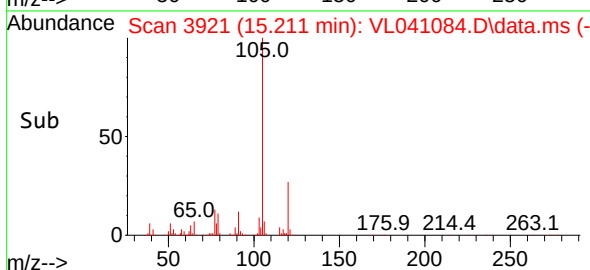
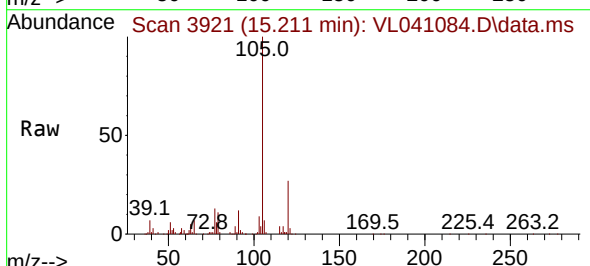
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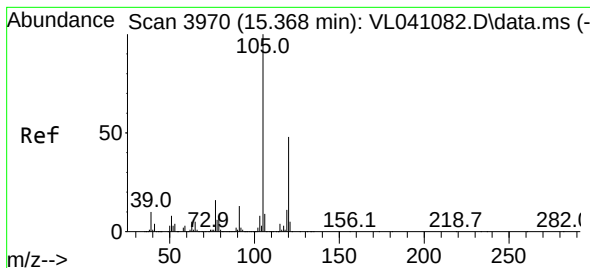
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#72
4-Ethyltoluene
Concen: 1.025 ppbv
RT: 15.211 min Scan# 3921
Delta R.T. 0.000 min
Lab File: VL041084.D
Acq: 11 Mar 2024 12:23

Tgt Ion:105 Resp: 382028
Ion Ratio Lower Upper
105 100
120 29.2 23.8 35.8
91 15.0 10.9 16.3
77 15.0 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 1.029 ppbv

RT: 15.368 min Scan# 3970

Delta R.T. 0.000 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 33948

Ion Ratio Lower Upper

105 100

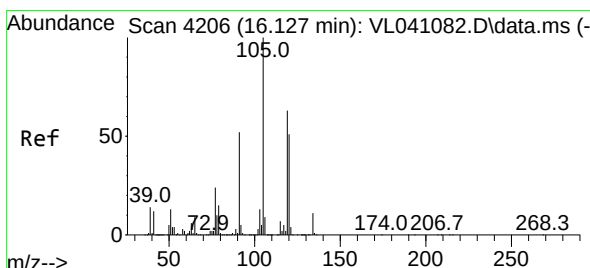
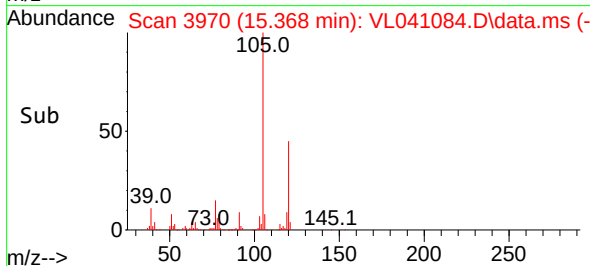
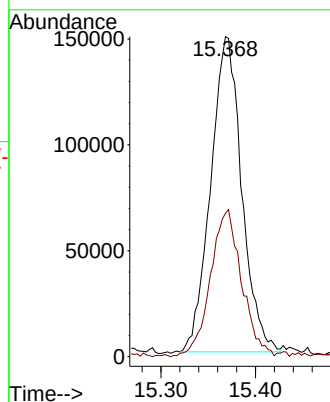
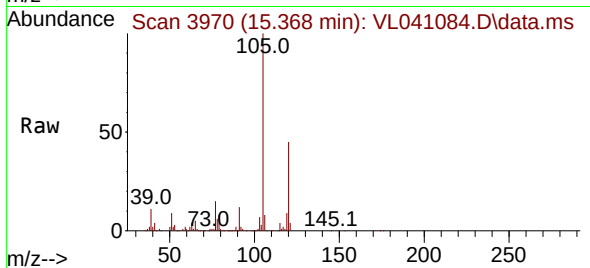
120 44.3 38.7 58.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#74

1,2,4-Trimethylbenzene

Concen: 1.062 ppbv

RT: 16.124 min Scan# 4205

Delta R.T. -0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Tgt Ion:105 Resp: 400288

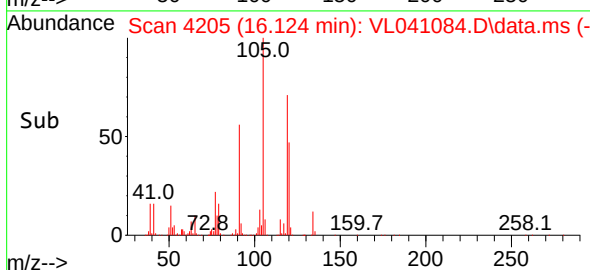
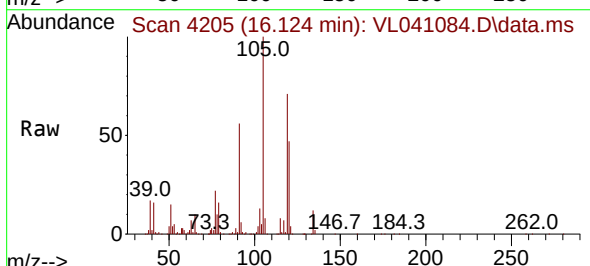
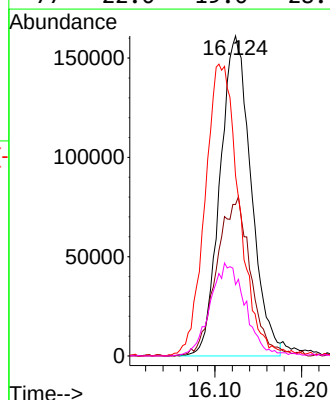
Ion Ratio Lower Upper

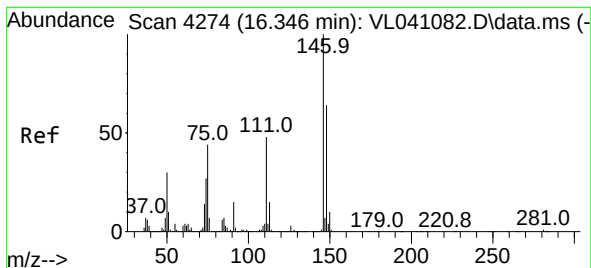
105 100

120 46.8 40.4 60.6

91 54.5 41.4 62.0

77 22.0 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 0.992 ppbv

RT: 16.349 min Scan# 4275

Delta R.T. 0.003 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion:146 Resp: 21342

Ion Ratio Lower Upper

146 100

111 52.9 24.1 72.2

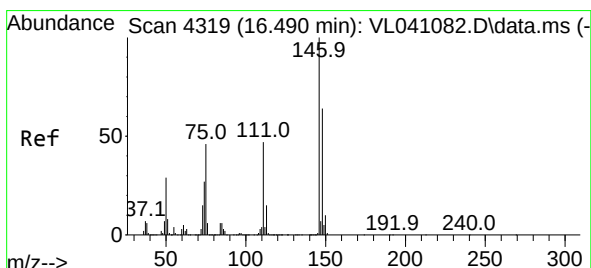
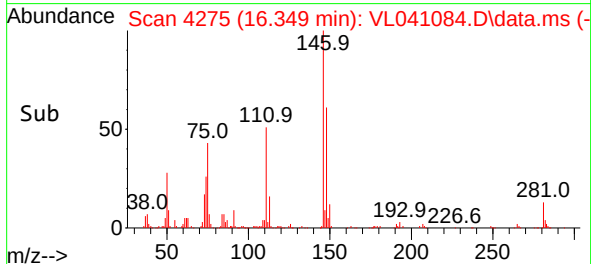
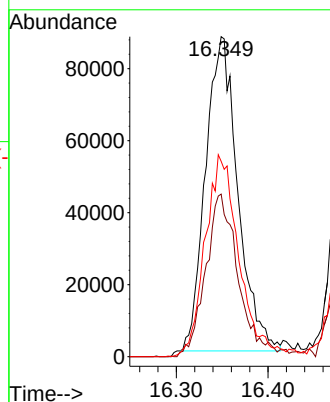
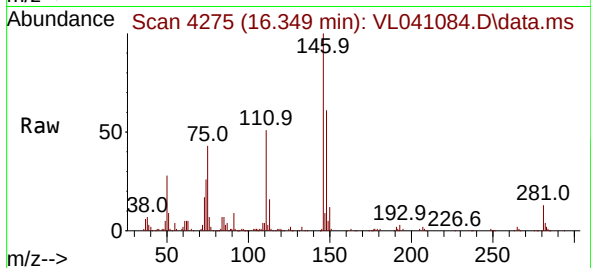
148 67.7 32.6 97.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#76

1,4-Dichlorobenzene

Concen: 1.043 ppbv m

RT: 16.490 min Scan# 4319

Delta R.T. 0.000 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

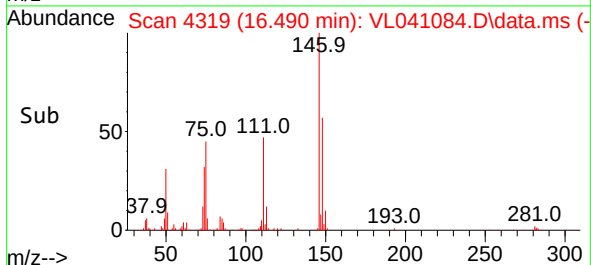
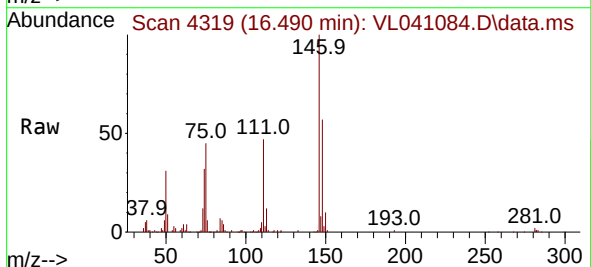
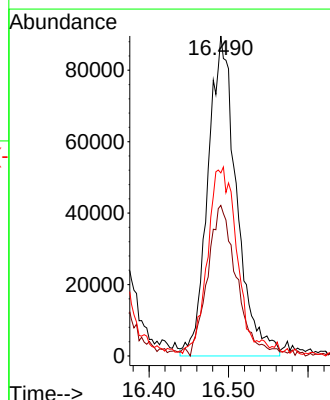
Tgt Ion:146 Resp: 225776

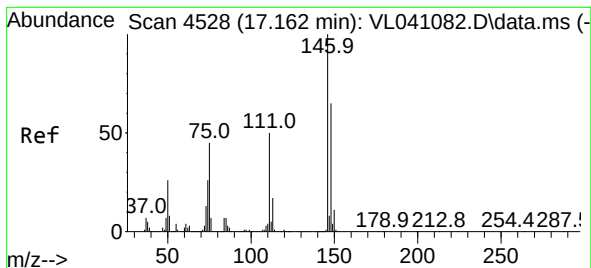
Ion Ratio Lower Upper

146 100

111 48.0 23.9 71.7

148 63.7 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 1.028 ppbv

RT: 17.162 min Scan# 4528

Delta R.T. 0.000 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:146 Resp: 21843

Ion Ratio Lower Upper

146 100

111 51.7 25.2 75.6

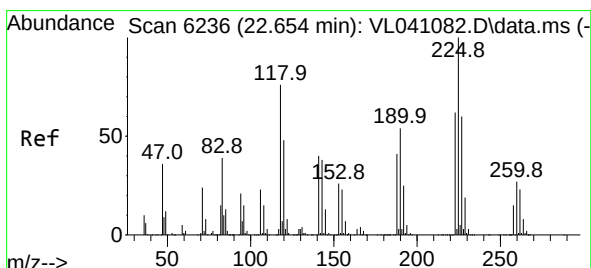
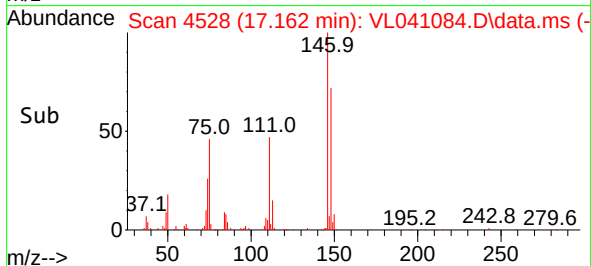
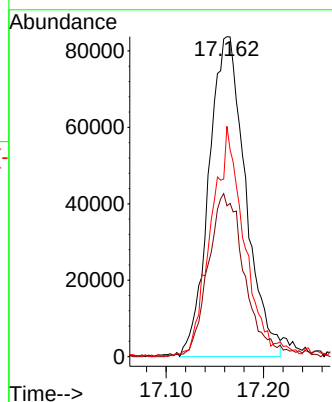
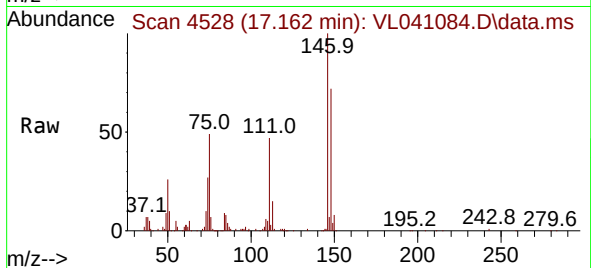
148 65.9 32.4 97.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#78

Hexachloro-1,3-Butadiene

Concen: 1.103 ppbv m

RT: 22.661 min Scan# 6238

Delta R.T. 0.007 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

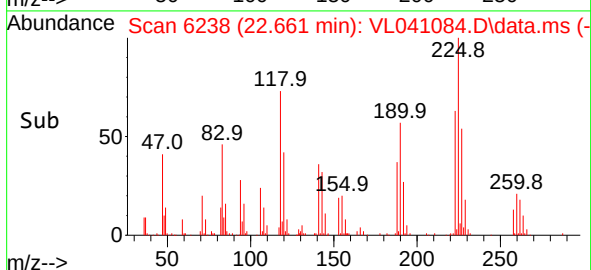
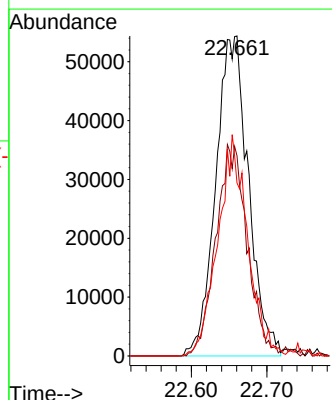
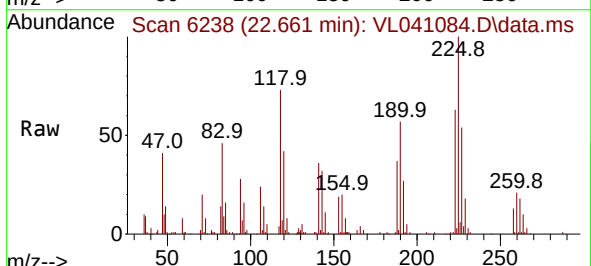
Tgt Ion:225 Resp: 163861

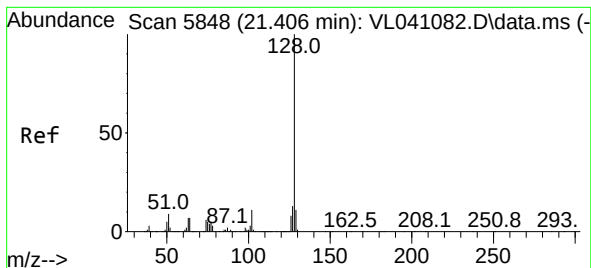
Ion Ratio Lower Upper

225 100

223 64.4 51.1 76.7

227 0.0 51.1 76.7#





#79

Naphthalene

Concen: 1.066 ppbv m

RT: 21.413 min Scan# 5848

Delta R.T. 0.007 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:128 Resp: 236320

Ion Ratio Lower Upper

128 100

127 10.7 10.6 15.8

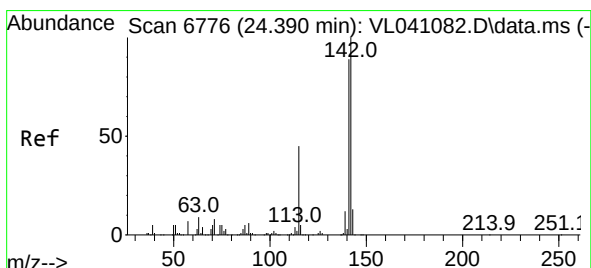
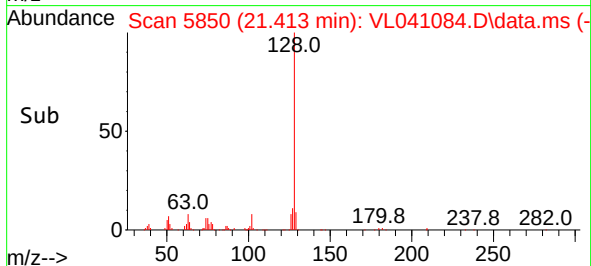
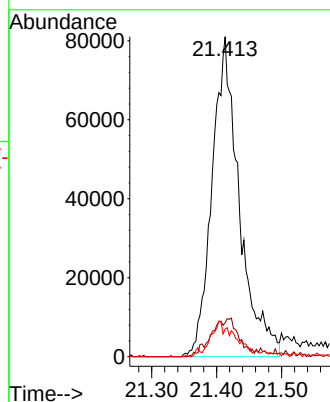
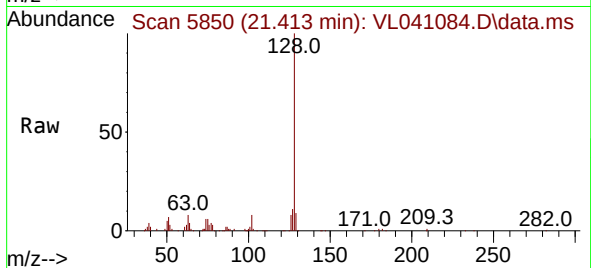
129 8.7 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#80

Naphthalene,2-methyl-

Concen: 1.059 ppbv m

RT: 24.461 min Scan# 6798

Delta R.T. 0.071 min

Lab File: VL041084.D

Acq: 11 Mar 2024 12:23

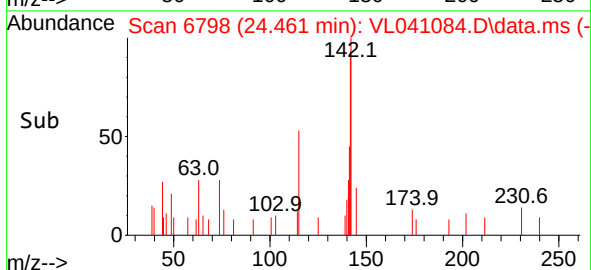
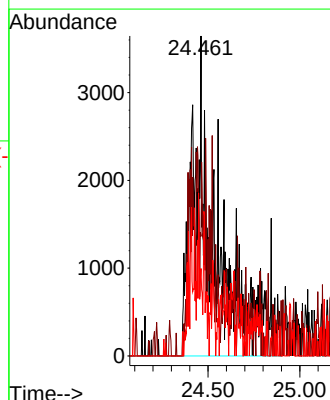
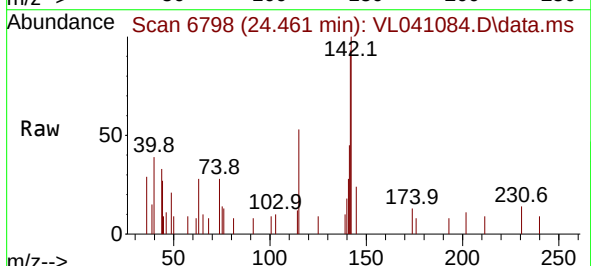
Tgt Ion:142 Resp: 30674

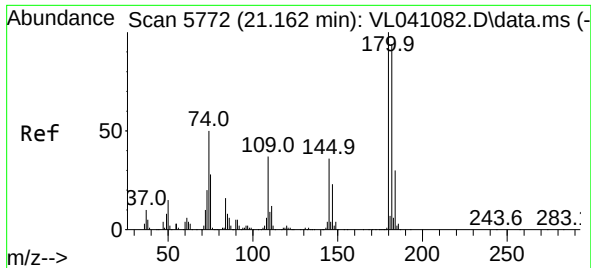
Ion Ratio Lower Upper

142 100

141 16.4 61.3 91.9#

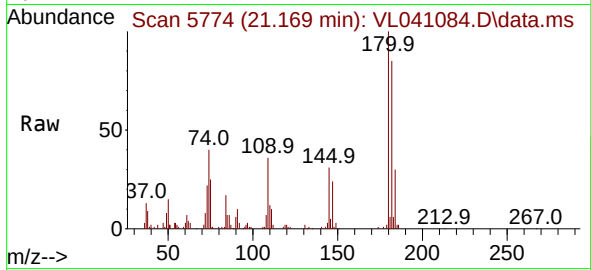
115 8.5 35.4 53.2#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.964 ppbv
 RT: 21.169 min Scan# 51
 Delta R.T. 0.007 min
 Lab File: VL041084.D
 Acq: 11 Mar 2024 12:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion:180 Resp: 122193
 Ion Ratio Lower Upper
 180 100
 182 103.8 78.7 118.1
 184 29.2 25.3 37.9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024
 Supervised By :Mahesh Dadoda 03/12/2024

