

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
 Data File : VL042014.D
 Acq On : 14 Feb 2025 11:50
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/17/2025
 Supervised By : Mahesh Dadoda 02/17/2025

Quant Time: Feb 14 12:18:39 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M

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

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	90340	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.943	114	292797	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.865	117	274530	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.364 95 229446 10.611 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.100%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.496	85	9019m	0.733	ppbv	
3) Chlorodifluoromethane	1.473	51	9050	0.702	ppbv	95
4) Chloromethane	1.528	50	3267	0.706	ppbv	94
5) Vinyl Chloride	1.577	62	3296	0.703	ppbv #	87
6) Bromomethane	1.664	94	1759	0.787	ppbv	96
7) Chloroethane	1.700	64	1660	0.910	ppbv	96
8) Dichlorotetrafluoroethane	1.551	85	7552	0.702	ppbv	92
9) Propene	1.479	41	4680	0.881	ppbv	85
10) Heptane	4.969	43	12004m	0.846	ppbv	
11) Trichlorofluoromethane	1.871	101	9283	0.725	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.133	101	7114	0.709	ppbv	99
13) Ethanol	1.716	45	1254m	3.224	ppbv	
14) Bromoethene	1.777	108	2586	0.704	ppbv #	83
15) Acetone	1.832	43	9683	0.892	ppbv #	89
16) 1,3-Butadiene	1.602	39	4492	0.922	ppbv	88
17) tert-Butyl alcohol	2.036	59	10325	0.773	ppbv #	38
18) 1,1-Dichloroethene	2.334	96	3467	0.767	ppbv	95
19) Isopropyl Alcohol	1.881	45	5429	0.844	ppbv #	41
20) Methylene Chloride	2.052	84	4392	1.024	ppbv #	88
21) Allyl Chloride	2.091	41	6543	0.871	ppbv	94
22) trans-1,2-Dichloroethene	2.334	96	3324	0.651	ppbv	82
23) Vinyl Acetate	2.454	43	4864m	0.904	ppbv	
24) 1,1-Dichloroethane	2.402	63	7027	0.712	ppbv #	88
25) Ethyl Acetate	2.832	43	20964	0.716	ppbv #	95
26) Hexane	2.819	57	8864	0.766	ppbv	92
27) Carbon Disulfide	2.143	76	8187	0.715	ppbv #	1
28) Methyl tert-Butyl Ether	2.434	73	5052	0.571	ppbv #	53
29) Chloroform	2.839	83	12864	0.703	ppbv	86
30) Cyclohexane	3.839	84	8131m	0.810	ppbv	
31) cis-1,2-Dichloroethene	2.709	61	8839m	0.725	ppbv	
32) 1,1,1-Trichloroethane	3.357	97	12903	0.737	ppbv	100
34) 2-Butanone	2.554	43	12882	0.692	ppbv	99
35) Carbon Tetrachloride	3.748	117	12191	0.663	ppbv	93
36) Benzene	3.645	78	17386	0.647	ppbv	97
37) 1,2-Dichloroethane	3.205	62	10338m	0.685	ppbv	
38) Trichloroethene	4.538	130	7255m	0.681	ppbv	
39) 1,2-Dichloropropane	4.305	63	6906m	0.733	ppbv	
40) 1,4-Dioxane	4.583	88	3738m	0.786	ppbv	
41) Tetrahydrofuran	3.056	42	7505m	0.742	ppbv	
42) Bromodichloromethane	4.477	83	13726m	0.679	ppbv	
43) Methyl Methacrylate	4.868	69	9375m	0.940	ppbv	
44) 2,2,4-Trimethylpentane	4.625	57	30369	0.699	ppbv	95
45) t-1,3-Dichloropropene	6.396	75	7909m	0.847	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
 Data File : VL042014.D
 Acq On : 14 Feb 2025 11:50
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

Quant Time: Feb 14 12:18:39 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M

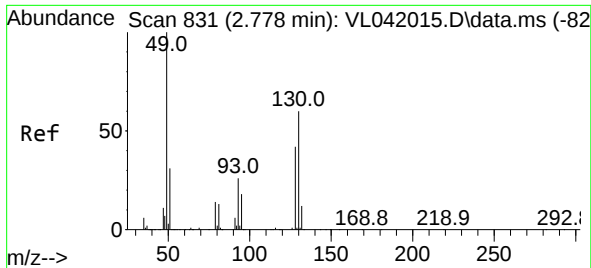
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.580	75	10391m	0.848	ppbv	
47) 1,1,2-Trichloroethane	6.567	97	7326m	0.734	ppbv	
48) Dibromochloromethane	7.373	129	11898m	0.772	ppbv	
49) Bromoform	9.467	173	9521	0.752	ppbv	98
50) 4-Methyl-2-Pentanone	5.755	43	21804m	0.858	ppbv	
51) 2-Hexanone	7.432	43	18203m	0.932	ppbv	
52) Tetrachloroethene	8.208	164	6688	0.718	ppbv #	78
53) Toluene	6.917	91	22653m	0.774	ppbv	
54) 1,2-Dibromoethane	7.639	107	9801m	0.714	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.911	131	10495	0.766	ppbv #	58
57) Chlorobenzene	8.904	112	16715	0.660	ppbv #	95
58) Ethyl Benzene	9.341	91	29697	0.692	ppbv	97
59) m/p-Xylene	9.539	91	49128m	1.429	ppbv	
60) o-Xylene	9.950	91	23714	0.695	ppbv	96
61) Styrene	9.859	104	11400	0.744	ppbv	96
62) Isopropylbenzene	10.529	105	36552	0.692	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.953	83	15043	0.690	ppbv #	96
64) n-propylbenzene	10.979	120	9365	0.702	ppbv	98
65) tert-Butylbenzene	11.523	119	32688	0.679	ppbv	96
66) Benzyl Chloride	11.604	91	3233	1.085	ppbv	94
67) sec-Butylbenzene	11.759	105	44600	0.673	ppbv	97
69) p-Isopropyltoluene	11.918	119	38366	0.703	ppbv	99
70) n-Butylbenzene	12.274	91	36156	0.668	ppbv	97
71) 2-Chlorotoluene	10.892	91	27753	0.710	ppbv	98
72) 4-Ethyltoluene	11.115	105	29575	0.724	ppbv	98
73) 1,3,5-Trimethylbenzene	11.193	105	24507	0.680	ppbv	91
74) 1,2,4-Trimethylbenzene	11.526	105	26661	0.683	ppbv #	85
75) 1,3-Dichlorobenzene	11.600	146	13869	0.599	ppbv	94
76) 1,4-Dichlorobenzene	11.665	146	14476	0.639	ppbv	96
77) 1,2-Dichlorobenzene	11.940	146	13710	0.598	ppbv	94
78) Hexachloro-1,3-Butadiene	13.876	225	12558	0.667	ppbv	96
79) Naphthalene	13.507	128	27842	0.708	ppbv	99
80) Naphthalene,2-methyl-	14.452	142	12746	0.684	ppbv	98
81) 1,2,4-Trichlorobenzene	13.432	180	10302	0.537	ppbv	97

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



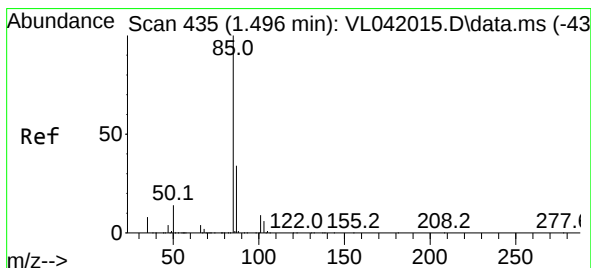
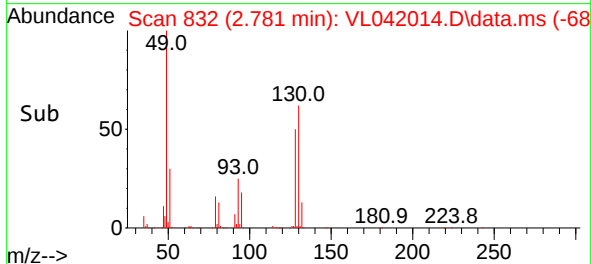
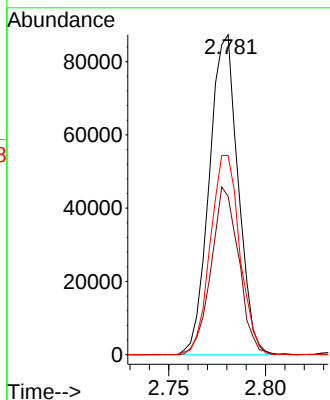
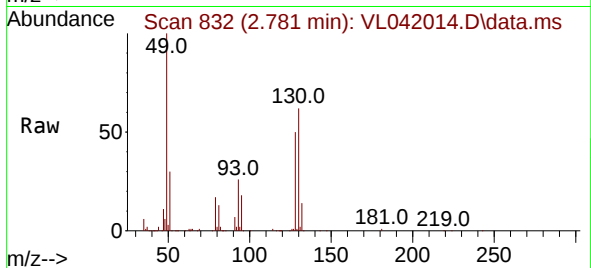
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 831
Delta R.T. -0.016 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 49 Resp: 90340
Ion Ratio Lower Upper
49 100
128 50.2 24.3 73.0
130 63.7 31.1 93.2

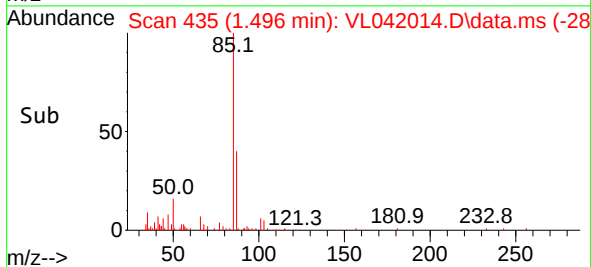
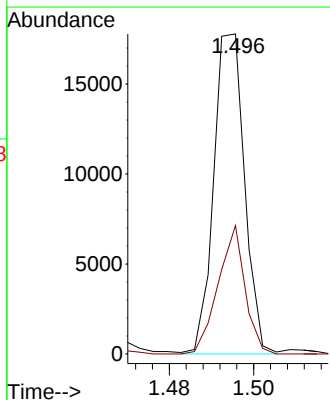
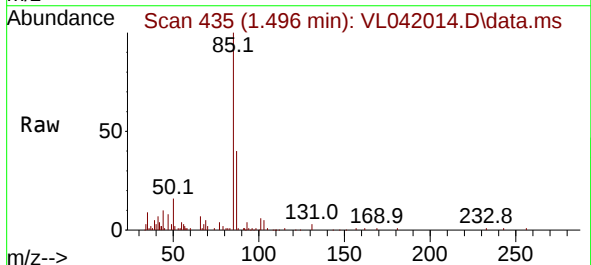
Manual Integrations
APPROVED

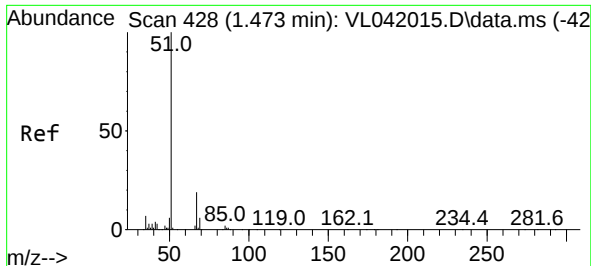
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#2
Dichlorodifluoromethane
Concen: 0.733 ppbv m
RT: 1.496 min Scan# 435
Delta R.T. -0.006 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Tgt Ion: 85 Resp: 9019
Ion Ratio Lower Upper
85 100
87 40.2 24.9 37.3#





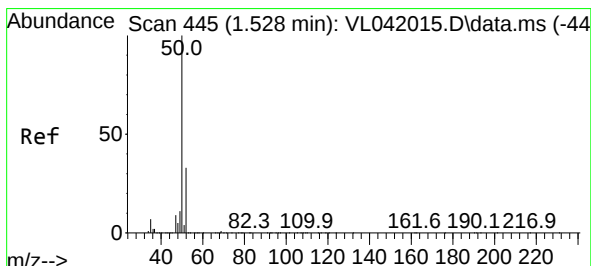
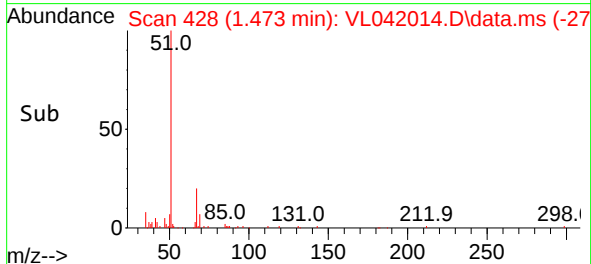
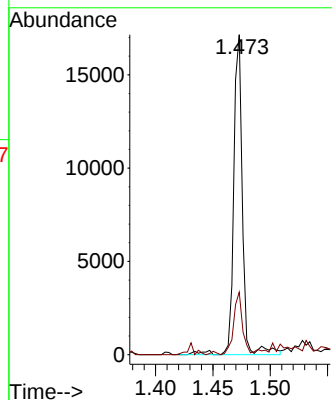
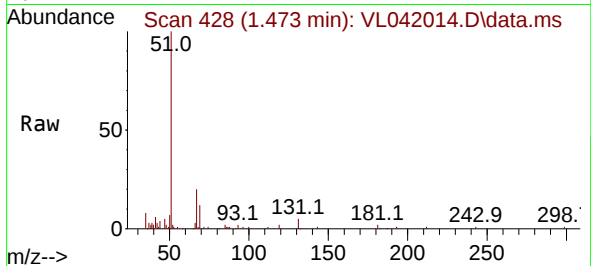
#3
Chlorodifluoromethane
Concen: 0.702 ppbv
RT: 1.473 min Scan# 428
Delta R.T. -0.006 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 9050
Ion Ratio Lower Upper
51 100
67 21.0 15.0 22.4

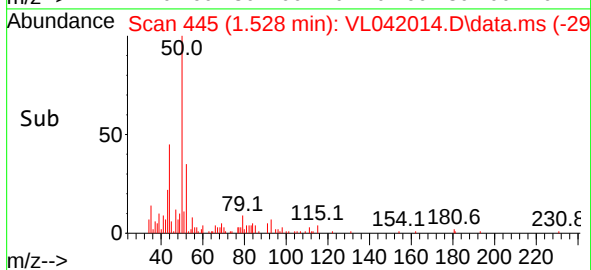
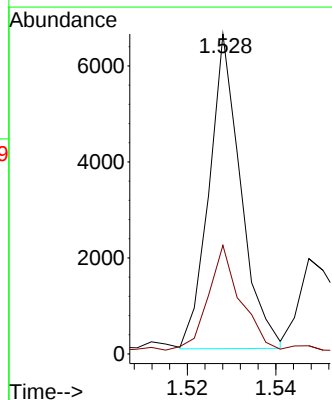
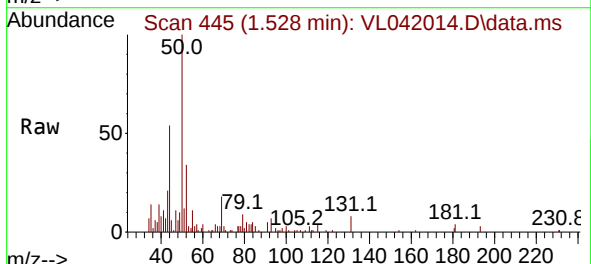
Manual Integrations
APPROVED

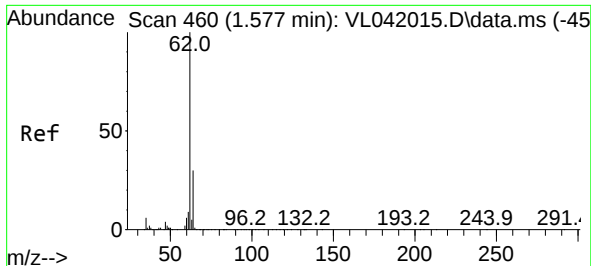
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#4
Chloromethane
Concen: 0.706 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.010 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Tgt Ion: 50 Resp: 3267
Ion Ratio Lower Upper
50 100
52 33.8 24.6 36.8





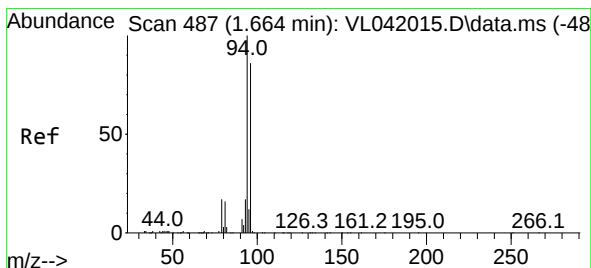
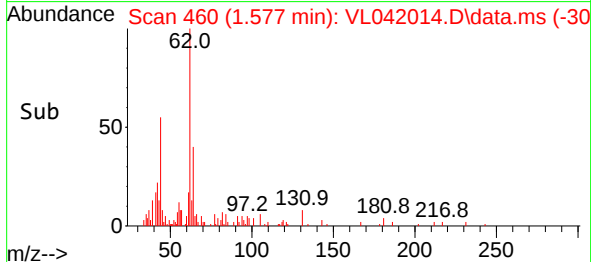
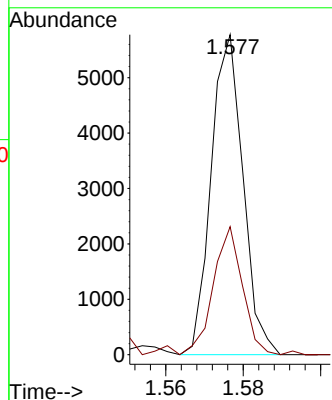
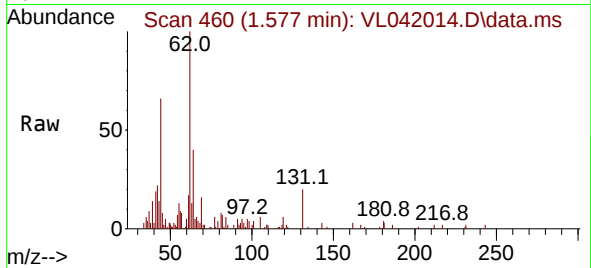
#5
 Vinyl Chloride
 Concen: 0.703 ppbv
 RT: 1.577 min Scan# 460
 Delta R.T. -0.006 min
 Lab File: VL042014.D
 Acq: 14 Feb 2025 11:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 62 Resp: 3290
 Ion Ratio Lower Upper
 62 100
 64 40.0 26.1 39.1

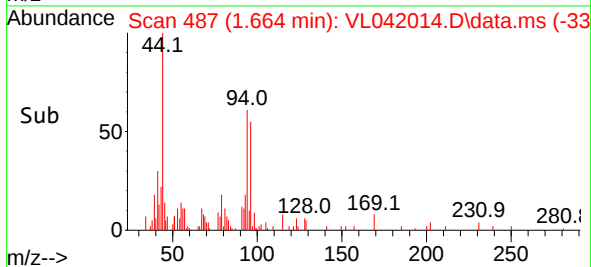
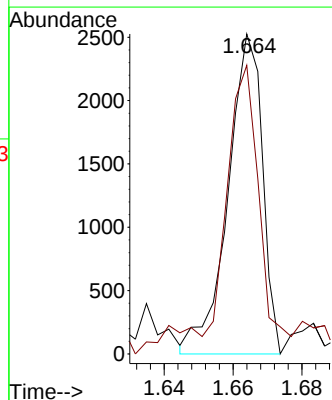
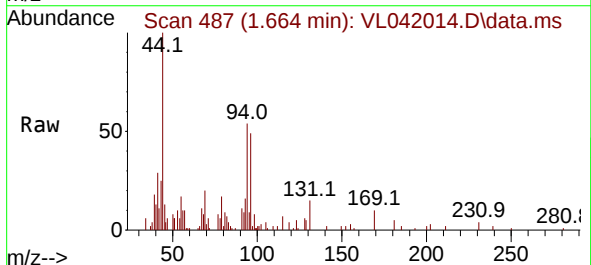
Manual Integrations
 APPROVED

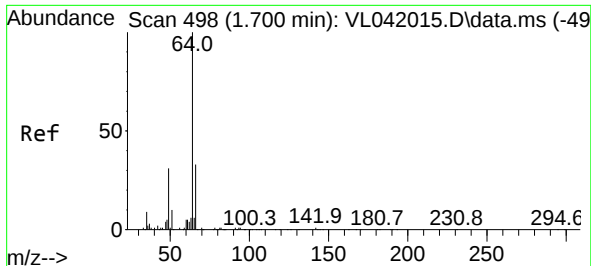
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025



#6
 Bromomethane
 Concen: 0.787 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.010 min
 Lab File: VL042014.D
 Acq: 14 Feb 2025 11:50

Tgt Ion: 94 Resp: 1759
 Ion Ratio Lower Upper
 94 100
 96 83.6 69.5 104.3





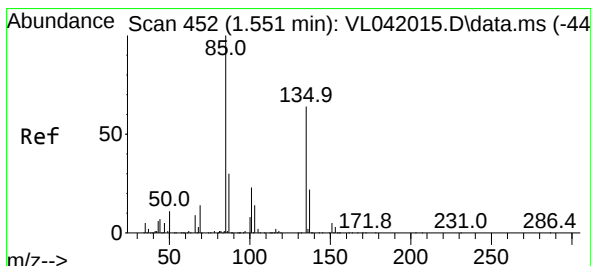
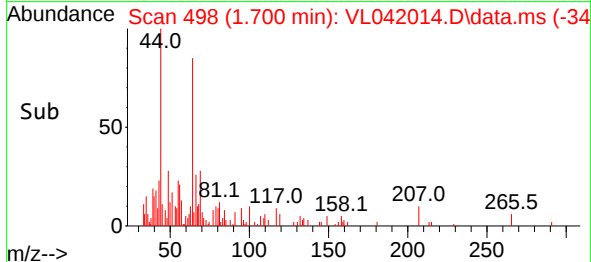
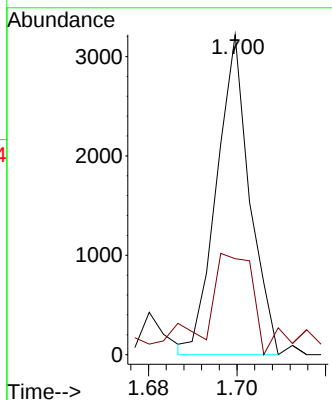
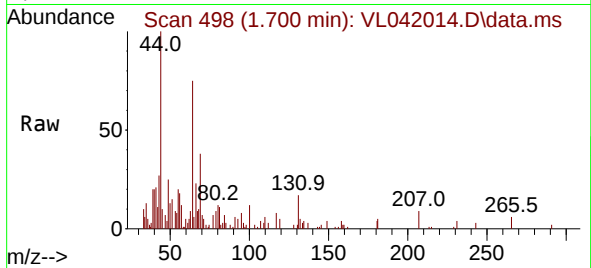
#7
Chloroethane
Concen: 0.910 ppbv
RT: 1.700 min Scan# 498
Delta R.T. -0.010 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 64 Resp: 1660
Ion Ratio Lower Upper
64 100
66 30.0 25.7 38.5

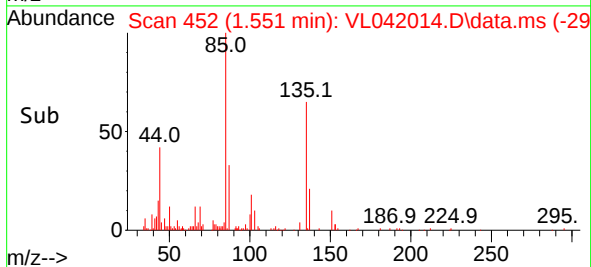
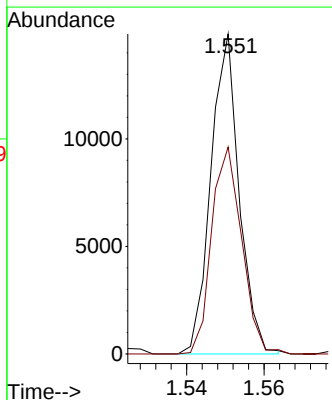
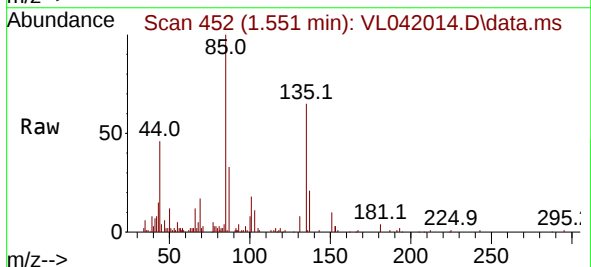
Manual Integrations
APPROVED

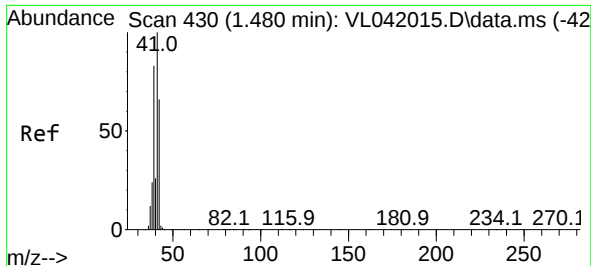
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#8
Dichlorotetrafluoroethane
Concen: 0.702 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.006 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

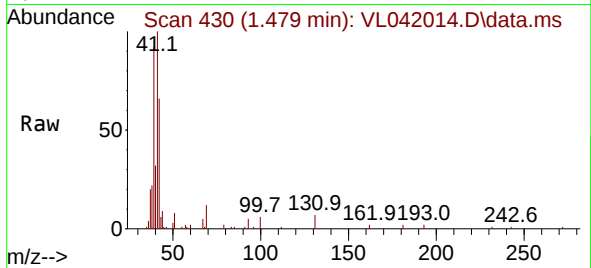
Tgt Ion: 85 Resp: 7552
Ion Ratio Lower Upper
85 100
135 68.7 50.0 75.0





#9
Propene
Concen: 0.881 ppbv
RT: 1.479 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

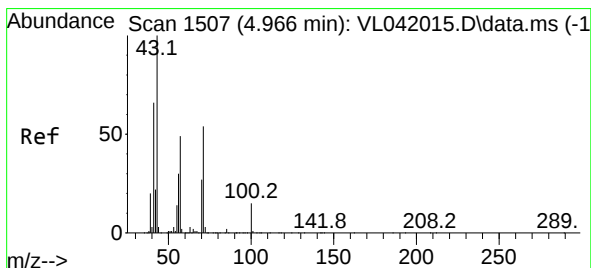
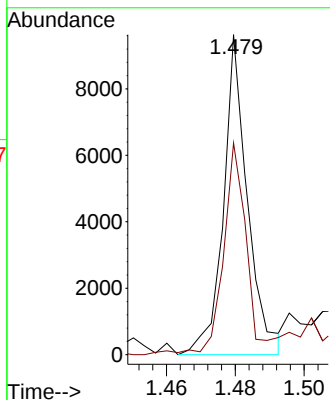
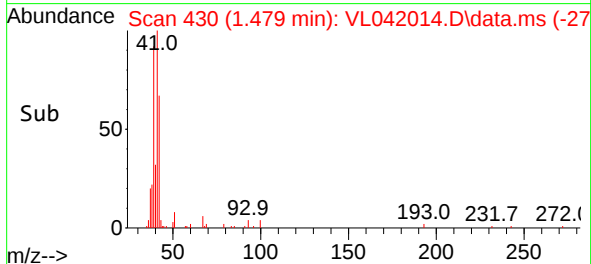
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



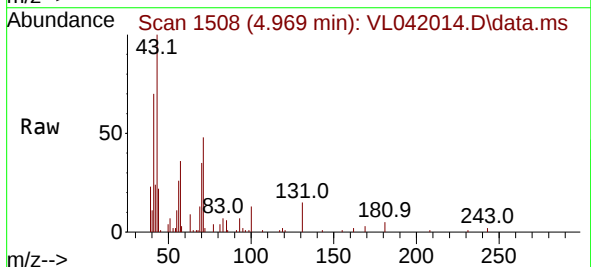
Tgt Ion: 41 Resp: 4680
Ion Ratio Lower Upper
41 100
42 76.8 52.0 78.0

Manual Integrations
APPROVED

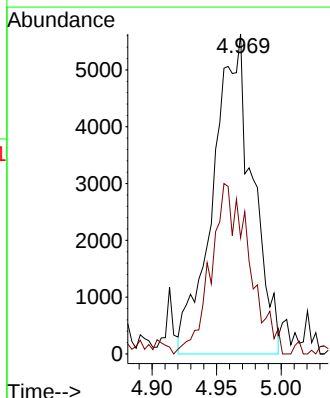
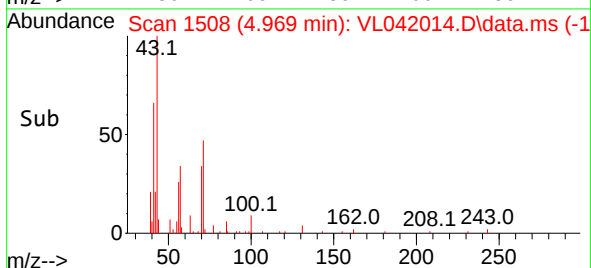
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

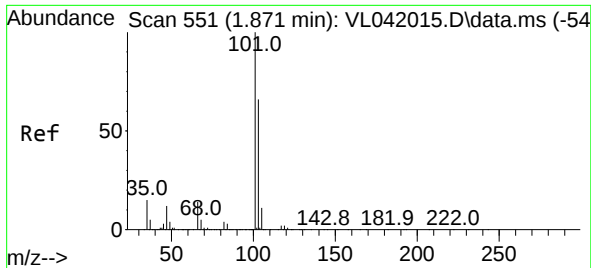


#10
Heptane
Concen: 0.846 ppbv m
RT: 4.969 min Scan# 1508
Delta R.T. -0.032 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50



Tgt Ion: 43 Resp: 12004
Ion Ratio Lower Upper
43 100
57 0.0 41.0 61.4#





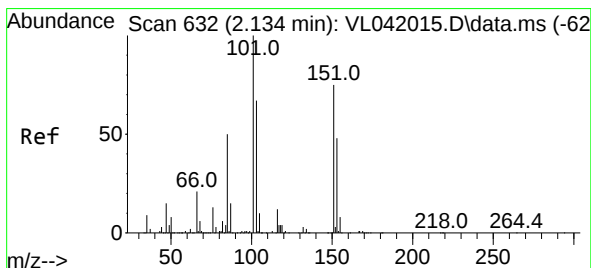
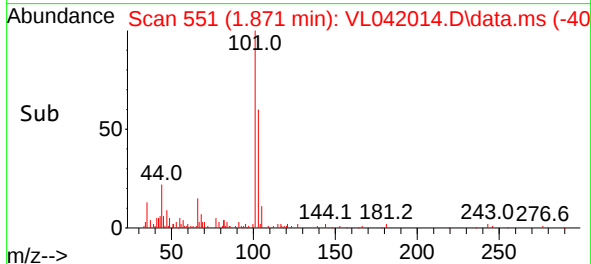
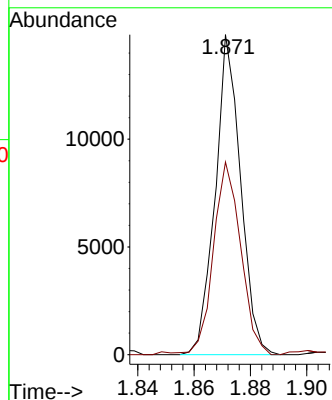
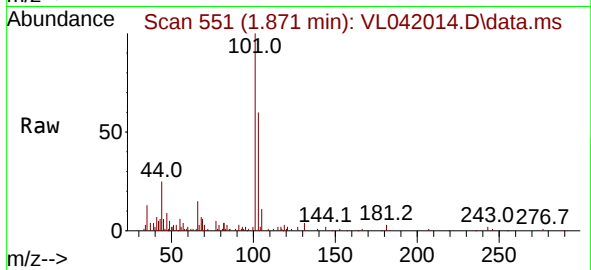
#11
 Trichlorofluoromethane
 Concen: 0.725 ppbv
 RT: 1.871 min Scan# 551
 Delta R.T. -0.013 min
 Lab File: VL042014.D
 Acq: 14 Feb 2025 11:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:101 Resp: 928
 Ion Ratio Lower Upper
 101 100
 103 60.2 53.1 79.7

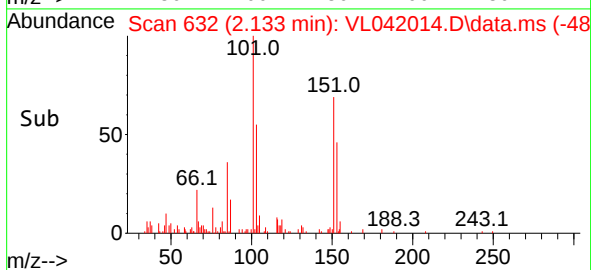
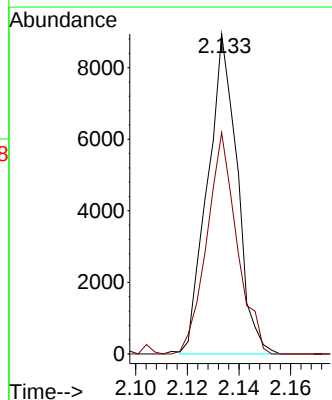
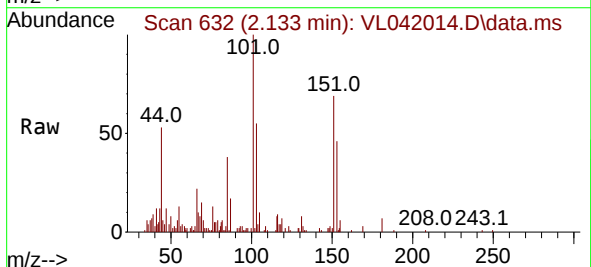
Manual Integrations
 APPROVED

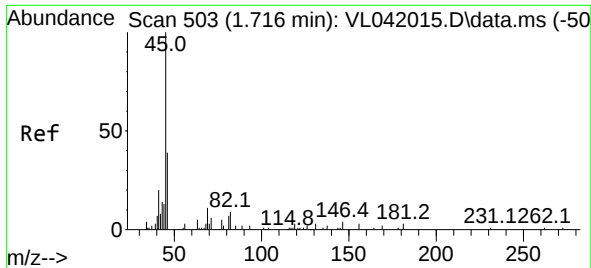
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.709 ppbv
 RT: 2.133 min Scan# 632
 Delta R.T. -0.013 min
 Lab File: VL042014.D
 Acq: 14 Feb 2025 11:50

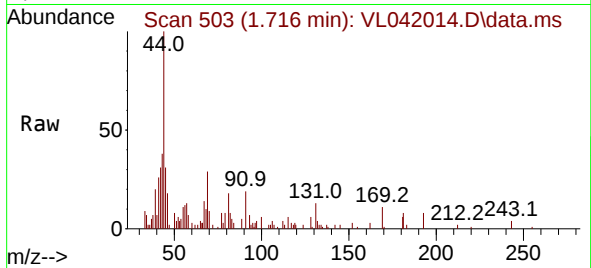
Tgt Ion:101 Resp: 7114
 Ion Ratio Lower Upper
 101 100
 151 71.2 56.1 84.1





#13
Ethanol
Concen: 3.224 ppbv m
RT: 1.716 min Scan# 503
Delta R.T. -0.010 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

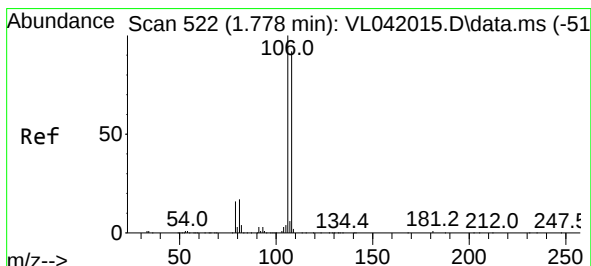
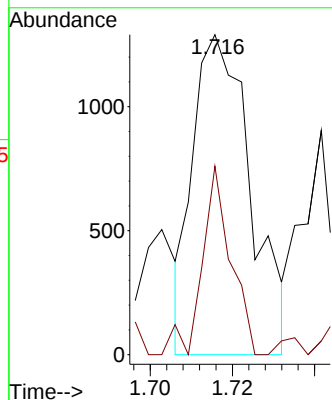
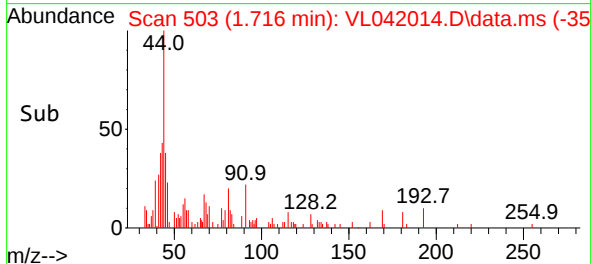
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



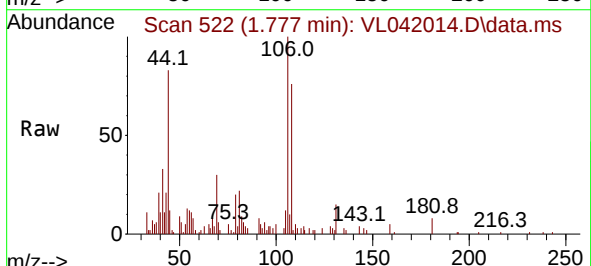
Tgt Ion: 45 Resp: 1254
Ion Ratio Lower Upper
45 100
46 40.3 18.1 72.5

Manual Integrations
APPROVED

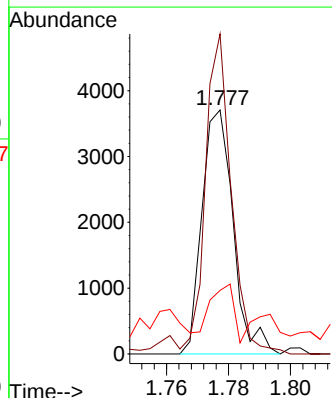
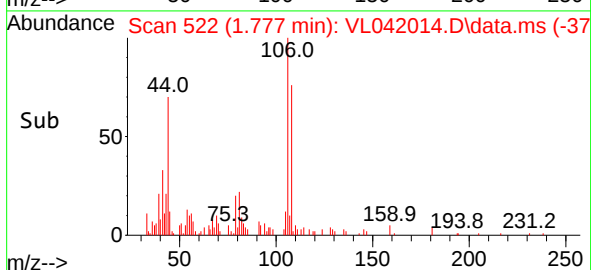
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

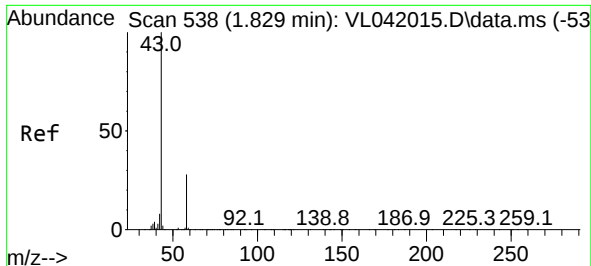


#14
Bromoethene
Concen: 0.704 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.010 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50



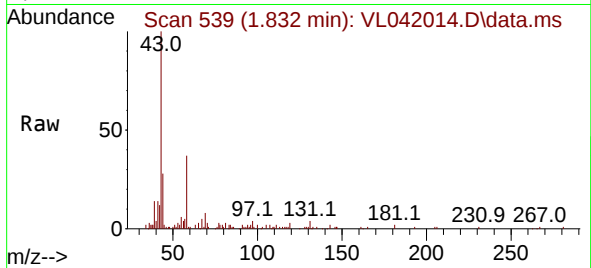
Tgt Ion:108 Resp: 2586
Ion Ratio Lower Upper
108 100
106 115.2 85.5 128.3
79 50.0 15.3 22.9





#15
Acetone
Concen: 0.892 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.010 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

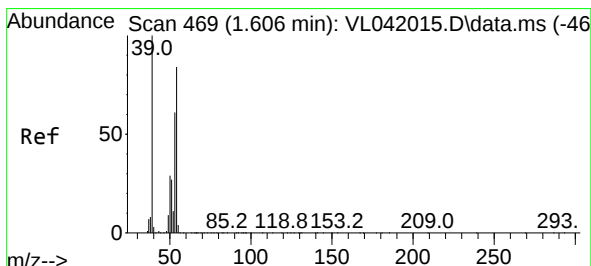
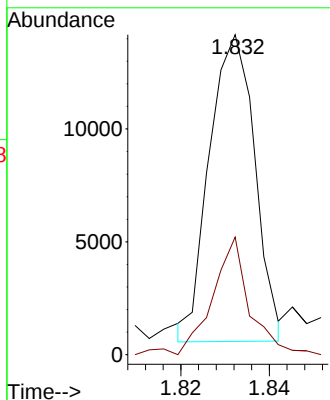
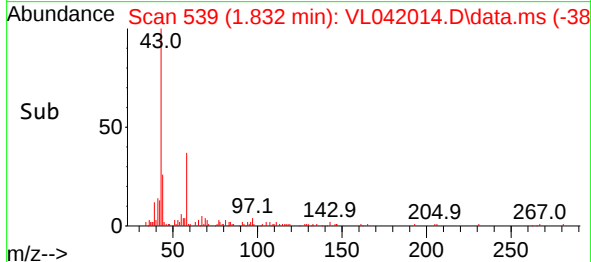
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



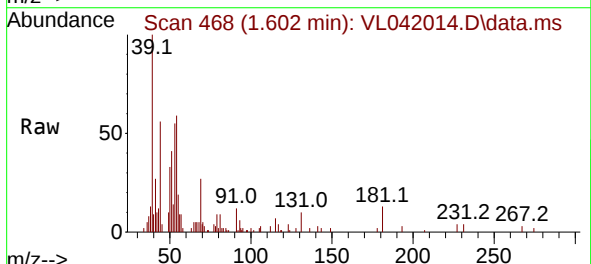
Tgt Ion: 43 Resp: 968
Ion Ratio Lower Upper
43 100
58 33.1 21.9 32.9

Manual Integrations
APPROVED

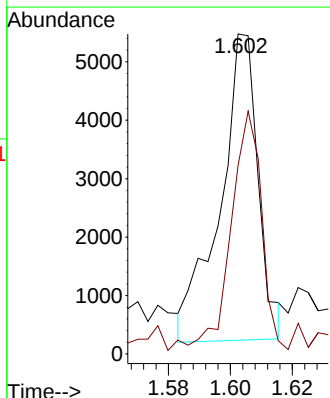
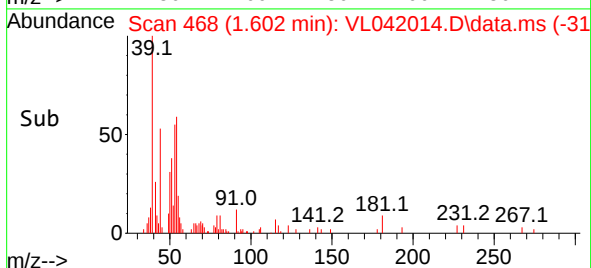
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

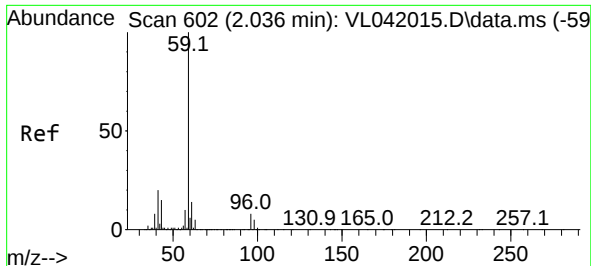


#16
1,3-Butadiene
Concen: 0.922 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.010 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50



Tgt Ion: 39 Resp: 4492
Ion Ratio Lower Upper
39 100
54 66.4 61.6 92.4





#17

tert-Butyl alcohol

Concen: 0.773 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.010 min

Lab File: VL042014.D

Acq: 14 Feb 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 59 Resp: 1032

Ion Ratio Lower Upper

59 100

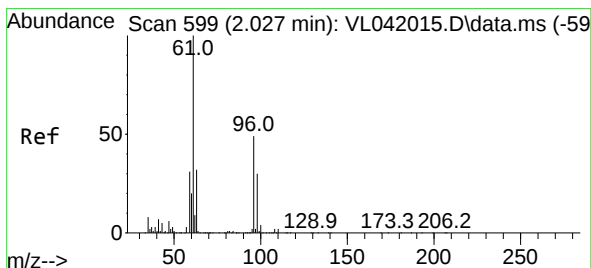
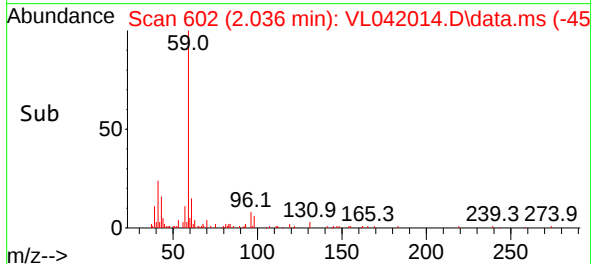
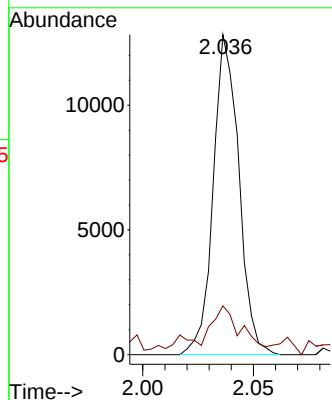
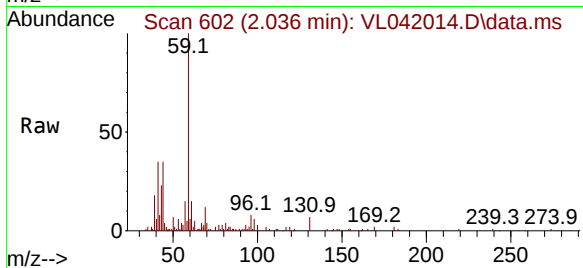
57 32.8 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#18

1,1-Dichloroethene

Concen: 0.767 ppbv

RT: 2.334 min Scan# 694

Delta R.T. 0.295 min

Lab File: VL042014.D

Acq: 14 Feb 2025 11:50

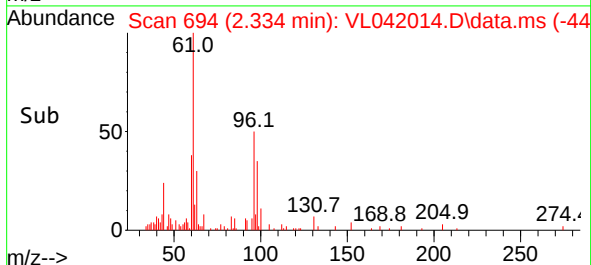
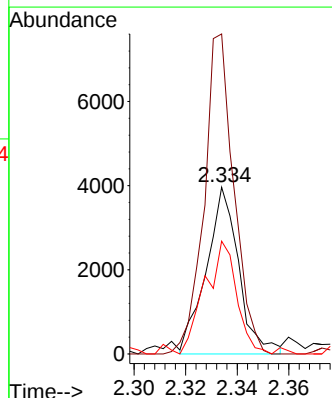
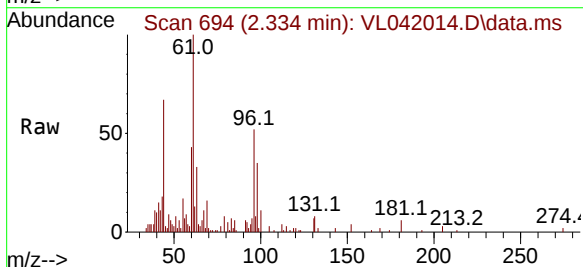
Tgt Ion: 96 Resp: 3467

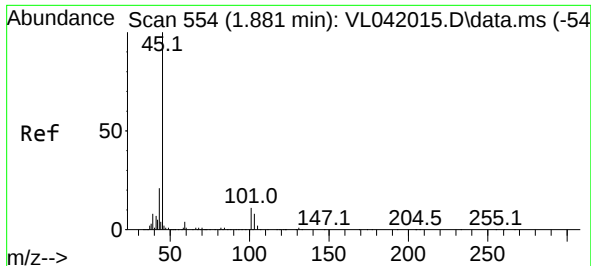
Ion Ratio Lower Upper

96 100

61 196.5 163.1 244.7

98 69.3 52.7 79.1





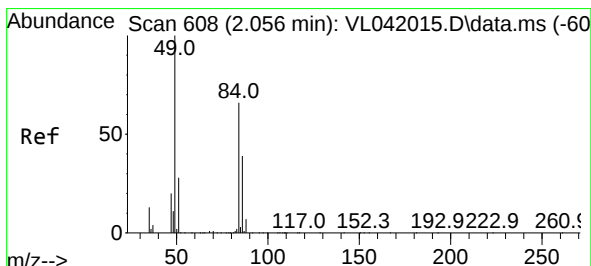
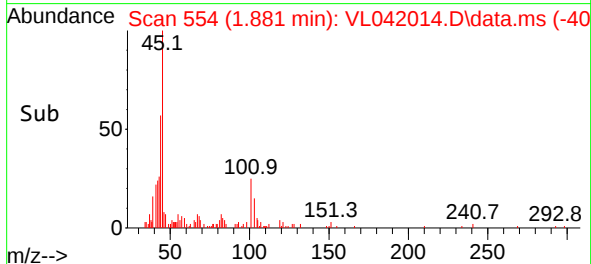
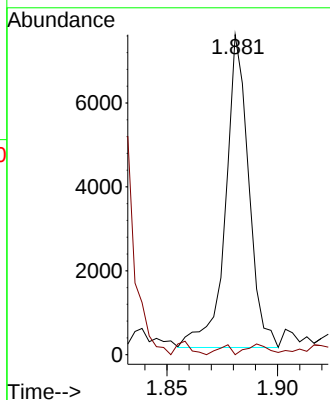
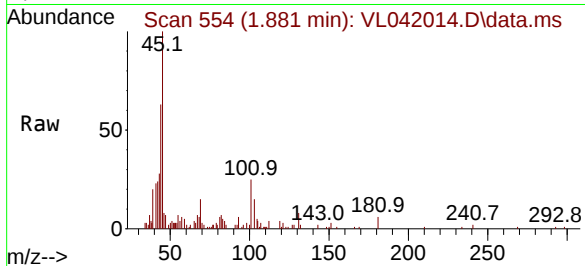
#19
Isopropyl Alcohol
Concen: 0.844 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.010 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 45 Resp: 5429
Ion Ratio Lower Upper
45 100
58 5.5 35.0 52.6

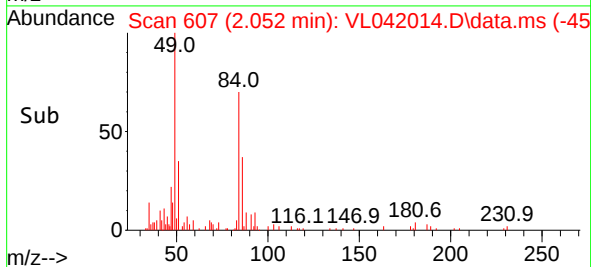
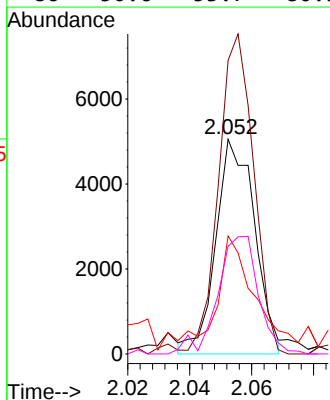
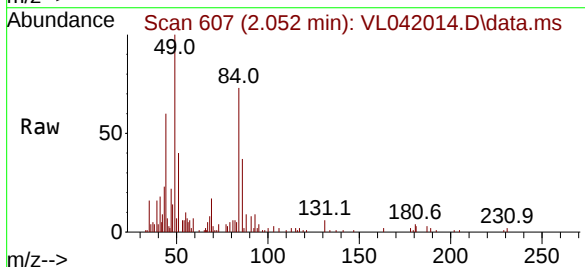
Manual Integrations
APPROVED

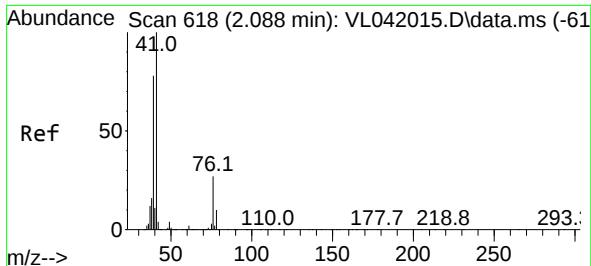
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#20
Methylene Chloride
Concen: 1.024 ppbv
RT: 2.052 min Scan# 607
Delta R.T. -0.016 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Tgt Ion: 84 Resp: 4392
Ion Ratio Lower Upper
84 100
49 142.3 123.1 184.7
51 51.4 35.8 53.8
86 50.6 53.7 80.5





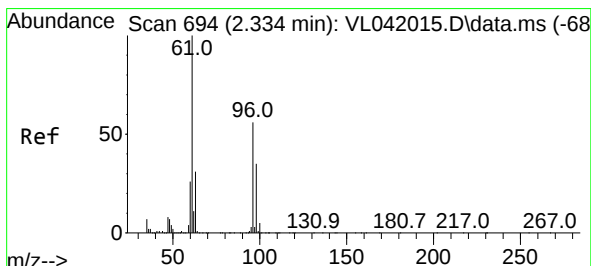
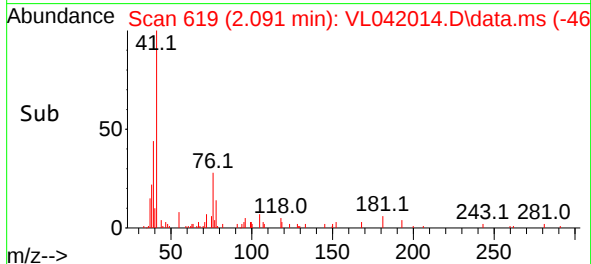
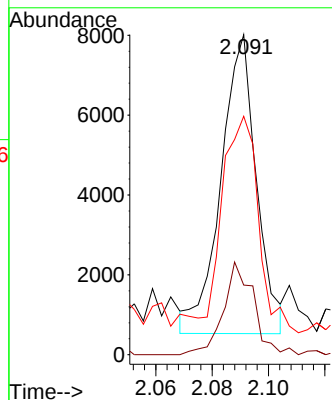
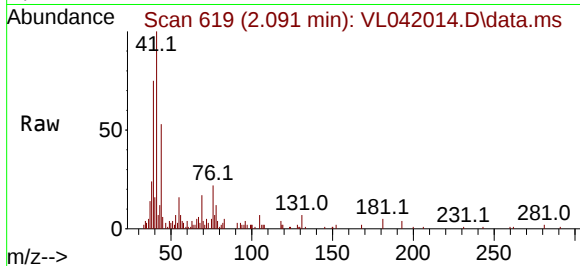
#21
 Allyl Chloride
 Concen: 0.871 ppbv
 RT: 2.091 min Scan# 618
 Delta R.T. -0.010 min
 Lab File: VL042014.D
 Acq: 14 Feb 2025 11:50

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 654
 Ion Ratio Lower Upper
 41 100
 76 27.0 24.2 36.4
 39 81.5 60.6 91.0

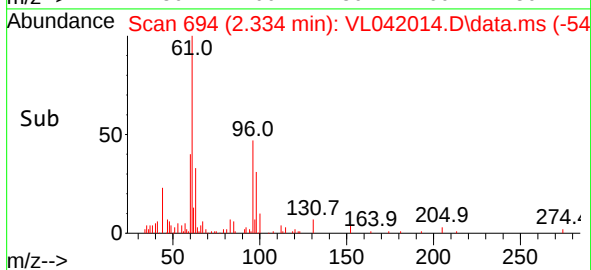
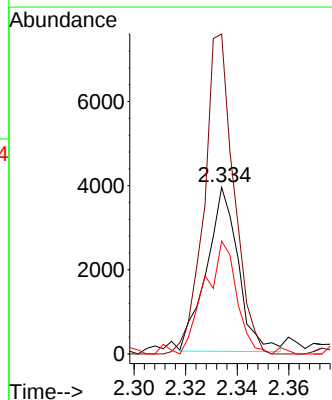
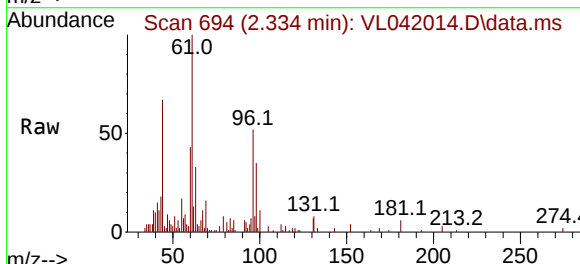
Manual Integrations
 APPROVED

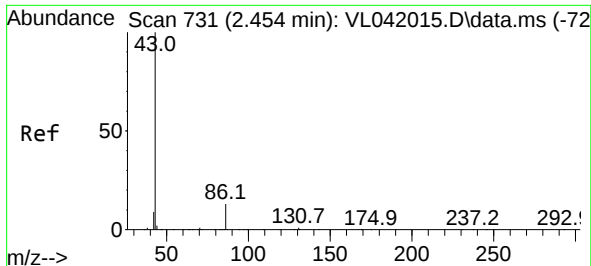
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.651 ppbv
 RT: 2.334 min Scan# 694
 Delta R.T. -0.013 min
 Lab File: VL042014.D
 Acq: 14 Feb 2025 11:50

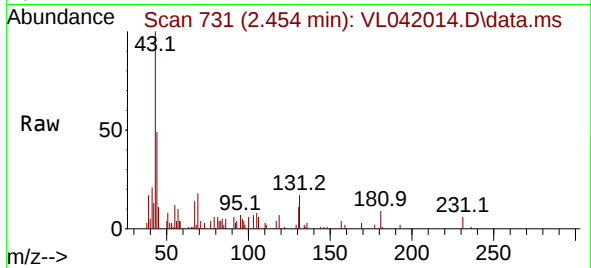
Tgt Ion: 96 Resp: 3324
 Ion Ratio Lower Upper
 96 100
 61 196.5 134.5 201.7
 98 69.3 48.9 73.3





#23
 Vinyl Acetate
 Concen: 0.904 ppbv m
 RT: 2.454 min Scan# 715
 Delta R.T. -0.016 min
 Lab File: VL042014.D
 Acq: 14 Feb 2025 11:50

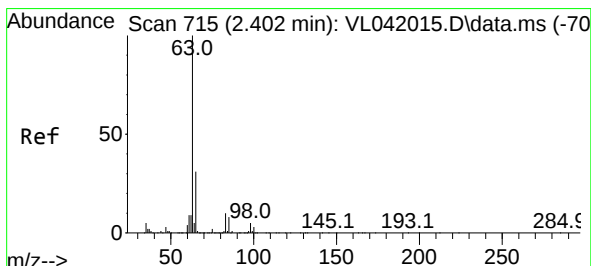
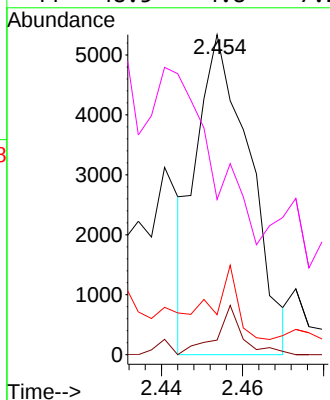
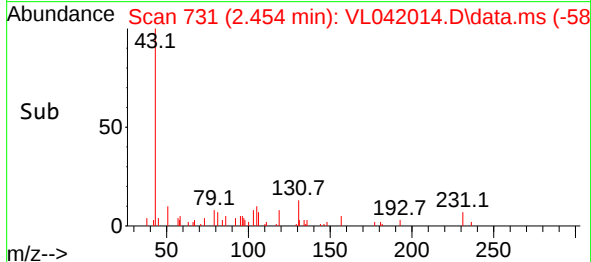
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



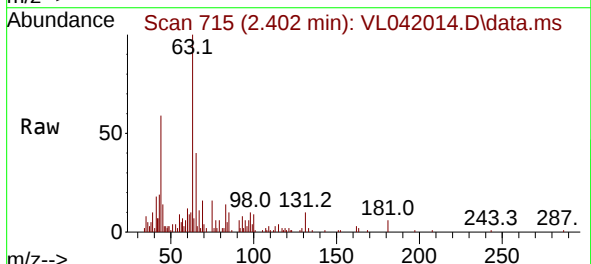
Tgt Ion: 43	Resp: 4864
Ion Ratio	Lower Upper
43 100	
86 4.5	6.2 9.4
42 12.5	8.5 12.7
44 48.5	4.8 7.2

Manual Integrations
 APPROVED

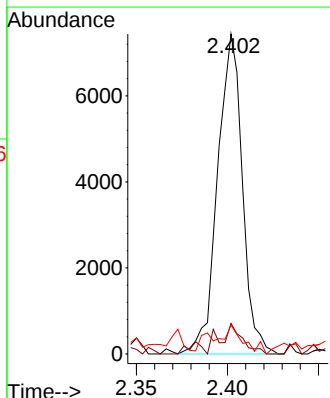
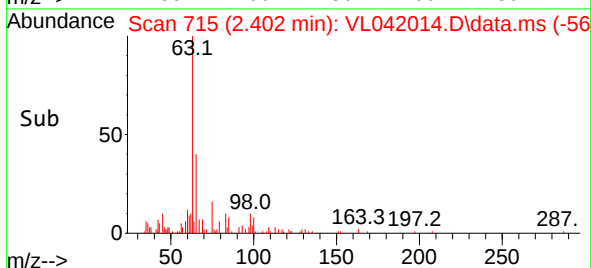
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

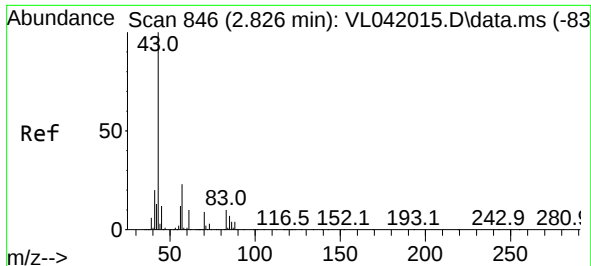


#24
 1,1-Dichloroethane
 Concen: 0.712 ppbv
 RT: 2.402 min Scan# 715
 Delta R.T. -0.016 min
 Lab File: VL042014.D
 Acq: 14 Feb 2025 11:50



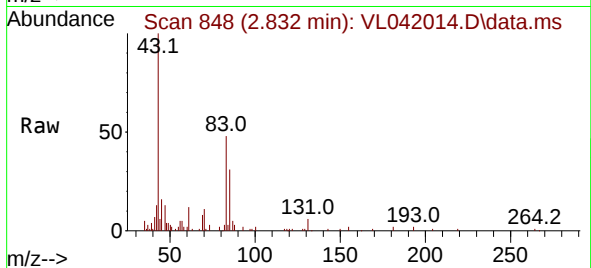
Tgt Ion: 63	Resp: 7027
Ion Ratio	Lower Upper
63 100	
98 9.5	2.6 7.8#
100 6.6	1.4 4.2#





#25
Ethyl Acetate
Concen: 0.716 ppbv
RT: 2.832 min Scan# 846
Delta R.T. -0.013 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

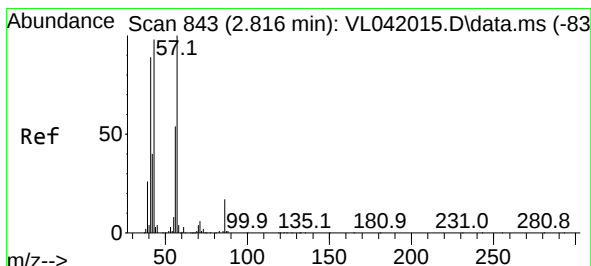
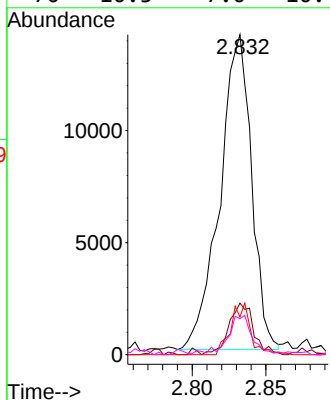
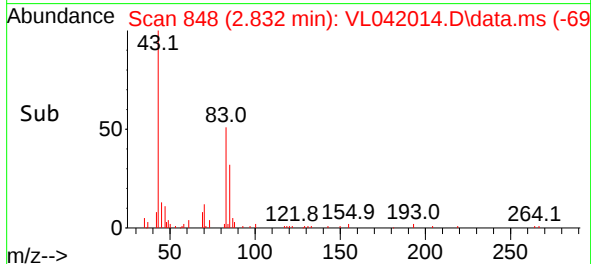
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 43 Resp: 20964
Ion Ratio Lower Upper
43 100
45 12.7 8.2 12.2
61 10.3 7.4 11.0
70 10.3 7.0 10.4

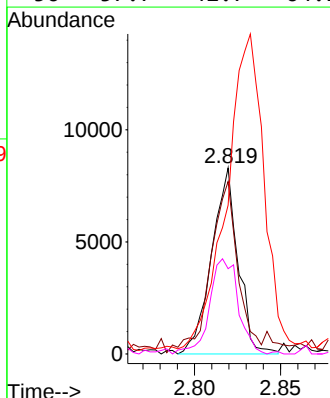
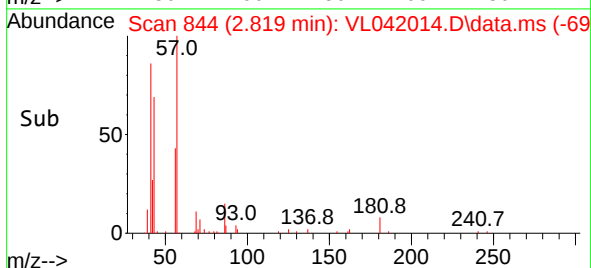
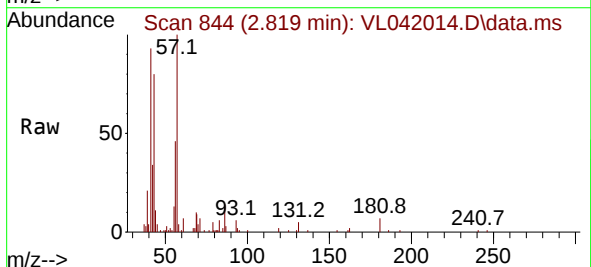
Manual Integrations
APPROVED

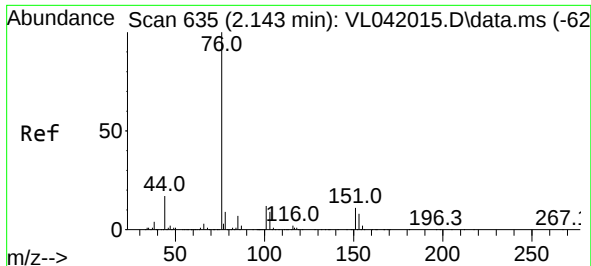
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#26
Hexane
Concen: 0.766 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.016 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Tgt Ion: 57 Resp: 8864
Ion Ratio Lower Upper
57 100
41 109.4 73.8 110.8
43 253.8 197.3 295.9
56 57.7 42.7 64.1





#27

Carbon Disulfide

Concen: 0.715 ppbv

RT: 2.143 min Scan# 618

Delta R.T. -0.013 min

Lab File: VL042014.D

Acq: 14 Feb 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

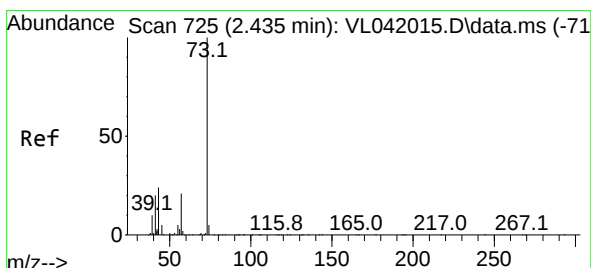
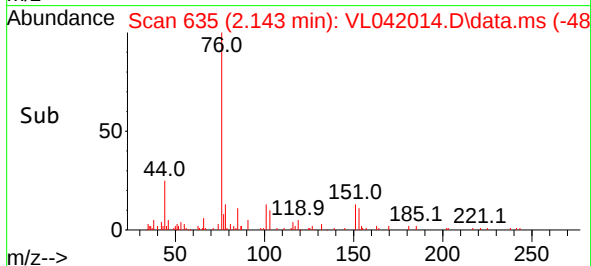
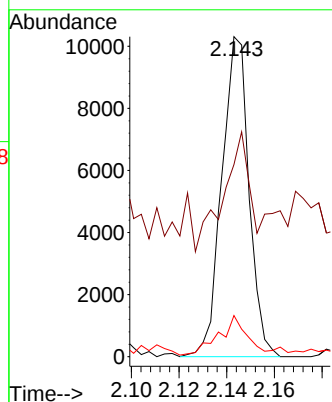
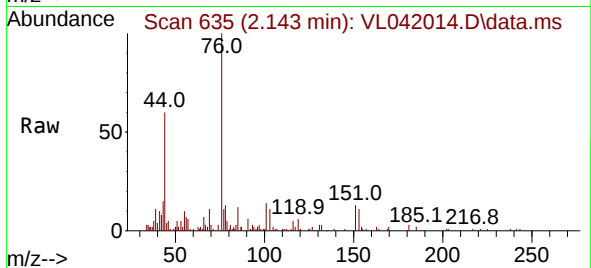
Tgt Ion:	76	Resp:	818
Ion	Ratio	Lower	Upper
76	100		
44	152.3	15.4	23.0
78	15.5	9.3	13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#28

Methyl tert-Butyl Ether

Concen: 0.571 ppbv

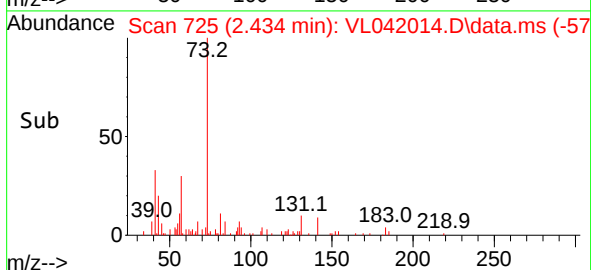
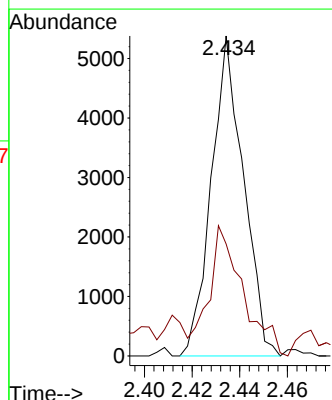
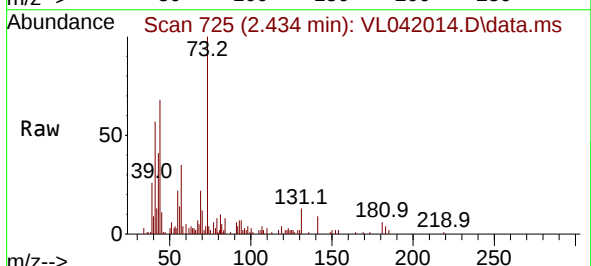
RT: 2.434 min Scan# 725

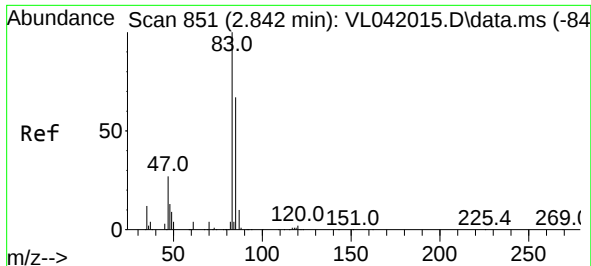
Delta R.T. -0.016 min

Lab File: VL042014.D

Acq: 14 Feb 2025 11:50

Tgt Ion:	73	Resp:	5052
Ion	Ratio	Lower	Upper
73	100		
57	45.3	18.1	27.1





#29

Chloroform

Concen: 0.703 ppbv

RT: 2.839 min Scan# 81

Delta R.T. -0.019 min

Lab File: VL042014.D

Acq: 14 Feb 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 1286

Ion Ratio Lower Upper

83 100

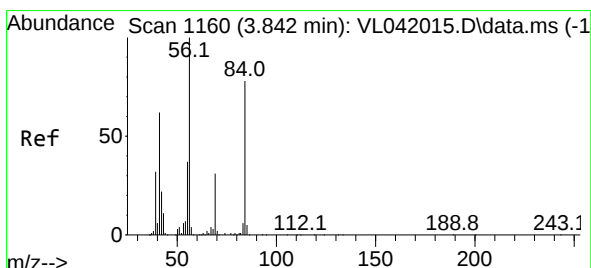
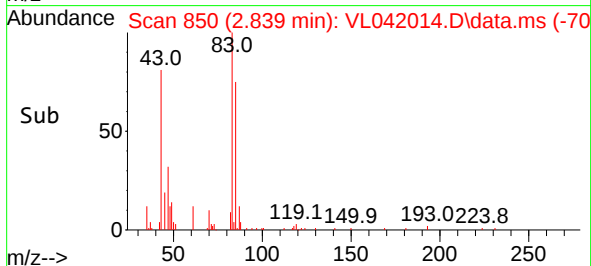
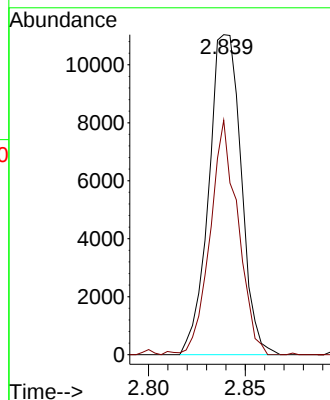
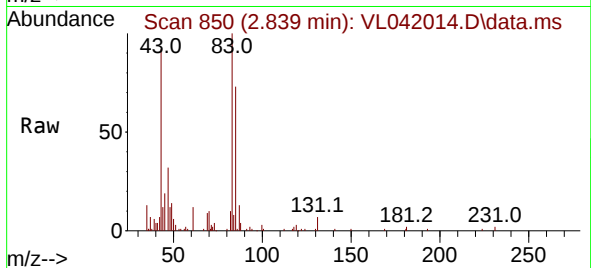
85 73.3 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#30

Cyclohexane

Concen: 0.810 ppbv m

RT: 3.839 min Scan# 1159

Delta R.T. -0.029 min

Lab File: VL042014.D

Acq: 14 Feb 2025 11:50

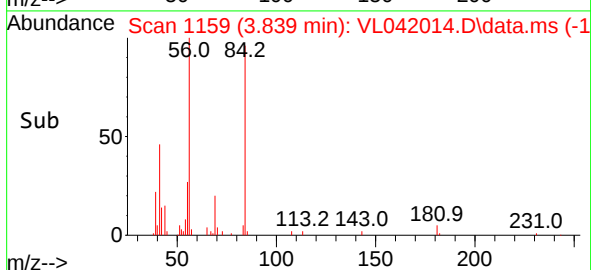
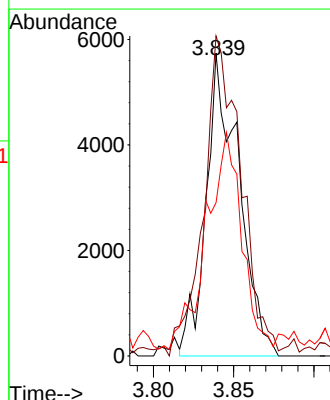
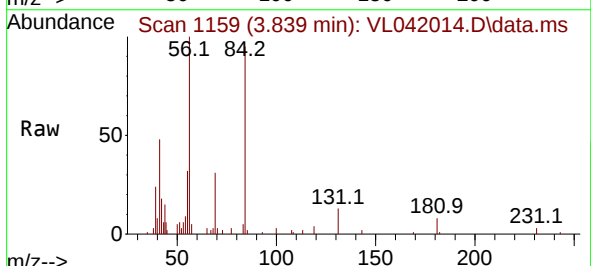
Tgt Ion: 84 Resp: 8131

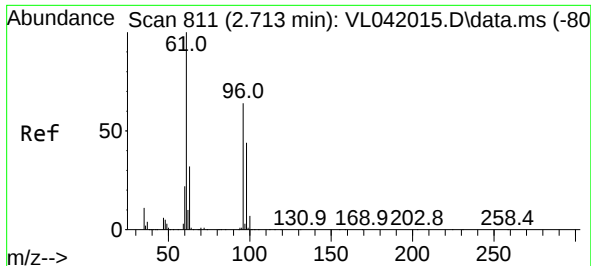
Ion Ratio Lower Upper

84 100

56 0.0 99.3 148.9#

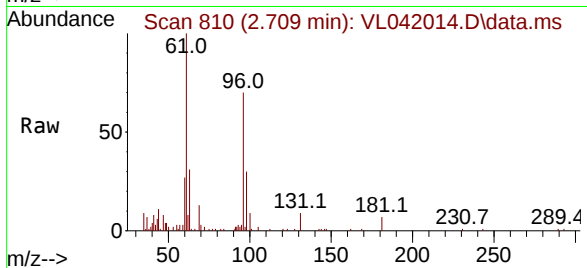
41 80.8 64.3 96.5





#31
cis-1,2-Dichloroethene
Concen: 0.725 ppbv m
RT: 2.709 min Scan# 811
Delta R.T. -0.019 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

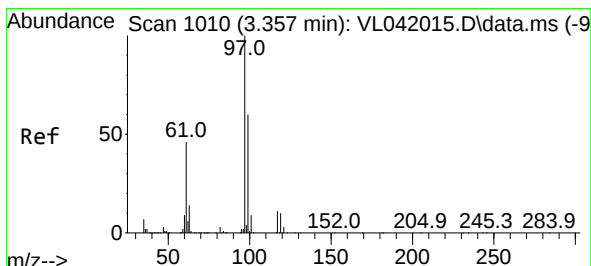
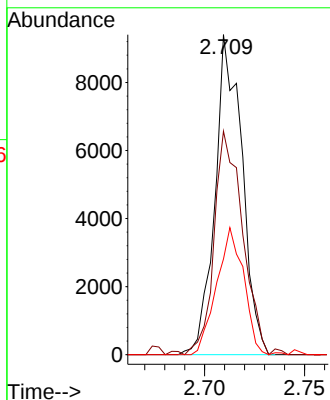
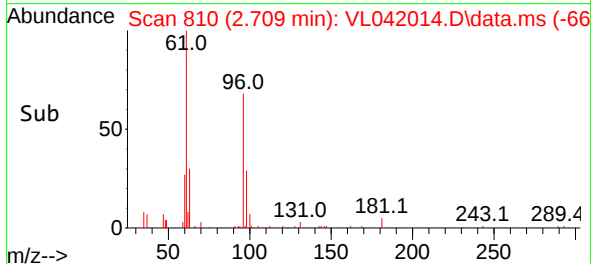
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 61 Resp: 8839
Ion Ratio Lower Upper
61 100
96 69.8 48.7 73.1
98 29.9 31.6 47.4

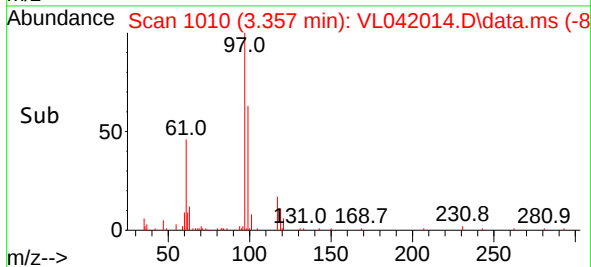
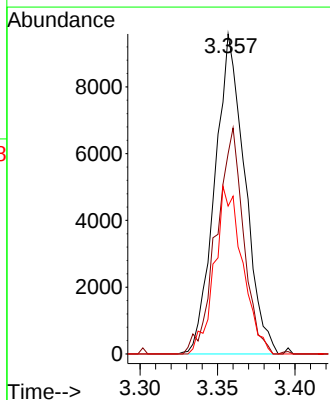
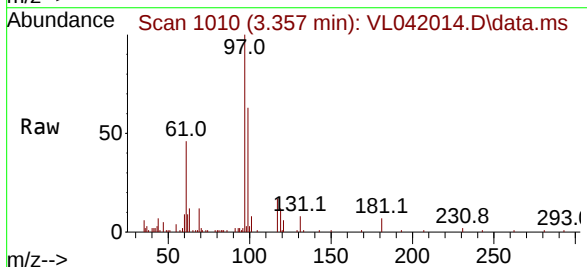
Manual Integrations
APPROVED

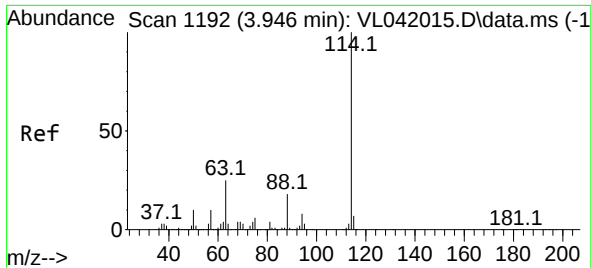
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#32
1,1,1-Trichloroethane
Concen: 0.737 ppbv
RT: 3.357 min Scan# 1010
Delta R.T. -0.023 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Tgt Ion: 97 Resp: 12903
Ion Ratio Lower Upper
97 100
99 64.4 51.1 76.7
61 48.8 39.0 58.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.943 min Scan# 1192

Delta R.T. -0.032 min

Lab File: VL042014.D

Acq: 14 Feb 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

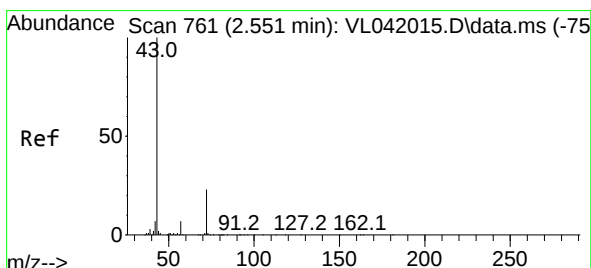
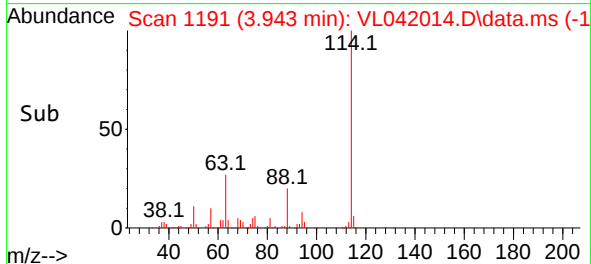
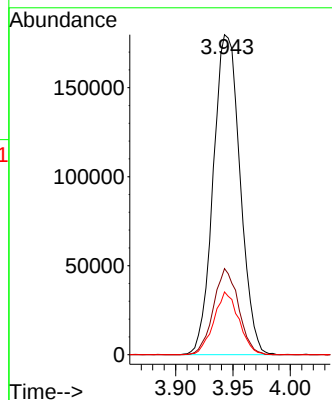
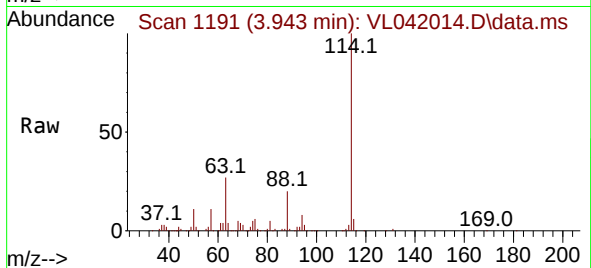
Tgt Ion:114 Resp: 29279

Ion	Ratio	Lower	Upper
114	100		
63	25.2	19.8	29.6
88	18.3	14.4	21.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#34

2-Butanone

Concen: 0.692 ppbv

RT: 2.554 min Scan# 762

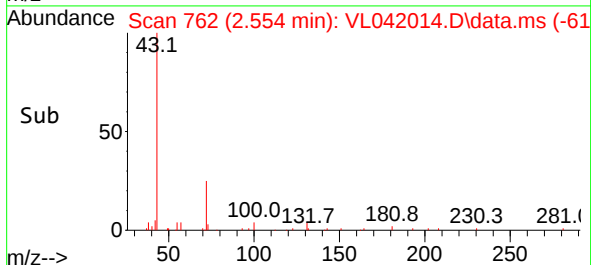
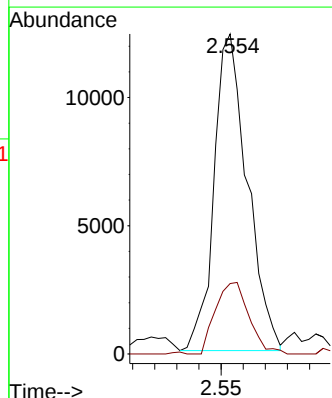
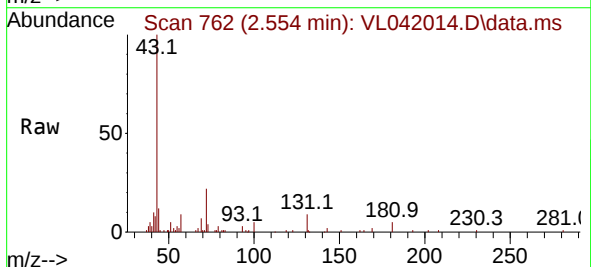
Delta R.T. -0.013 min

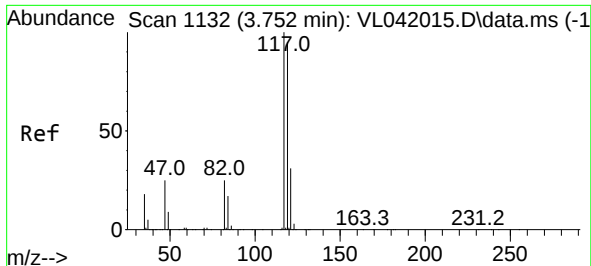
Lab File: VL042014.D

Acq: 14 Feb 2025 11:50

Tgt Ion: 43 Resp: 12882

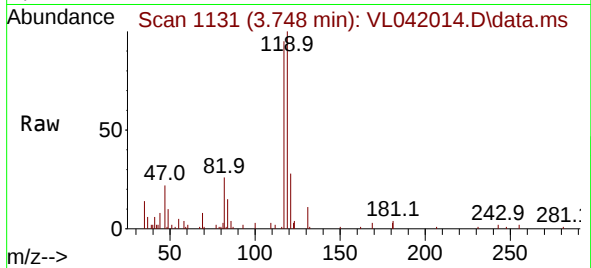
Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.6	28.0





#35
Carbon Tetrachloride
Concen: 0.663 ppbv
RT: 3.748 min Scan# 1131
Delta R.T. -0.029 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

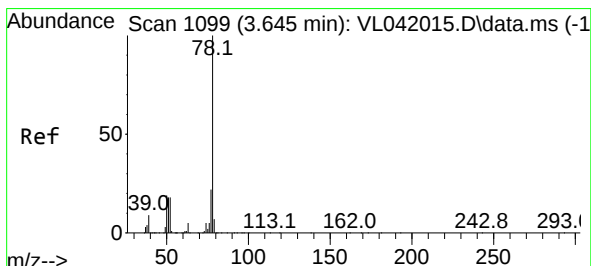
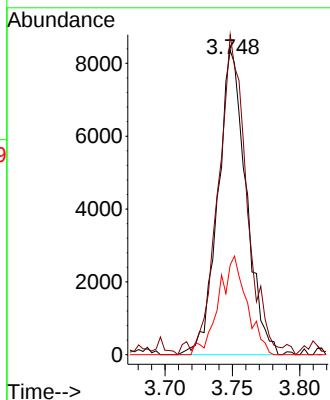
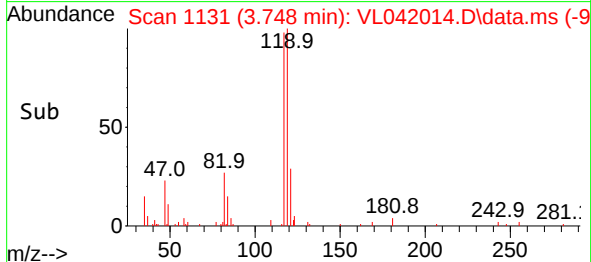
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



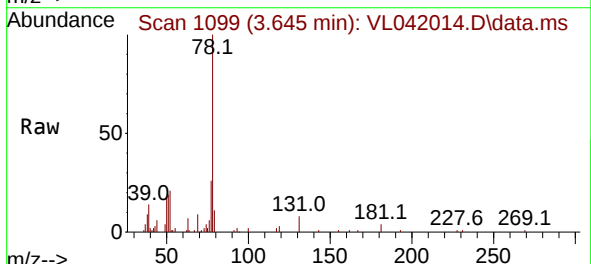
Tgt Ion:117 Resp: 1219
Ion Ratio Lower Upper
117 100
119 105.2 76.9 115.3
121 29.5 23.8 35.6

Manual Integrations
APPROVED

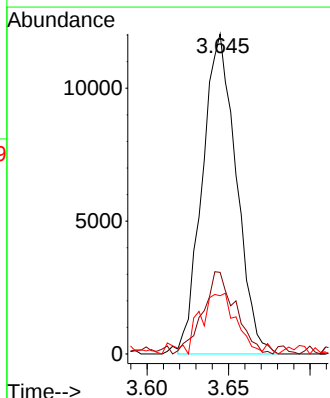
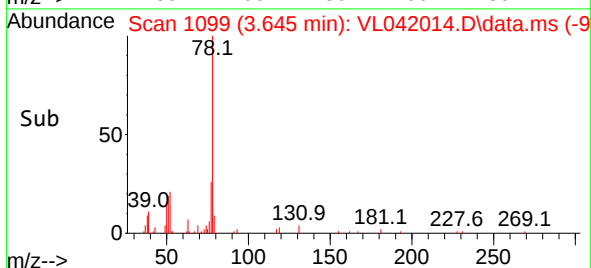
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

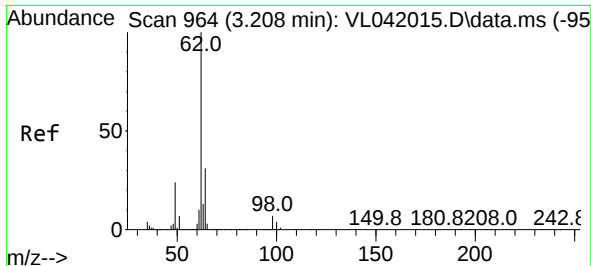


#36
Benzene
Concen: 0.647 ppbv
RT: 3.645 min Scan# 1099
Delta R.T. -0.026 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50



Tgt Ion: 78 Resp: 17386
Ion Ratio Lower Upper
78 100
77 24.5 18.1 27.1
50 18.2 15.2 22.8





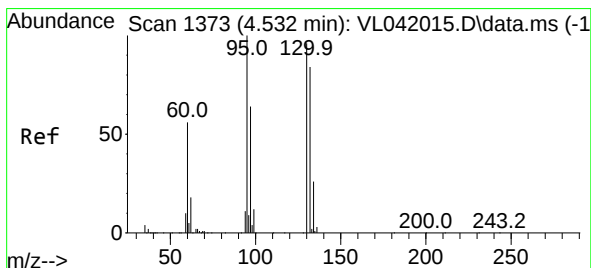
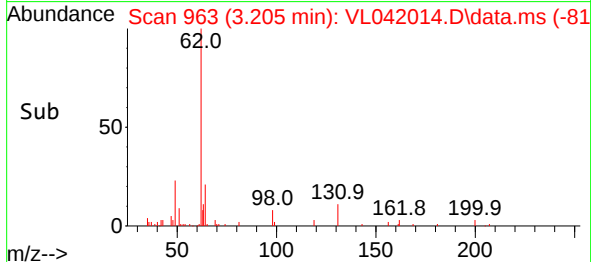
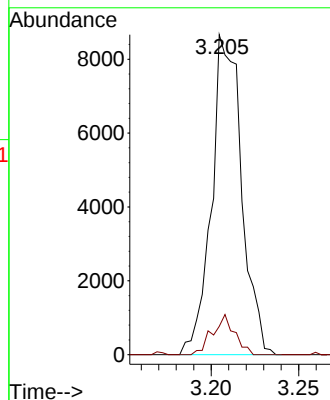
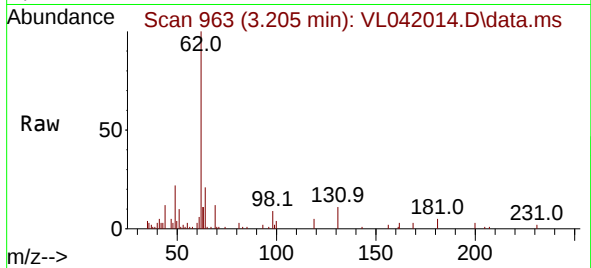
#37
1,2-Dichloroethane
Concen: 0.685 ppbv m
RT: 3.205 min Scan# 963
Delta R.T. -0.026 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 62 Resp: 10338
Ion Ratio Lower Upper
62 100
98 9.2 5.4 8.0

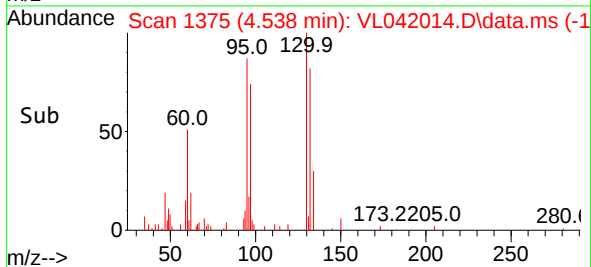
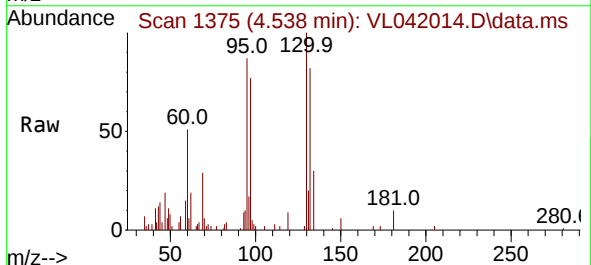
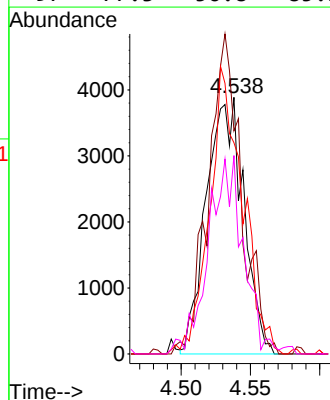
Manual Integrations
APPROVED

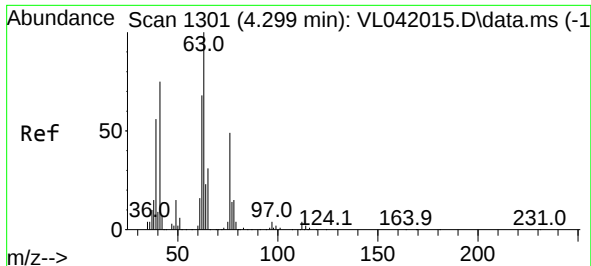
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#38
Trichloroethene
Concen: 0.681 ppbv m
RT: 4.538 min Scan# 1375
Delta R.T. -0.026 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Tgt Ion:130 Resp: 7255
Ion Ratio Lower Upper
130 100
95 87.0 85.8 128.8
132 82.3 76.5 114.7
97 77.3 56.8 85.2





#39

1,2-Dichloropropane

Concen: 0.733 ppbv m

RT: 4.305 min Scan# 1303

Delta R.T. -0.026 min

Lab File: VL042014.D

Acq: 14 Feb 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

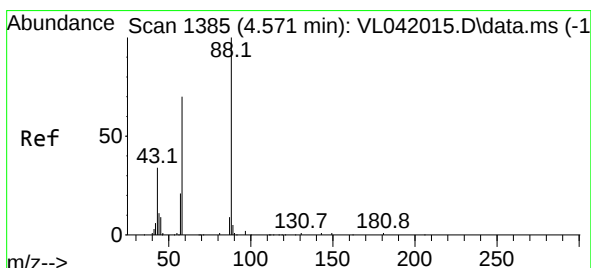
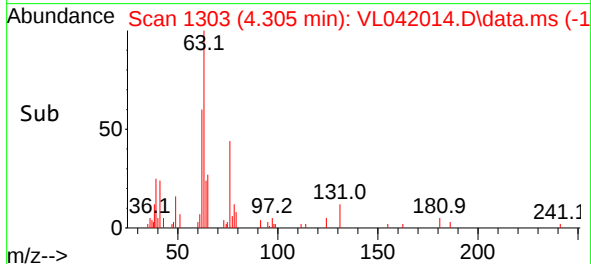
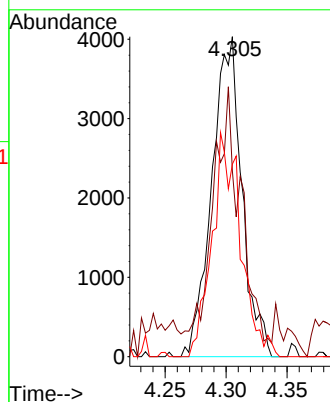
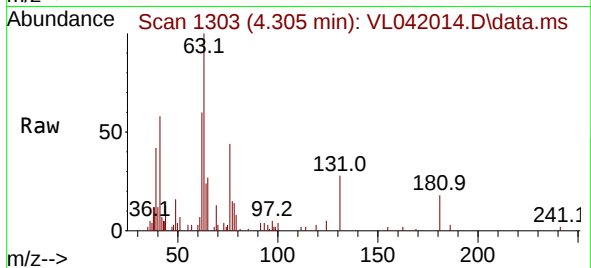
VSTDIC0.5

Tgt Ion: 63	Resp: 6900
Ion Ratio	Lower Upper
63 100	
41 58.1	63.7 95.5
62 60.1	55.4 83.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#40

1,4-Dioxane

Concen: 0.786 ppbv m

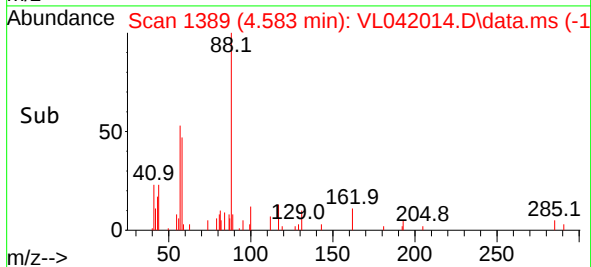
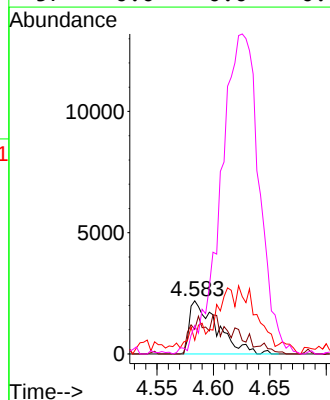
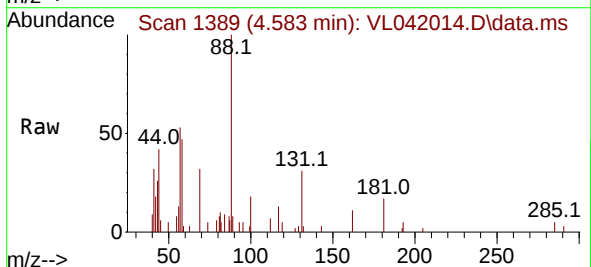
RT: 4.583 min Scan# 1389

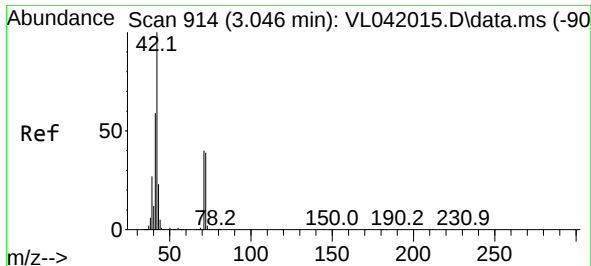
Delta R.T. -0.022 min

Lab File: VL042014.D

Acq: 14 Feb 2025 11:50

Tgt Ion: 88	Resp: 3738
Ion Ratio	Lower Upper
88 100	
58 0.0	62.1 93.1#
43 30.1	0.0 0.0#
57 0.0	0.0 0.0





#41

Tetrahydrofuran

Concen: 0.742 ppbv m

RT: 3.056 min Scan# 914

Delta R.T. -0.010 min

Lab File: VL042014.D

Acq: 14 Feb 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

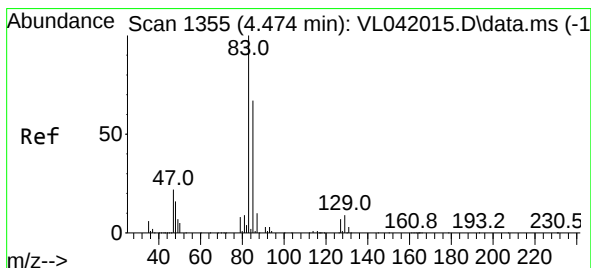
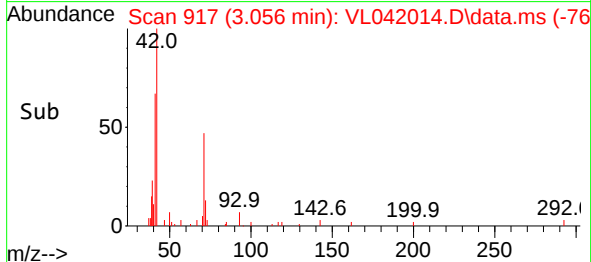
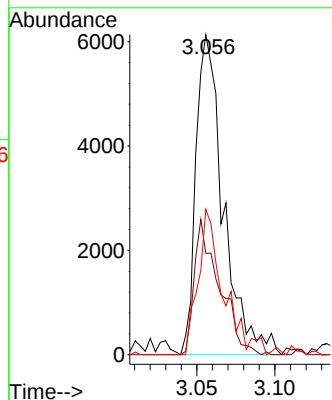
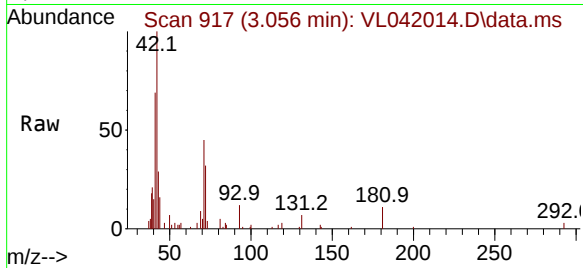
VSTDICC0.5

Tgt Ion:	42	Resp:	750
Ion Ratio	Lower	Upper	
42	100		
72	0.0	32.3	48.5
71	0.0	29.9	44.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#42

Bromodichloromethane

Concen: 0.679 ppbv m

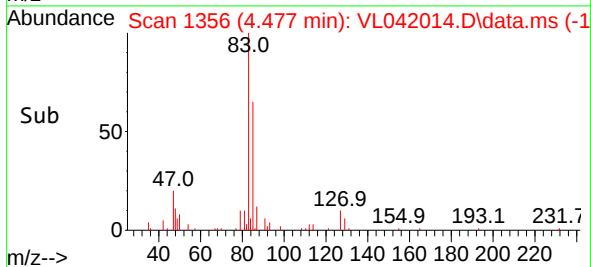
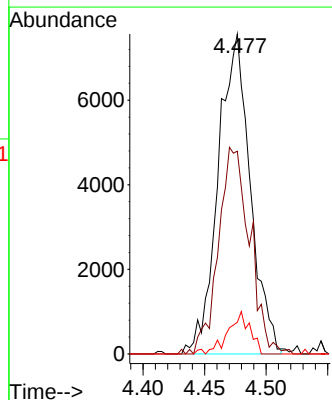
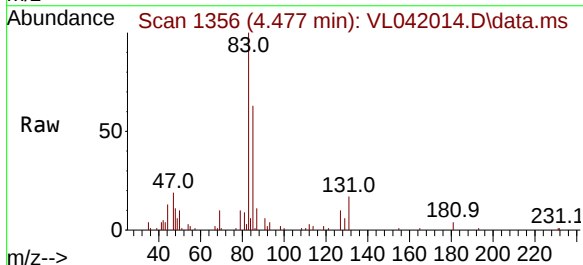
RT: 4.477 min Scan# 1356

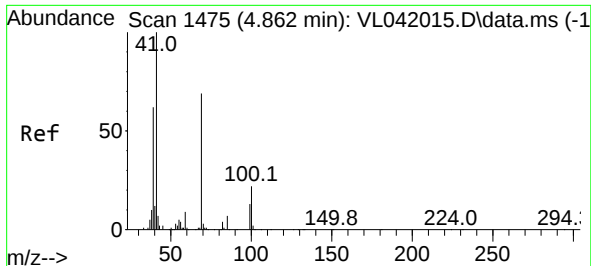
Delta R.T. -0.032 min

Lab File: VL042014.D

Acq: 14 Feb 2025 11:50

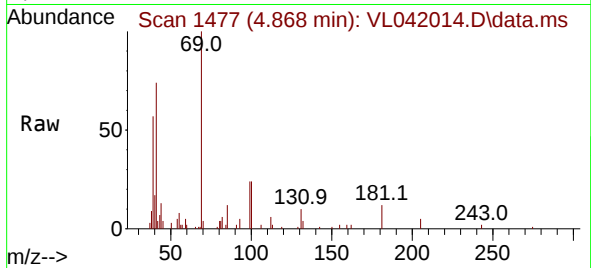
Tgt Ion:	83	Resp:	13726
Ion Ratio	Lower	Upper	
83	100		
85	63.4	52.6	78.8
127	9.9	6.4	9.6





#43
Methyl Methacrylate
Concen: 0.940 ppbv
RT: 4.868 min Scan# 1475
Delta R.T. -0.029 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

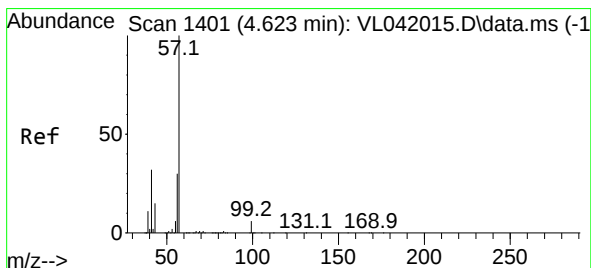
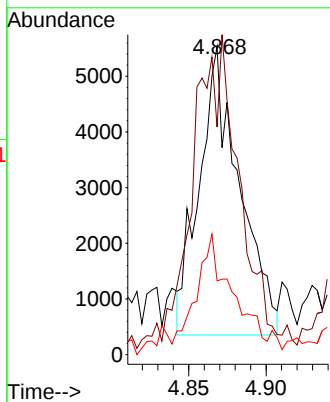
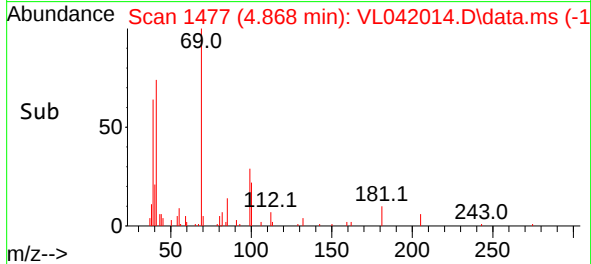
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



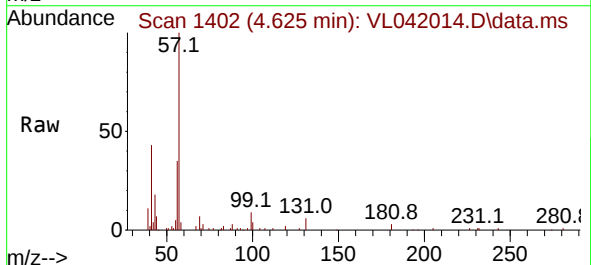
Tgt Ion: 69 Resp: 937
Ion Ratio Lower Upper
69 100
41 0.0 118.6 177.8
100 0.0 29.3 43.9

Manual Integrations
APPROVED

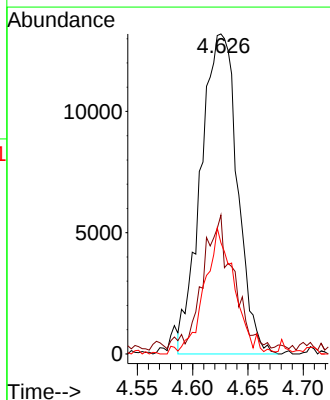
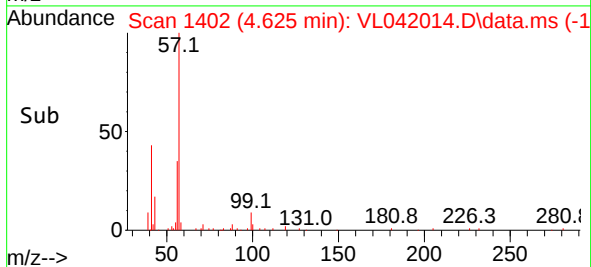
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

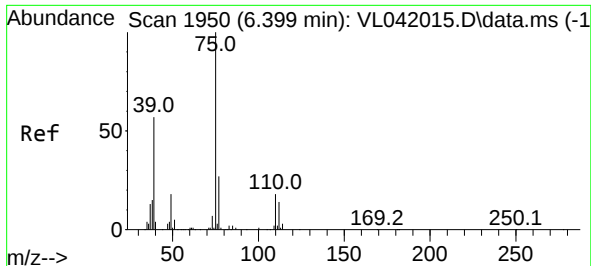


#44
2,2,4-Trimethylpentane
Concen: 0.699 ppbv
RT: 4.625 min Scan# 1402
Delta R.T. -0.032 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50



Tgt Ion: 57 Resp: 30369
Ion Ratio Lower Upper
57 100
41 37.7 26.6 40.0
56 32.6 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 0.847 ppbv m

RT: 6.396 min Scan# 1949

Delta R.T. -0.039 min

Lab File: VL042014.D

Acq: 14 Feb 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 75 Resp: 7909

Ion Ratio Lower Upper

75 100

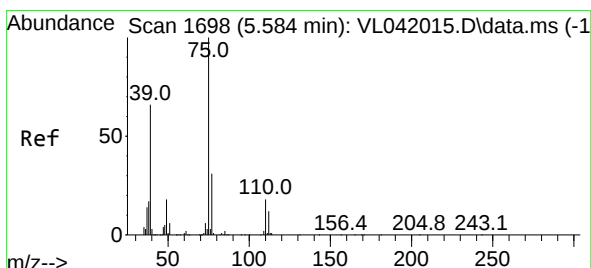
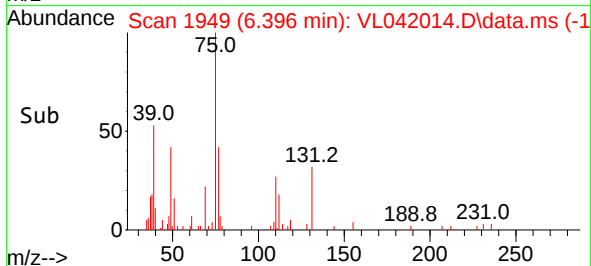
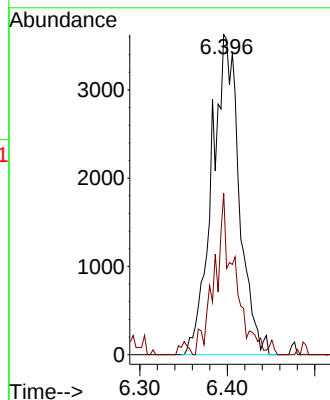
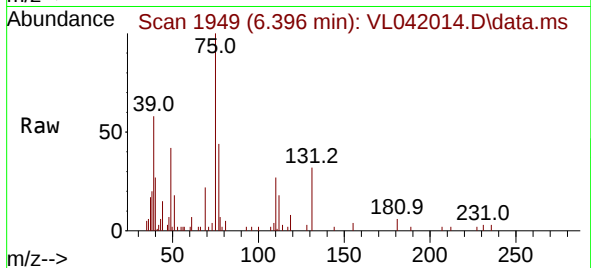
77 43.8 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#46

cis-1,3-Dichloropropene

Concen: 0.848 ppbv m

RT: 5.580 min Scan# 1697

Delta R.T. -0.042 min

Lab File: VL042014.D

Acq: 14 Feb 2025 11:50

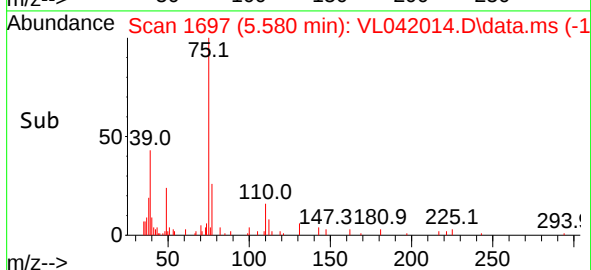
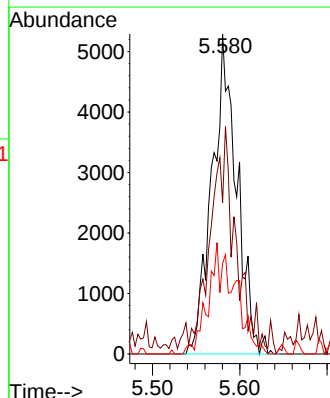
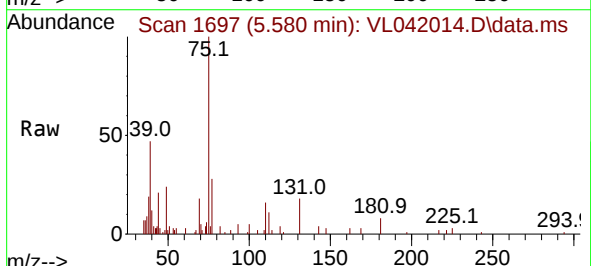
Tgt Ion: 75 Resp: 10391

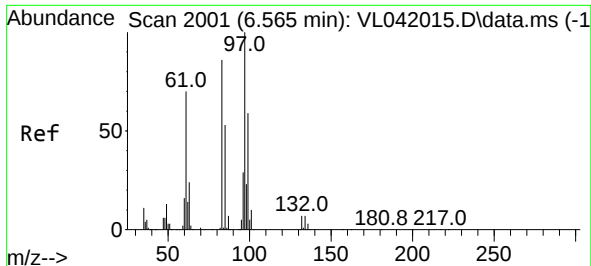
Ion Ratio Lower Upper

75 100

39 47.2 53.1 79.7

77 28.3 23.8 35.8





#47

1,1,2-Trichloroethane

Concen: 0.734 ppbv m

RT: 6.567 min Scan# 2001

Delta R.T. -0.032 min

Lab File: VL042014.D

Acq: 14 Feb 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 97 Resp: 7320

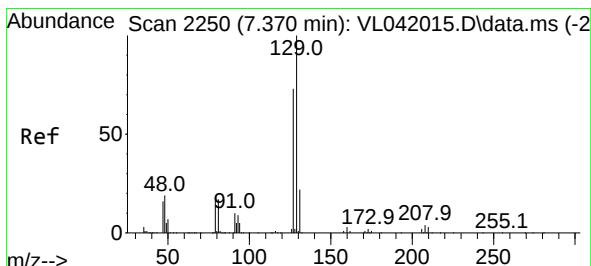
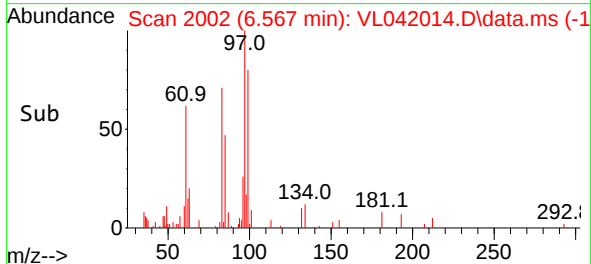
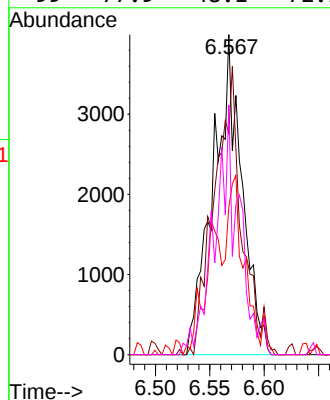
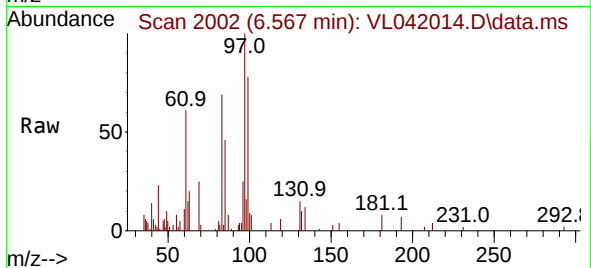
Ion	Ratio	Lower	Upper
97	100		
83	69.1	70.4	105.6
85	46.2	45.0	67.4
99	77.9	48.1	72.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#48

Dibromochloromethane

Concen: 0.772 ppbv m

RT: 7.373 min Scan# 2251

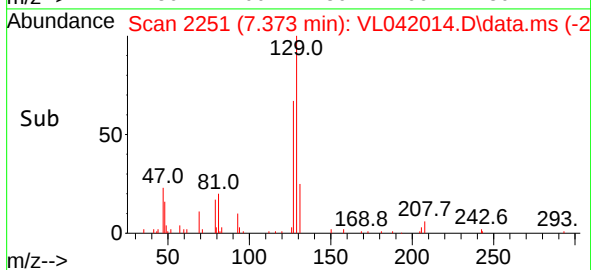
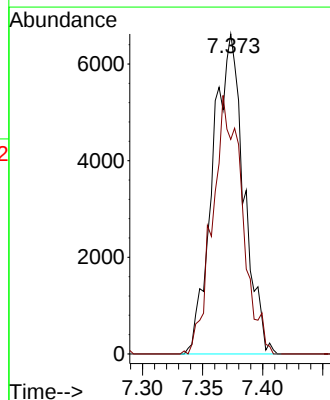
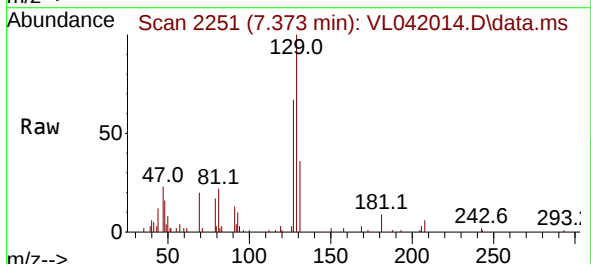
Delta R.T. -0.029 min

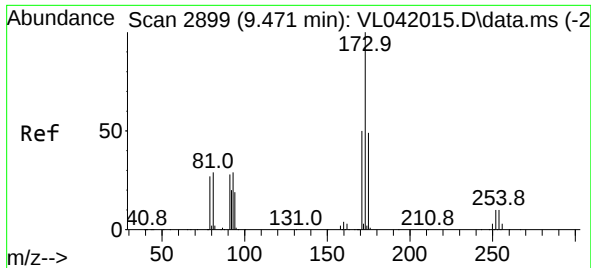
Lab File: VL042014.D

Acq: 14 Feb 2025 11:50

Tgt Ion:129 Resp: 11898

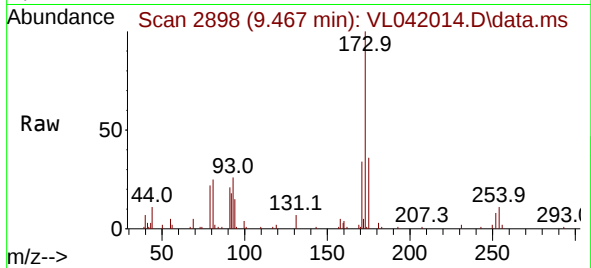
Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.3	117.8





#49
Bromoform
Concen: 0.752 ppbv
RT: 9.467 min Scan# 21
Delta R.T. -0.029 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

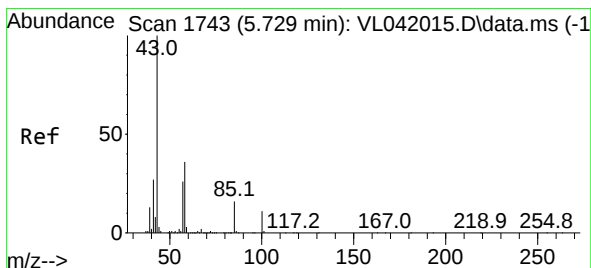
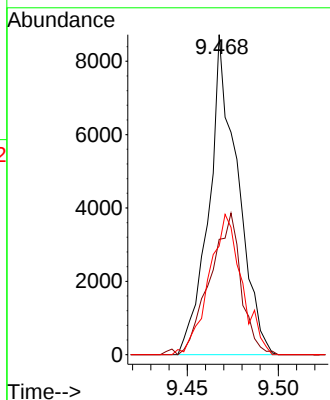
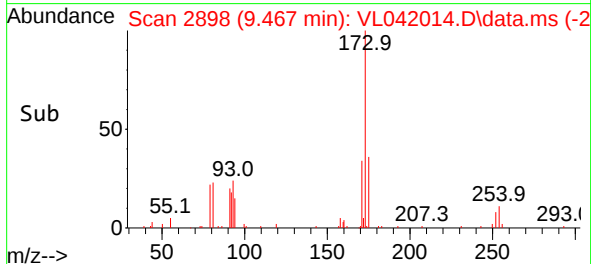
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion:173 Resp: 952
Ion Ratio Lower Upper
173 100
175 48.6 38.4 57.6
171 50.2 41.4 62.2

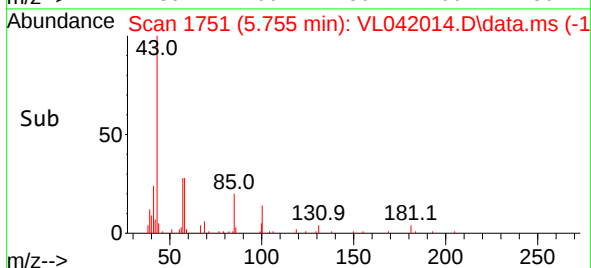
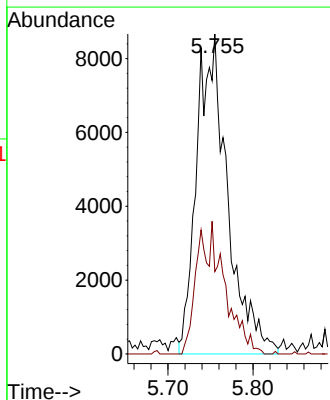
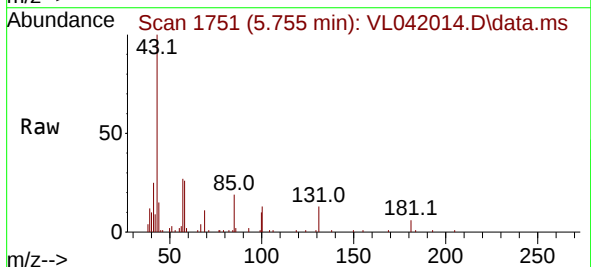
Manual Integrations
APPROVED

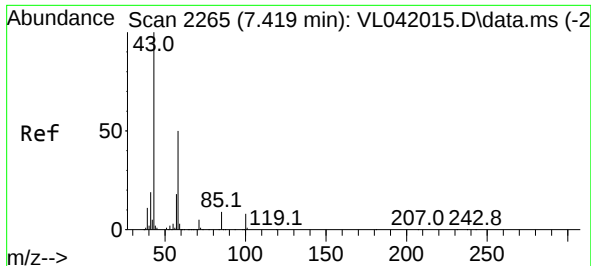
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#50
4-Methyl-2-Pentanone
Concen: 0.858 ppbv m
RT: 5.755 min Scan# 1751
Delta R.T. -0.022 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Tgt Ion: 43 Resp: 21804
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#





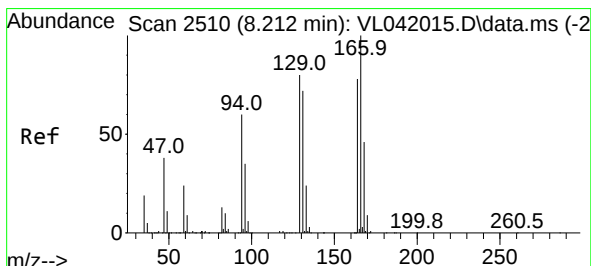
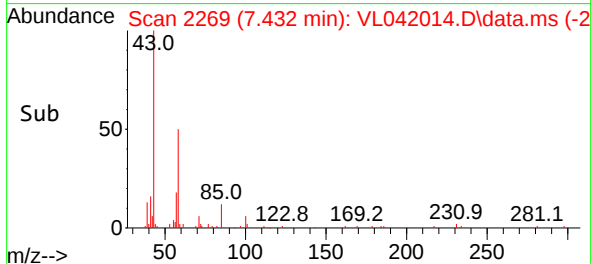
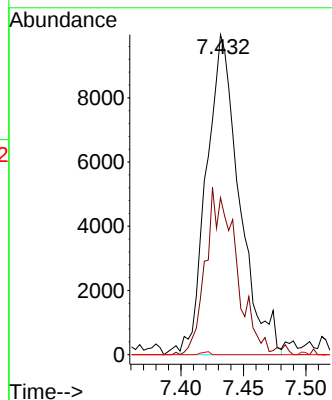
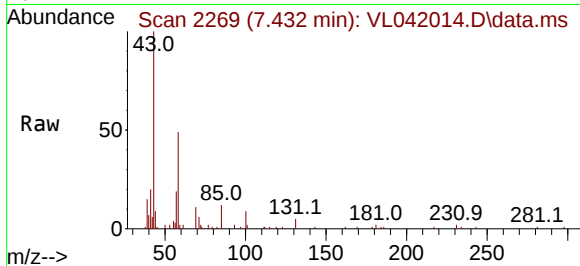
#51
2-Hexanone
Concen: 0.932 ppbv m
RT: 7.432 min Scan# 2100
Delta R.T. -0.022 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 1820
Ion Ratio Lower Upper
43 100
58 0.0 40.4 60.6
98 0.0 0.2 0.2

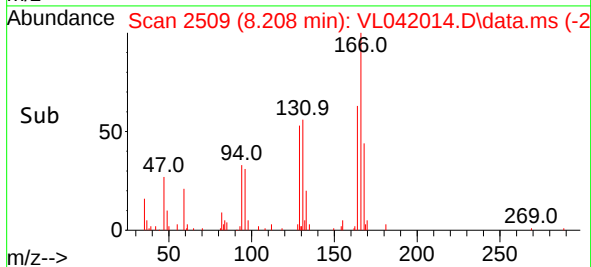
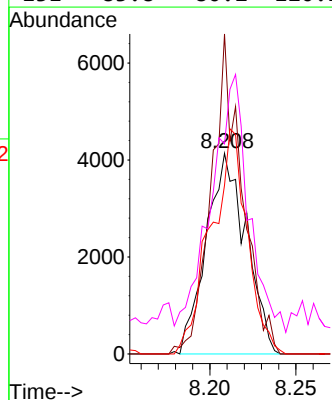
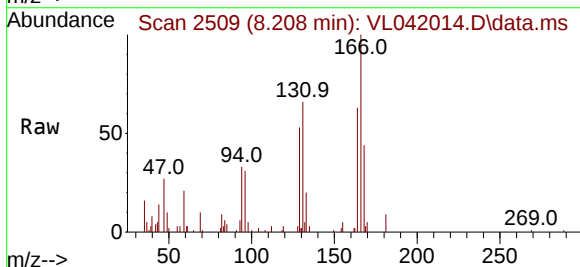
Manual Integrations
APPROVED

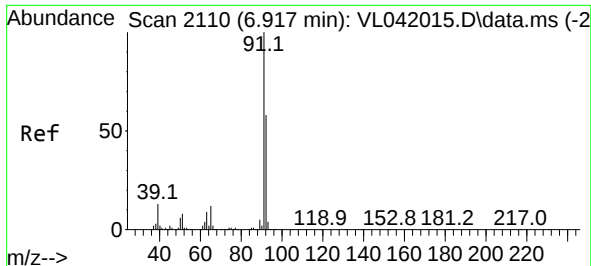
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#52
Tetrachloroethene
Concen: 0.718 ppbv
RT: 8.208 min Scan# 2509
Delta R.T. -0.032 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

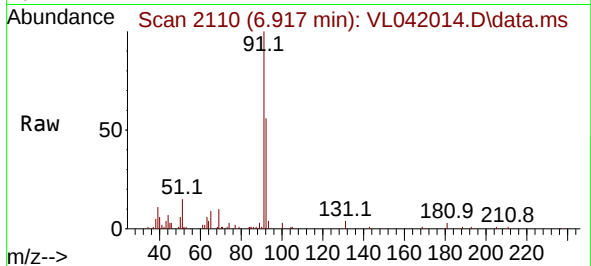
Tgt Ion:164 Resp: 6688
Ion Ratio Lower Upper
164 100
166 159.4 100.8 151.2#
129 82.2 82.0 123.0
131 83.8 80.2 120.2





#53
Toluene
Concen: 0.774 ppbv m
RT: 6.917 min Scan# 2110
Delta R.T. -0.035 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

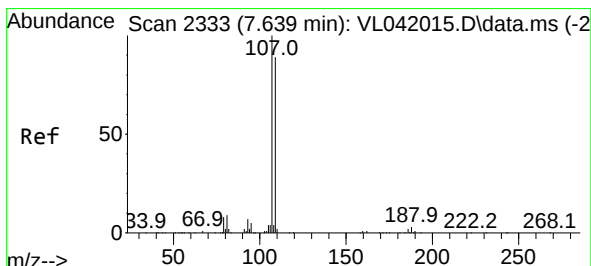
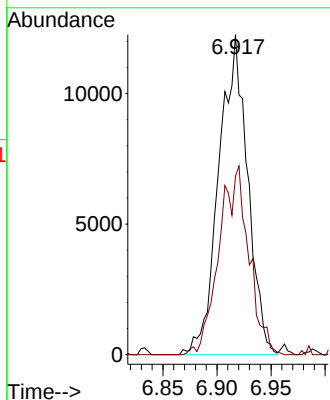
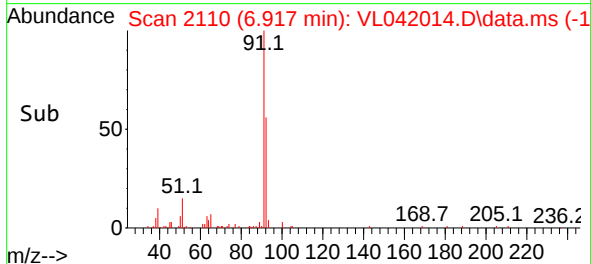
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



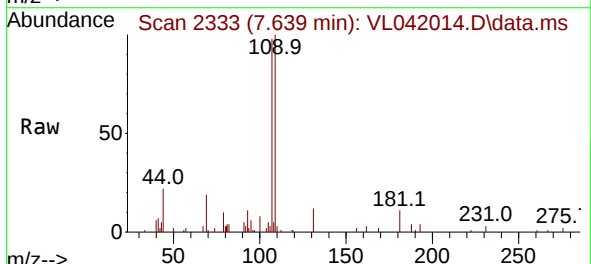
Tgt Ion: 91 Resp: 2265
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0

Manual Integrations
APPROVED

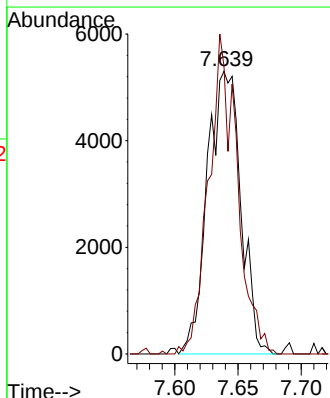
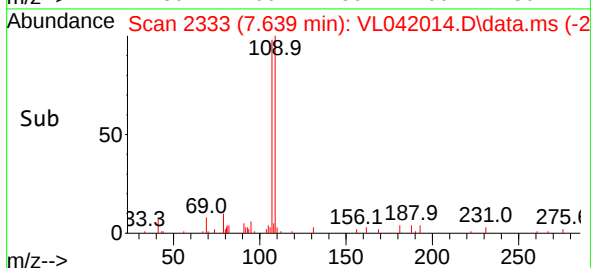
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

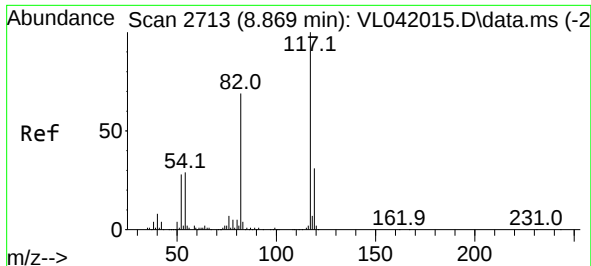


#54
1,2-Dibromoethane
Concen: 0.714 ppbv m
RT: 7.639 min Scan# 2333
Delta R.T. -0.029 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50



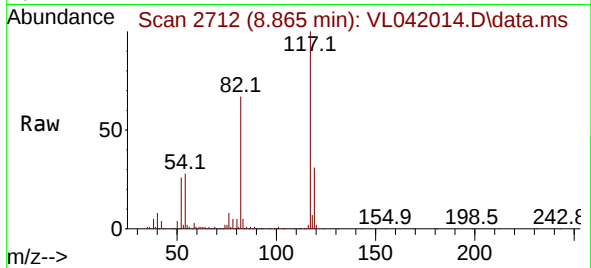
Tgt Ion:107 Resp: 9801
Ion Ratio Lower Upper
107 100
109 101.9 76.7 115.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.865 min Scan# 2713
Delta R.T. -0.029 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

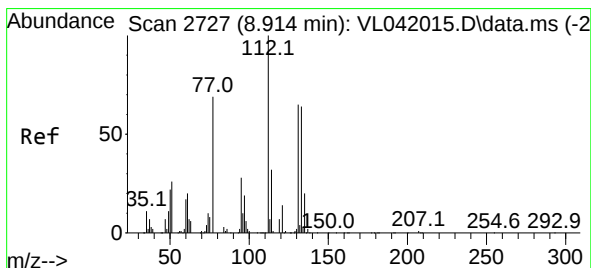
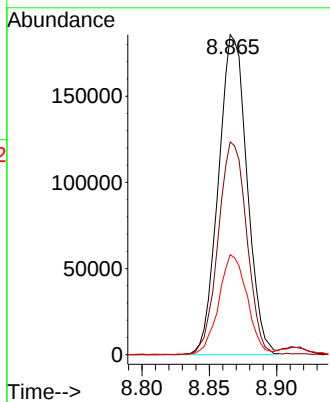
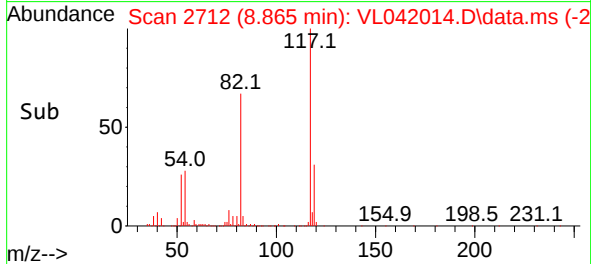
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:117 Resp: 274530
Ion Ratio Lower Upper
117 100
82 66.7 54.2 81.4
119 33.0 25.0 37.6

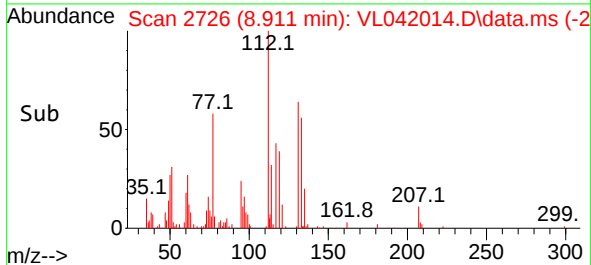
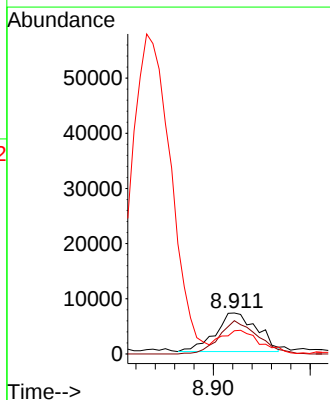
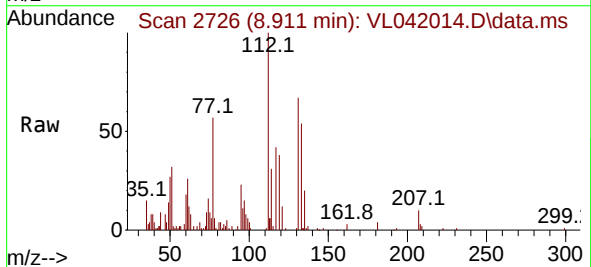
Manual Integrations
APPROVED

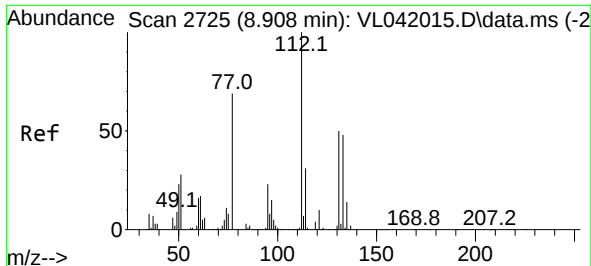
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.766 ppbv
RT: 8.911 min Scan# 2726
Delta R.T. -0.029 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Tgt Ion:131 Resp: 10495
Ion Ratio Lower Upper
131 100
133 79.4 76.0 114.0
119 0.0 49.7 74.5#





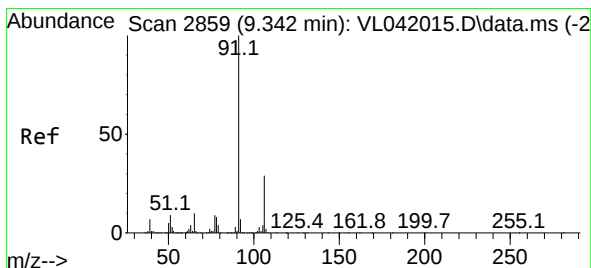
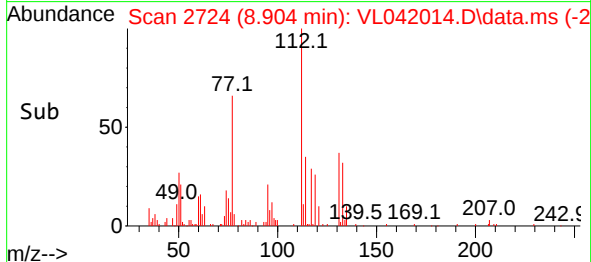
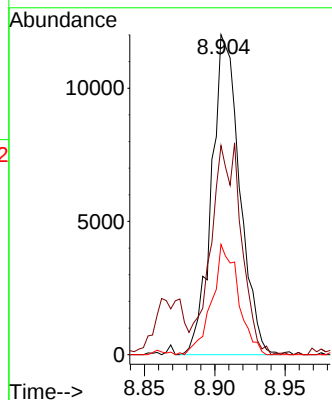
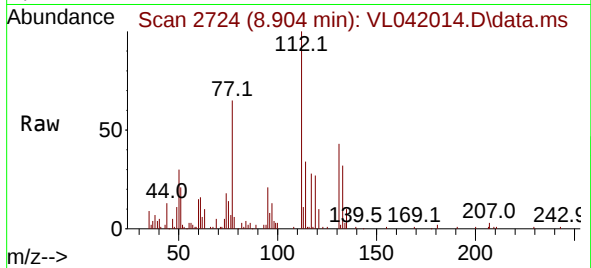
#57
Chlorobenzene
Concen: 0.660 ppbv
RT: 8.904 min Scan# 2725
Delta R.T. -0.032 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:112 Resp: 16715
Ion Ratio Lower Upper
112 100
77 64.9 54.6 82.0
114 34.5 28.2 34.4

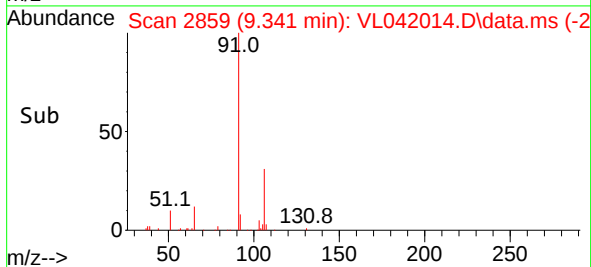
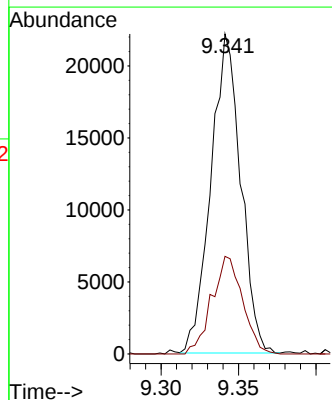
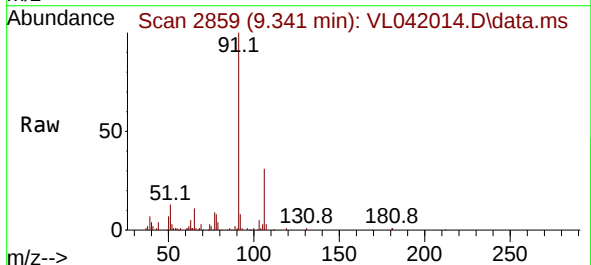
Manual Integrations
APPROVED

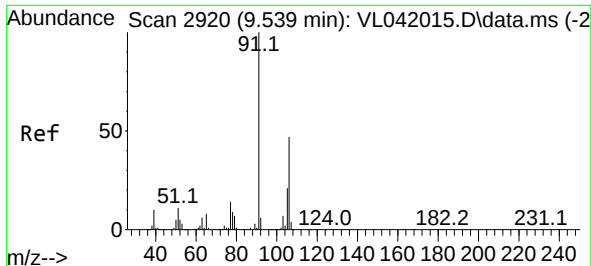
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#58
Ethyl Benzene
Concen: 0.692 ppbv
RT: 9.341 min Scan# 2859
Delta R.T. -0.026 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Tgt Ion: 91 Resp: 29697
Ion Ratio Lower Upper
91 100
106 30.6 23.1 34.7





#59

m/p-Xylene

Concen: 1.429 ppbv m

RT: 9.539 min Scan# 2920

Delta R.T. -0.026 min

Lab File: VL042014.D

Acq: 14 Feb 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 91 Resp: 49128

Ion Ratio Lower Upper

91 100

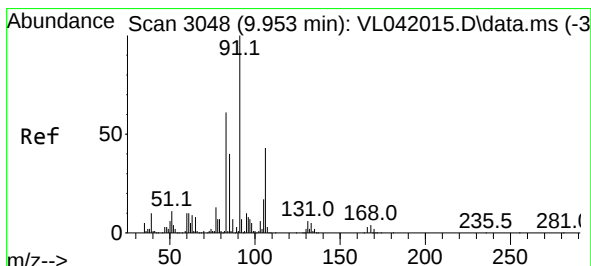
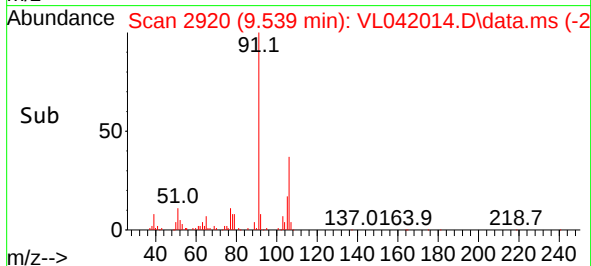
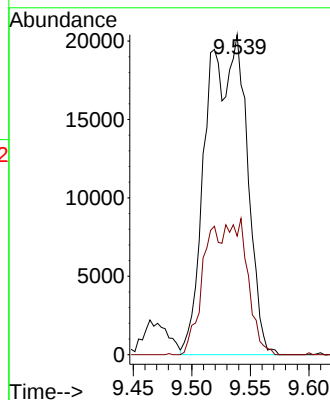
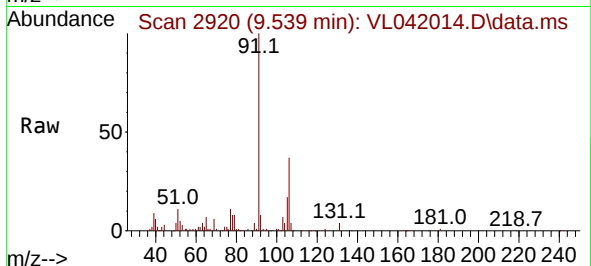
106 43.4 36.0 54.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#60

o-Xylene

Concen: 0.695 ppbv

RT: 9.950 min Scan# 3047

Delta R.T. -0.029 min

Lab File: VL042014.D

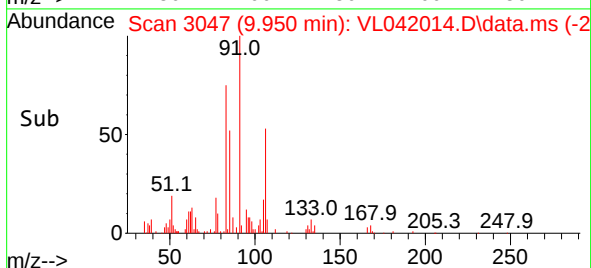
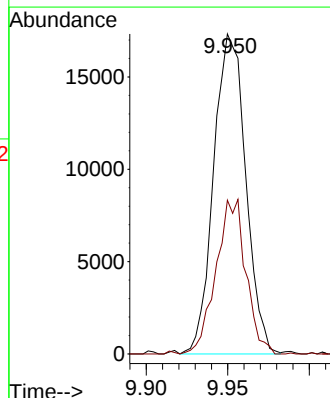
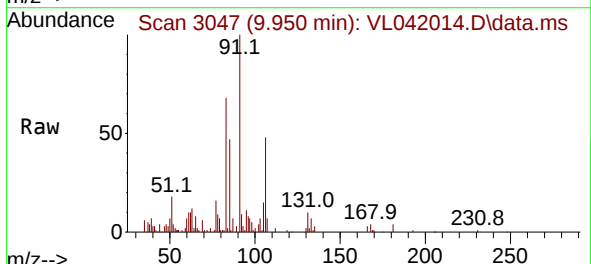
Acq: 14 Feb 2025 11:50

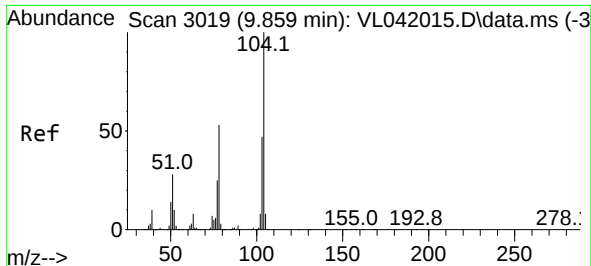
Tgt Ion: 91 Resp: 23714

Ion Ratio Lower Upper

91 100

106 45.3 21.3 63.9





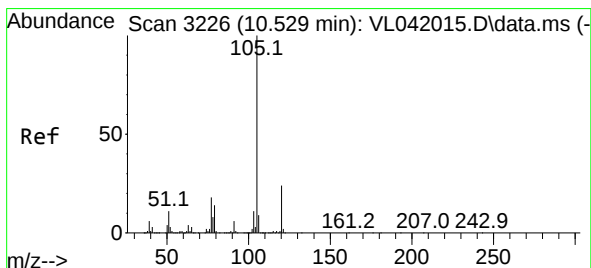
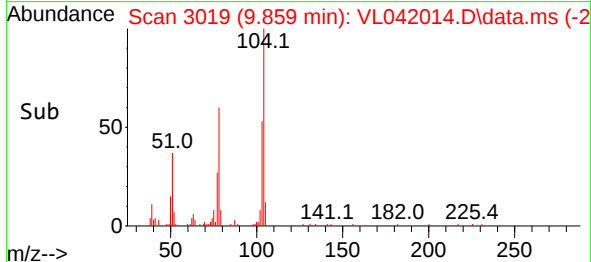
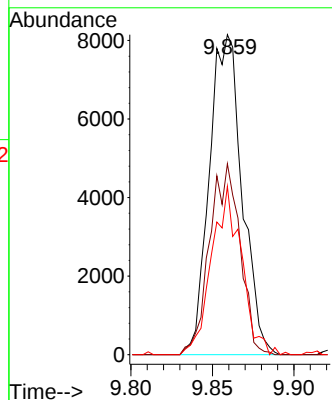
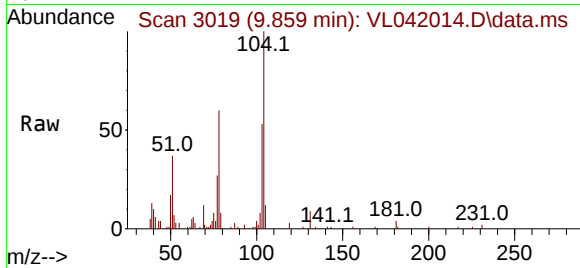
#61
Styrene
Concen: 0.744 ppbv
RT: 9.859 min Scan# 3019
Delta R.T. -0.026 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5

Tgt Ion:104 Resp: 11400
Ion Ratio Lower Upper
104 100
78 55.3 41.0 61.6
103 48.3 37.2 55.8

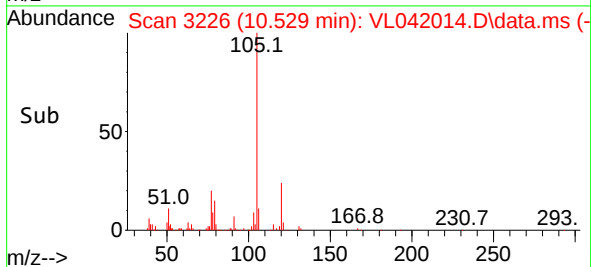
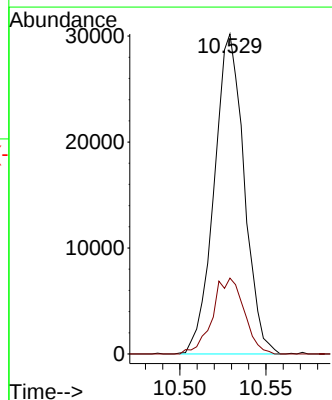
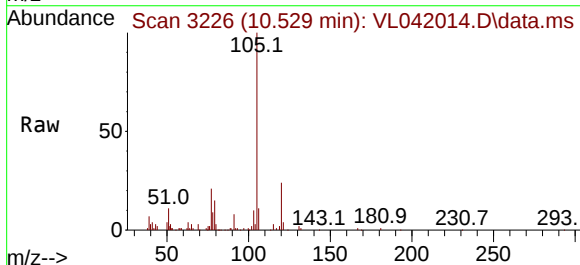
Manual Integrations
APPROVED

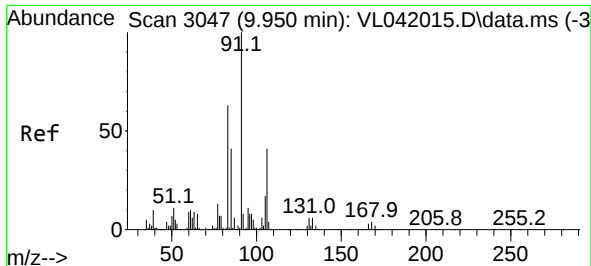
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#62
Isopropylbenzene
Concen: 0.692 ppbv
RT: 10.529 min Scan# 3226
Delta R.T. -0.022 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

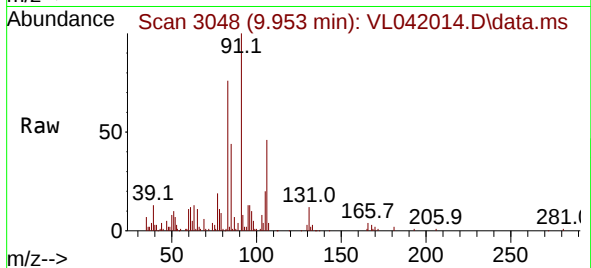
Tgt Ion:105 Resp: 36552
Ion Ratio Lower Upper
105 100
120 25.0 20.3 30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 0.690 ppbv
RT: 9.953 min Scan# 3047
Delta R.T. -0.023 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

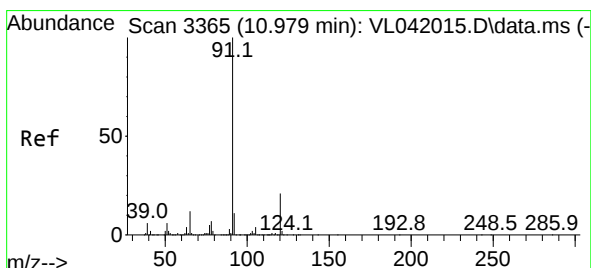
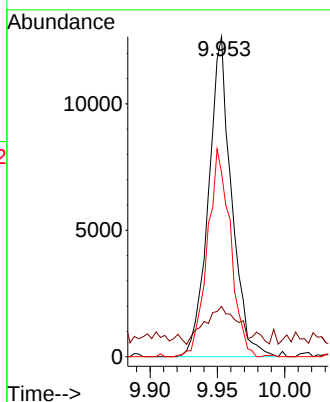
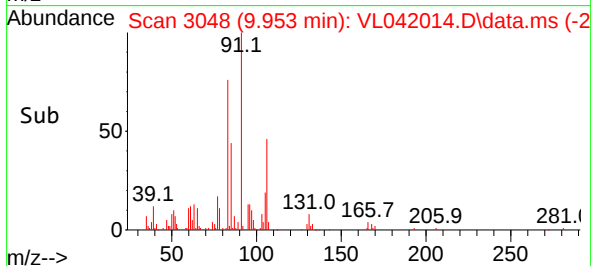
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



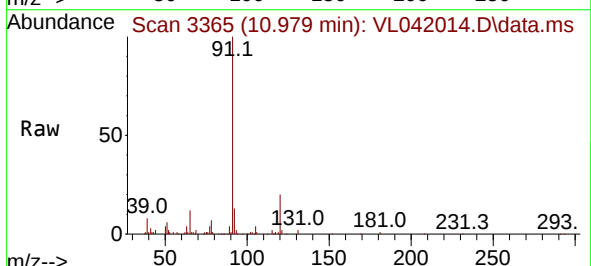
Tgt Ion: 83 Resp: 1504
Ion Ratio Lower Upper
83 100
131 20.2 4.8 14.4
85 65.2 32.4 97.2

Manual Integrations
APPROVED

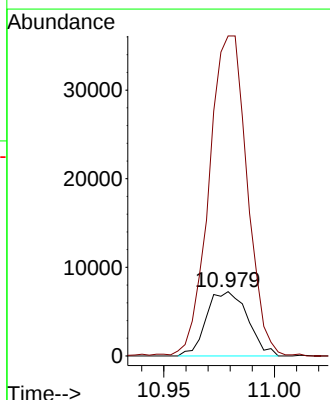
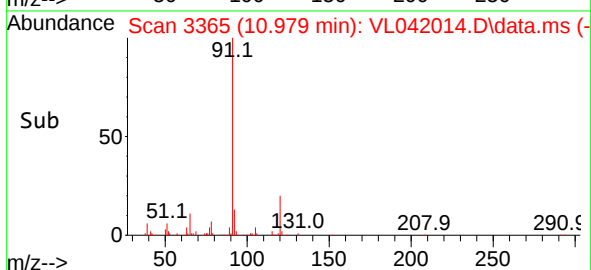
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

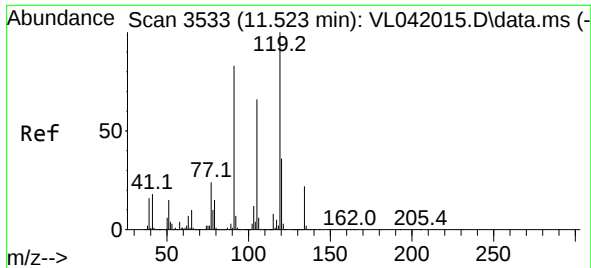


#64
n-propylbenzene
Concen: 0.702 ppbv
RT: 10.979 min Scan# 3365
Delta R.T. -0.023 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50



Tgt Ion:120 Resp: 9365
Ion Ratio Lower Upper
120 100
91 463.0 374.1 561.1





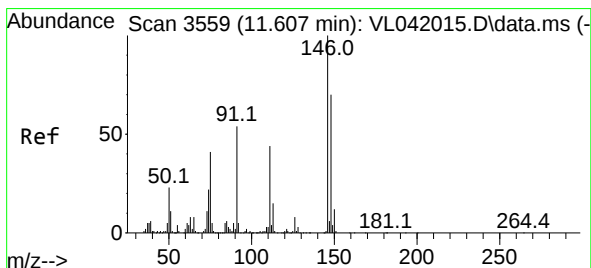
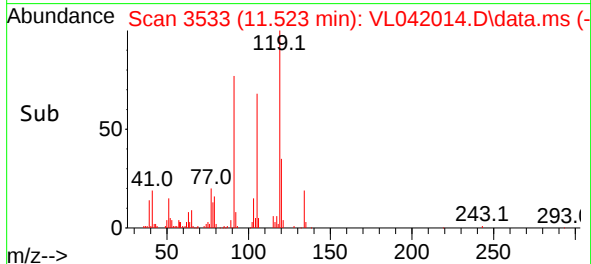
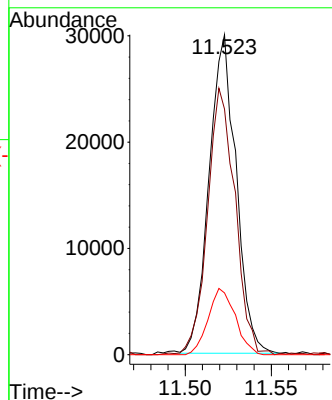
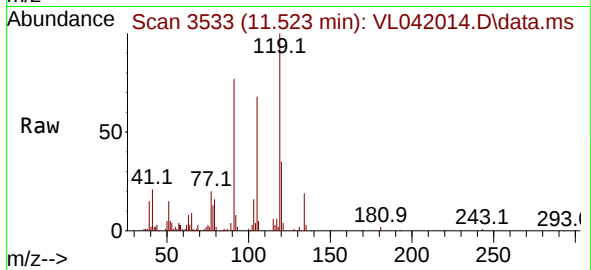
#65
tert-Butylbenzene
Concen: 0.679 ppbv
RT: 11.523 min Scan# 3533
Delta R.T. -0.019 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 119 Resp: 3268
Ion Ratio Lower Upper
119 100
91 85.6 64.6 97.0
134 20.9 16.8 25.2

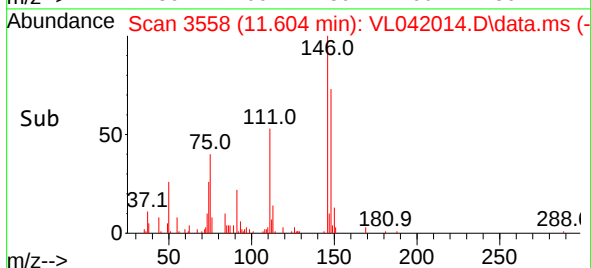
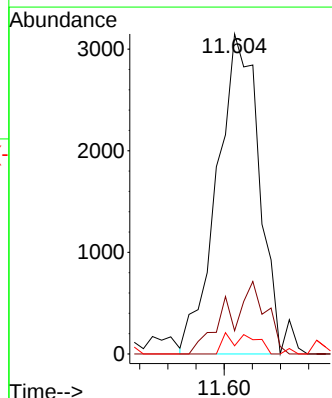
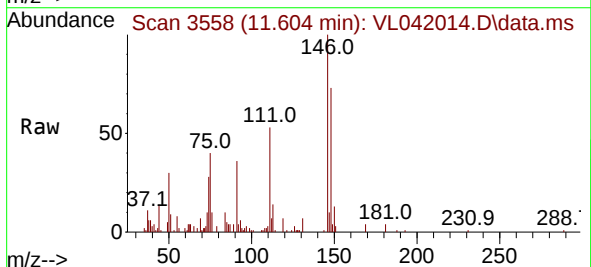
Manual Integrations
APPROVED

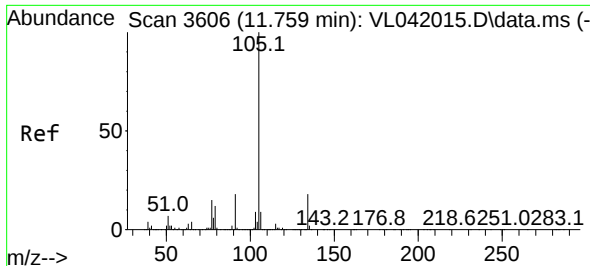
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#66
Benzyl Chloride
Concen: 1.085 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.023 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

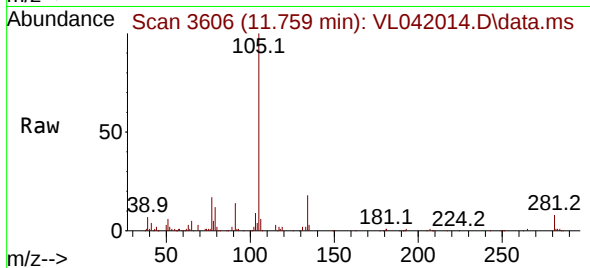
Tgt Ion: 91 Resp: 3233
Ion Ratio Lower Upper
91 100
126 20.9 14.1 21.1
128 6.1 4.3 6.5





#67
 sec-Butylbenzene
 Concen: 0.673 ppbv
 RT: 11.759 min Scan# 3606
 Delta R.T. -0.019 min
 Lab File: VL042014.D
 Acq: 14 Feb 2025 11:50

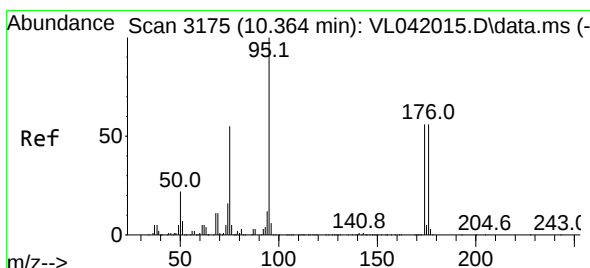
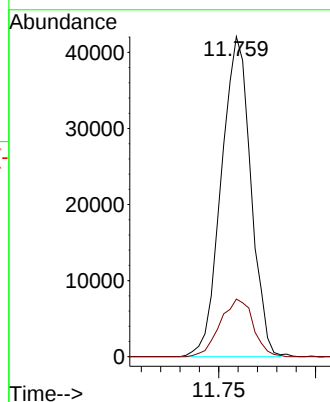
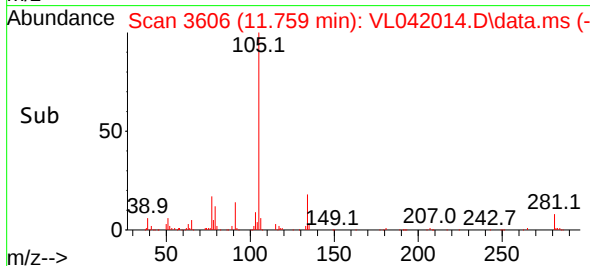
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



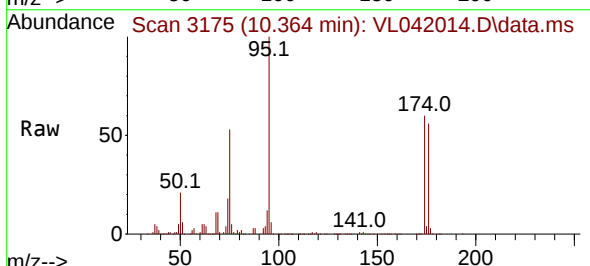
Tgt Ion: 105 Resp: 44600
 Ion Ratio Lower Upper
 105 100
 134 20.1 15.1 22.7

Manual Integrations
 APPROVED

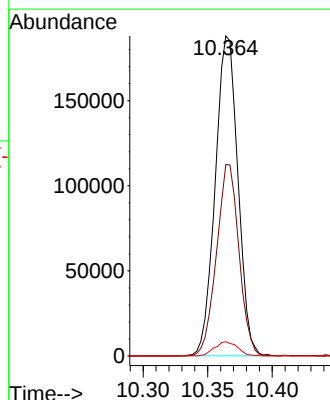
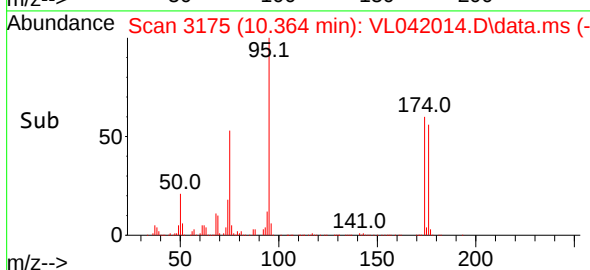
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

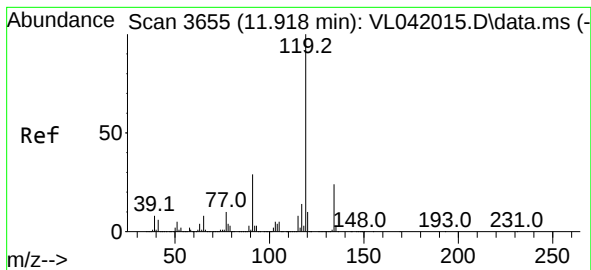


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.611 ppbv
 RT: 10.364 min Scan# 3175
 Delta R.T. -0.026 min
 Lab File: VL042014.D
 Acq: 14 Feb 2025 11:50



Tgt Ion: 95 Resp: 229446
 Ion Ratio Lower Upper
 95 100
 174 59.4 49.0 73.4
 175 4.5 3.8 5.8





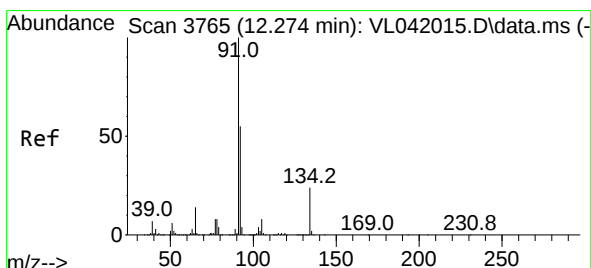
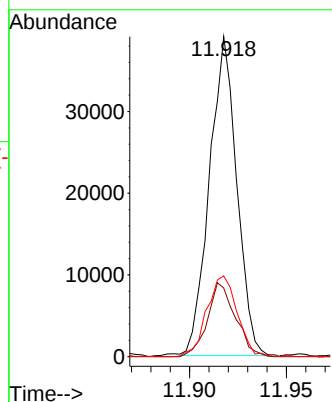
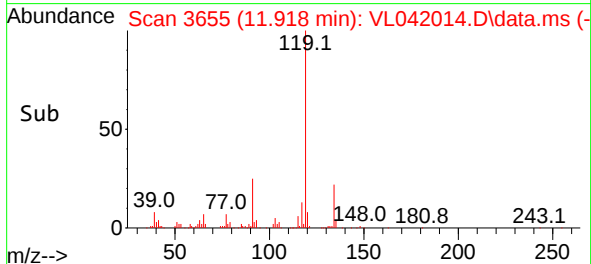
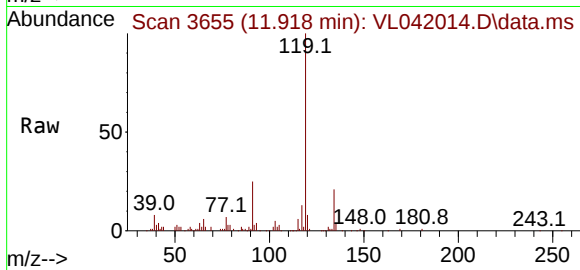
#69
p-Isopropyltoluene
Concen: 0.703 ppbv
RT: 11.918 min Scan# 3655
Delta R.T. -0.019 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:	119	Resp:	3836
Ion Ratio	Lower	Upper	
119	100		
134	23.6	19.8	29.6
91	28.4	23.0	34.4

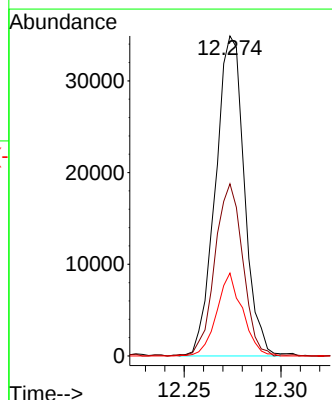
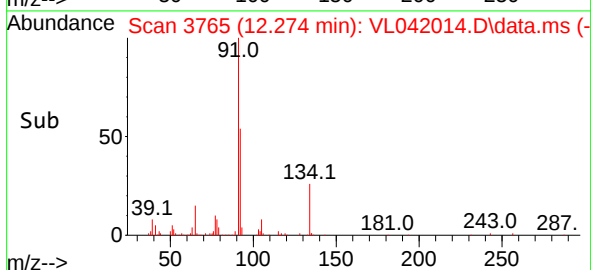
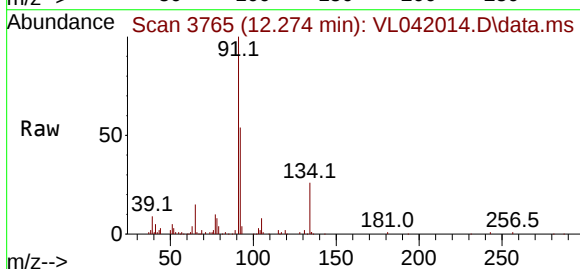
Manual Integrations
APPROVED

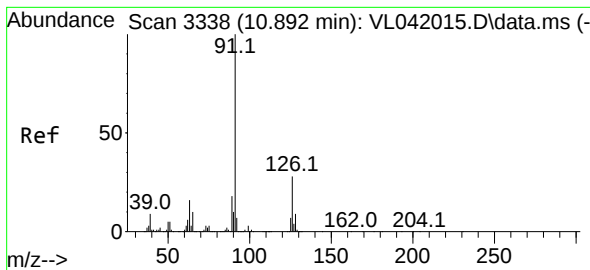
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#70
n-Butylbenzene
Concen: 0.668 ppbv
RT: 12.274 min Scan# 3765
Delta R.T. -0.019 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Tgt Ion:	91	Resp:	36156
Ion Ratio	Lower	Upper	
91	100		
92	52.4	43.8	65.6
134	23.2	19.0	28.6





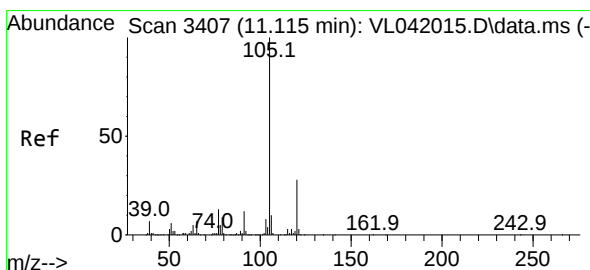
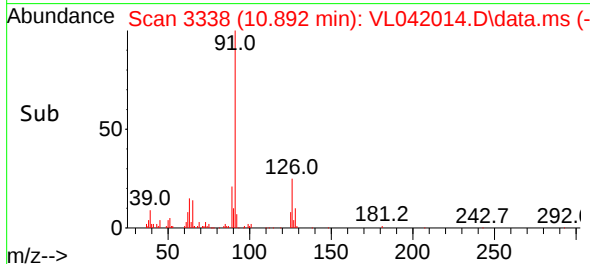
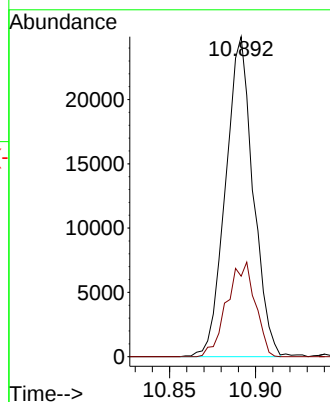
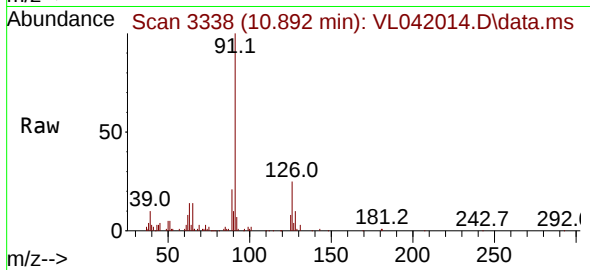
#71
2-Chlorotoluene
Concen: 0.710 ppbv
RT: 10.892 min Scan# 3338
Delta R.T. -0.023 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5

Tgt Ion: 91 Resp: 2775
Ion Ratio Lower Upper
91 100
126 30.2 11.7 46.7

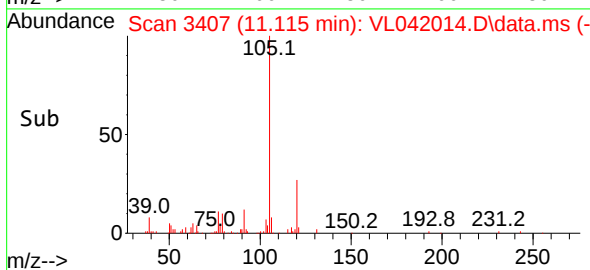
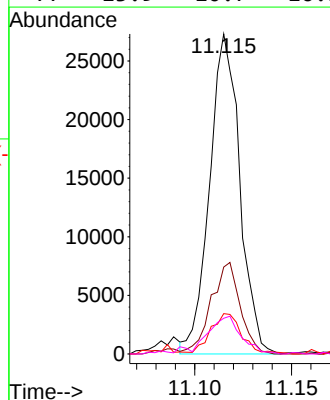
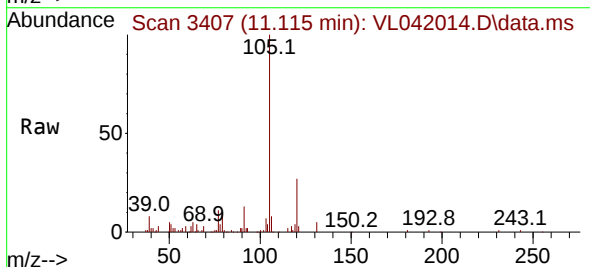
Manual Integrations
APPROVED

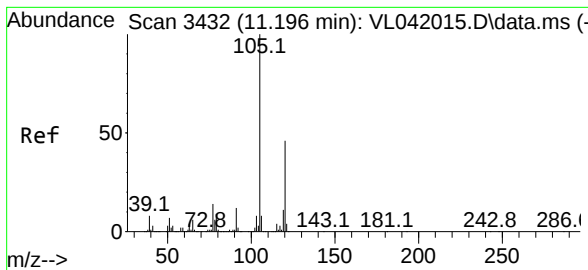
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#72
4-Ethyltoluene
Concen: 0.724 ppbv
RT: 11.115 min Scan# 3407
Delta R.T. -0.022 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Tgt Ion:105 Resp: 29575
Ion Ratio Lower Upper
105 100
120 28.7 23.7 35.5
91 14.9 10.2 15.2
77 13.9 10.7 16.1





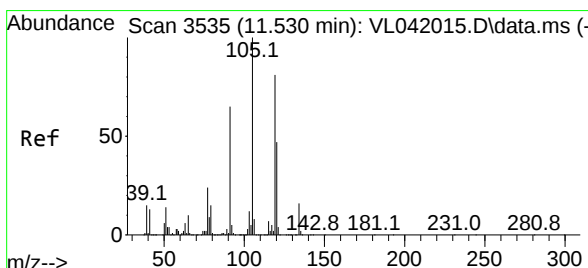
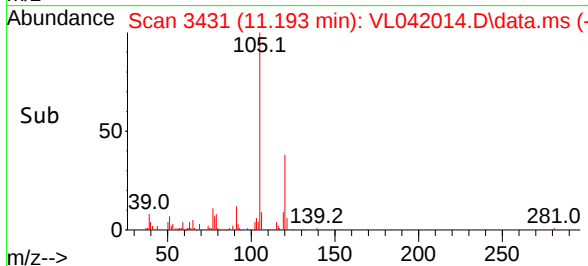
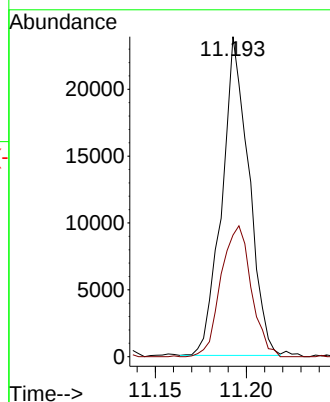
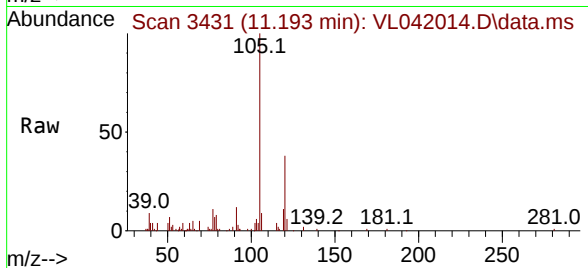
#73
1,3,5-Trimethylbenzene
Concen: 0.680 ppbv
RT: 11.193 min Scan# 3432
Delta R.T. -0.023 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:105 Resp: 2450
Ion Ratio Lower Upper
105 100
120 38.2 35.4 53.2

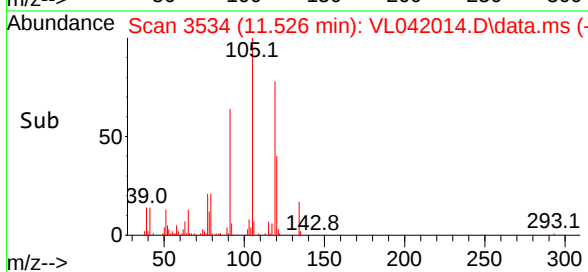
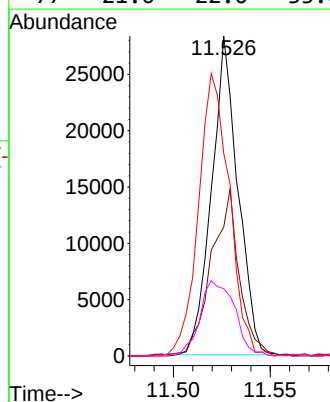
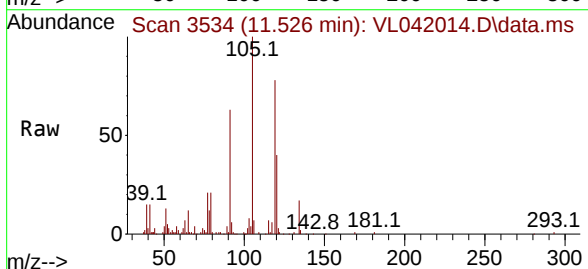
Manual Integrations
APPROVED

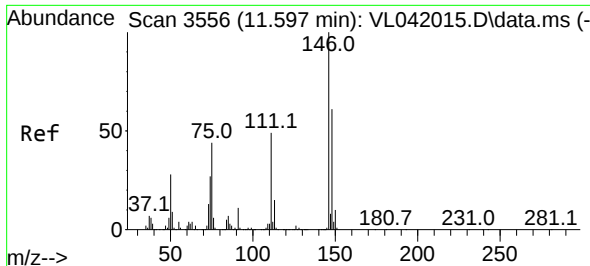
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.683 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.023 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Tgt Ion:105 Resp: 26661
Ion Ratio Lower Upper
105 100
120 40.2 41.4 62.2#
91 63.1 60.2 90.2
77 21.0 22.0 33.0#





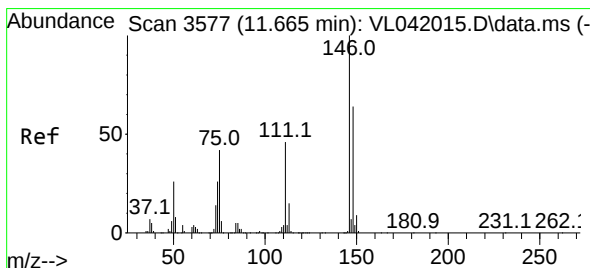
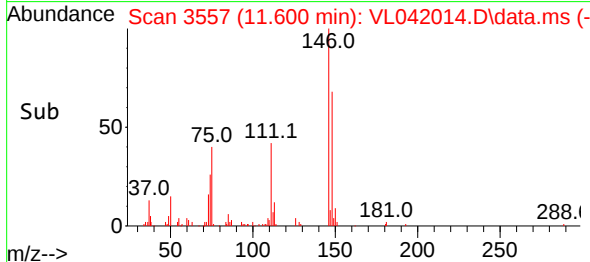
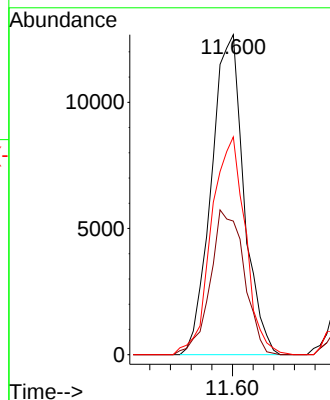
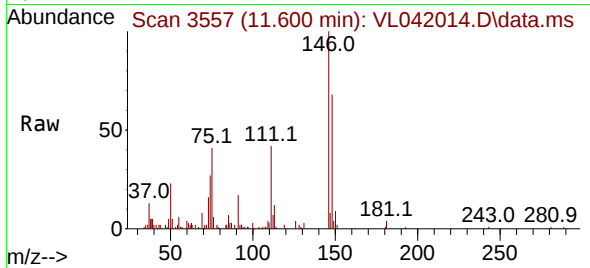
#75
1,3-Dichlorobenzene
Concen: 0.599 ppbv
RT: 11.600 min Scan# 3556
Delta R.T. -0.019 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:146 Resp: 13869
Ion Ratio Lower Upper
146 100
111 47.0 23.6 70.8
148 70.9 31.4 94.0

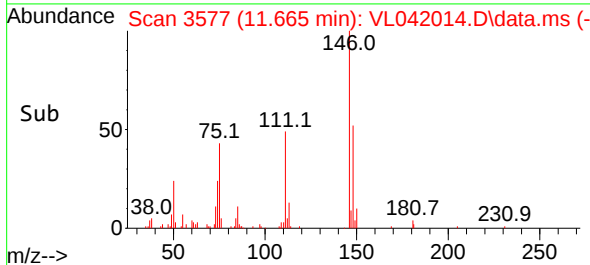
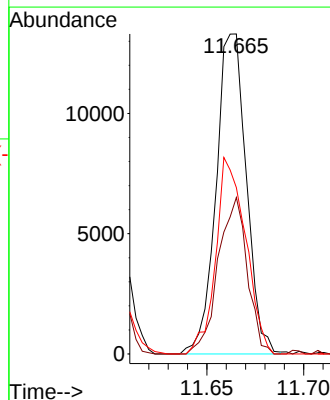
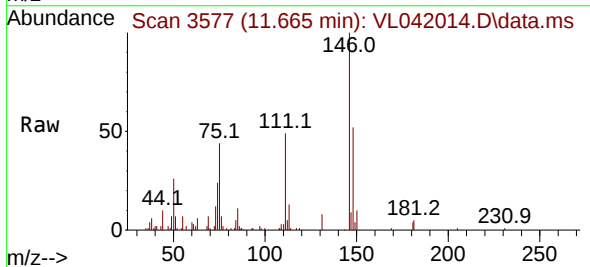
Manual Integrations
APPROVED

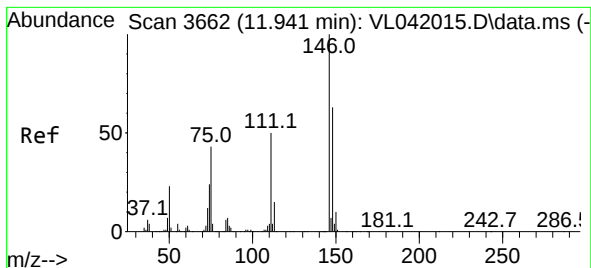
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#76
1,4-Dichlorobenzene
Concen: 0.639 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.019 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

Tgt Ion:146 Resp: 14476
Ion Ratio Lower Upper
146 100
111 47.2 22.4 67.0
148 60.5 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 0.598 ppbv

RT: 11.940 min Scan# 30

Delta R.T. -0.019 min

Lab File: VL042014.D

Acq: 14 Feb 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

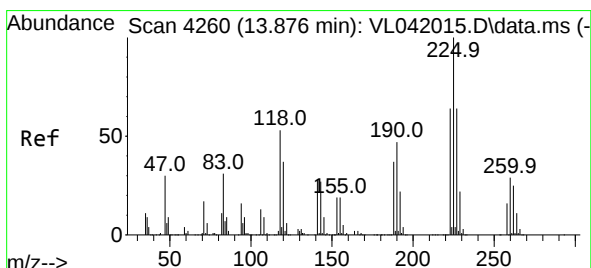
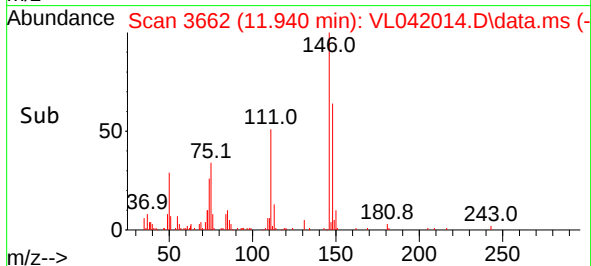
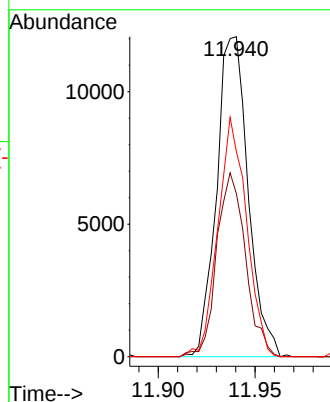
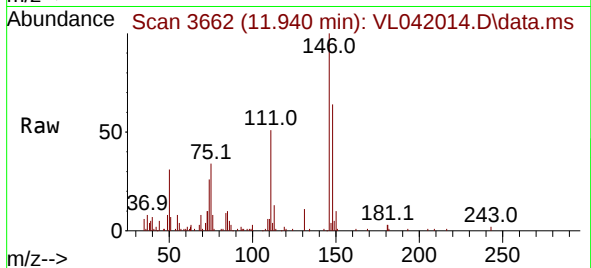
VSTDIC0.5

Tgt Ion:	146	Resp:	13710
Ion Ratio	Lower	Upper	
146	100		
111	52.3	24.2	72.6
148	67.8	31.7	95.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#78

Hexachloro-1,3-Butadiene

Concen: 0.667 ppbv

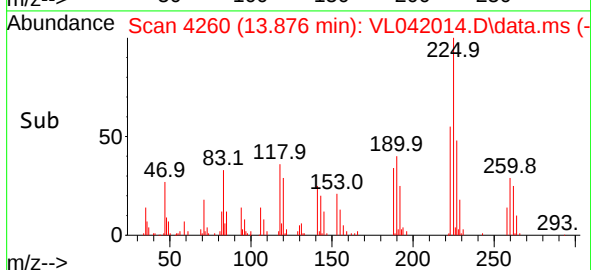
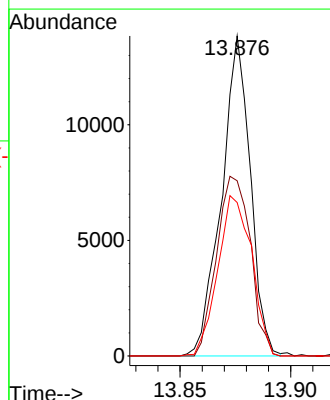
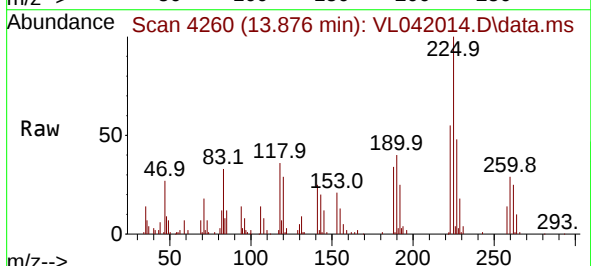
RT: 13.876 min Scan# 4260

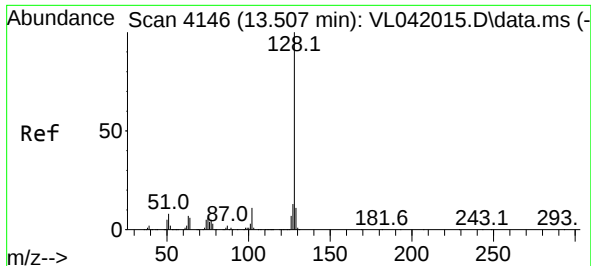
Delta R.T. -0.019 min

Lab File: VL042014.D

Acq: 14 Feb 2025 11:50

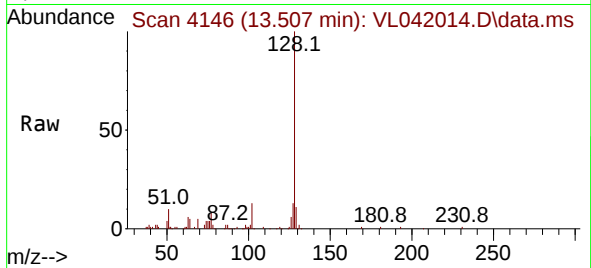
Tgt Ion:	225	Resp:	12558
Ion Ratio	Lower	Upper	
225	100		
223	65.6	50.8	76.2
227	58.7	50.3	75.5





#79
Naphthalene
Concen: 0.708 ppbv
RT: 13.507 min Scan# 4146
Delta R.T. -0.019 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50

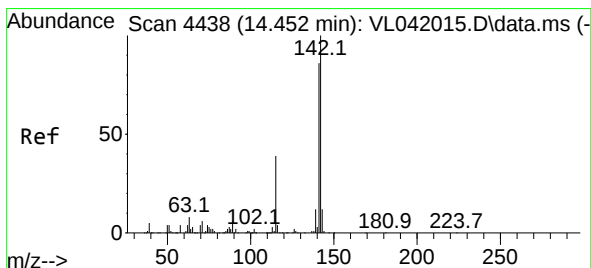
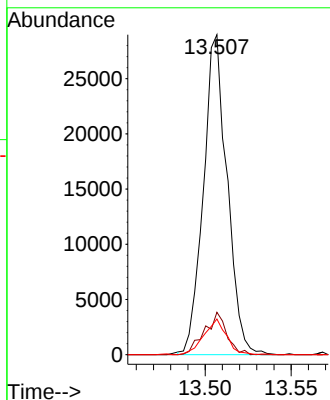
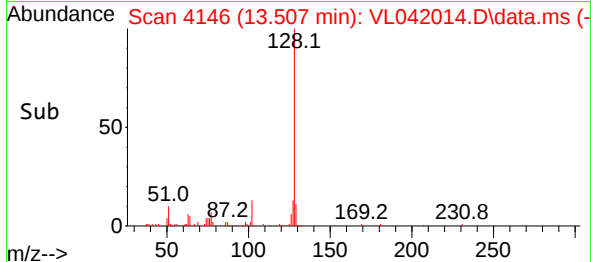
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



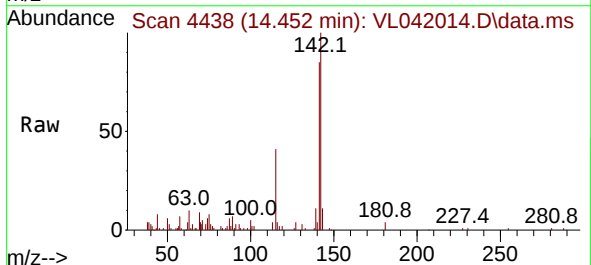
Tgt Ion:128 Resp: 2784
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 11.1 9.1 13.7

Manual Integrations
APPROVED

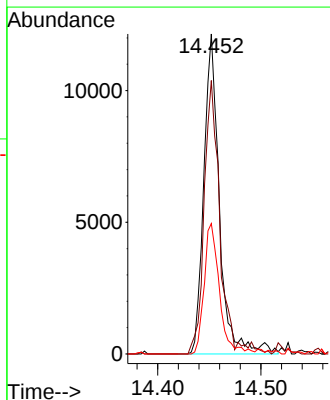
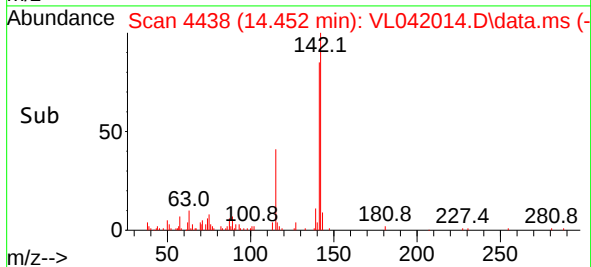
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

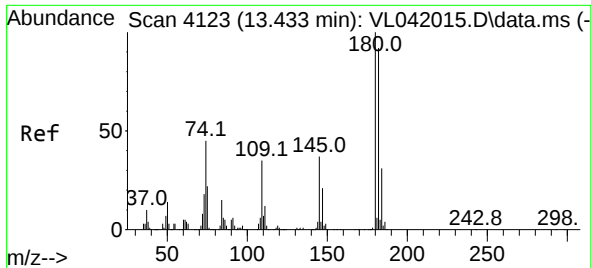


#80
Naphthalene,2-methyl-
Concen: 0.684 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. -0.019 min
Lab File: VL042014.D
Acq: 14 Feb 2025 11:50



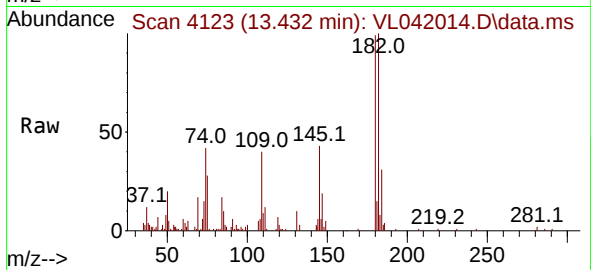
Tgt Ion:142 Resp: 12746
Ion Ratio Lower Upper
142 100
141 86.1 68.1 102.1
115 41.2 31.7 47.5





#81
 1,2,4-Trichlorobenzene
 Concen: 0.537 ppbv
 RT: 13.432 min Scan# 41
 Delta R.T. -0.019 min
 Lab File: VL042014.D
 Acq: 14 Feb 2025 11:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.0	77.0	115.6
184	33.4	24.9	37.3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

