

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041861.D
 Acq On : 09 Jan 2025 12:22
 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 :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 13:30:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

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

QLast Update : Wed Jan 08 03:26:12 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.803	49	143443	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	434494	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	394905	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 317281 9.381 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 93.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	25040	1.064	ppbv	98
3) Chlorodifluoromethane	1.483	51	26900	1.196	ppbv	99
4) Chloromethane	1.541	50	9681	1.000	ppbv	90
5) Vinyl Chloride	1.586	62	9371	0.960	ppbv	97
6) Bromomethane	1.674	94	4513	1.079	ppbv	97
7) Chloroethane	1.712	64	4049	1.077	ppbv	97
8) Dichlorotetrafluoroethane	1.560	85	20696	1.019	ppbv	93
9) Propene	1.489	41	13149	1.680	ppbv	93
10) Heptane	5.011	43	33313	1.722	ppbv	99
11) Trichlorofluoromethane	1.887	101	24866	1.039	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.153	101	20153	1.131	ppbv	91
13) Ethanol	1.729	45	857m	0.962	ppbv	
14) Bromoethene	1.790	108	6917	1.185	ppbv #	85
15) Acetone	1.845	43	28258	1.070	ppbv #	86
16) 1,3-Butadiene	1.615	39	10650	1.028	ppbv	95
17) tert-Butyl alcohol	2.052	59	29021	1.268	ppbv #	92
18) 1,1-Dichloroethene	2.046	96	9481	1.270	ppbv	80
19) Isopropyl Alcohol	1.897	45	13968	1.127	ppbv #	97
20) Methylene Chloride	2.072	84	9326	1.235	ppbv	89
21) Allyl Chloride	2.107	41	16109	1.184	ppbv	98
22) trans-1,2-Dichloroethene	2.353	96	11020m	1.321	ppbv	
23) Vinyl Acetate	2.473	43	11666	1.377	ppbv #	95
24) 1,1-Dichloroethane	2.421	63	20750	1.137	ppbv #	94
25) Ethyl Acetate	2.855	43	62927	1.421	ppbv #	96
26) Hexane	2.842	57	25792	1.678	ppbv	89
27) Carbon Disulfide	2.162	76	24132	1.654	ppbv #	53
28) Methyl tert-Butyl Ether	2.457	73	19330	1.669	ppbv	99
29) Chloroform	2.865	83	36445	1.276	ppbv	100
30) Cyclohexane	3.881	84	21797	1.869	ppbv	92
31) cis-1,2-Dichloroethene	2.735	61	25721	1.626	ppbv	98
32) 1,1,1-Trichloroethane	3.389	97	34347	1.327	ppbv	95
34) 2-Butanone	2.573	43	37395	1.093	ppbv	96
35) Carbon Tetrachloride	3.784	117	33087	1.008	ppbv	94
36) Benzene	3.677	78	52621	1.268	ppbv #	91
37) 1,2-Dichloroethane	3.237	62	26348	0.966	ppbv #	93
38) Trichloroethene	4.577	130	20492	1.259	ppbv	97
39) 1,2-Dichloropropane	4.341	63	18342	1.142	ppbv #	78
40) 1,4-Dioxane	4.622	88	9193m	1.478	ppbv	
41) Tetrahydrofuran	3.082	42	21802	1.351	ppbv	89
42) Bromodichloromethane	4.515	83	37075	1.159	ppbv #	90
43) Methyl Methacrylate	4.913	69	20990	1.610	ppbv	93
44) 2,2,4-Trimethylpentane	4.671	57	89035	1.302	ppbv	92
45) t-1,3-Dichloropropene	6.448	75	21319m	1.675	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041861.D
 Acq On : 09 Jan 2025 12:22
 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 :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 13:30:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

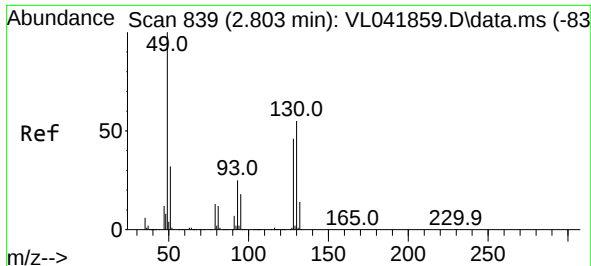
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed Jan 08 03:26:12 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	27792m	1.660	ppbv	
47) 1,1,2-Trichloroethane	6.619	97	19621	1.155	ppbv	97
48) Dibromochloromethane	7.412	129	27553m	1.275	ppbv	
49) Bromoform	9.503	173	24569	1.418	ppbv	99
50) 4-Methyl-2-Pentanone	5.800	43	53757m	1.359	ppbv	
51) 2-Hexanone	7.470	43	43139m	1.440	ppbv	
52) Tetrachloroethene	8.250	164	18665	1.516	ppbv	91
53) Toluene	6.962	91	62304	1.685	ppbv	99
54) 1,2-Dibromoethane	7.678	107	26769	1.287	ppbv	89
56) 1,1,1,2-Tetrachloroethane	8.946	131	24293	1.079	ppbv #	91
57) Chlorobenzene	8.946	112	47288	1.146	ppbv	92
58) Ethyl Benzene	9.377	91	84795	1.575	ppbv	99
59) m/p-Xylene	9.552	91	135481m	2.852	ppbv	
60) o-Xylene	9.982	91	67480	1.460	ppbv	100
61) Styrene	9.891	104	32180	1.795	ppbv	99
62) Isopropylbenzene	10.558	105	101824	1.402	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.985	83	39140	0.966	ppbv	96
64) n-propylbenzene	11.008	120	26642	1.430	ppbv	99
65) tert-Butylbenzene	11.549	119	95303	1.457	ppbv	95
66) Benzyl Chloride	11.633	91	9179	1.679	ppbv #	91
67) sec-Butylbenzene	11.785	105	130334	1.365	ppbv	98
69) p-Isopropyltoluene	11.943	119	112256	1.498	ppbv	98
70) n-Butylbenzene	12.299	91	111884	1.486	ppbv	99
71) 2-Chlorotoluene	10.917	91	79598	1.510	ppbv	99
72) 4-Ethyltoluene	11.141	105	84096	1.505	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	71812	1.467	ppbv	98
74) 1,2,4-Trimethylbenzene	11.552	105	79018	1.394	ppbv #	92
75) 1,3-Dichlorobenzene	11.623	146	46462	1.224	ppbv	99
76) 1,4-Dichlorobenzene	11.688	146	45316	1.241	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	44103	1.115	ppbv	98
78) Hexachloro-1,3-Butadiene	13.898	225	40100	1.428	ppbv	98
79) Naphthalene	13.529	128	86398	2.069	ppbv	99
80) Naphthalene,2-methyl-	14.474	142	49807	3.222	ppbv	96
81) 1,2,4-Trichlorobenzene	13.455	180	42679	1.844	ppbv	99

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



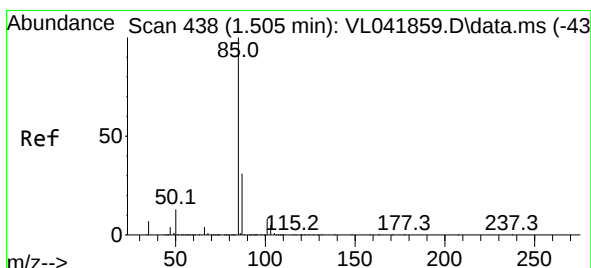
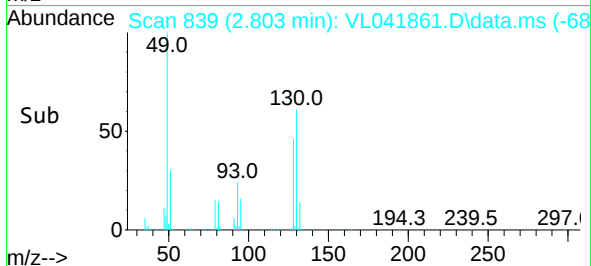
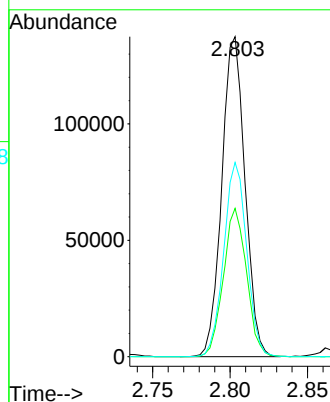
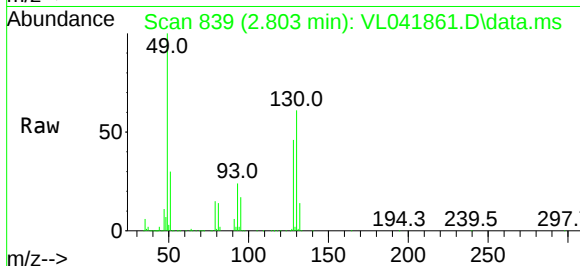
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 839
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 49 Resp: 14344
Ion Ratio Lower Upper
49 100
128 46.3 19.7 59.1
130 60.1 26.4 79.2

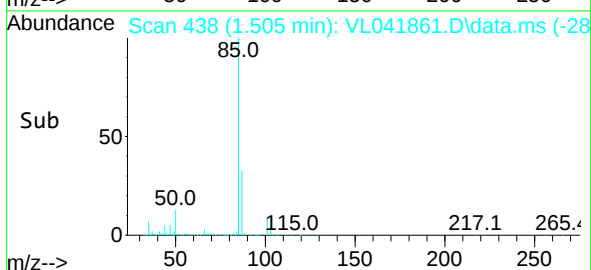
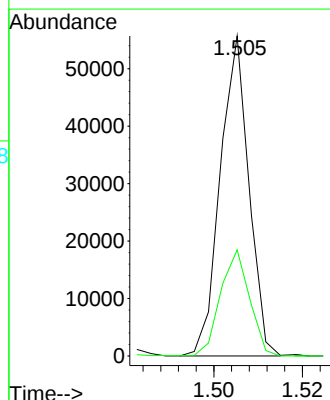
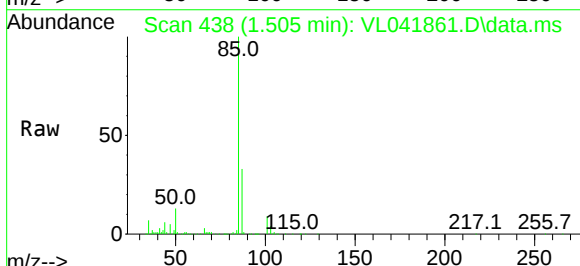
Manual Integrations
APPROVED

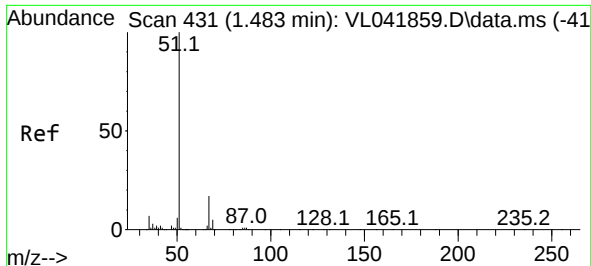
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#2
Dichlorodifluoromethane
Concen: 1.064 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

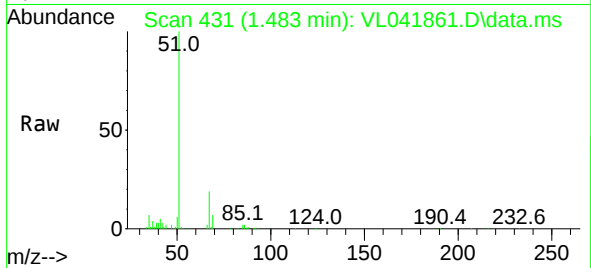
Tgt Ion: 85 Resp: 25040
Ion Ratio Lower Upper
85 100
87 33.2 25.6 38.4





#3
Chlorodifluoromethane
Concen: 1.196 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

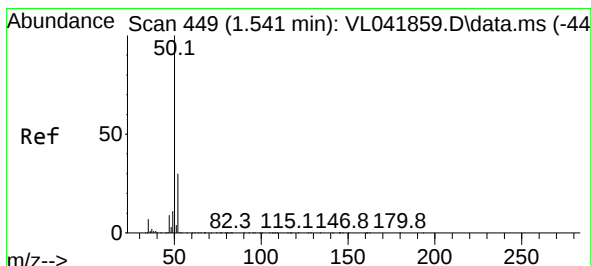
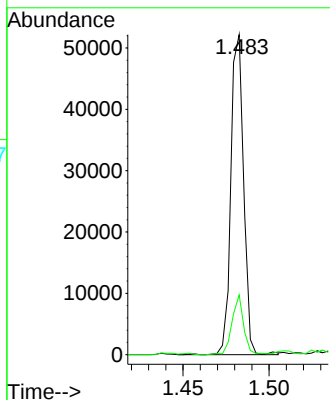
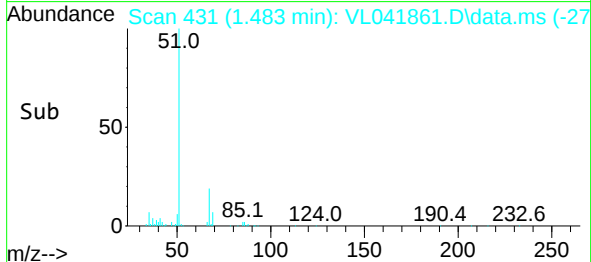
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



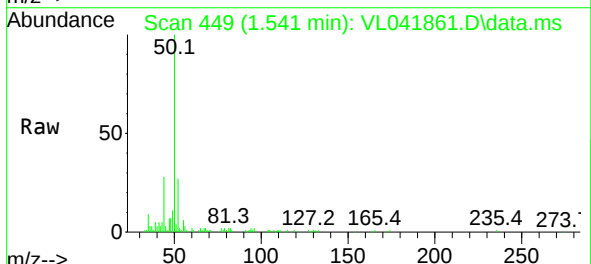
Tgt Ion: 51 Resp: 26900
Ion Ratio Lower Upper
51 100
67 17.9 14.6 22.0

Manual Integrations
APPROVED

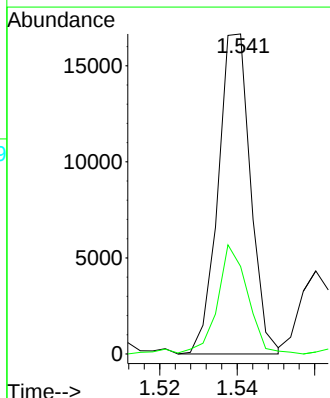
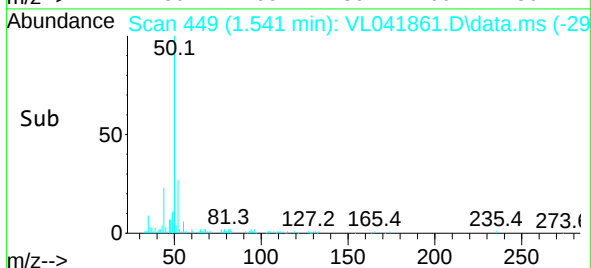
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

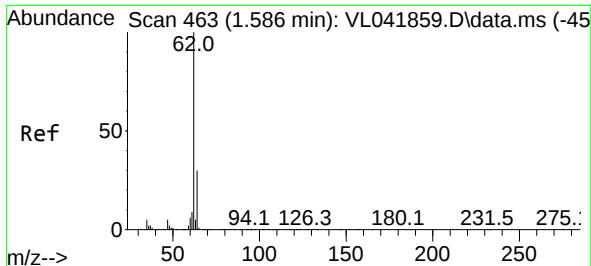


#4
Chloromethane
Concen: 1.000 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



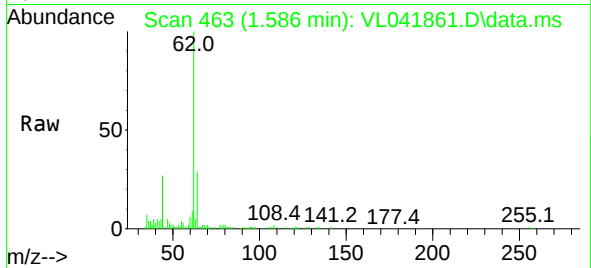
Tgt Ion: 50 Resp: 9681
Ion Ratio Lower Upper
50 100
52 27.1 26.1 39.1





#5
 Vinyl Chloride
 Concen: 0.960 ppbv
 RT: 1.586 min Scan# 40
 Delta R.T. -0.000 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

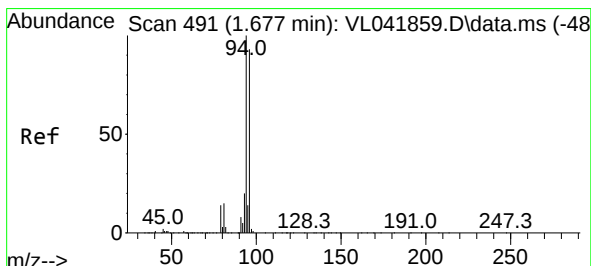
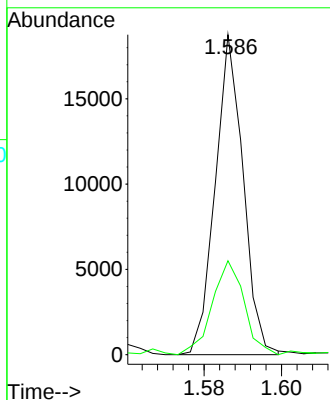
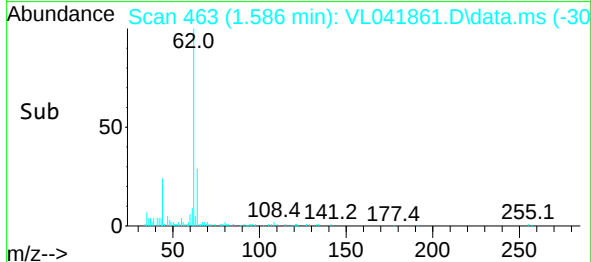
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



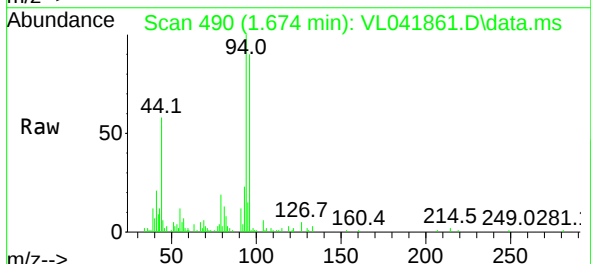
Tgt Ion: 62 Resp: 937
 Ion Ratio Lower Upper
 62 100
 64 29.3 24.9 37.3

Manual Integrations
 APPROVED

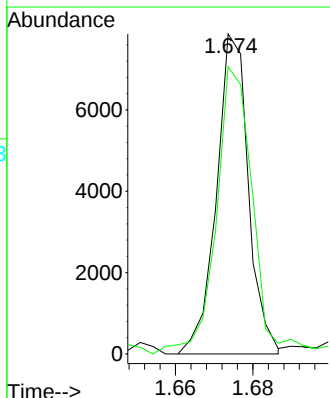
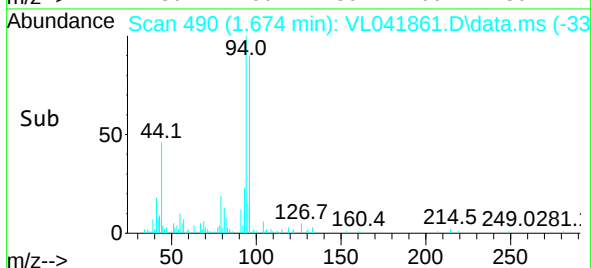
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

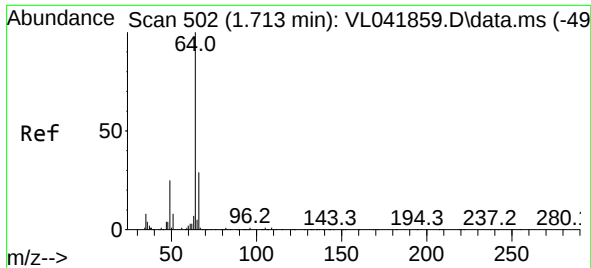


#6
 Bromomethane
 Concen: 1.079 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. -0.000 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22



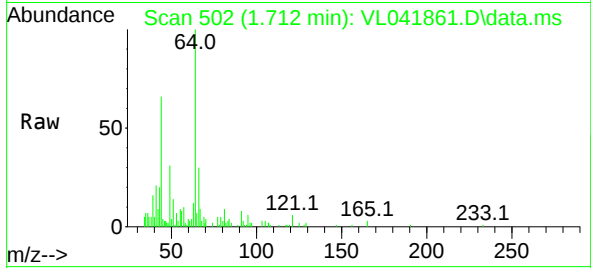
Tgt Ion: 94 Resp: 4513
 Ion Ratio Lower Upper
 94 100
 96 86.9 72.0 108.0





#7
Chloroethane
Concen: 1.077 ppbv
RT: 1.712 min Scan# 502
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

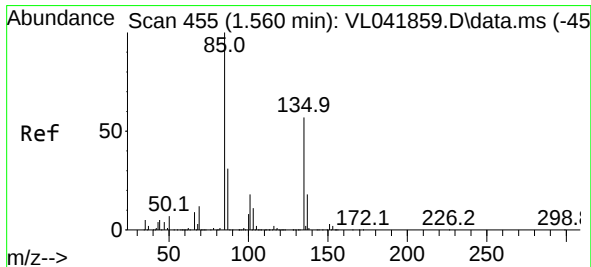
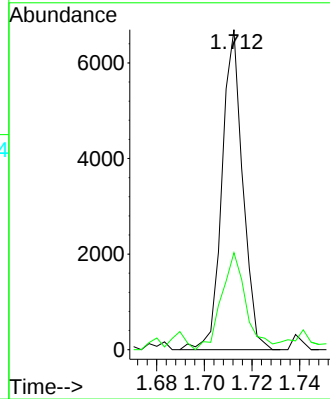
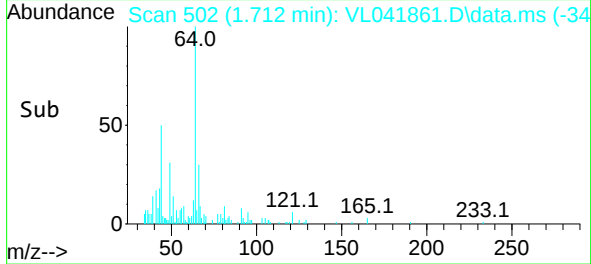
Instrument : MSVOA_1
ClientSampleId : VSTDIC001



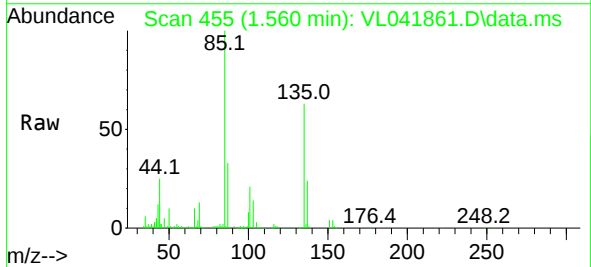
Tgt Ion: 64 Resp: 4049
Ion Ratio Lower Upper
64 100
66 30.3 25.6 38.4

Manual Integrations
APPROVED

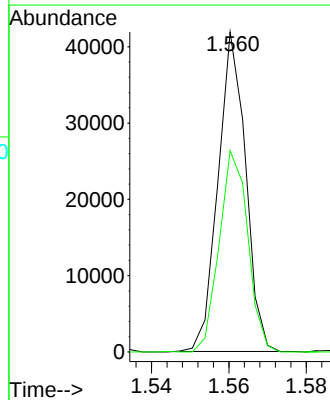
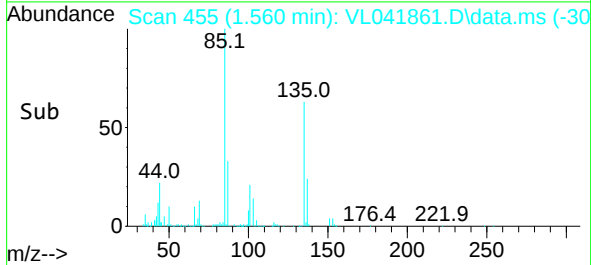
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

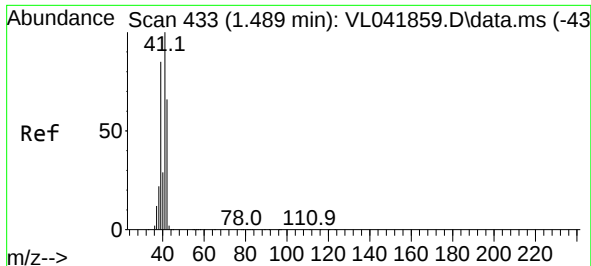


#8
Dichlorotetrafluoroethane
Concen: 1.019 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



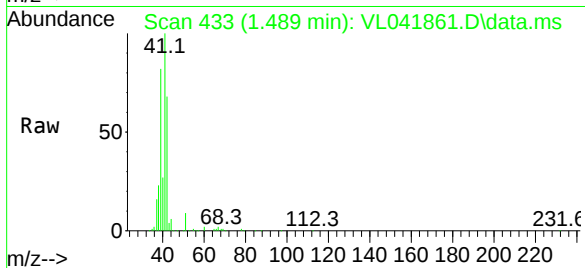
Tgt Ion: 85 Resp: 20696
Ion Ratio Lower Upper
85 100
135 65.5 47.9 71.9





#9
Propene
Concen: 1.680 ppbv
RT: 1.489 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

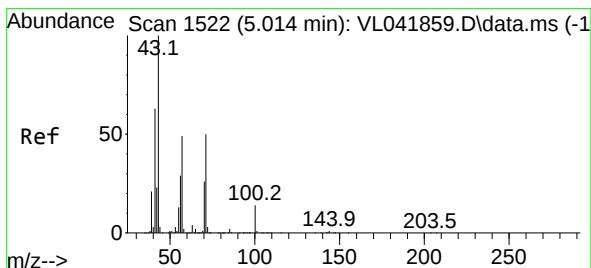
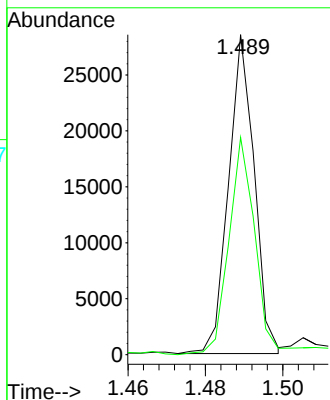
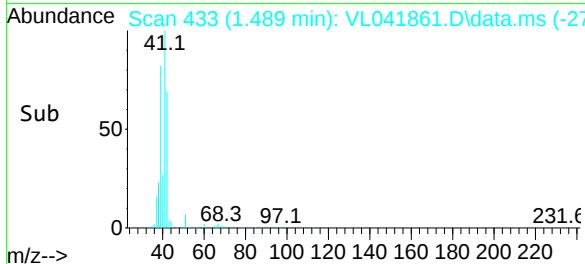
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



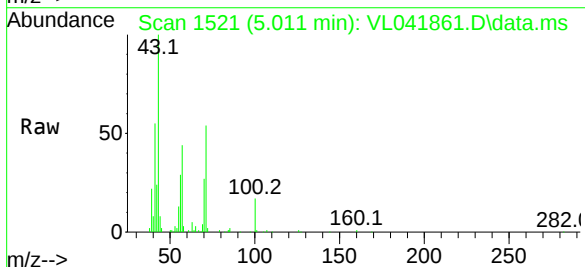
Tgt Ion: 41 Resp: 13149
Ion Ratio Lower Upper
41 100
42 74.0 54.4 81.6

Manual Integrations
APPROVED

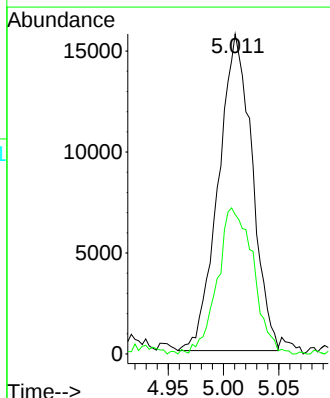
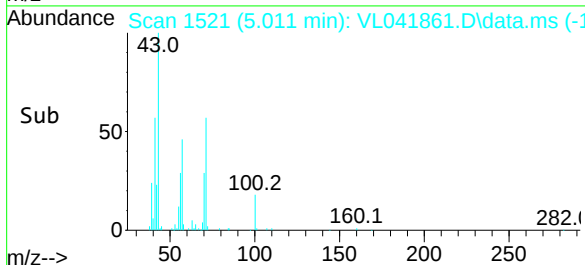
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

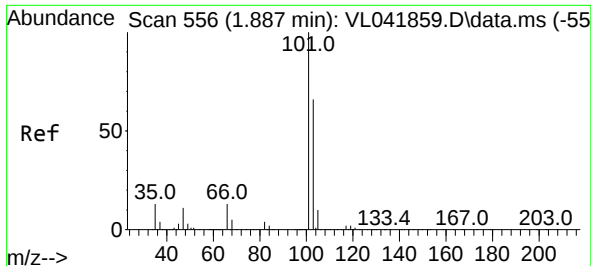


#10
Heptane
Concen: 1.722 ppbv
RT: 5.011 min Scan# 1521
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



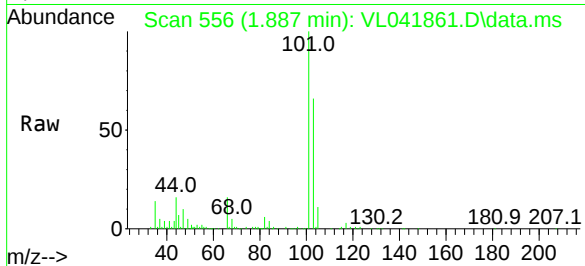
Tgt Ion: 43 Resp: 33313
Ion Ratio Lower Upper
43 100
57 47.8 37.8 56.6





#11
Trichlorofluoromethane
Concen: 1.039 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

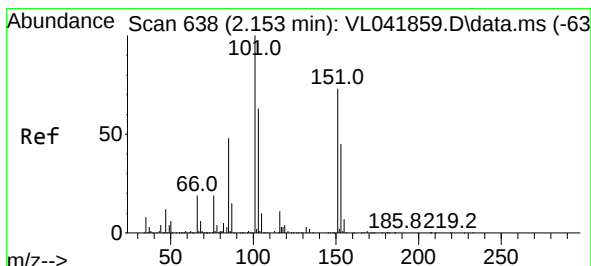
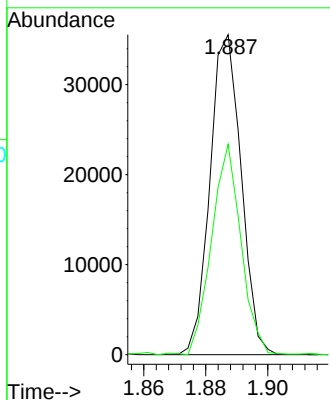
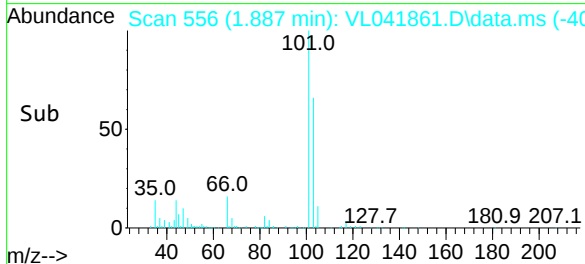
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



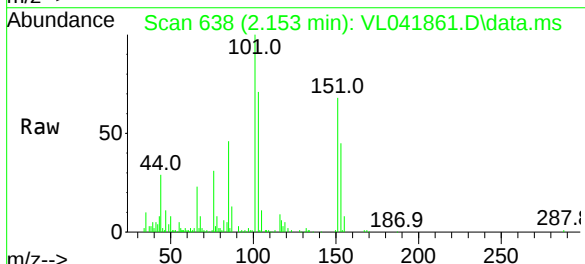
Tgt Ion:101 Resp: 24860
Ion Ratio Lower Upper
101 100
103 65.4 49.4 74.0

Manual Integrations
APPROVED

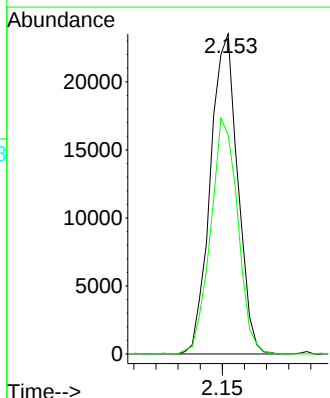
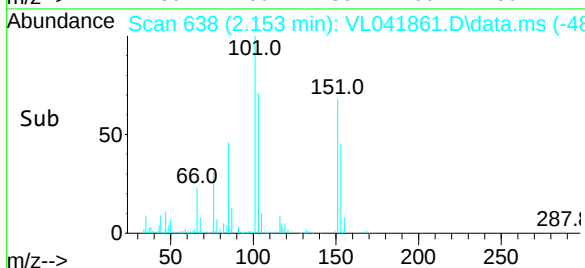
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.131 ppbv
RT: 2.153 min Scan# 638
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



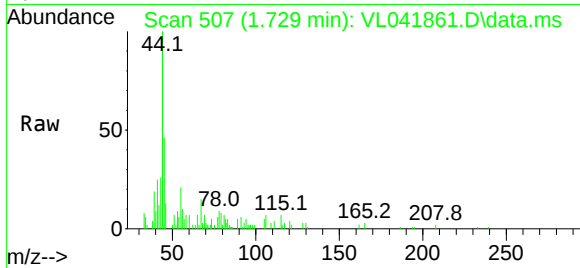
Tgt Ion:101 Resp: 20153
Ion Ratio Lower Upper
101 100
151 73.3 53.2 79.8





#13
Ethanol
Concen: 0.962 ppbv m
RT: 1.729 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

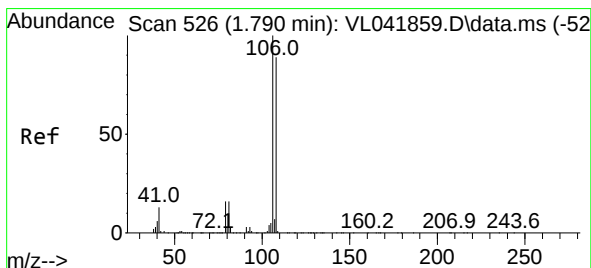
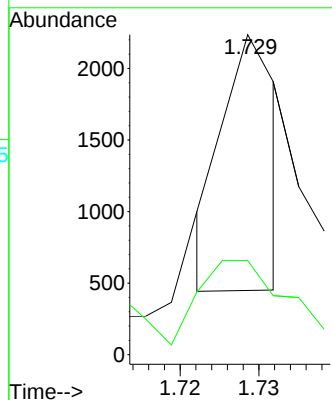
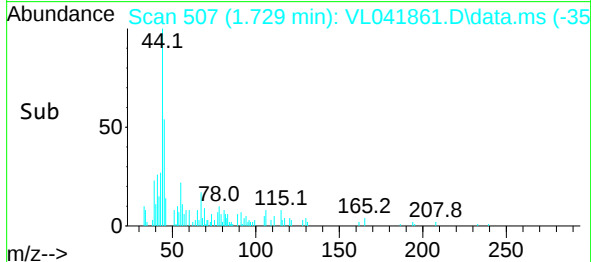
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



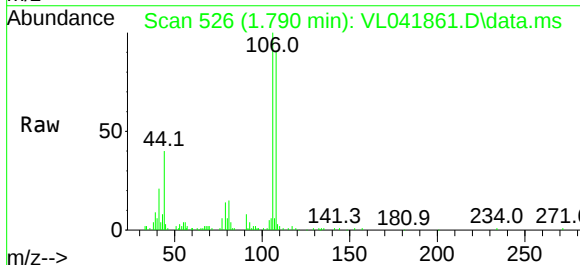
Tgt Ion: 45 Resp: 85
Ion Ratio Lower Upper
45 100
46 112.1 16.1 64.5

Manual Integrations
APPROVED

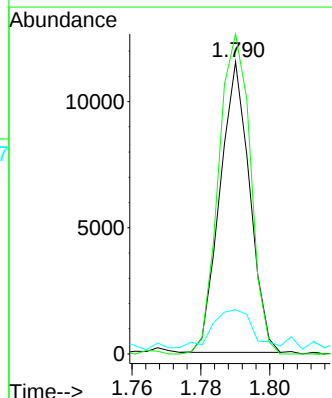
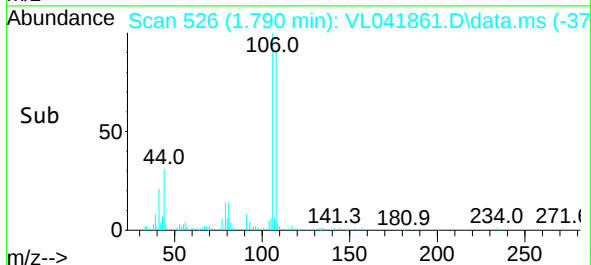
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

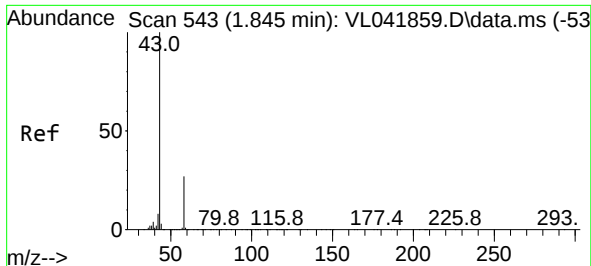


#14
Bromoethene
Concen: 1.185 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



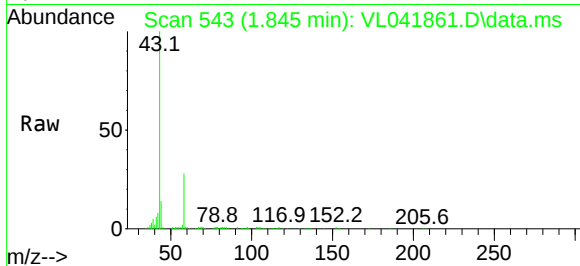
Tgt Ion:108 Resp: 6917
Ion Ratio Lower Upper
108 100
106 121.2 84.6 126.8
79 31.1 18.3 27.5





#15
Acetone
Concen: 1.070 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

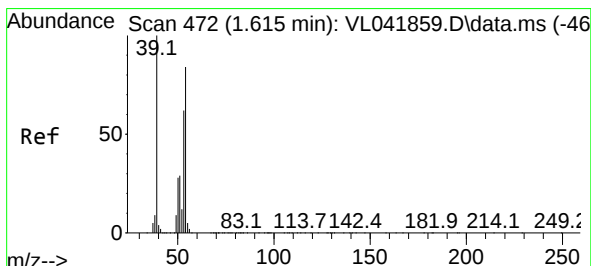
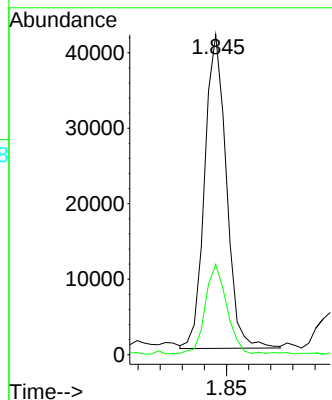
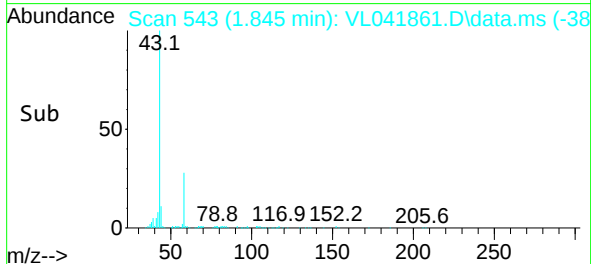
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



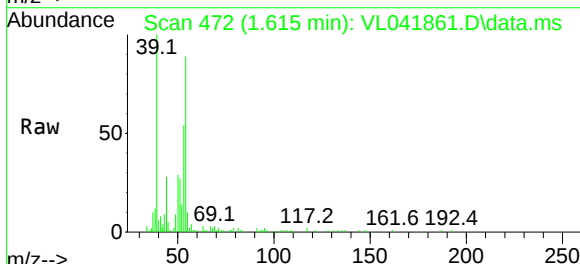
Tgt Ion: 43 Resp: 28258
Ion Ratio Lower Upper
43 100
58 32.0 20.2 30.2

Manual Integrations
APPROVED

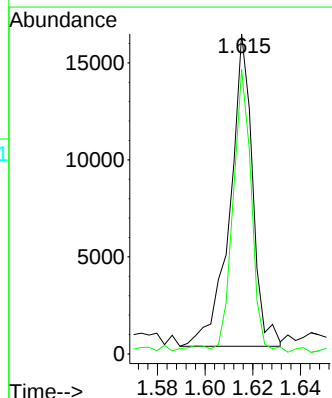
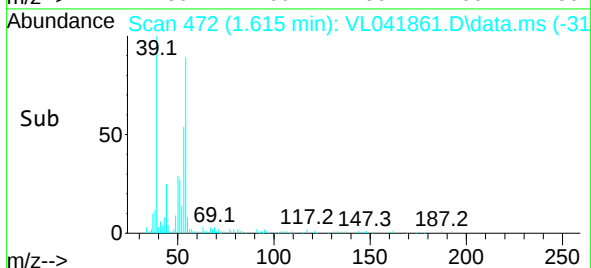
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

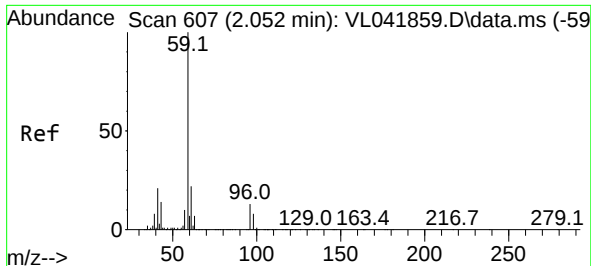


#16
1,3-Butadiene
Concen: 1.028 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



Tgt Ion: 39 Resp: 10650
Ion Ratio Lower Upper
39 100
54 74.2 56.2 84.4





#17

tert-Butyl alcohol

Concen: 1.268 ppbv

RT: 2.052 min Scan# 607

Delta R.T. 0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 59 Resp: 2902

Ion Ratio Lower Upper

59 100

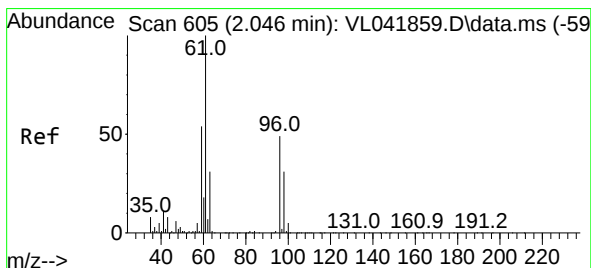
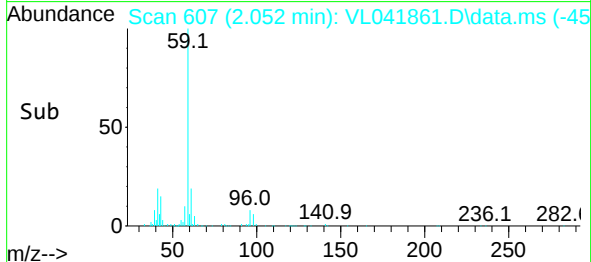
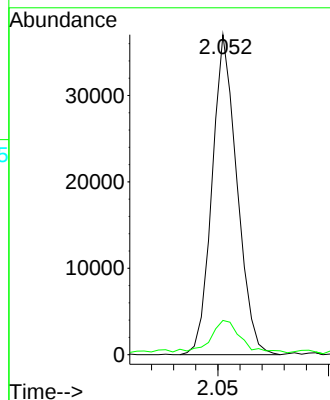
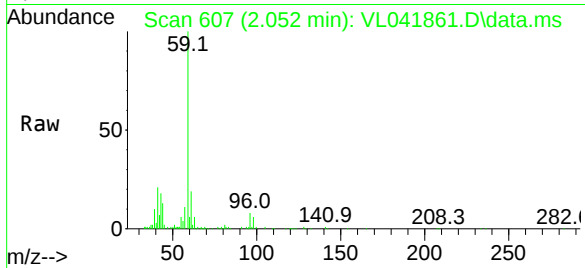
57 13.8 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#18

1,1-Dichloroethene

Concen: 1.270 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

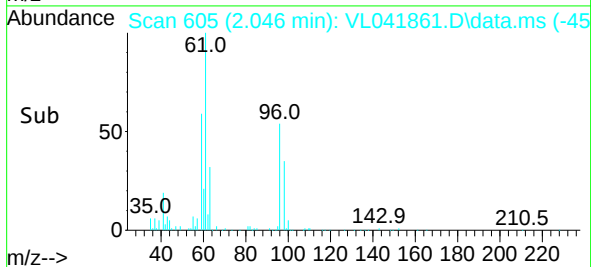
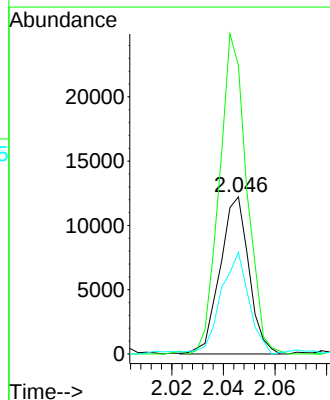
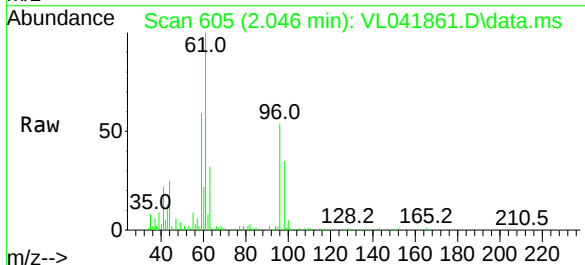
Tgt Ion: 96 Resp: 9481

Ion Ratio Lower Upper

96 100

61 181.8 179.2 268.8

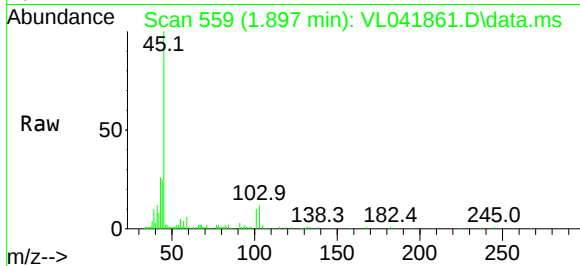
98 63.8 51.6 77.4





#19
Isopropyl Alcohol
Concen: 1.127 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

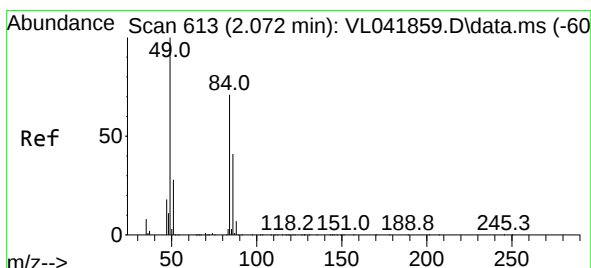
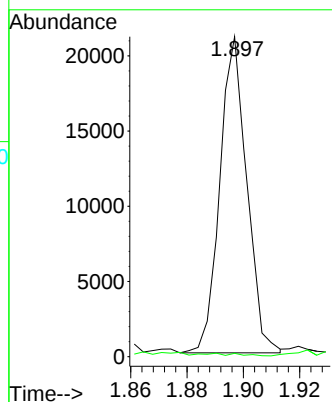
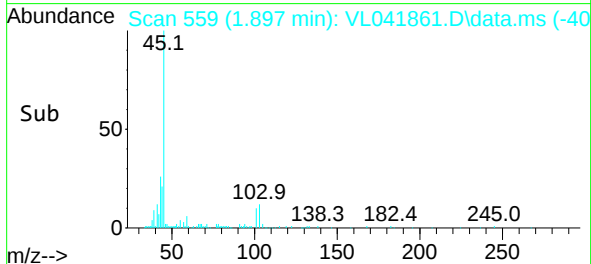
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 45 Resp: 13968
Ion Ratio Lower Upper
45 100
58 3.4 2.0 3.0

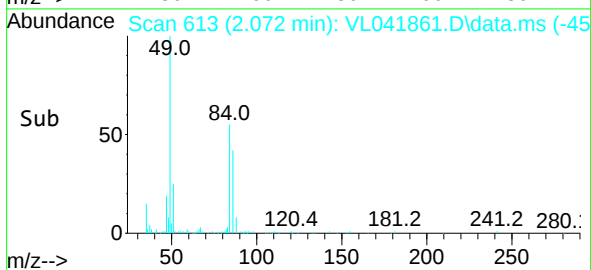
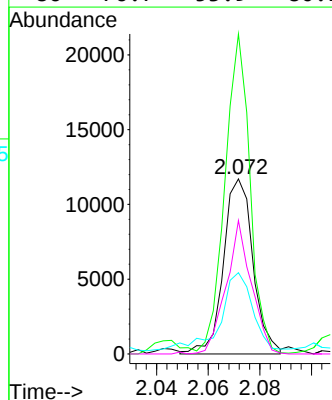
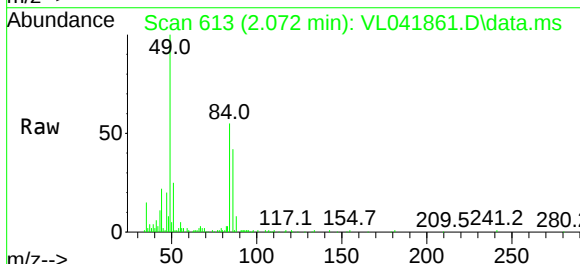
Manual Integrations
APPROVED

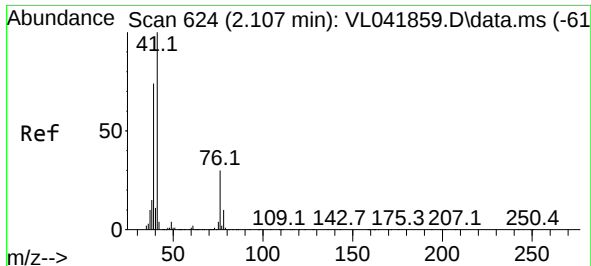
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#20
Methylene Chloride
Concen: 1.235 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

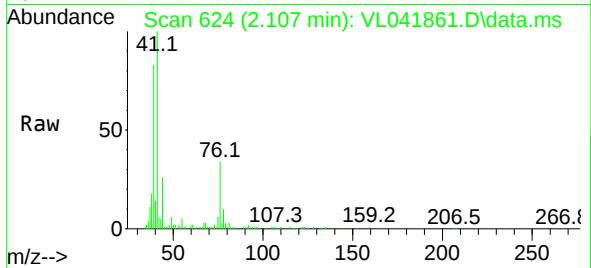
Tgt Ion: 84 Resp: 9326
Ion Ratio Lower Upper
84 100
49 184.6 137.8 206.8
51 44.2 43.9 65.9
86 76.7 53.9 80.9





#21
 Allyl Chloride
 Concen: 1.184 ppbv
 RT: 2.107 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

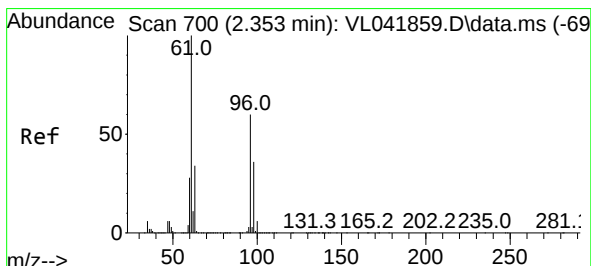
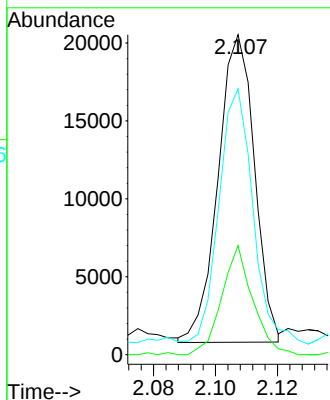
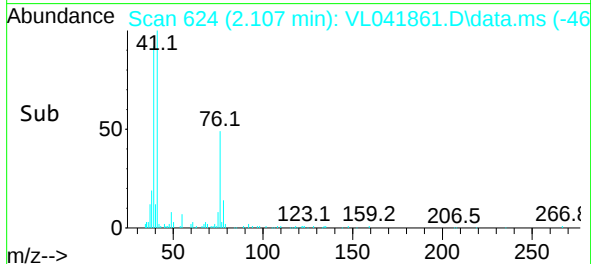
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



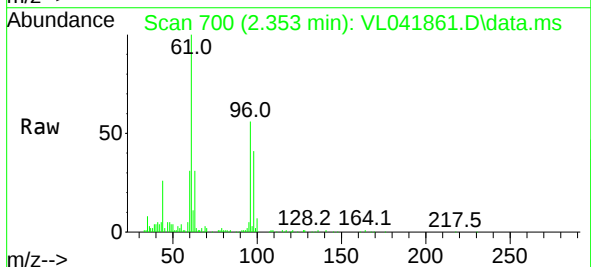
Tgt Ion: 41 Resp: 16109
 Ion Ratio Lower Upper
 41 100
 76 30.3 20.6 31.0
 39 84.2 67.4 101.2

Manual Integrations
 APPROVED

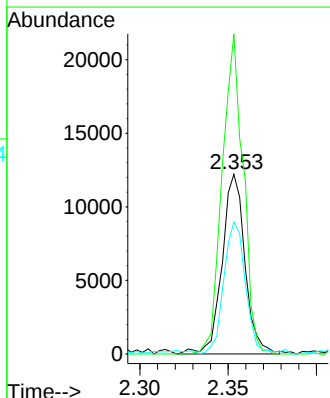
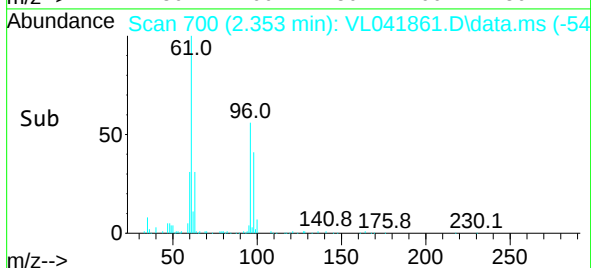
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

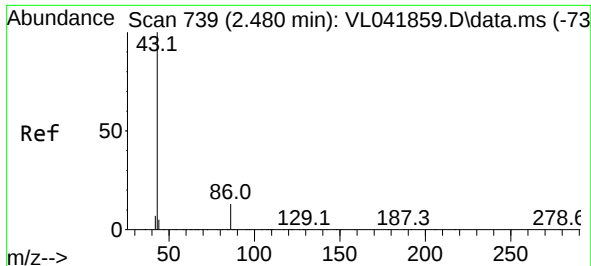


#22
 trans-1,2-Dichloroethene
 Concen: 1.321 ppbv m
 RT: 2.353 min Scan# 700
 Delta R.T. 0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22



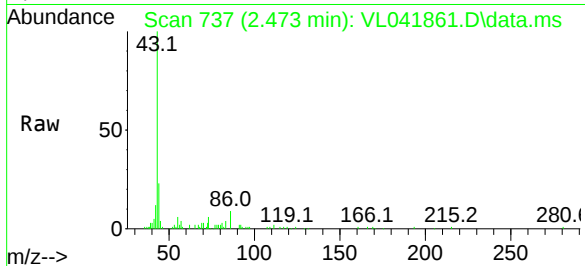
Tgt Ion: 96 Resp: 11020
 Ion Ratio Lower Upper
 96 100
 61 178.1 144.0 216.0
 98 73.4 46.9 70.3#





#23
 Vinyl Acetate
 Concen: 1.377 ppbv
 RT: 2.473 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

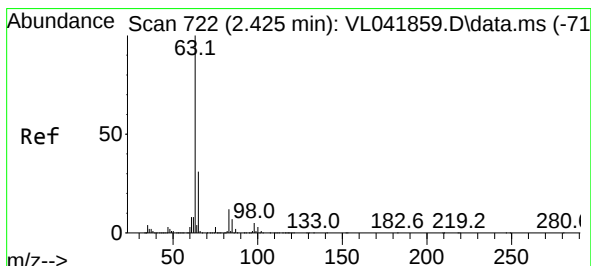
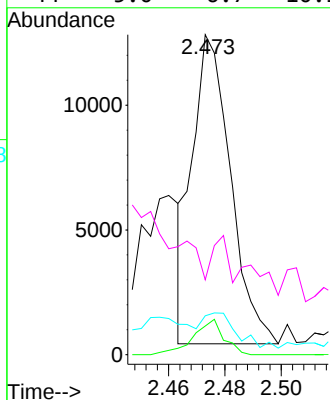
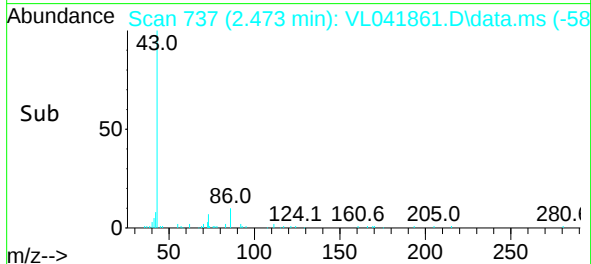
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



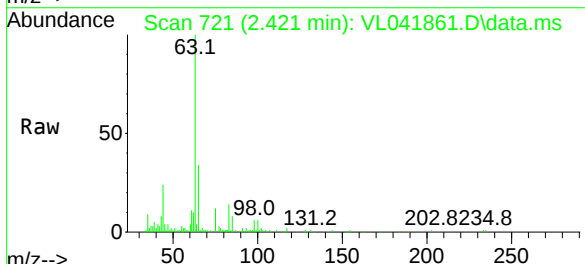
Tgt Ion: 43 Resp: 11660
 Ion Ratio Lower Upper
 43 100
 86 9.3 6.4 9.6
 42 10.4 9.5 14.3
 44 5.0 6.7 10.1#

Manual Integrations
 APPROVED

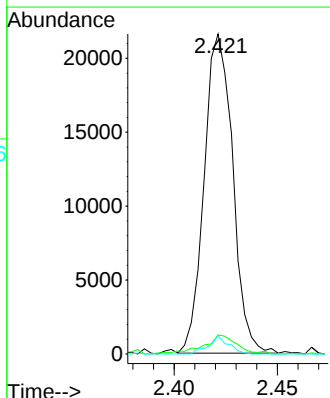
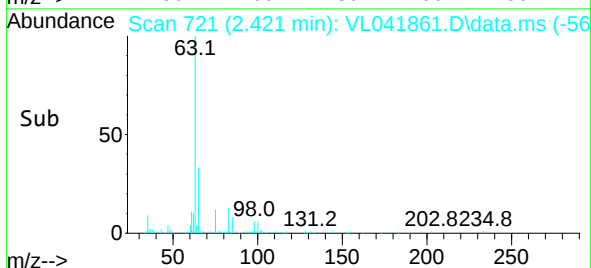
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

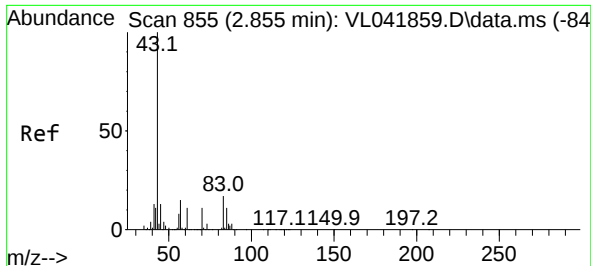


#24
 1,1-Dichloroethane
 Concen: 1.137 ppbv
 RT: 2.421 min Scan# 721
 Delta R.T. 0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22



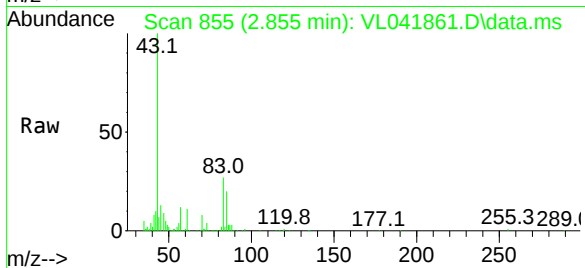
Tgt Ion: 63 Resp: 20750
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.3 6.9
 100 5.8 1.4 4.0#





#25
Ethyl Acetate
Concen: 1.421 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.010 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

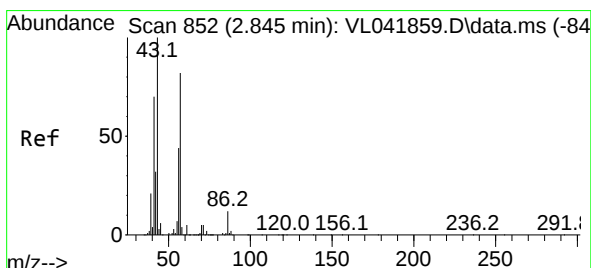
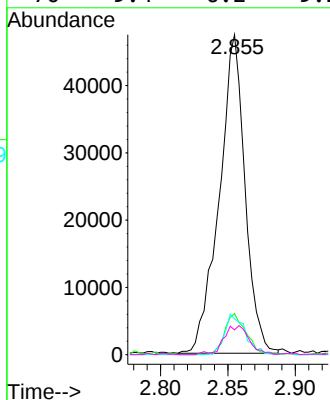
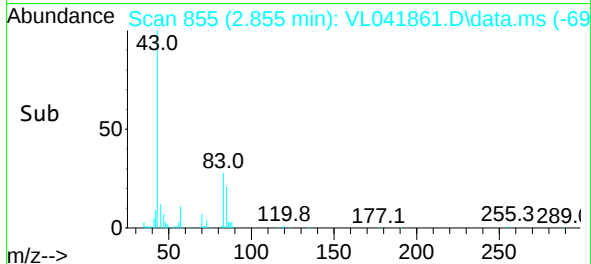
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



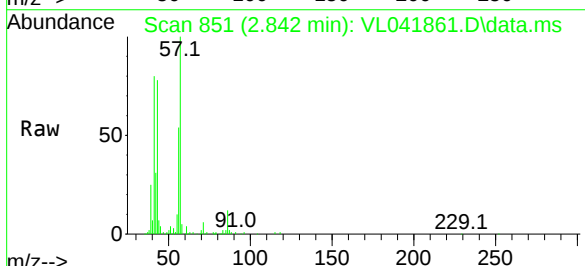
Tgt Ion: 43 Resp: 6292
Ion Ratio Lower Upper
43 100
45 10.9 7.8 11.8
61 10.4 7.0 10.6
70 9.4 6.2 9.2#

Manual Integrations
APPROVED

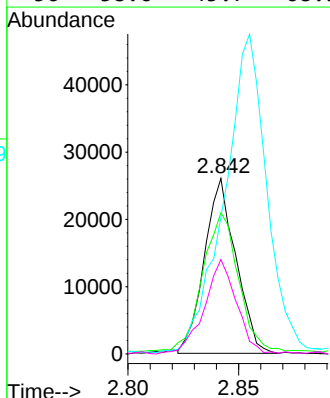
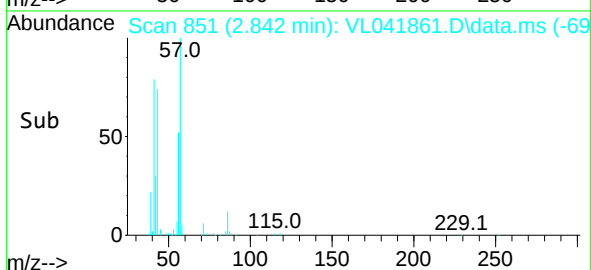
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

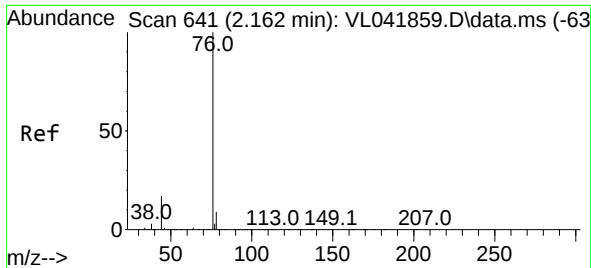


#26
Hexane
Concen: 1.678 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



Tgt Ion: 57 Resp: 25792
Ion Ratio Lower Upper
57 100
41 93.5 84.1 126.1
43 249.3 218.4 327.6
56 58.6 45.7 68.5





#27

Carbon Disulfide

Concen: 1.654 ppbv

RT: 2.162 min Scan# 641

Delta R.T. 0.003 min

Lab File: VL041861.D

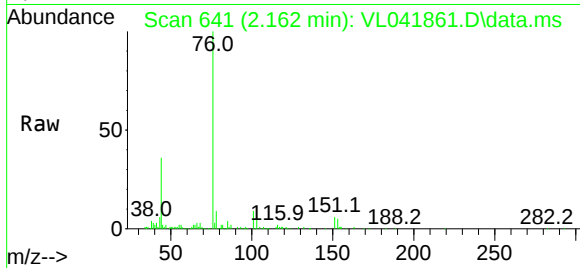
Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

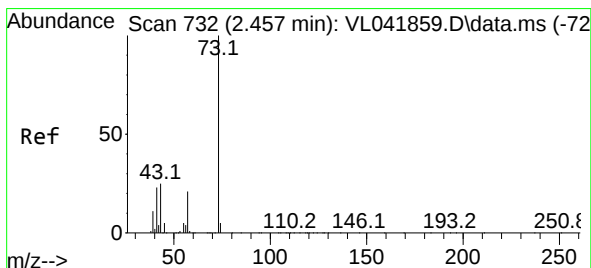
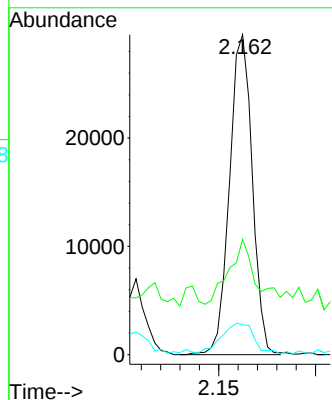
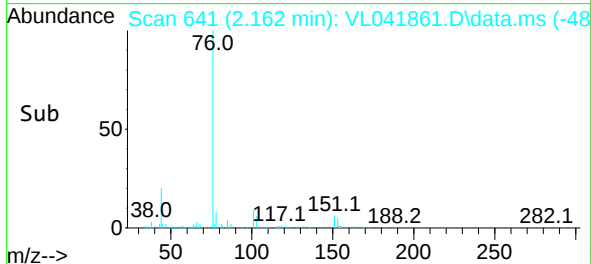


Tgt Ion: 76	Resp: 2413
Ion Ratio	Lower Upper
76	100
44	57.9 19.8 29.8
78	15.2 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#28

Methyl tert-Butyl Ether

Concen: 1.669 ppbv

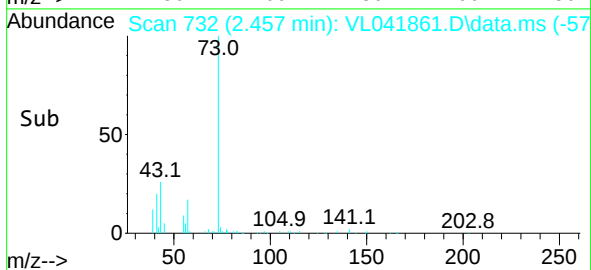
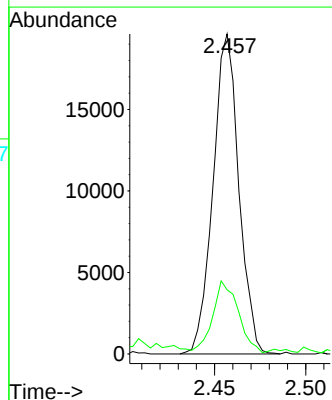
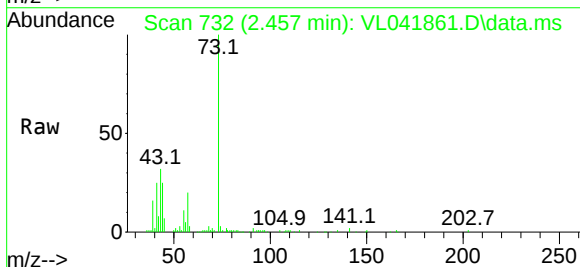
RT: 2.457 min Scan# 732

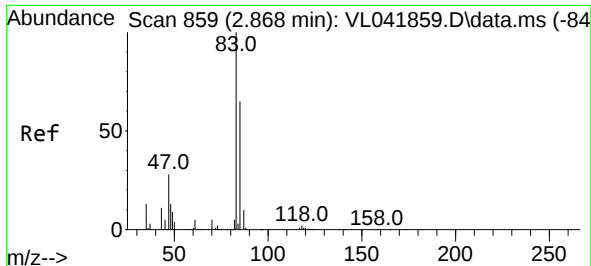
Delta R.T. 0.006 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Tgt Ion: 73	Resp: 19330
Ion Ratio	Lower Upper
73	100
57	22.5 18.4 27.6





#29

Chloroform

Concen: 1.276 ppbv

RT: 2.865 min Scan# 859

Delta R.T. 0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 3644

Ion Ratio Lower Upper

83 100

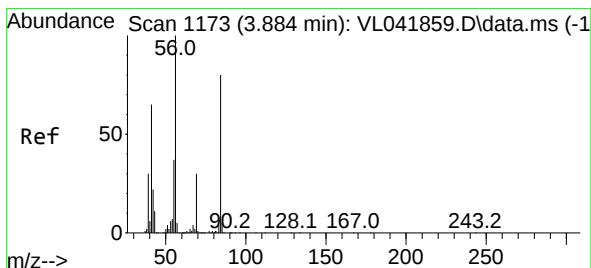
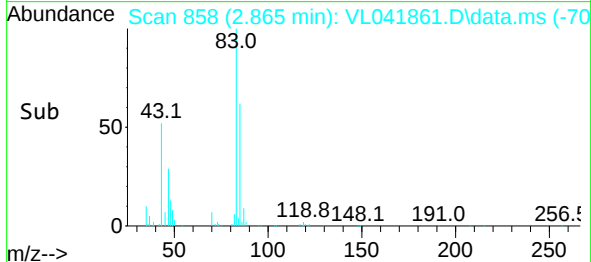
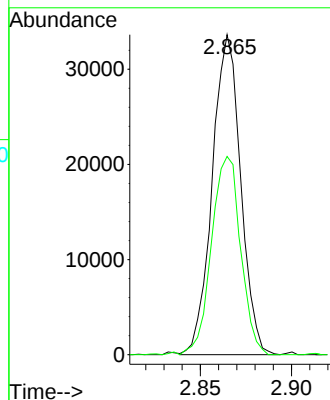
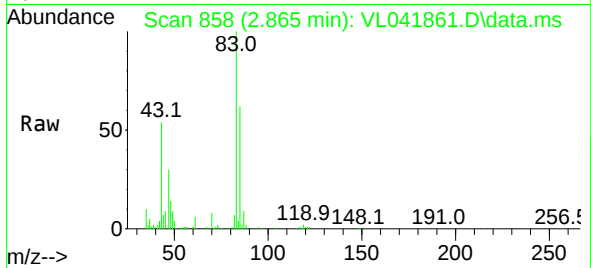
85 62.0 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#30

Cyclohexane

Concen: 1.869 ppbv

RT: 3.881 min Scan# 1172

Delta R.T. 0.006 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

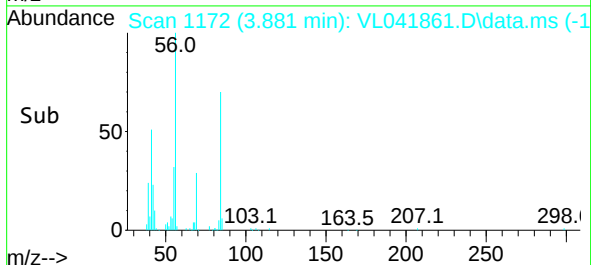
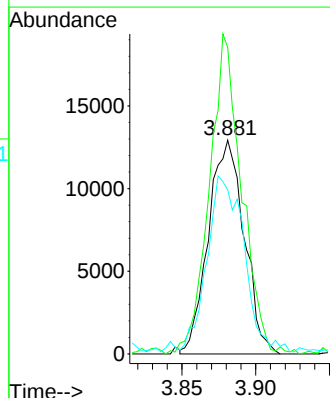
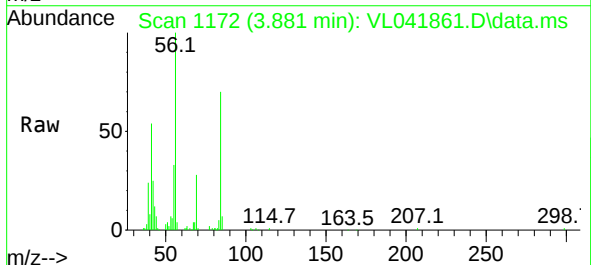
Tgt Ion: 84 Resp: 21797

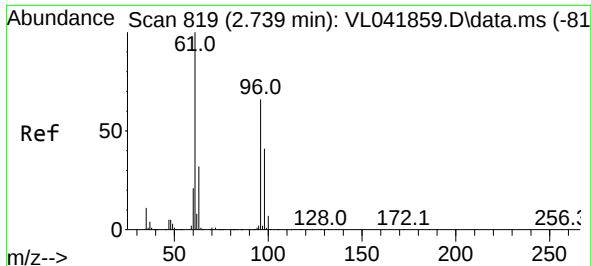
Ion Ratio Lower Upper

84 100

56 137.2 105.0 157.6

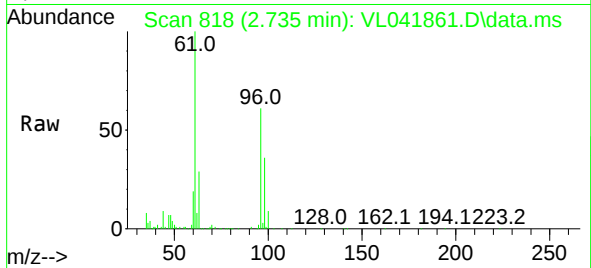
41 86.1 78.9 118.3





#31
 cis-1,2-Dichloroethene
 Concen: 1.626 ppbv
 RT: 2.735 min Scan# 819
 Delta R.T. 0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

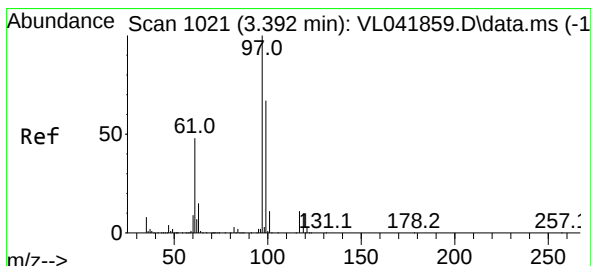
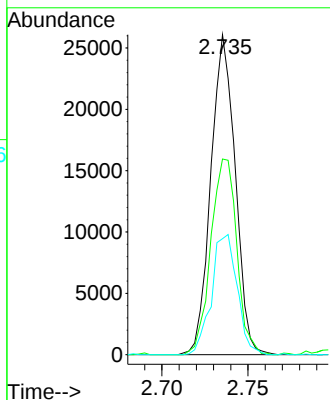
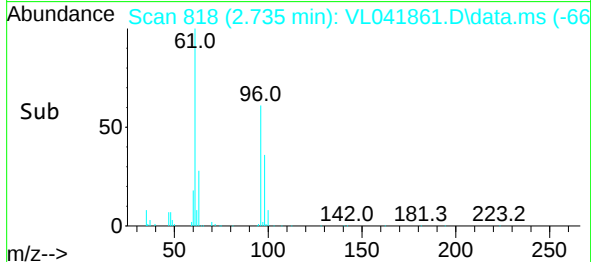
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



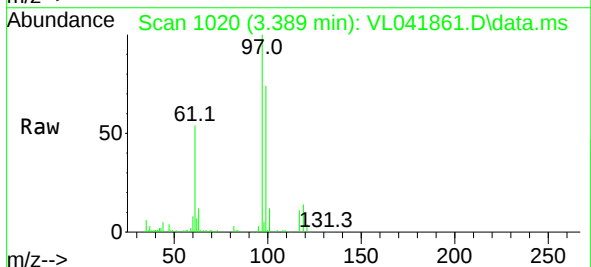
Tgt Ion: 61 Resp: 2572
 Ion Ratio Lower Upper
 61 100
 96 61.2 47.6 71.4
 98 36.3 30.2 45.2

Manual Integrations
 APPROVED

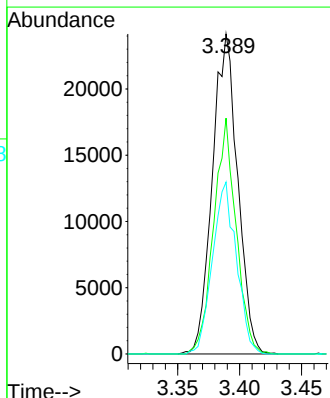
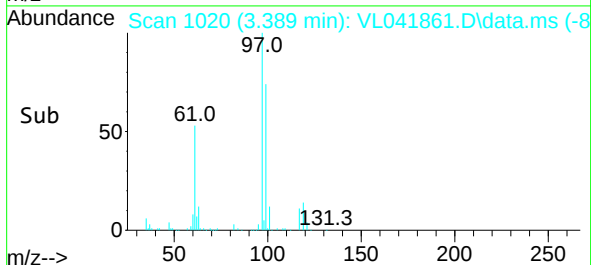
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

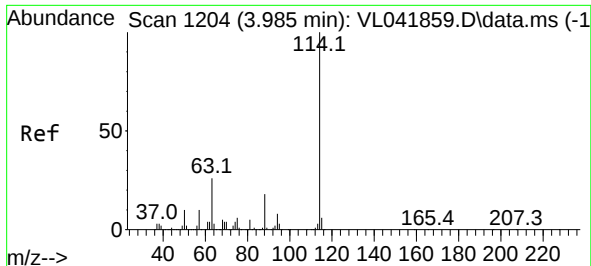


#32
 1,1,1-Trichloroethane
 Concen: 1.327 ppbv
 RT: 3.389 min Scan# 1020
 Delta R.T. 0.006 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22



Tgt Ion: 97 Resp: 34347
 Ion Ratio Lower Upper
 97 100
 99 65.4 50.6 76.0
 61 50.9 45.0 67.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.981 min Scan# 114

Delta R.T. 0.006 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

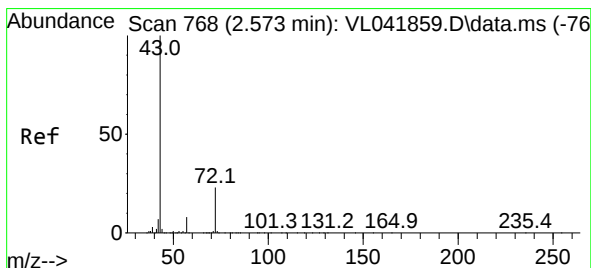
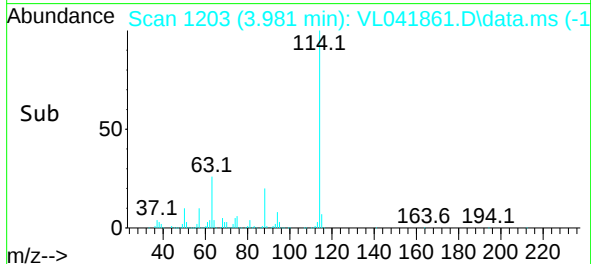
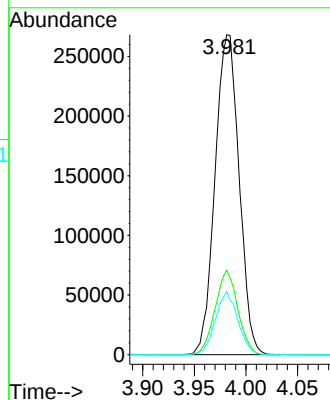
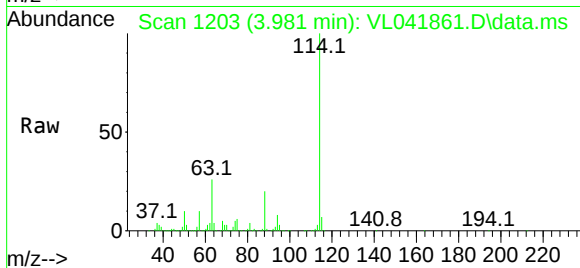
Tgt Ion:114 Resp: 434494

Ion	Ratio	Lower	Upper
114	100		
63	25.0	22.3	33.5
88	18.5	14.9	22.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#34

2-Butanone

Concen: 1.093 ppbv

RT: 2.573 min Scan# 768

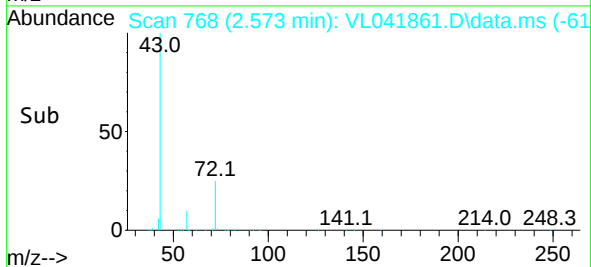
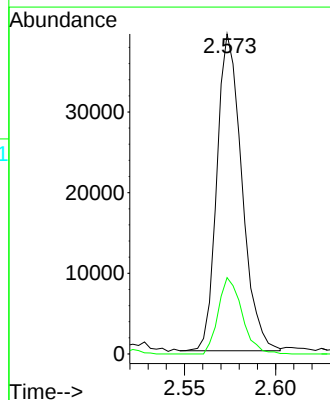
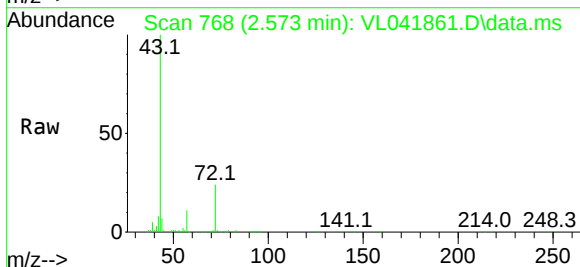
Delta R.T. 0.006 min

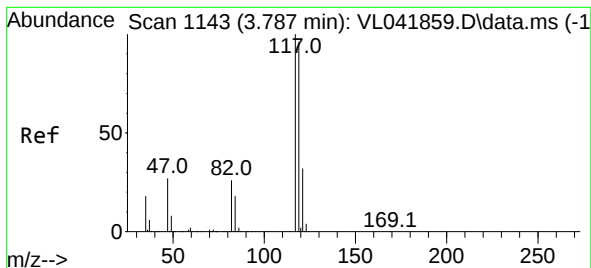
Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Tgt Ion: 43 Resp: 37395

Ion	Ratio	Lower	Upper
43	100		
72	22.9	16.6	25.0





#35

Carbon Tetrachloride

Concen: 1.008 ppbv

RT: 3.784 min Scan# 1143

Delta R.T. 0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

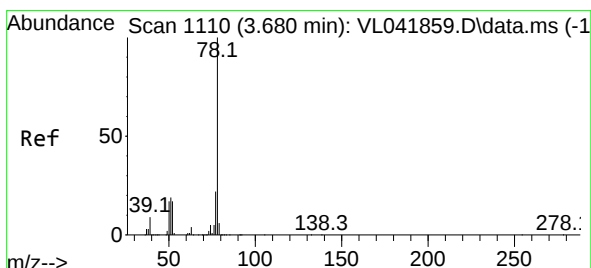
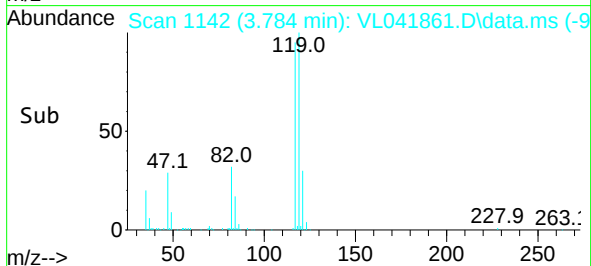
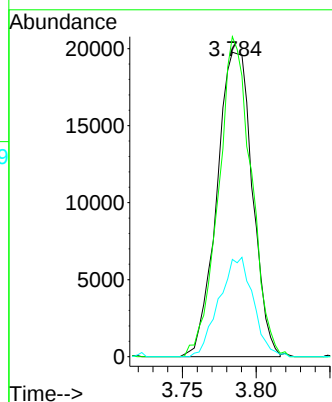
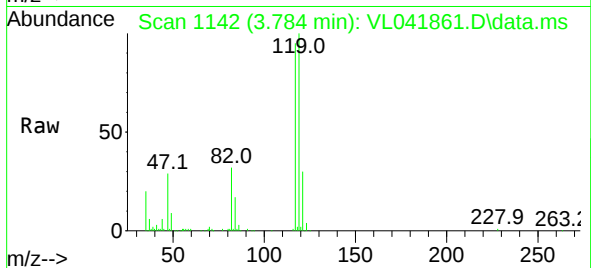
VSTDICC001

Tgt Ion:	117	Resp:	3308
Ion	Ratio	Lower	Upper
117	100		
119	105.1	79.1	118.7
121	32.0	24.2	36.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#36

Benzene

Concen: 1.268 ppbv

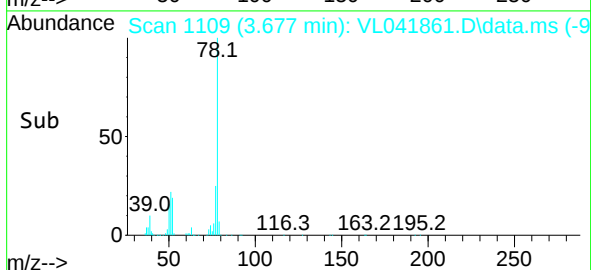
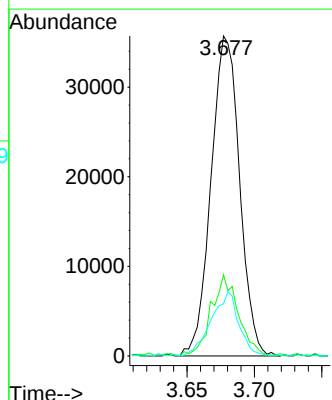
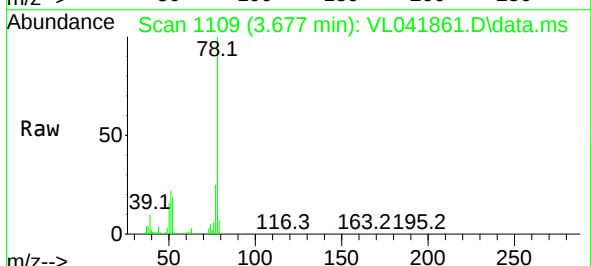
RT: 3.677 min Scan# 1109

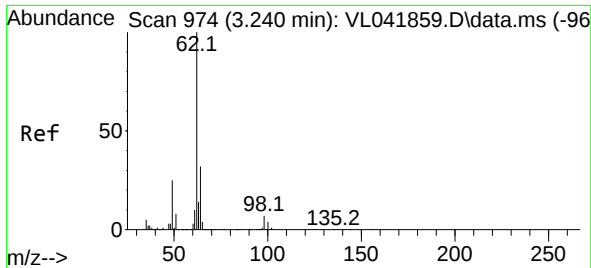
Delta R.T. 0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Tgt Ion:	78	Resp:	52621
Ion	Ratio	Lower	Upper
78	100		
77	25.2	17.4	26.0
50	16.3	17.3	25.9





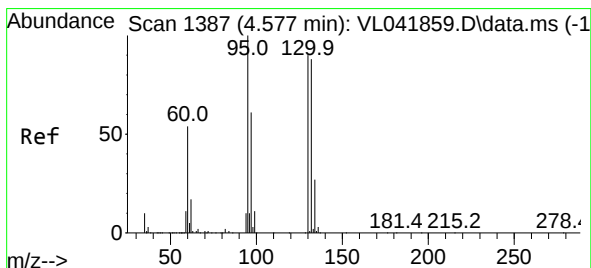
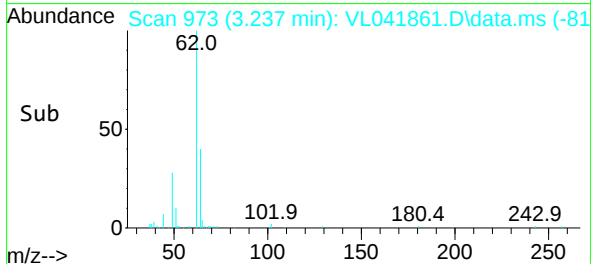
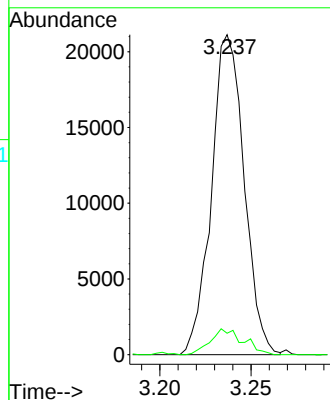
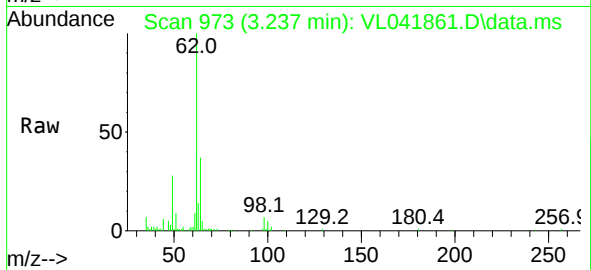
#37
1,2-Dichloroethane
Concen: 0.966 ppbv
RT: 3.237 min Scan# 91
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 62 Resp: 26348
Ion Ratio Lower Upper
62 100
98 8.5 4.8 7.2

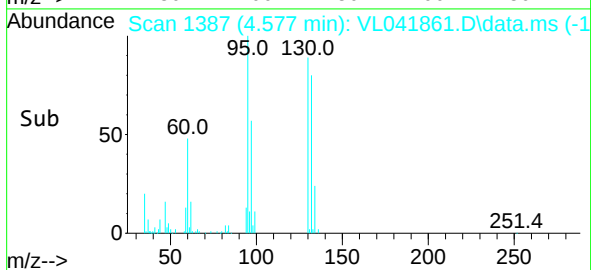
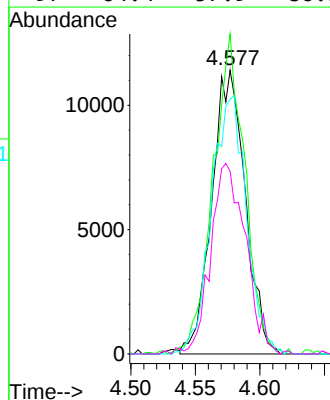
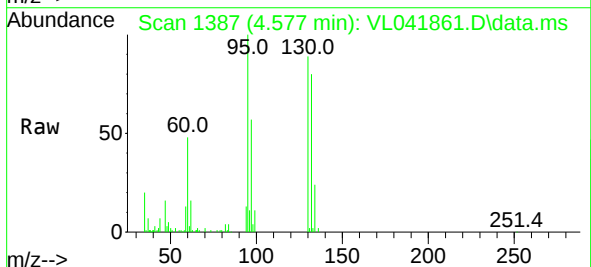
Manual Integrations
APPROVED

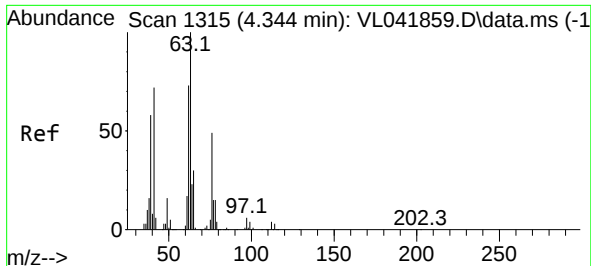
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#38
Trichloroethene
Concen: 1.259 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:130 Resp: 20492
Ion Ratio Lower Upper
130 100
95 111.3 90.1 135.1
132 89.1 71.8 107.8
97 64.4 57.9 86.9





#39

1,2-Dichloropropane

Concen: 1.142 ppbv

RT: 4.341 min Scan# 1315

Delta R.T. 0.006 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

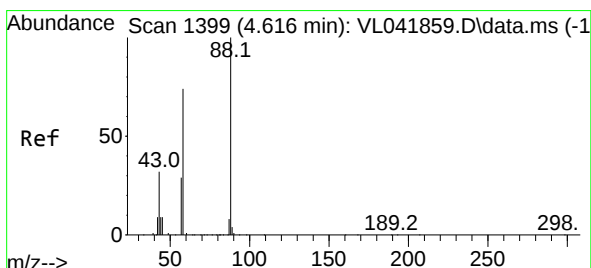
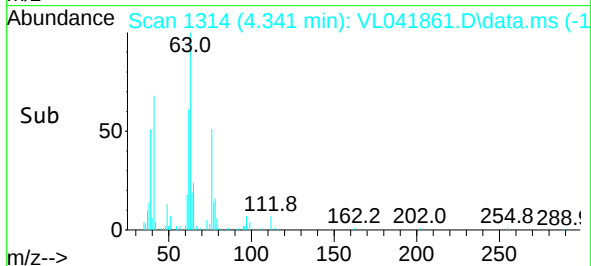
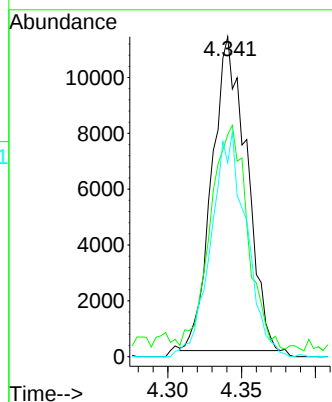
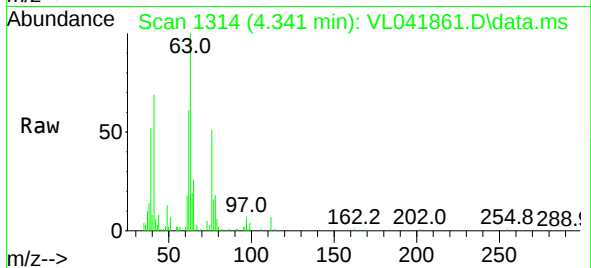
VSTDIC001

Tgt Ion: 63	Resp: 1834
Ion Ratio	Lower Upper
63	100
41	67.7 77.7 116.5
62	60.4 56.2 84.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#40

1,4-Dioxane

Concen: 1.478 ppbv m

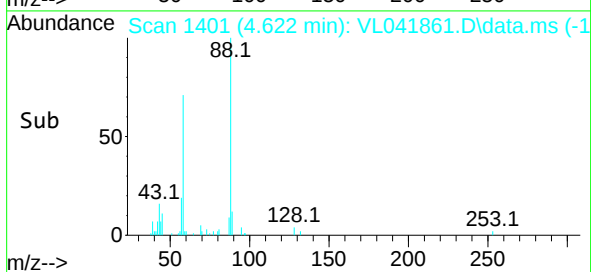
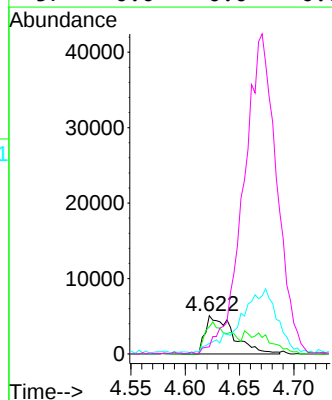
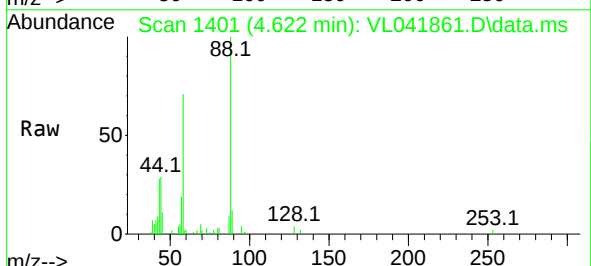
RT: 4.622 min Scan# 1401

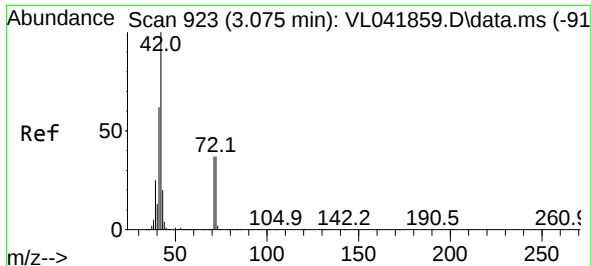
Delta R.T. 0.016 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

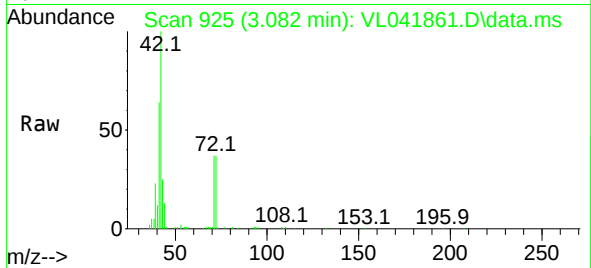
Tgt Ion: 88	Resp: 9193
Ion Ratio	Lower Upper
88	100
58	68.7 65.1 97.7
43	0.0 32.1 48.1
57	0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 1.351 ppbv
RT: 3.082 min Scan# 91
Delta R.T. 0.013 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

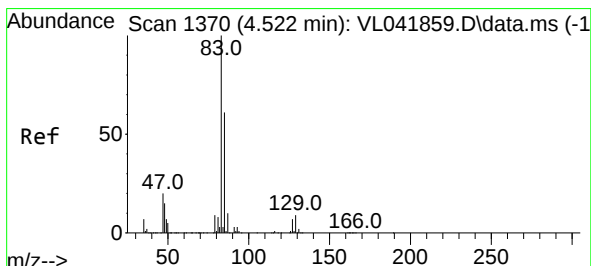
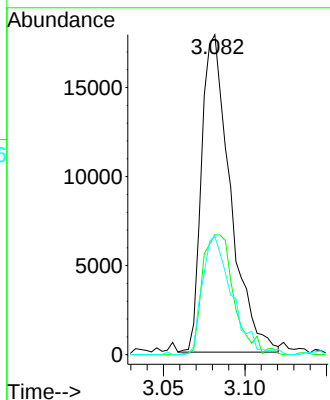
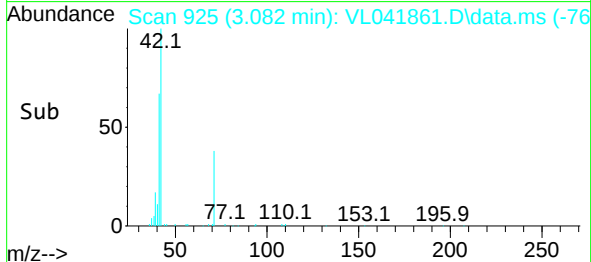
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



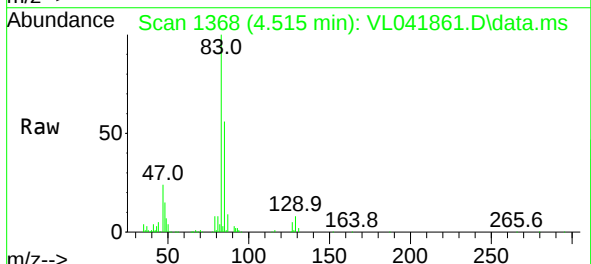
Tgt Ion: 42 Resp: 2180
Ion Ratio Lower Upper
42 100
72 41.7 27.9 41.9
71 38.7 26.5 39.7

Manual Integrations
APPROVED

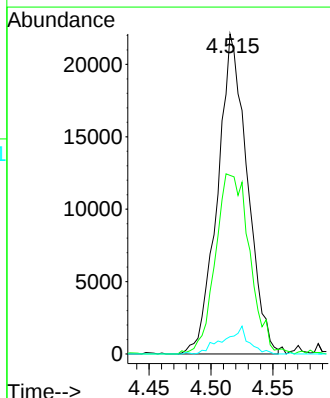
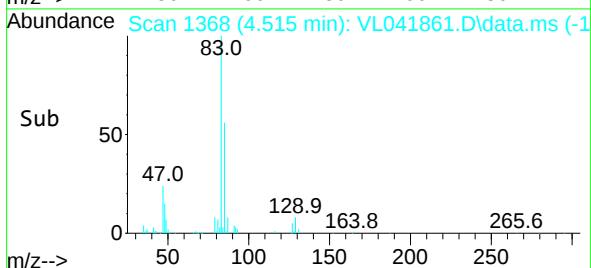
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

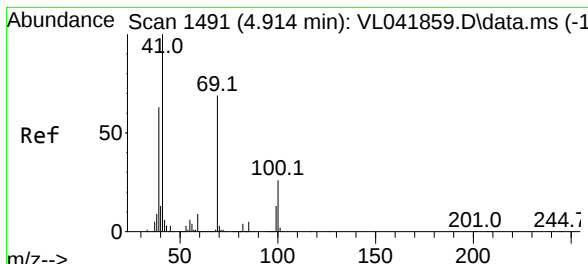


#42
Bromodichloromethane
Concen: 1.159 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



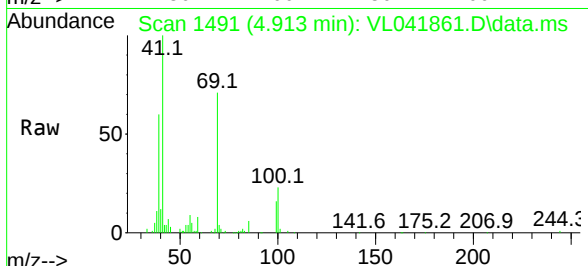
Tgt Ion: 83 Resp: 37075
Ion Ratio Lower Upper
83 100
85 55.8 51.3 76.9
127 5.4 5.6 8.4#





#43
Methyl Methacrylate
Concen: 1.610 ppbv
RT: 4.913 min Scan# 1491
Delta R.T. 0.010 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

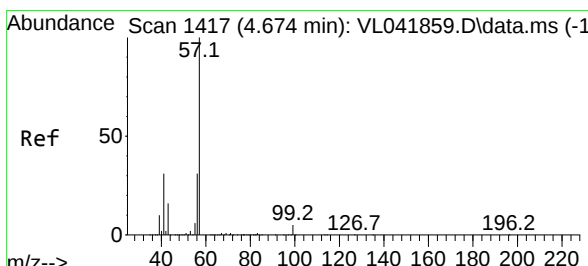
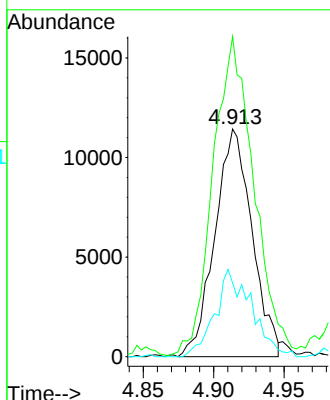
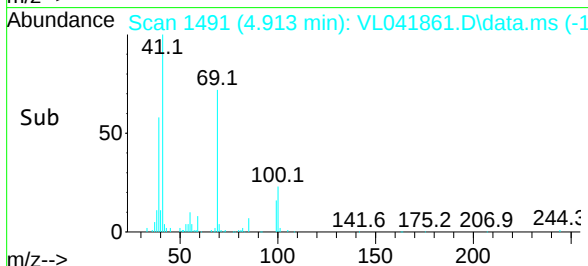
Instrument : MSVOA_L
ClientSampleId : VSTDICC001



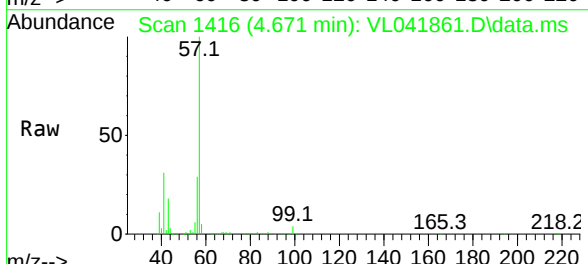
Tgt Ion: 69 Resp: 20990
Ion Ratio Lower Upper
69 100
41 154.4 132.3 198.5
100 37.7 28.2 42.4

Manual Integrations
APPROVED

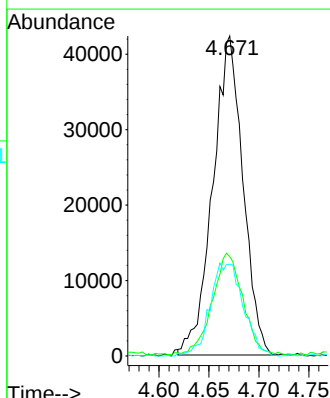
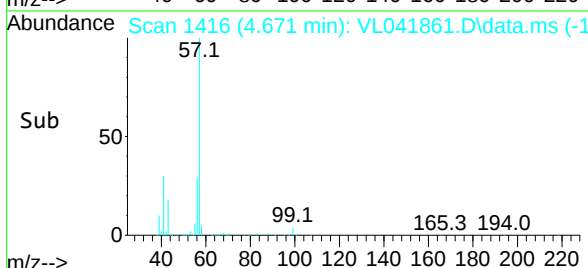
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

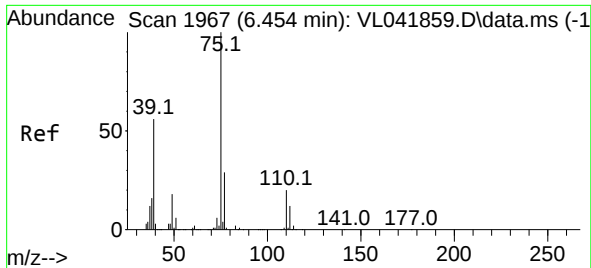


#44
2,2,4-Trimethylpentane
Concen: 1.302 ppbv
RT: 4.671 min Scan# 1416
Delta R.T. 0.010 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



Tgt Ion: 57 Resp: 89035
Ion Ratio Lower Upper
57 100
41 31.9 31.4 47.2
56 31.9 26.6 39.8





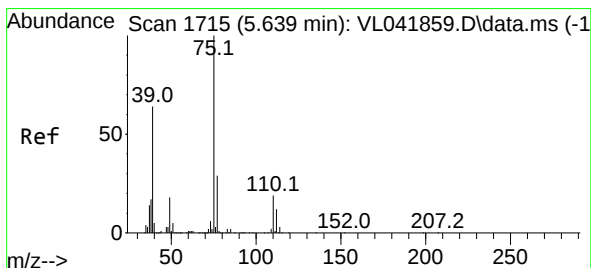
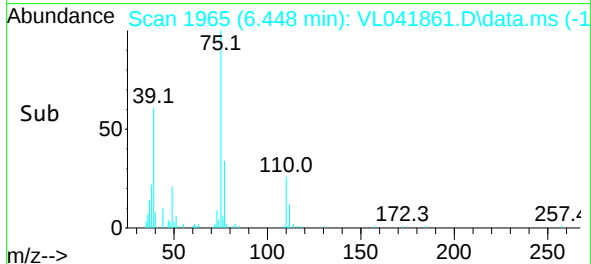
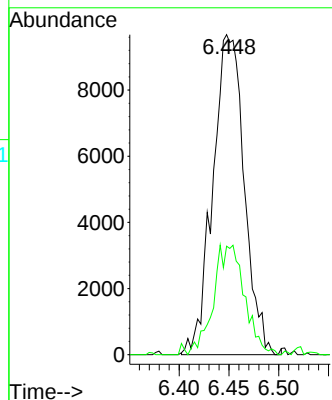
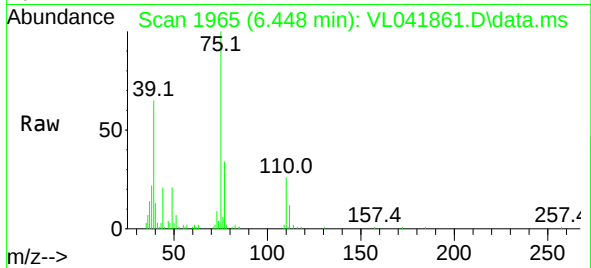
#45
 t-1,3-Dichloropropene
 Concen: 1.675 ppbv m
 RT: 6.448 min Scan# 1965
 Delta R.T. 0.010 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 75 Resp: 21319
 Ion Ratio Lower Upper
 75 100
 77 33.9 22.2 33.4

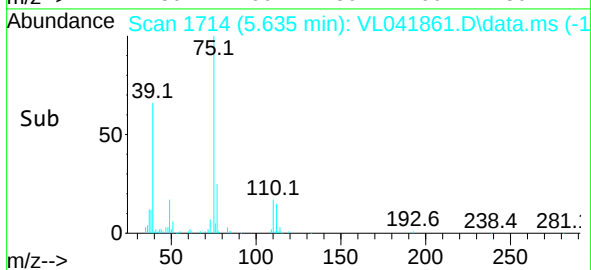
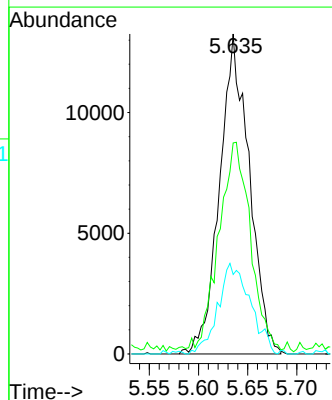
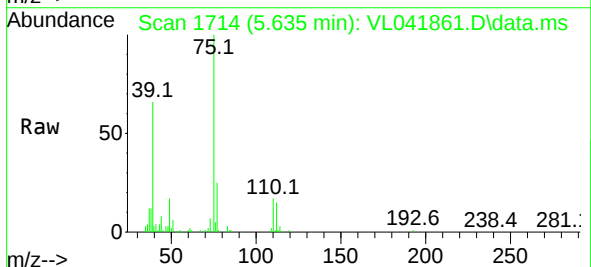
Manual Integrations
 APPROVED

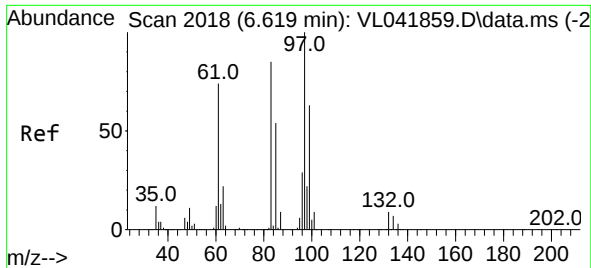
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



#46
 cis-1,3-Dichloropropene
 Concen: 1.660 ppbv m
 RT: 5.635 min Scan# 1714
 Delta R.T. 0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

Tgt Ion: 75 Resp: 27792
 Ion Ratio Lower Upper
 75 100
 39 66.0 63.3 94.9
 77 24.8 23.5 35.3





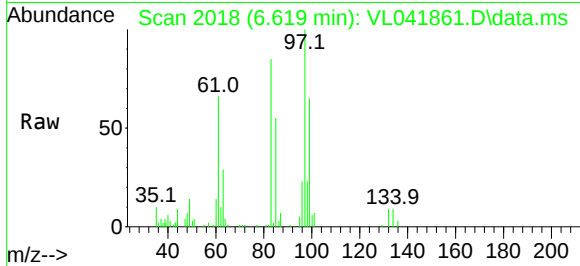
#47
1,1,2-Trichloroethane
Concen: 1.155 ppbv
RT: 6.619 min Scan# 2018
Delta R.T. 0.013 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

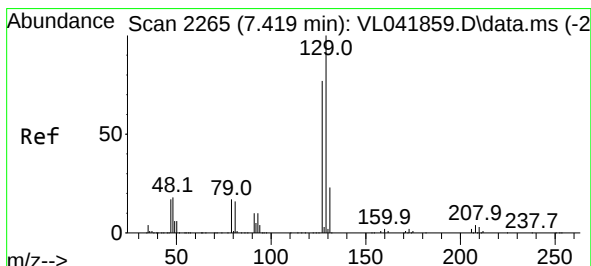
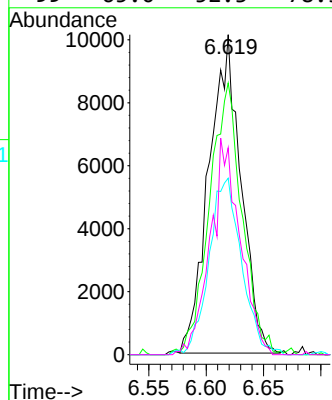
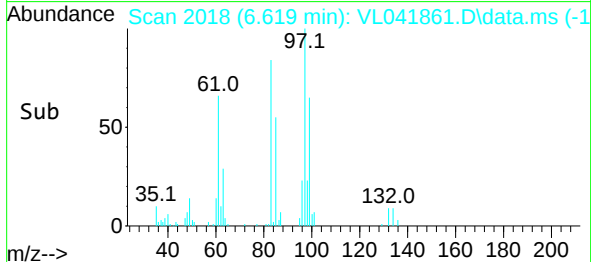


Tgt Ion: 97 Resp: 1962
Ion Ratio Lower Upper
97 100
83 84.4 70.3 105.5
85 54.0 41.5 62.3
99 65.0 52.3 78.5

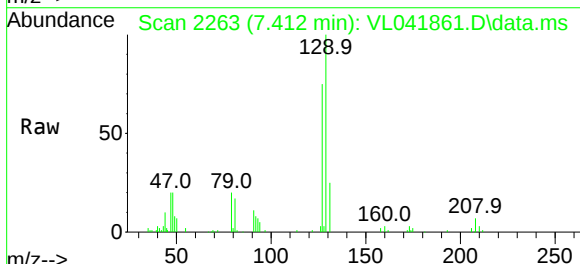
Manual Integrations

APPROVED

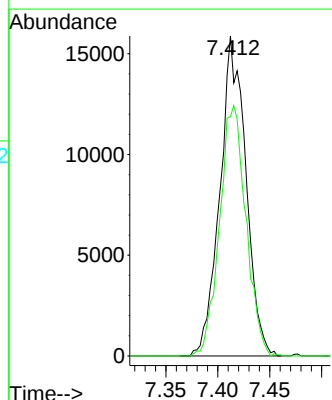
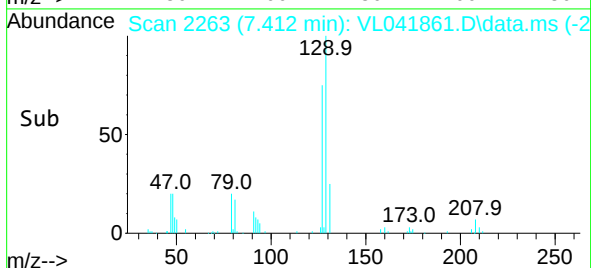
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

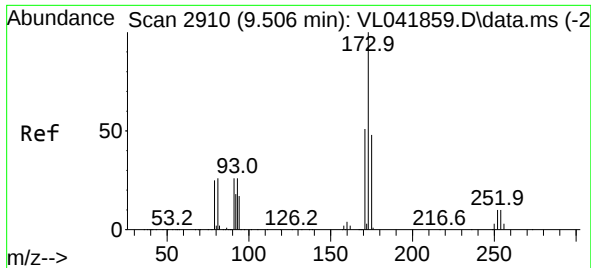


#48
Dibromochloromethane
Concen: 1.275 ppbv m
RT: 7.412 min Scan# 2263
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



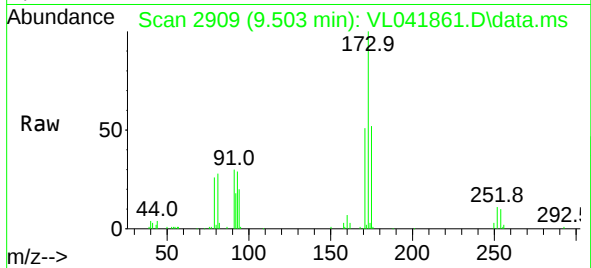
Tgt Ion:129 Resp: 27553
Ion Ratio Lower Upper
129 100
127 79.5 38.7 116.1





#49
Bromoform
Concen: 1.418 ppbv
RT: 9.503 min Scan# 2910
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

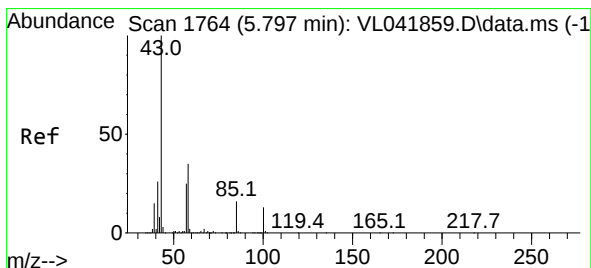
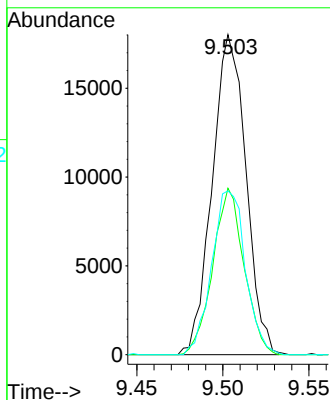
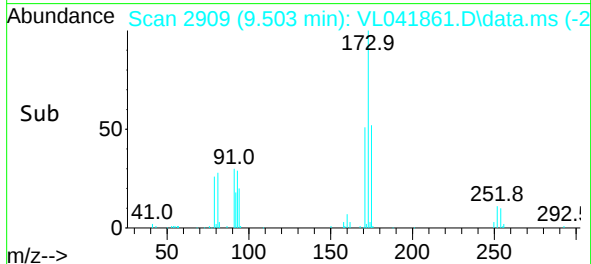
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



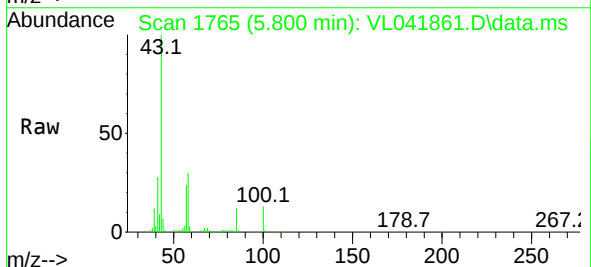
Tgt Ion:173 Resp: 24569
Ion Ratio Lower Upper
173 100
175 48.2 39.5 59.3
171 51.2 41.5 62.3

Manual Integrations
APPROVED

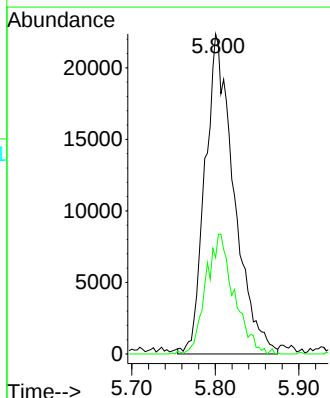
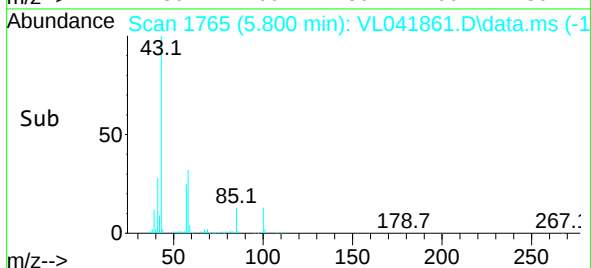
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

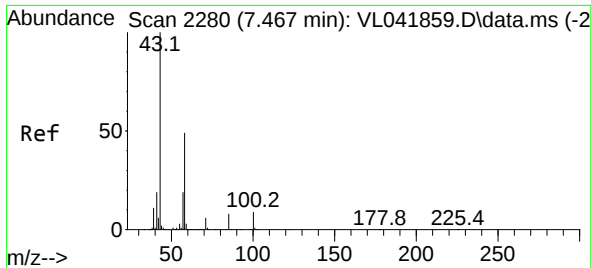


#50
4-Methyl-2-Pentanone
Concen: 1.359 ppbv m
RT: 5.800 min Scan# 1765
Delta R.T. 0.016 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



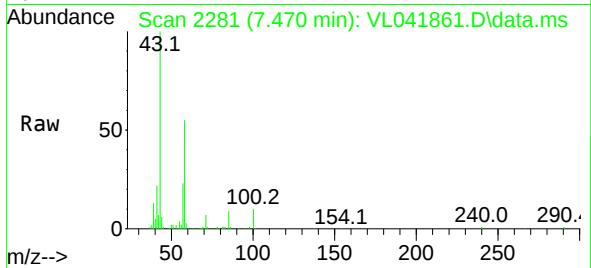
Tgt Ion: 43 Resp: 53757
Ion Ratio Lower Upper
43 100
58 36.6 25.7 38.5





#51
2-Hexanone
Concen: 1.440 ppbv m
RT: 7.470 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

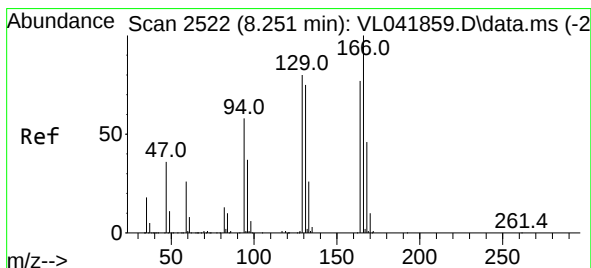
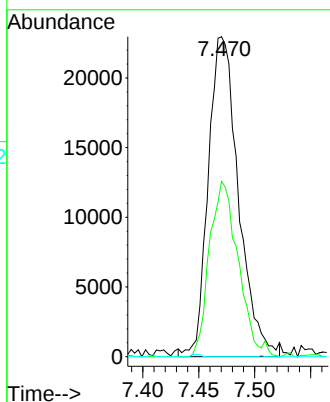
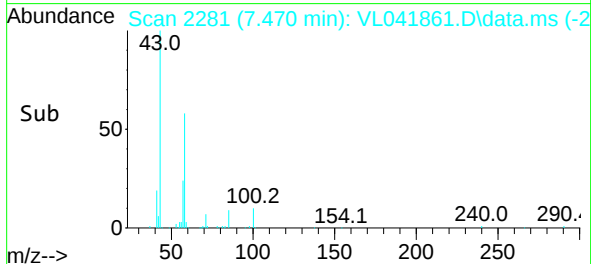
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 43 Resp: 43139
Ion Ratio Lower Upper
43 100
58 52.9 33.8 50.8
98 0.2 0.7 1.1

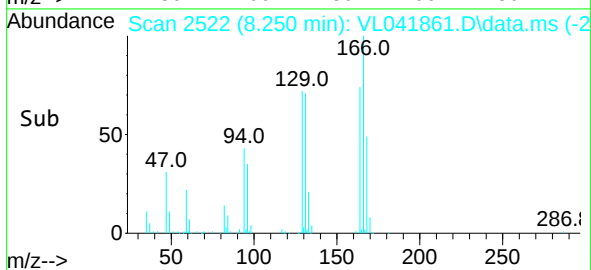
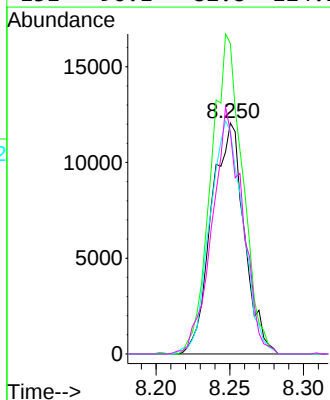
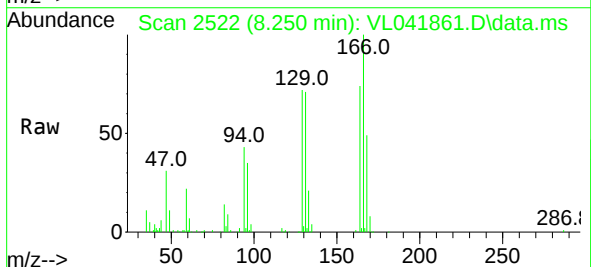
Manual Integrations
APPROVED

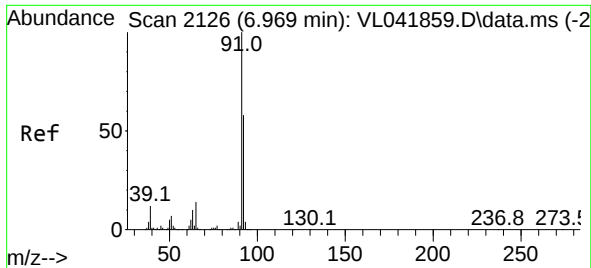
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#52
Tetrachloroethene
Concen: 1.516 ppbv
RT: 8.250 min Scan# 2522
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:164 Resp: 18665
Ion Ratio Lower Upper
164 100
166 134.5 100.4 150.6
129 96.5 85.9 128.9
131 96.1 82.8 124.2





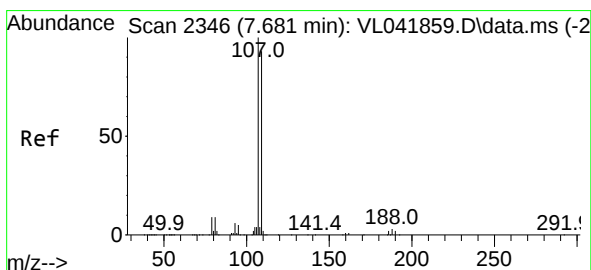
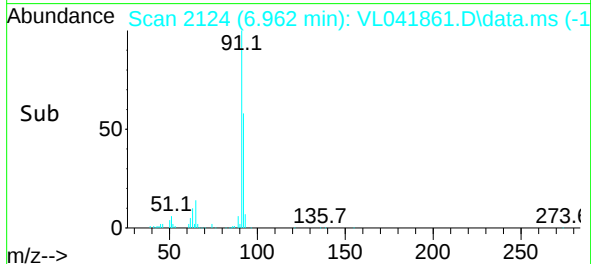
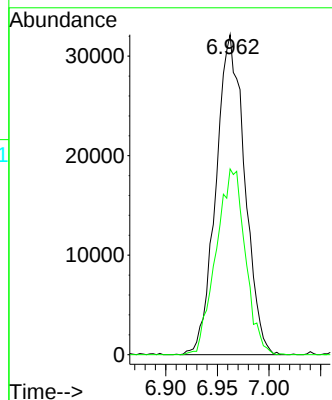
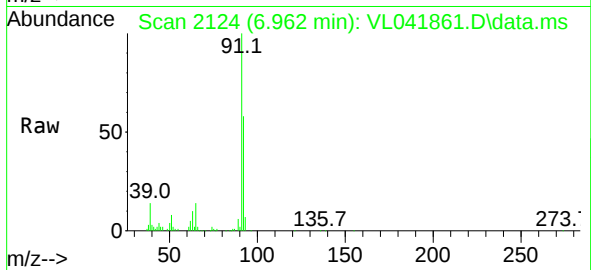
#53
Toluene
Concen: 1.685 ppbv
RT: 6.962 min Scan# 2124
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 62304
Ion Ratio Lower Upper
91 100
92 59.1 47.8 71.6

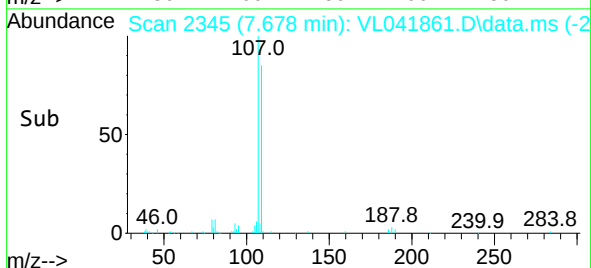
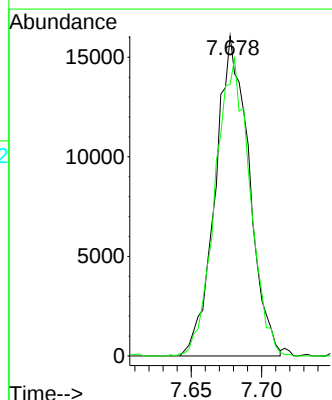
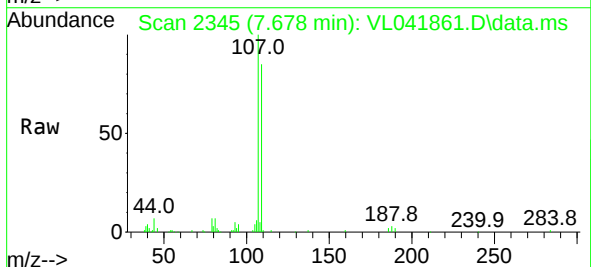
Manual Integrations
APPROVED

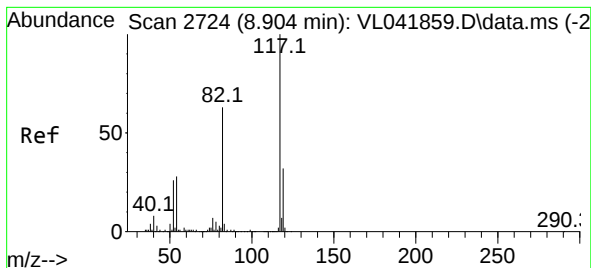
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#54
1,2-Dibromoethane
Concen: 1.287 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:107 Resp: 26769
Ion Ratio Lower Upper
107 100
109 84.1 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.904 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

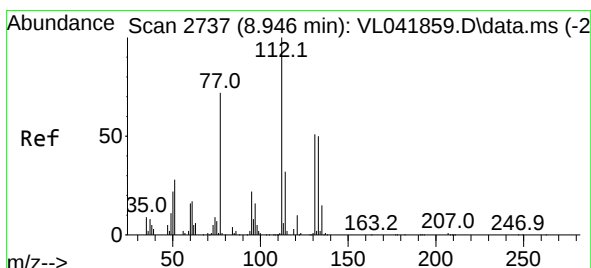
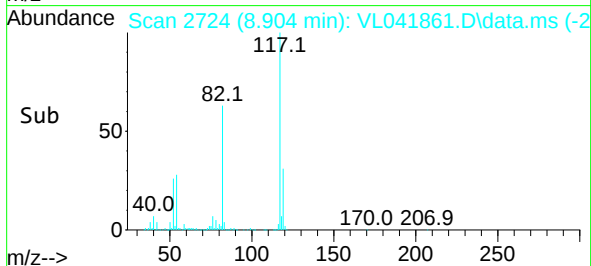
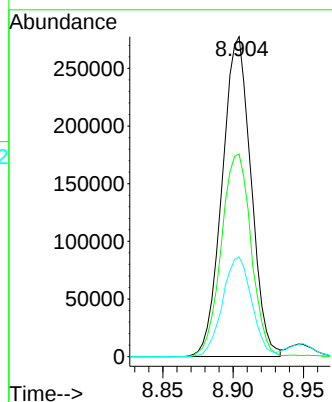
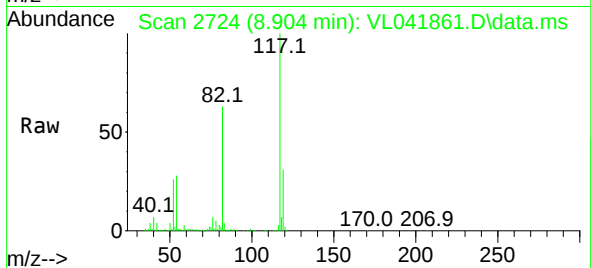
Tgt Ion:117 Resp: 39490

Ion	Ratio	Lower	Upper
117	100		
82	66.0	59.1	88.7
119	32.3	27.3	40.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 1.079 ppbv

RT: 8.946 min Scan# 2737

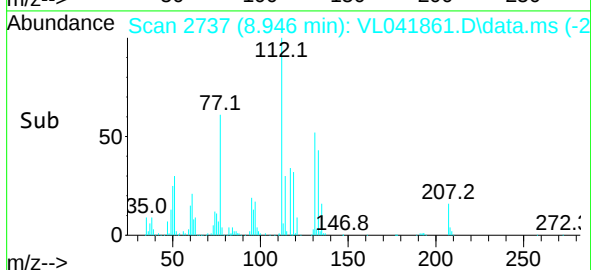
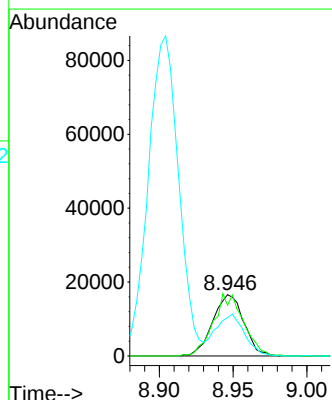
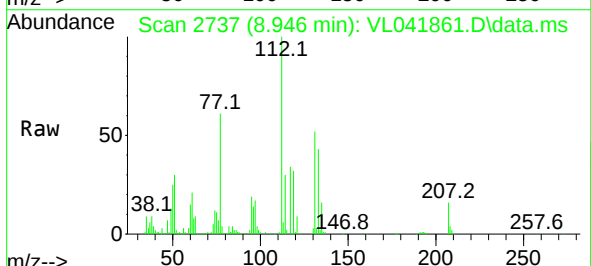
Delta R.T. 0.006 min

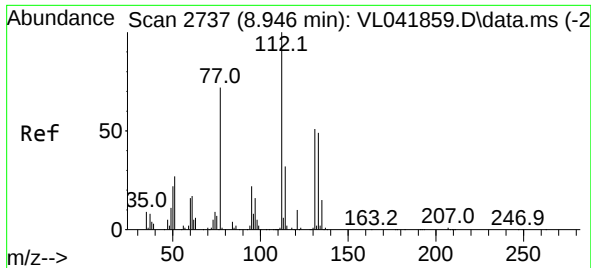
Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Tgt Ion:131 Resp: 24293

Ion	Ratio	Lower	Upper
131	100		
133	99.0	77.3	115.9
119	48.1	50.6	76.0





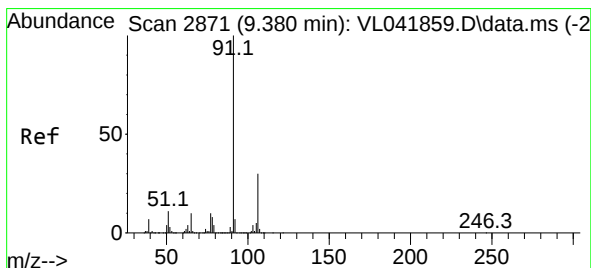
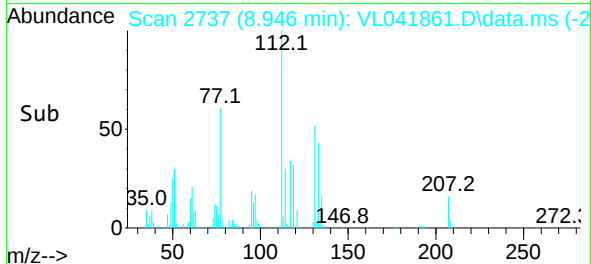
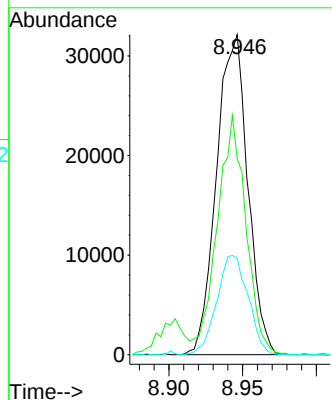
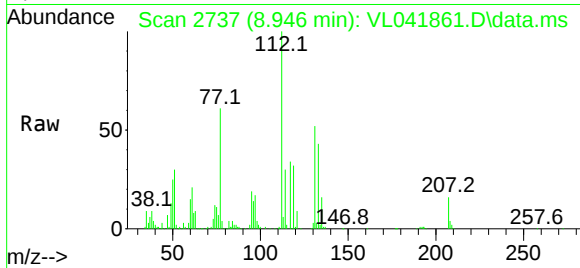
#57
Chlorobenzene
Concen: 1.146 ppbv
RT: 8.946 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 112 Resp: 4728
Ion Ratio Lower Upper
112 100
77 60.9 55.1 82.7
114 30.1 28.3 34.5

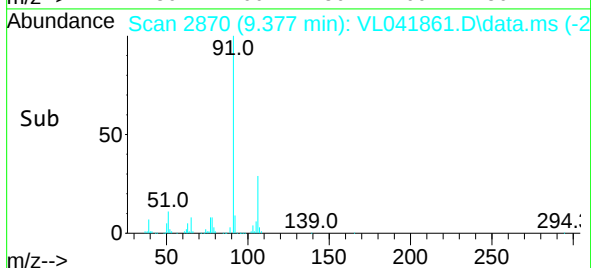
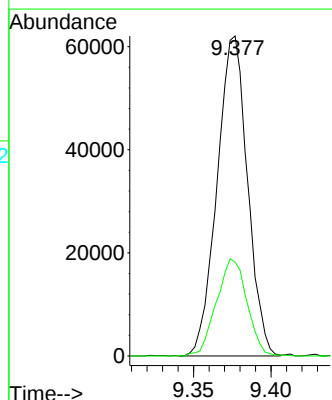
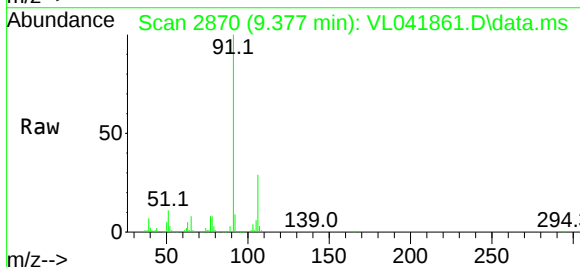
Manual Integrations
APPROVED

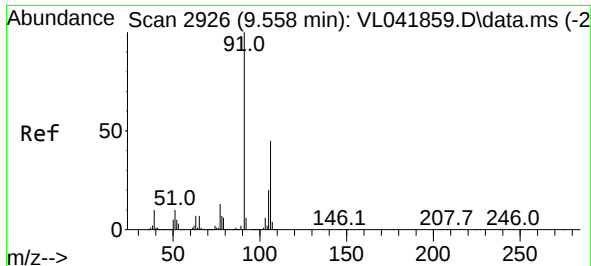
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#58
Ethyl Benzene
Concen: 1.575 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 91 Resp: 84795
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.8





#59

m/p-Xylene

Concen: 2.852 ppbv m

RT: 9.552 min Scan# 2926

Delta R.T. -0.013 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 13548

Ion Ratio Lower Upper

91 100

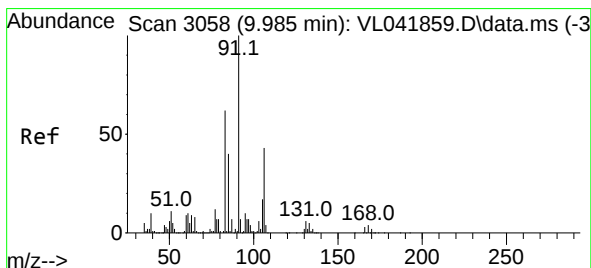
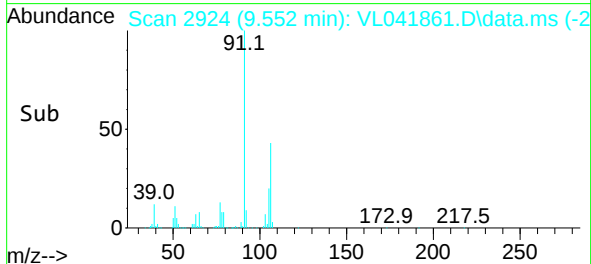
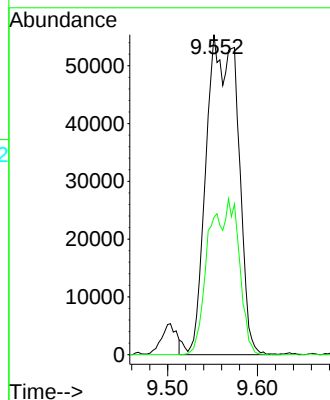
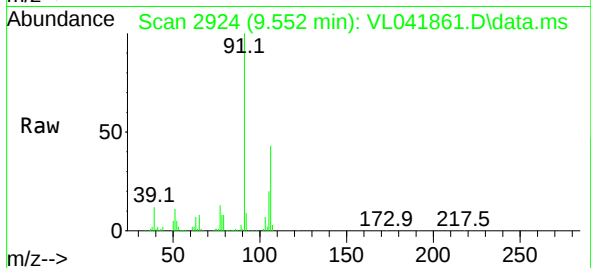
106 46.8 36.8 55.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#60

o-Xylene

Concen: 1.460 ppbv

RT: 9.982 min Scan# 3057

Delta R.T. 0.003 min

Lab File: VL041861.D

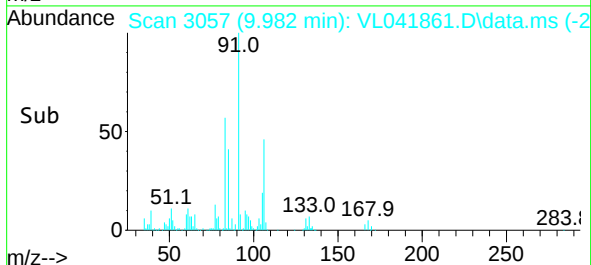
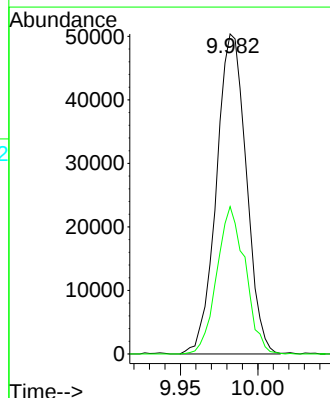
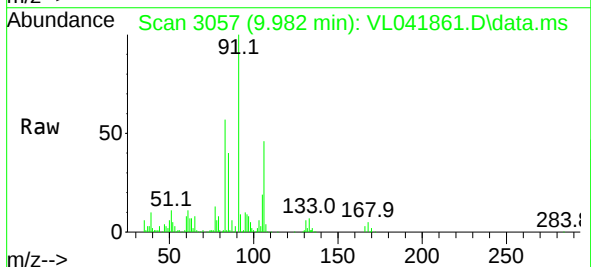
Acq: 09 Jan 2025 12:22

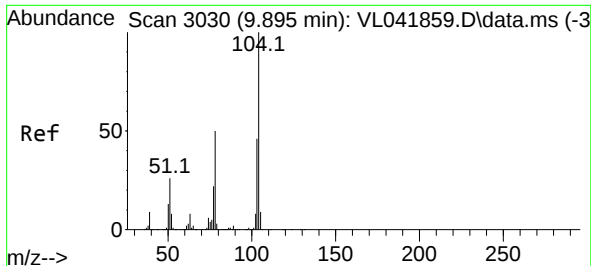
Tgt Ion: 91 Resp: 67480

Ion Ratio Lower Upper

91 100

106 43.9 21.9 65.5





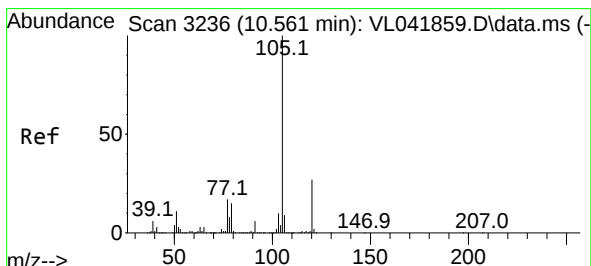
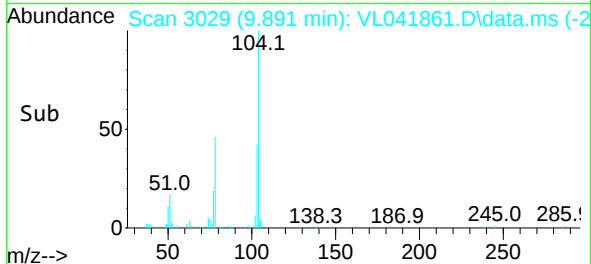
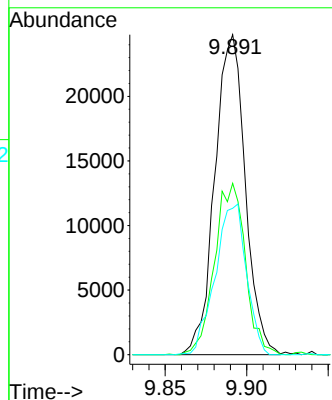
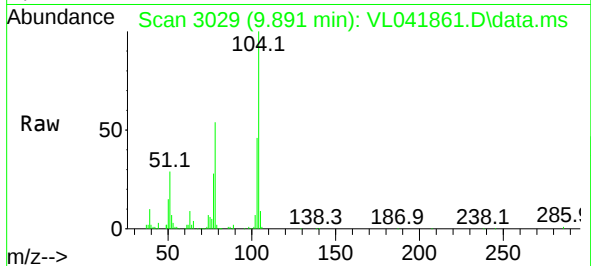
#61
Styrene
Concen: 1.795 ppbv
RT: 9.891 min Scan# 3030
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:104 Resp: 32180
Ion Ratio Lower Upper
104 100
78 54.3 42.8 64.2
103 48.2 37.8 56.6

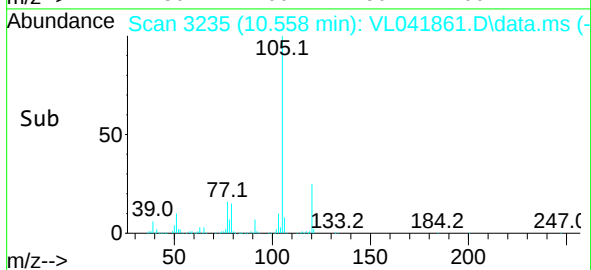
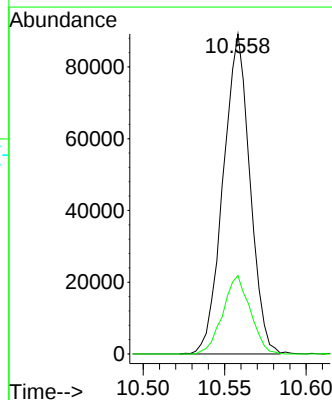
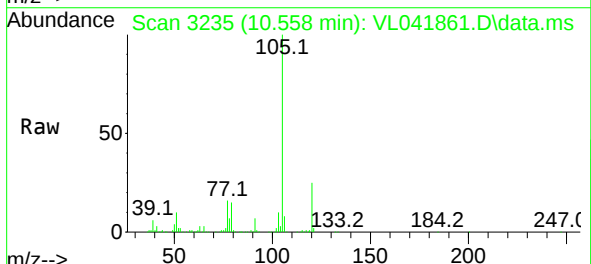
Manual Integrations
APPROVED

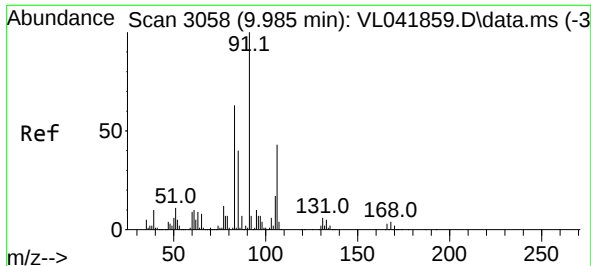
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#62
Isopropylbenzene
Concen: 1.402 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

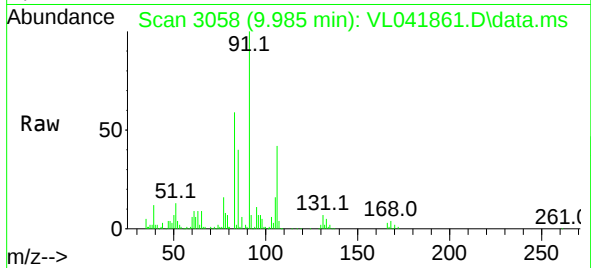
Tgt Ion:105 Resp: 101824
Ion Ratio Lower Upper
105 100
120 25.0 20.4 30.6





#63
1,1,2,2-Tetrachloroethane
Concen: 0.966 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

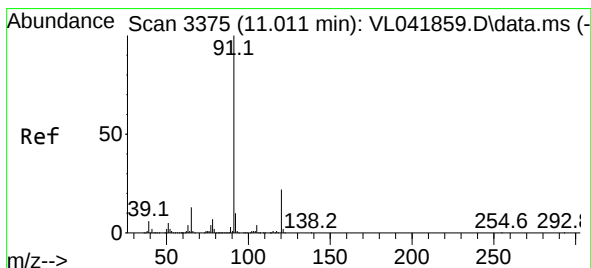
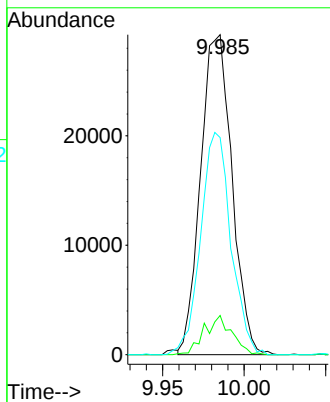
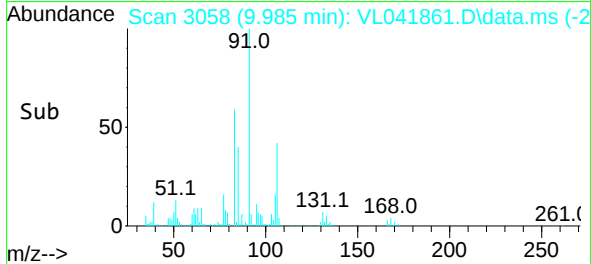
Instrument : MSVOA_L
ClientSampleId : VSTDIC001



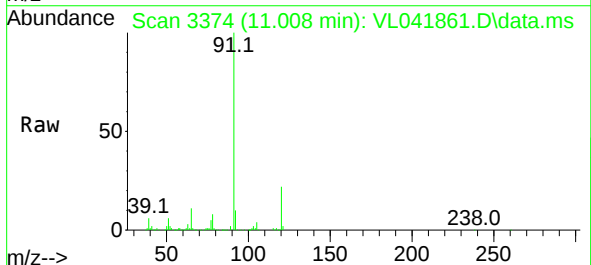
Tgt Ion: 83 Resp: 39140
Ion Ratio Lower Upper
83 100
131 10.8 4.8 14.3
85 67.1 31.9 95.9

Manual Integrations
APPROVED

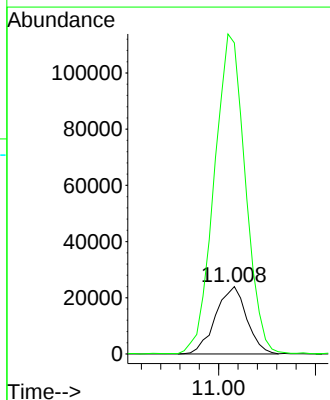
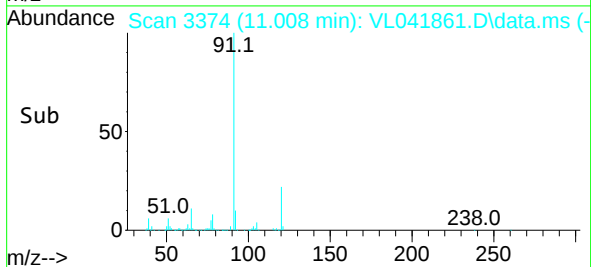
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

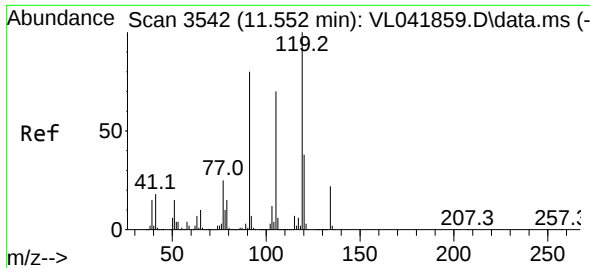


#64
n-propylbenzene
Concen: 1.430 ppbv
RT: 11.008 min Scan# 3374
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



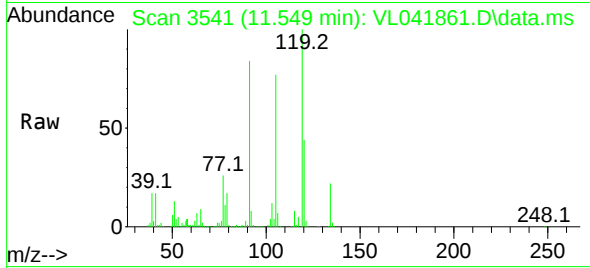
Tgt Ion:120 Resp: 26642
Ion Ratio Lower Upper
120 100
91 476.2 382.1 573.1





#65
tert-Butylbenzene
Concen: 1.457 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

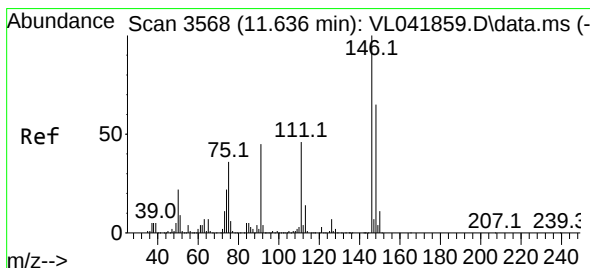
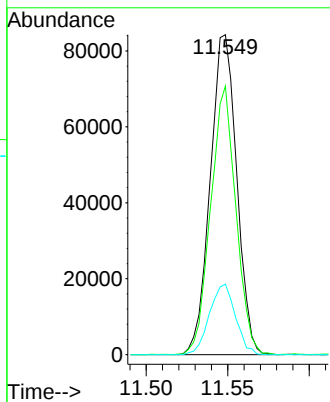
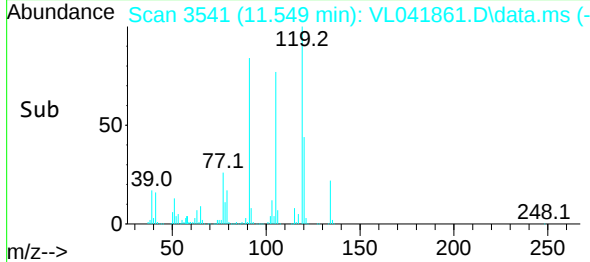
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC001



Tgt Ion: 119 Resp: 9530
Ion Ratio Lower Upper
119 100
91 80.1 68.0 102.0
134 21.6 16.2 24.4

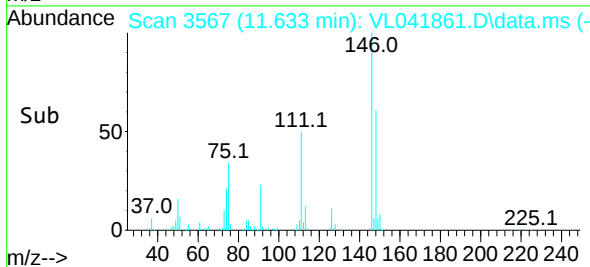
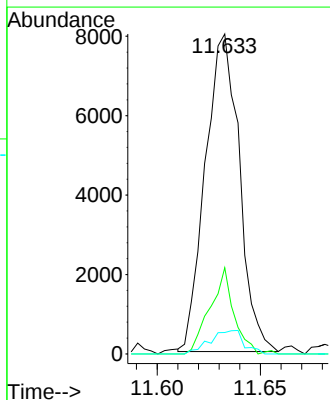
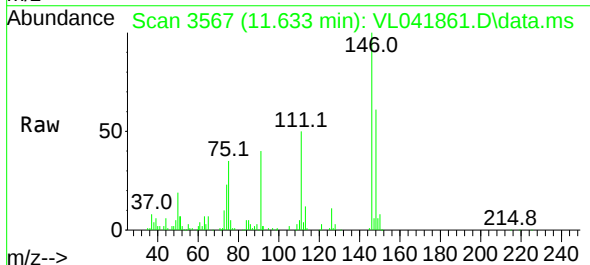
Manual Integrations
APPROVED

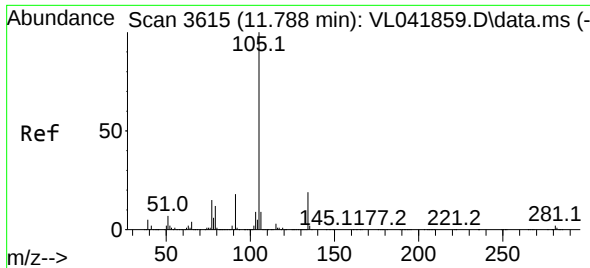
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#66
Benzyl Chloride
Concen: 1.679 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

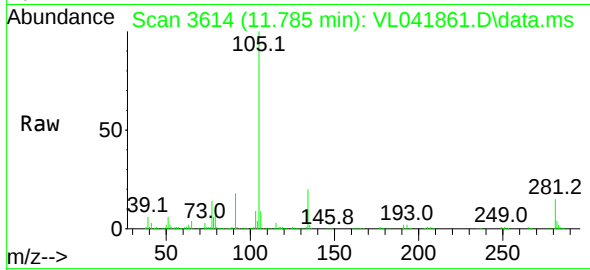
Tgt Ion: 91 Resp: 9179
Ion Ratio Lower Upper
91 100
126 19.2 12.1 18.1#
128 7.4 4.3 6.5#





#67
 sec-Butylbenzene
 Concen: 1.365 ppbv
 RT: 11.785 min Scan# 3614
 Delta R.T. 0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

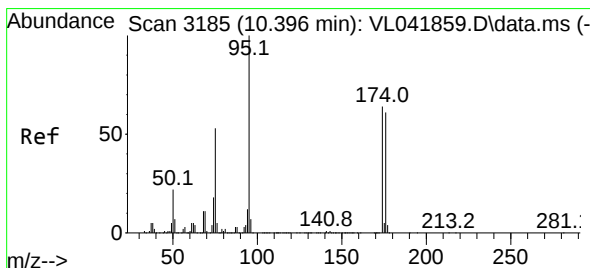
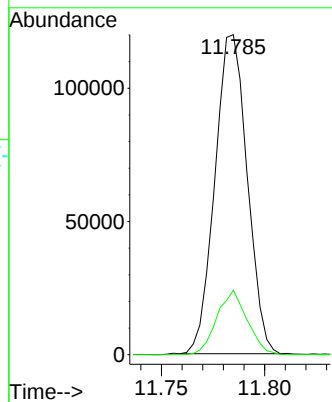
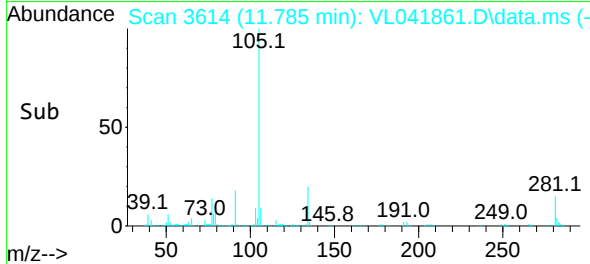
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



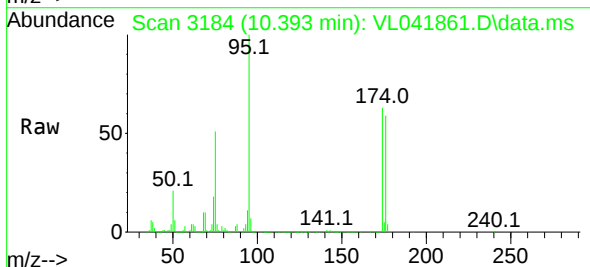
Tgt Ion:105 Resp: 130334
 Ion Ratio Lower Upper
 105 100
 134 19.0 14.6 22.0

Manual Integrations
 APPROVED

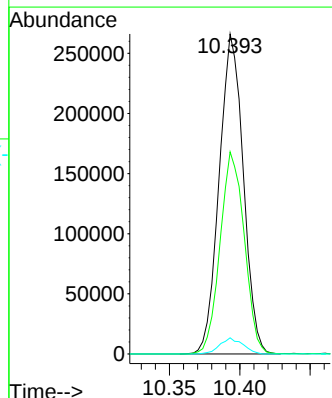
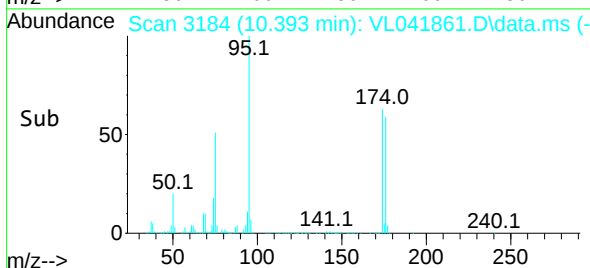
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

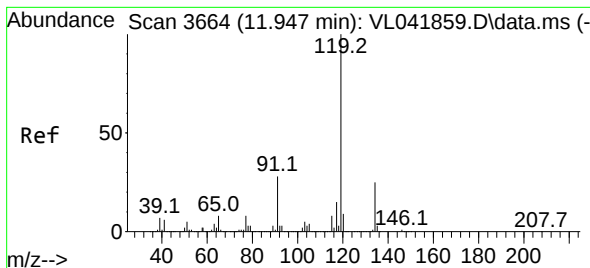


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.381 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. 0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22



Tgt Ion: 95 Resp: 317281
 Ion Ratio Lower Upper
 95 100
 174 63.5 47.6 71.4
 175 4.8 3.8 5.6





#69

p-Isopropyltoluene

Concen: 1.498 ppbv

RT: 11.943 min Scan# 3663

Delta R.T. 0.006 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:119 Resp: 112250

Ion Ratio Lower Upper

119 100

134 24.8 19.4 29.2

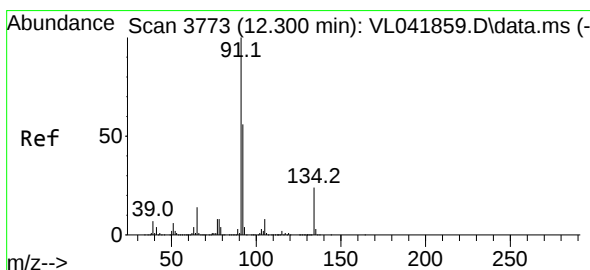
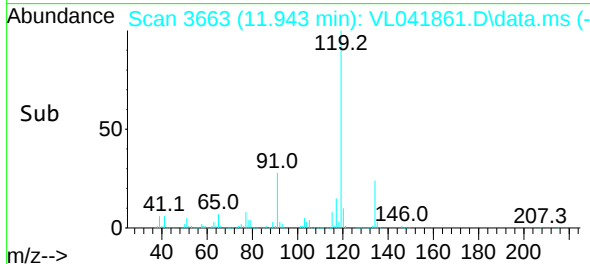
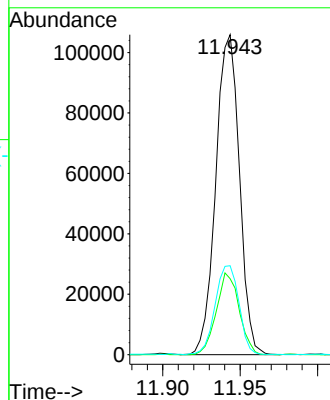
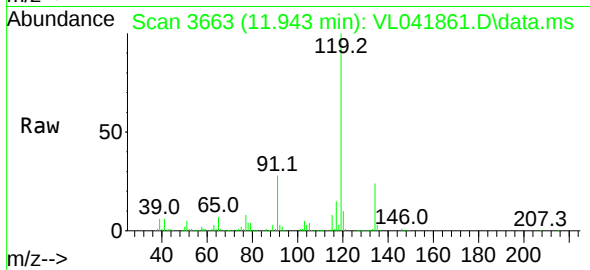
91 28.2 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#70

n-Butylbenzene

Concen: 1.486 ppbv

RT: 12.299 min Scan# 3773

Delta R.T. 0.006 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

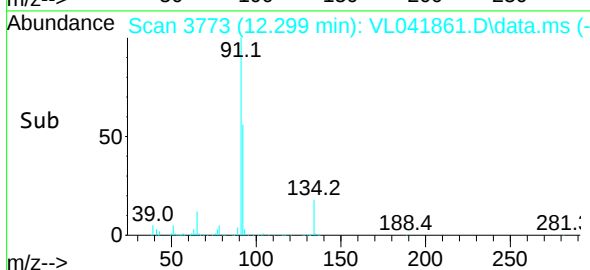
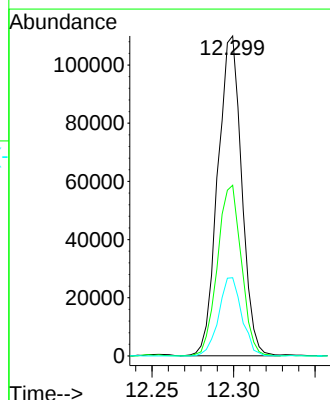
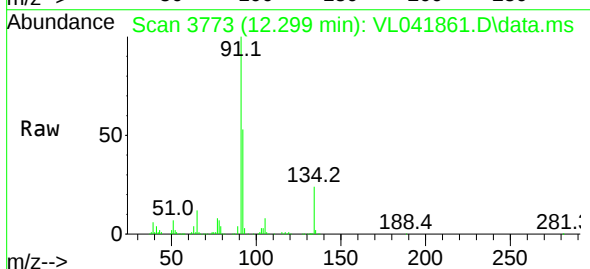
Tgt Ion: 91 Resp: 111884

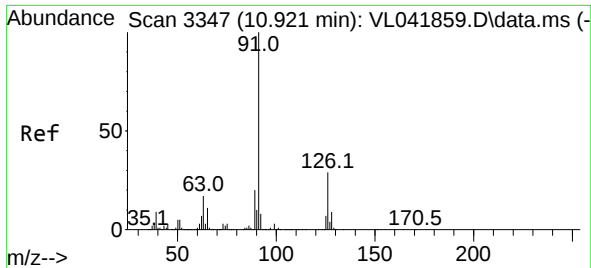
Ion Ratio Lower Upper

91 100

92 53.6 42.8 64.2

134 23.7 17.8 26.6





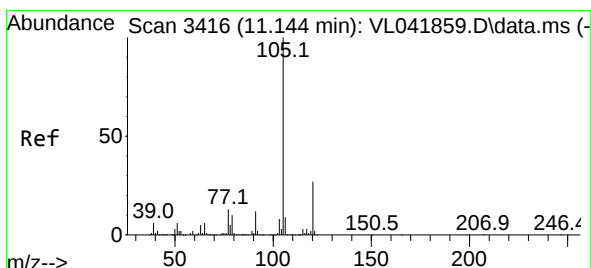
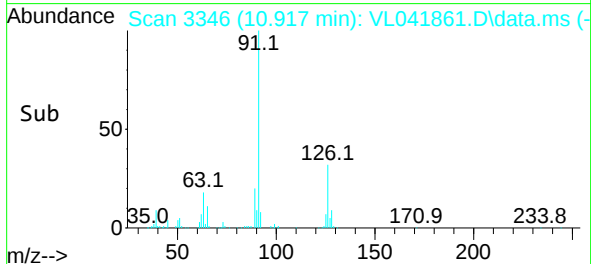
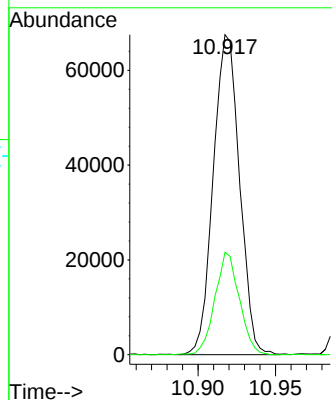
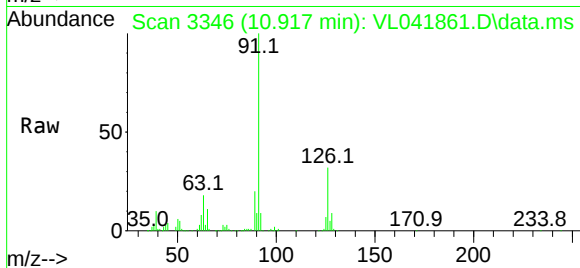
#71
2-Chlorotoluene
Concen: 1.510 ppbv
RT: 10.917 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 79598
Ion Ratio Lower Upper
91 100
126 29.7 11.6 46.6

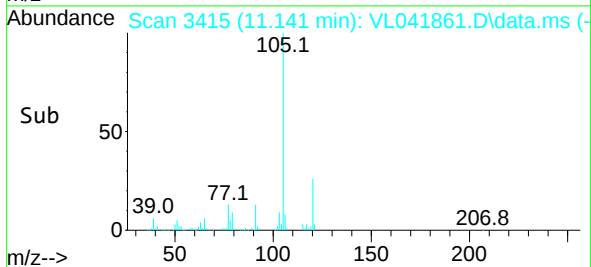
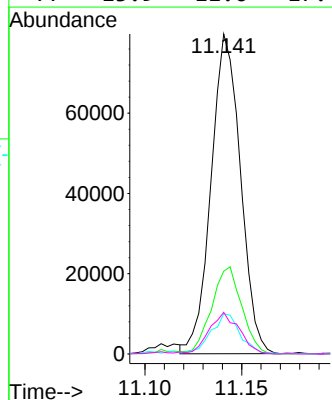
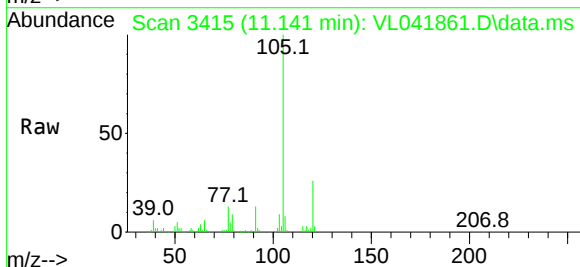
Manual Integrations
APPROVED

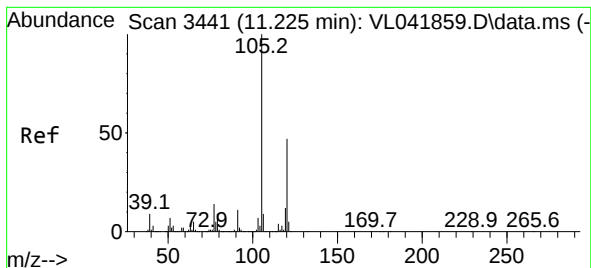
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#72
4-Ethyltoluene
Concen: 1.505 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:105 Resp: 84096
Ion Ratio Lower Upper
105 100
120 28.9 23.4 35.2
91 13.4 10.8 16.2
77 13.9 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 1.467 ppbv

RT: 11.222 min Scan# 3441

Delta R.T. 0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 7181

Ion Ratio Lower Upper

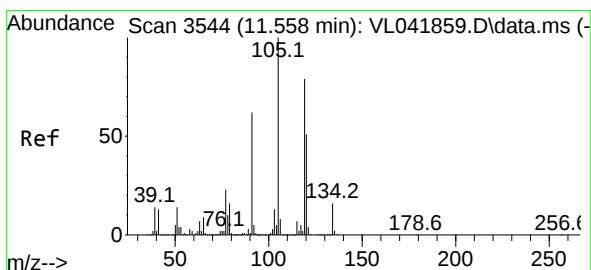
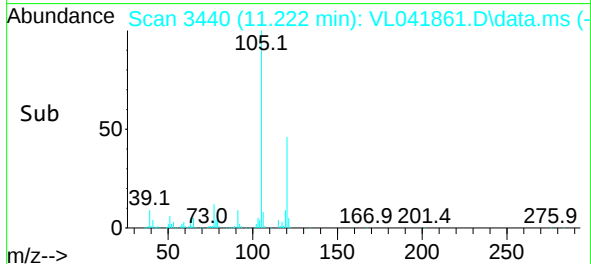
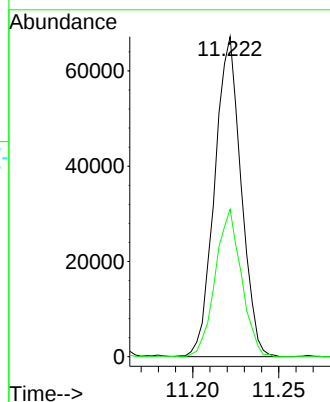
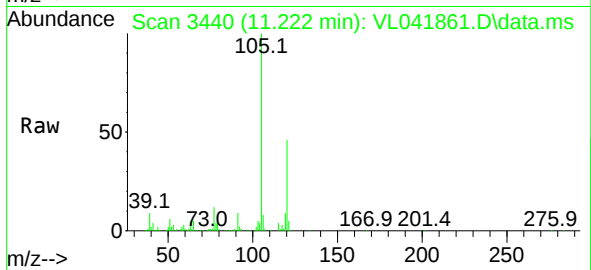
105 100

120 46.1 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#74

1,2,4-Trimethylbenzene

Concen: 1.394 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. -0.000 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Tgt Ion:105 Resp: 79018

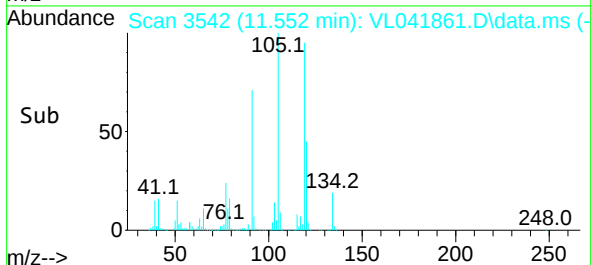
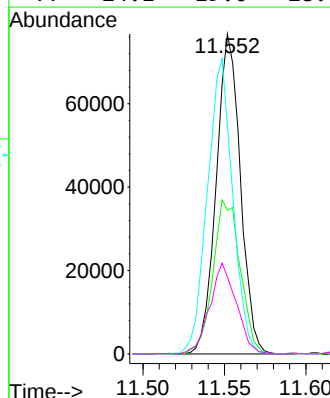
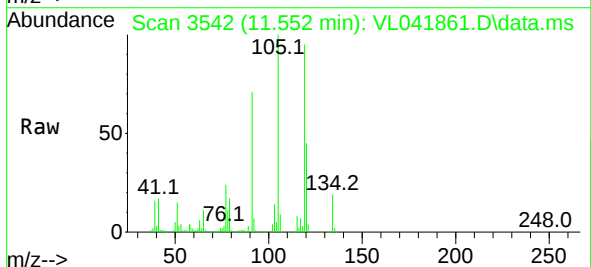
Ion Ratio Lower Upper

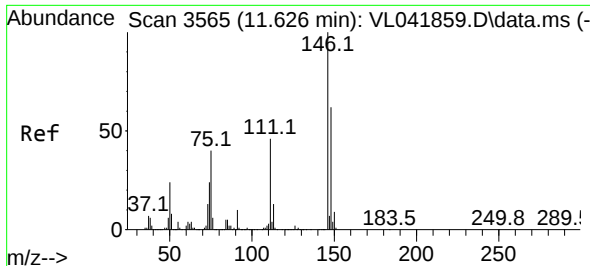
105 100

120 45.0 37.4 56.0

91 71.2 47.4 71.2#

77 24.1 19.0 28.6





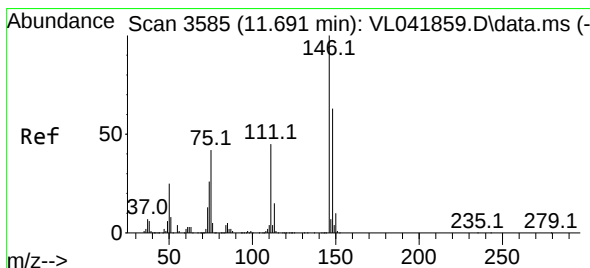
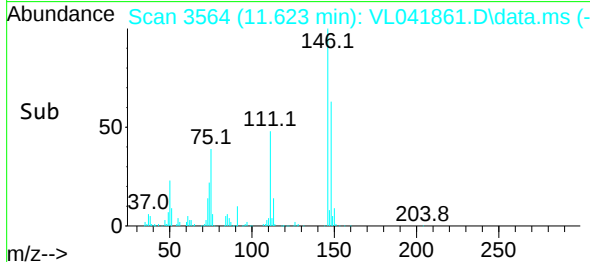
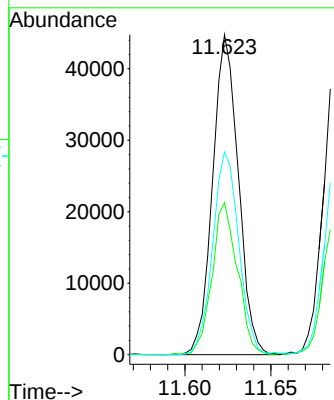
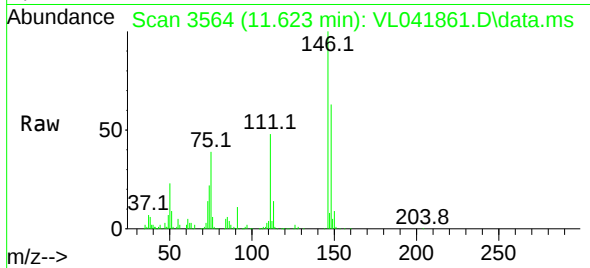
#75
1,3-Dichlorobenzene
Concen: 1.224 ppbv
RT: 11.623 min Scan# 3565
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:146 Resp: 46462
Ion Ratio Lower Upper
146 100
111 47.1 24.1 72.2
148 64.8 32.0 96.0

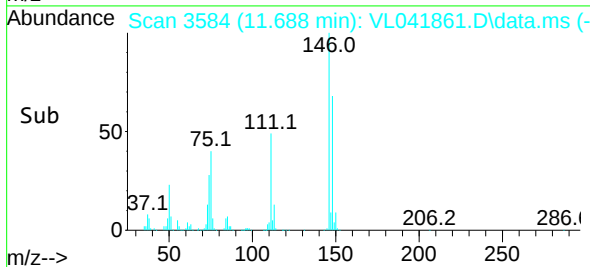
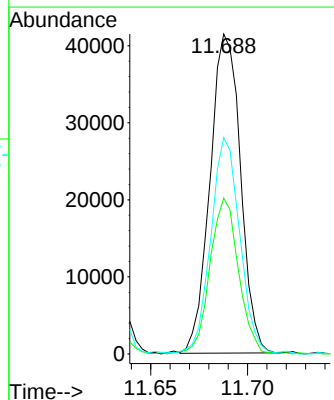
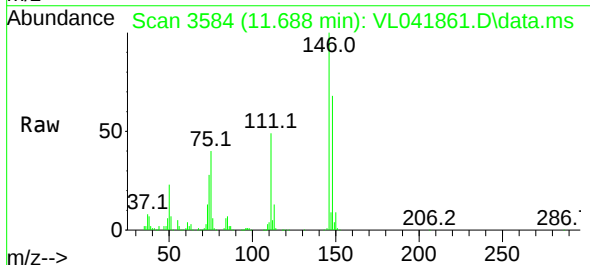
Manual Integrations
APPROVED

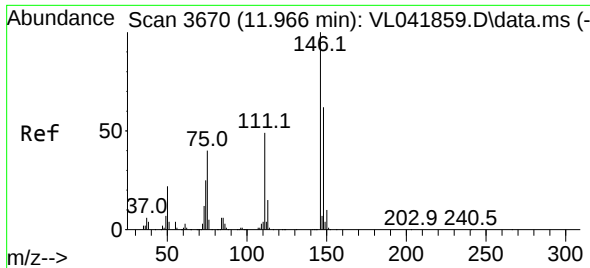
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#76
1,4-Dichlorobenzene
Concen: 1.241 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

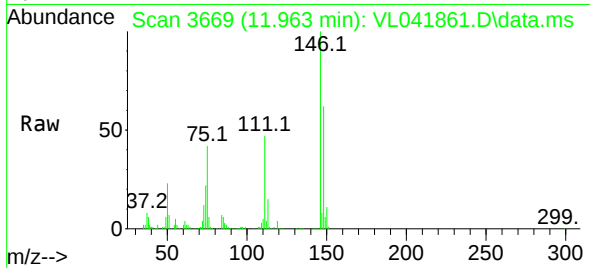
Tgt Ion:146 Resp: 45316
Ion Ratio Lower Upper
146 100
111 46.2 23.2 69.6
148 65.5 32.1 96.3





#77
1,2-Dichlorobenzene
Concen: 1.115 ppbv
RT: 11.963 min Scan# 3669
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

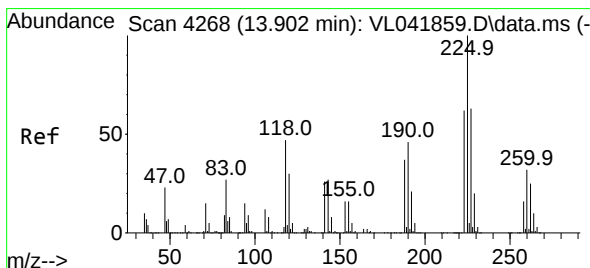
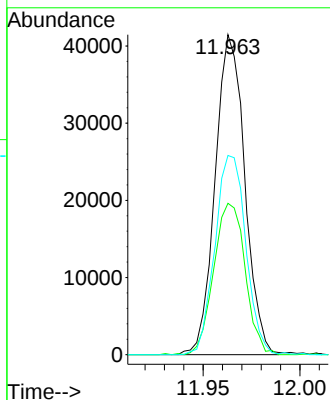
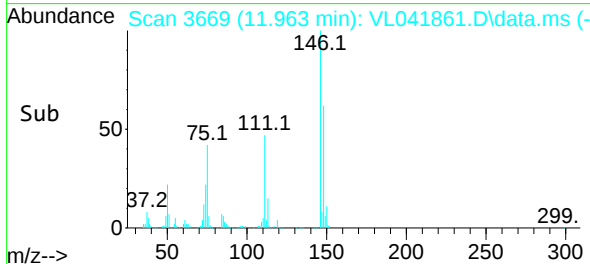
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001



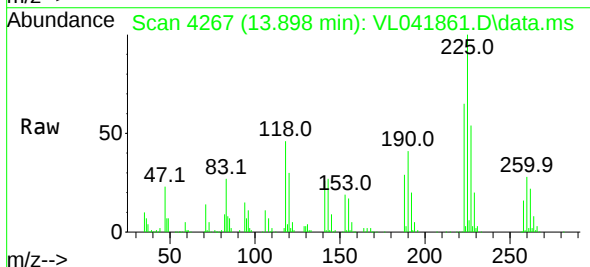
Tgt Ion:146 Resp: 4410
Ion Ratio Lower Upper
146 100
111 50.4 24.7 74.1
148 65.3 31.5 94.5

Manual Integrations
APPROVED

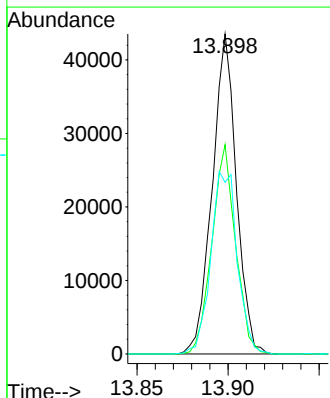
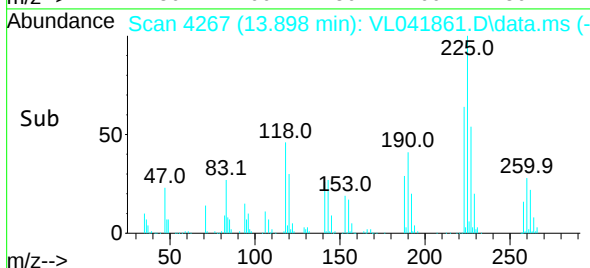
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

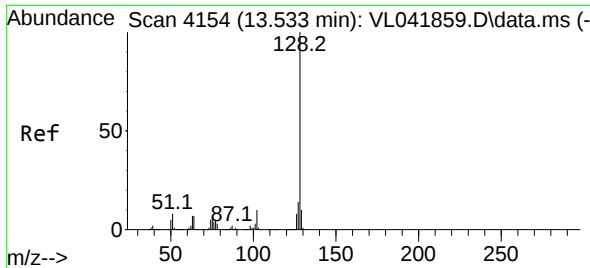


#78
Hexachloro-1,3-Butadiene
Concen: 1.428 ppbv
RT: 13.898 min Scan# 4267
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



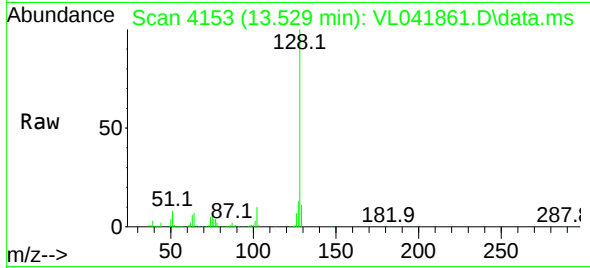
Tgt Ion:225 Resp: 40100
Ion Ratio Lower Upper
225 100
223 64.0 50.4 75.6
227 62.5 51.2 76.8





#79
Naphthalene
Concen: 2.069 ppbv
RT: 13.529 min Scan# 4154
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

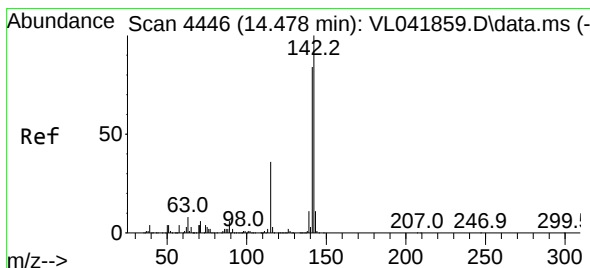
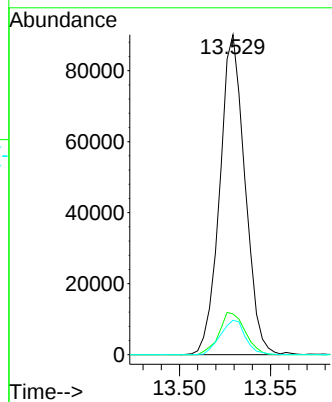
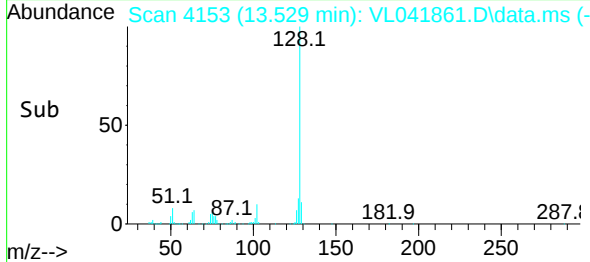
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



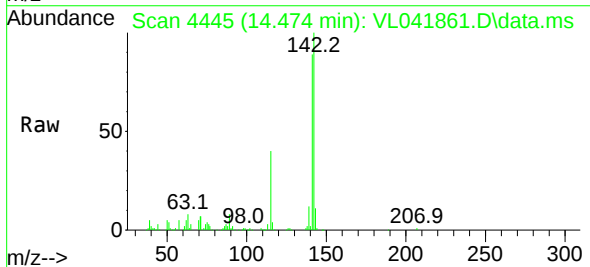
Tgt Ion:128 Resp: 86398
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 10.8 8.2 12.4

Manual Integrations
APPROVED

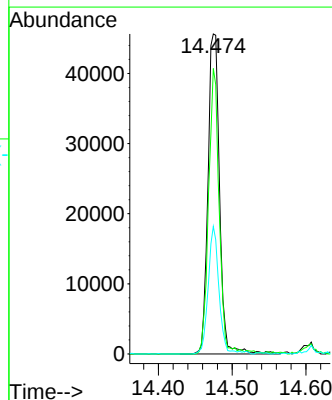
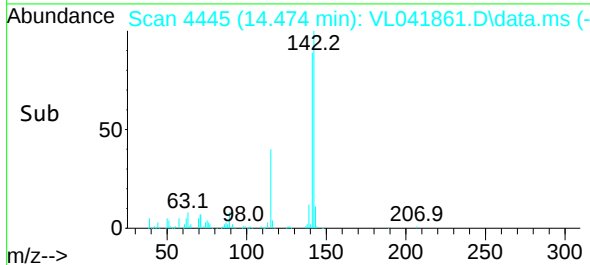
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

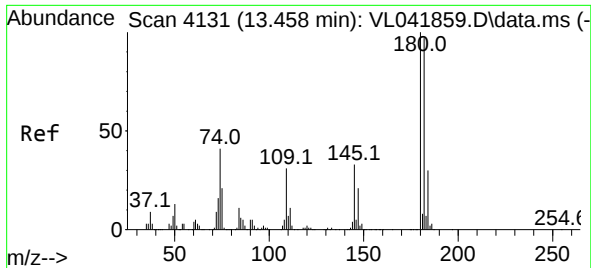


#80
Naphthalene,2-methyl-
Concen: 3.222 ppbv
RT: 14.474 min Scan# 4445
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



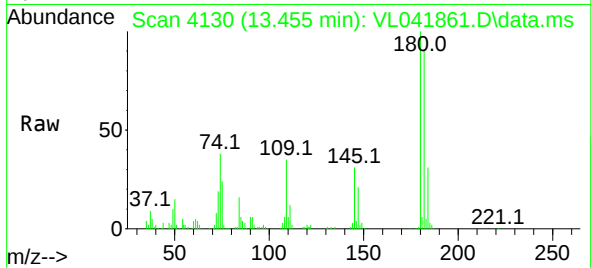
Tgt Ion:142 Resp: 49807
Ion Ratio Lower Upper
142 100
141 81.3 67.8 101.6
115 37.6 32.7 49.1





#81
1,2,4-Trichlorobenzene
Concen: 1.844 ppbv
RT: 13.455 min Scan# 4130
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion:180 Resp: 42679
Ion Ratio Lower Upper
180 100
182 94.2 75.9 113.9
184 29.4 24.8 37.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

