

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041862.D
 Acq On : 09 Jan 2025 12:53
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Jan 09 13:33:10 2025

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

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

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

Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	2.803	49	143127	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.985	114	429322	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	397287	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.396 95 320213 9.411 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	12809	0.545	ppbv	97
3) Chlorodifluoromethane	1.483	51	14172	0.632	ppbv	98
4) Chloromethane	1.541	50	4728	0.490	ppbv #	79
5) Vinyl Chloride	1.589	62	4803	0.493	ppbv	97
6) Bromomethane	1.674	94	2791	0.669	ppbv #	81
7) Chloroethane	1.716	64	2059	0.549	ppbv	94
8) Dichlorotetrafluoroethane	1.564	85	10699	0.528	ppbv	93
9) Propene	1.489	41	6731	0.862	ppbv	90
10) Heptane	5.011	43	17661m	0.915	ppbv	
11) Trichlorofluoromethane	1.887	101	13013	0.545	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.153	101	10592	0.596	ppbv	90
13) Ethanol	1.732	45	533m	0.600	ppbv	
14) Bromoethene	1.790	108	3822	0.656	ppbv #	90
15) Acetone	1.848	43	15259	0.579	ppbv #	83
16) 1,3-Butadiene	1.619	39	7024	0.680	ppbv	98
17) tert-Butyl alcohol	2.056	59	14992	0.657	ppbv #	93
18) 1,1-Dichloroethene	2.046	96	4883	0.656	ppbv #	88
19) Isopropyl Alcohol	1.900	45	7509	0.607	ppbv #	95
20) Methylene Chloride	2.075	84	4849	0.644	ppbv	96
21) Allyl Chloride	2.107	41	8675	0.639	ppbv #	91
22) trans-1,2-Dichloroethene	2.357	96	5632	0.677	ppbv	83
23) Vinyl Acetate	2.473	43	5348m	0.633	ppbv	
24) 1,1-Dichloroethane	2.421	63	10611	0.583	ppbv	98
25) Ethyl Acetate	2.855	43	31455	0.712	ppbv #	97
26) Hexane	2.845	57	13451	0.877	ppbv	86
27) Carbon Disulfide	2.162	76	12466	0.856	ppbv #	62
28) Methyl tert-Butyl Ether	2.460	73	10251	0.887	ppbv #	79
29) Chloroform	2.865	83	18316	0.643	ppbv	93
30) Cyclohexane	3.884	84	11047m	0.949	ppbv	
31) cis-1,2-Dichloroethene	2.735	61	13045	0.826	ppbv	90
32) 1,1,1-Trichloroethane	3.389	97	17819	0.690	ppbv	95
34) 2-Butanone	2.577	43	19019	0.562	ppbv	96
35) Carbon Tetrachloride	3.787	117	15737	0.485	ppbv	96
36) Benzene	3.680	78	25621	0.625	ppbv #	92
37) 1,2-Dichloroethane	3.237	62	14429	0.535	ppbv #	90
38) Trichloroethene	4.577	130	10721m	0.667	ppbv	
39) 1,2-Dichloropropane	4.350	63	9384m	0.591	ppbv	
40) 1,4-Dioxane	4.638	88	4958m	0.806	ppbv	
41) Tetrahydrofuran	3.085	42	11404	0.715	ppbv #	92
42) Bromodichloromethane	4.525	83	18000	0.569	ppbv #	97
43) Methyl Methacrylate	4.923	69	10965m	0.851	ppbv	
44) 2,2,4-Trimethylpentane	4.668	57	44153m	0.653	ppbv	
45) t-1,3-Dichloropropene	6.451	75	10609	0.844	ppbv #	88

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041862.D
 Acq On : 09 Jan 2025 12:53
 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 :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 13:33:10 2025

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

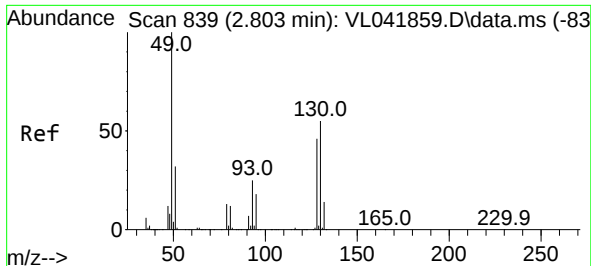
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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	5.642	75	13758	0.832	ppbv	89
47) 1,1,2-Trichloroethane	6.626	97	9885m	0.589	ppbv	
48) Dibromochloromethane	7.419	129	13671	0.640	ppbv	99
49) Bromoform	9.510	173	11202	0.654	ppbv	98
50) 4-Methyl-2-Pentanone	5.810	43	26751m	0.685	ppbv	
51) 2-Hexanone	7.480	43	22189	0.750	ppbv #	90
52) Tetrachloroethene	8.254	164	9543	0.785	ppbv #	88
53) Toluene	6.966	91	30969	0.847	ppbv	98
54) 1,2-Dibromoethane	7.684	107	13281	0.646	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.950	131	12299	0.543	ppbv	92
57) Chlorobenzene	8.946	112	23264	0.560	ppbv #	95
58) Ethyl Benzene	9.380	91	41863	0.773	ppbv	90
59) m/p-Xylene	9.555	91	66716m	1.396	ppbv	
60) o-Xylene	9.985	91	34021	0.732	ppbv	99
61) Styrene	9.891	104	16798	0.931	ppbv	99
62) Isopropylbenzene	10.558	105	50575	0.692	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.985	83	20172	0.495	ppbv	97
64) n-propylbenzene	11.008	120	13351	0.712	ppbv	96
65) tert-Butylbenzene	11.552	119	46079	0.700	ppbv	97
66) Benzyl Chloride	11.633	91	4858	0.883	ppbv	99
67) sec-Butylbenzene	11.788	105	65001	0.677	ppbv	96
69) p-Isopropyltoluene	11.944	119	53789	0.713	ppbv	99
70) n-Butylbenzene	12.300	91	55556	0.733	ppbv	99
71) 2-Chlorotoluene	10.921	91	40116	0.757	ppbv	99
72) 4-Ethyltoluene	11.144	105	40352	0.718	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	34365	0.698	ppbv	92
74) 1,2,4-Trimethylbenzene	11.555	105	37910	0.665	ppbv #	82
75) 1,3-Dichlorobenzene	11.626	146	23642	0.619	ppbv	95
76) 1,4-Dichlorobenzene	11.691	146	23242	0.633	ppbv	98
77) 1,2-Dichlorobenzene	11.966	146	22337	0.561	ppbv	99
78) Hexachloro-1,3-Butadiene	13.902	225	19853	0.703	ppbv	97
79) Naphthalene	13.533	128	42331	1.007	ppbv #	95
80) Naphthalene,2-methyl-	14.478	142	23524	1.513	ppbv	96
81) 1,2,4-Trichlorobenzene	13.458	180	19980	0.858	ppbv	97

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



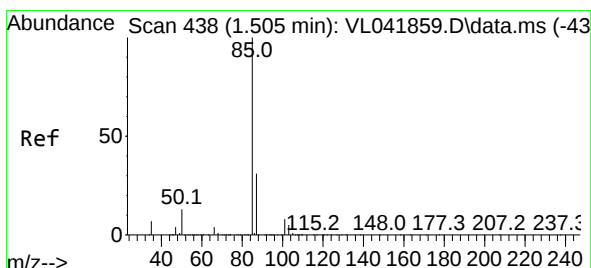
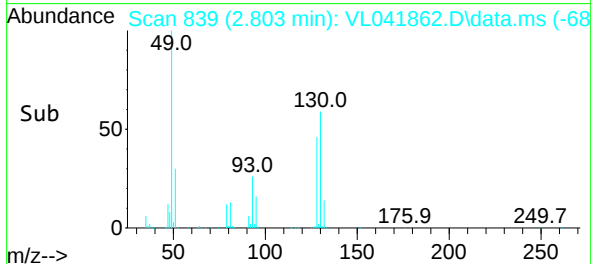
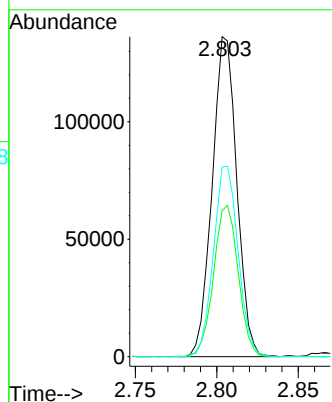
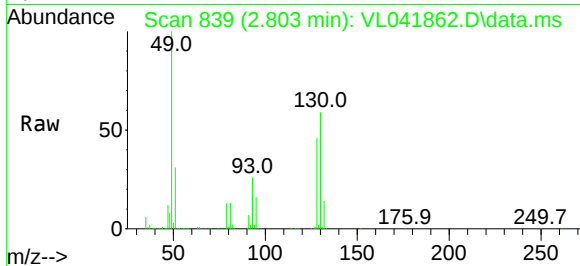
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 839
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 49 Resp: 14312
Ion Ratio Lower Upper
49 100
128 47.3 19.7 59.1
130 59.7 26.4 79.2

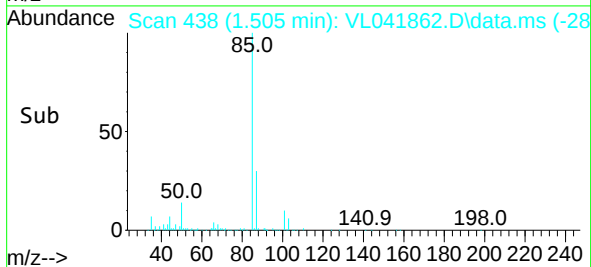
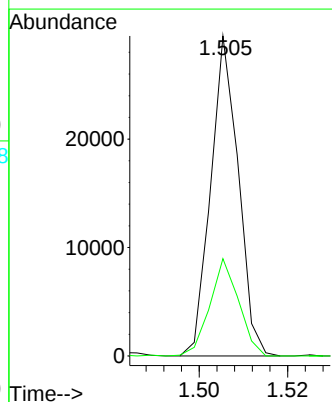
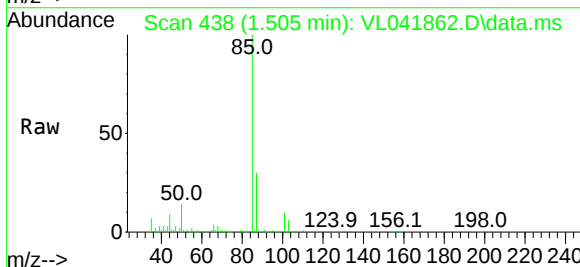
Manual Integrations
APPROVED

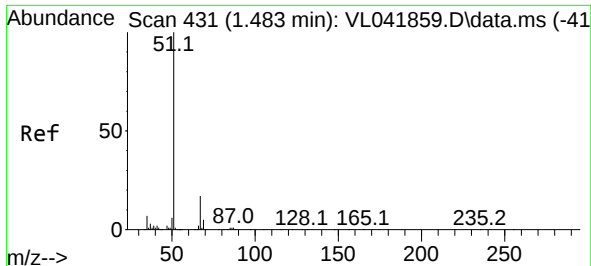
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#2
Dichlorodifluoromethane
Concen: 0.545 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

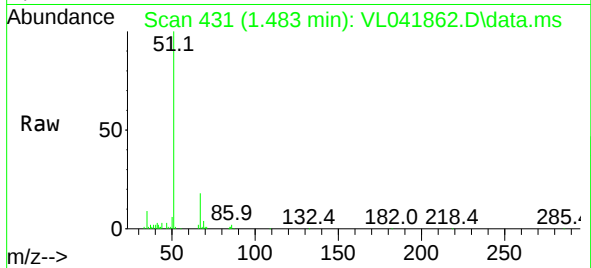
Tgt Ion: 85 Resp: 12809
Ion Ratio Lower Upper
85 100
87 30.4 25.6 38.4





#3
Chlorodifluoromethane
Concen: 0.632 ppbv
RT: 1.483 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

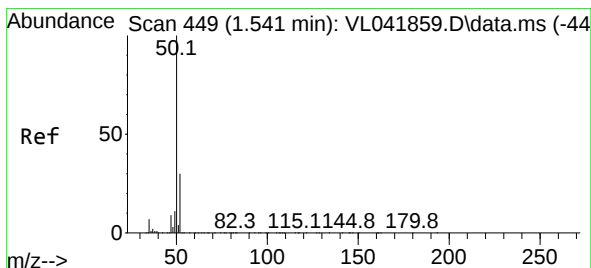
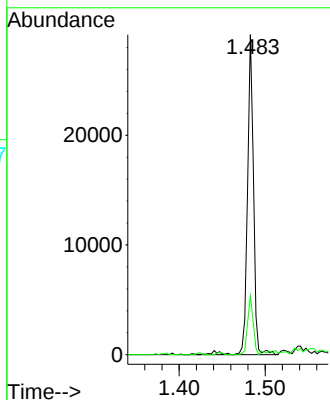
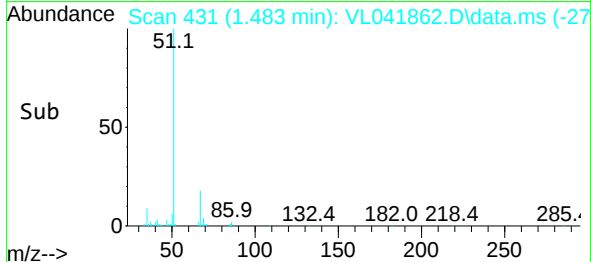
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



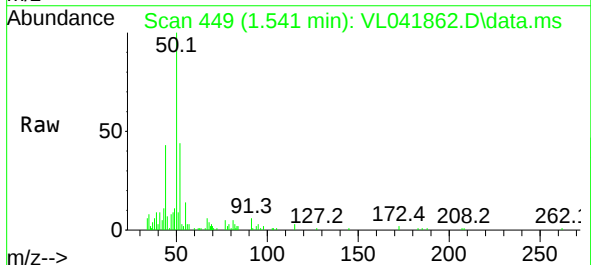
Tgt Ion: 51 Resp: 14172
Ion Ratio Lower Upper
51 100
67 19.3 14.6 22.0

Manual Integrations
APPROVED

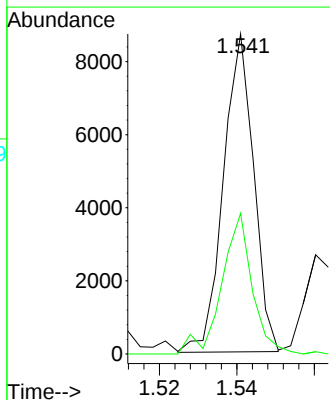
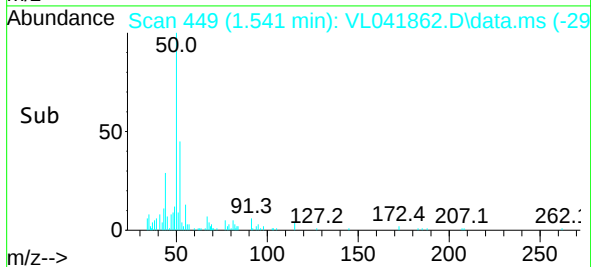
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

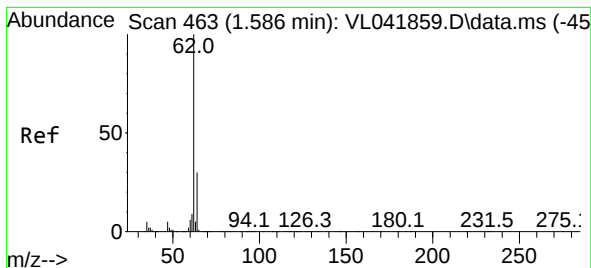


#4
Chloromethane
Concen: 0.490 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



Tgt Ion: 50 Resp: 4728
Ion Ratio Lower Upper
50 100
52 44.3 26.1 39.1#





#5

Vinyl Chloride

Concen: 0.493 ppbv

RT: 1.589 min Scan# 40

Delta R.T. 0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 62 Resp: 480

Ion Ratio Lower Upper

62 100

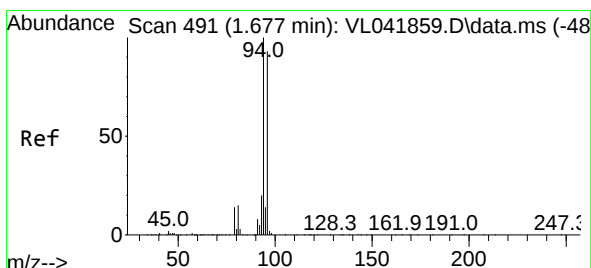
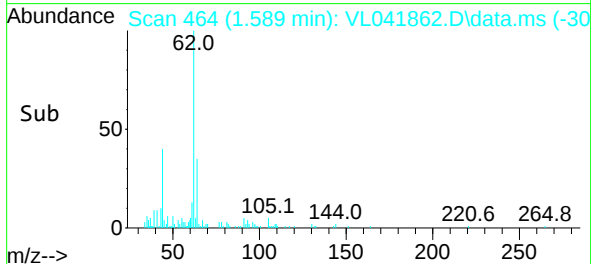
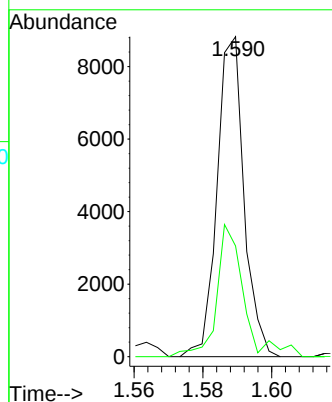
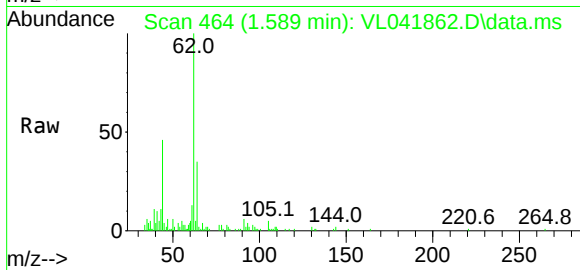
64 33.0 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#6

Bromomethane

Concen: 0.669 ppbv

RT: 1.674 min Scan# 490

Delta R.T. 0.000 min

Lab File: VL041862.D

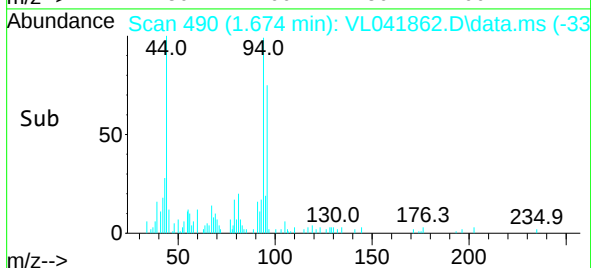
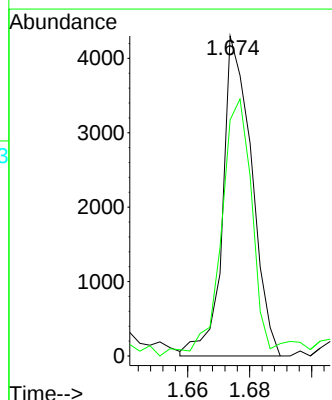
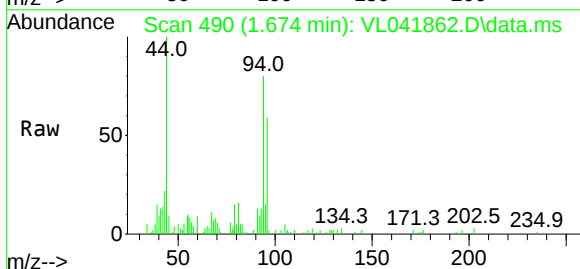
Acq: 09 Jan 2025 12:53

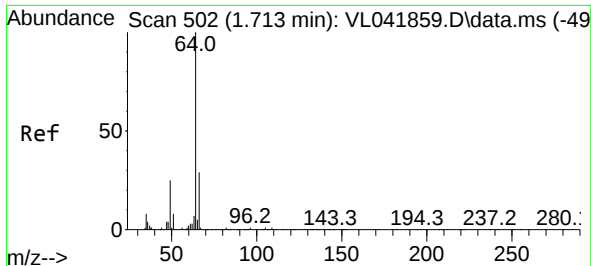
Tgt Ion: 94 Resp: 2791

Ion Ratio Lower Upper

94 100

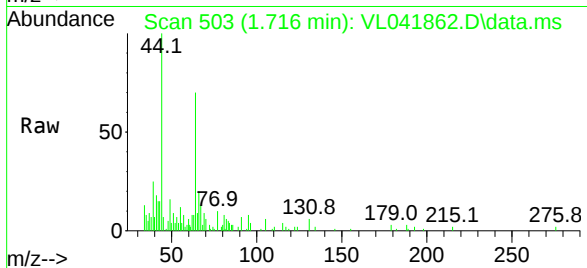
96 71.9 72.0 108.0#





#7
Chloroethane
Concen: 0.549 ppbv
RT: 1.716 min Scan# 502
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

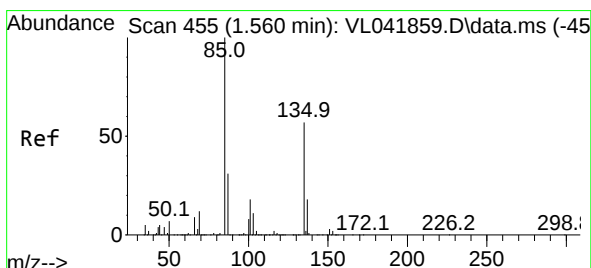
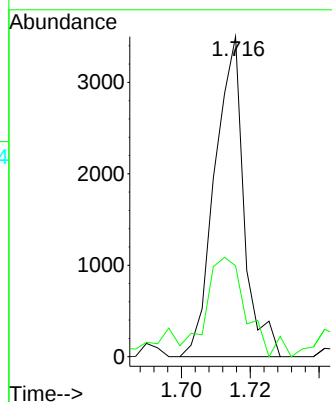
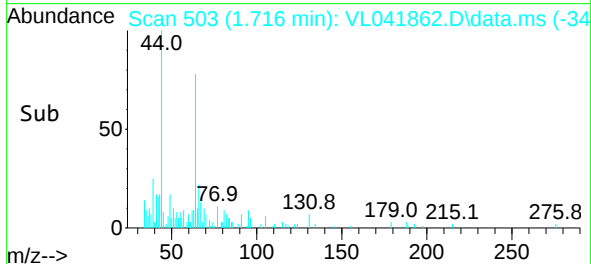
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



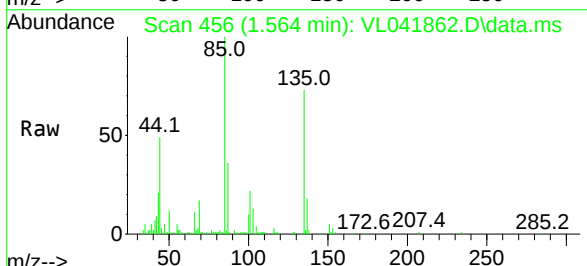
Tgt Ion: 64 Resp: 2059
Ion Ratio Lower Upper
64 100
66 28.4 25.6 38.4

Manual Integrations
APPROVED

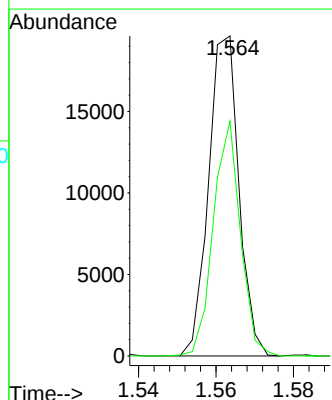
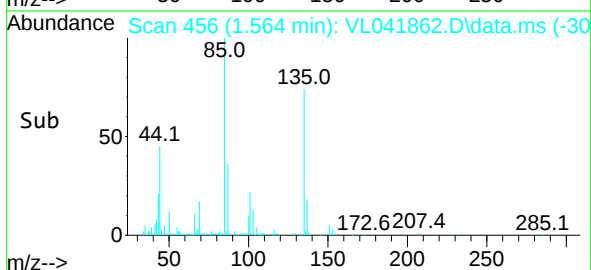
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

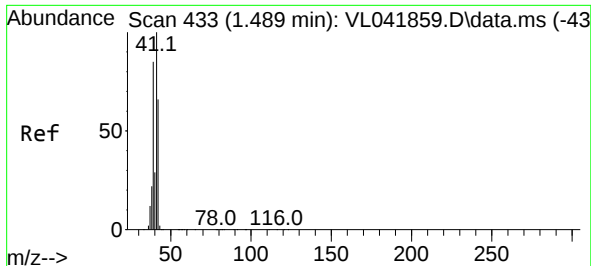


#8
Dichlorotetrafluoroethane
Concen: 0.528 ppbv
RT: 1.564 min Scan# 456
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



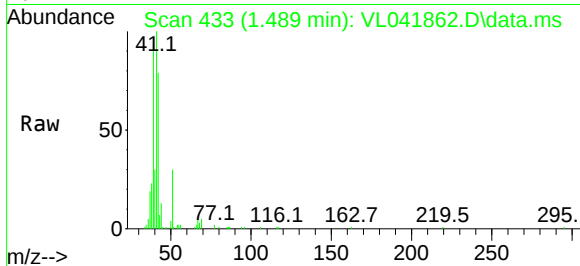
Tgt Ion: 85 Resp: 10699
Ion Ratio Lower Upper
85 100
135 65.4 47.9 71.9





#9
 Propene
 Concen: 0.862 ppbv
 RT: 1.489 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

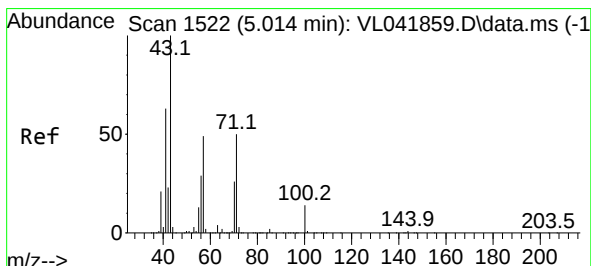
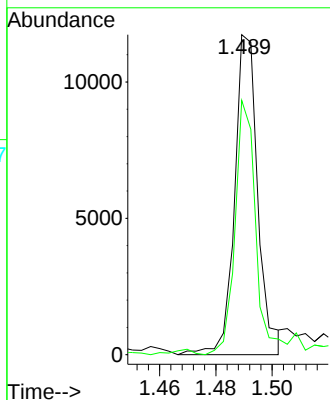
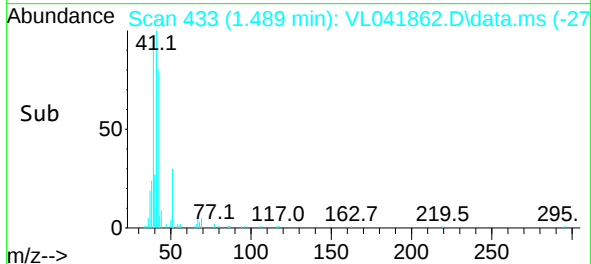
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



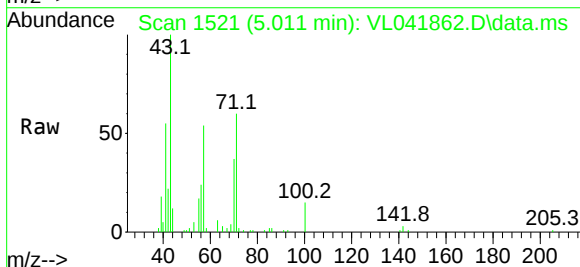
Tgt Ion: 41 Resp: 673
 Ion Ratio Lower Upper
 41 100
 42 76.2 54.4 81.6

Manual Integrations
 APPROVED

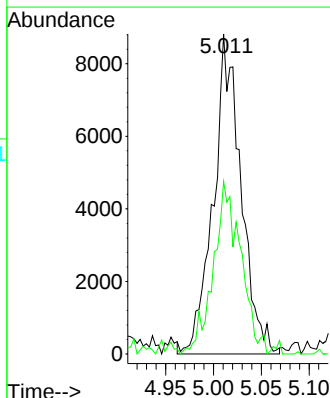
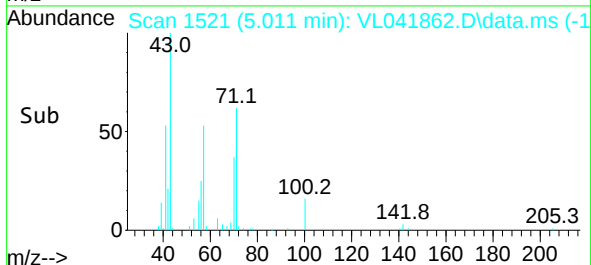
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

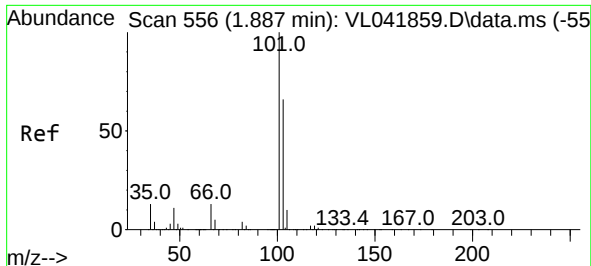


#10
 Heptane
 Concen: 0.915 ppbv m
 RT: 5.011 min Scan# 1521
 Delta R.T. 0.007 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53



Tgt Ion: 43 Resp: 17661
 Ion Ratio Lower Upper
 43 100
 57 54.5 37.8 56.6





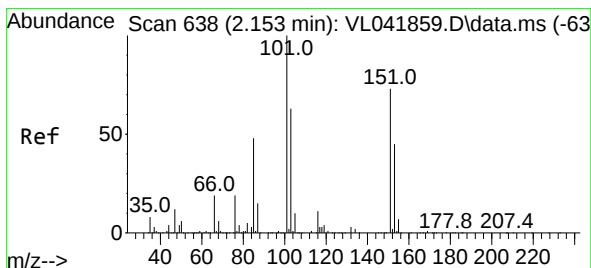
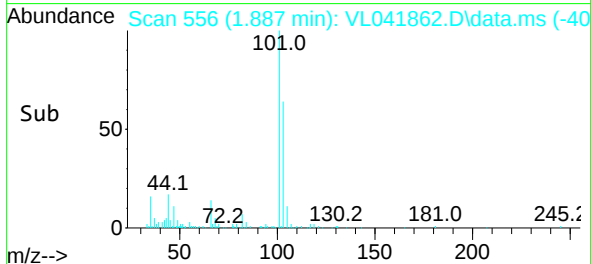
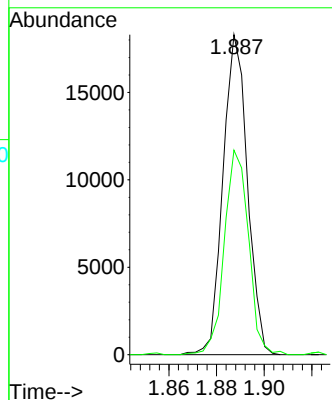
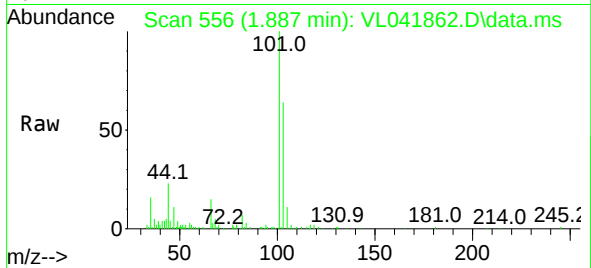
#11
 Trichlorofluoromethane
 Concen: 0.545 ppbv
 RT: 1.887 min Scan# 556
 Delta R.T. 0.003 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:101 Resp: 1301
 Ion Ratio Lower Upper
 101 100
 103 63.9 49.4 74.0

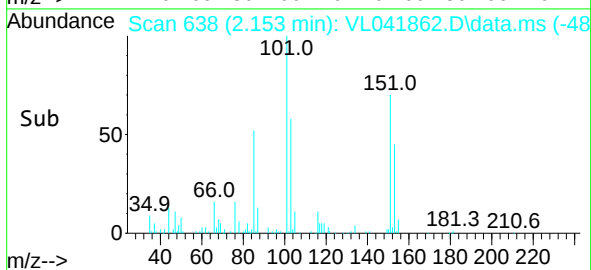
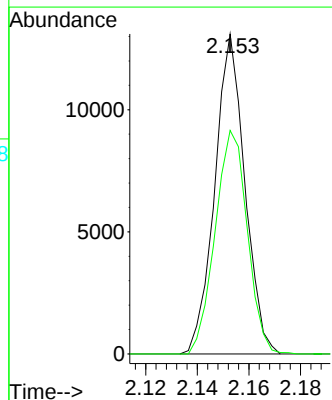
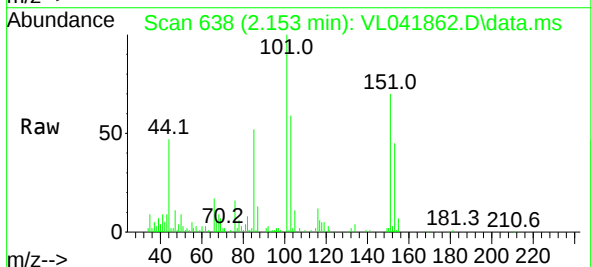
Manual Integrations
 APPROVED

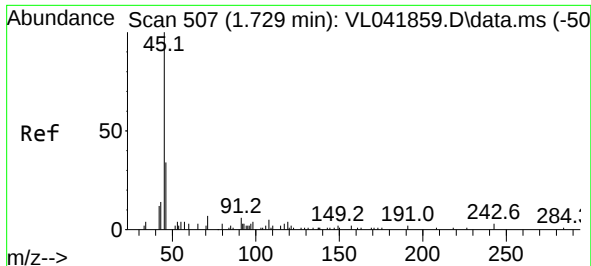
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.596 ppbv
 RT: 2.153 min Scan# 638
 Delta R.T. 0.003 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

Tgt Ion:101 Resp: 10592
 Ion Ratio Lower Upper
 101 100
 151 74.7 53.2 79.8





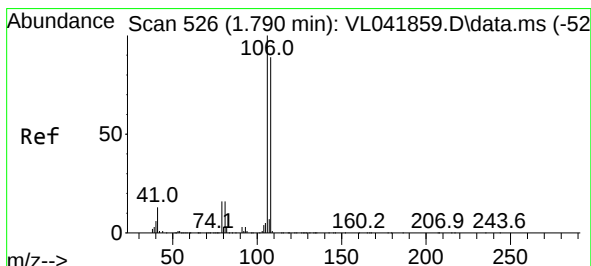
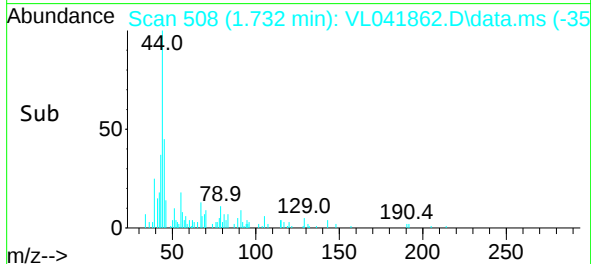
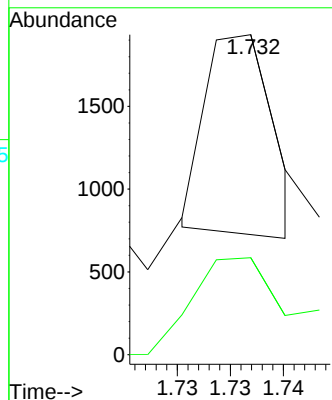
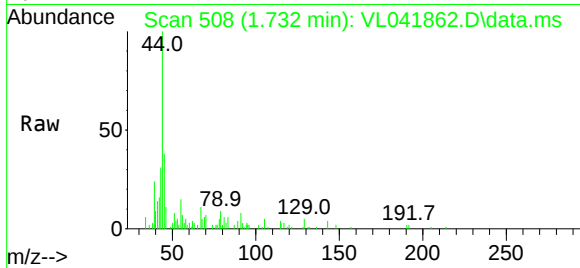
#13
Ethanol
Concen: 0.600 ppbv m
RT: 1.732 min Scan# 507
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 45 Resp: 53
Ion Ratio Lower Upper
45 100
46 131.0 16.1 64.5

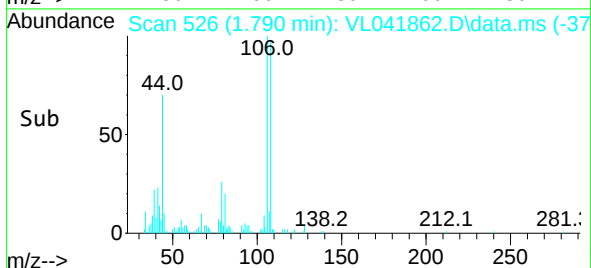
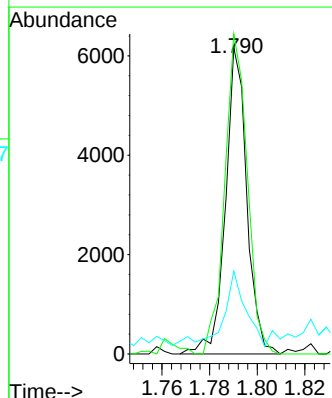
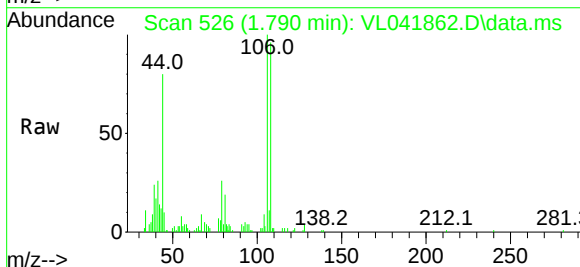
Manual Integrations
APPROVED

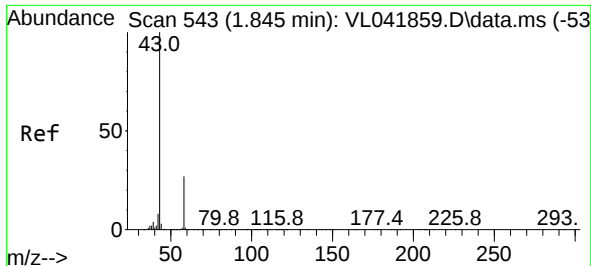
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#14
Bromoethene
Concen: 0.656 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

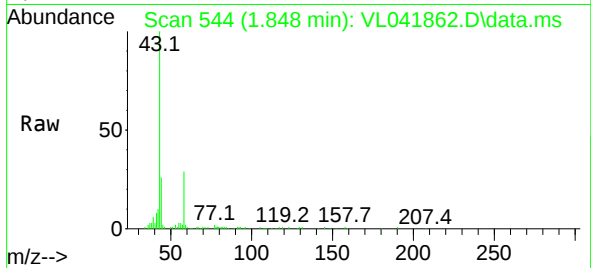
Tgt Ion:108 Resp: 3822
Ion Ratio Lower Upper
108 100
106 115.3 84.6 126.8
79 30.5 18.3 27.5





#15
Acetone
Concen: 0.579 ppbv
RT: 1.848 min Scan# 543
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

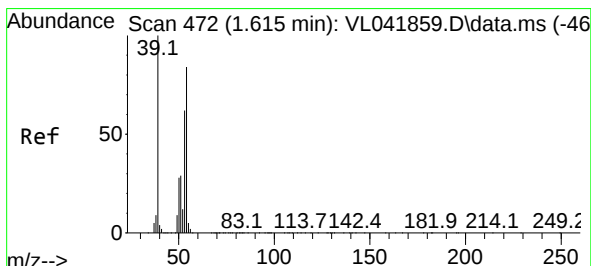
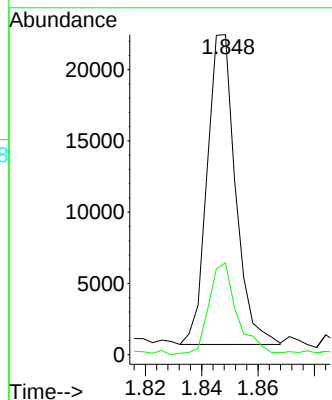
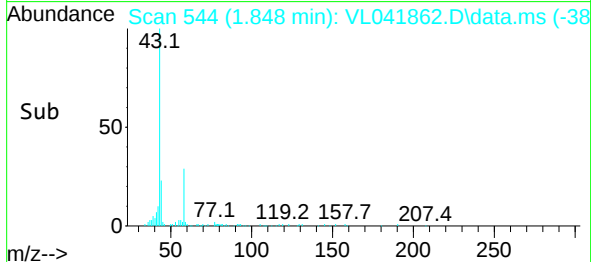
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



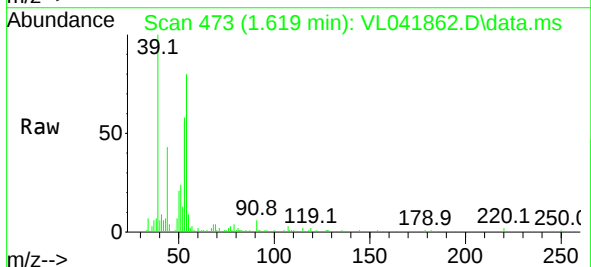
Tgt Ion: 43 Resp: 15259
Ion Ratio Lower Upper
43 100
58 33.9 20.2 30.2

Manual Integrations
APPROVED

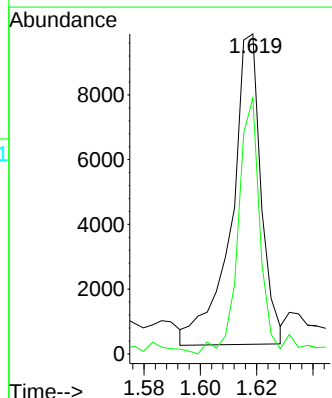
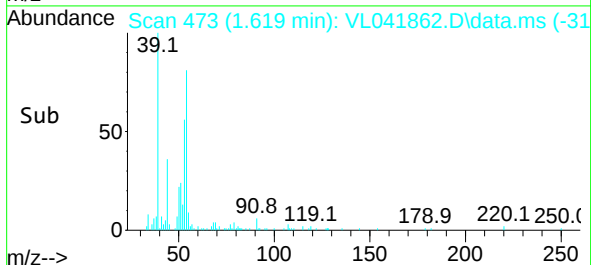
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

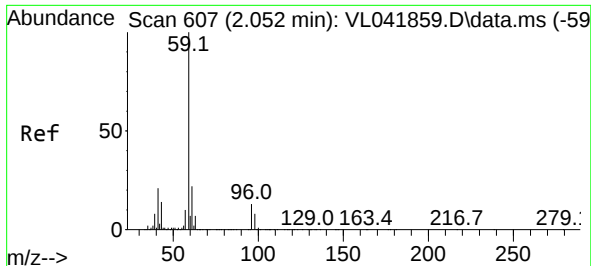


#16
1,3-Butadiene
Concen: 0.680 ppbv
RT: 1.619 min Scan# 473
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



Tgt Ion: 39 Resp: 7024
Ion Ratio Lower Upper
39 100
54 69.0 56.2 84.4





#17

tert-Butyl alcohol

Concen: 0.657 ppbv

RT: 2.056 min Scan# 607

Delta R.T. 0.007 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 59 Resp: 14992

Ion Ratio Lower Upper

59 100

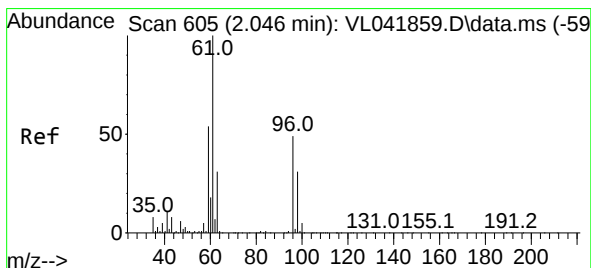
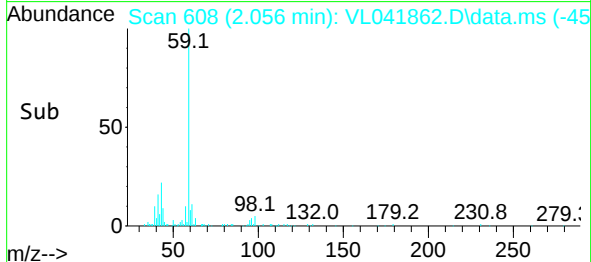
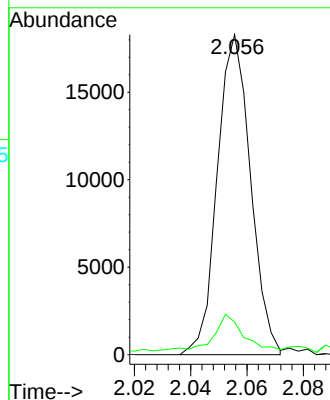
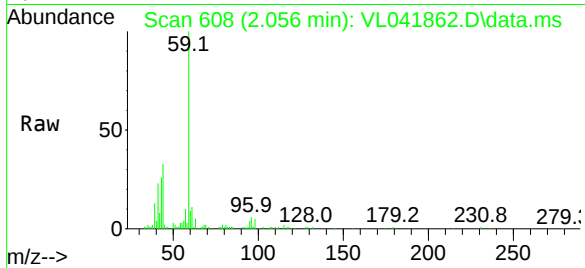
57 13.5 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#18

1,1-Dichloroethene

Concen: 0.656 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

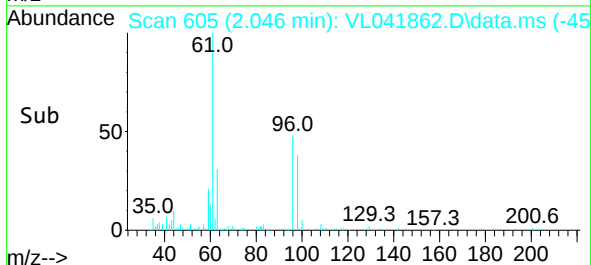
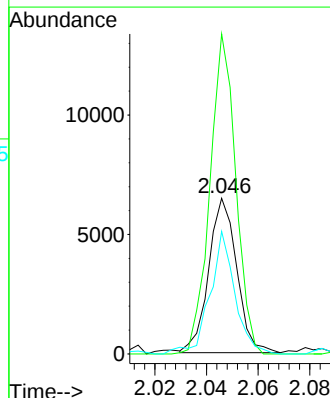
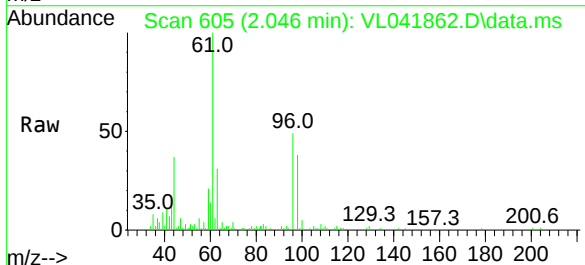
Tgt Ion: 96 Resp: 4883

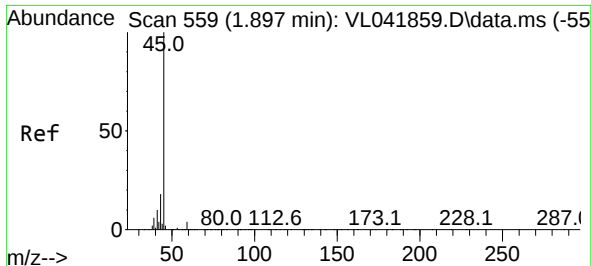
Ion Ratio Lower Upper

96 100

61 207.4 179.2 268.8

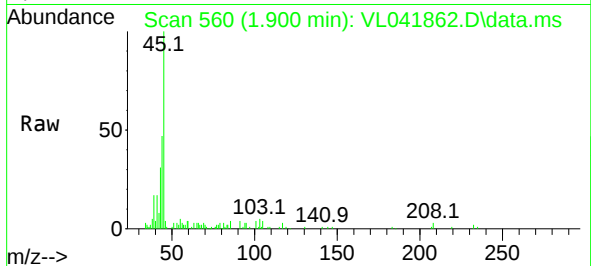
98 79.4 51.6 77.4





#19
Isopropyl Alcohol
Concen: 0.607 ppbv
RT: 1.900 min Scan# 559
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

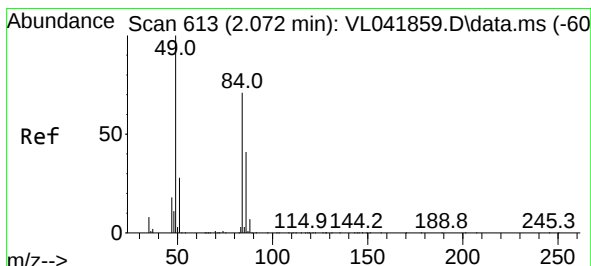
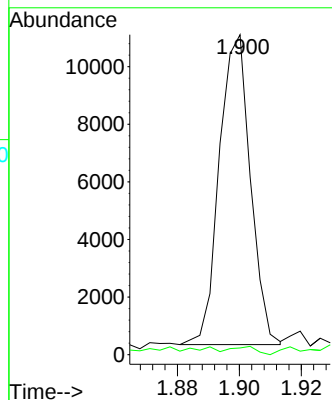
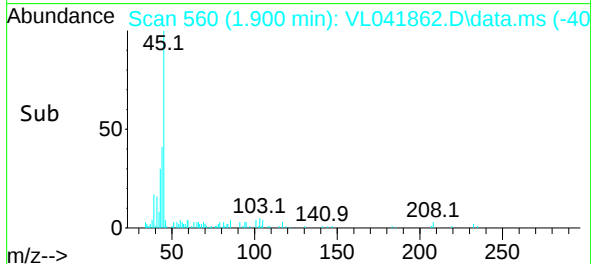
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



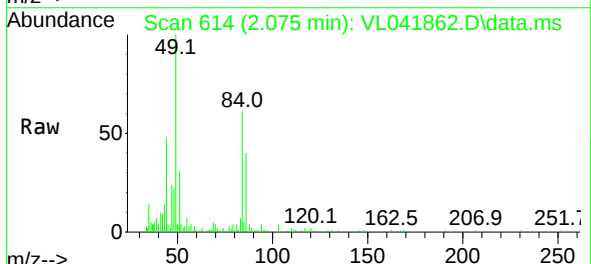
Tgt Ion: 45 Resp: 7509
Ion Ratio Lower Upper
45 100
58 4.1 2.0 3.0

Manual Integrations
APPROVED

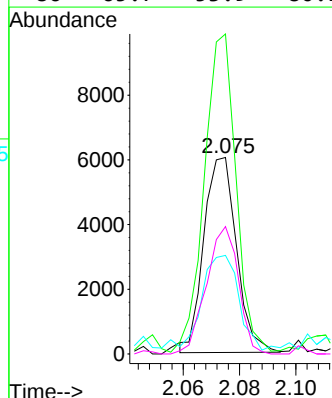
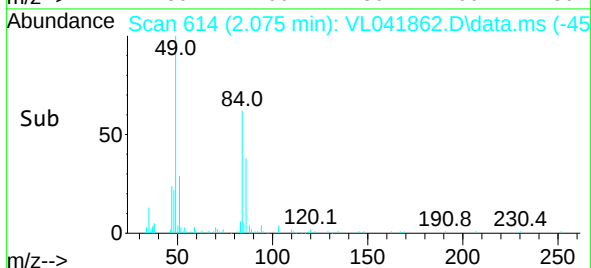
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

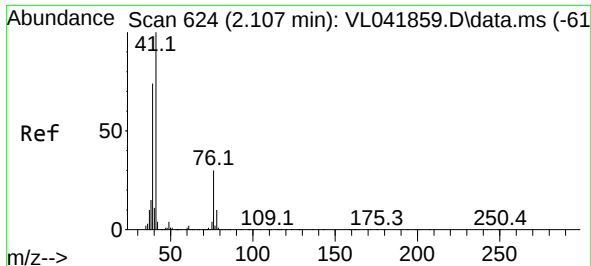


#20
Methylene Chloride
Concen: 0.644 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



Tgt Ion: 84 Resp: 4849
Ion Ratio Lower Upper
84 100
49 163.2 137.8 206.8
51 54.4 43.9 65.9
86 65.7 53.9 80.9





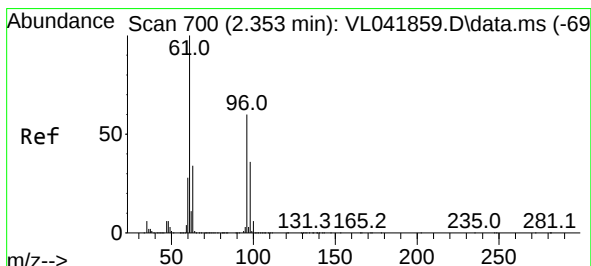
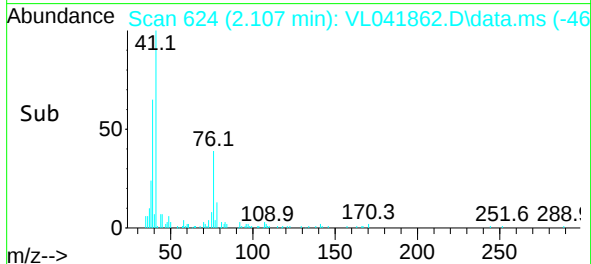
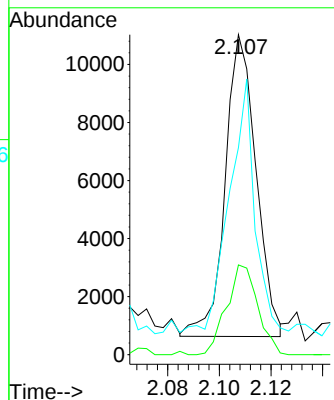
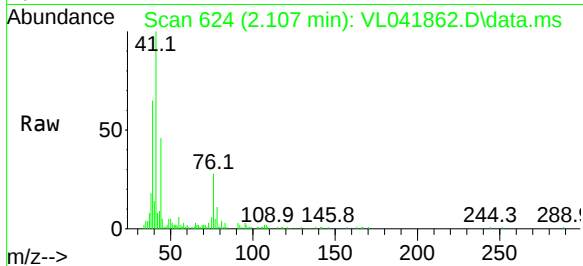
#21
Allyl Chloride
Concen: 0.639 ppbv
RT: 2.107 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 41 Resp: 867
Ion Ratio Lower Upper
41 100
76 31.3 20.6 31.0
39 76.8 67.4 101.2

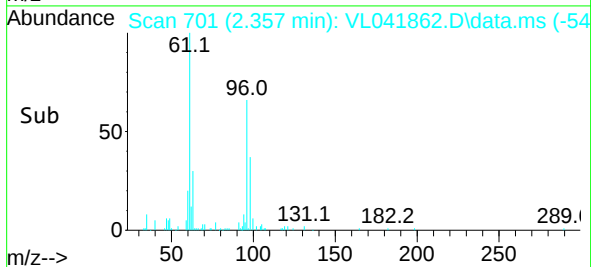
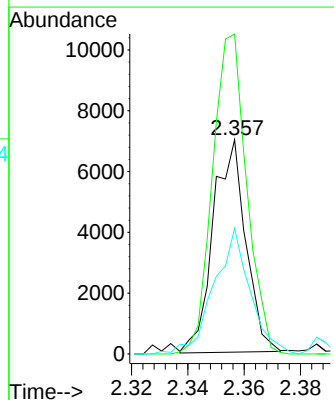
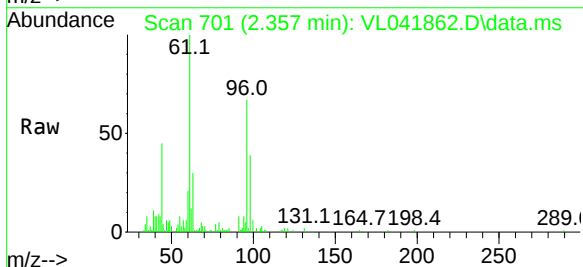
Manual Integrations
APPROVED

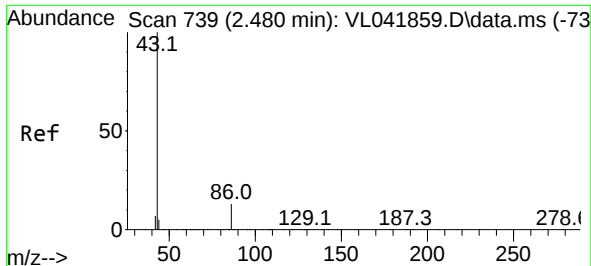
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#22
trans-1,2-Dichloroethene
Concen: 0.677 ppbv
RT: 2.357 min Scan# 701
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

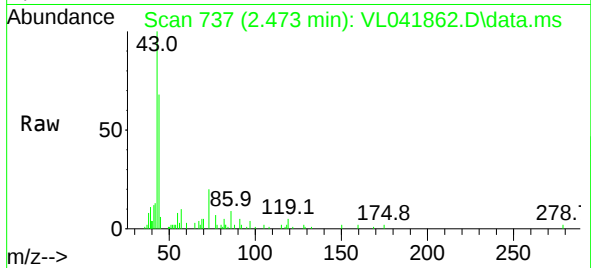
Tgt Ion: 96 Resp: 5632
Ion Ratio Lower Upper
96 100
61 150.4 144.0 216.0
98 55.2 46.9 70.3





#23
 Vinyl Acetate
 Concen: 0.633 ppbv m
 RT: 2.473 min Scan# 739
 Delta R.T. 0.000 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

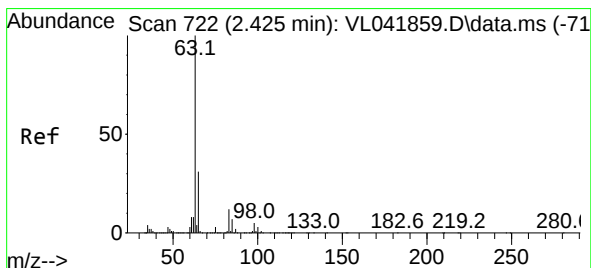
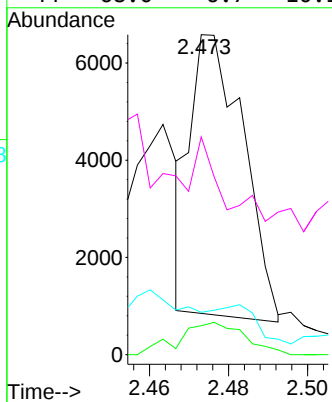
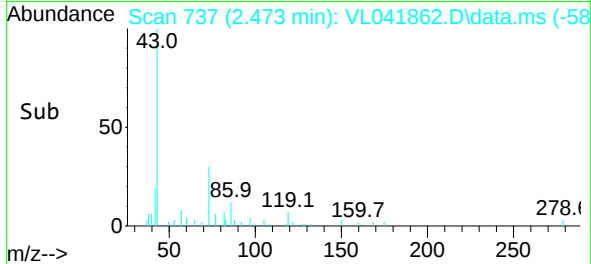
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



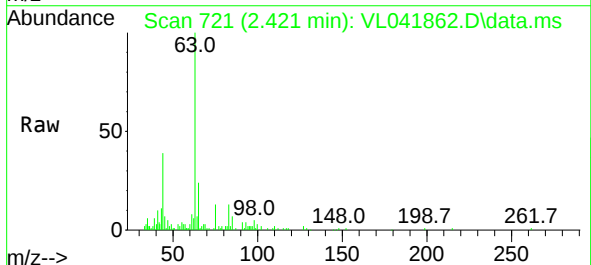
Tgt Ion: 43 Resp: 5348
 Ion Ratio Lower Upper
 43 100
 86 9.1 6.4 9.6
 42 13.2 9.5 14.3
 44 68.0 6.7 10.1#

Manual Integrations
 APPROVED

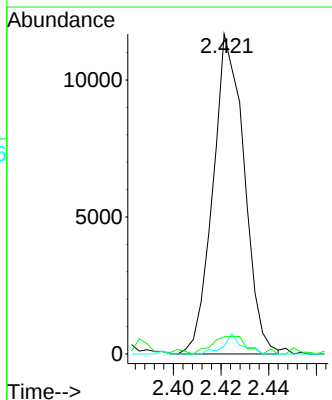
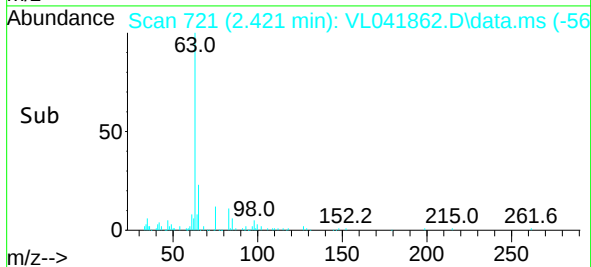
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

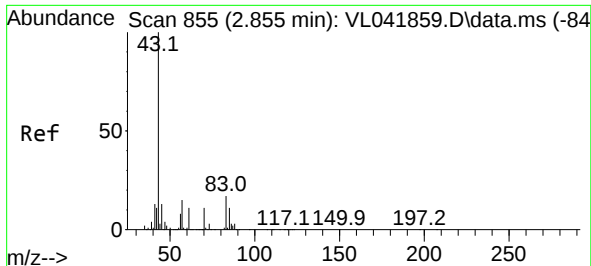


#24
 1,1-Dichloroethane
 Concen: 0.583 ppbv
 RT: 2.421 min Scan# 721
 Delta R.T. 0.003 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53



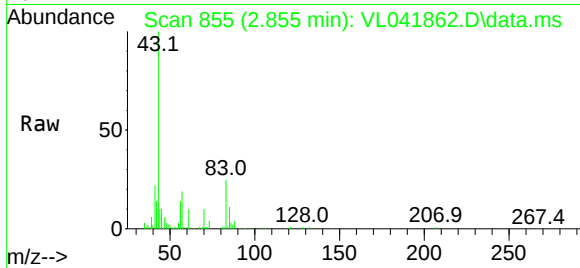
Tgt Ion: 63 Resp: 10611
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.3 6.9
 100 2.5 1.4 4.0





#25
Ethyl Acetate
Concen: 0.712 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.010 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

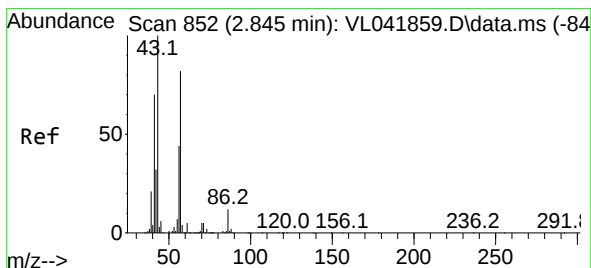
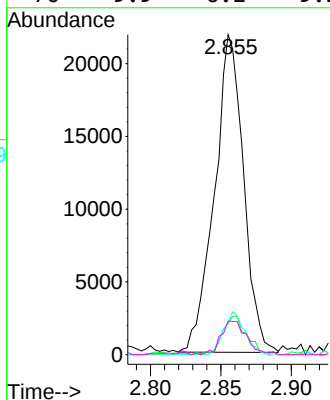
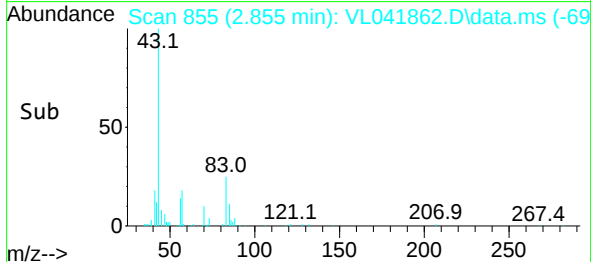
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



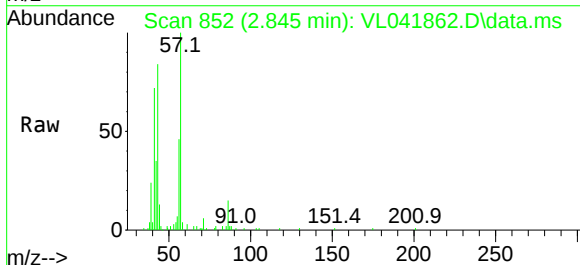
Tgt Ion: 43 Resp: 3145
Ion Ratio Lower Upper
43 100
45 10.4 7.8 11.8
61 9.9 7.0 10.6
70 9.9 6.2 9.2#

Manual Integrations
APPROVED

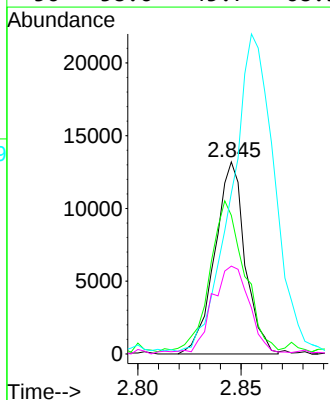
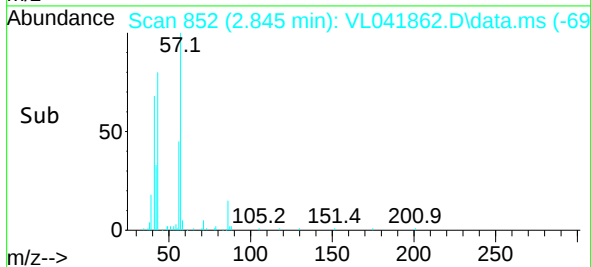
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

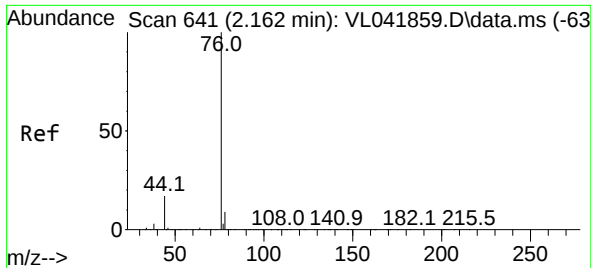


#26
Hexane
Concen: 0.877 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



Tgt Ion: 57 Resp: 13451
Ion Ratio Lower Upper
57 100
41 95.0 84.1 126.1
43 240.2 218.4 327.6
56 58.6 45.7 68.5





#27

Carbon Disulfide

Concen: 0.856 ppbv

RT: 2.162 min Scan# 641

Delta R.T. 0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 76 Resp: 12460

Ion Ratio Lower Upper

76 100

44 49.1 19.8 29.8

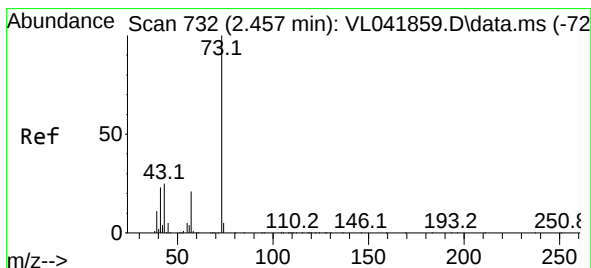
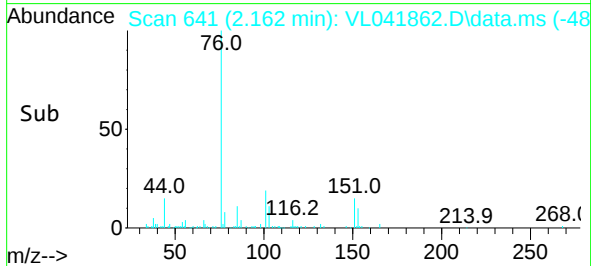
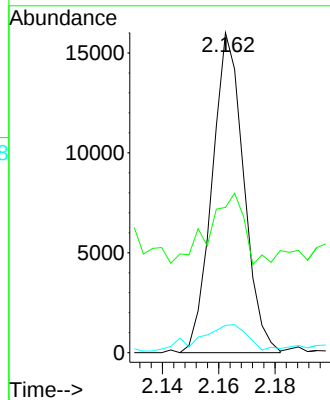
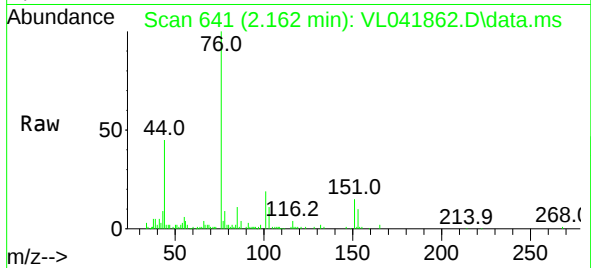
78 18.2 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#28

Methyl tert-Butyl Ether

Concen: 0.887 ppbv

RT: 2.460 min Scan# 733

Delta R.T. 0.010 min

Lab File: VL041862.D

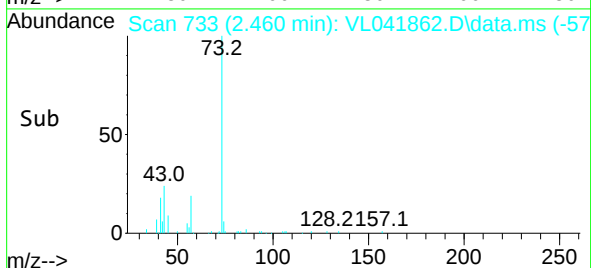
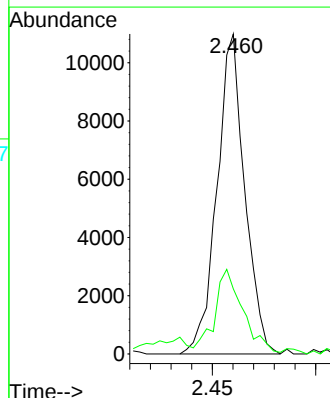
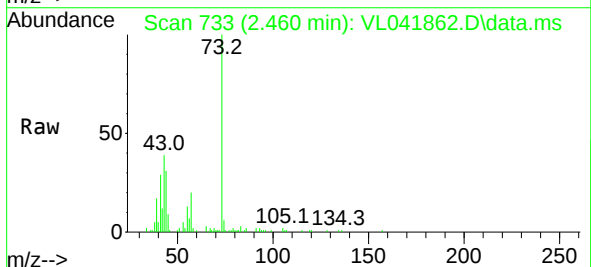
Acq: 09 Jan 2025 12:53

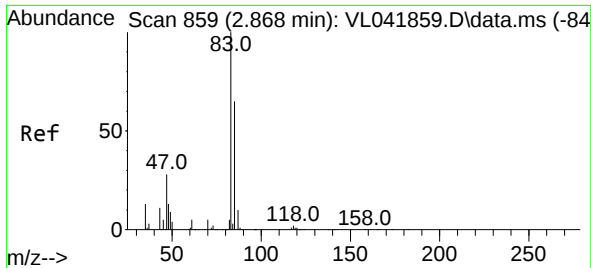
Tgt Ion: 73 Resp: 10251

Ion Ratio Lower Upper

73 100

57 33.2 18.4 27.6





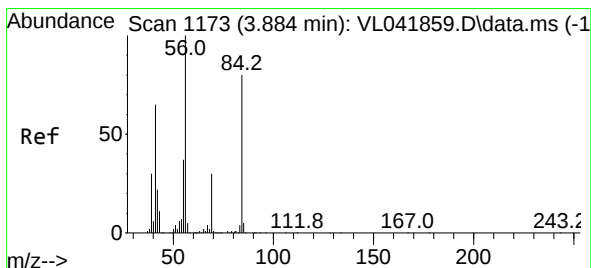
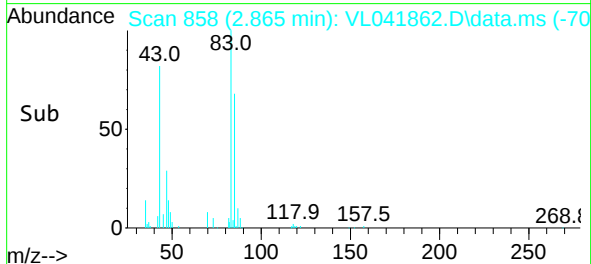
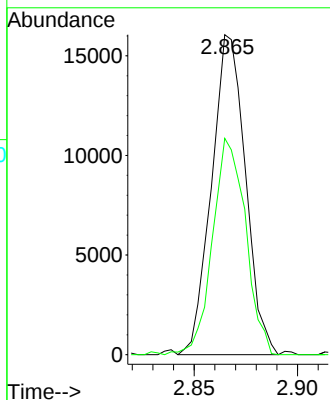
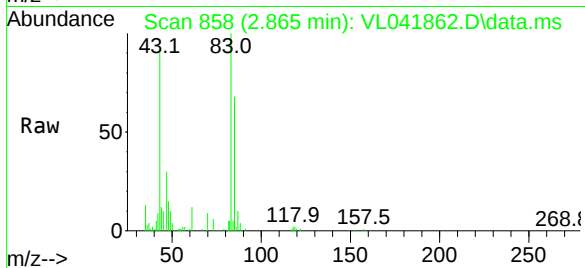
#29
Chloroform
Concen: 0.643 ppbv
RT: 2.865 min Scan# 859
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 18310
Ion Ratio Lower Upper
83 100
85 67.6 49.6 74.4

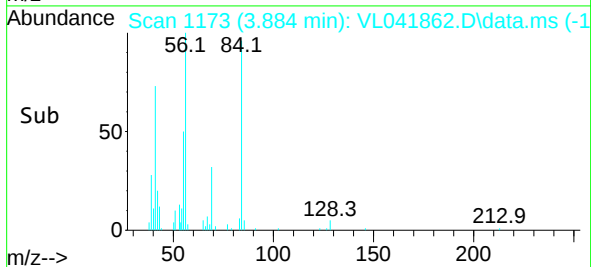
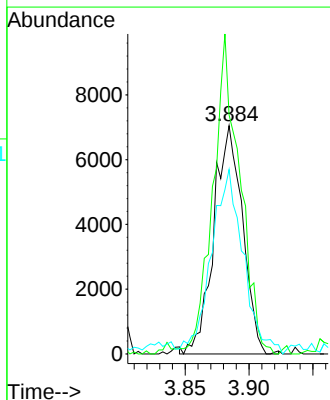
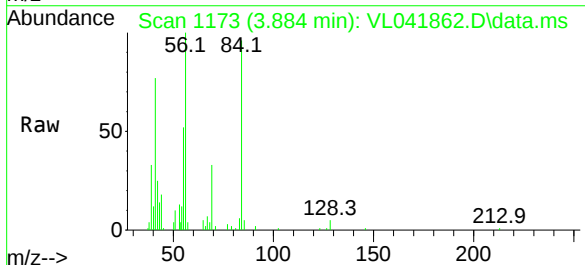
Manual Integrations
APPROVED

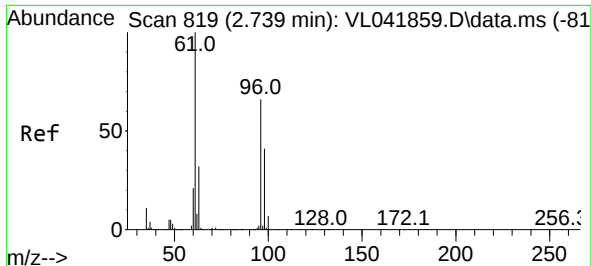
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#30
Cyclohexane
Concen: 0.949 ppbv m
RT: 3.884 min Scan# 1173
Delta R.T. 0.010 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

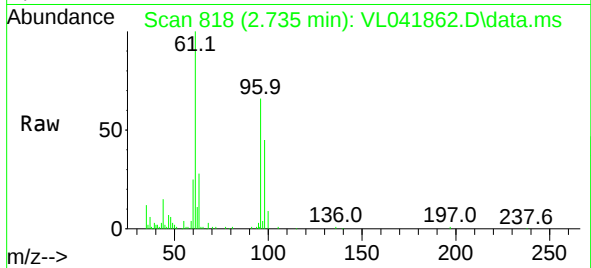
Tgt Ion: 84 Resp: 11047
Ion Ratio Lower Upper
84 100
56 133.1 105.0 157.6
41 89.3 78.9 118.3





#31
 cis-1,2-Dichloroethene
 Concen: 0.826 ppbv
 RT: 2.735 min Scan# 819
 Delta R.T. 0.003 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

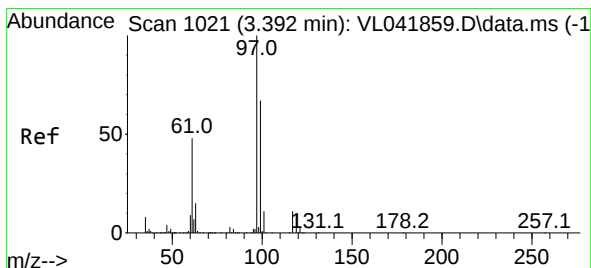
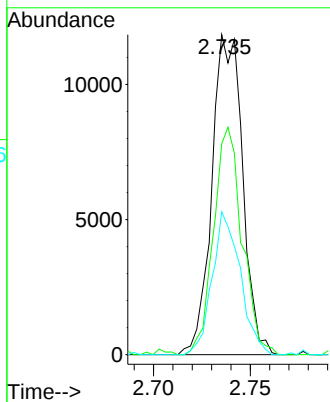
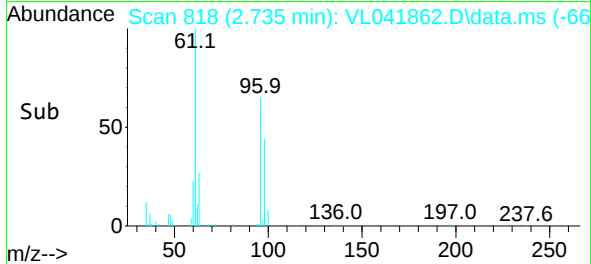
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



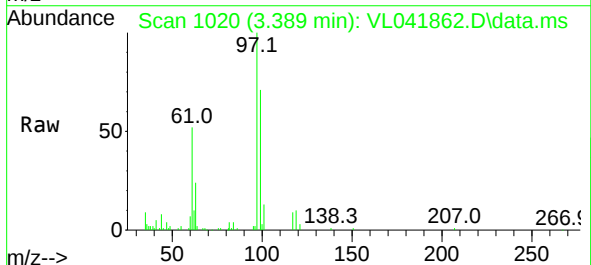
Tgt Ion: 61 Resp: 13049
 Ion Ratio Lower Upper
 61 100
 96 65.9 47.6 71.4
 98 44.7 30.2 45.2

Manual Integrations
 APPROVED

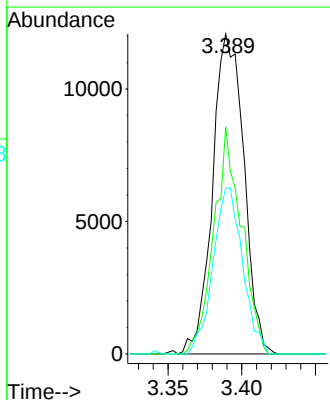
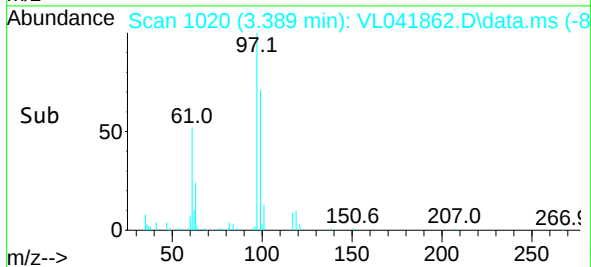
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

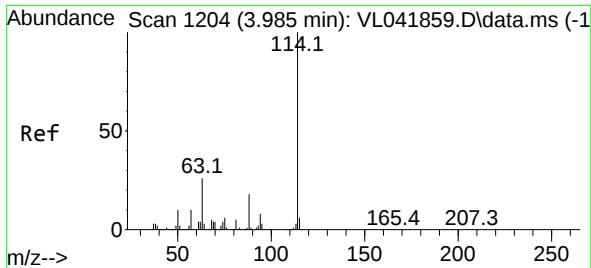


#32
 1,1,1-Trichloroethane
 Concen: 0.690 ppbv
 RT: 3.389 min Scan# 1020
 Delta R.T. 0.007 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53



Tgt Ion: 97 Resp: 17819
 Ion Ratio Lower Upper
 97 100
 99 62.8 50.6 76.0
 61 49.4 45.0 67.6





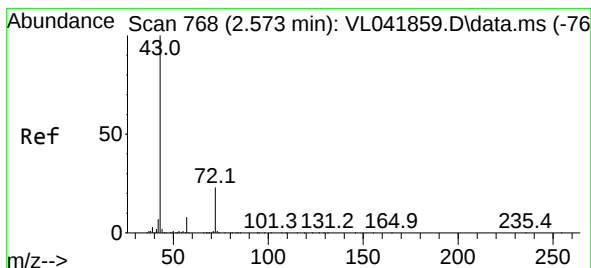
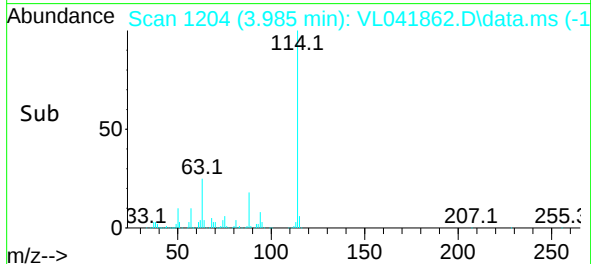
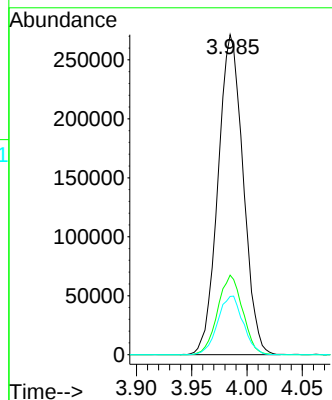
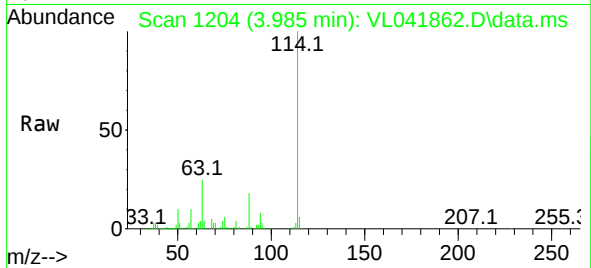
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.985 min Scan# 114
Delta R.T. 0.010 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 42932
Ion Ratio Lower Upper
114 100
63 24.6 22.3 33.5
88 18.5 14.9 22.3

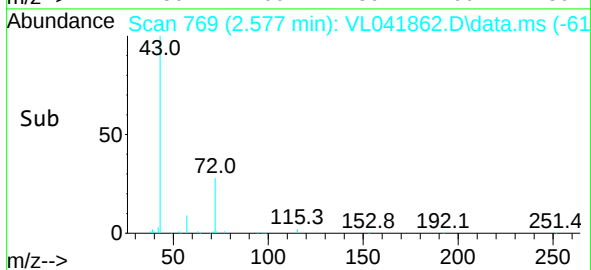
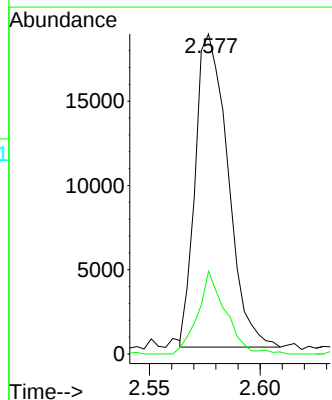
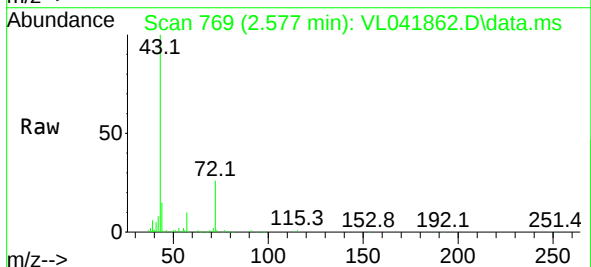
Manual Integrations
APPROVED

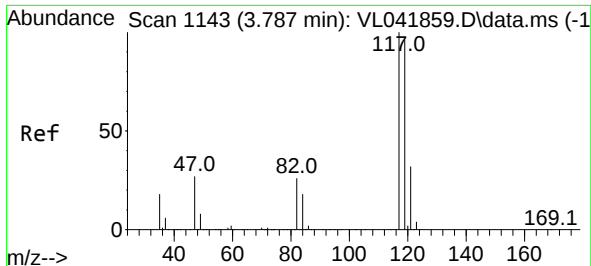
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#34
2-Butanone
Concen: 0.562 ppbv
RT: 2.577 min Scan# 769
Delta R.T. 0.010 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

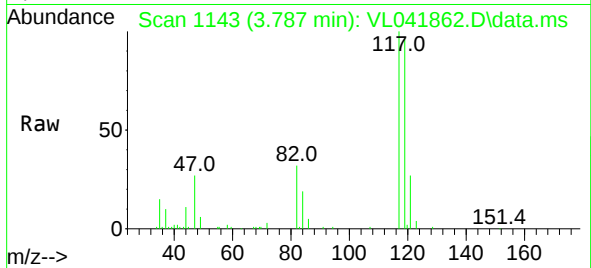
Tgt Ion: 43 Resp: 19019
Ion Ratio Lower Upper
43 100
72 22.6 16.6 25.0





#35
Carbon Tetrachloride
Concen: 0.485 ppbv
RT: 3.787 min Scan# 1143
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

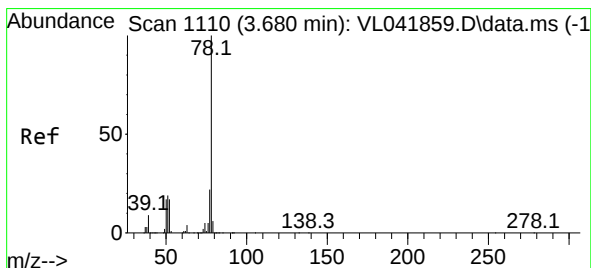
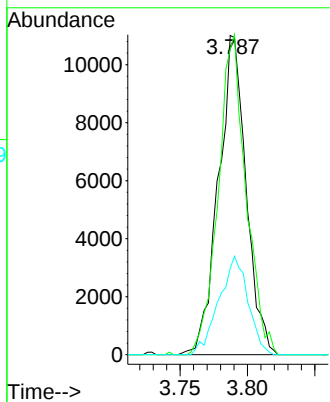
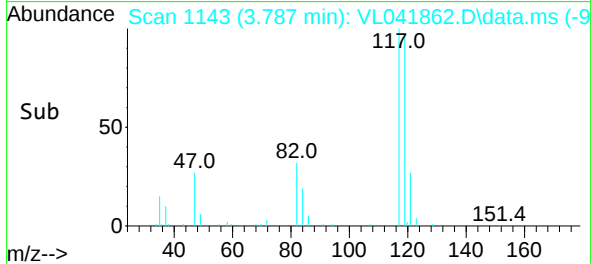
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 117 Resp: 1573
Ion Ratio Lower Upper
117 100
119 95.7 79.1 118.7
121 27.1 24.2 36.2

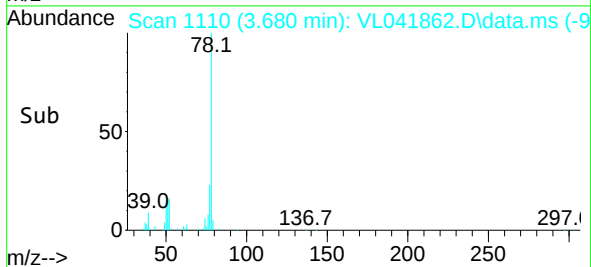
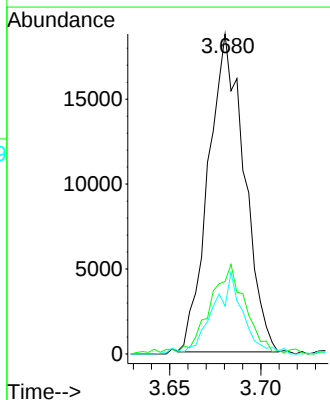
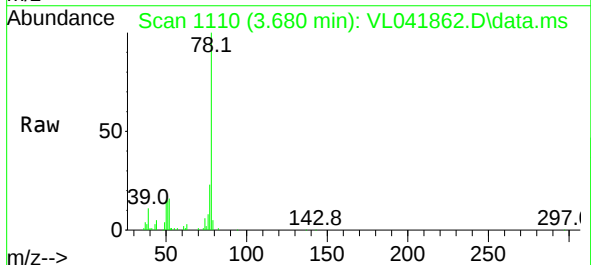
Manual Integrations
APPROVED

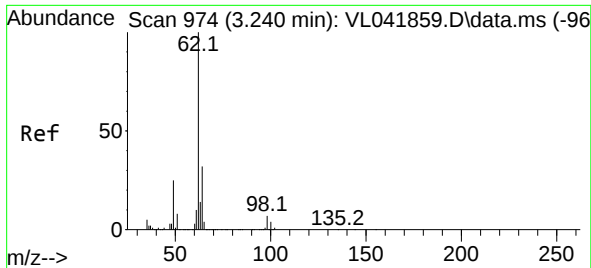
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#36
Benzene
Concen: 0.625 ppbv
RT: 3.680 min Scan# 1110
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion: 78 Resp: 25621
Ion Ratio Lower Upper
78 100
77 22.2 17.4 26.0
50 14.1 17.3 25.9#





#37

1,2-Dichloroethane

Concen: 0.535 ppbv

RT: 3.237 min Scan# 91

Delta R.T. 0.007 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 62 Resp: 14429

Ion Ratio Lower Upper

62 100

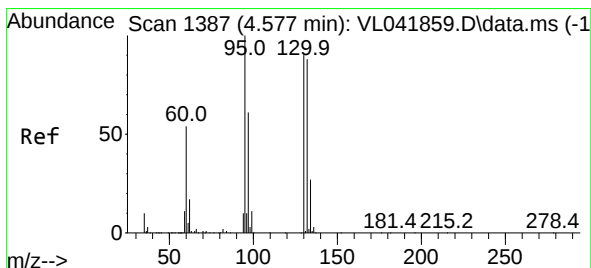
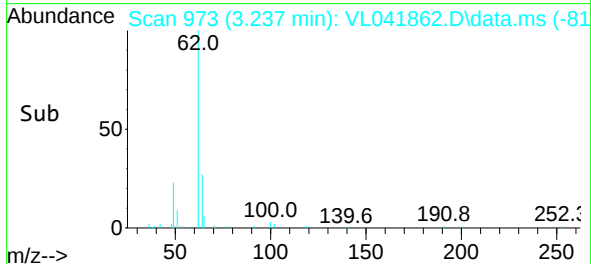
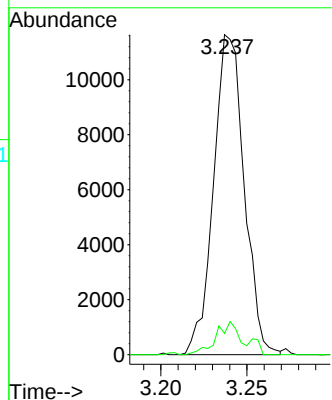
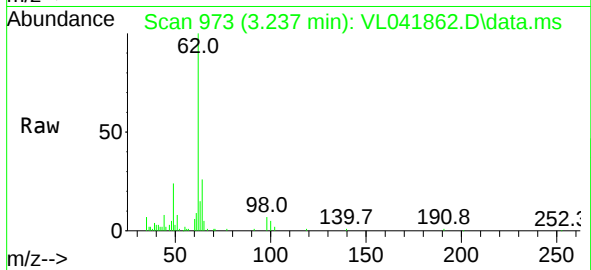
98 9.4 4.8 7.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#38

Trichloroethene

Concen: 0.667 ppbv m

RT: 4.577 min Scan# 1387

Delta R.T. 0.007 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Tgt Ion:130 Resp: 10721

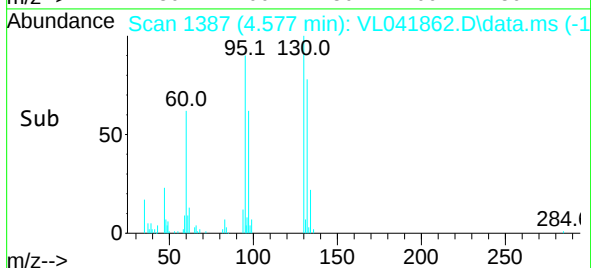
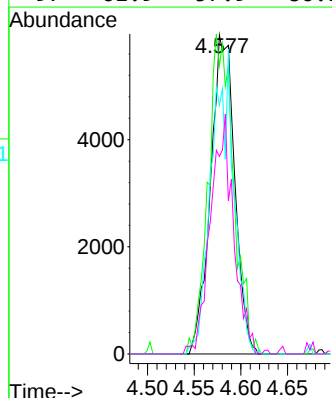
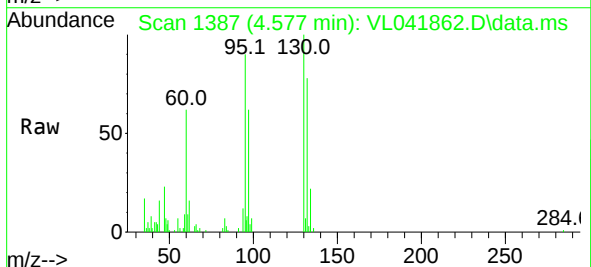
Ion Ratio Lower Upper

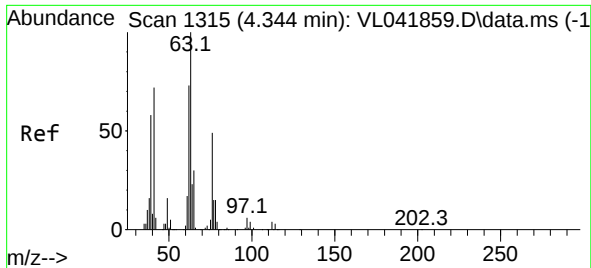
130 100

95 90.3 90.1 135.1

132 78.0 71.8 107.8

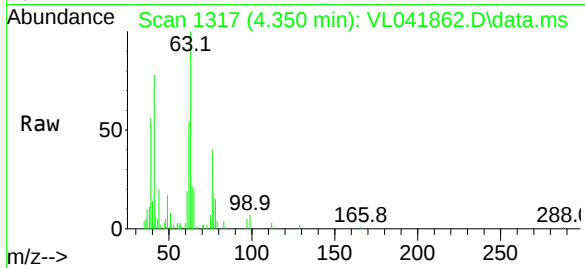
97 61.9 57.9 86.9





#39
1,2-Dichloropropane
Concen: 0.591 ppbv m
RT: 4.350 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

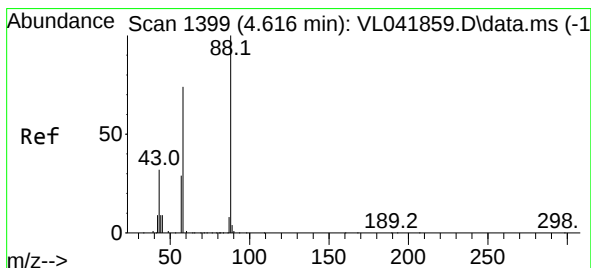
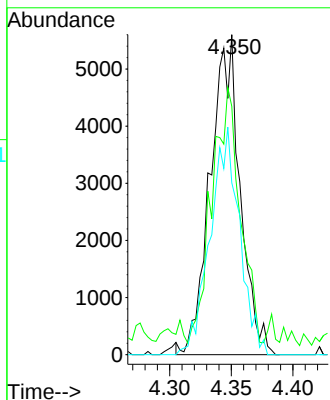
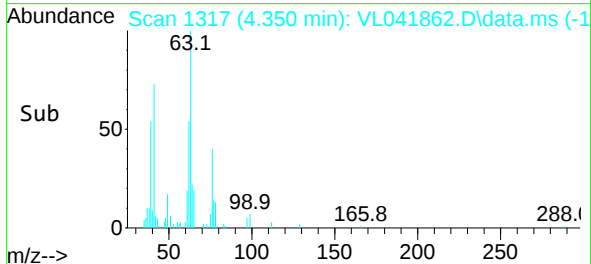
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



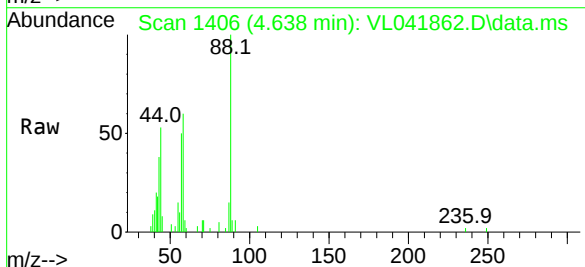
Tgt Ion: 63 Resp: 9384
Ion Ratio Lower Upper
63 100
41 77.6 77.7 116.5
62 53.7 56.2 84.2

Manual Integrations
APPROVED

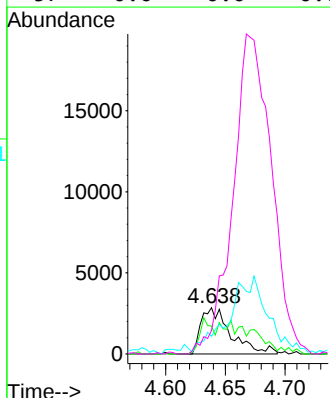
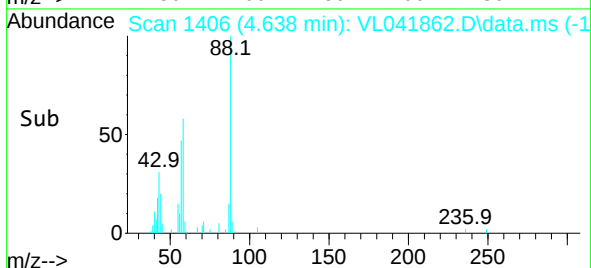
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

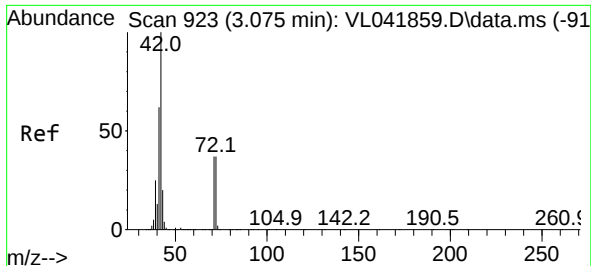


#40
1,4-Dioxane
Concen: 0.806 ppbv m
RT: 4.638 min Scan# 1406
Delta R.T. 0.032 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



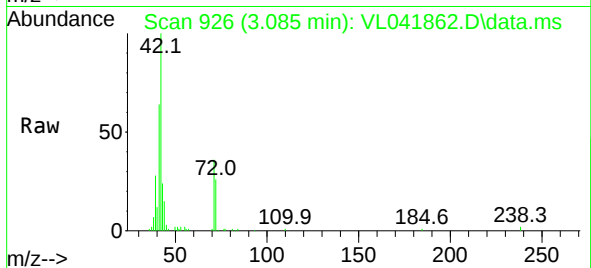
Tgt Ion: 88 Resp: 4958
Ion Ratio Lower Upper
88 100
58 53.7 65.1 97.7#
43 0.0 32.1 48.1#
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 0.715 ppbv
RT: 3.085 min Scan# 91
Delta R.T. 0.016 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

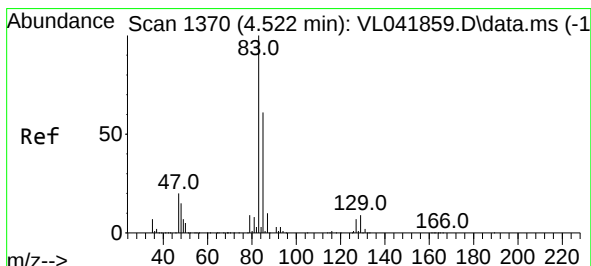
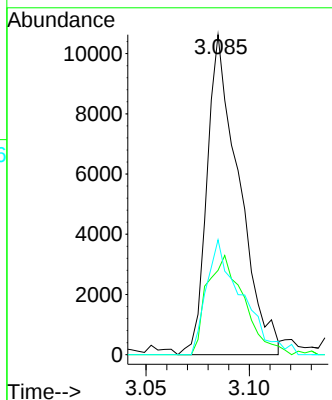
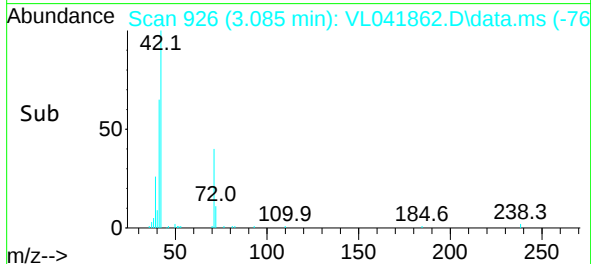
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 42 Resp: 11404
Ion Ratio Lower Upper
42 100
72 36.8 27.9 41.9
71 39.9 26.5 39.7

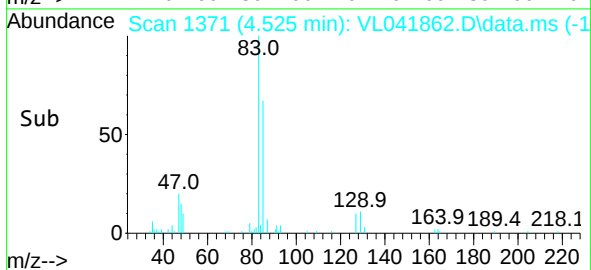
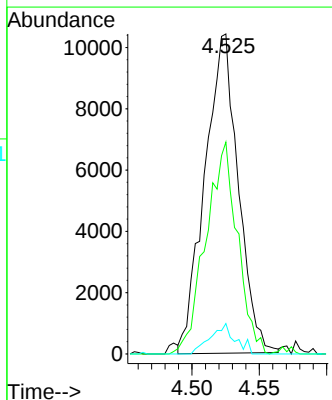
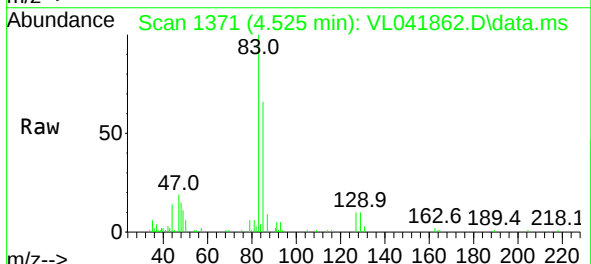
Manual Integrations
APPROVED

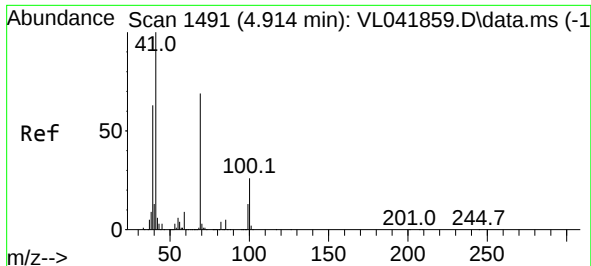
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#42
Bromodichloromethane
Concen: 0.569 ppbv
RT: 4.525 min Scan# 1371
Delta R.T. 0.013 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion: 83 Resp: 18000
Ion Ratio Lower Upper
83 100
85 66.5 51.3 76.9
127 9.6 5.6 8.4





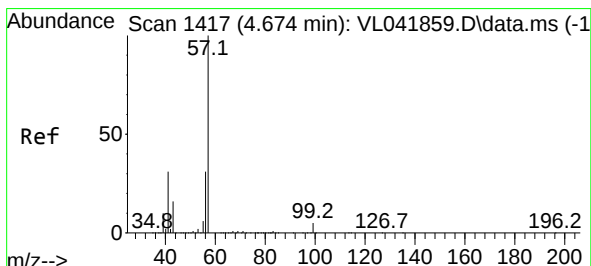
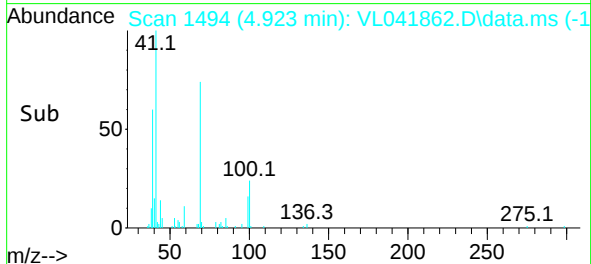
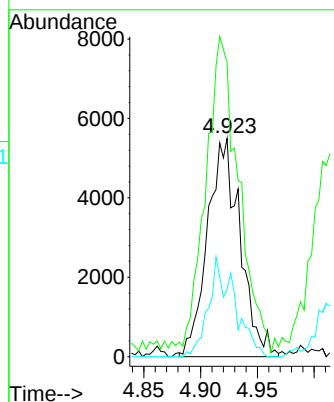
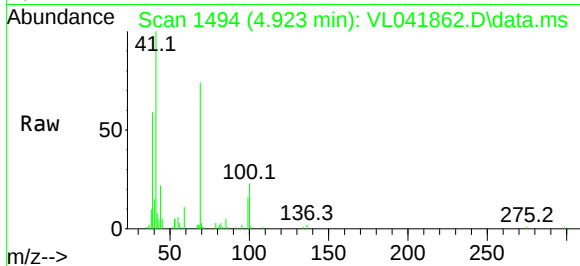
#43
Methyl Methacrylate
Concen: 0.851 ppbv m
RT: 4.923 min Scan# 1491
Delta R.T. 0.019 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 69 Resp: 1096
Ion Ratio Lower Upper
69 100
41 145.4 132.3 198.5
100 36.6 28.2 42.4

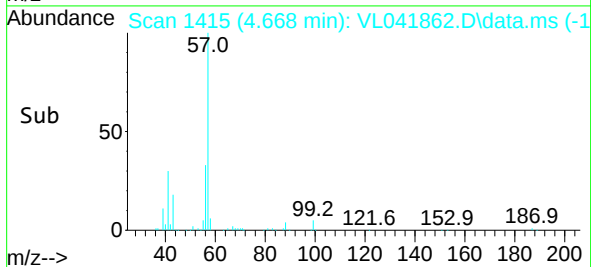
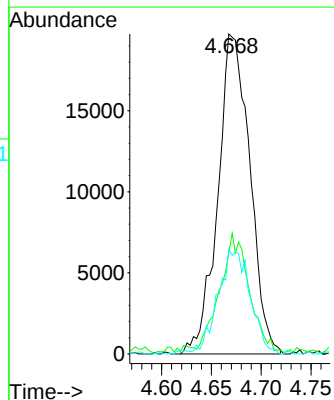
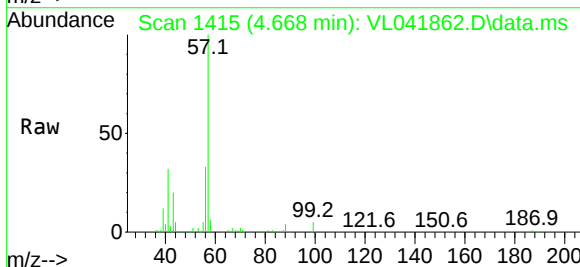
Manual Integrations
APPROVED

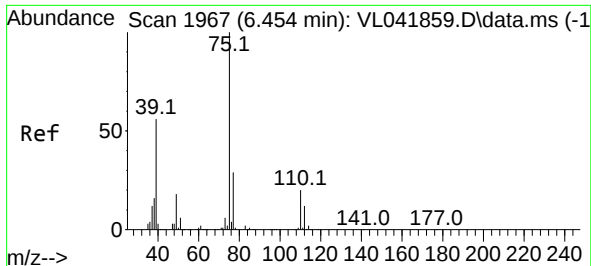
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#44
2,2,4-Trimethylpentane
Concen: 0.653 ppbv m
RT: 4.668 min Scan# 1415
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

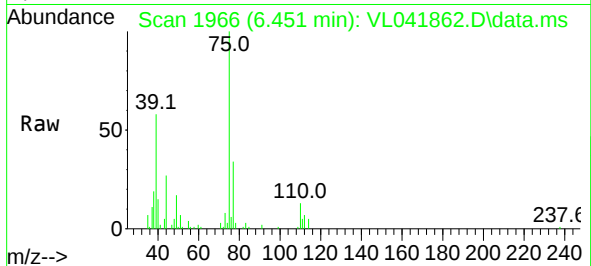
Tgt Ion: 57 Resp: 44153
Ion Ratio Lower Upper
57 100
41 34.9 31.4 47.2
56 33.5 26.6 39.8





#45
t-1,3-Dichloropropene
Concen: 0.844 ppbv
RT: 6.451 min Scan# 1966
Delta R.T. 0.013 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

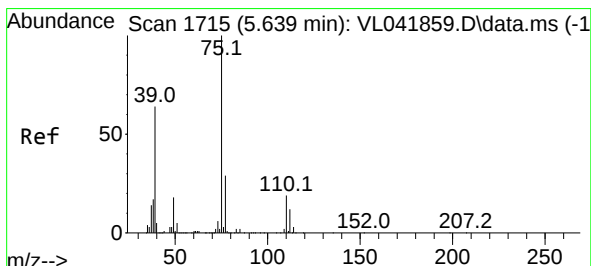
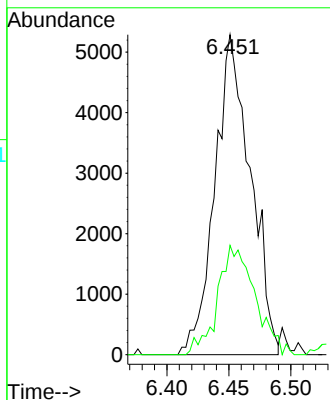
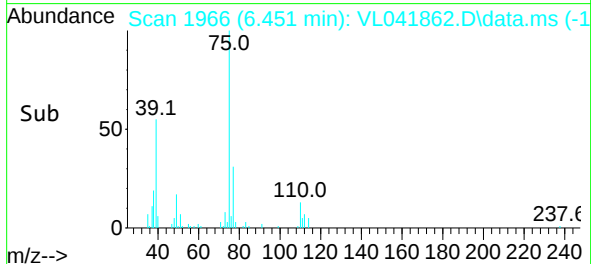
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 75 Resp: 10609
Ion Ratio Lower Upper
75 100
77 34.1 22.2 33.4

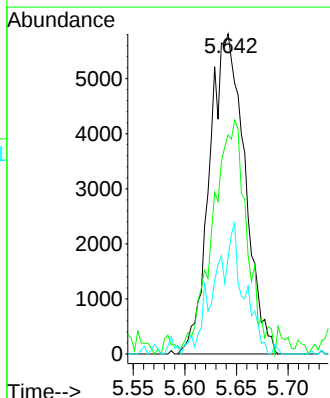
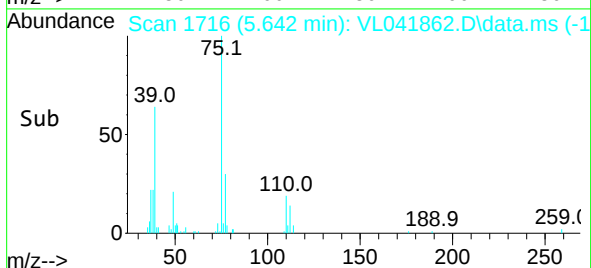
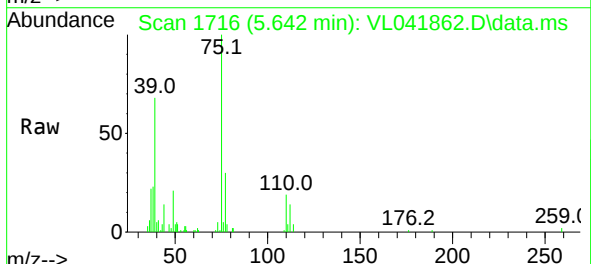
Manual Integrations
APPROVED

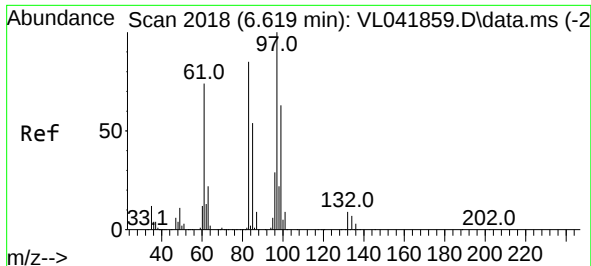
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#46
cis-1,3-Dichloropropene
Concen: 0.832 ppbv
RT: 5.642 min Scan# 1716
Delta R.T. 0.010 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion: 75 Resp: 13758
Ion Ratio Lower Upper
75 100
39 66.6 63.3 94.9
77 28.6 23.5 35.3





#47

1,1,2-Trichloroethane

Concen: 0.589 ppbv m

RT: 6.626 min Scan# 2018

Delta R.T. 0.019 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

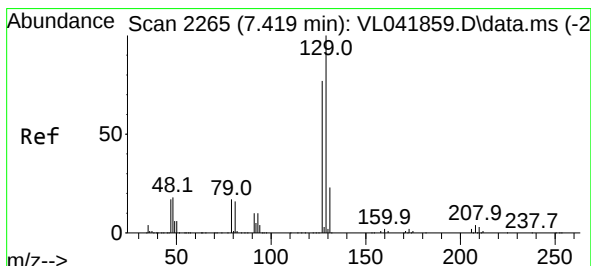
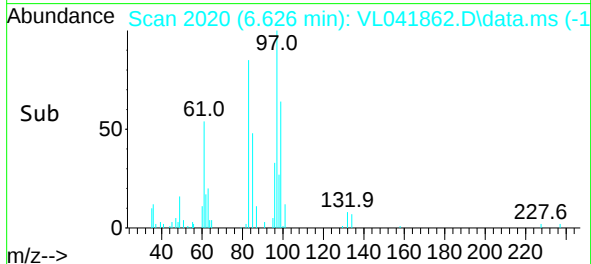
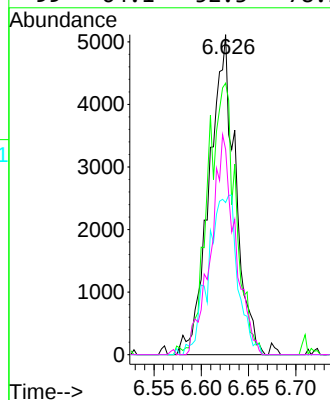
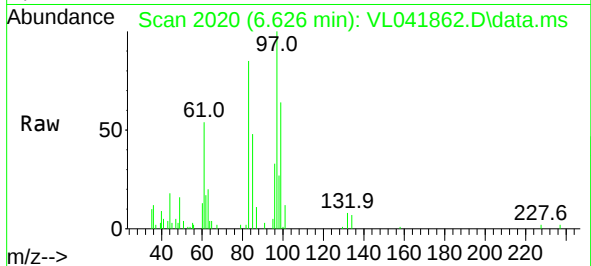
VSTDIC0.5

Tgt Ion:	97	Resp:	988
Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.3	105.5
85	47.6	41.5	62.3
99	64.1	52.3	78.5

Manual Integrations

APPROVED

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



#48

Dibromochloromethane

Concen: 0.640 ppbv

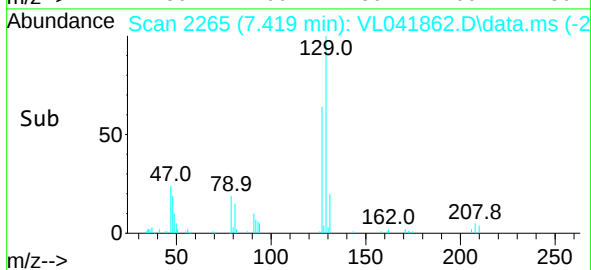
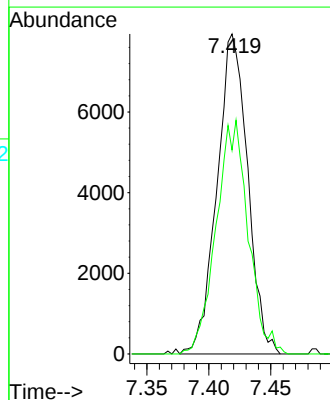
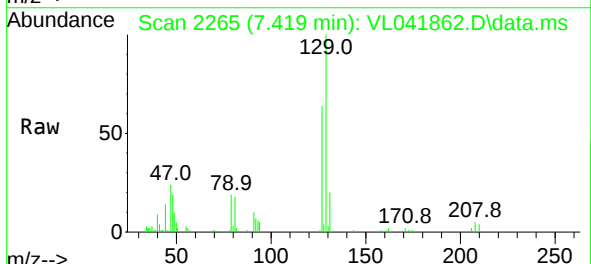
RT: 7.419 min Scan# 2265

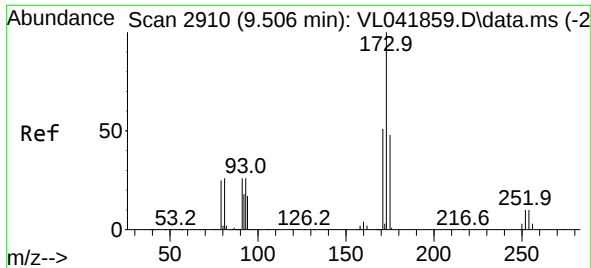
Delta R.T. 0.010 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

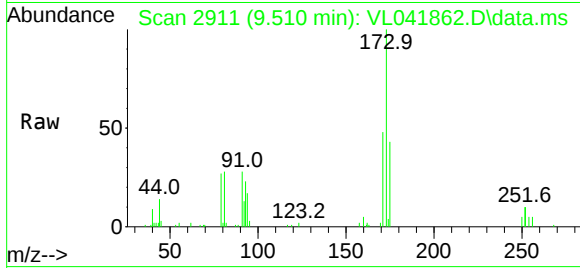
Tgt Ion:	129	Resp:	13671
Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.7	116.1





#49
Bromoform
Concen: 0.654 ppbv
RT: 9.510 min Scan# 2910
Delta R.T. 0.010 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

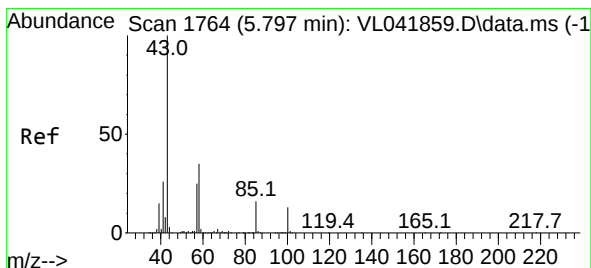
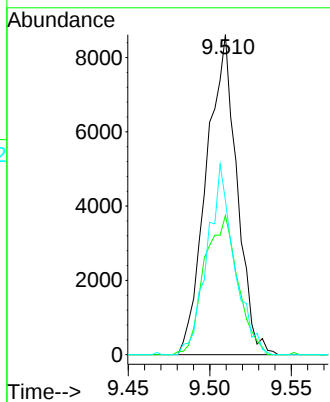
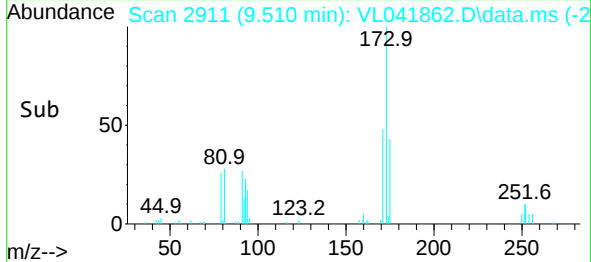
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



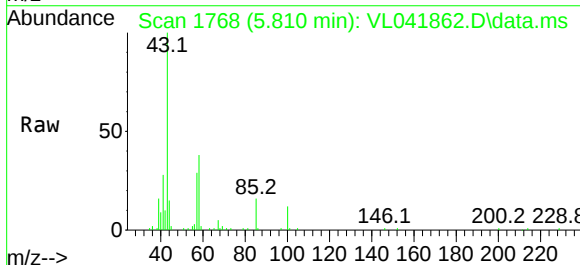
Tgt Ion: 173 Resp: 1120
Ion Ratio Lower Upper
173 100
175 47.6 39.5 59.3
171 53.0 41.5 62.3

Manual Integrations
APPROVED

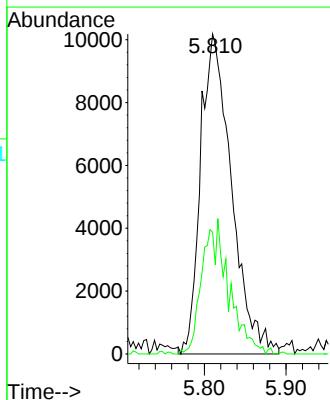
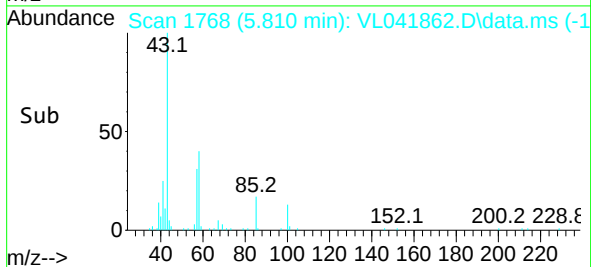
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

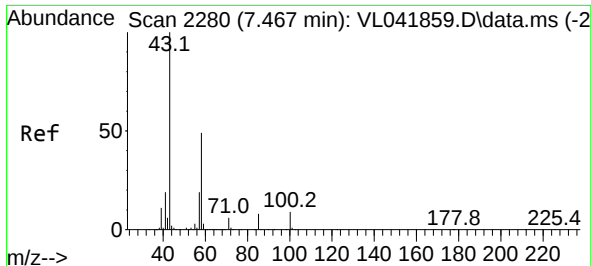


#50
4-Methyl-2-Pentanone
Concen: 0.685 ppbv m
RT: 5.810 min Scan# 1768
Delta R.T. 0.026 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



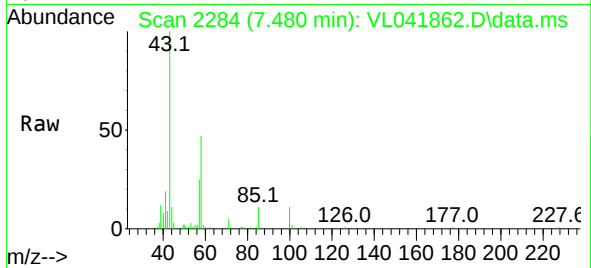
Tgt Ion: 43 Resp: 26751
Ion Ratio Lower Upper
43 100
58 0.0 25.7 38.5





#51
2-Hexanone
Concen: 0.750 ppbv
RT: 7.480 min Scan# 2218
Delta R.T. 0.023 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

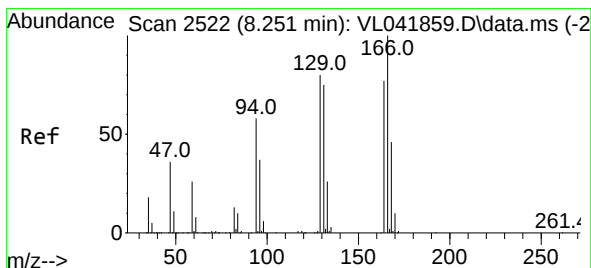
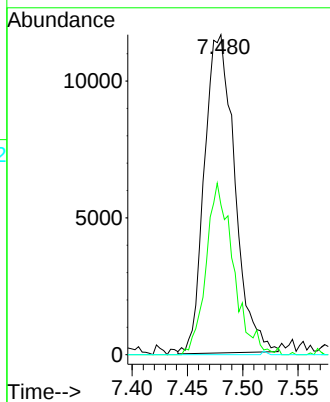
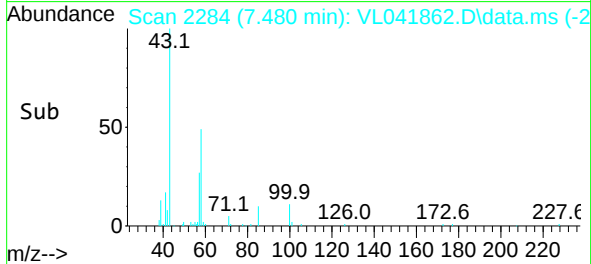
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



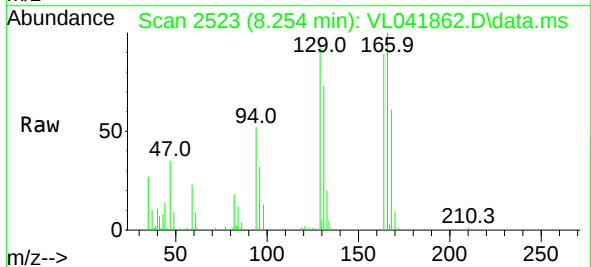
Tgt Ion: 43 Resp: 2218
Ion Ratio Lower Upper
43 100
58 48.7 33.8 50.8
98 0.2 0.7 1.1

Manual Integrations
APPROVED

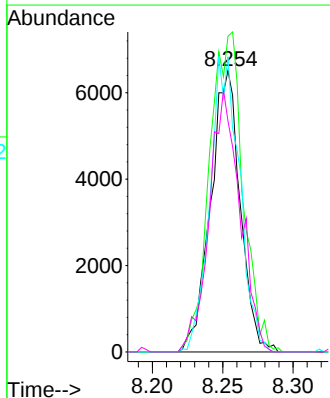
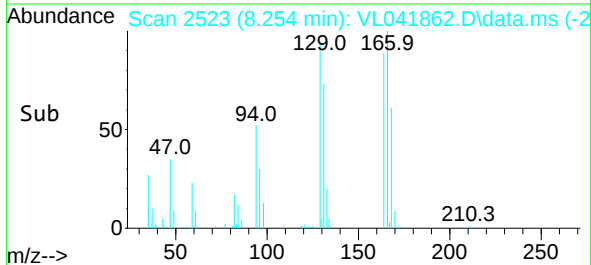
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

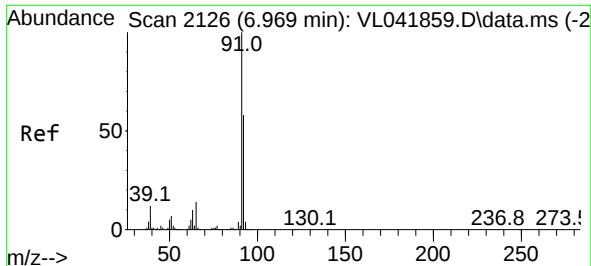


#52
Tetrachloroethene
Concen: 0.785 ppbv
RT: 8.254 min Scan# 2523
Delta R.T. 0.010 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



Tgt Ion:164 Resp: 9543
Ion Ratio Lower Upper
164 100
166 112.2 100.4 150.6
129 105.0 85.9 128.9
131 82.2 82.8 124.2





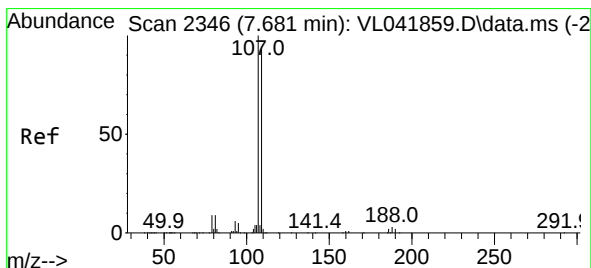
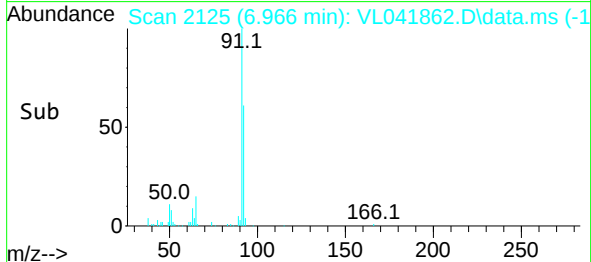
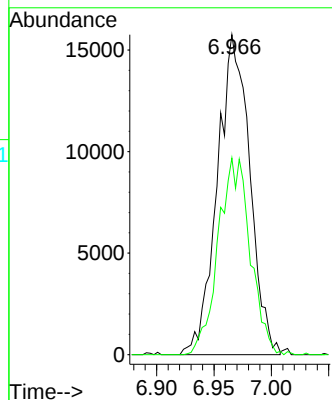
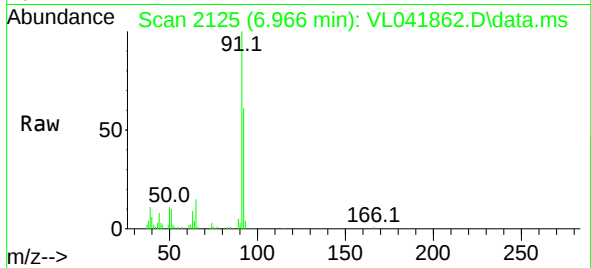
#53
Toluene
Concen: 0.847 ppbv
RT: 6.966 min Scan# 2125
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 3096
Ion Ratio Lower Upper
91 100
92 60.9 47.8 71.6

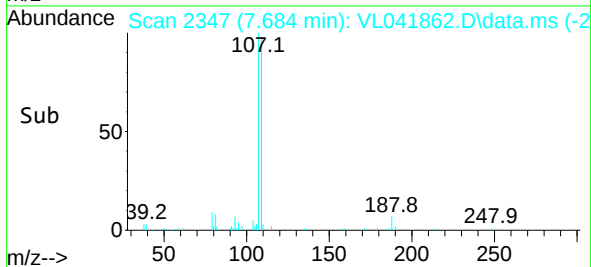
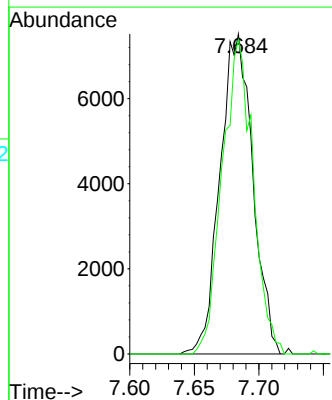
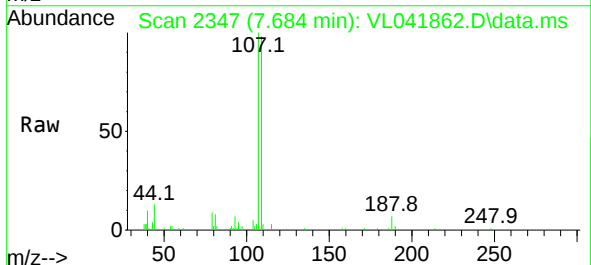
Manual Integrations
APPROVED

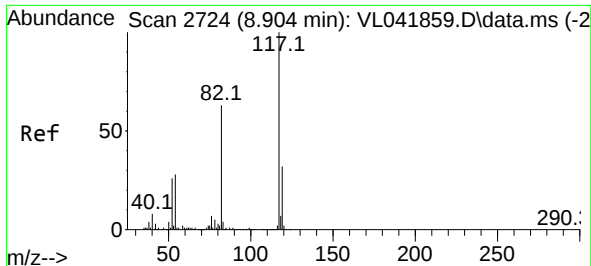
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#54
1,2-Dibromoethane
Concen: 0.646 ppbv
RT: 7.684 min Scan# 2347
Delta R.T. 0.010 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

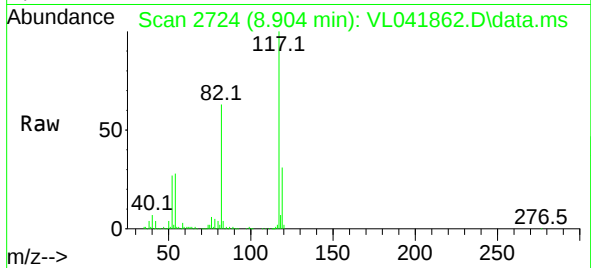
Tgt Ion:107 Resp: 13281
Ion Ratio Lower Upper
107 100
109 98.2 75.9 113.9





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

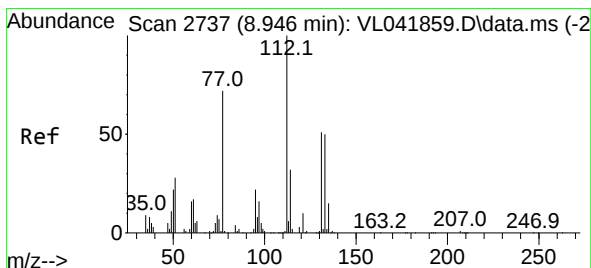
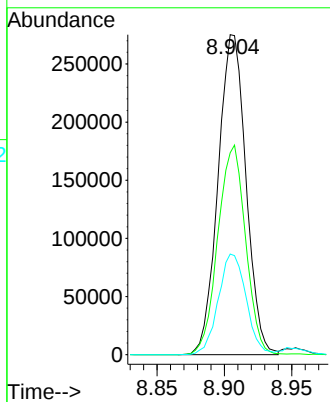
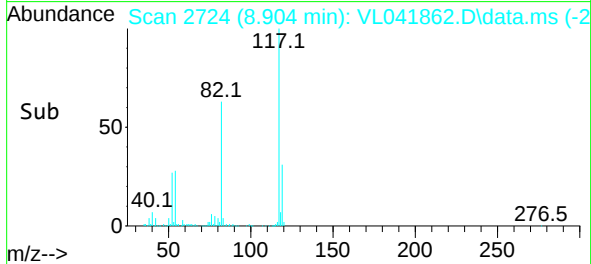
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



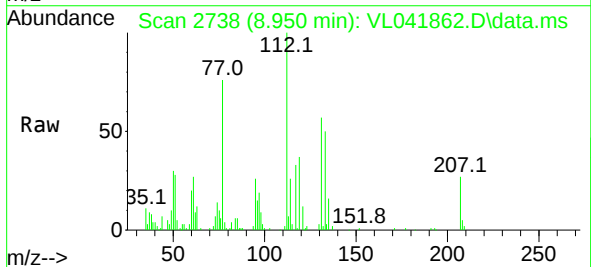
Tgt Ion:117 Resp: 39728
Ion Ratio Lower Upper
117 100
82 65.1 59.1 88.7
119 31.6 27.3 40.9

Manual Integrations
APPROVED

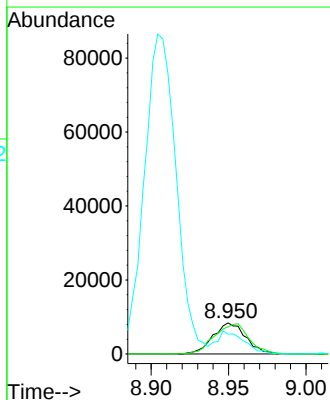
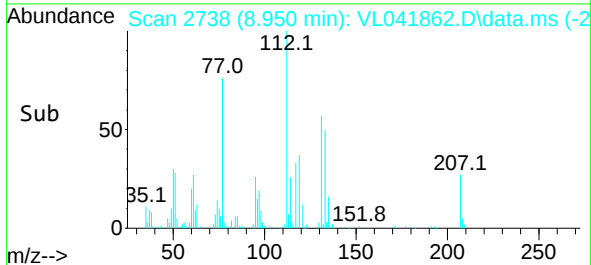
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

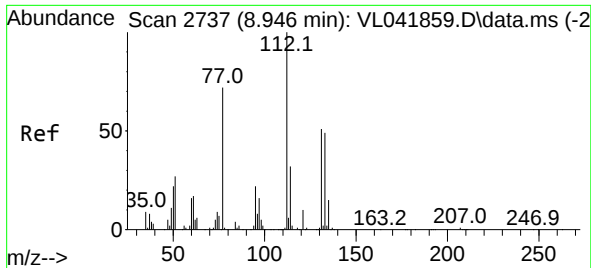


#56
1,1,1,2-Tetrachloroethane
Concen: 0.543 ppbv
RT: 8.950 min Scan# 2738
Delta R.T. 0.010 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



Tgt Ion:131 Resp: 12299
Ion Ratio Lower Upper
131 100
133 103.3 77.3 115.9
119 56.1 50.6 76.0





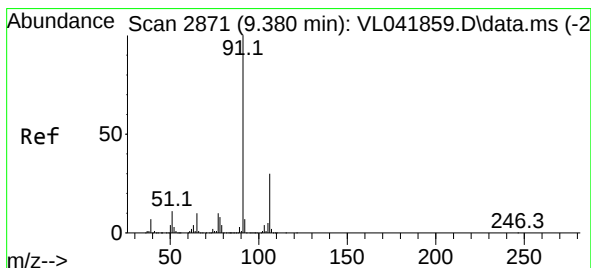
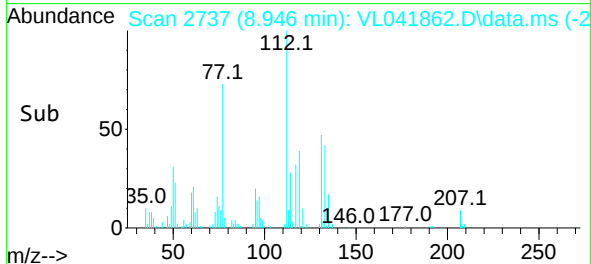
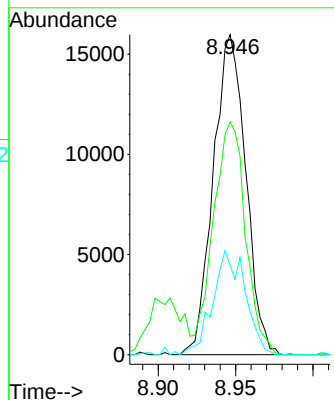
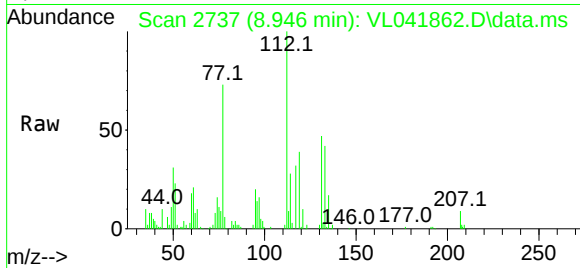
#57
Chlorobenzene
Concen: 0.560 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:112 Resp: 23264
Ion Ratio Lower Upper
112 100
77 72.3 55.1 82.7
114 27.9 28.3 34.5

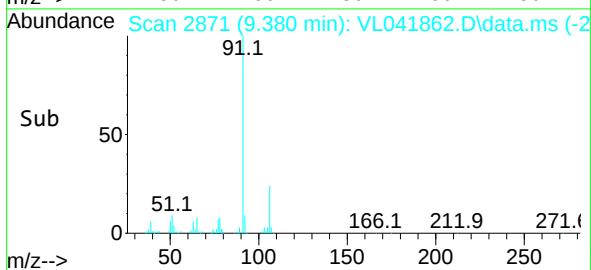
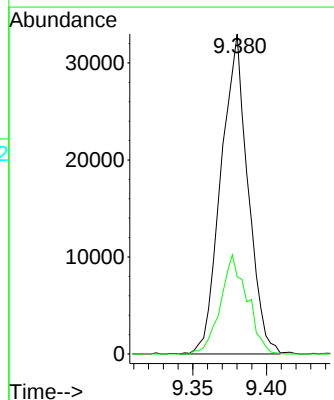
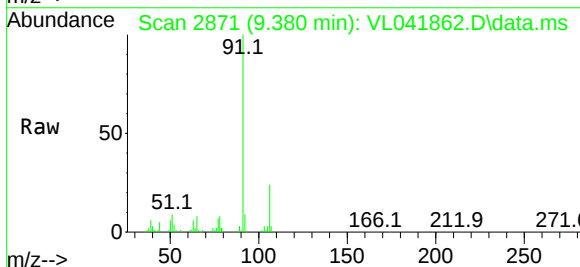
Manual Integrations
APPROVED

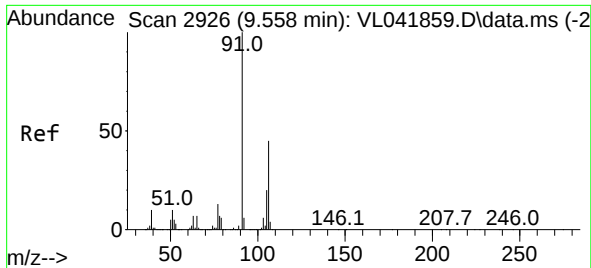
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#58
Ethyl Benzene
Concen: 0.773 ppbv
RT: 9.380 min Scan# 2871
Delta R.T. 0.010 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion: 91 Resp: 41863
Ion Ratio Lower Upper
91 100
106 24.2 23.8 35.8





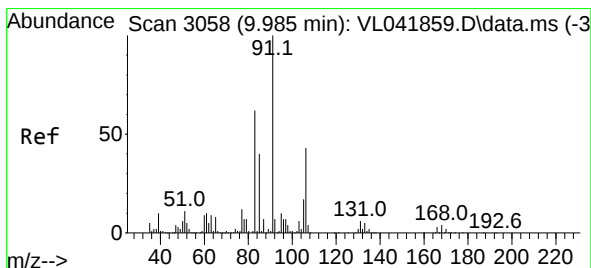
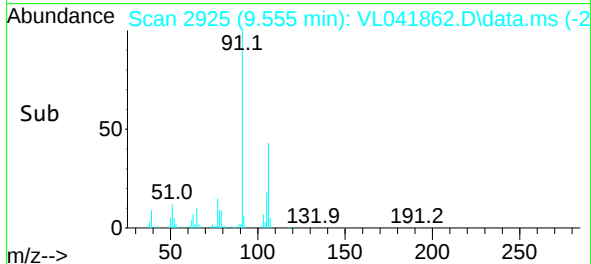
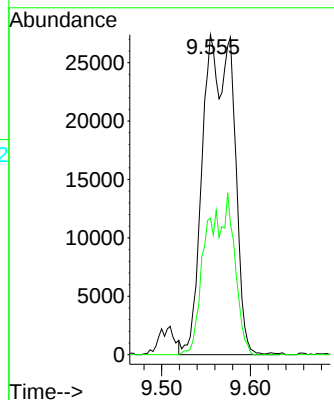
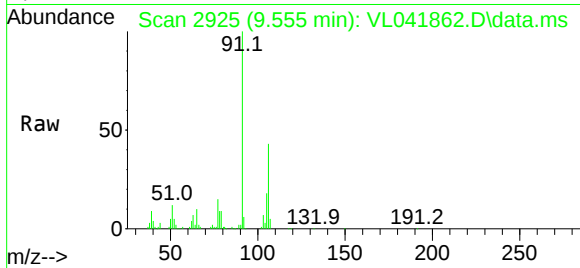
#59
m/p-Xylene
Concen: 1.396 ppbv m
RT: 9.555 min Scan# 2926
Delta R.T. -0.010 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 66710
Ion Ratio Lower Upper
91 100
106 45.5 36.8 55.2

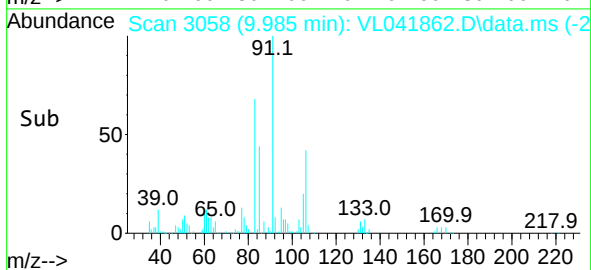
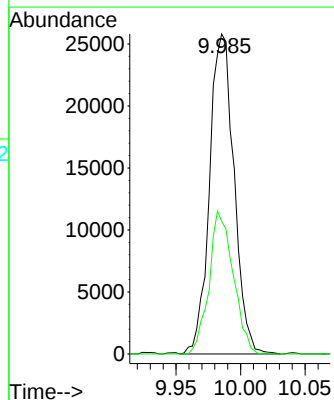
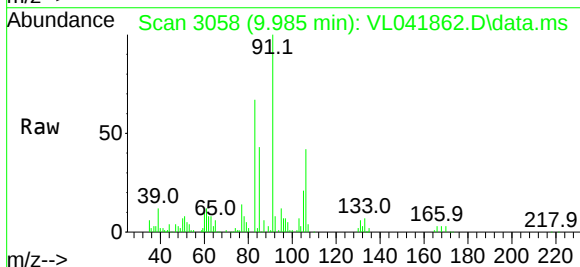
Manual Integrations
APPROVED

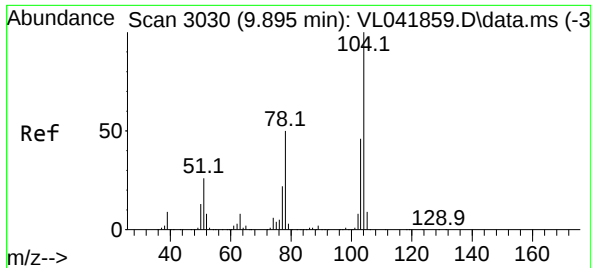
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#60
o-Xylene
Concen: 0.732 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion: 91 Resp: 34021
Ion Ratio Lower Upper
91 100
106 44.1 21.9 65.5





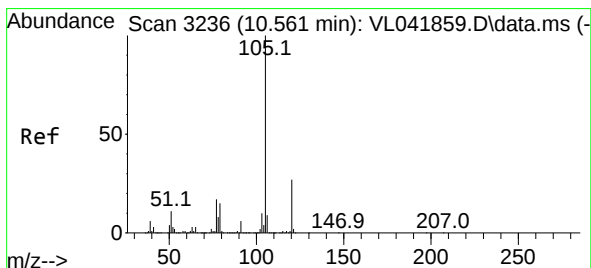
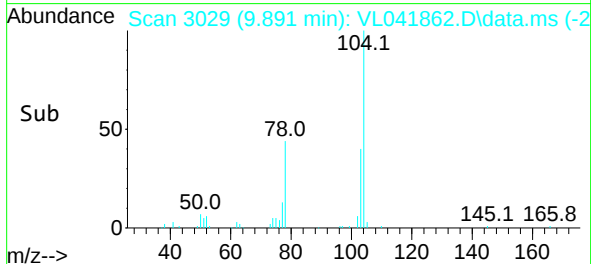
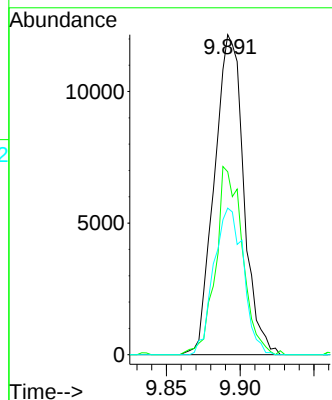
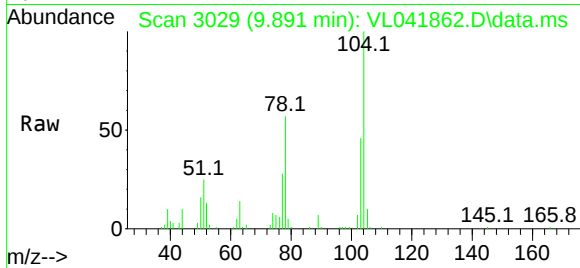
#61
Styrene
Concen: 0.931 ppbv
RT: 9.891 min Scan# 3030
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:104 Resp: 16798
Ion Ratio Lower Upper
104 100
78 53.7 42.8 64.2
103 46.2 37.8 56.6

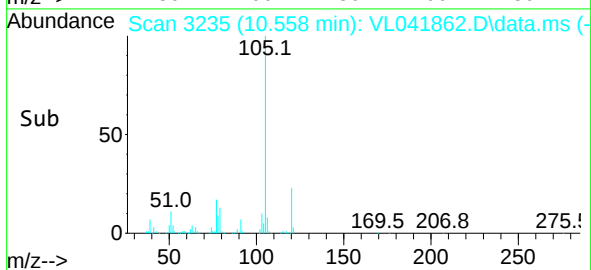
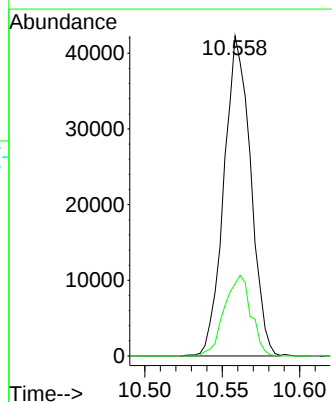
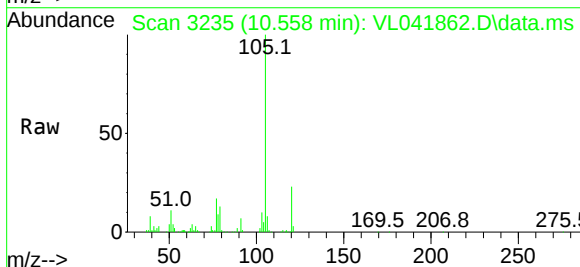
Manual Integrations
APPROVED

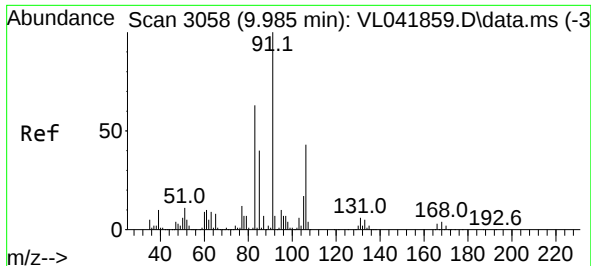
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#62
Isopropylbenzene
Concen: 0.692 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

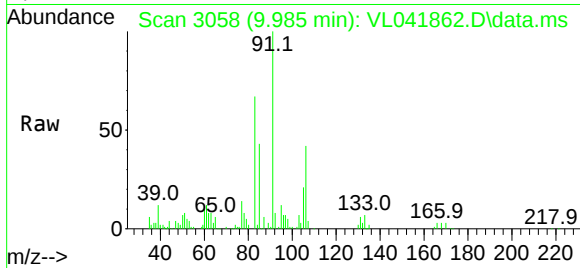
Tgt Ion:105 Resp: 50575
Ion Ratio Lower Upper
105 100
120 25.2 20.4 30.6





#63
1,1,2,2-Tetrachloroethane
Concen: 0.495 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

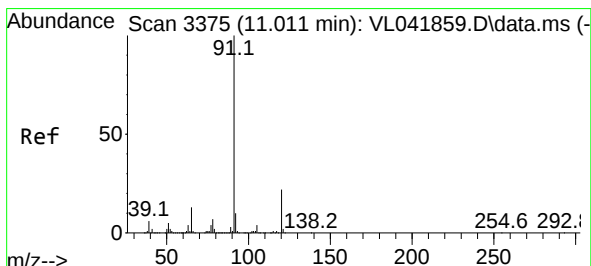
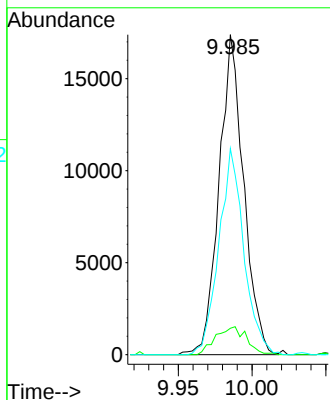
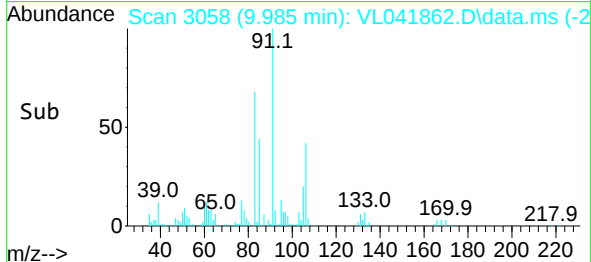
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



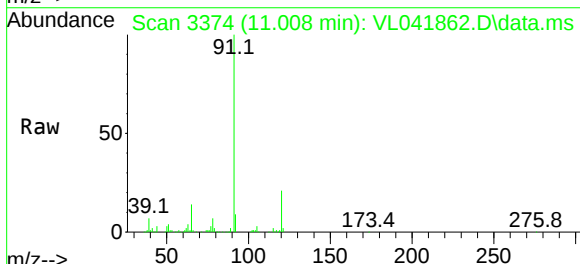
Tgt Ion: 83 Resp: 20172
Ion Ratio Lower Upper
83 100
131 10.9 4.8 14.3
85 65.7 31.9 95.9

Manual Integrations
APPROVED

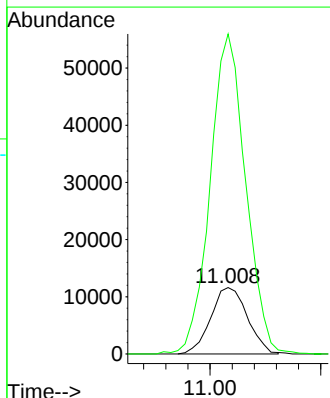
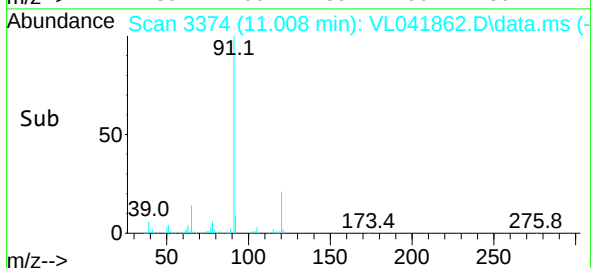
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

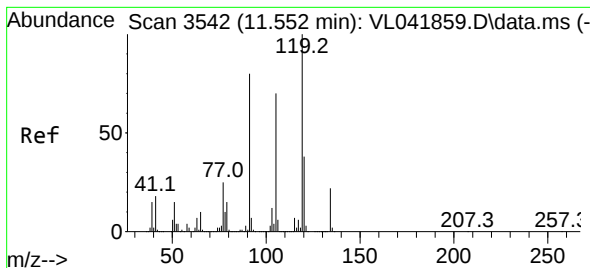


#64
n-propylbenzene
Concen: 0.712 ppbv
RT: 11.008 min Scan# 3374
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



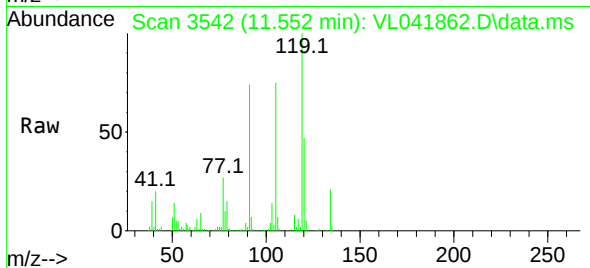
Tgt Ion:120 Resp: 13351
Ion Ratio Lower Upper
120 100
91 466.9 382.1 573.1





#65
tert-Butylbenzene
Concen: 0.700 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

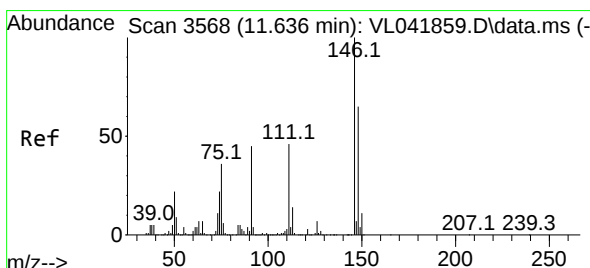
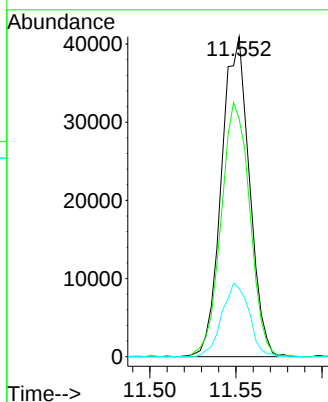
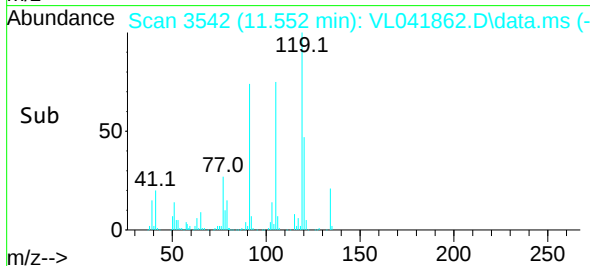
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



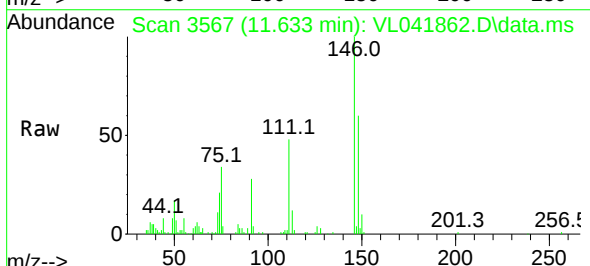
Tgt Ion: 119 Resp: 46079
Ion Ratio Lower Upper
119 100
91 82.2 68.0 102.0
134 22.4 16.2 24.4

Manual Integrations
APPROVED

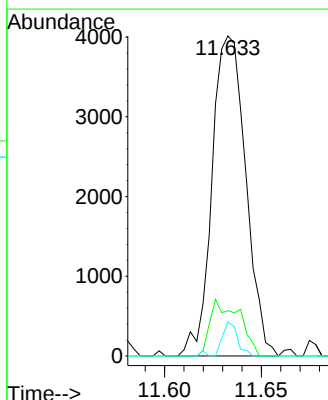
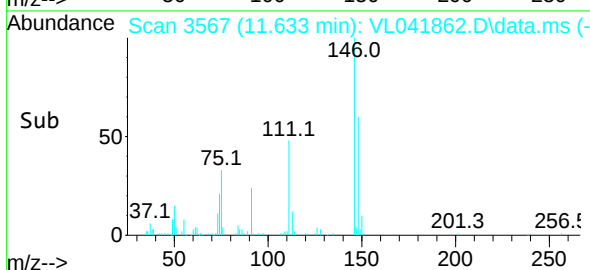
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

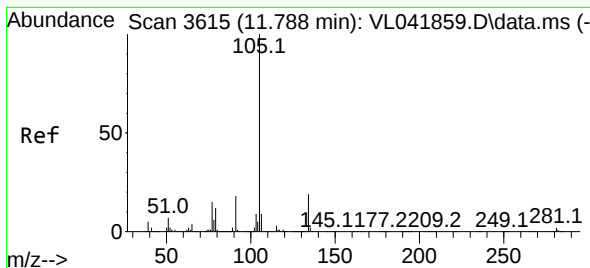


#66
Benzyl Chloride
Concen: 0.883 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



Tgt Ion: 91 Resp: 4858
Ion Ratio Lower Upper
91 100
126 15.4 12.1 18.1
128 5.0 4.3 6.5





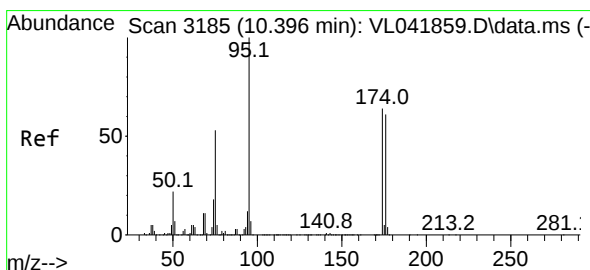
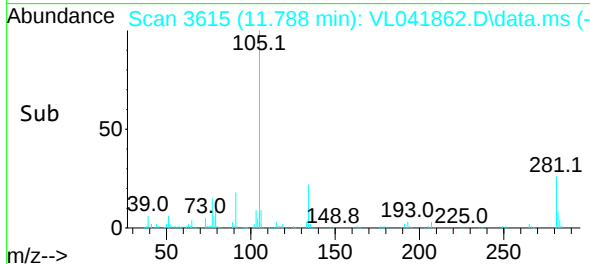
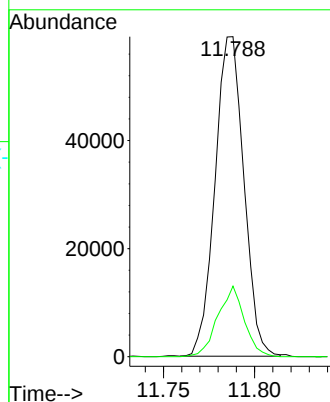
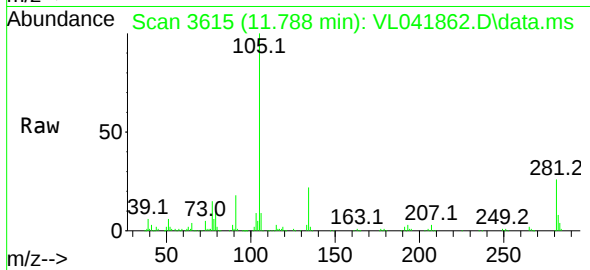
#67
 sec-Butylbenzene
 Concen: 0.677 ppbv
 RT: 11.788 min Scan# 3615
 Delta R.T. 0.007 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:105 Resp: 6500
 Ion Ratio Lower Upper
 105 100
 134 20.3 14.6 22.0

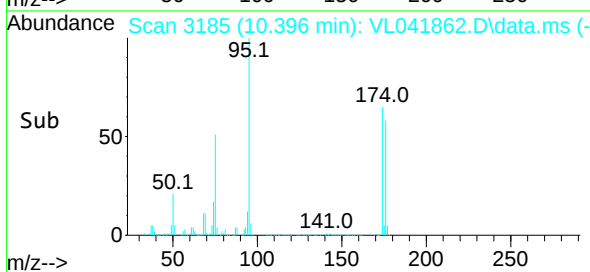
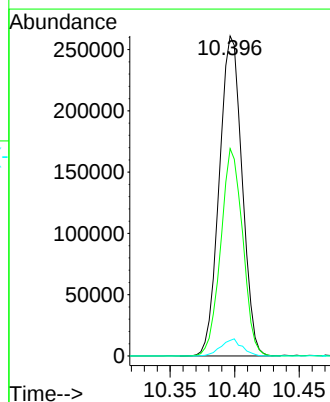
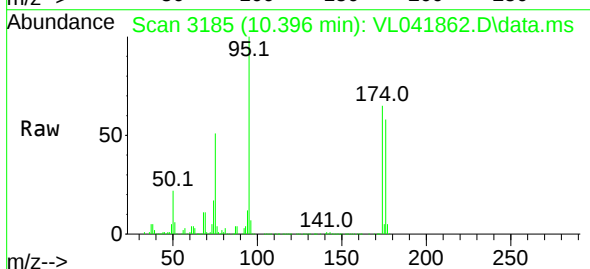
Manual Integrations
 APPROVED

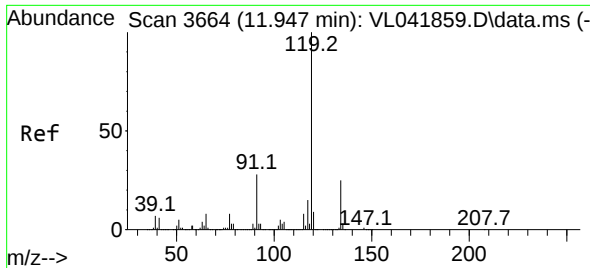
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.411 ppbv
 RT: 10.396 min Scan# 3185
 Delta R.T. 0.007 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

Tgt Ion: 95 Resp: 320213
 Ion Ratio Lower Upper
 95 100
 174 62.5 47.6 71.4
 175 5.0 3.8 5.6





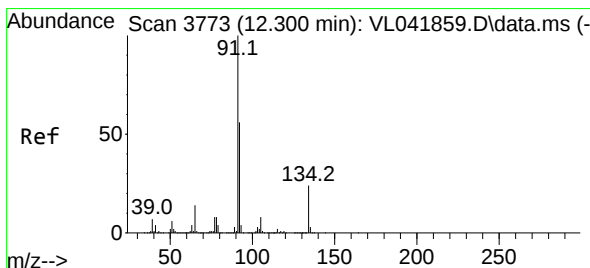
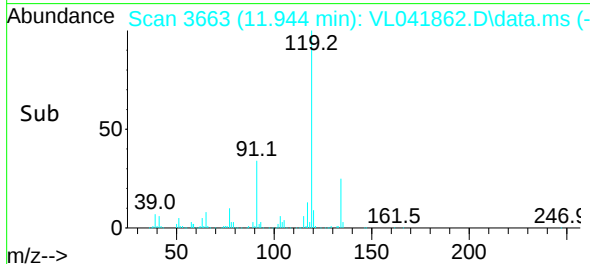
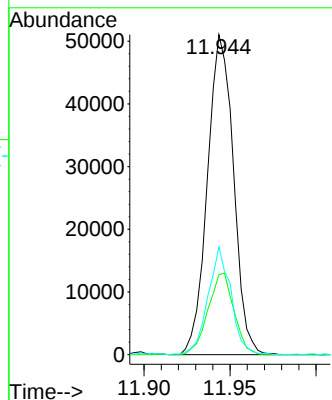
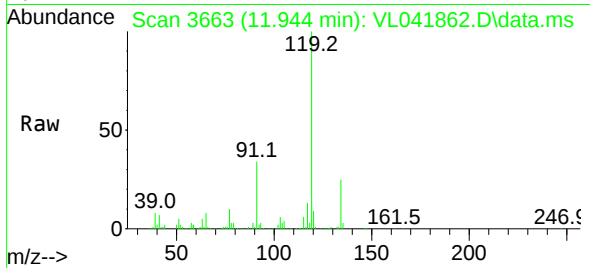
#69
p-Isopropyltoluene
Concen: 0.713 ppbv
RT: 11.944 min Scan# 3663
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 119 Resp: 53789
Ion Ratio Lower Upper
119 100
134 25.4 19.4 29.2
91 30.4 24.0 36.0

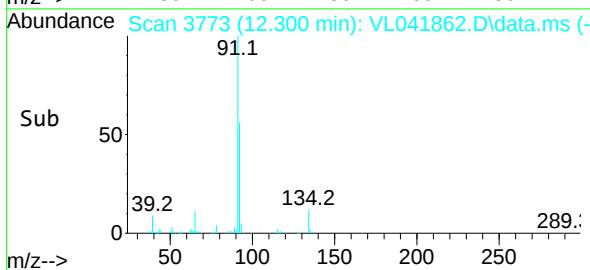
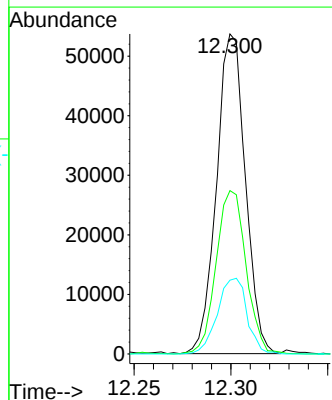
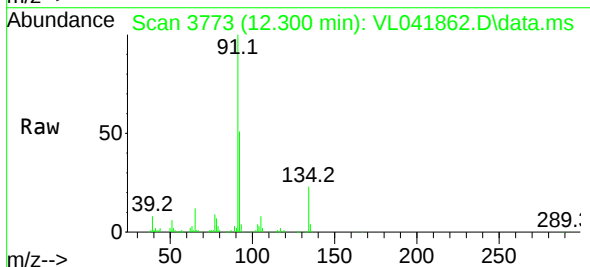
Manual Integrations
APPROVED

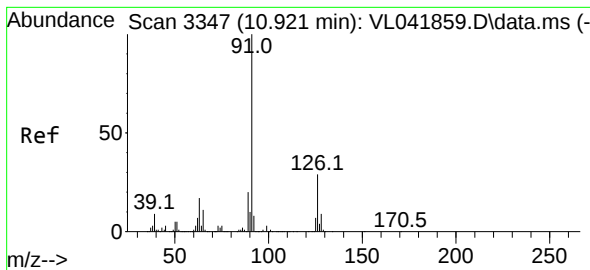
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#70
n-Butylbenzene
Concen: 0.733 ppbv
RT: 12.300 min Scan# 3773
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion: 91 Resp: 55556
Ion Ratio Lower Upper
91 100
92 53.5 42.8 64.2
134 24.3 17.8 26.6





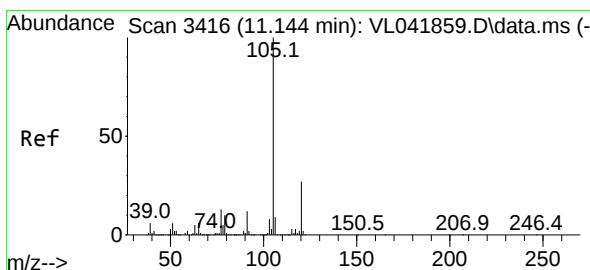
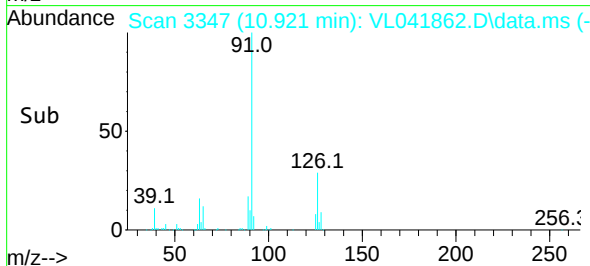
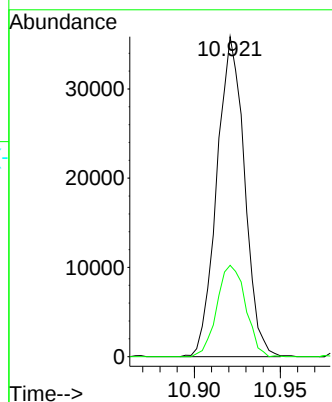
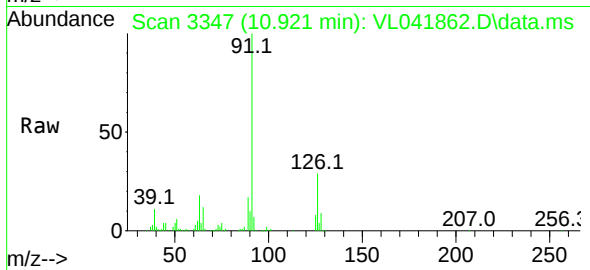
#71
2-Chlorotoluene
Concen: 0.757 ppbv
RT: 10.921 min Scan# 3347
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 40110
Ion Ratio Lower Upper
91 100
126 29.6 11.6 46.6

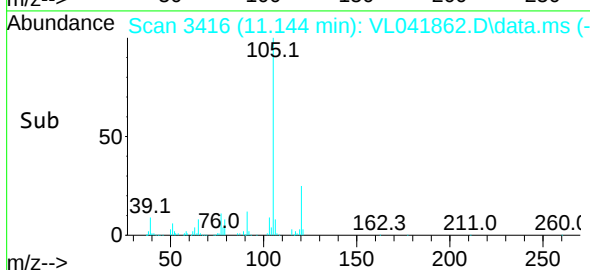
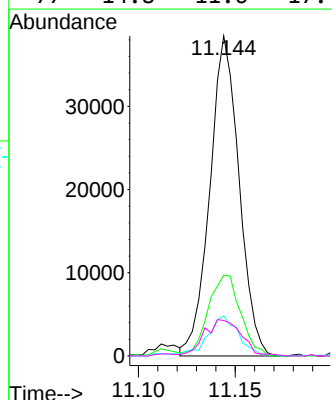
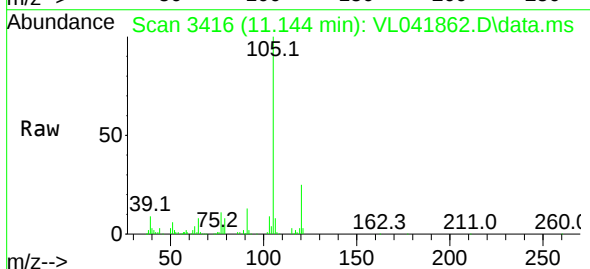
Manual Integrations
APPROVED

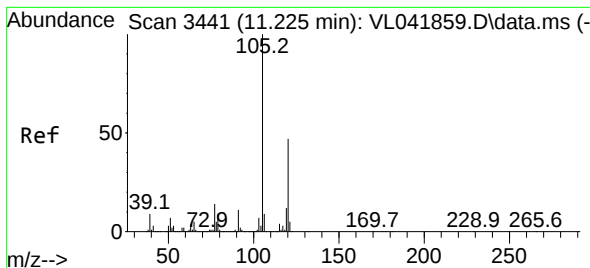
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#72
4-Ethyltoluene
Concen: 0.718 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion:105 Resp: 40352
Ion Ratio Lower Upper
105 100
120 29.5 23.4 35.2
91 13.7 10.8 16.2
77 14.8 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.698 ppbv

RT: 11.222 min Scan# 3441

Delta R.T. 0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:105 Resp: 3436

Ion Ratio Lower Upper

105 100

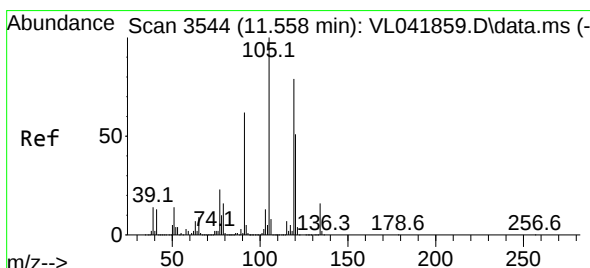
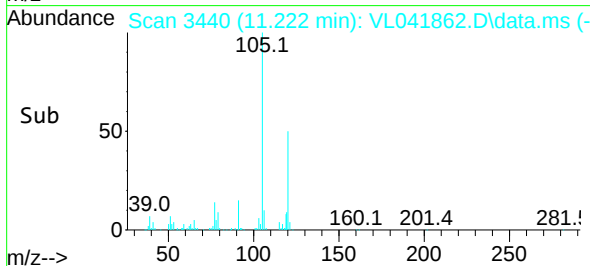
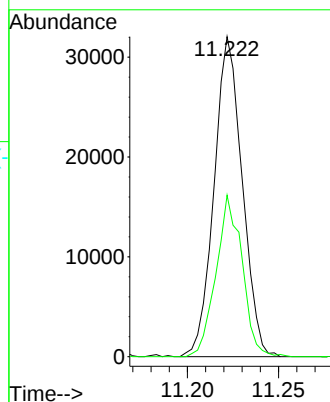
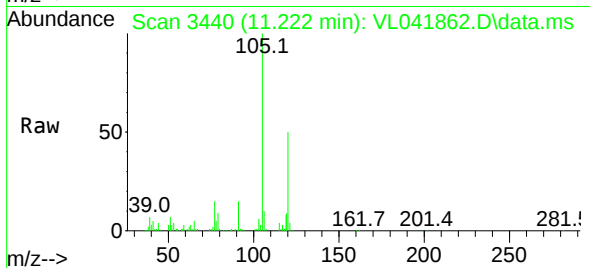
120 50.4 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.665 ppbv

RT: 11.555 min Scan# 3543

Delta R.T. 0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Tgt Ion:105 Resp: 37910

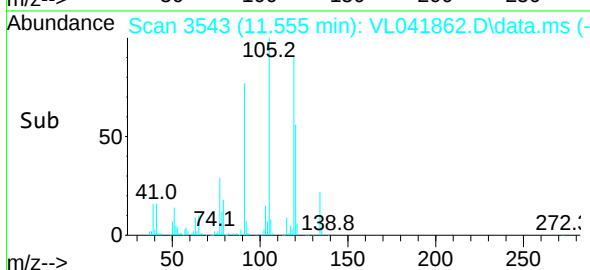
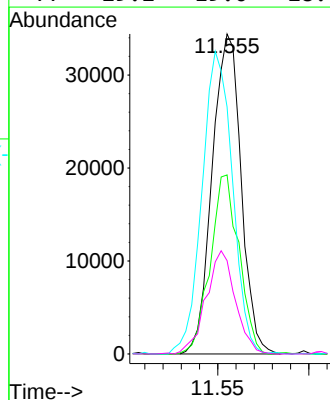
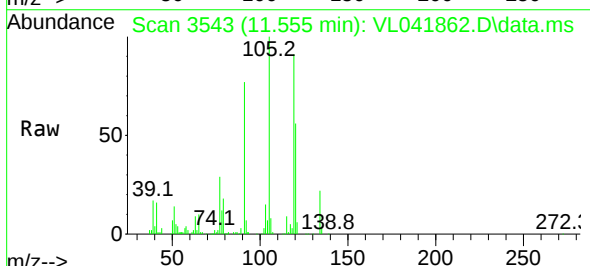
Ion Ratio Lower Upper

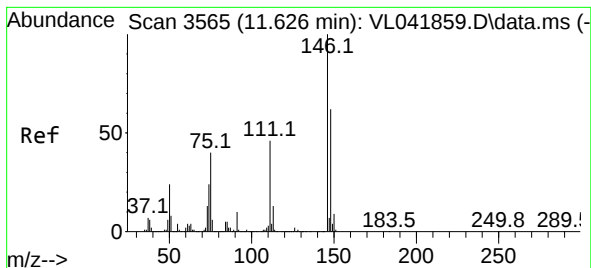
105 100

120 55.8 37.4 56.0

91 77.1 47.4 71.2#

77 29.2 19.0 28.6#





#75

1,3-Dichlorobenzene

Concen: 0.619 ppbv

RT: 11.626 min Scan# 3565

Delta R.T. 0.007 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

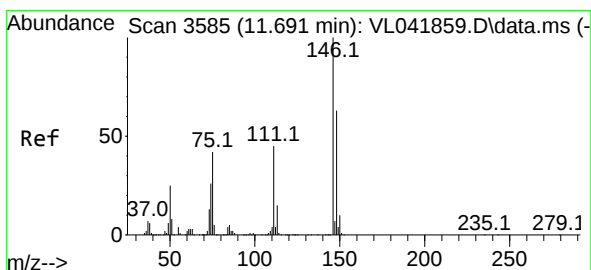
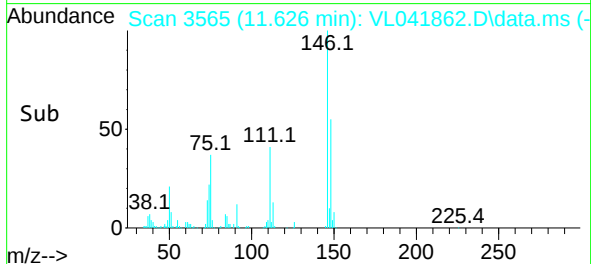
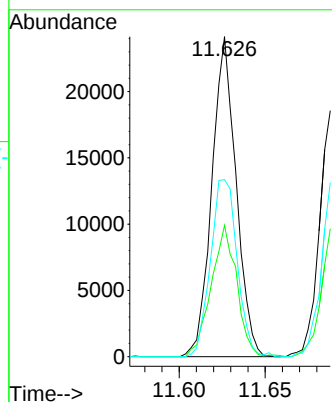
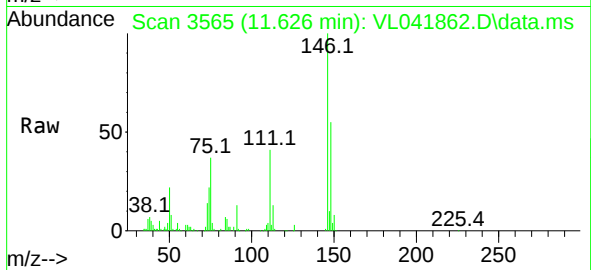
VSTDICC0.5

Tgt Ion:	146	Resp:	2364
Ion Ratio	Lower	Upper	
146	100		
111	43.3	24.1	72.2
148	61.0	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: 0.633 ppbv

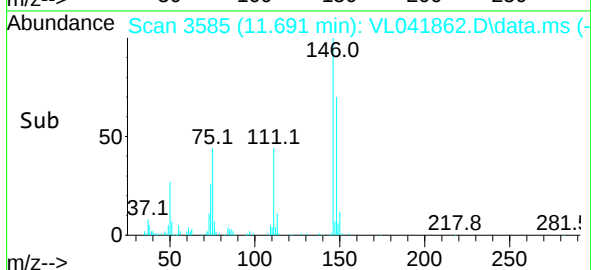
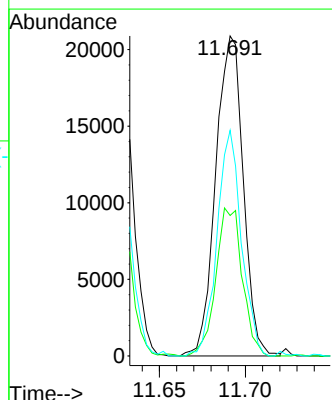
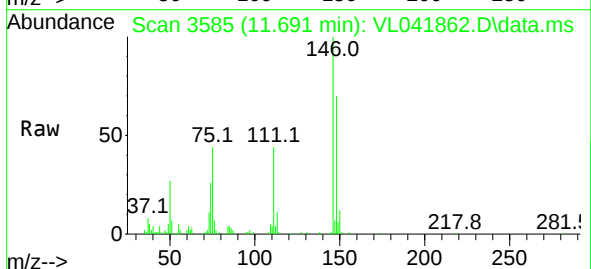
RT: 11.691 min Scan# 3585

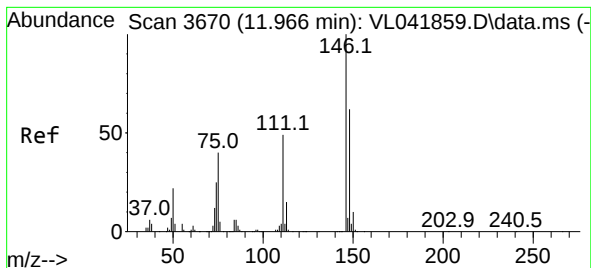
Delta R.T. 0.007 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Tgt Ion:	146	Resp:	23242
Ion Ratio	Lower	Upper	
146	100		
111	44.5	23.2	69.6
148	63.2	32.1	96.3





#77

1,2-Dichlorobenzene

Concen: 0.561 ppbv

RT: 11.966 min Scan# 3670

Delta R.T. 0.007 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

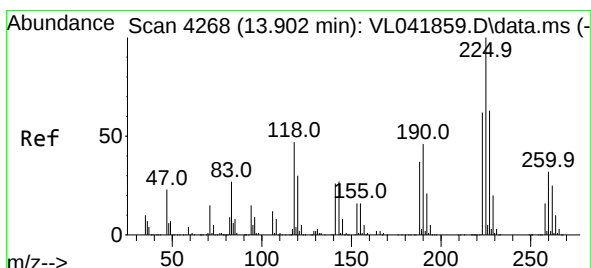
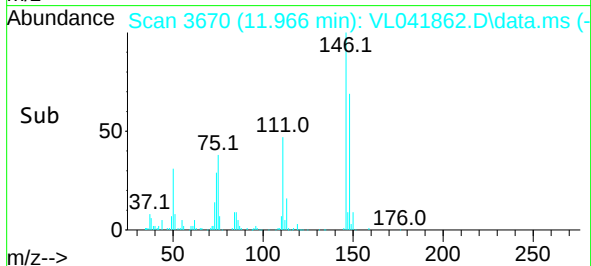
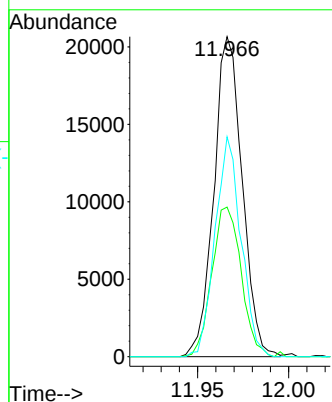
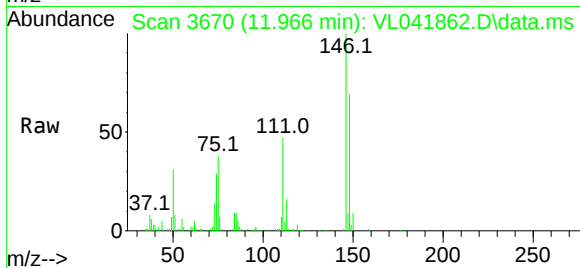
VSTDIC0.5

Tgt Ion:	146	Resp:	2233
Ion Ratio	Lower	Upper	
146	100		
111	48.7	24.7	74.1
148	62.9	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: 0.703 ppbv

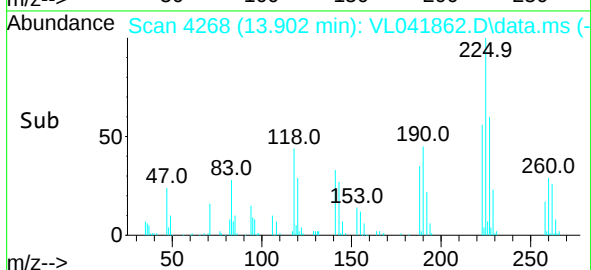
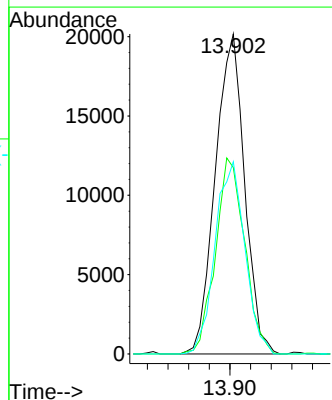
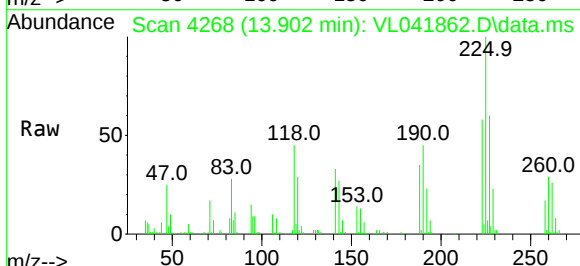
RT: 13.902 min Scan# 4268

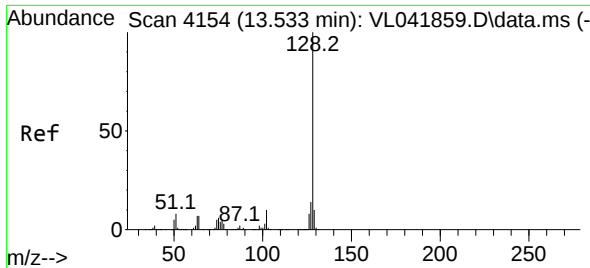
Delta R.T. 0.007 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

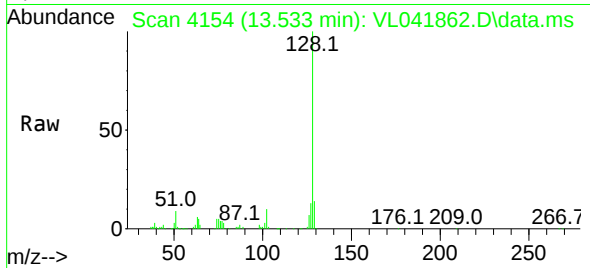
Tgt Ion:	225	Resp:	19853
Ion Ratio	Lower	Upper	
225	100		
223	61.4	50.4	75.6
227	61.1	51.2	76.8





#79
Naphthalene
Concen: 1.007 ppbv
RT: 13.533 min Scan# 4154
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

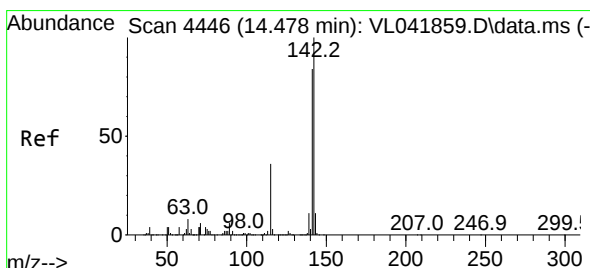
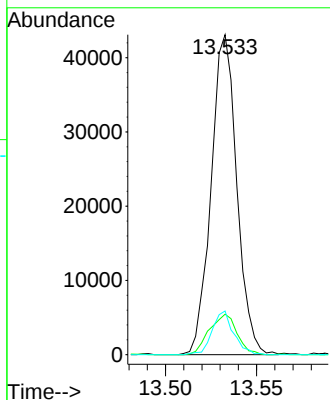
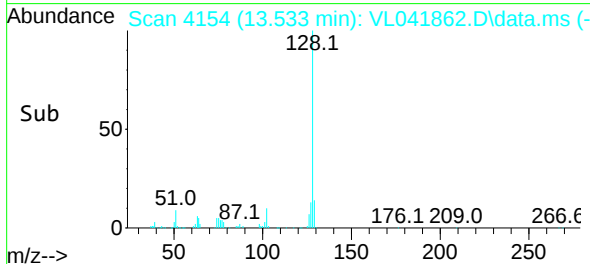
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



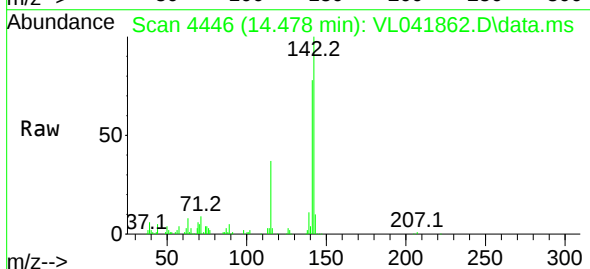
Tgt Ion:128 Resp: 4233
Ion Ratio Lower Upper
128 100
127 12.6 10.5 15.7
129 13.7 8.2 12.4

Manual Integrations
APPROVED

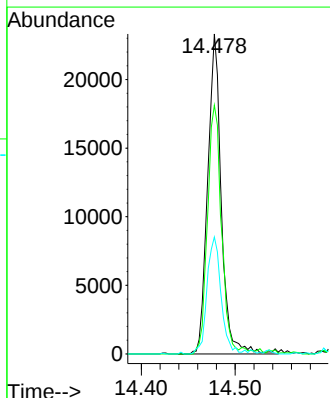
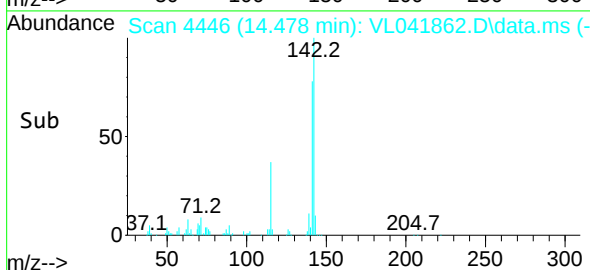
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

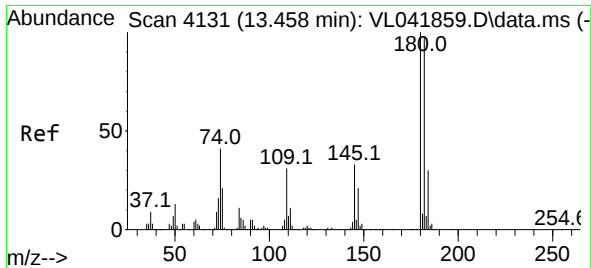


#80
Naphthalene,2-methyl-
Concen: 1.513 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



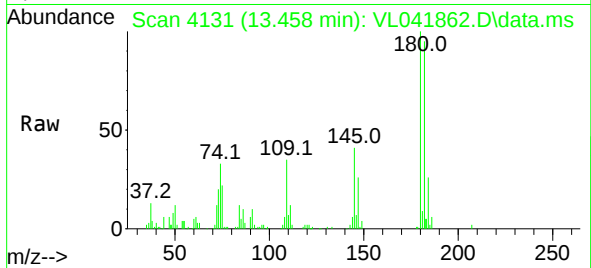
Tgt Ion:142 Resp: 23524
Ion Ratio Lower Upper
142 100
141 82.2 67.8 101.6
115 37.6 32.7 49.1





#81
 1,2,4-Trichlorobenzene
 Concen: 0.858 ppbv
 RT: 13.458 min Scan# 4131
 Delta R.T. 0.003 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.9	113.9
184	28.1	24.8	37.2

Manual Integrations
 APPROVED

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

