

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091025\
 Data File : VL042923.D
 Acq On : 10 Sep 2025 11:15
 Operator : SY/MD
 Sample : VL0910ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/11/2025
 Supervised By : Mahesh Dadoda 09/11/2025

Quant Time: Sep 11 01:11:01 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Tue Sep 09 00:52:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	144213	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	359262	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.881	117	297345	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 239057 10.720 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 107.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	221043	10.458	ppbv	100
3) Chlorodifluoromethane	1.473	51	242940	10.399	ppbv	98
4) Chloromethane	1.531	50	83483	9.788	ppbv	99
5) Vinyl Chloride	1.580	62	76726	9.134	ppbv	94
6) Bromomethane	1.667	94	31758	9.456	ppbv	97
7) Chloroethane	1.703	64	31204	9.512	ppbv	90
8) Dichlorotetrafluoroethane	1.554	85	174948	10.115	ppbv	97
9) Propene	1.479	41	9933m	0.985	ppbv	
10) Heptane	4.975	43	257575	9.532	ppbv	98
11) Trichlorofluoromethane	1.877	101	205050	9.833	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	150856	9.077	ppbv	99
13) Ethanol	1.722	45	7091	7.687	ppbv	94
14) Bromoethene	1.780	108	56638	9.413	ppbv	97
15) Acetone	1.835	43	158979	8.334	ppbv	99
16) 1,3-Butadiene	1.609	39	75764	8.761	ppbv	98
17) tert-Butyl alcohol	2.039	59	169191	7.479	ppbv	98
18) 1,1-Dichloroethene	2.033	96	70847	9.696	ppbv	98
19) Isopropyl Alcohol	1.884	45	95301	8.364	ppbv #	38
20) Methylene Chloride	2.059	84	59956	7.503	ppbv	89
21) Allyl Chloride	2.094	41	120472	8.939	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	81412	9.630	ppbv	94
23) Vinyl Acetate	2.463	43	243847	9.296	ppbv #	98
24) 1,1-Dichloroethane	2.408	63	162104	9.602	ppbv	99
25) Ethyl Acetate	2.835	43	455568	9.867	ppbv	98
26) Hexane	2.822	57	202096	9.483	ppbv	93
27) Carbon Disulfide	2.149	76	198034	9.549	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	87510	8.053	ppbv	95
29) Chloroform	2.848	83	299968	9.859	ppbv	98
30) Cyclohexane	3.855	84	162101	8.676	ppbv	94
31) cis-1,2-Dichloroethene	2.719	61	186454	8.759	ppbv	93
32) 1,1,1-Trichloroethane	3.366	97	276772	8.607	ppbv	96
34) 2-Butanone	2.557	43	285943	11.787	ppbv	97
35) Carbon Tetrachloride	3.761	117	284318	11.479	ppbv	97
36) Benzene	3.654	78	391321	11.375	ppbv	97
37) 1,2-Dichloroethane	3.217	62	224329	12.481	ppbv	98
38) Trichloroethene	4.544	130	161710	10.292	ppbv	98
39) 1,2-Dichloropropane	4.311	63	148506	11.819	ppbv	93
40) 1,4-Dioxane	4.583	88	59487	9.957	ppbv #	89
41) Tetrahydrofuran	3.052	42	153801	11.372	ppbv	97
42) Bromodichloromethane	4.486	83	324553	12.118	ppbv	99
43) Methyl Methacrylate	4.878	69	148932	10.509	ppbv	98
44) 2,2,4-Trimethylpentane	4.638	57	694873	11.900	ppbv	98
45) t-1,3-Dichloropropene	6.415	75	150074	9.383	ppbv	93

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

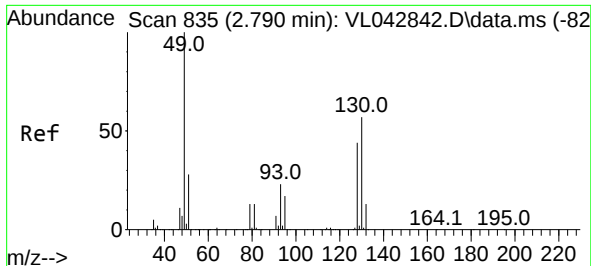
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue Sep 09 00:52:26 2025

Response via : Initial Calibration

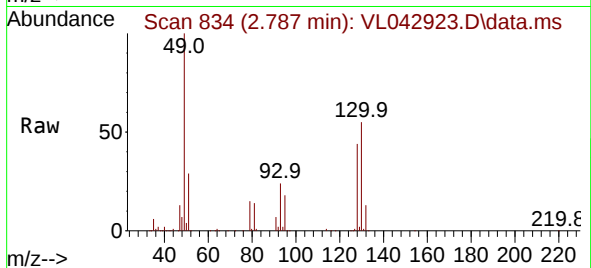
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.599	75	208230	10.449	ppbv	99
47) 1,1,2-Trichloroethane	6.580	97	155939	11.714	ppbv	98
48) Dibromochloromethane	7.386	129	245474	11.395	ppbv	99
49) Bromoform	9.483	173	197231	11.102	ppbv	100
50) 4-Methyl-2-Pentanone	5.748	43	382819	11.675	ppbv	97
51) 2-Hexanone	7.435	43	302643	11.729	ppbv #	94
52) Tetrachloroethene	8.221	164	115064	9.245	ppbv	94
53) Toluene	6.933	91	421930	10.316	ppbv	99
54) 1,2-Dibromoethane	7.652	107	217893	11.200	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.924	131	183667	11.945	ppbv	97
57) Chlorobenzene	8.920	112	341190	12.068	ppbv	98
58) Ethyl Benzene	9.354	91	596255	11.363	ppbv	98
59) m/p-Xylene	9.551	91	985225m	23.955	ppbv	
60) o-Xylene	9.962	91	495429	11.975	ppbv	99
61) Styrene	9.872	104	200674	10.352	ppbv	100
62) Isopropylbenzene	10.539	105	702444	11.618	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.962	83	299163	13.149	ppbv	100
64) n-propylbenzene	10.989	120	180169	11.679	ppbv	91
65) tert-Butylbenzene	11.529	119	608720	11.420	ppbv	97
66) Benzyl Chloride	11.616	91	56398	8.335	ppbv	99
67) sec-Butylbenzene	11.769	105	890610	11.904	ppbv	98
69) p-Isopropyltoluene	11.924	119	719966	11.209	ppbv	99
70) n-Butylbenzene	12.280	91	773841	12.147	ppbv	97
71) 2-Chlorotoluene	10.901	91	532195	11.336	ppbv	97
72) 4-Ethyltoluene	11.124	105	586546	11.695	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	490288	11.495	ppbv	100
74) 1,2,4-Trimethylbenzene	11.535	105	552511	11.802	ppbv	95
75) 1,3-Dichlorobenzene	11.607	146	315165	11.842	ppbv	99
76) 1,4-Dichlorobenzene	11.671	146	311459	11.572	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	311221	11.942	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	178304	8.348	ppbv	99
79) Naphthalene	13.513	128	453434	10.683	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	121054	7.633	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	218326	10.235	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

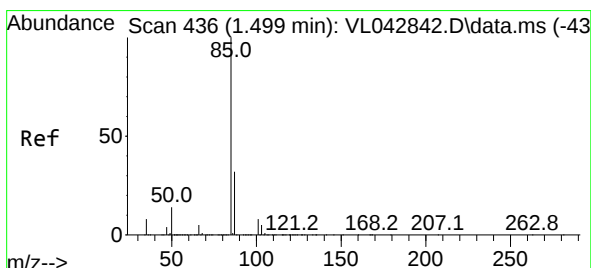
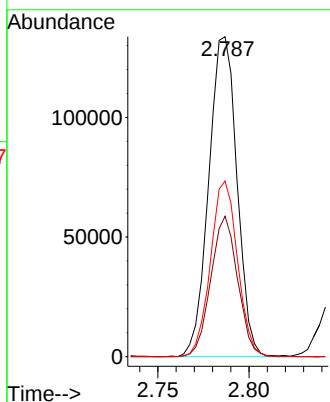
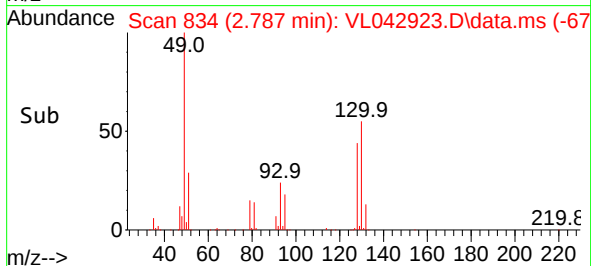
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01



Tgt Ion: 49 Resp: 14421
Ion Ratio Lower Upper
49 100
128 41.7 23.7 71.1
130 52.6 30.6 91.6

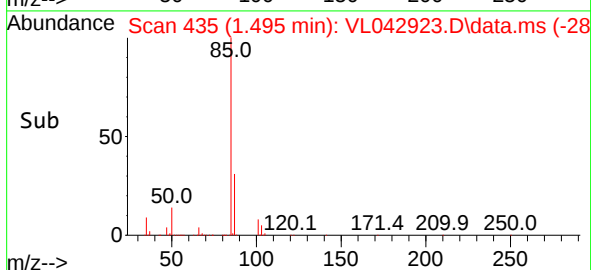
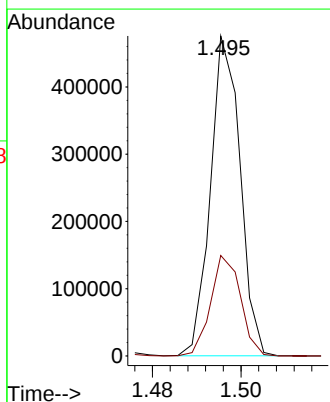
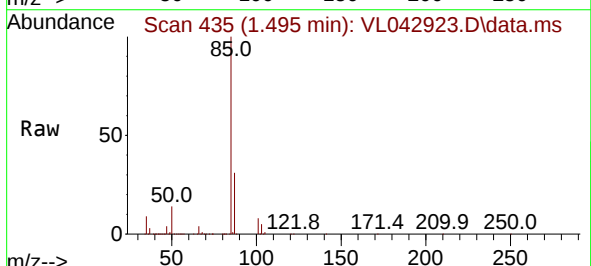
Manual Integrations
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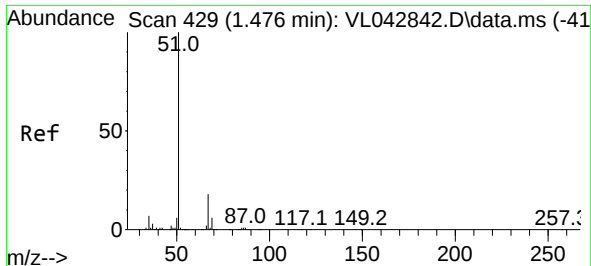
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#2
Dichlorodifluoromethane
Concen: 10.458 ppbv
RT: 1.495 min Scan# 435
Delta R.T. 0.003 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

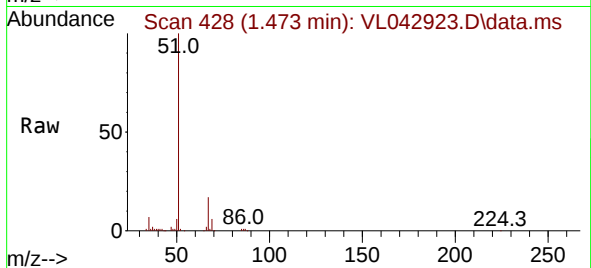
Tgt Ion: 85 Resp: 221043
Ion Ratio Lower Upper
85 100
87 31.4 25.3 37.9





#3
Chlorodifluoromethane
Concen: 10.399 ppbv
RT: 1.473 min Scan# 429
Delta R.T. 0.003 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

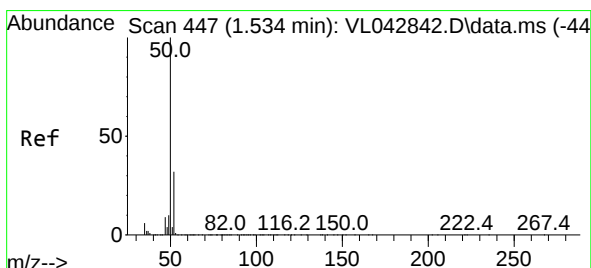
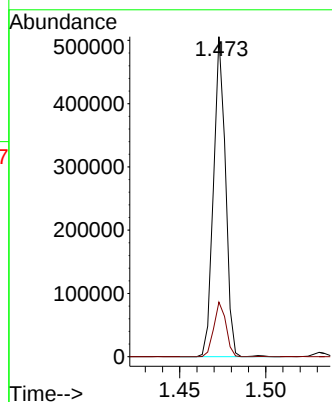
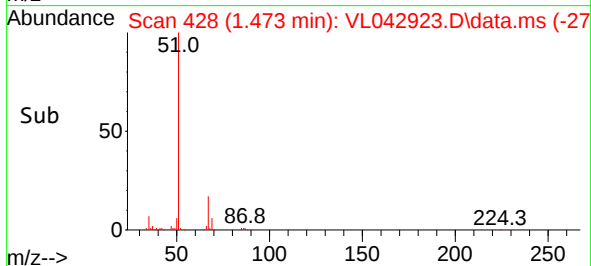
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01



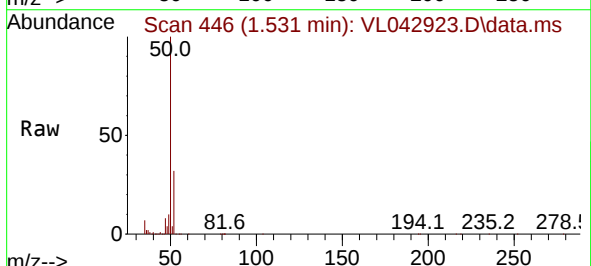
Tgt Ion: 51 Resp: 242940
Ion Ratio Lower Upper
51 100
67 17.5 14.9 22.3

Manual Integrations
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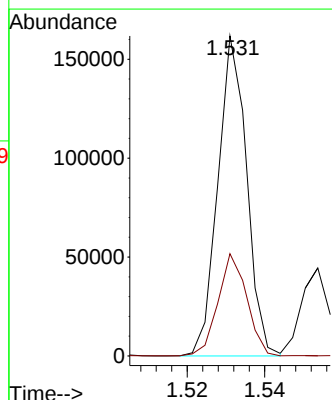
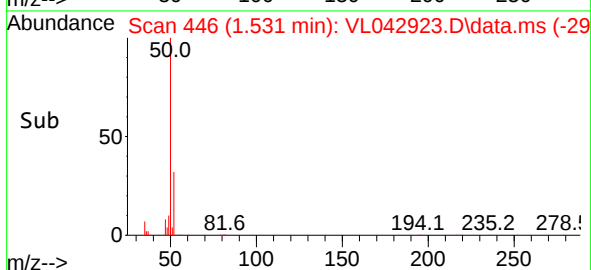
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

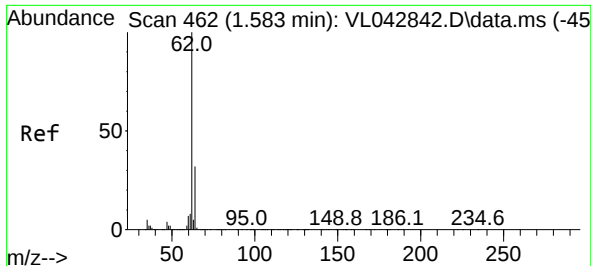


#4
Chloromethane
Concen: 9.788 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15



Tgt Ion: 50 Resp: 83483
Ion Ratio Lower Upper
50 100
52 31.9 25.9 38.9





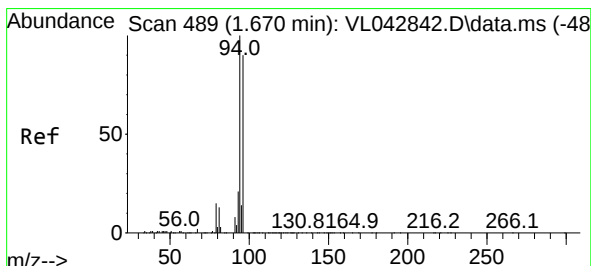
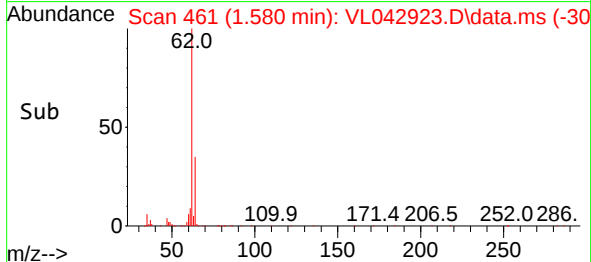
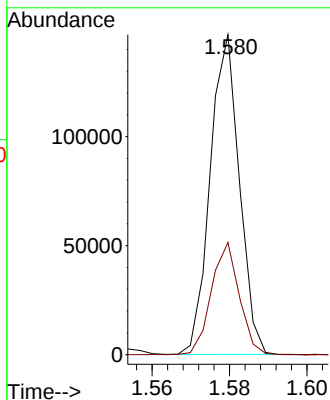
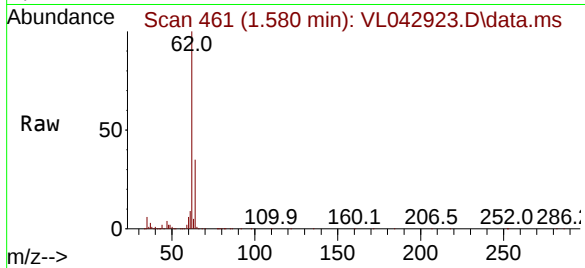
#5
 Vinyl Chloride
 Concen: 9.134 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tgt Ion: 62 Resp: 76720
 Ion Ratio Lower Upper
 62 100
 64 35.0 25.4 38.2

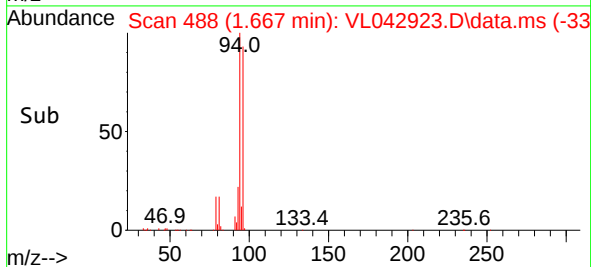
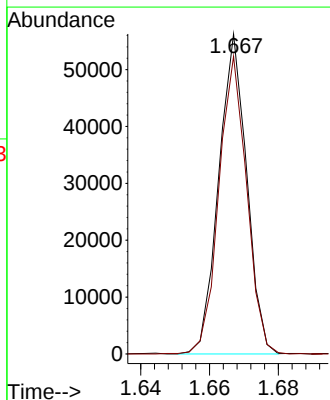
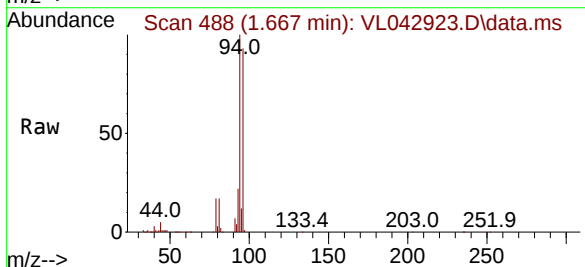
Manual Integrations
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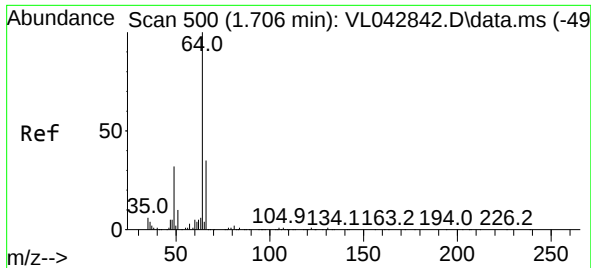
Reviewed By :Semsettin Yesilyurt 09/11/2025
 Supervised By :Mahesh Dadoda 09/11/2025



#6
 Bromomethane
 Concen: 9.456 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

Tgt Ion: 94 Resp: 31758
 Ion Ratio Lower Upper
 94 100
 96 92.9 72.1 108.1





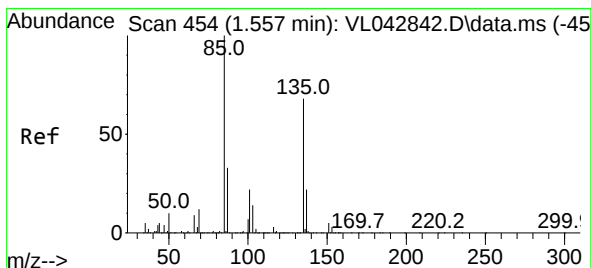
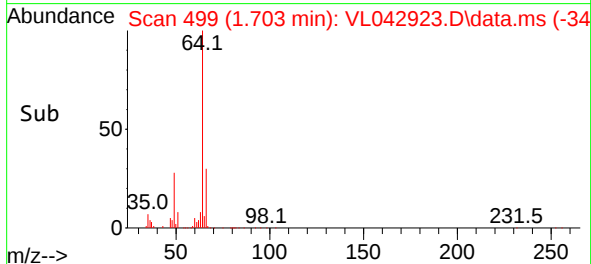
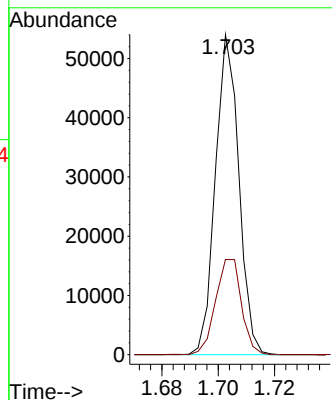
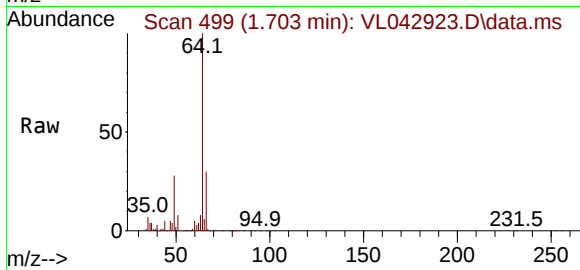
#7
Chloroethane
Concen: 9.512 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.003 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 64 Resp: 31204
Ion Ratio Lower Upper
64 100
66 29.7 28.6 42.8

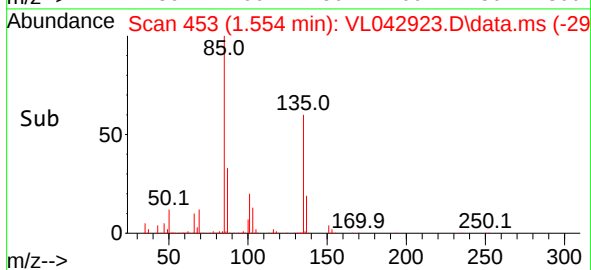
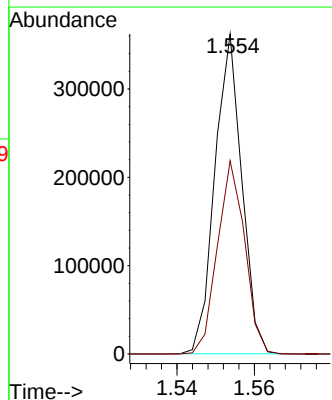
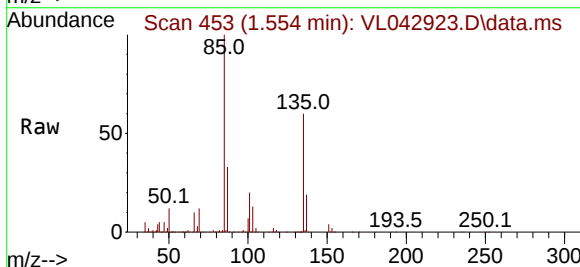
Manual Integrations
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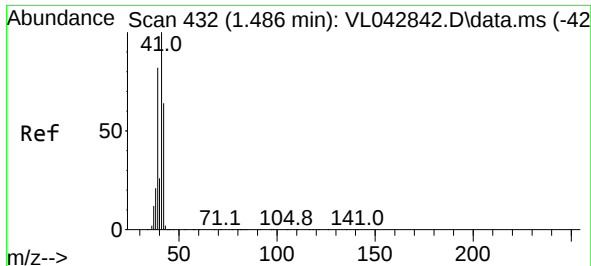
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#8
Dichlorotetrafluoroethane
Concen: 10.115 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

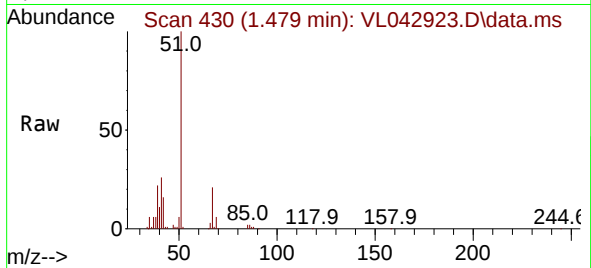
Tgt Ion: 85 Resp: 174948
Ion Ratio Lower Upper
85 100
135 61.3 51.2 76.8





#9
 Propene
 Concen: 0.985 ppbv m
 RT: 1.479 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

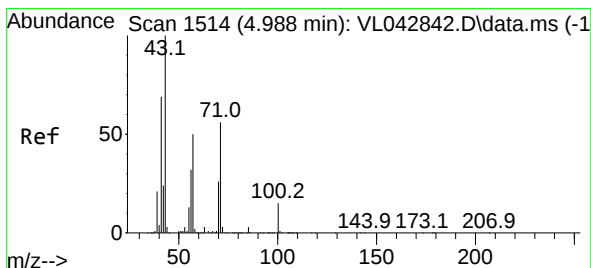
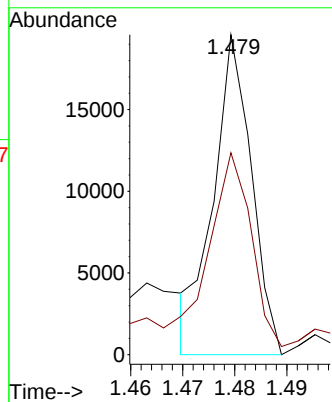
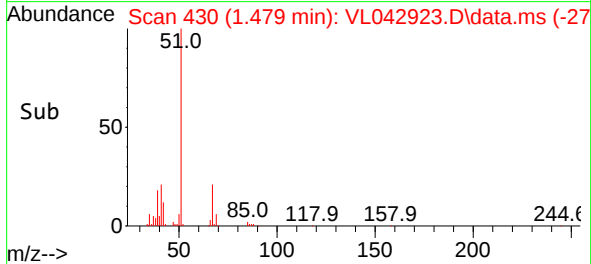
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01



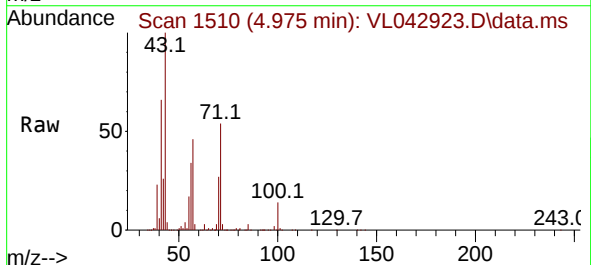
Tgt Ion: 41 Resp: 993
 Ion Ratio Lower Upper
 41 100
 42 6.5 53.0 79.4

Manual Integrations
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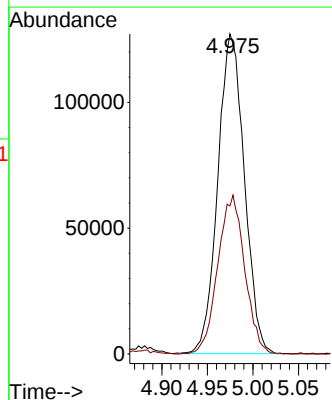
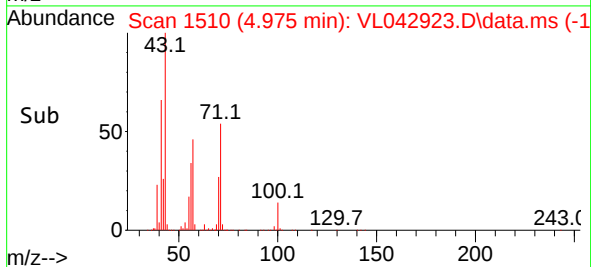
Reviewed By :Semsettin Yesilyurt 09/11/2025
 Supervised By :Mahesh Dadoda 09/11/2025

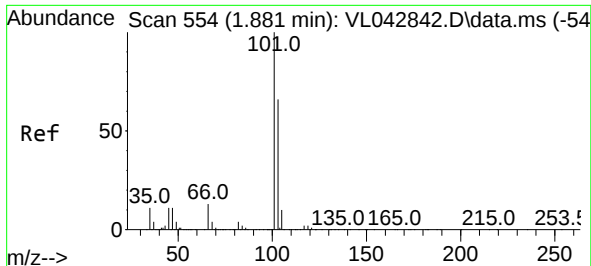


#10
 Heptane
 Concen: 9.532 ppbv
 RT: 4.975 min Scan# 1510
 Delta R.T. 0.016 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15



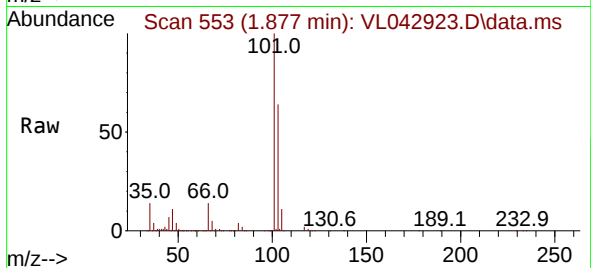
Tgt Ion: 43 Resp: 257575
 Ion Ratio Lower Upper
 43 100
 57 50.4 41.4 62.0





#11
Trichlorofluoromethane
Concen: 9.833 ppbv
RT: 1.877 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

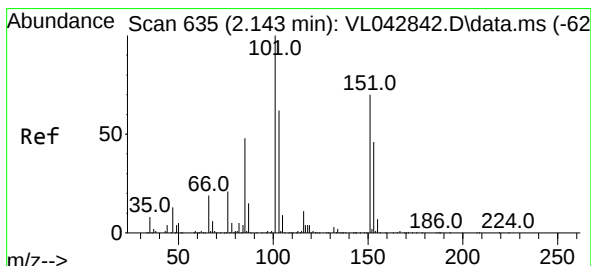
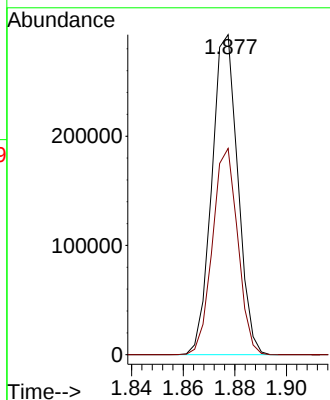
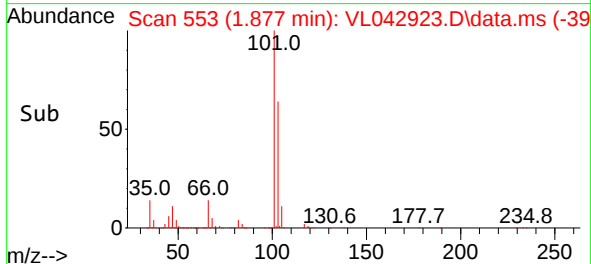
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01



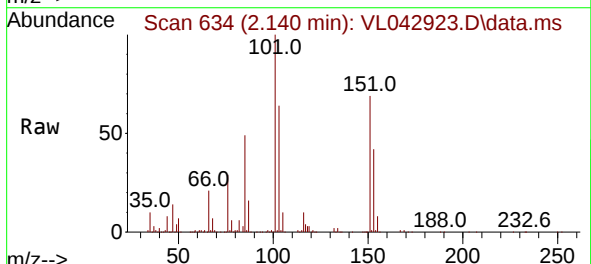
Tgt Ion:101 Resp: 205050
Ion Ratio Lower Upper
101 100
103 64.5 52.5 78.7

Manual Integrations
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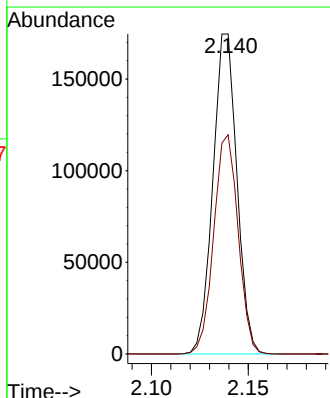
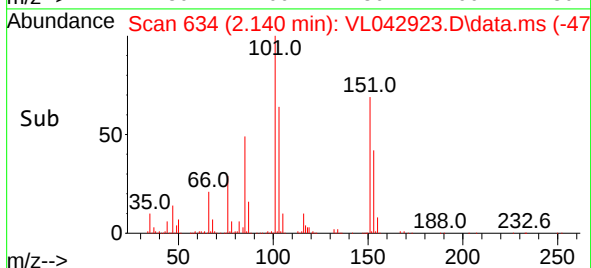
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

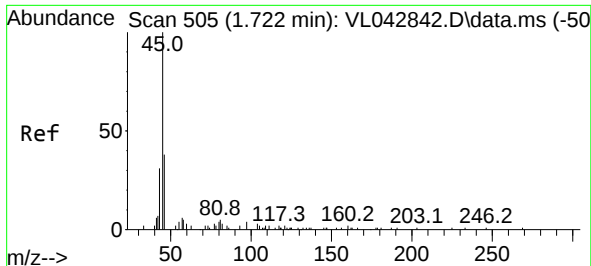


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.077 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.006 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15



Tgt Ion:101 Resp: 150856
Ion Ratio Lower Upper
101 100
151 69.4 56.4 84.6





#13

Ethanol

Concen: 7.687 ppbv

RT: 1.722 min Scan# 505

Delta R.T. 0.006 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tgt Ion: 45 Resp: 709

Ion Ratio Lower Upper

45 100

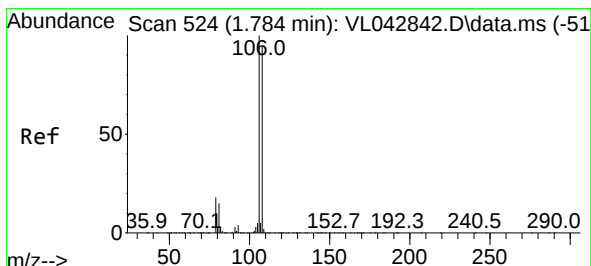
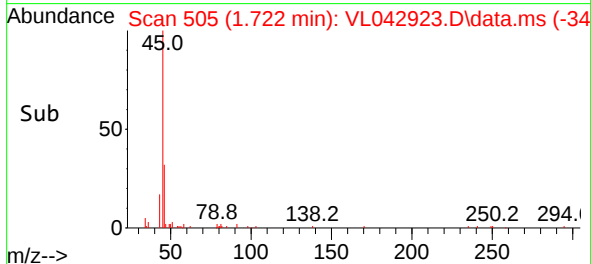
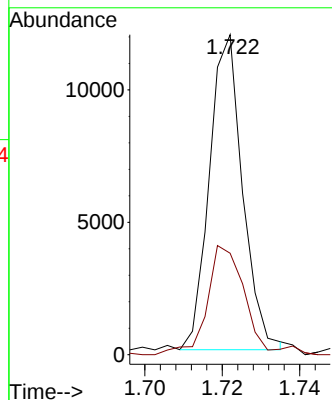
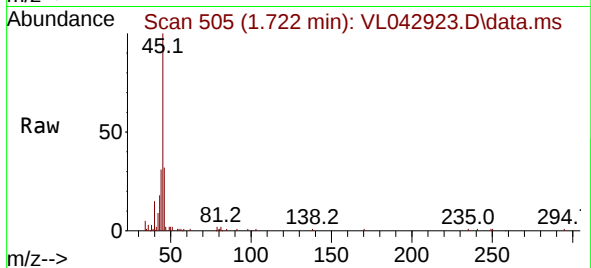
46 39.6 17.5 69.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025

Supervised By :Mahesh Dadoda 09/11/2025



#14

Bromoethene

Concen: 9.413 ppbv

RT: 1.780 min Scan# 523

Delta R.T. 0.003 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

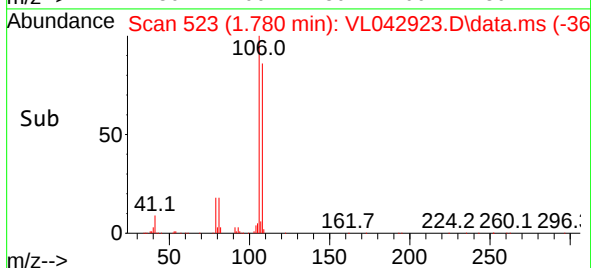
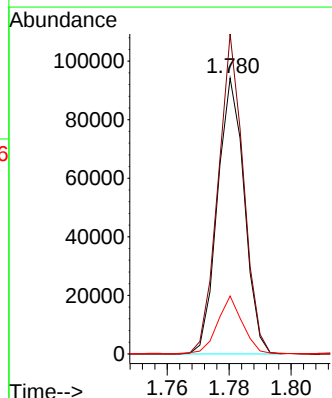
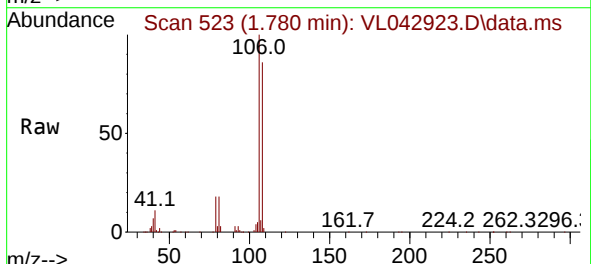
Tgt Ion:108 Resp: 56638

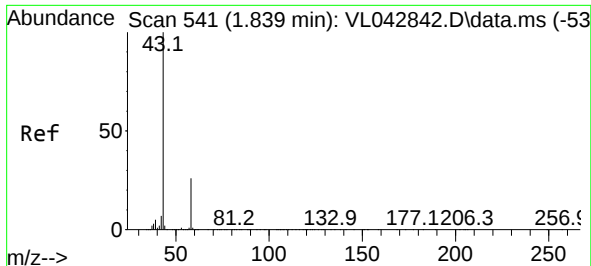
Ion Ratio Lower Upper

108 100

106 109.8 85.1 127.7

79 19.7 16.3 24.5





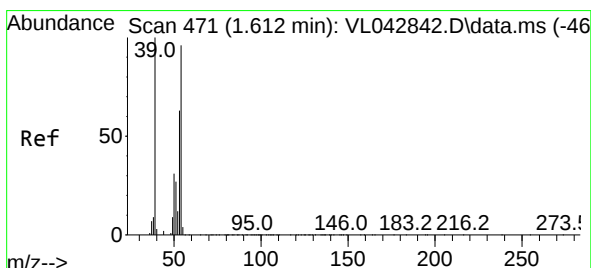
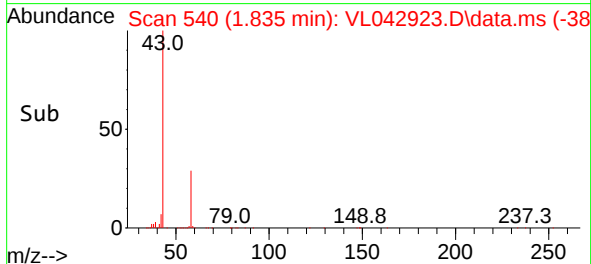
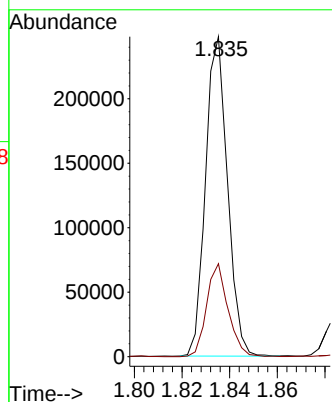
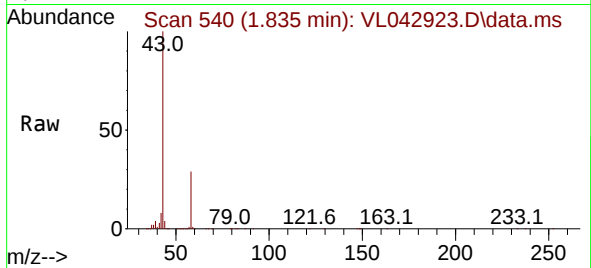
#15
Acetone
Concen: 8.334 ppbv
RT: 1.835 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 43 Resp: 158979
Ion Ratio Lower Upper
43 100
58 28.7 22.4 33.6

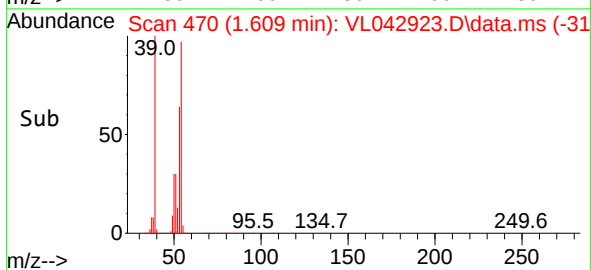
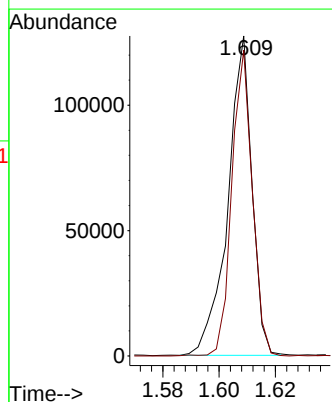
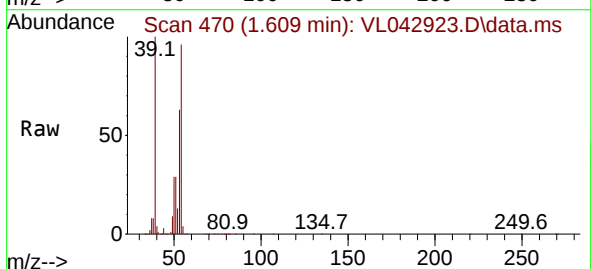
Manual Integrations
APPROVED

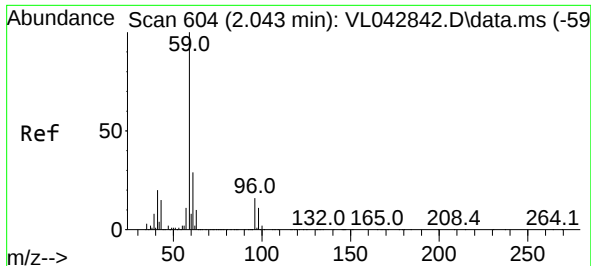
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#16
1,3-Butadiene
Concen: 8.761 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.006 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion: 39 Resp: 75764
Ion Ratio Lower Upper
39 100
54 81.3 63.6 95.4





#17

tert-Butyl alcohol

Concen: 7.479 ppbv

RT: 2.039 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tgt Ion: 59 Resp: 16919

Ion Ratio Lower Upper

59 100

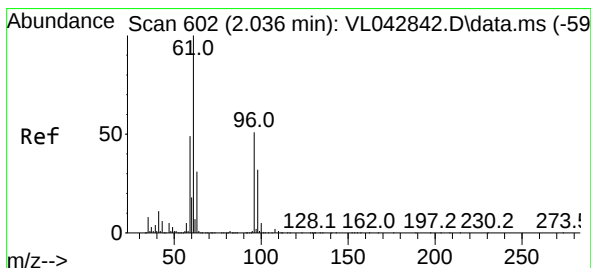
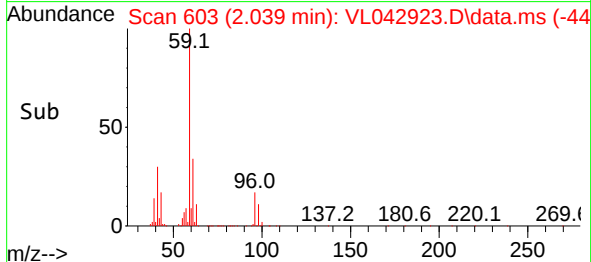
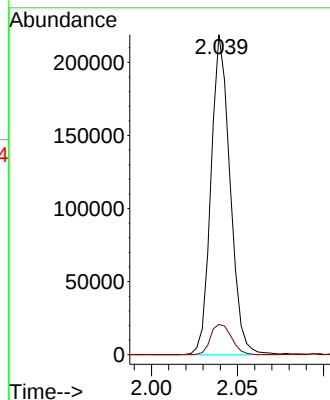
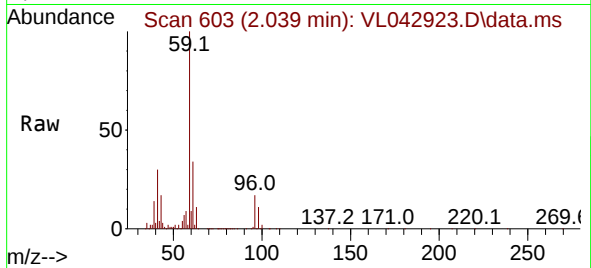
57 10.4 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025

Supervised By :Mahesh Dadoda 09/11/2025



#18

1,1-Dichloroethene

Concen: 9.696 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.006 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

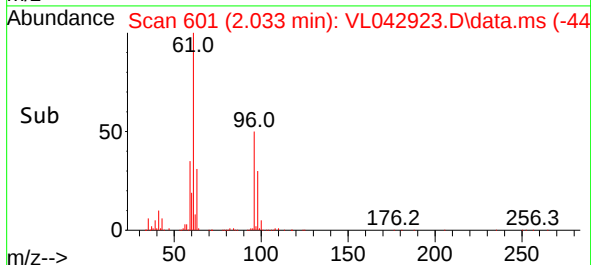
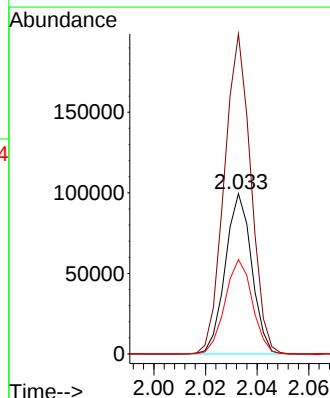
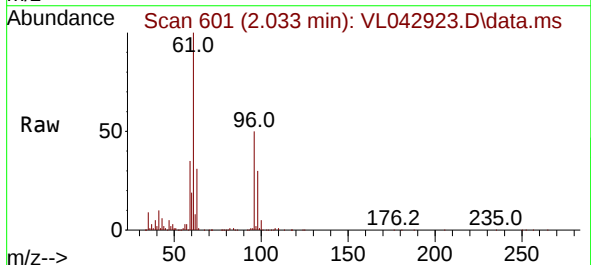
Tgt Ion: 96 Resp: 70847

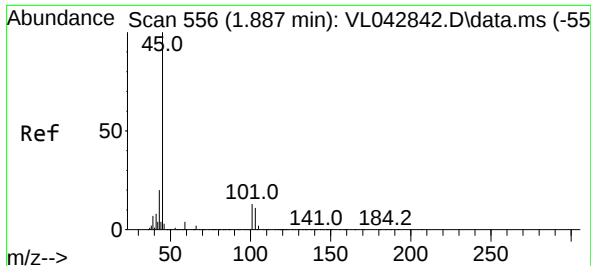
Ion Ratio Lower Upper

96 100

61 199.7 158.2 237.4

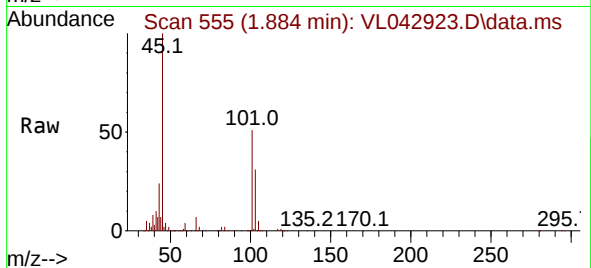
98 58.9 50.6 76.0





#19
Isopropyl Alcohol
Concen: 8.364 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

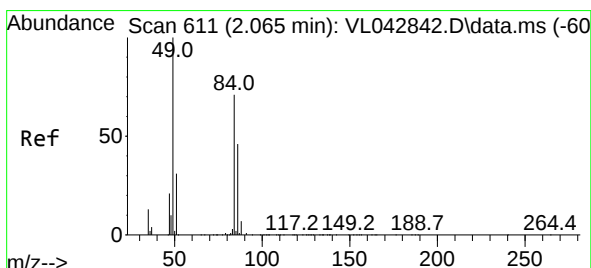
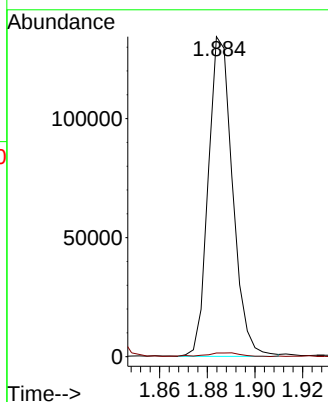
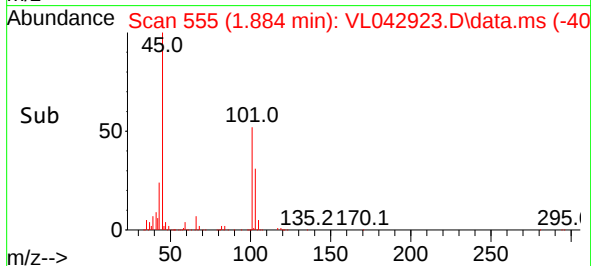
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01



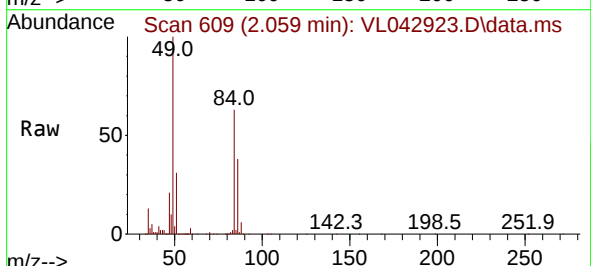
Tgt Ion: 45 Resp: 9530
Ion Ratio Lower Upper
45 100
58 2.3 32.7 49.1

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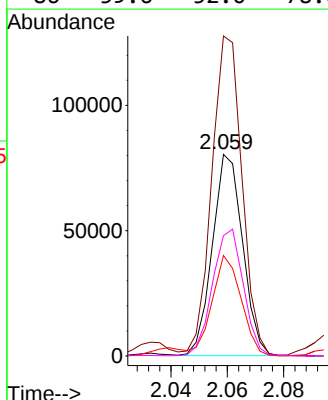
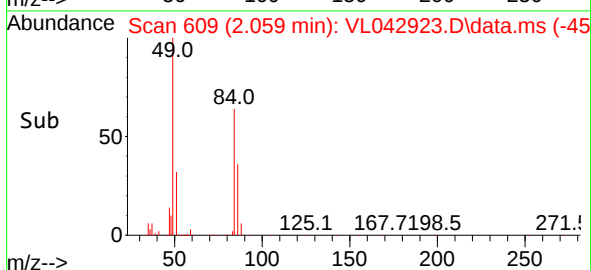
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

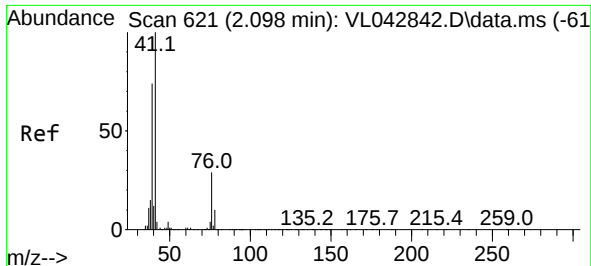


#20
Methylene Chloride
Concen: 7.503 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15



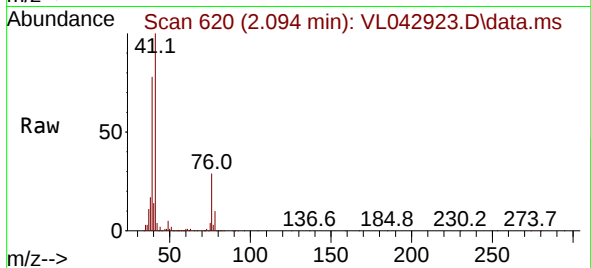
Tgt Ion: 84 Resp: 59956
Ion Ratio Lower Upper
84 100
49 158.4 112.3 168.5
51 49.9 36.0 54.0
86 59.6 52.0 78.0





#21
 Allyl Chloride
 Concen: 8.939 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

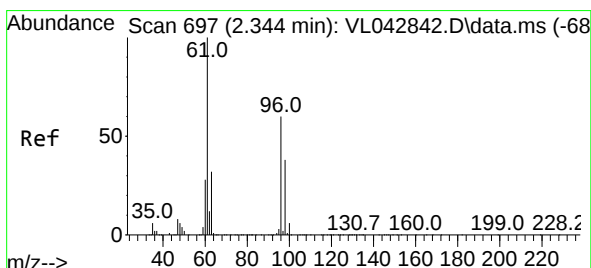
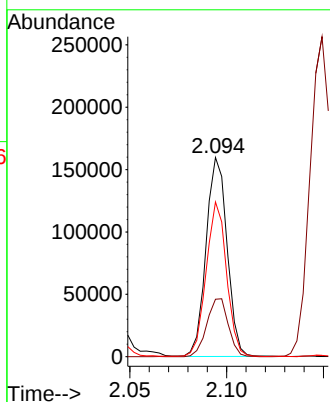
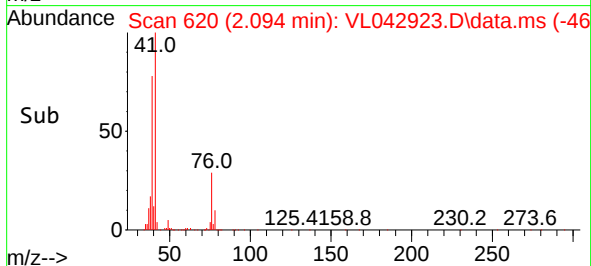
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01



Tgt Ion: 41 Resp: 120472
 Ion Ratio Lower Upper
 41 100
 76 29.9 23.9 35.9
 39 76.2 57.8 86.6

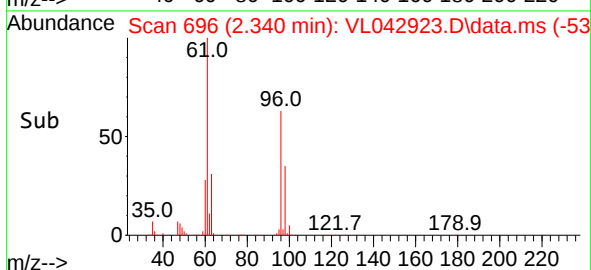
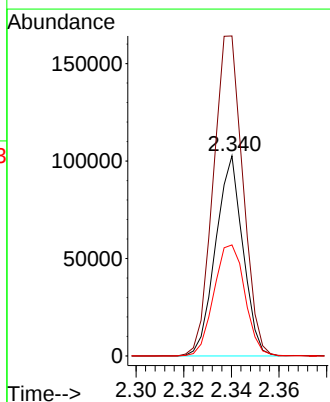
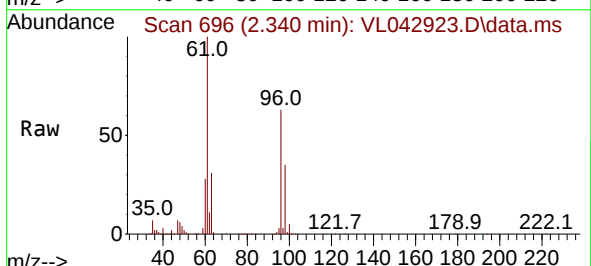
Manual Integrations
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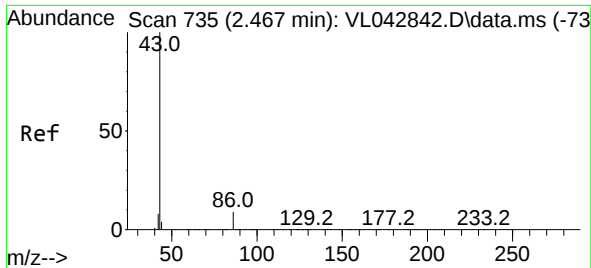
Reviewed By :Semsettin Yesilyurt 09/11/2025
 Supervised By :Mahesh Dadoda 09/11/2025



#22
 trans-1,2-Dichloroethene
 Concen: 9.630 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.009 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

Tgt Ion: 96 Resp: 81412
 Ion Ratio Lower Upper
 96 100
 61 159.8 132.6 199.0
 98 55.4 50.0 75.0





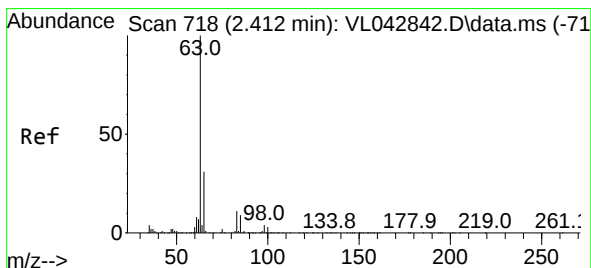
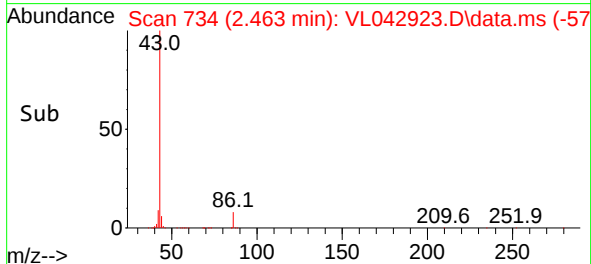
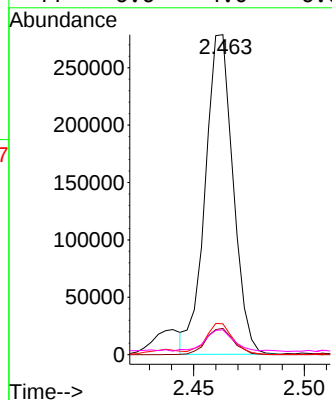
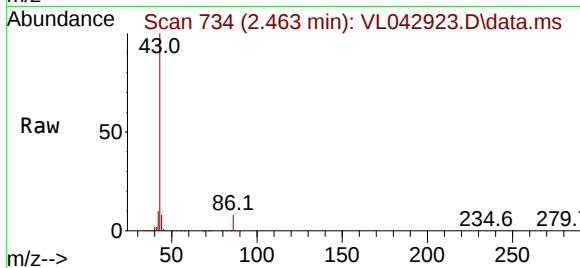
#23
 Vinyl Acetate
 Concen: 9.296 ppbv
 RT: 2.463 min Scan# 717
 Delta R.T. 0.009 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tgt Ion: 43 Resp: 24384
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.6 9.8
 42 9.6 7.0 10.6
 44 6.6 4.0 6.0#

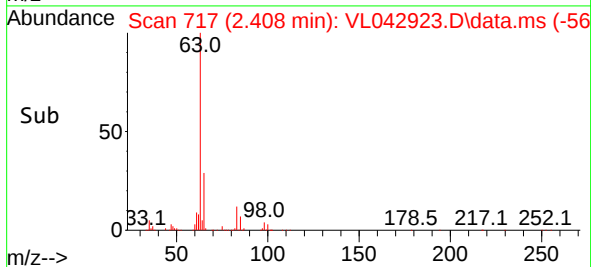
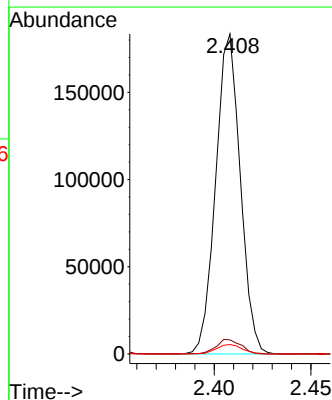
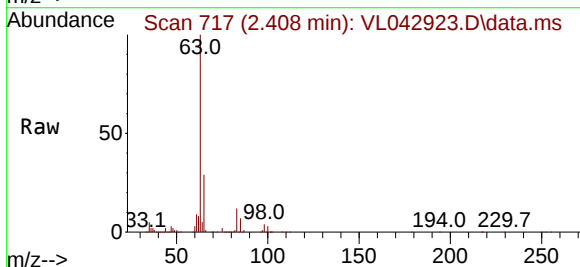
Manual Integrations
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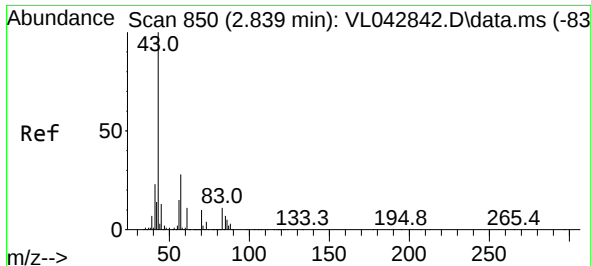
Reviewed By :Semsettin Yesilyurt 09/11/2025
 Supervised By :Mahesh Dadoda 09/11/2025



#24
 1,1-Dichloroethane
 Concen: 9.602 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.006 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

Tgt Ion: 63 Resp: 162104
 Ion Ratio Lower Upper
 63 100
 98 4.4 2.1 6.5
 100 3.0 1.7 5.1





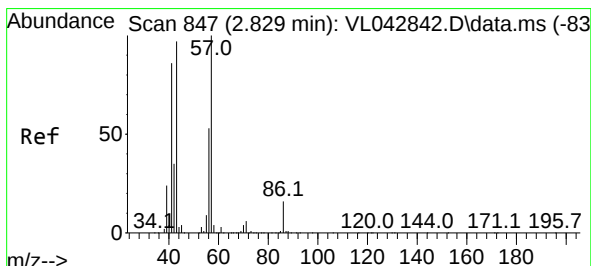
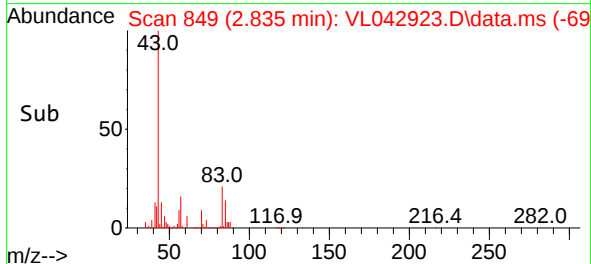
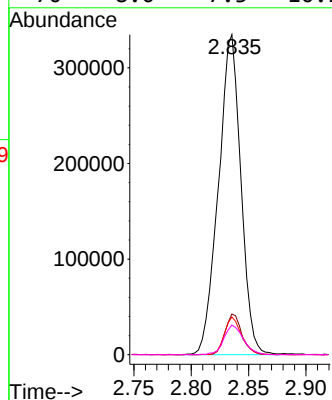
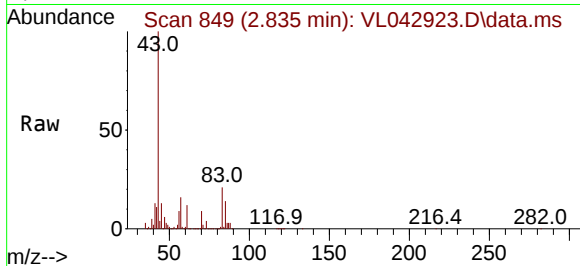
#25
Ethyl Acetate
Concen: 9.867 ppbv
RT: 2.835 min Scan# 84
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 43 Resp: 455568
Ion Ratio Lower Upper
43 100
45 9.6 8.1 12.1
61 9.1 7.4 11.2
70 8.0 7.3 10.9

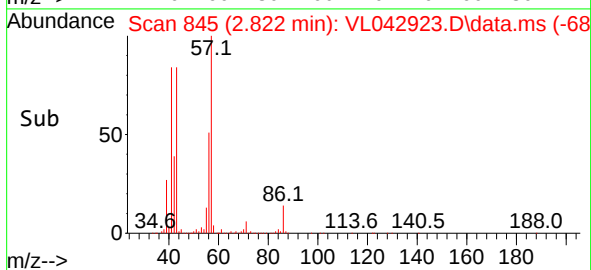
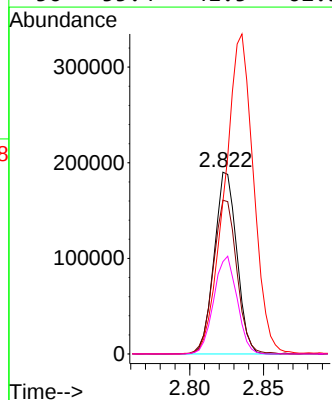
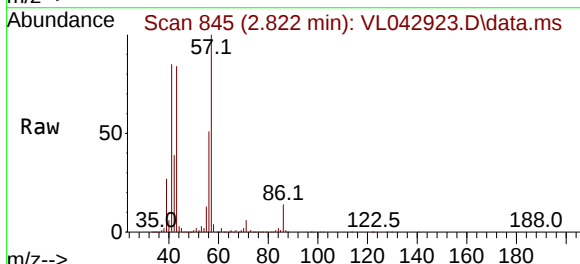
Manual Integrations
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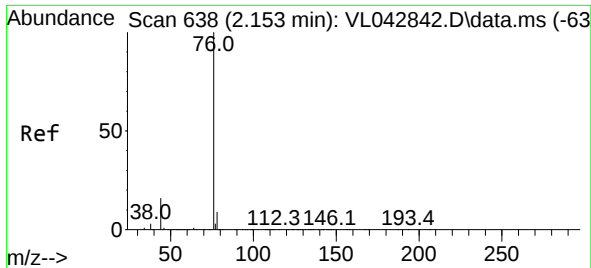
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#26
Hexane
Concen: 9.483 ppbv
RT: 2.822 min Scan# 845
Delta R.T. 0.006 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

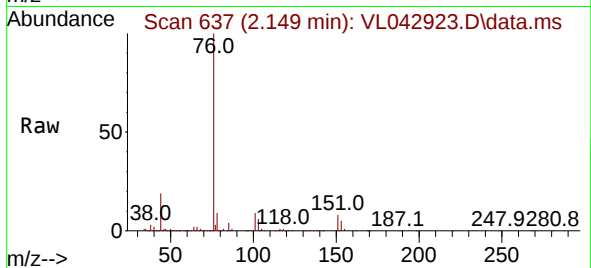
Tgt Ion: 57 Resp: 202096
Ion Ratio Lower Upper
57 100
41 89.4 68.6 103.0
43 225.6 168.5 252.7
56 55.4 41.5 62.3





#27
Carbon Disulfide
Concen: 9.549 ppbv
RT: 2.149 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

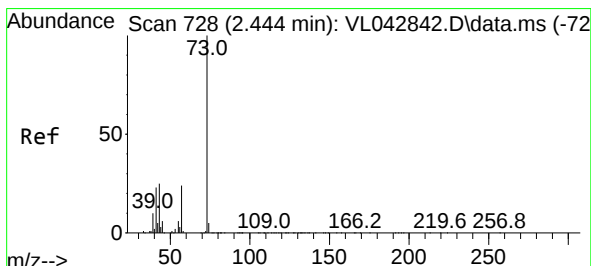
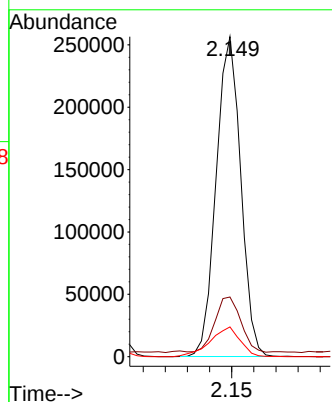
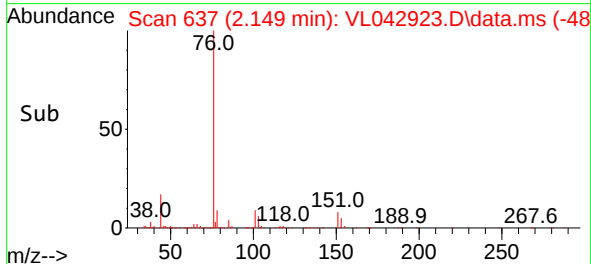
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01



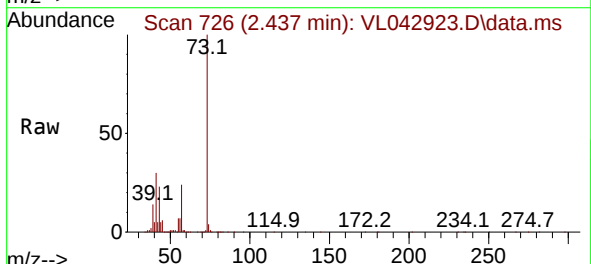
Tgt Ion: 76 Resp: 198034
Ion Ratio Lower Upper
76 100
44 19.1 15.9 23.9
78 11.3 9.5 14.3

Manual Integrations
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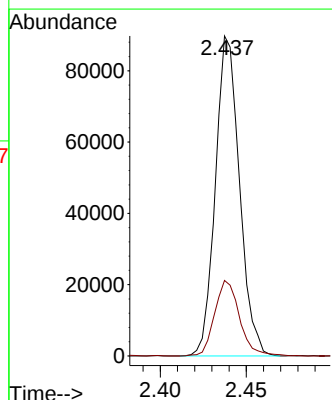
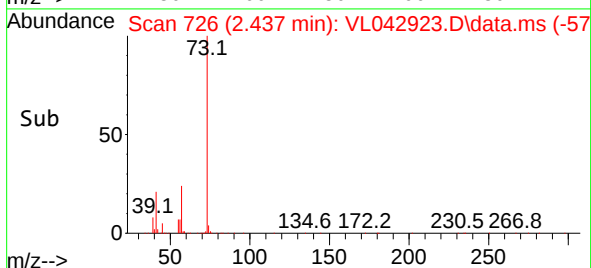
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

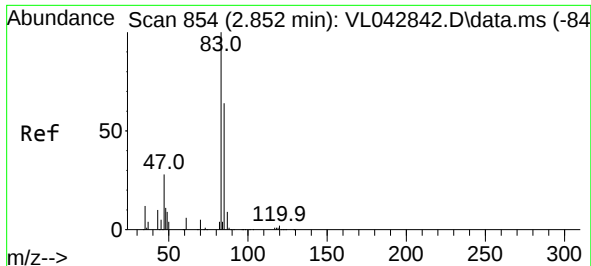


#28
Methyl tert-Butyl Ether
Concen: 8.053 ppbv
RT: 2.437 min Scan# 726
Delta R.T. 0.006 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15



Tgt Ion: 73 Resp: 87510
Ion Ratio Lower Upper
73 100
57 24.4 21.6 32.4





#29

Chloroform

Concen: 9.859 ppbv

RT: 2.848 min Scan# 853

Delta R.T. 0.009 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tgt Ion: 83 Resp: 299968

Ion Ratio Lower Upper

83 100

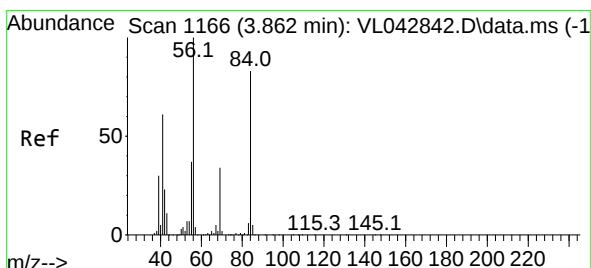
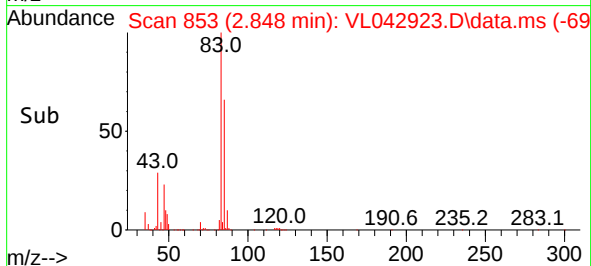
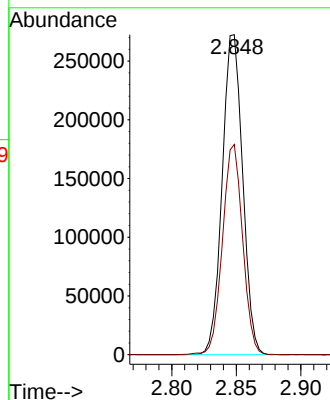
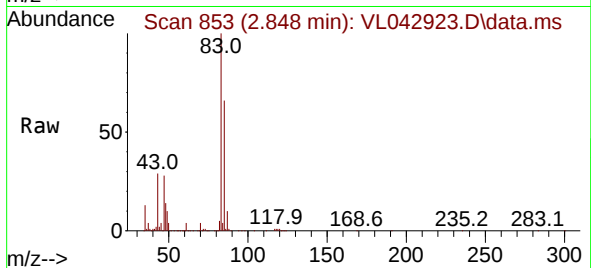
85 65.7 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025

Supervised By :Mahesh Dadoda 09/11/2025



#30

Cyclohexane

Concen: 8.676 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.013 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

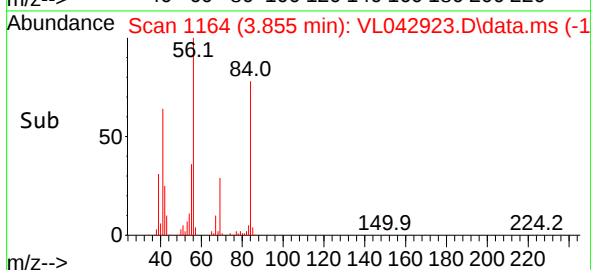
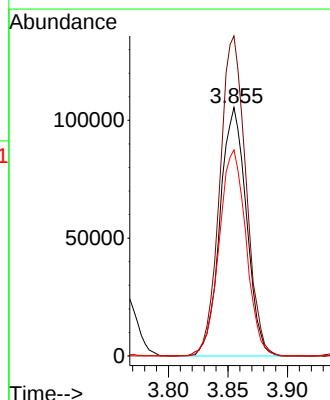
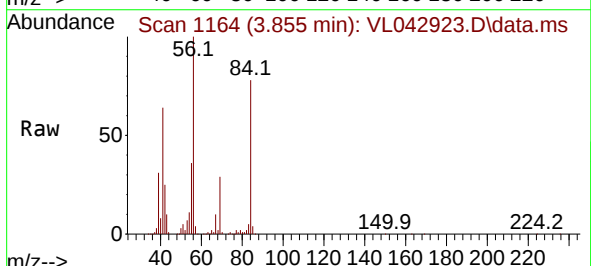
Tgt Ion: 84 Resp: 162101

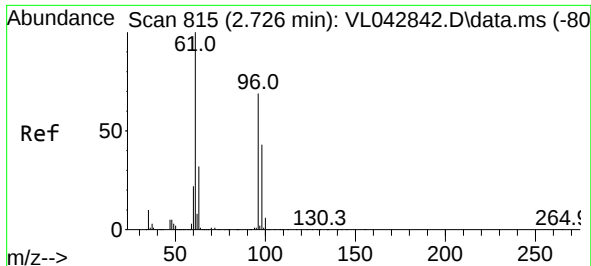
Ion Ratio Lower Upper

84 100

56 127.4 98.8 148.2

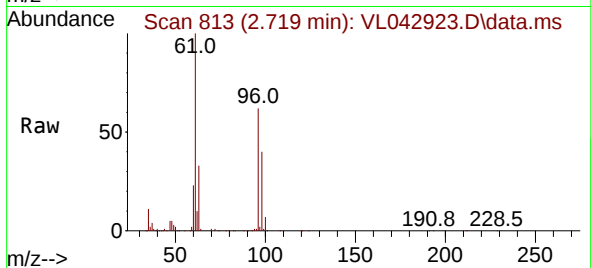
41 84.8 61.3 91.9





#31
 cis-1,2-Dichloroethene
 Concen: 8.759 ppbv
 RT: 2.719 min Scan# 815
 Delta R.T. 0.006 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

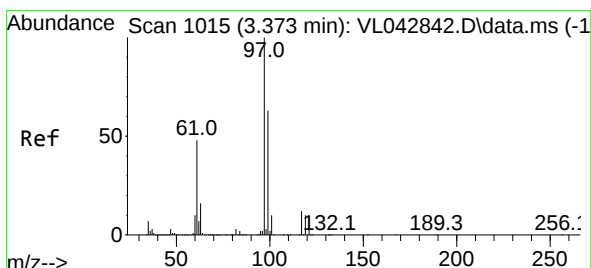
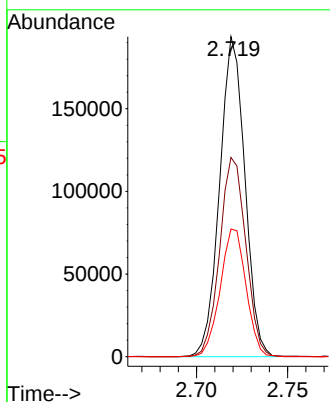
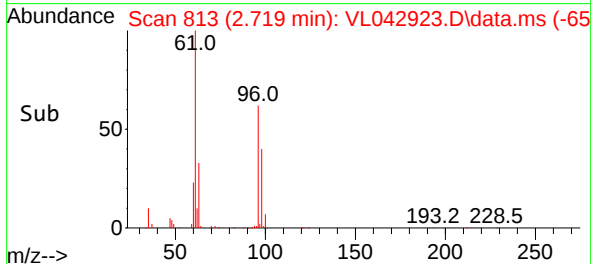
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01



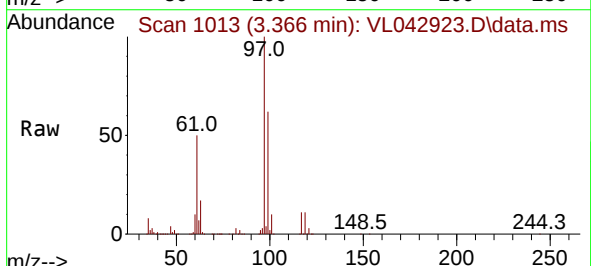
Tgt Ion: 61 Resp: 186454
 Ion Ratio Lower Upper
 61 100
 96 62.3 55.0 82.6
 98 39.9 34.3 51.5

Manual Integrations
 APPROVED

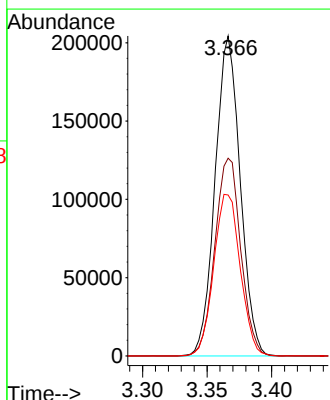
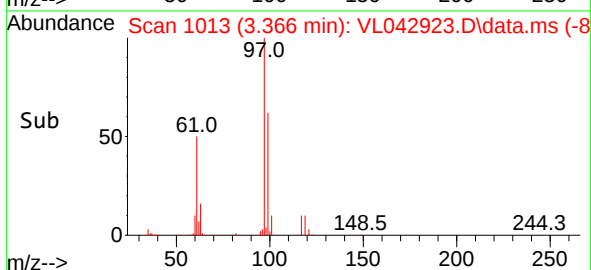
Reviewed By :Semsettin Yesilyurt 09/11/2025
 Supervised By :Mahesh Dadoda 09/11/2025

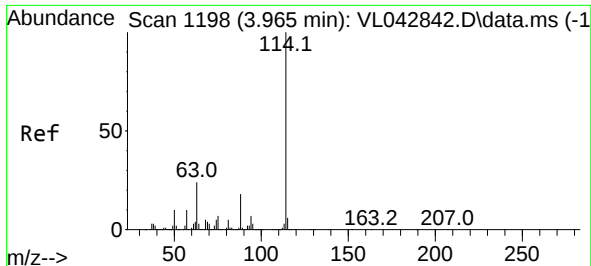


#32
 1,1,1-Trichloroethane
 Concen: 8.607 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. 0.009 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15



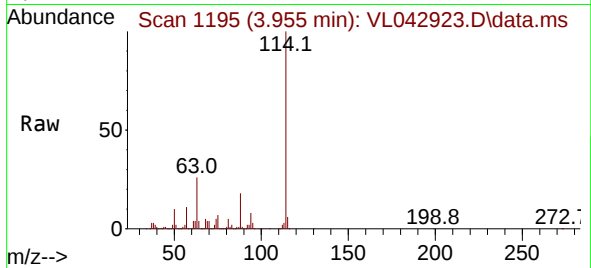
Tgt Ion: 97 Resp: 276772
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.0 76.6
 61 53.4 38.0 57.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1198
Delta R.T. 0.013 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

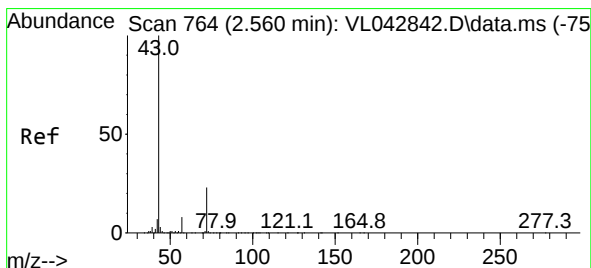
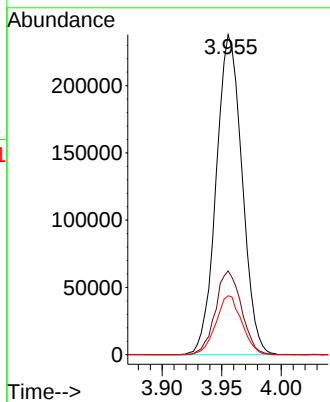
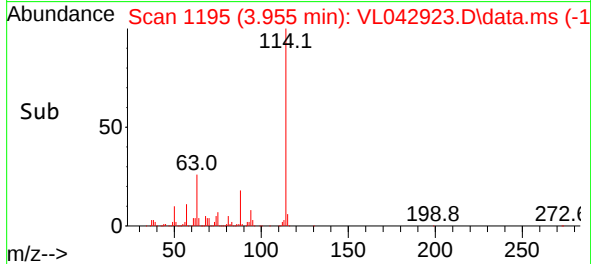
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01



Tgt Ion:114 Resp: 359262
Ion Ratio Lower Upper
114 100
63 26.3 19.7 29.5
88 18.4 14.4 21.6

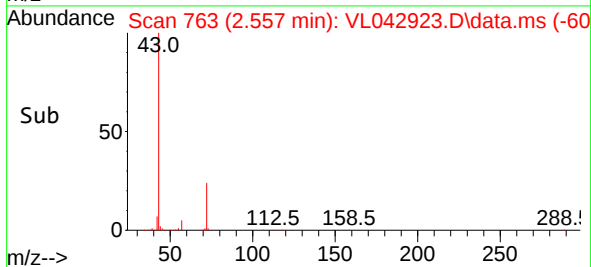
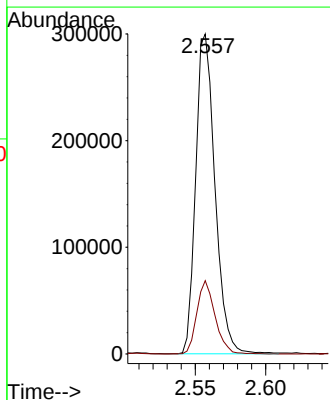
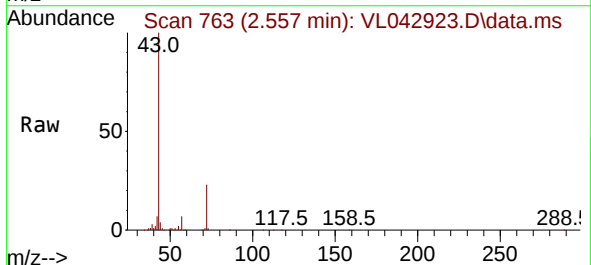
Manual Integrations
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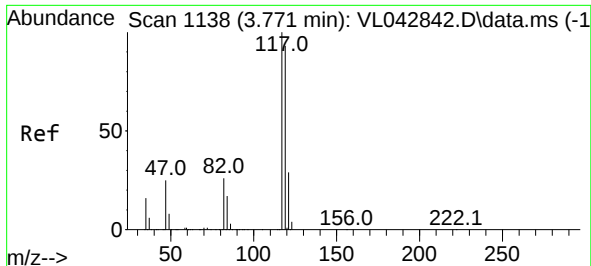
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#34
2-Butanone
Concen: 11.787 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

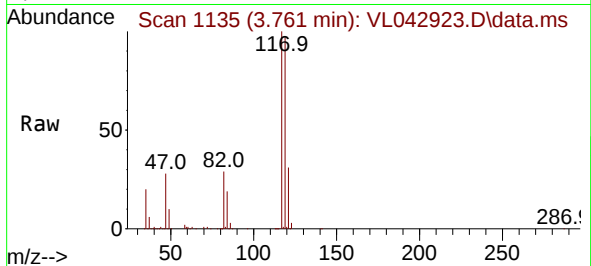
Tgt Ion: 43 Resp: 285943
Ion Ratio Lower Upper
43 100
72 21.6 18.6 28.0





#35
Carbon Tetrachloride
Concen: 11.479 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. 0.013 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

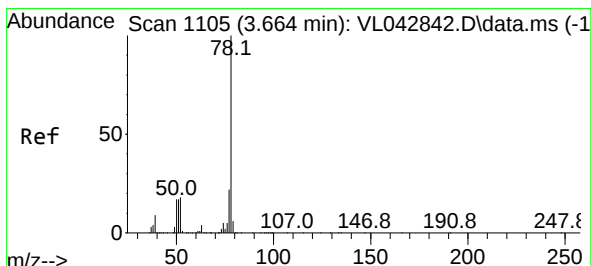
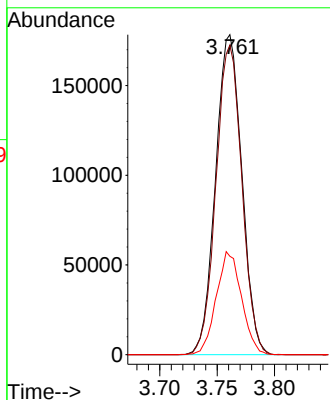
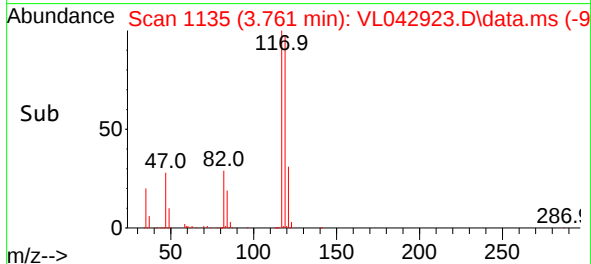
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01



Tgt Ion: 117 Resp: 284318
Ion Ratio Lower Upper
117 100
119 96.8 74.7 112.1
121 30.7 23.2 34.8

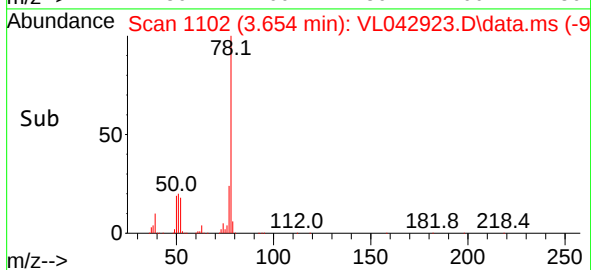
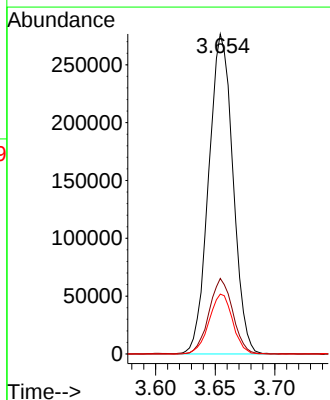
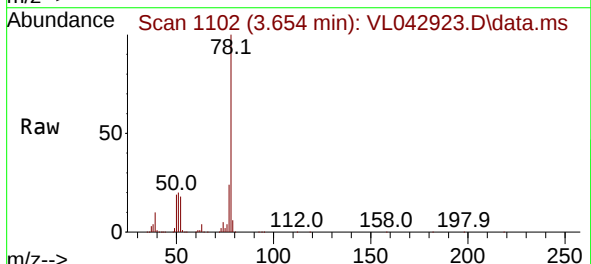
Manual Integrations
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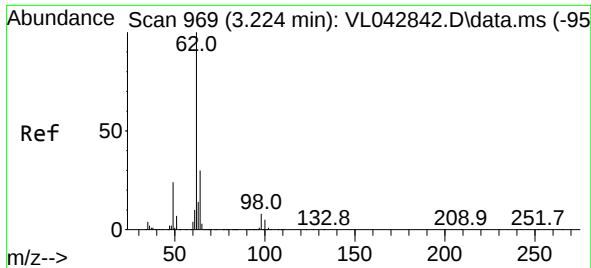
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#36
Benzene
Concen: 11.375 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion: 78 Resp: 391321
Ion Ratio Lower Upper
78 100
77 23.6 17.7 26.5
50 18.7 13.9 20.9





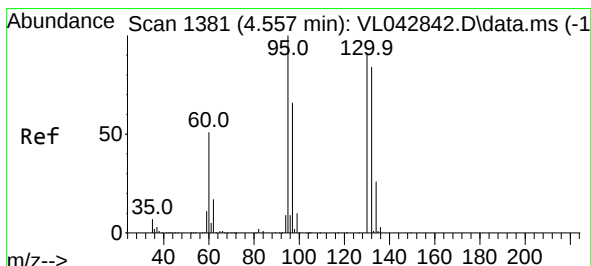
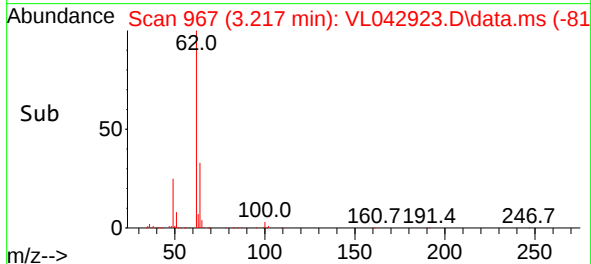
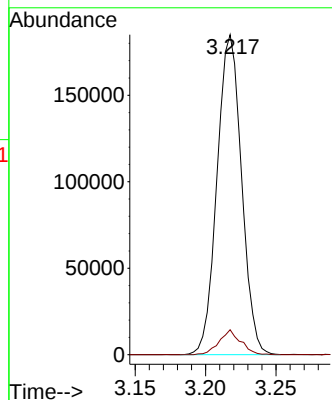
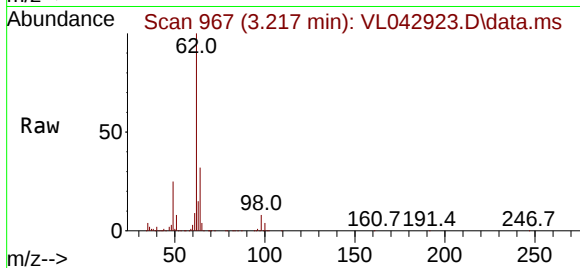
#37
1,2-Dichloroethane
Concen: 12.481 ppbv
RT: 3.217 min Scan# 90
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 62 Resp: 224329
Ion Ratio Lower Upper
62 100
98 6.8 5.9 8.9

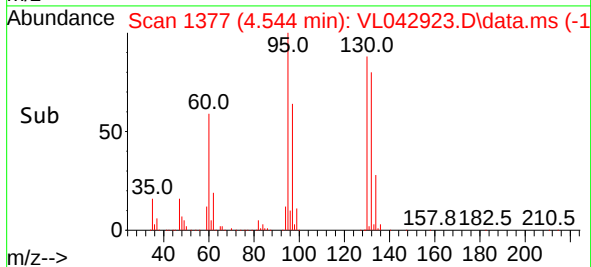
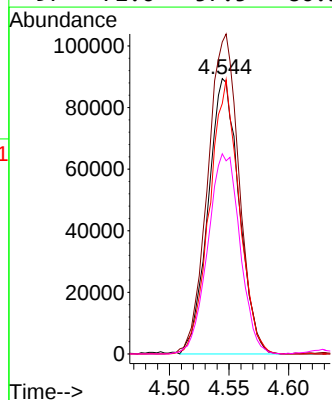
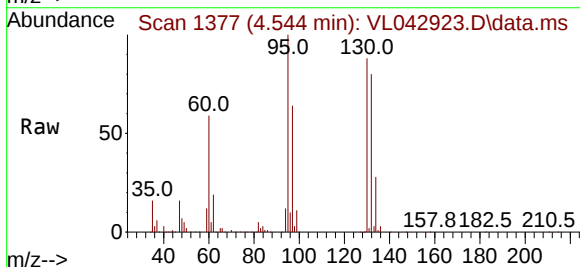
Manual Integrations
APPROVED

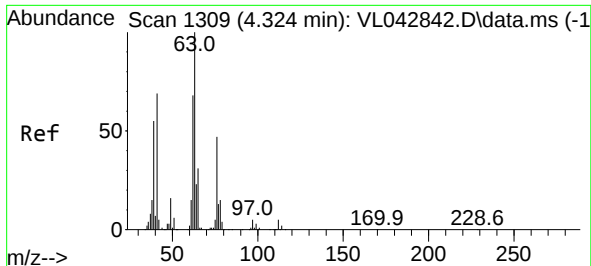
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#38
Trichloroethene
Concen: 10.292 ppbv
RT: 4.544 min Scan# 1377
Delta R.T. 0.013 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion:130 Resp: 161710
Ion Ratio Lower Upper
130 100
95 113.2 87.6 131.4
132 90.8 73.8 110.8
97 72.6 57.5 86.3





#39

1,2-Dichloropropane

Concen: 11.819 ppbv

RT: 4.311 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tgt Ion: 63 Resp: 148500

Ion Ratio Lower Upper

63 100

41 80.1 55.0 82.4

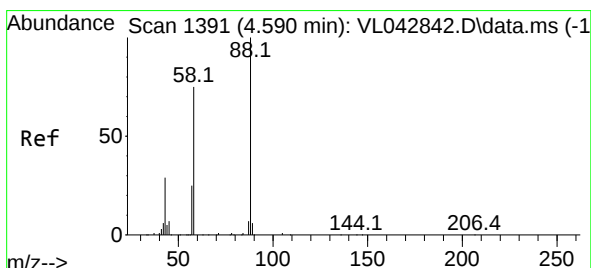
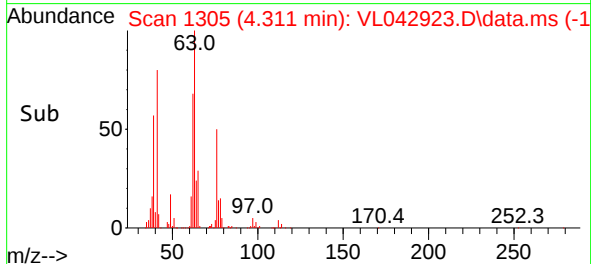
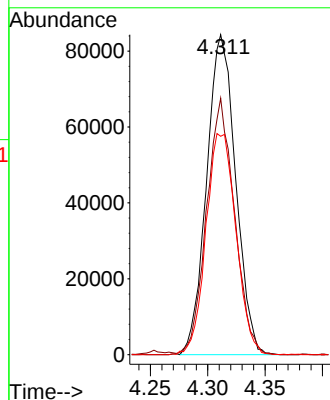
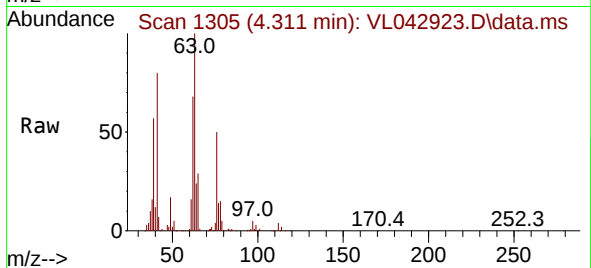
62 68.2 54.4 81.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025

Supervised By :Mahesh Dadoda 09/11/2025



#40

1,4-Dioxane

Concen: 9.957 ppbv

RT: 4.583 min Scan# 1389

Delta R.T. 0.022 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Tgt Ion: 88 Resp: 59487

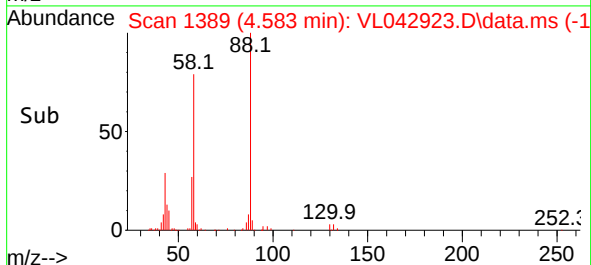
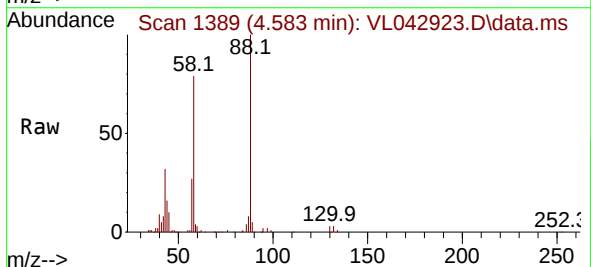
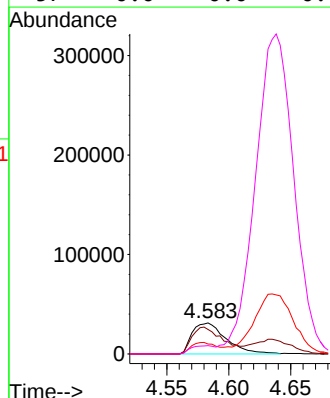
Ion Ratio Lower Upper

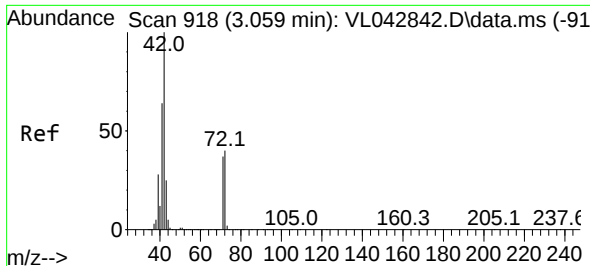
88 100

58 78.1 53.8 80.6

43 30.5 22.8 34.2

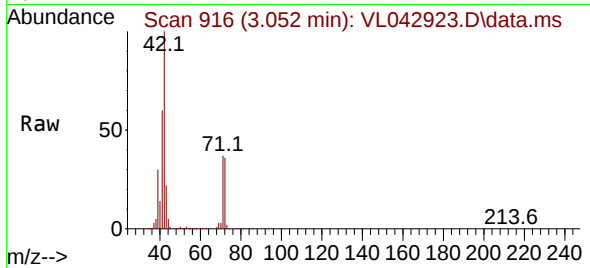
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 11.372 ppbv
RT: 3.052 min Scan# 918
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

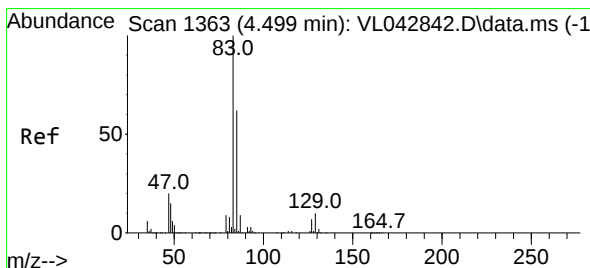
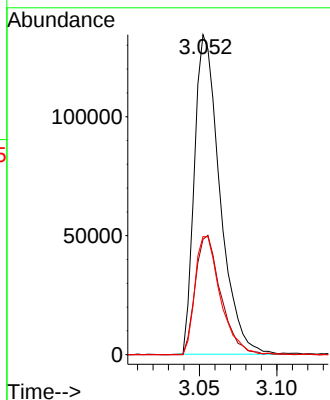
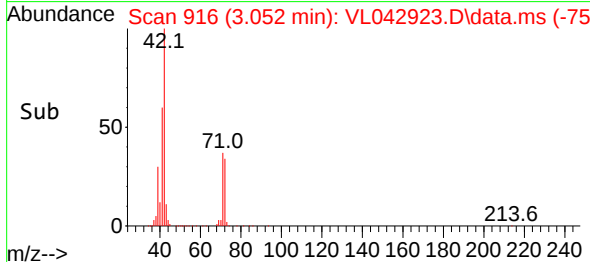
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01



Tgt Ion: 42 Resp: 15380
Ion Ratio Lower Upper
42 100
72 37.5 32.6 48.8
71 37.0 30.0 45.0

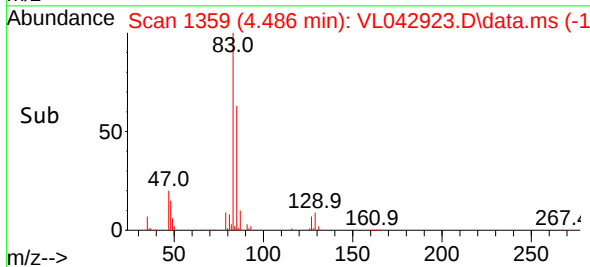
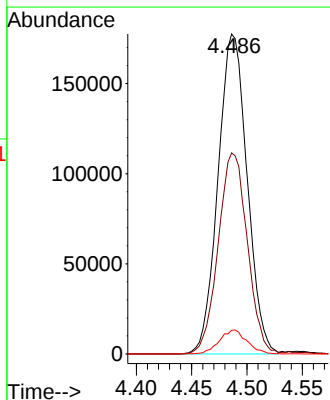
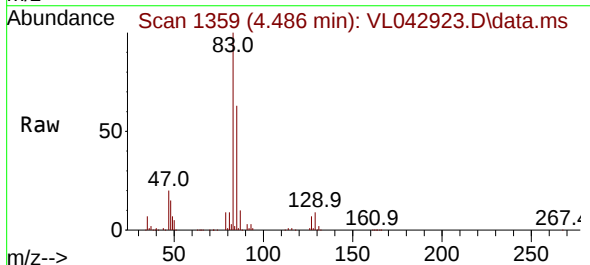
Manual Integrations
APPROVED

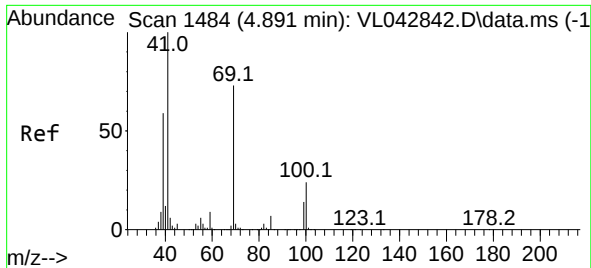
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#42
Bromodichloromethane
Concen: 12.118 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.013 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion: 83 Resp: 324553
Ion Ratio Lower Upper
83 100
85 62.7 49.8 74.8
127 7.4 5.8 8.6





#43
Methyl Methacrylate
Concen: 10.509 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. 0.019 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_L

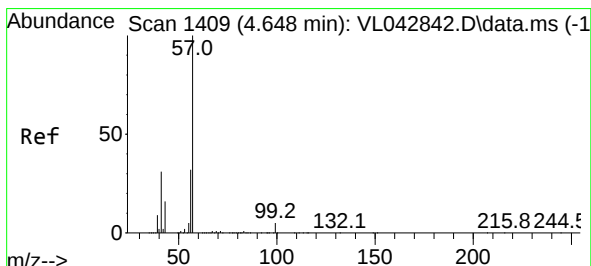
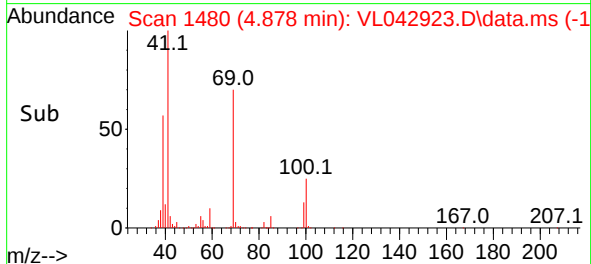
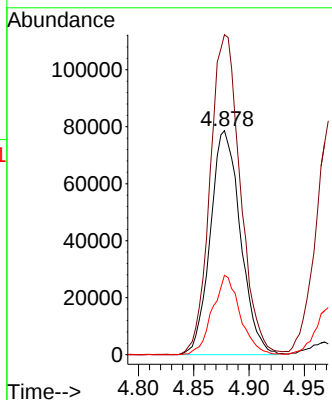
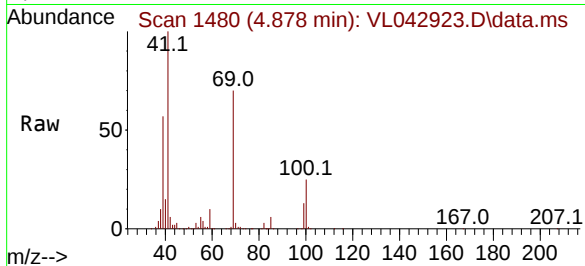
ClientSampleId :

VL0910ABS01

Tgt Ion: 69 Resp: 14893
Ion Ratio Lower Upper
69 100
41 143.6 114.6 172.0
100 32.5 30.2 45.4

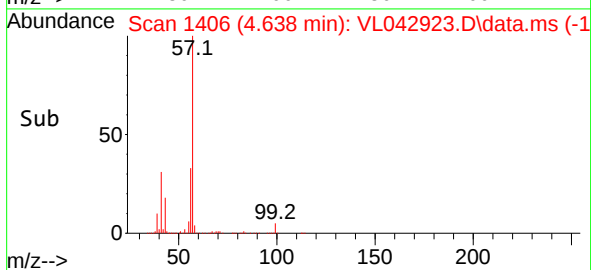
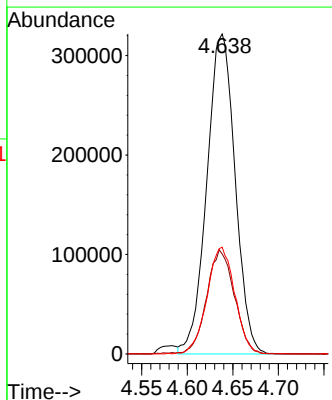
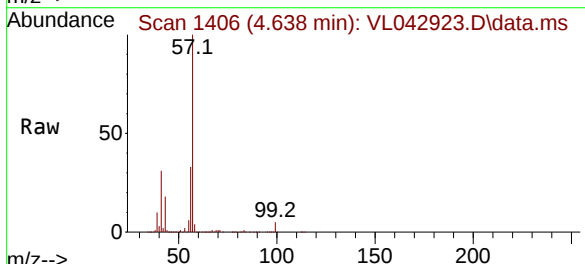
Manual Integrations
APPROVED

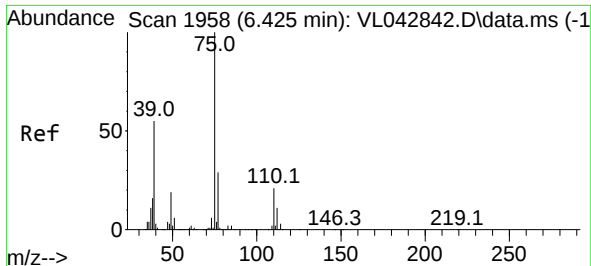
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#44
2,2,4-Trimethylpentane
Concen: 11.900 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. 0.016 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

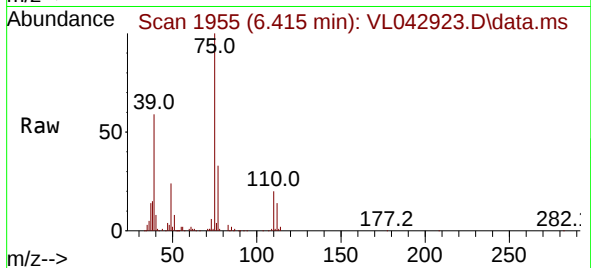
Tgt Ion: 57 Resp: 694873
Ion Ratio Lower Upper
57 100
41 32.3 24.8 37.2
56 32.9 25.5 38.3





#45
 t-1,3-Dichloropropene
 Concen: 9.383 ppbv
 RT: 6.415 min Scan# 1955
 Delta R.T. 0.022 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

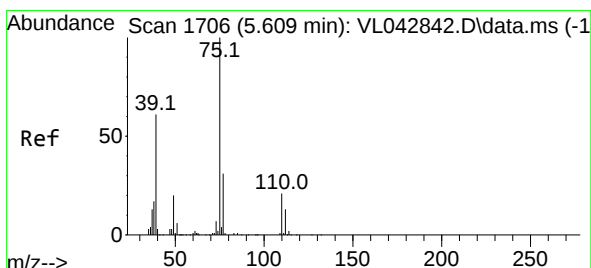
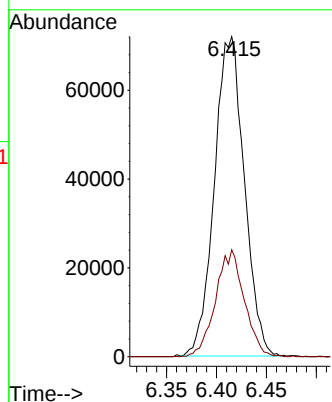
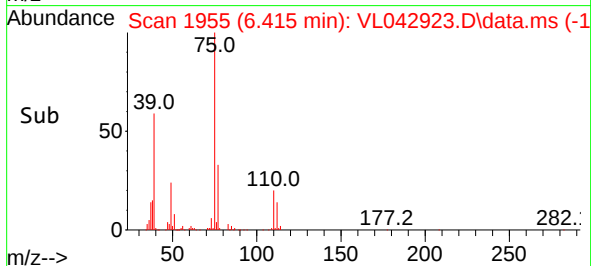
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01



Tgt Ion: 75 Resp: 150074
 Ion Ratio Lower Upper
 75 100
 77 33.4 23.8 35.6

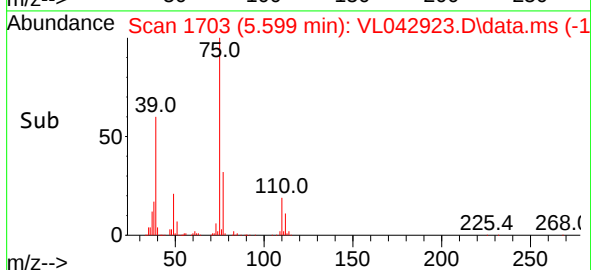
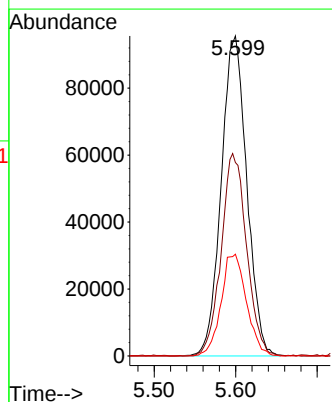
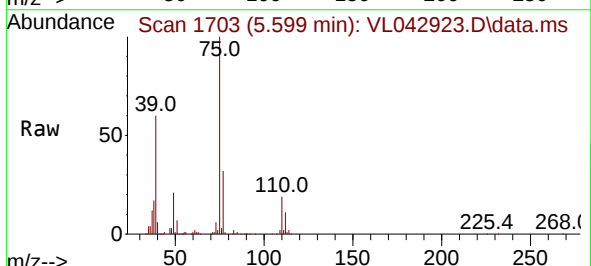
Manual Integrations
 APPROVED

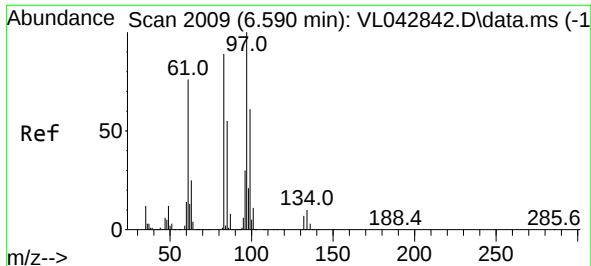
Reviewed By :Semsettin Yesilyurt 09/11/2025
 Supervised By :Mahesh Dadoda 09/11/2025



#46
 cis-1,3-Dichloropropene
 Concen: 10.449 ppbv
 RT: 5.599 min Scan# 1703
 Delta R.T. 0.019 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

Tgt Ion: 75 Resp: 208230
 Ion Ratio Lower Upper
 75 100
 39 60.3 48.9 73.3
 77 31.8 24.9 37.3





#47

1,1,2-Trichloroethane

Concen: 11.714 ppbv

RT: 6.580 min Scan# 2006

Delta R.T. 0.019 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tgt Ion: 97 Resp: 155939

Ion Ratio Lower Upper

97 100

83 87.4 71.0 106.4

85 55.4 43.6 65.4

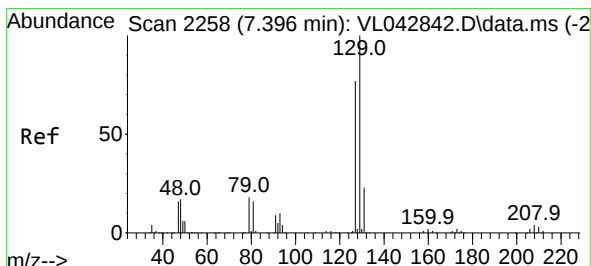
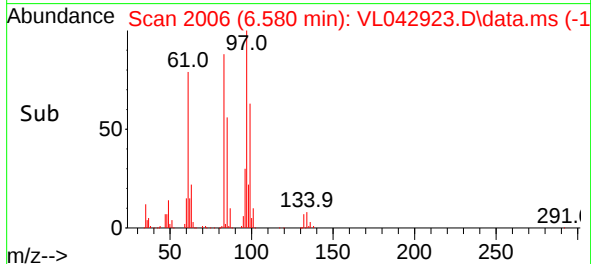
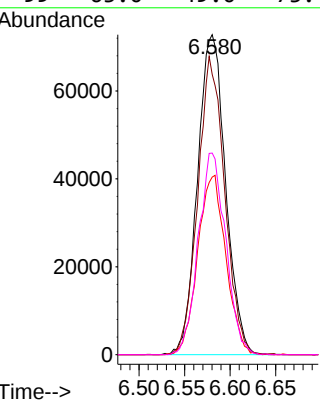
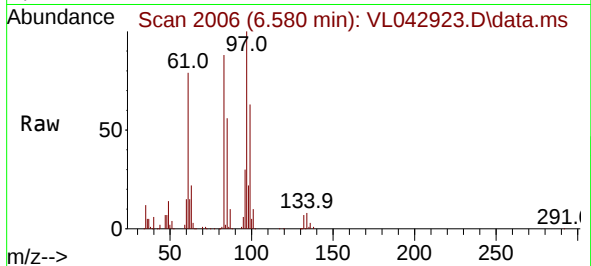
99 63.0 49.0 73.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025

Supervised By :Mahesh Dadoda 09/11/2025



#48

Dibromochloromethane

Concen: 11.395 ppbv

RT: 7.386 min Scan# 2255

Delta R.T. 0.016 min

Lab File: VL042923.D

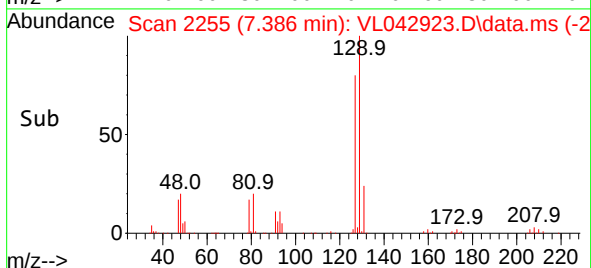
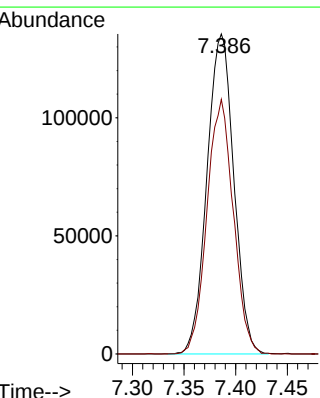
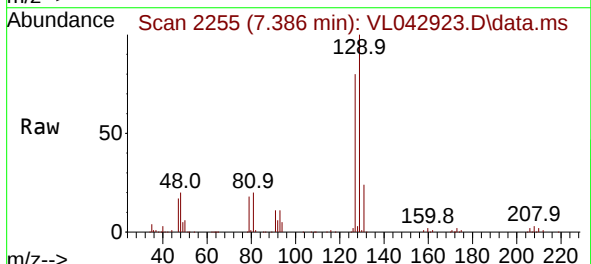
Acq: 10 Sep 2025 11:15

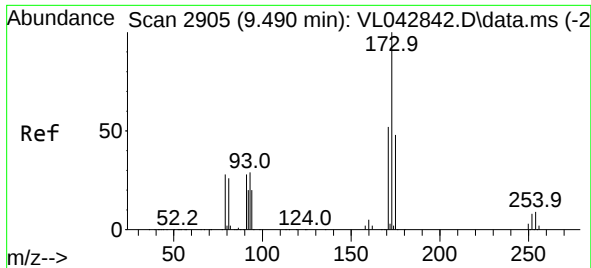
Tgt Ion:129 Resp: 245474

Ion Ratio Lower Upper

129 100

127 78.0 39.4 118.2





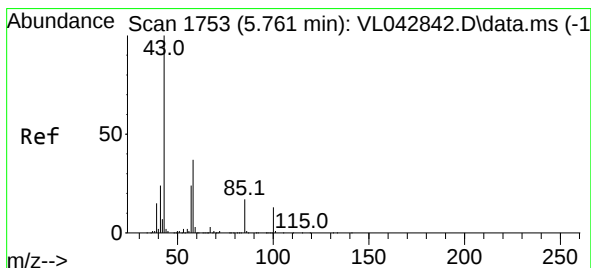
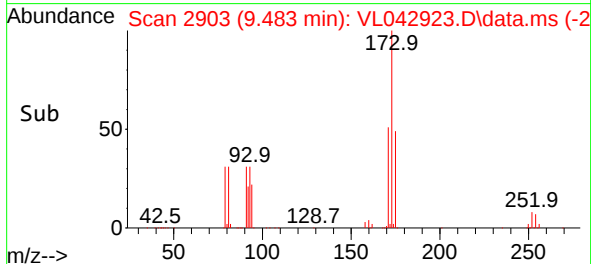
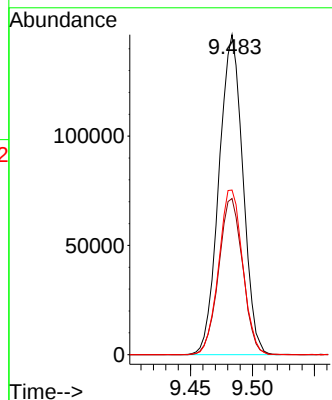
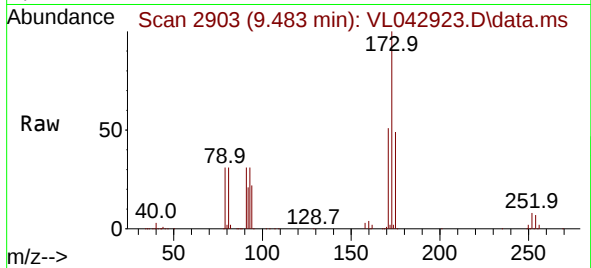
#49
Bromoform
Concen: 11.102 ppbv
RT: 9.483 min Scan# 2905
Delta R.T. 0.013 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion:173 Resp: 19723
Ion Ratio Lower Upper
173 100
175 49.0 39.2 58.8
171 51.8 41.3 61.9

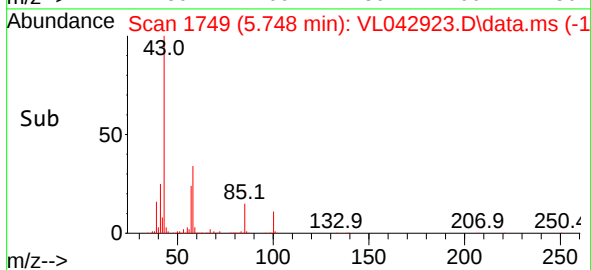
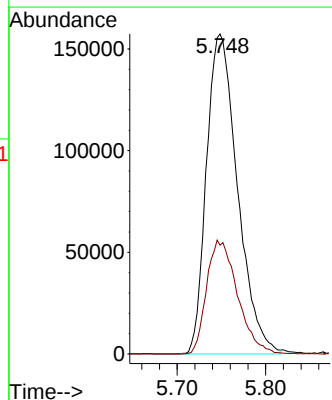
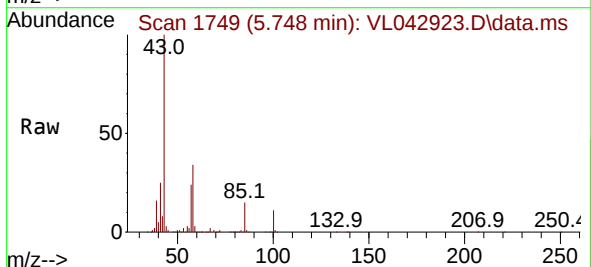
Manual Integrations
APPROVED

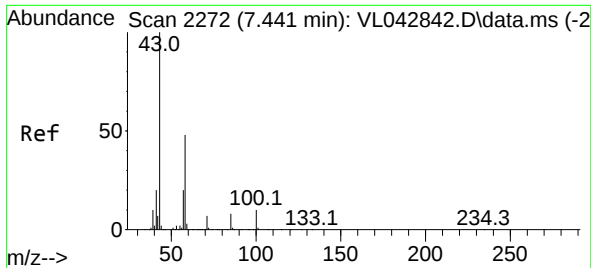
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#50
4-Methyl-2-Pentanone
Concen: 11.675 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. 0.019 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

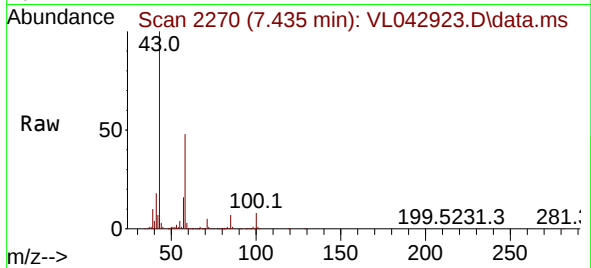
Tgt Ion: 43 Resp: 382819
Ion Ratio Lower Upper
43 100
58 35.5 29.8 44.8





#51
2-Hexanone
Concen: 11.729 ppbv
RT: 7.435 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

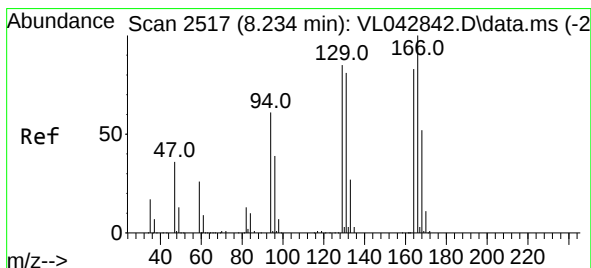
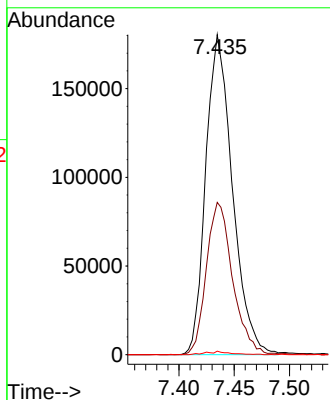
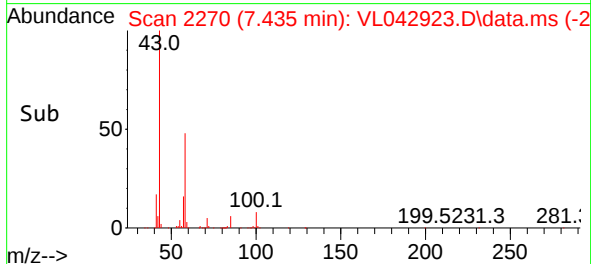
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01



Tgt Ion: 43 Resp: 30264
Ion Ratio Lower Upper
43 100
58 47.0 41.0 61.6
98 1.0 0.1 0.1

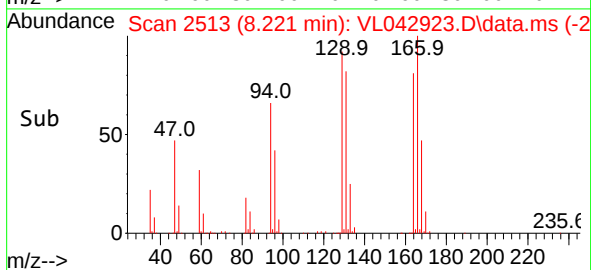
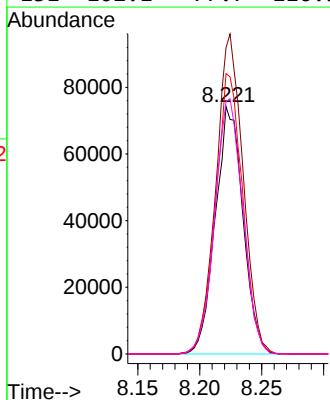
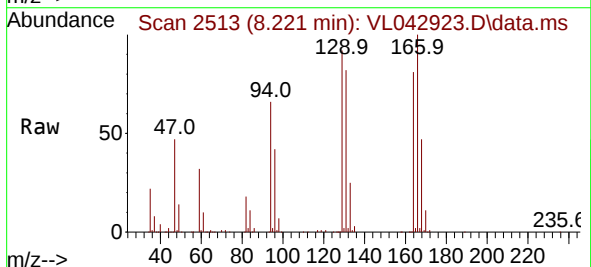
Manual Integrations
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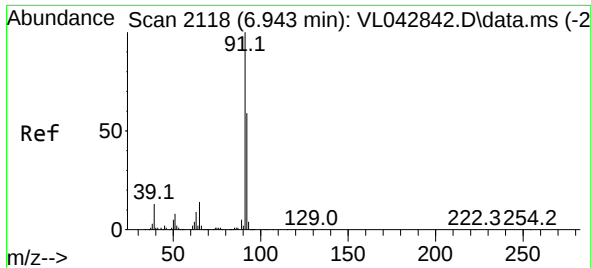
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#52
Tetrachloroethene
Concen: 9.245 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion:164 Resp: 115064
Ion Ratio Lower Upper
164 100
166 123.8 96.5 144.7
129 113.3 81.8 122.6
131 102.1 77.7 116.5





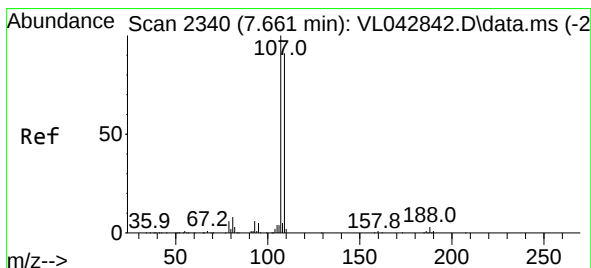
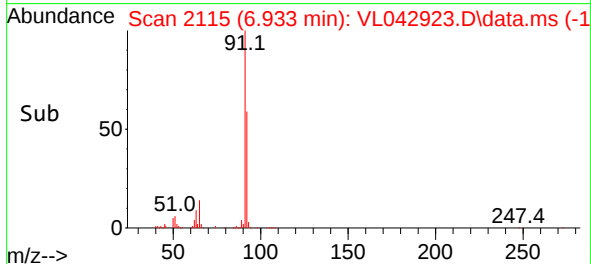
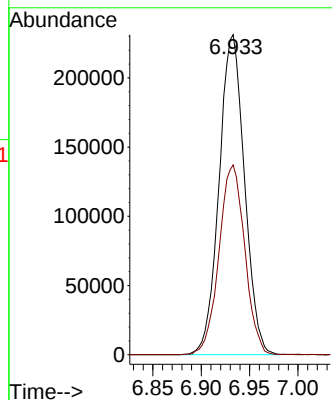
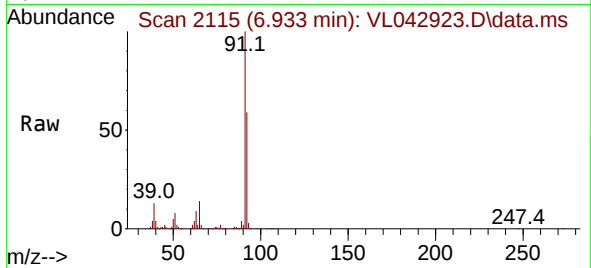
#53
Toluene
Concen: 10.316 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.019 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 91 Resp: 421930
Ion Ratio Lower Upper
91 100
92 60.2 47.8 71.6

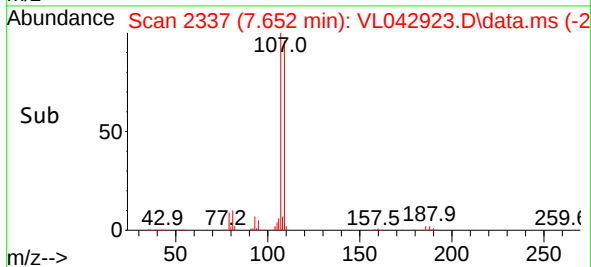
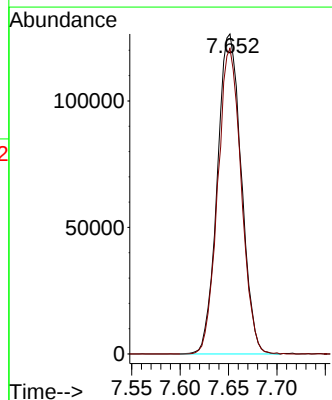
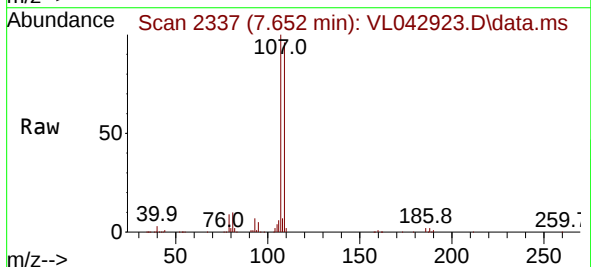
Manual Integrations
APPROVED

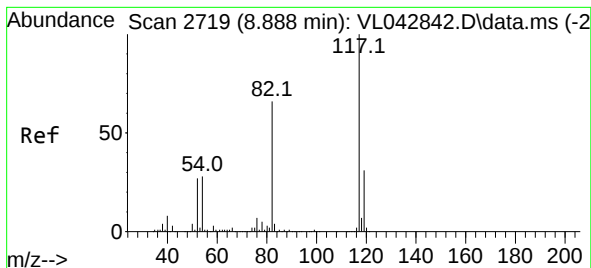
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#54
1,2-Dibromoethane
Concen: 11.200 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.016 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion:107 Resp: 217893
Ion Ratio Lower Upper
107 100
109 95.5 72.5 108.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.881 min Scan# 2719

Delta R.T. 0.013 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tgt Ion:117 Resp: 297345

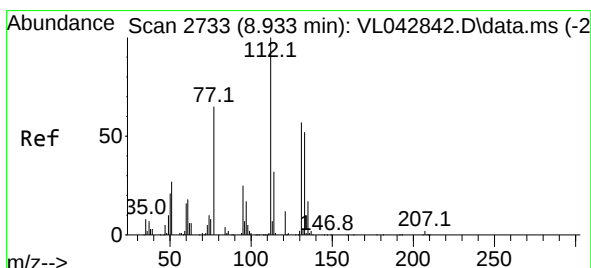
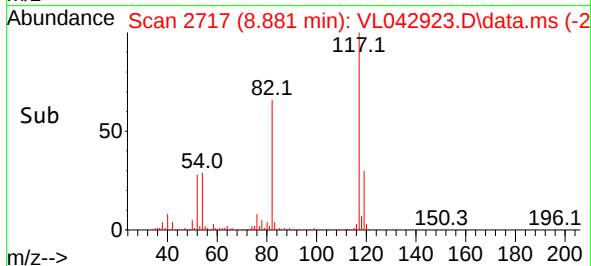
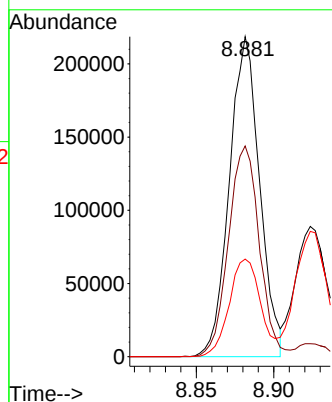
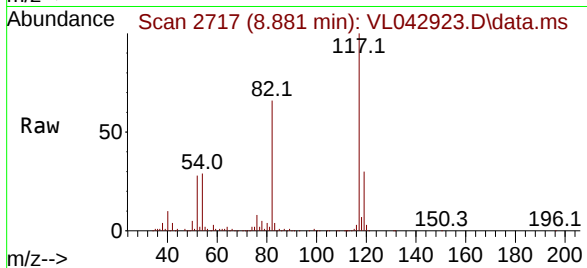
Ion	Ratio	Lower	Upper
117	100		
82	71.4	54.6	81.8
119	31.5	25.9	38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025

Supervised By :Mahesh Dadoda 09/11/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 11.945 ppbv

RT: 8.924 min Scan# 2730

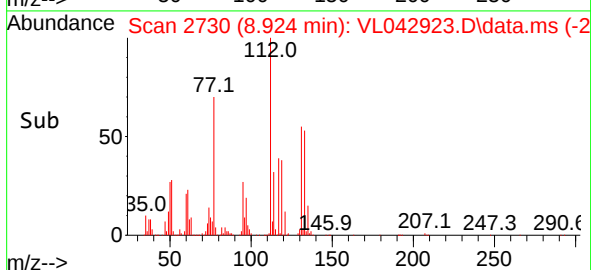
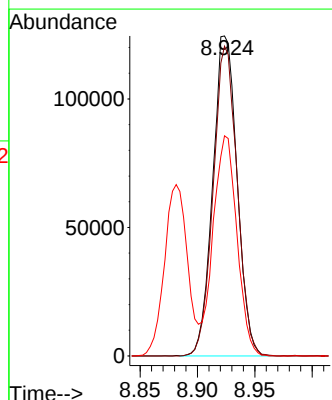
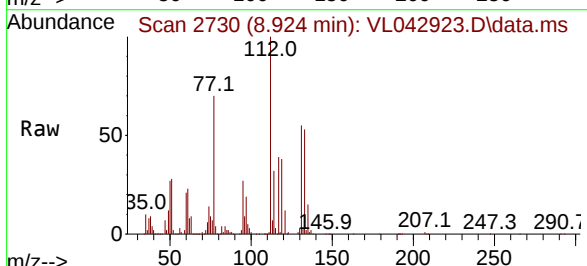
Delta R.T. 0.009 min

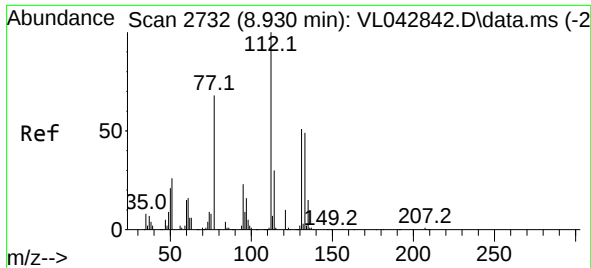
Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Tgt Ion:131 Resp: 183667

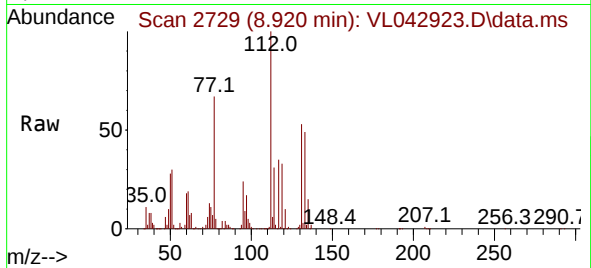
Ion	Ratio	Lower	Upper
131	100		
133	95.3	77.4	116.0
119	67.4	51.2	76.8





#57
Chlorobenzene
Concen: 12.068 ppbv
RT: 8.920 min Scan# 21
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

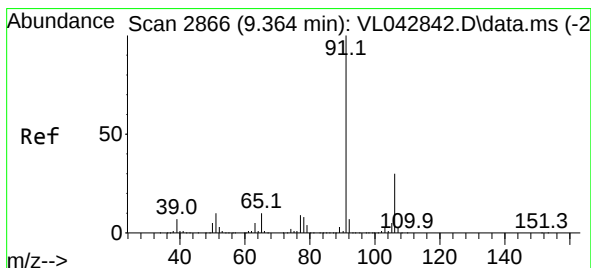
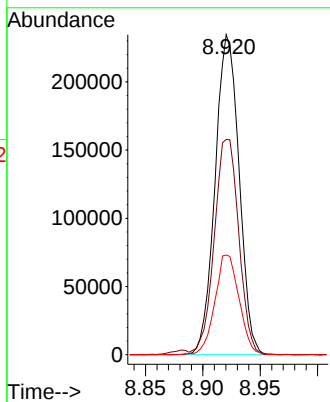
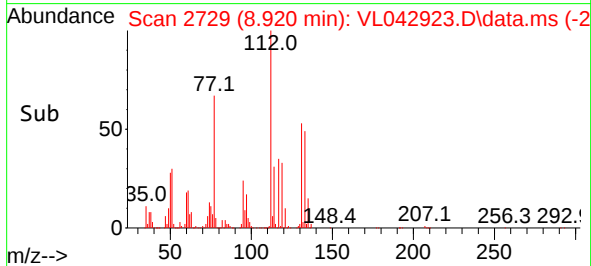
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01



Tgt Ion:112 Resp: 341190
Ion Ratio Lower Upper
112 100
77 67.3 55.5 83.3
114 31.1 27.2 33.2

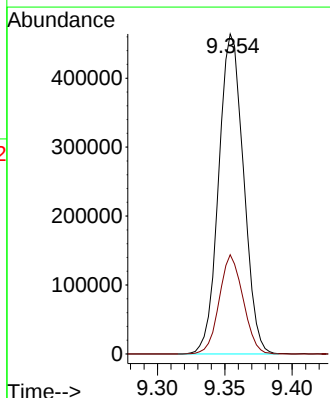
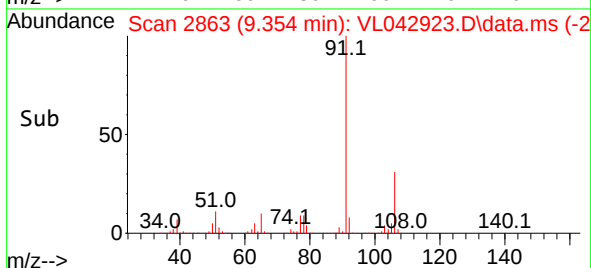
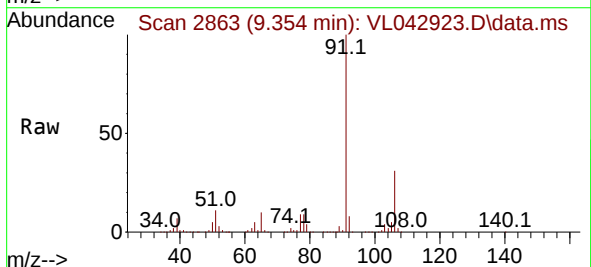
Manual Integrations
APPROVED

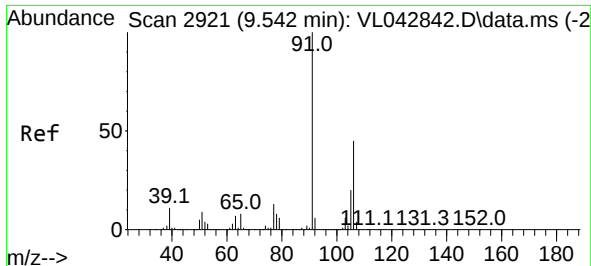
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#58
Ethyl Benzene
Concen: 11.363 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion: 91 Resp: 596255
Ion Ratio Lower Upper
91 100
106 31.0 23.9 35.9





#59

m/p-Xylene

Concen: 23.955 ppbv m

RT: 9.551 min Scan# 2924

Delta R.T. 0.013 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tgt Ion: 91 Resp: 985225

Ion Ratio Lower Upper

91 100

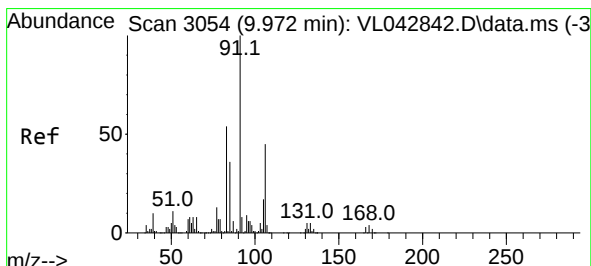
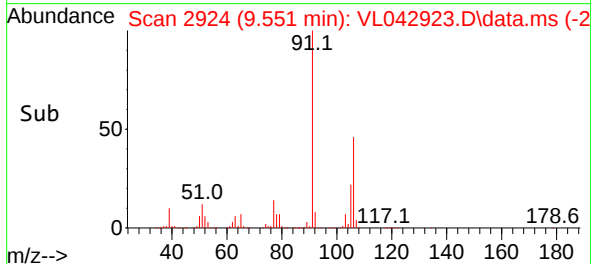
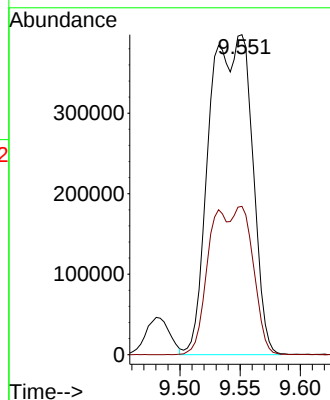
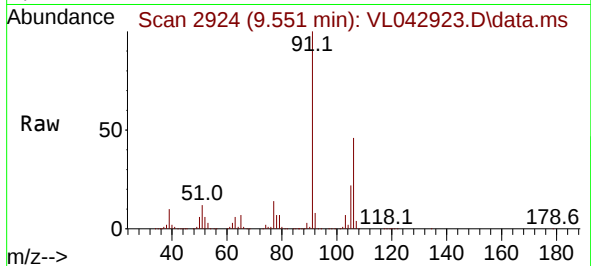
106 46.6 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025

Supervised By :Mahesh Dadoda 09/11/2025



#60

o-Xylene

Concen: 11.975 ppbv

RT: 9.962 min Scan# 3051

Delta R.T. 0.009 min

Lab File: VL042923.D

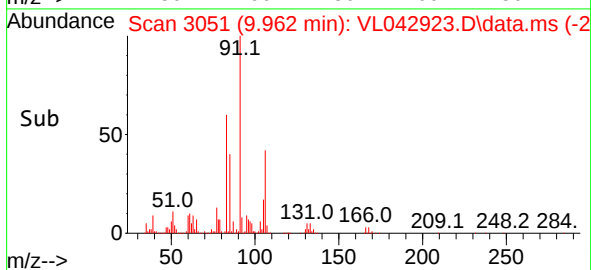
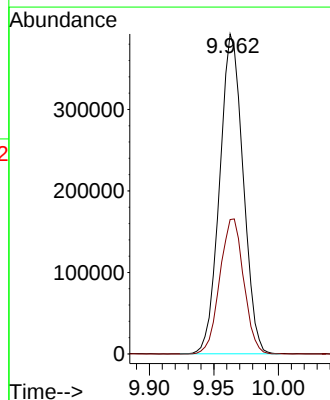
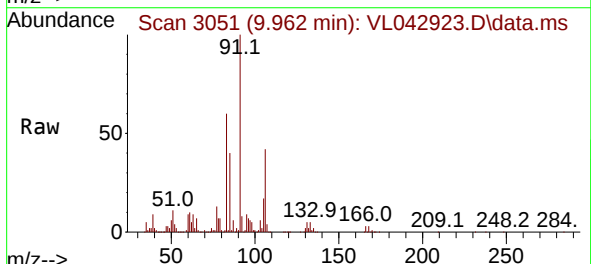
Acq: 10 Sep 2025 11:15

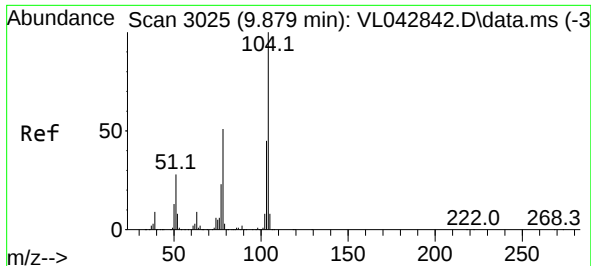
Tgt Ion: 91 Resp: 495429

Ion Ratio Lower Upper

91 100

106 43.0 21.8 65.4





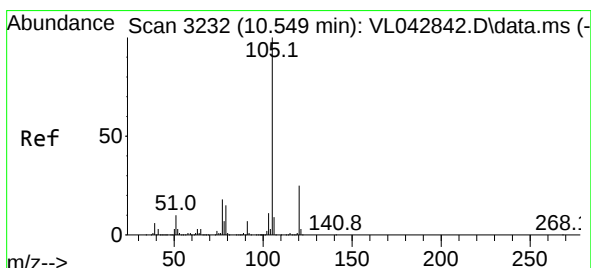
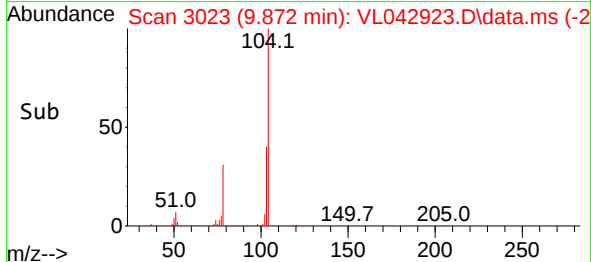
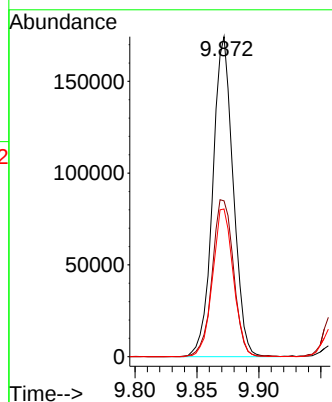
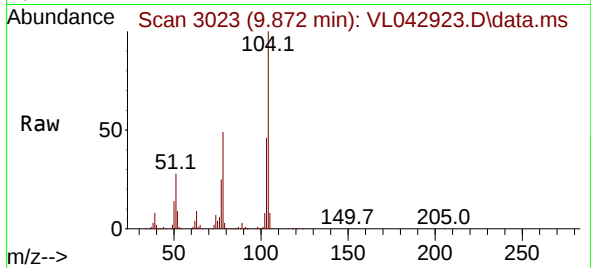
#61
Styrene
Concen: 10.352 ppbv
RT: 9.872 min Scan# 3025
Delta R.T. 0.013 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:104 Resp: 200674
Ion Ratio Lower Upper
104 100
78 51.2 40.6 61.0
103 47.0 37.7 56.5

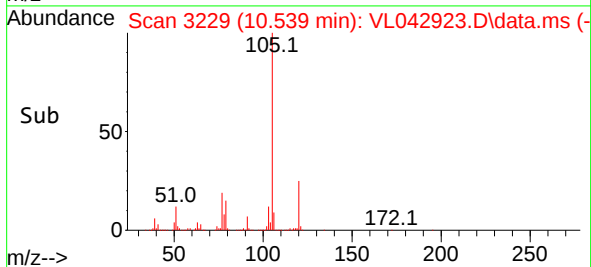
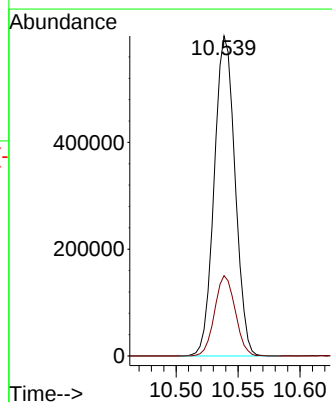
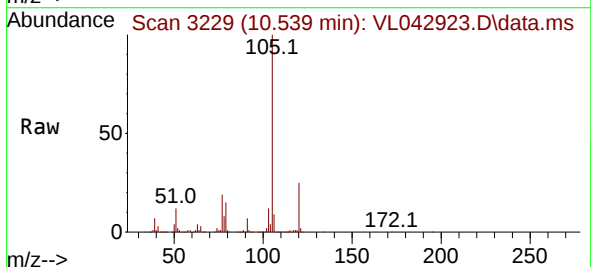
Manual Integrations
APPROVED

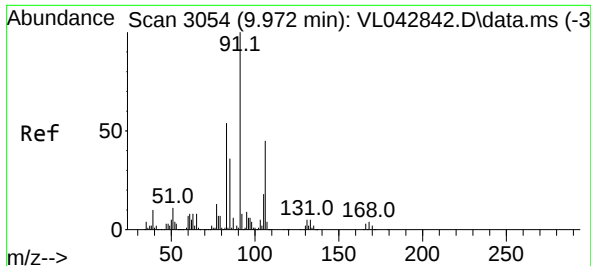
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#62
Isopropylbenzene
Concen: 11.618 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion:105 Resp: 702444
Ion Ratio Lower Upper
105 100
120 24.8 20.6 30.8





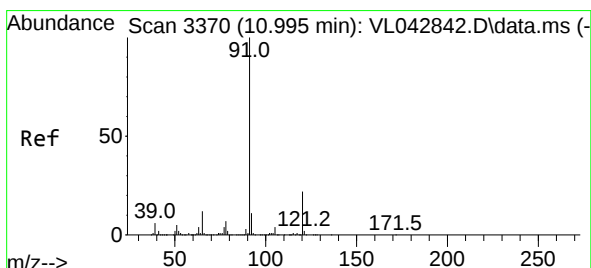
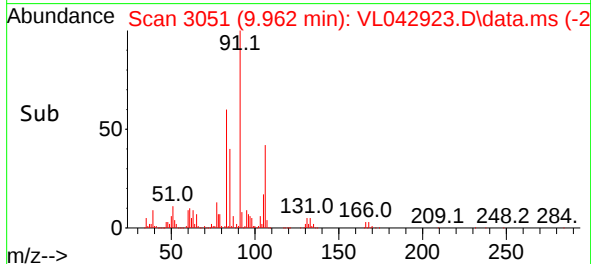
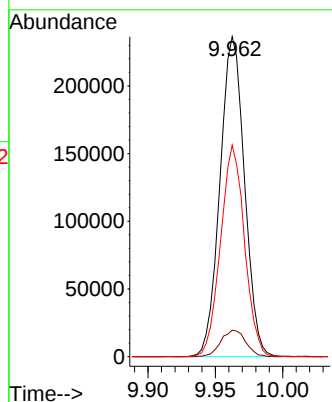
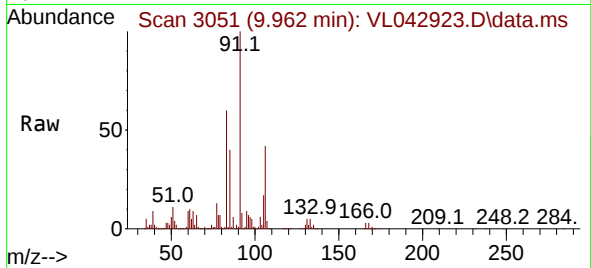
#63
1,1,2,2-Tetrachloroethane
Concen: 13.149 ppbv
RT: 9.962 min Scan# 3054
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 83 Resp: 29916
Ion Ratio Lower Upper
83 100
131 8.4 4.8 14.3
85 64.5 32.3 96.8

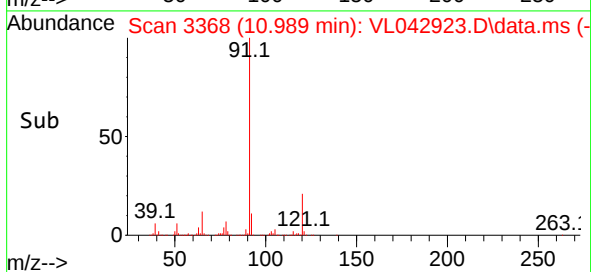
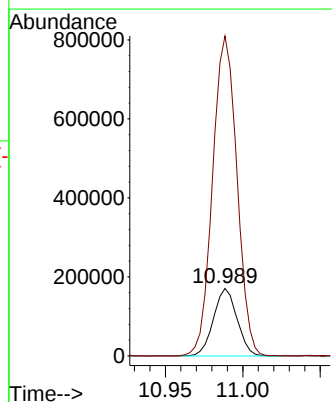
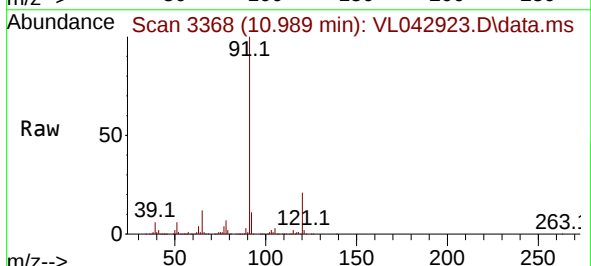
Manual Integrations
APPROVED

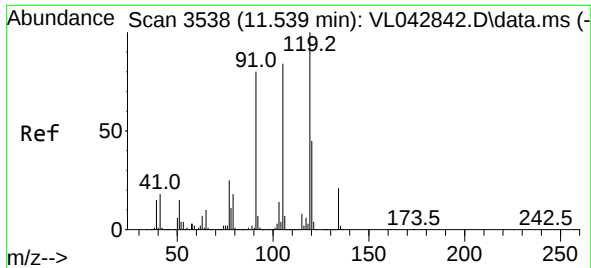
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#64
n-propylbenzene
Concen: 11.679 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

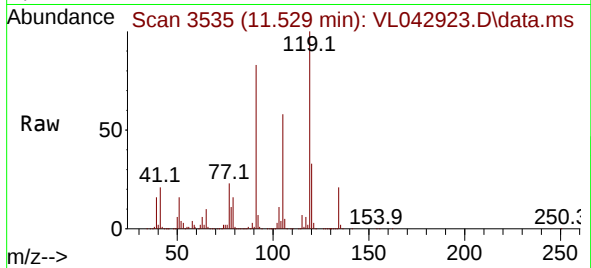
Tgt Ion:120 Resp: 180169
Ion Ratio Lower Upper
120 100
91 492.5 375.8 563.6





#65
tert-Butylbenzene
Concen: 11.420 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. 0.006 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

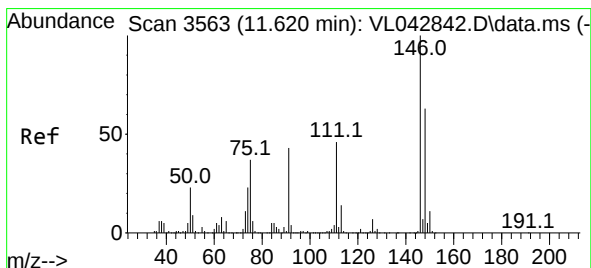
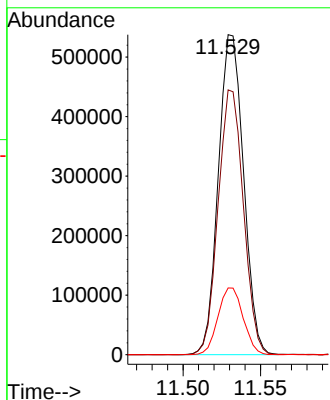
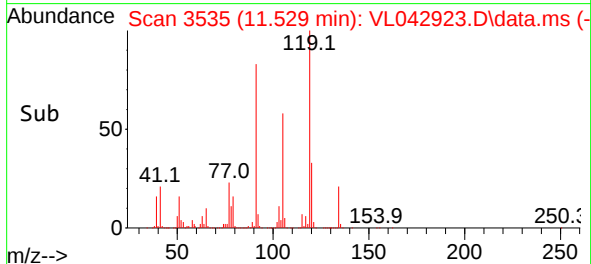
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01



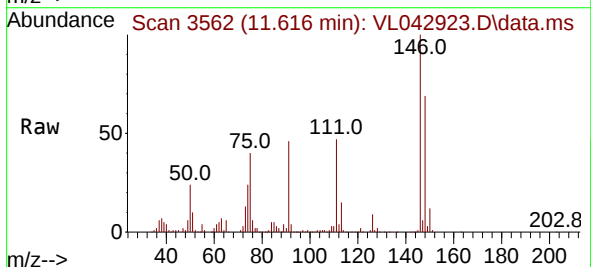
Tgt Ion: 119 Resp: 608720
Ion Ratio Lower Upper
119 100
91 82.9 63.9 95.9
134 20.9 17.0 25.4

Manual Integrations
APPROVED

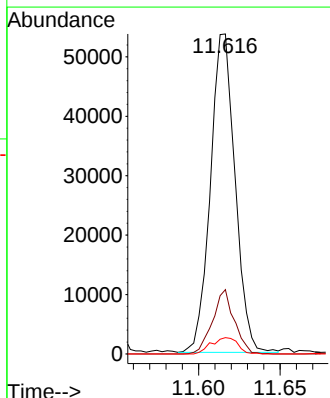
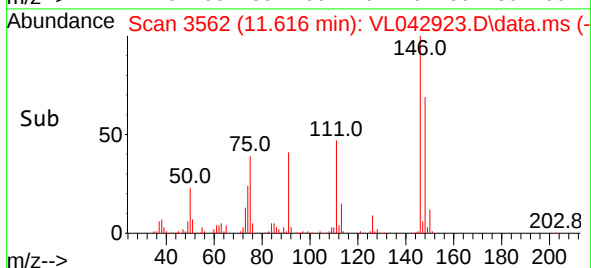
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

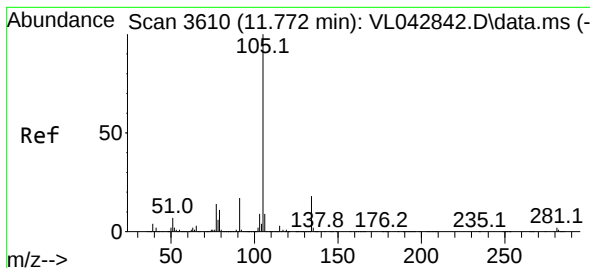


#66
Benzyl Chloride
Concen: 8.335 ppbv
RT: 11.616 min Scan# 3562
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15



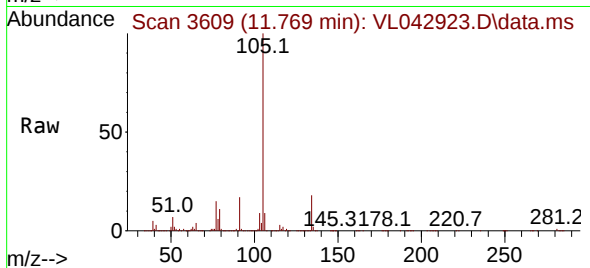
Tgt Ion: 91 Resp: 56398
Ion Ratio Lower Upper
91 100
126 17.8 14.2 21.4
128 5.5 5.0 7.6





#67
 sec-Butylbenzene
 Concen: 11.904 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. 0.009 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

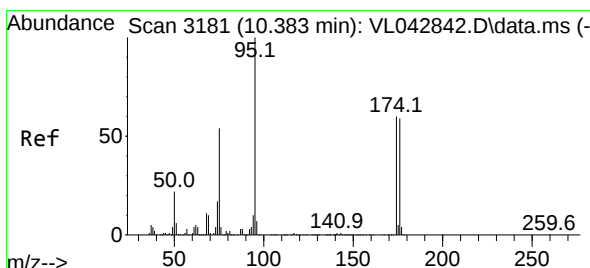
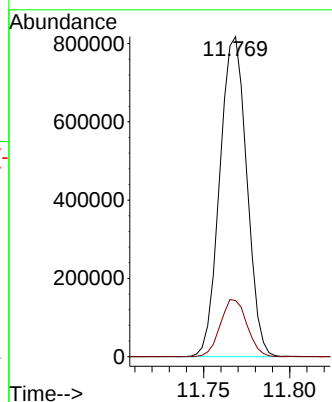
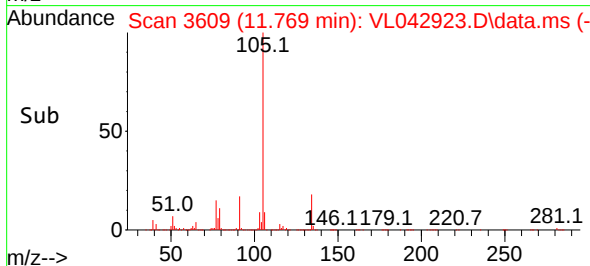
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01



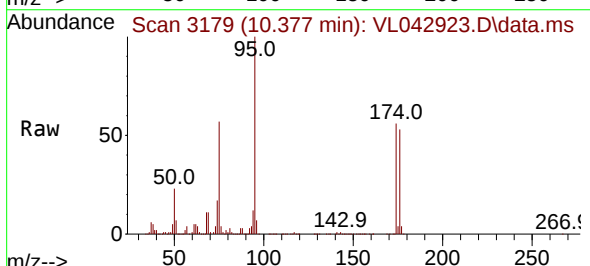
Tgt Ion:105 Resp: 890610
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.9 22.3

Manual Integrations
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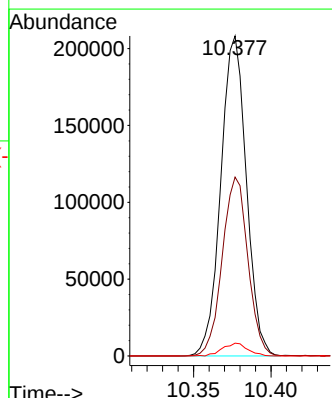
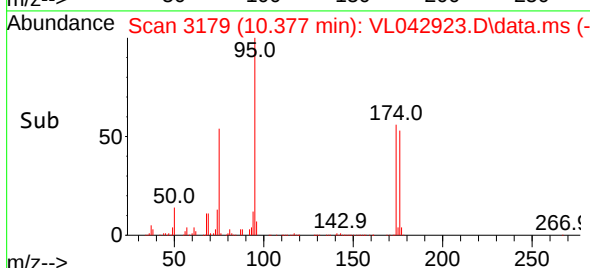
Reviewed By :Semsettin Yesilyurt 09/11/2025
 Supervised By :Mahesh Dadoda 09/11/2025

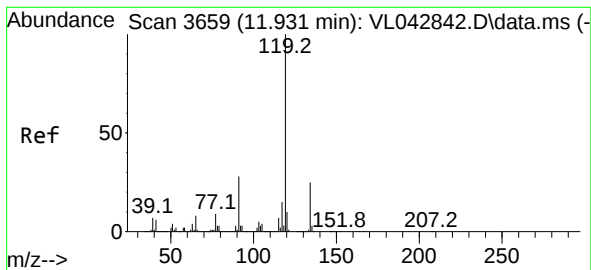


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.720 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.013 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15



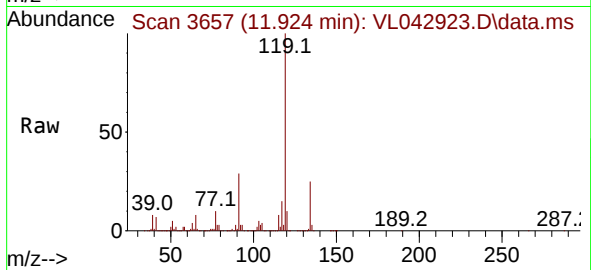
Tgt Ion: 95 Resp: 239057
 Ion Ratio Lower Upper
 95 100
 174 56.2 48.4 72.6
 175 4.0 3.8 5.8





#69
p-Isopropyltoluene
Concen: 11.209 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. 0.006 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

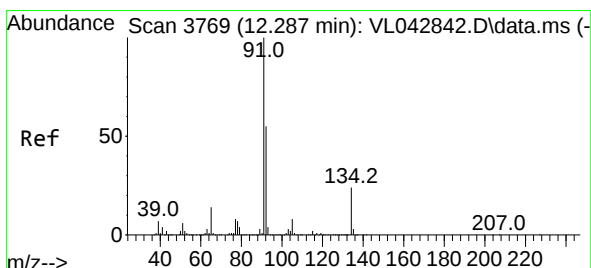
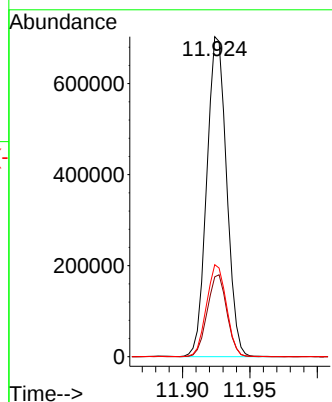
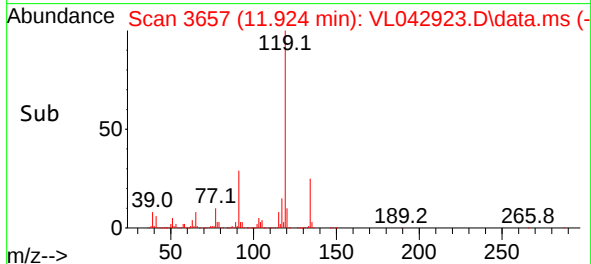
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01



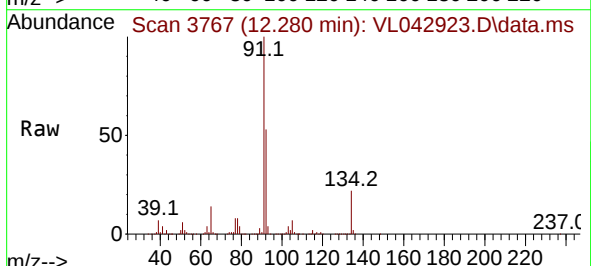
Tgt Ion: 119 Resp: 719960
Ion Ratio Lower Upper
119 100
134 25.4 20.6 30.8
91 29.0 22.6 34.0

Manual Integrations
APPROVED

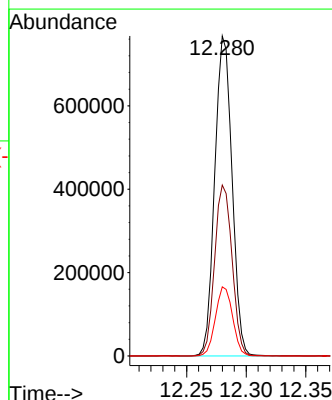
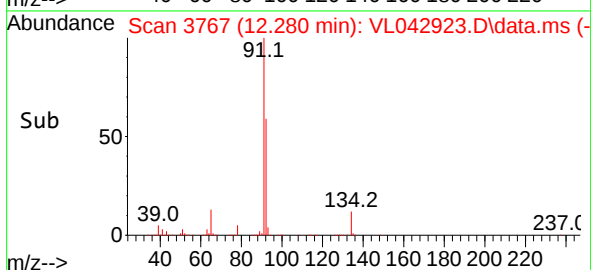
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

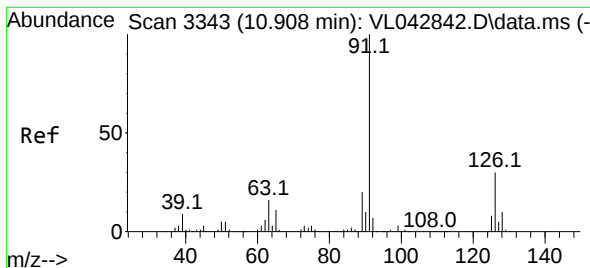


#70
n-Butylbenzene
Concen: 12.147 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.006 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15



Tgt Ion: 91 Resp: 773841
Ion Ratio Lower Upper
91 100
92 54.0 44.6 66.8
134 21.5 19.0 28.4





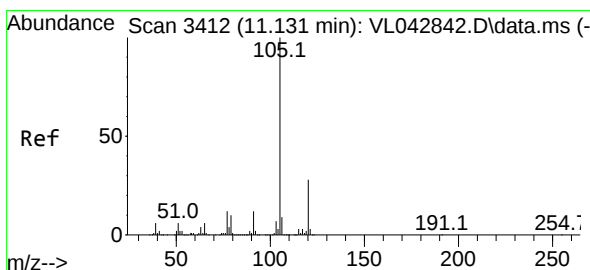
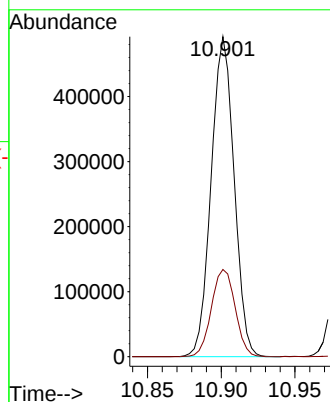
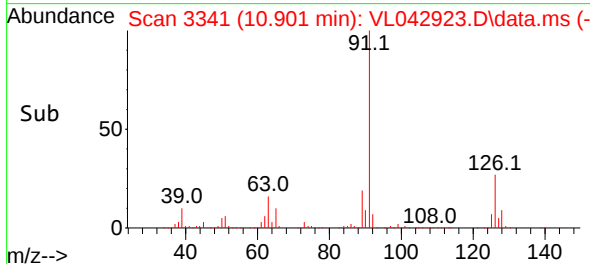
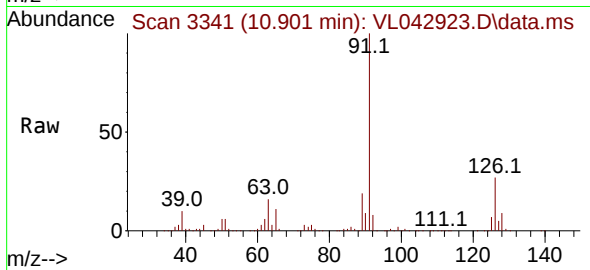
#71
2-Chlorotoluene
Concen: 11.336 ppbv
RT: 10.901 min Scan# 31
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 91 Resp: 53219
Ion Ratio Lower Upper
91 100
126 28.2 12.0 47.8

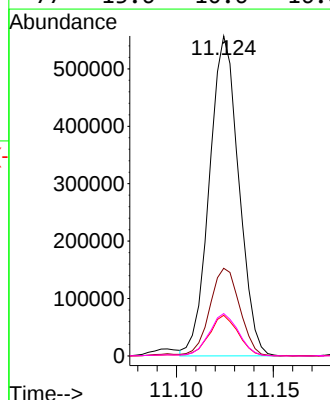
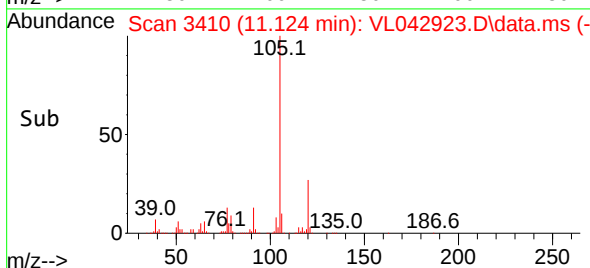
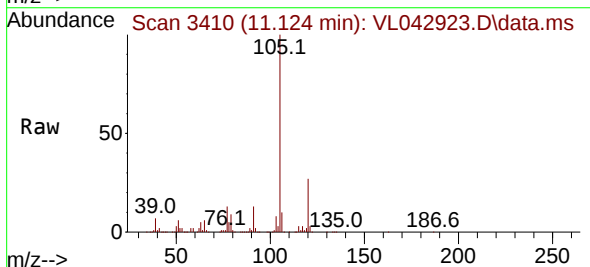
Manual Integrations
APPROVED

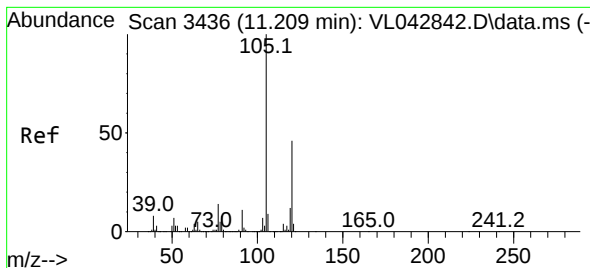
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#72
4-Ethyltoluene
Concen: 11.695 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. 0.006 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion:105 Resp: 586546
Ion Ratio Lower Upper
105 100
120 28.5 23.4 35.2
91 12.8 9.8 14.6
77 13.6 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 11.495 ppbv

RT: 11.202 min Scan# 3436

Delta R.T. 0.006 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tgt Ion:105 Resp: 490288

Ion Ratio Lower Upper

105 100

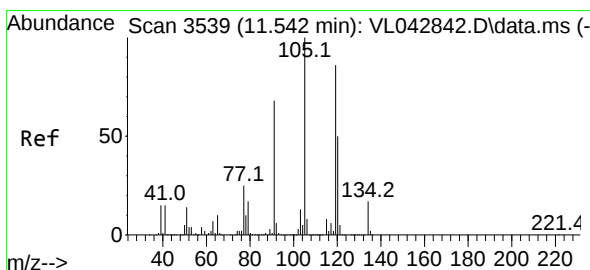
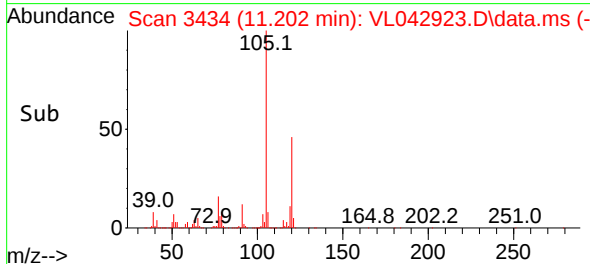
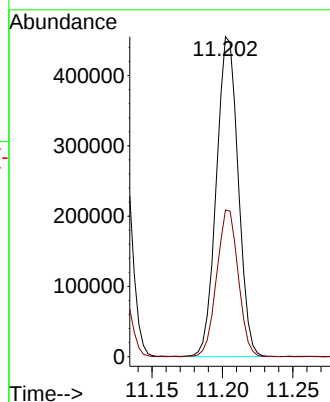
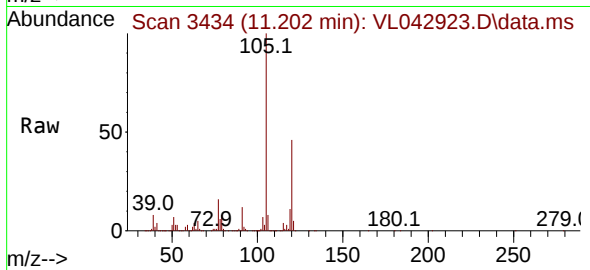
120 45.8 36.6 54.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025

Supervised By :Mahesh Dadoda 09/11/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.802 ppbv

RT: 11.535 min Scan# 3537

Delta R.T. 0.006 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Tgt Ion:105 Resp: 552511

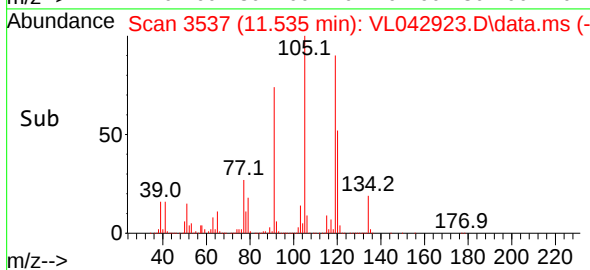
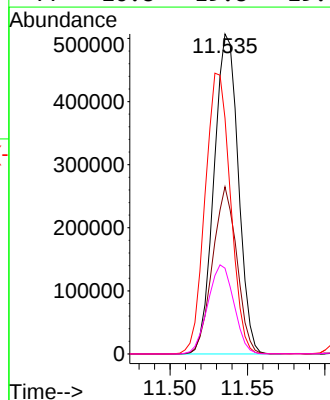
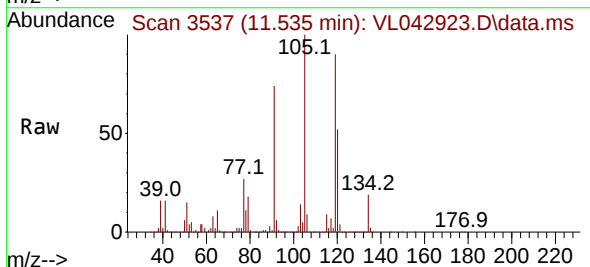
Ion Ratio Lower Upper

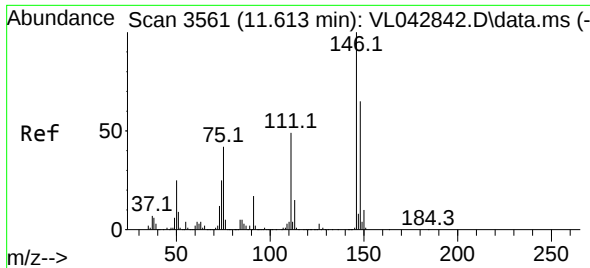
105 100

120 52.2 39.8 59.6

91 73.6 54.2 81.4

77 26.8 19.8 29.6





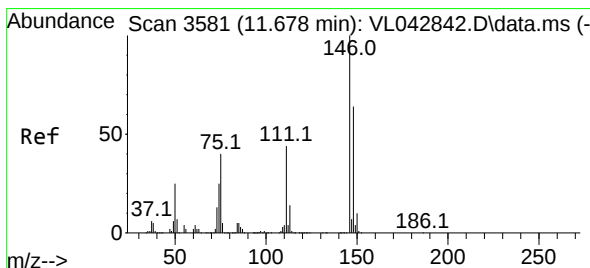
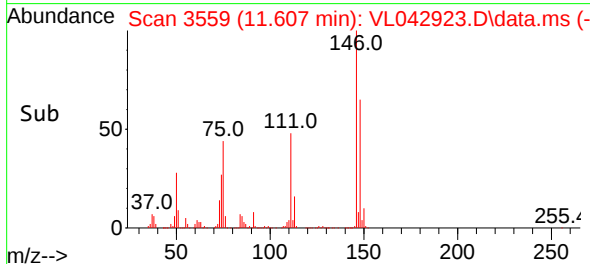
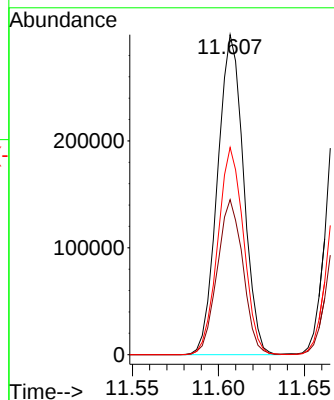
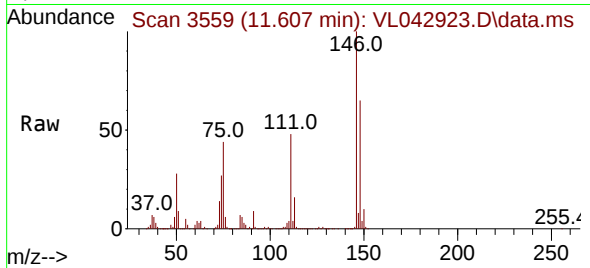
#75
1,3-Dichlorobenzene
Concen: 11.842 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:146 Resp: 31516
Ion Ratio Lower Upper
146 100
111 47.8 23.9 71.7
148 64.1 31.4 94.0

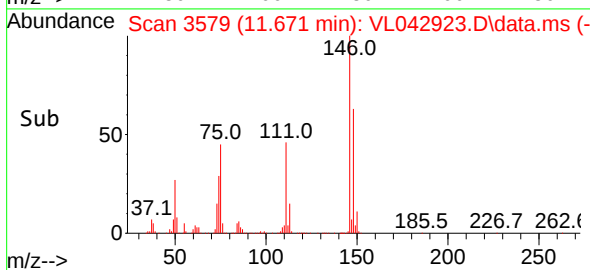
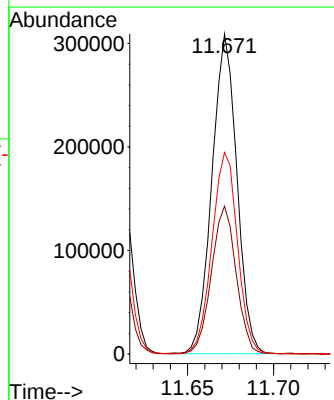
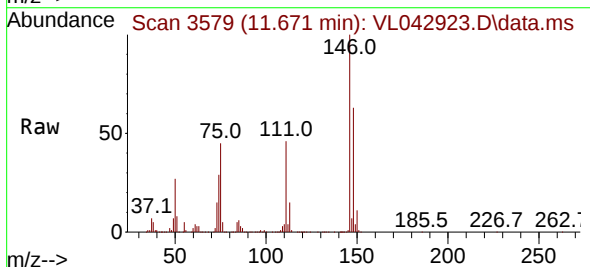
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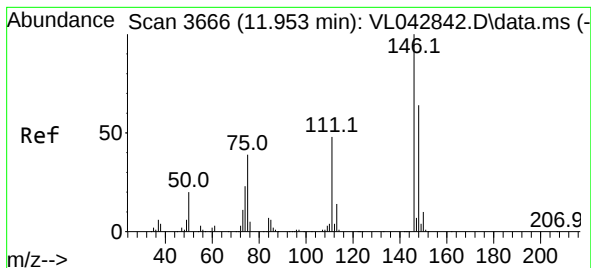
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#76
1,4-Dichlorobenzene
Concen: 11.572 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion:146 Resp: 311459
Ion Ratio Lower Upper
146 100
111 46.0 22.7 68.1
148 64.8 31.8 95.3





#77

1,2-Dichlorobenzene

Concen: 11.942 ppbv

RT: 11.947 min Scan# 3666

Delta R.T. 0.006 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

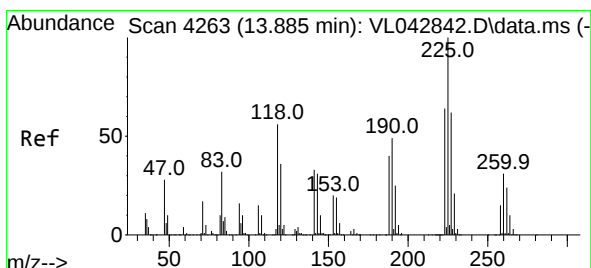
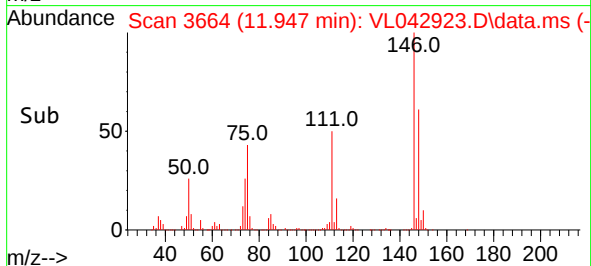
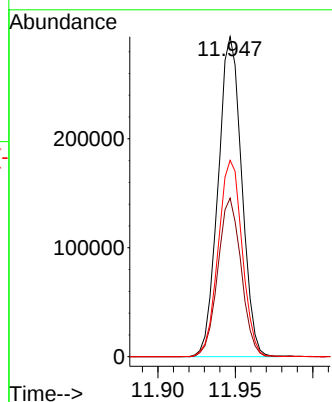
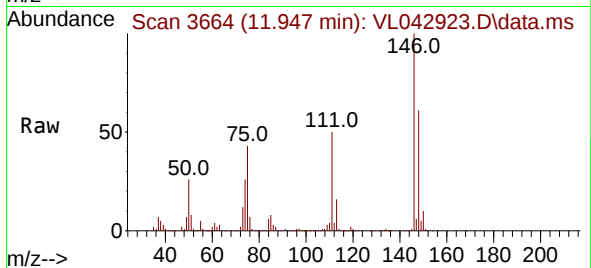
VL0910ABS01

Tgt Ion:	146	Resp:	31122
Ion Ratio	Lower	Upper	
146	100		
111	49.0	24.6	74.0
148	62.4	32.0	96.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#78

Hexachloro-1,3-Butadiene

Concen: 8.348 ppbv

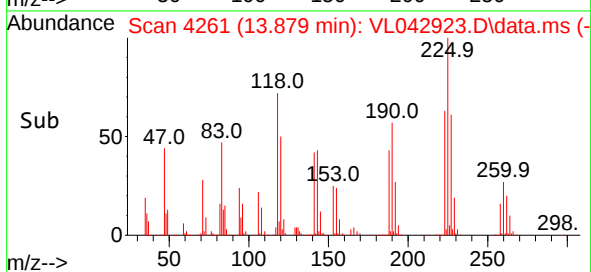
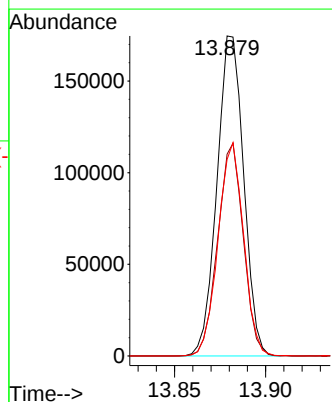
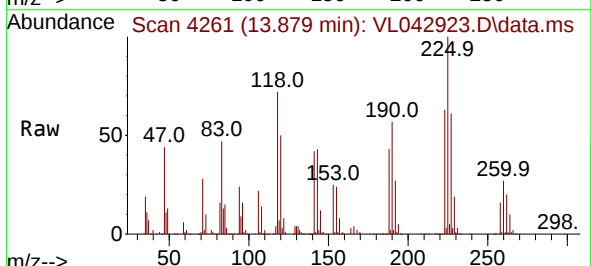
RT: 13.879 min Scan# 4261

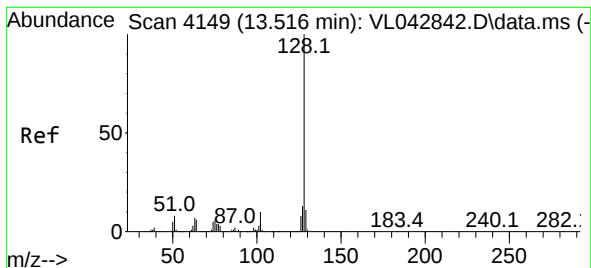
Delta R.T. 0.006 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Tgt Ion:	225	Resp:	178304
Ion Ratio	Lower	Upper	
225	100		
223	63.5	51.4	77.2
227	63.6	51.9	77.9





#79

Naphthalene

Concen: 10.683 ppbv

RT: 13.513 min Scan# 4149

Delta R.T. 0.009 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

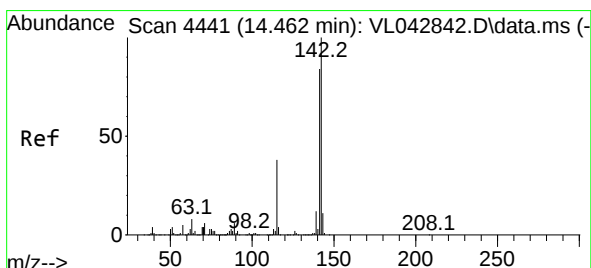
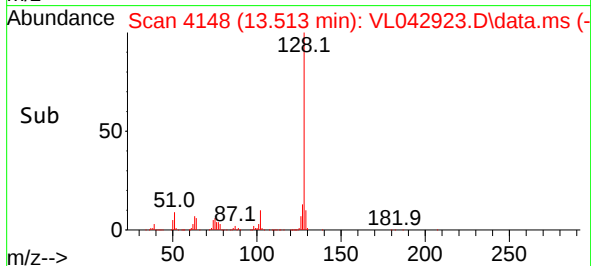
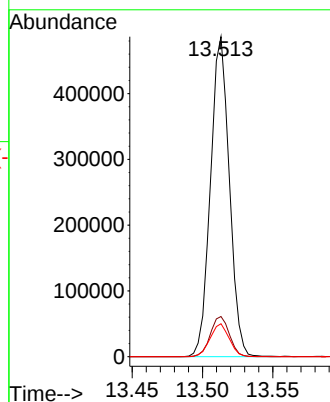
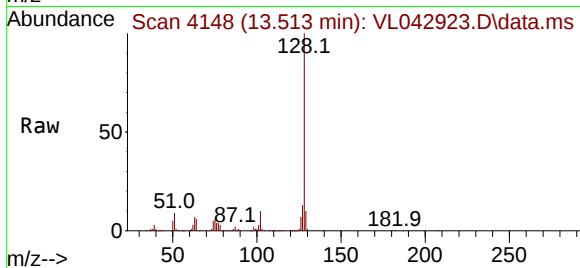
VL0910ABS01

Tgt Ion:128	Resp: 453434
Ion Ratio	Lower Upper
128	100
127	12.6 10.6 16.0
129	10.3 8.9 13.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#80

Naphthalene,2-methyl-

Concen: 7.633 ppbv

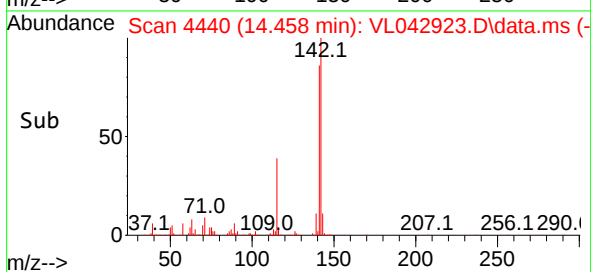
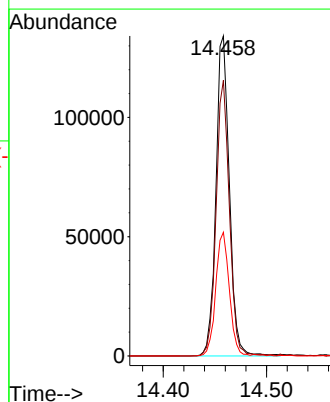
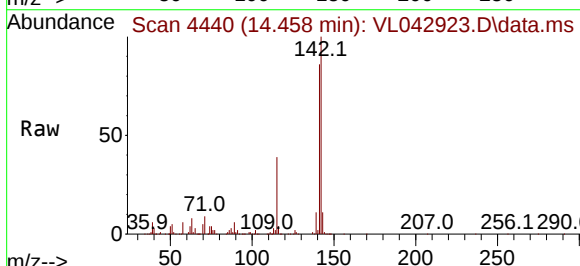
RT: 14.458 min Scan# 4440

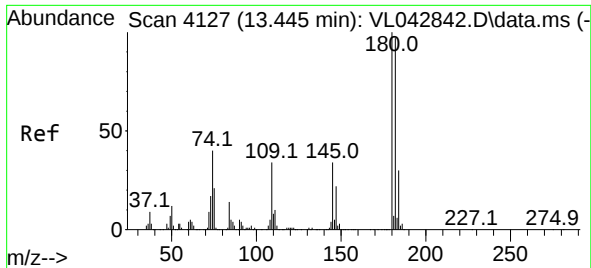
Delta R.T. 0.009 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

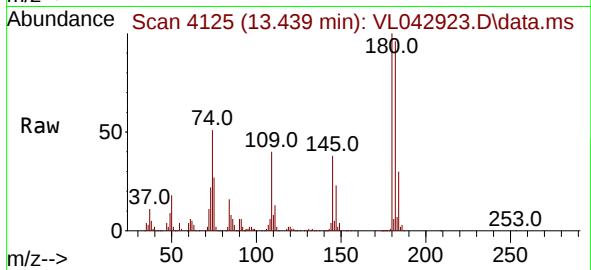
Tgt Ion:142	Resp: 121054
Ion Ratio	Lower Upper
142	100
141	85.6 67.0 100.6
115	39.7 30.9 46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 10.235 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01



Tgt Ion:180 Resp: 218320
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.9 115.3
 184 30.4 24.5 36.7

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 09/11/2025
 Supervised By :Mahesh Dadoda 09/11/2025

