

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042953.D
 Acq On : 22 Sep 2025 11:22
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/23/2025
 Supervised By : Mahesh Dadoda 09/24/2025

Quant Time: Sep 23 02:11:22 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M

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

QLast Update : Tue Sep 23 02:07:33 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	165435	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	509306	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	464091	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 347374 10.027 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.300%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.499	85	11508	0.517	ppbv	96
3) Chlorodifluoromethane	1.476	51	14744	0.532	ppbv #	90
4) Chloromethane	1.534	50	5729	0.569	ppbv	97
5) Vinyl Chloride	1.580	62	4373	0.480	ppbv	93
6) Bromomethane	1.667	94	1850	0.576	ppbv	100
7) Chloroethane	1.703	64	1936	0.548	ppbv #	87
8) Dichlorotetrafluoroethane	1.554	85	10149	0.534	ppbv	96
9) Propene	1.483	41	6482	0.537	ppbv	94
10) Heptane	4.978	43	17388m	0.537	ppbv	
11) Trichlorofluoromethane	1.877	101	11200	0.522	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	9346	0.538	ppbv	100
13) Ethanol	1.719	45	629m	0.544	ppbv	
14) Bromoethene	1.784	108	3553	0.541	ppbv #	84
15) Acetone	1.835	43	12326	0.572	ppbv #	86
16) 1,3-Butadiene	1.609	39	6215	0.611	ppbv #	82
17) tert-Butyl alcohol	2.043	59	13128	0.555	ppbv #	77
18) 1,1-Dichloroethene	2.033	96	4543	0.565	ppbv	93
19) Isopropyl Alcohol	1.887	45	7431	0.574	ppbv #	46
20) Methylene Chloride	2.062	84	6881	0.430	ppbv	87
21) Allyl Chloride	2.098	41	7481	0.499	ppbv #	69
22) trans-1,2-Dichloroethene	2.337	96	4869m	0.533	ppbv	
23) Vinyl Acetate	2.460	43	18264	0.593	ppbv #	95
24) 1,1-Dichloroethane	2.408	63	9484	0.529	ppbv #	98
25) Ethyl Acetate	2.836	43	28162	0.517	ppbv #	95
26) Hexane	2.823	57	13406	0.540	ppbv	98
27) Carbon Disulfide	2.149	76	11535	0.518	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	7886	0.611	ppbv #	65
29) Chloroform	2.845	83	17188	0.530	ppbv	100
30) Cyclohexane	3.855	84	10856	0.523	ppbv	93
31) cis-1,2-Dichloroethene	2.719	61	11939	0.513	ppbv	99
32) 1,1,1-Trichloroethane	3.366	97	16684	0.474	ppbv	96
34) 2-Butanone	2.557	43	18948	0.531	ppbv	96
35) Carbon Tetrachloride	3.761	117	16799	0.513	ppbv	94
36) Benzene	3.654	78	24807	0.519	ppbv #	95
37) 1,2-Dichloroethane	3.217	62	12788	0.508	ppbv	100
38) Trichloroethene	4.544	130	12243	0.515	ppbv #	88
39) 1,2-Dichloropropane	4.315	63	8772	0.502	ppbv #	86
40) 1,4-Dioxane	4.599	88	4405m	0.543	ppbv	
41) Tetrahydrofuran	3.059	42	10871	0.530	ppbv	95
42) Bromodichloromethane	4.486	83	17552	0.501	ppbv	96
43) Methyl Methacrylate	4.881	69	10330m	0.532	ppbv	
44) 2,2,4-Trimethylpentane	4.642	57	43414m	0.525	ppbv	
45) t-1,3-Dichloropropene	6.409	75	10262m	0.492	ppbv	

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Instrument :
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 VSTDICC0.5

Manual Integrations
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 Supervised By :Mahesh Dadoda 09/24/2025

Quant Time: Sep 23 02:11:22 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M

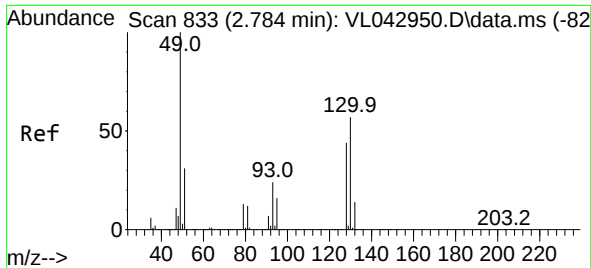
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue Sep 23 02:07:33 2025

Response via : Initial Calibration

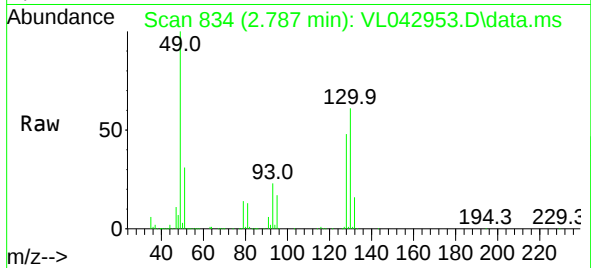
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	13304m	0.500	ppbv	
47) 1,1,2-Trichloroethane	6.580	97	9725m	0.527	ppbv	
48) Dibromochloromethane	7.383	129	14563	0.493	ppbv	99
49) Bromoform	9.480	173	12136	0.473	ppbv	97
50) 4-Methyl-2-Pentanone	5.761	43	23639	0.493	ppbv	95
51) 2-Hexanone	7.441	43	18322	0.480	ppbv #	97
52) Tetrachloroethene	8.218	164	9073m	0.490	ppbv	
53) Toluene	6.927	91	29404	0.519	ppbv	99
54) 1,2-Dibromoethane	7.648	107	13233	0.510	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.924	131	11535	0.519	ppbv #	1
57) Chlorobenzene	8.920	112	22463	0.530	ppbv	91
58) Ethyl Benzene	9.351	91	38459	0.505	ppbv	96
59) m/p-Xylene	9.545	91	61801m	1.028	ppbv	
60) o-Xylene	9.959	91	30976	0.516	ppbv	98
61) Styrene	9.865	104	14048	0.495	ppbv	98
62) Isopropylbenzene	10.535	105	46640	0.521	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	15974	0.506	ppbv	97
64) n-propylbenzene	10.985	120	12333	0.527	ppbv	100
65) tert-Butylbenzene	11.529	119	42595	0.535	ppbv	99
66) Benzyl Chloride	11.613	91	3942m	0.472	ppbv	
67) sec-Butylbenzene	11.765	105	58190	0.525	ppbv	99
69) p-Isopropyltoluene	11.924	119	48855	0.521	ppbv	100
70) n-Butylbenzene	12.280	91	44764	0.489	ppbv	100
71) 2-Chlorotoluene	10.898	91	35797	0.530	ppbv	96
72) 4-Ethyltoluene	11.125	105	39803	0.529	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	30932	0.507	ppbv	96
74) 1,2,4-Trimethylbenzene	11.532	105	35601	0.529	ppbv	97
75) 1,3-Dichlorobenzene	11.607	146	21307	0.510	ppbv	98
76) 1,4-Dichlorobenzene	11.668	146	21404	0.516	ppbv	98
77) 1,2-Dichlorobenzene	11.943	146	20279	0.510	ppbv	95
78) Hexachloro-1,3-Butadiene	13.879	225	17515	0.563	ppbv	98
79) Naphthalene	13.510	128	25577	0.429	ppbv	97
80) Naphthalene,2-methyl-	14.458	142	8906	0.484	ppbv	92
81) 1,2,4-Trichlorobenzene	13.439	180	12920	0.406	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 833
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

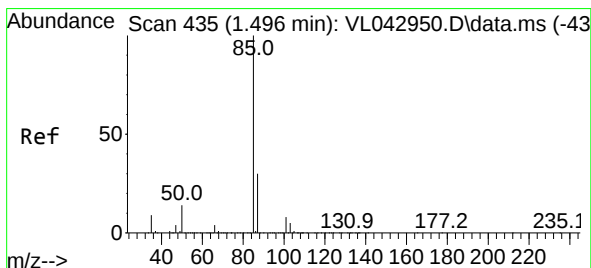
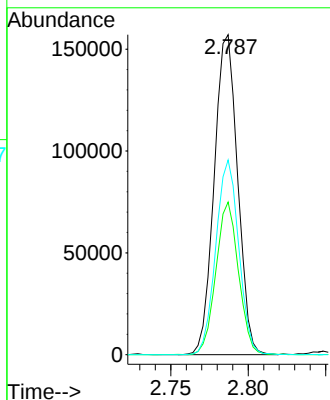
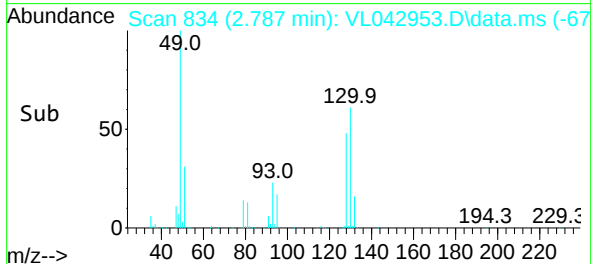
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



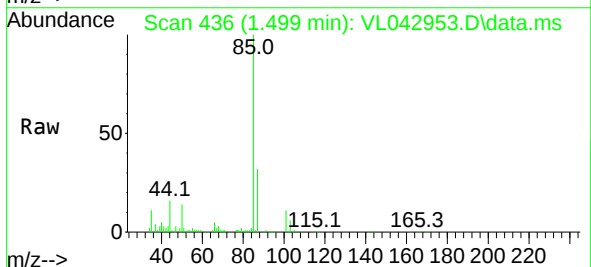
Tgt Ion: 49 Resp: 16543
Ion Ratio Lower Upper
49 100
128 46.1 22.9 68.8
130 59.5 29.1 87.3

Manual Integrations
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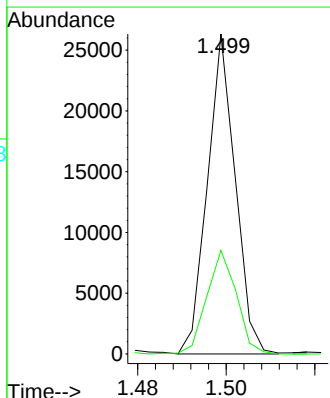
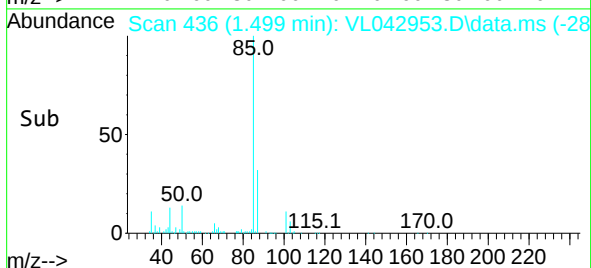
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

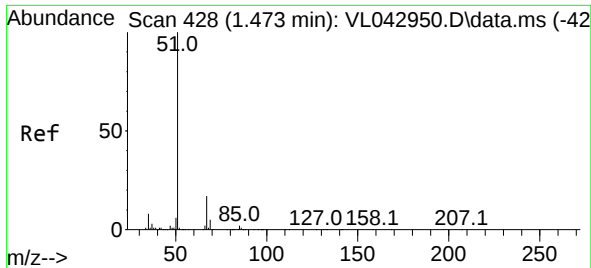


#2
Dichlorodifluoromethane
Concen: 0.517 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22



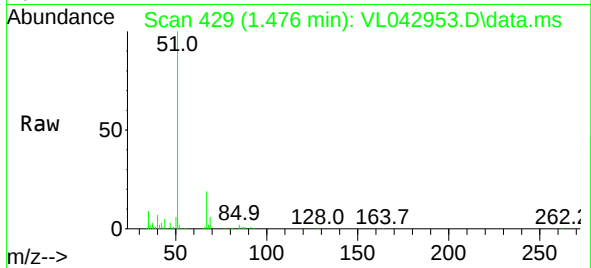
Tgt Ion: 85 Resp: 11508
Ion Ratio Lower Upper
85 100
87 32.4 24.3 36.5





#3
Chlorodifluoromethane
Concen: 0.532 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

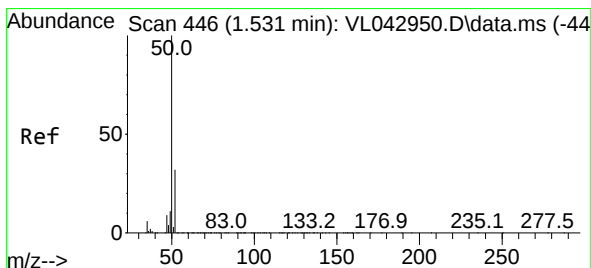
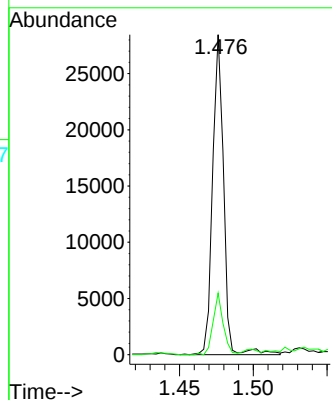
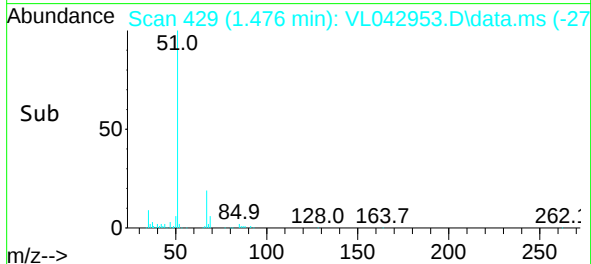
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



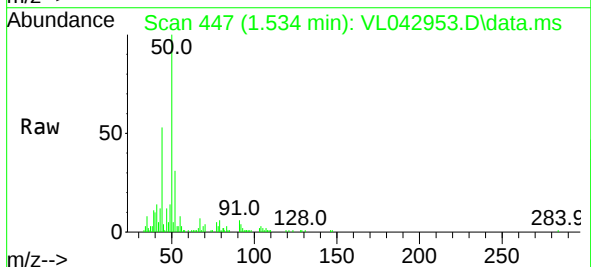
Tgt Ion: 51 Resp: 14744
Ion Ratio Lower Upper
51 100
67 21.7 13.8 20.8

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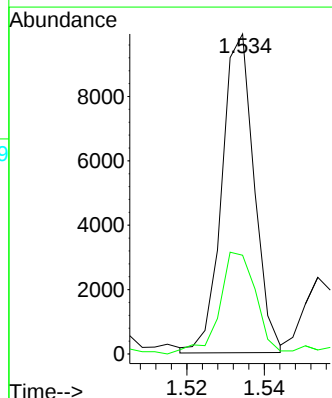
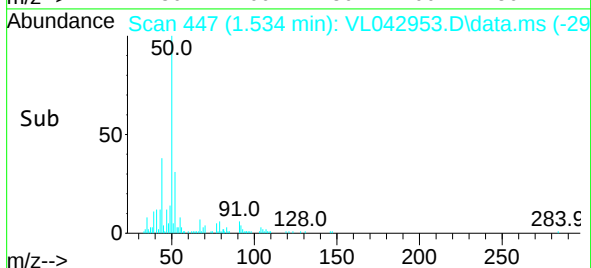
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

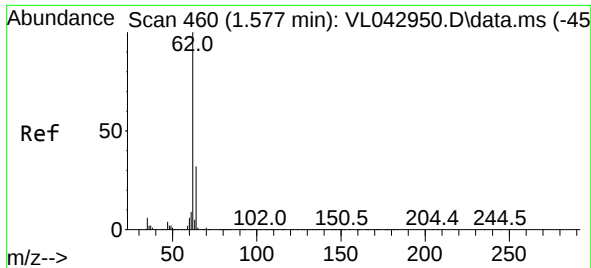


#4
Chloromethane
Concen: 0.569 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22



Tgt Ion: 50 Resp: 5729
Ion Ratio Lower Upper
50 100
52 30.5 25.9 38.9





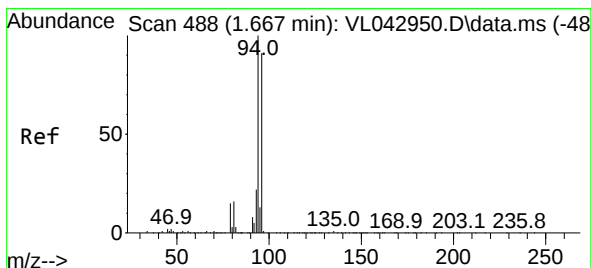
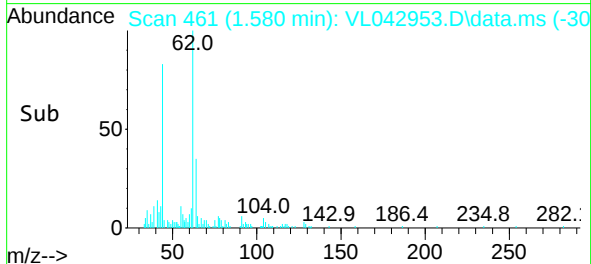
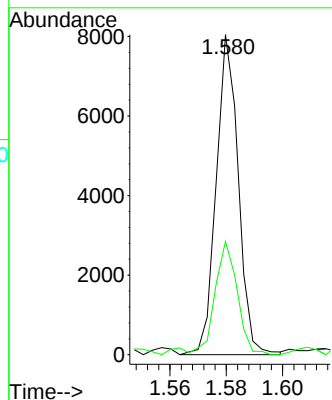
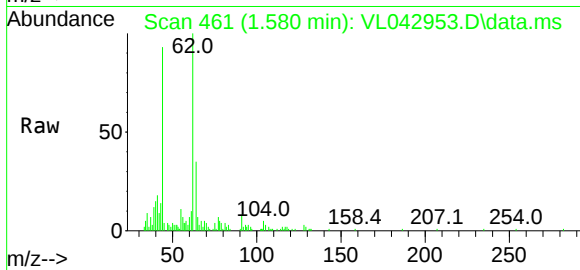
#5
 Vinyl Chloride
 Concen: 0.480 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 62 Resp: 437
 Ion Ratio Lower Upper
 62 100
 64 35.5 25.4 38.2

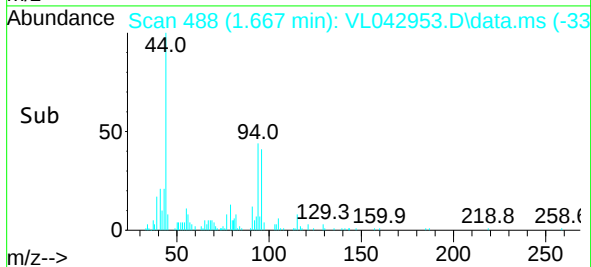
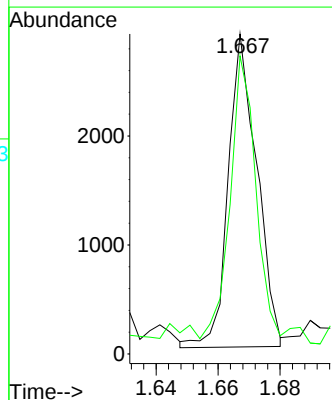
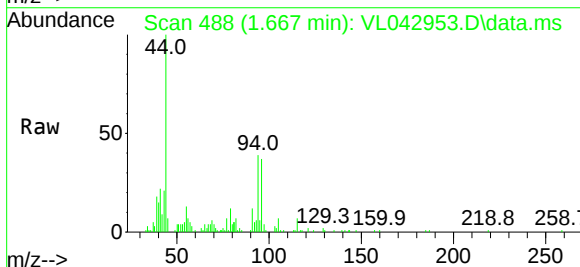
Manual Integrations
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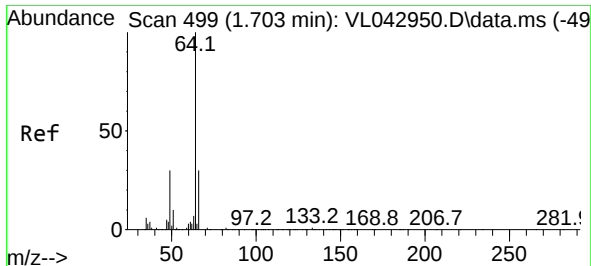
Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025



#6
 Bromomethane
 Concen: 0.576 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

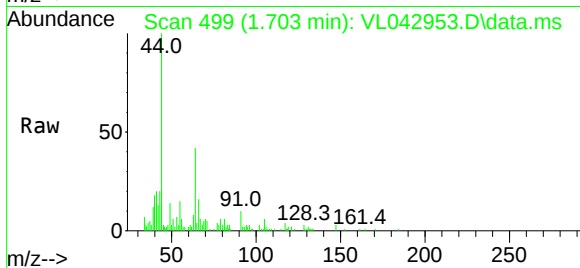
Tgt Ion: 94 Resp: 1850
 Ion Ratio Lower Upper
 94 100
 96 90.9 72.6 108.8





#7
Chloroethane
Concen: 0.548 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

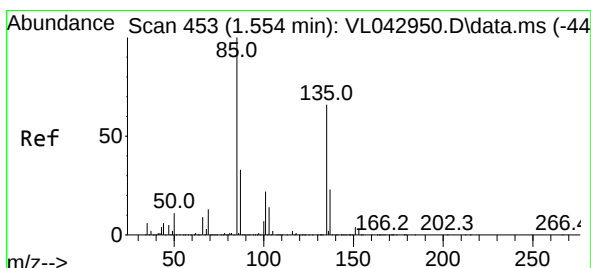
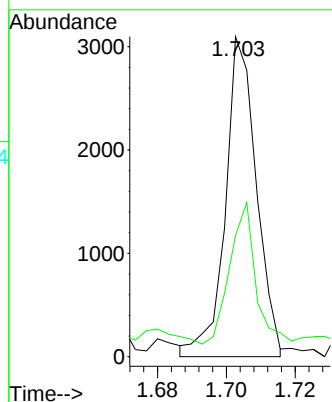
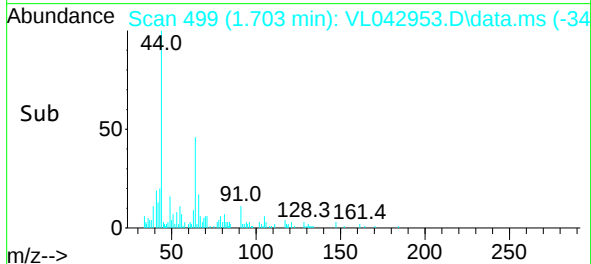
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



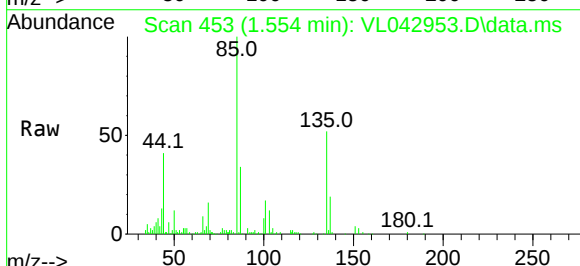
Tgt Ion: 64 Resp: 1930
Ion Ratio Lower Upper
64 100
66 37.9 24.6 36.8

Manual Integrations
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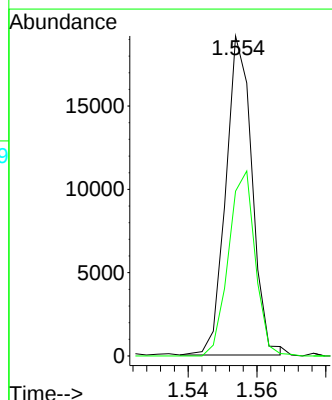
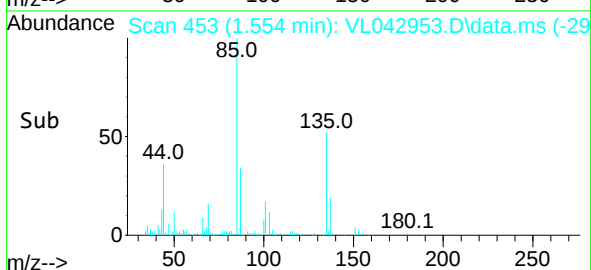
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

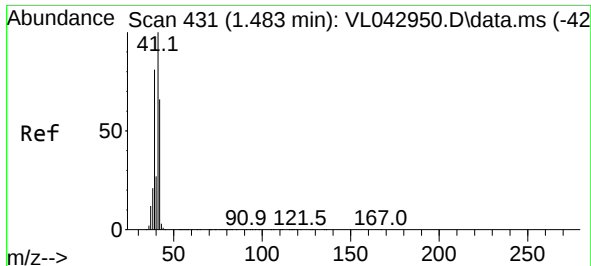


#8
Dichlorotetrafluoroethane
Concen: 0.534 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22



Tgt Ion: 85 Resp: 10149
Ion Ratio Lower Upper
85 100
135 59.1 49.7 74.5





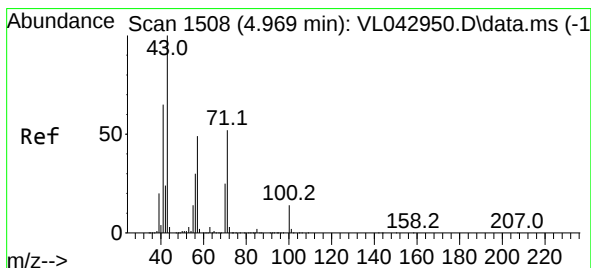
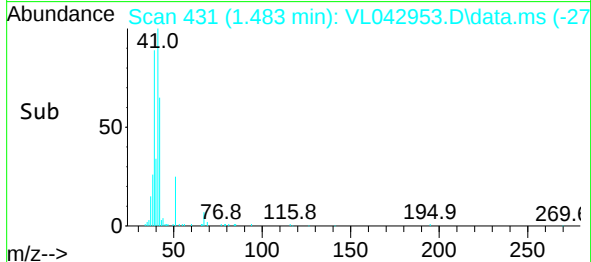
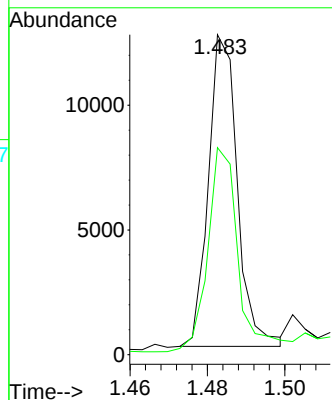
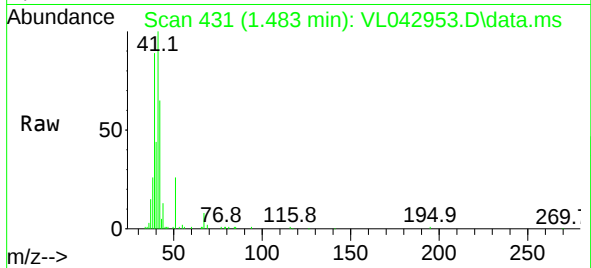
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 Propene
 Concen: 0.537 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 648
 Ion Ratio Lower Upper
 41 100
 42 77.1 57.4 86.2

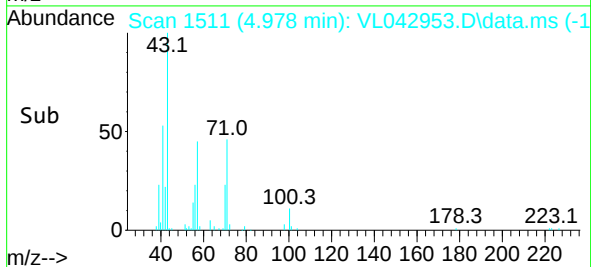
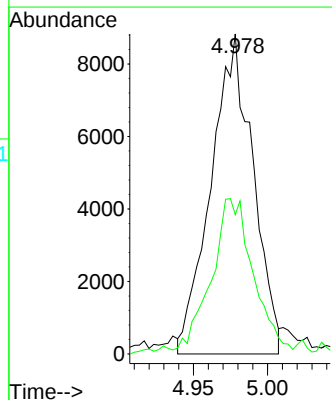
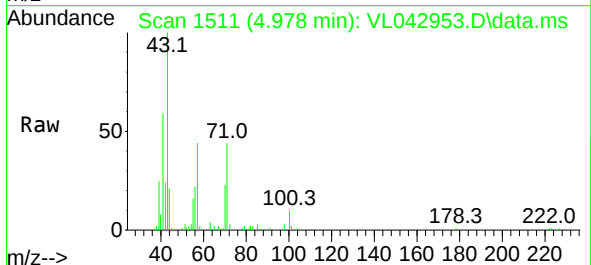
Manual Integrations
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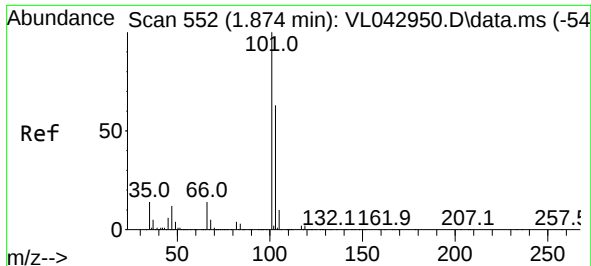
Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025



#10
 Heptane
 Concen: 0.537 ppbv m
 RT: 4.978 min Scan# 1511
 Delta R.T. 0.010 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

Tgt Ion: 43 Resp: 17388
 Ion Ratio Lower Upper
 43 100
 57 49.0 38.6 57.8





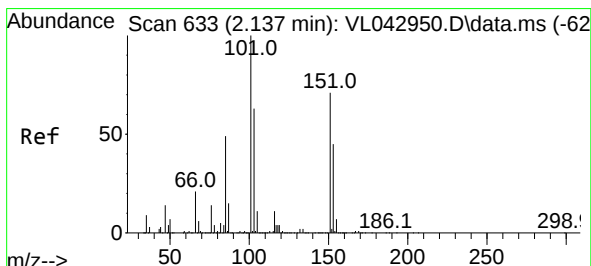
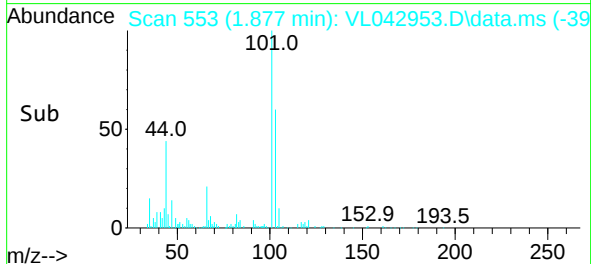
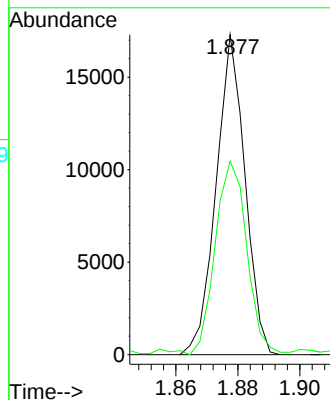
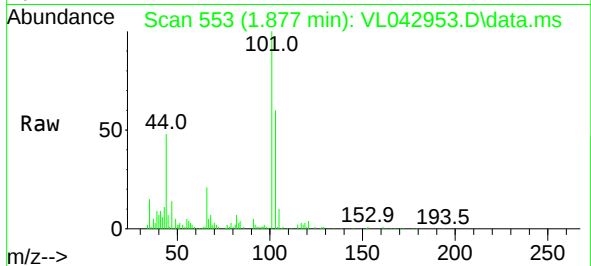
#11
Trichlorofluoromethane
Concen: 0.522 ppbv
RT: 1.877 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:101 Resp: 11200
Ion Ratio Lower Upper
101 100
103 59.7 50.1 75.1

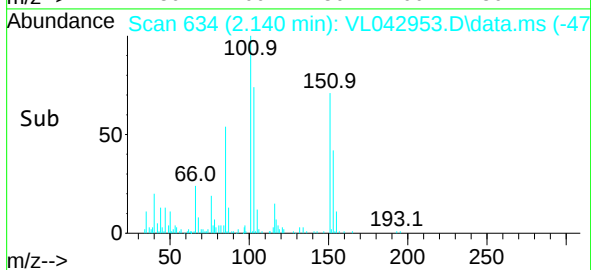
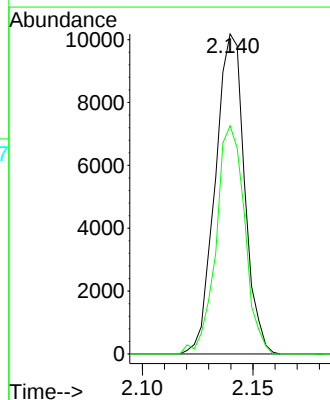
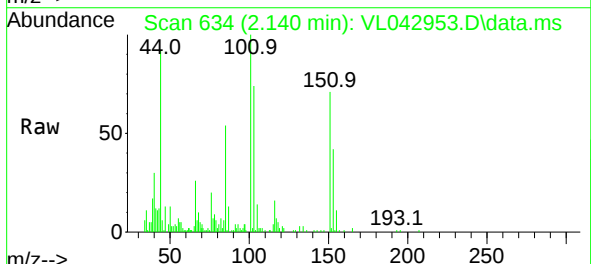
Manual Integrations
APPROVED

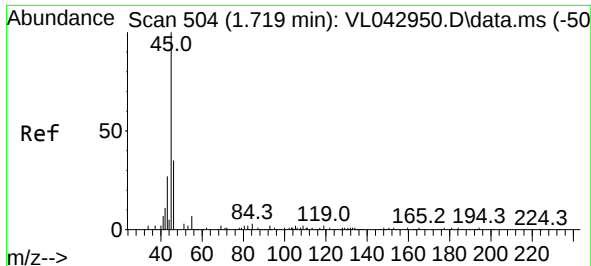
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.538 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

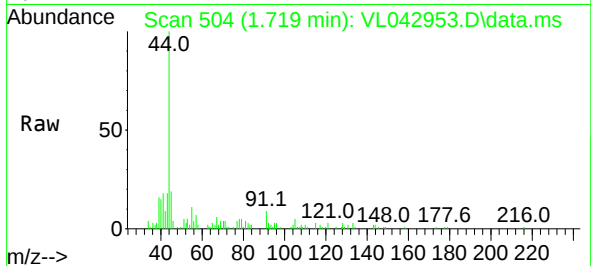
Tgt Ion:101 Resp: 9346
Ion Ratio Lower Upper
101 100
151 69.7 55.7 83.5





#13
Ethanol
Concen: 0.544 ppbv m
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

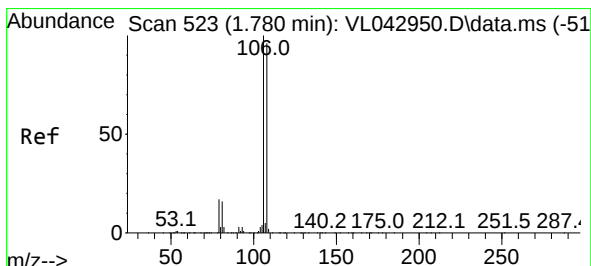
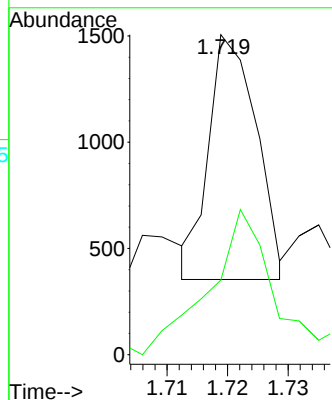
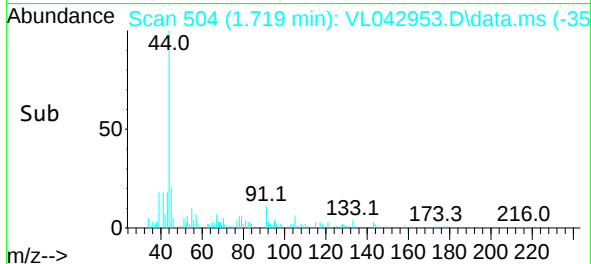
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



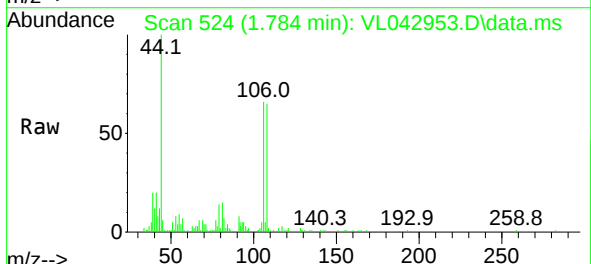
Tgt Ion: 45 Resp: 629
Ion Ratio Lower Upper
45 100
46 140.9 16.2 64.6

Manual Integrations
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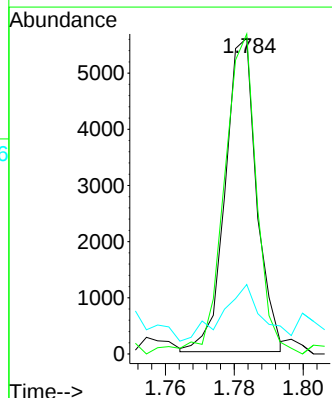
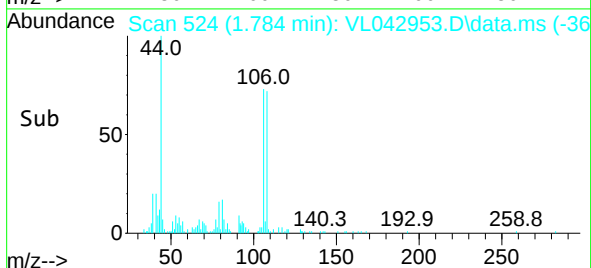
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

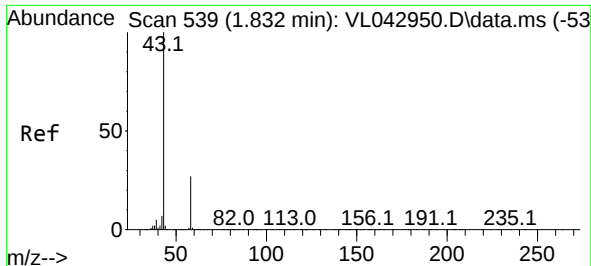


#14
Bromoethene
Concen: 0.541 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22



Tgt Ion:108 Resp: 3553
Ion Ratio Lower Upper
108 100
106 115.9 86.0 129.0
79 46.0 14.2 21.2





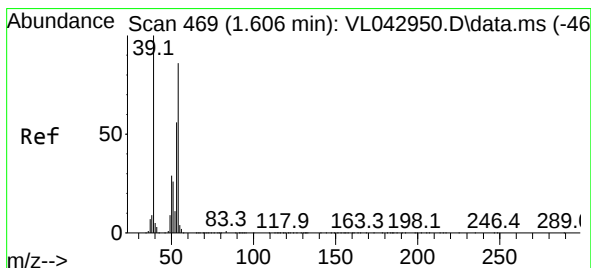
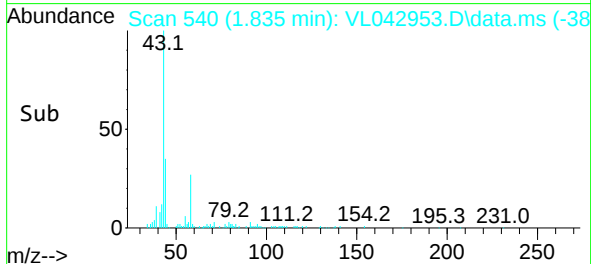
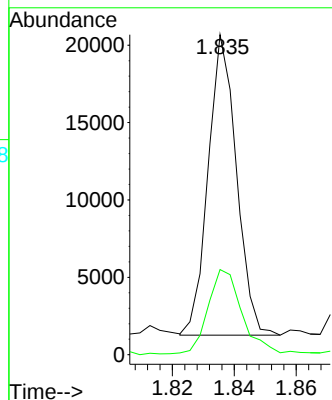
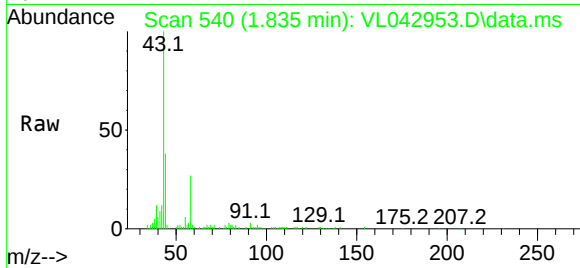
#15
Acetone
Concen: 0.572 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 12320
Ion Ratio Lower Upper
43 100
58 35.4 22.3 33.5

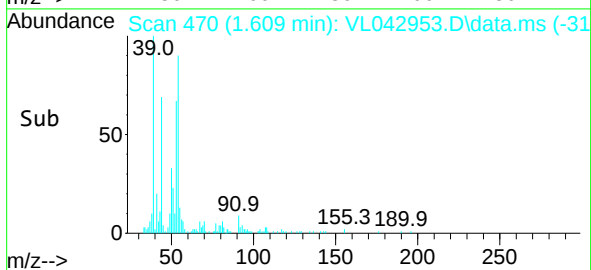
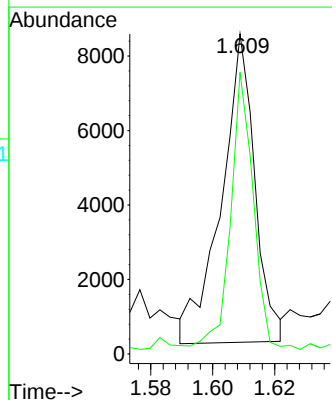
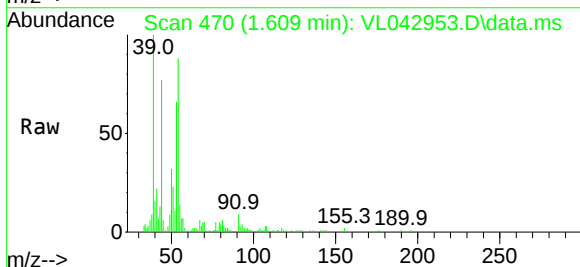
Manual Integrations
APPROVED

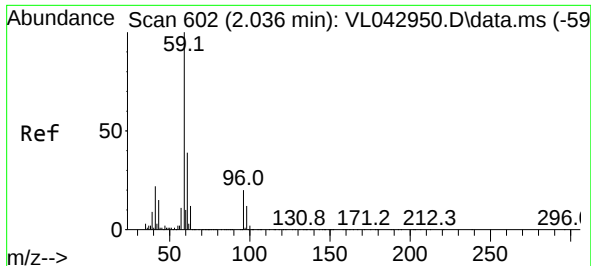
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#16
1,3-Butadiene
Concen: 0.611 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion: 39 Resp: 6215
Ion Ratio Lower Upper
39 100
54 60.7 60.8 91.2





#17

tert-Butyl alcohol

Concen: 0.555 ppbv

RT: 2.043 min Scan# 602

Delta R.T. 0.006 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 59 Resp: 13128

Ion Ratio Lower Upper

59 100

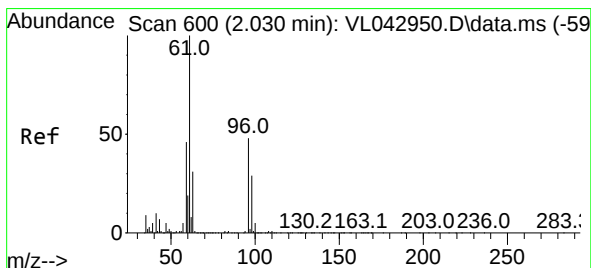
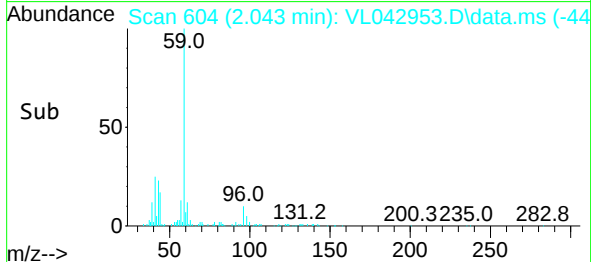
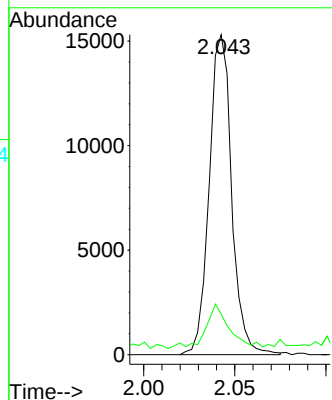
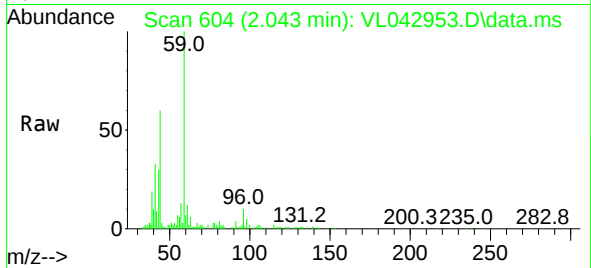
57 19.4 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#18

1,1-Dichloroethene

Concen: 0.565 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

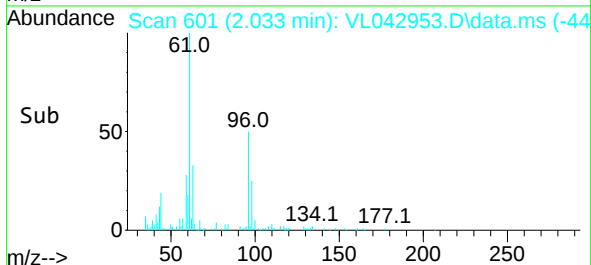
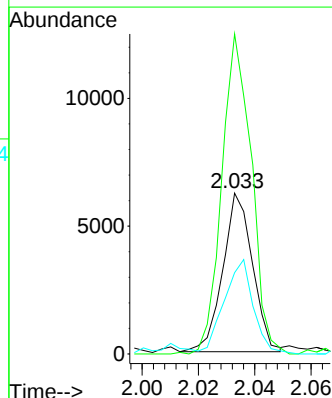
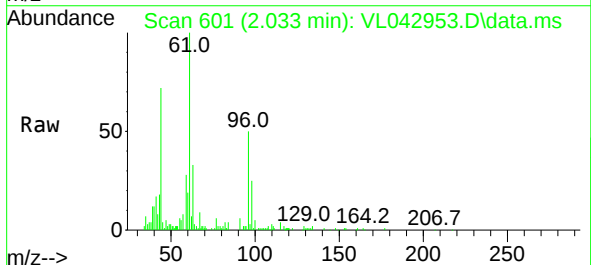
Tgt Ion: 96 Resp: 4543

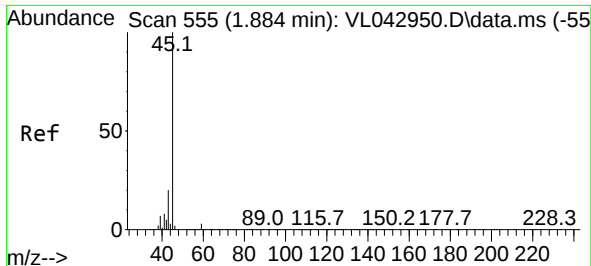
Ion Ratio Lower Upper

96 100

61 201.0 166.2 249.4

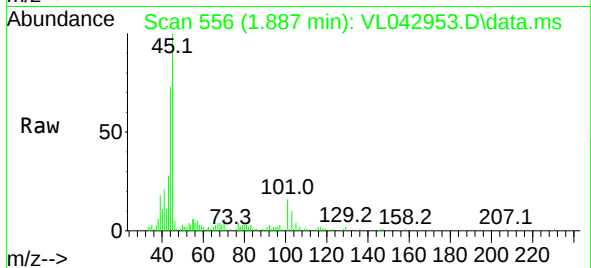
98 49.4 48.6 73.0





#19
Isopropyl Alcohol
Concen: 0.574 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

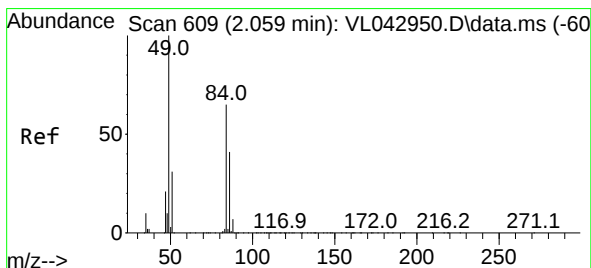
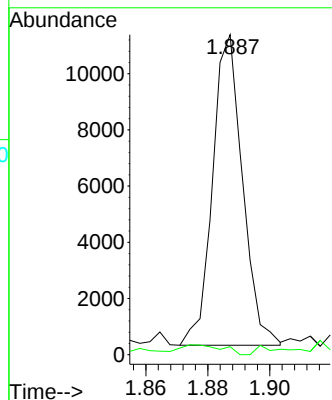
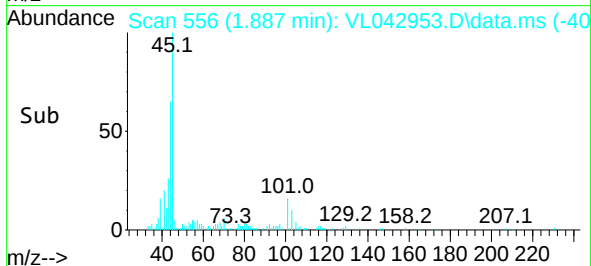
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5



Tgt Ion: 45 Resp: 743
Ion Ratio Lower Upper
45 100
58 6.1 31.0 46.6

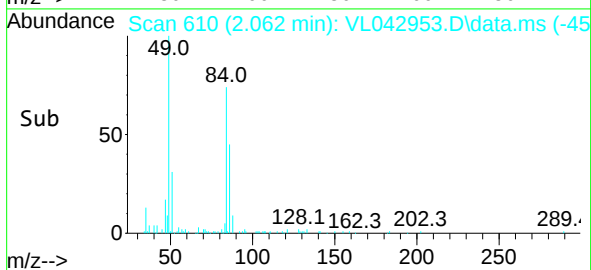
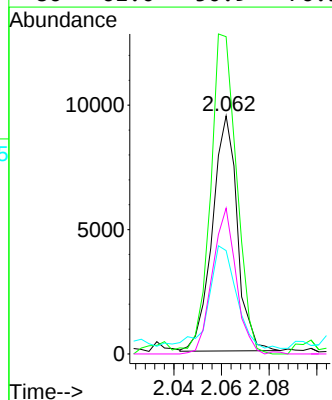
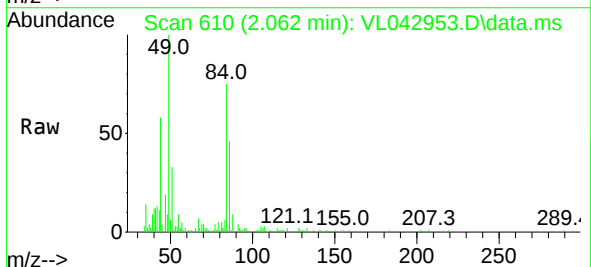
Manual Integrations
APPROVED

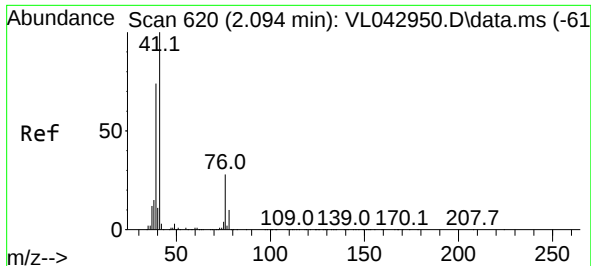
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#20
Methylene Chloride
Concen: 0.430 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

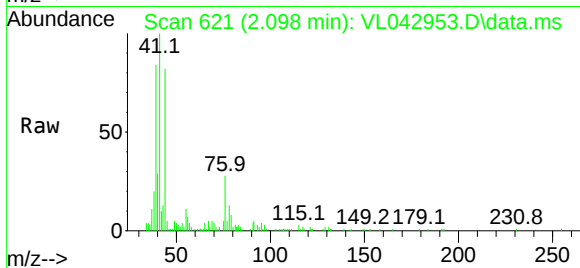
Tgt Ion: 84 Resp: 6881
Ion Ratio Lower Upper
84 100
49 132.8 124.1 186.1
51 40.9 39.8 59.8
86 61.0 50.9 76.3





#21
 Allyl Chloride
 Concen: 0.499 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

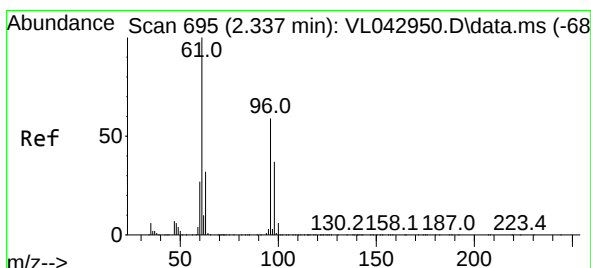
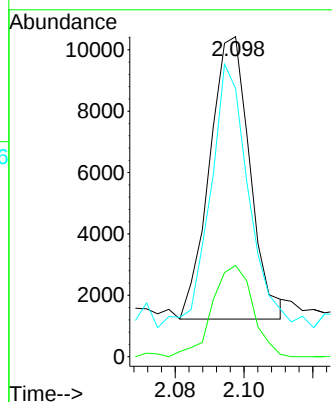
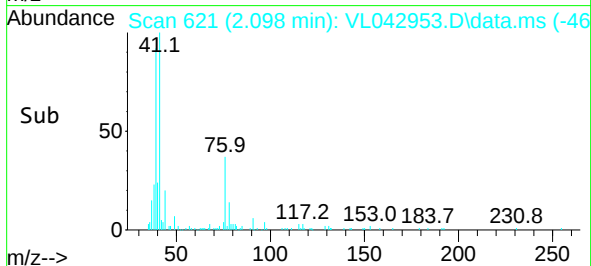
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



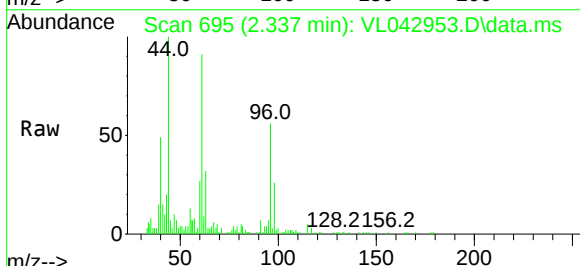
Tgt Ion: 41 Resp: 748
 Ion Ratio Lower Upper
 41 100
 76 33.1 22.3 33.5
 39 110.1 61.3 91.9

Manual Integrations
 APPROVED

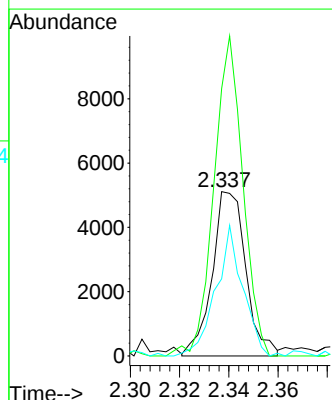
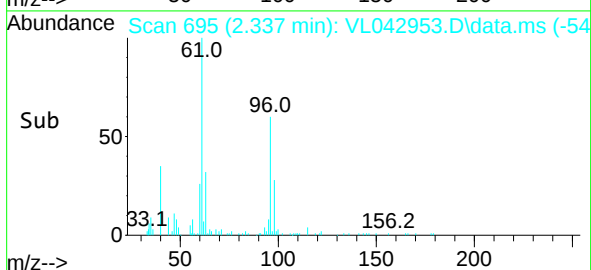
Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025

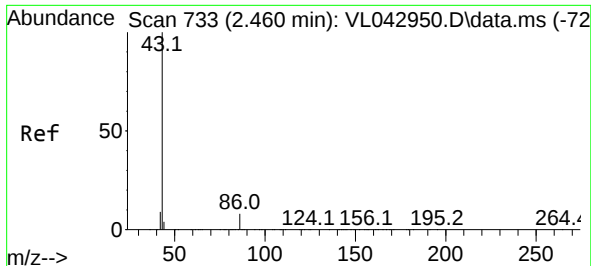


#22
 trans-1,2-Dichloroethene
 Concen: 0.533 ppbv m
 RT: 2.337 min Scan# 695
 Delta R.T. -0.000 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22



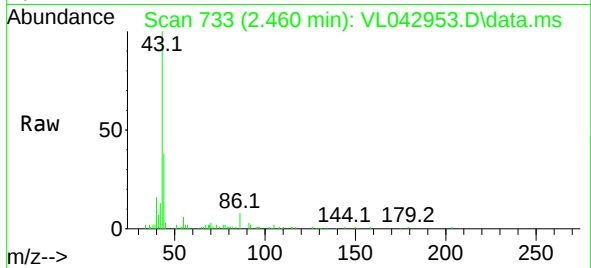
Tgt Ion: 96 Resp: 4869
 Ion Ratio Lower Upper
 96 100
 61 162.8 136.5 204.7
 98 46.9 50.6 76.0





#23
 Vinyl Acetate
 Concen: 0.593 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

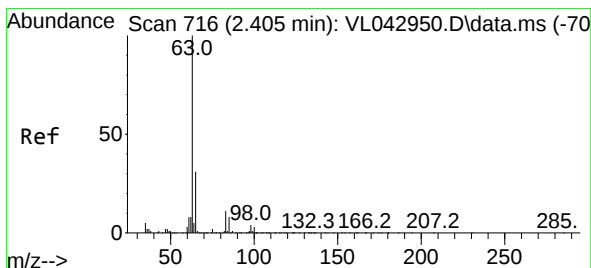
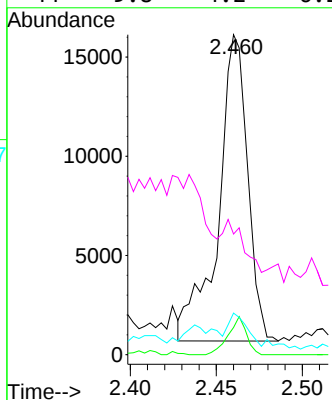
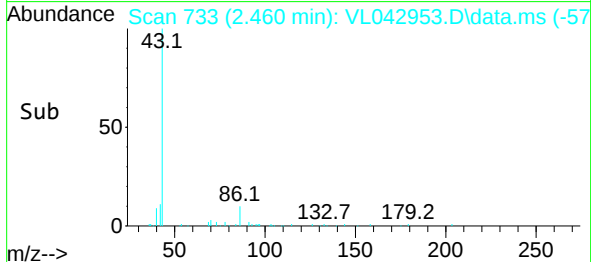
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:	43	Resp:	18264
Ion	Ratio	Lower	Upper
43	100		
86	8.9	6.2	9.2
42	10.1	7.4	11.0
44	9.8	4.2	6.2

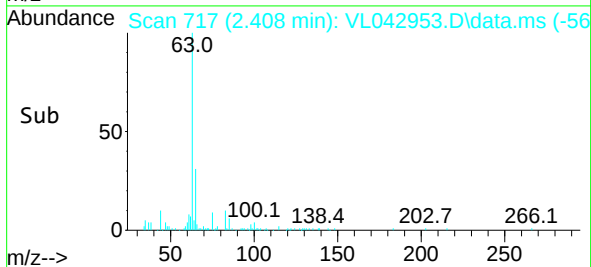
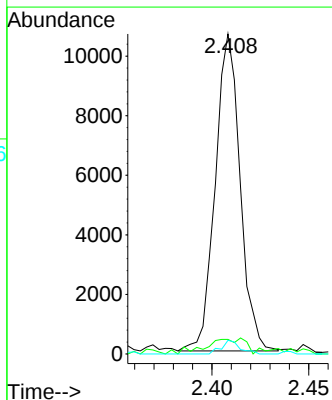
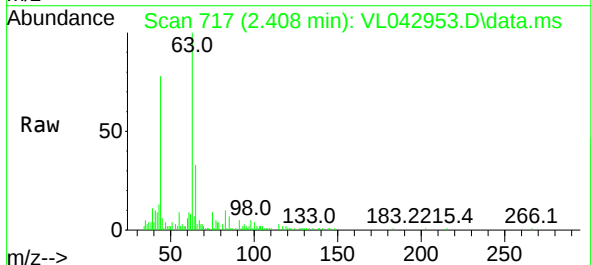
Manual Integrations
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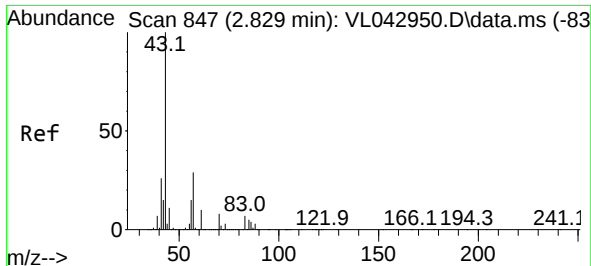
Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025



#24
 1,1-Dichloroethane
 Concen: 0.529 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

Tgt Ion:	63	Resp:	9484
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.2	6.6
100	4.3	1.4	4.0





#25

Ethyl Acetate

Concen: 0.517 ppbv

RT: 2.836 min Scan# 84

Delta R.T. 0.006 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

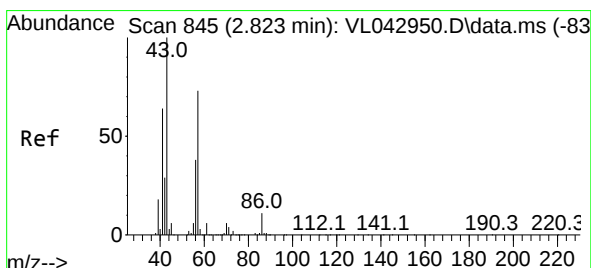
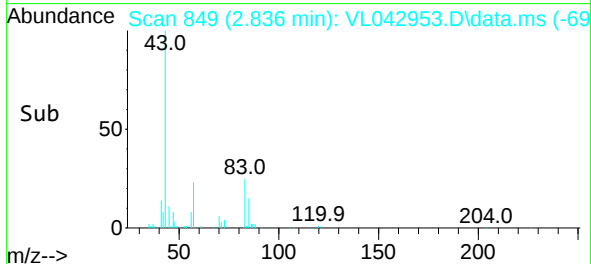
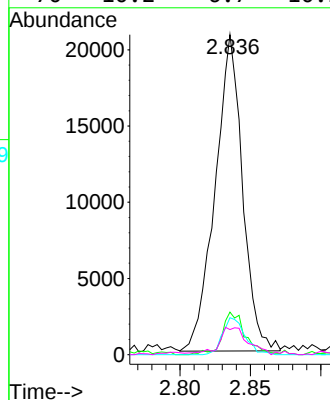
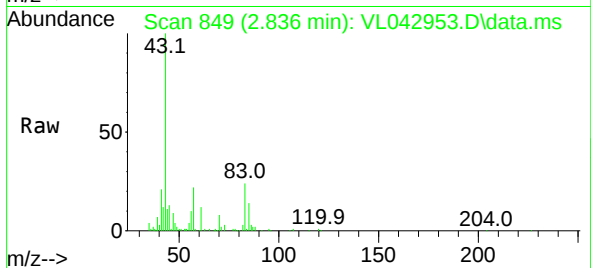
VSTDIC0.5

Tgt Ion: 43	Resp: 2816
Ion Ratio	Lower Upper
43 100	
45 12.3	7.7 11.5
61 9.5	7.1 10.7
70 10.2	6.7 10.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#26

Hexane

Concen: 0.540 ppbv

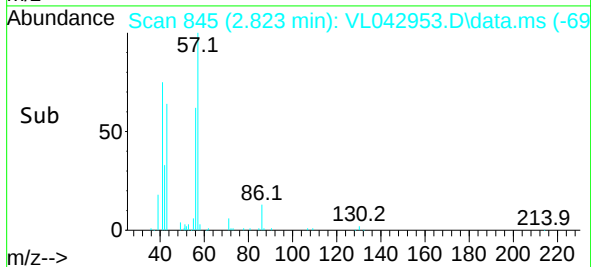
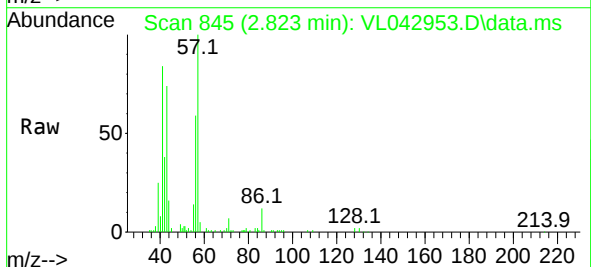
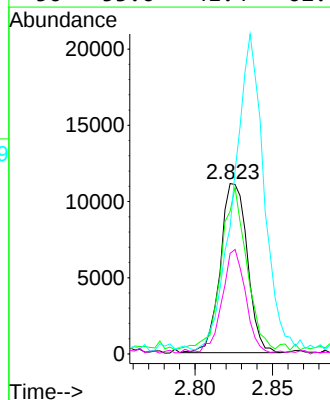
RT: 2.823 min Scan# 845

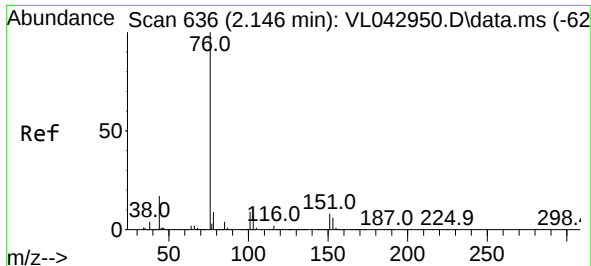
Delta R.T. -0.000 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Tgt Ion: 57	Resp: 13406
Ion Ratio	Lower Upper
57 100	
41 92.4	71.7 107.5
43 224.5	180.8 271.2
56 53.6	41.4 62.0





#27

Carbon Disulfide

Concen: 0.518 ppbv

RT: 2.149 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042953.D

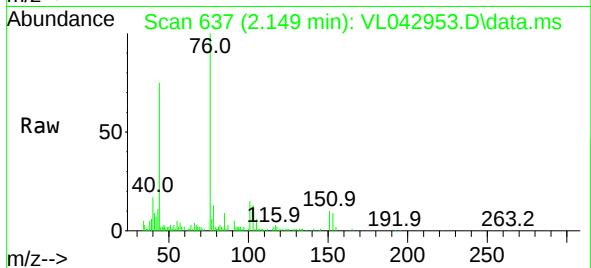
Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

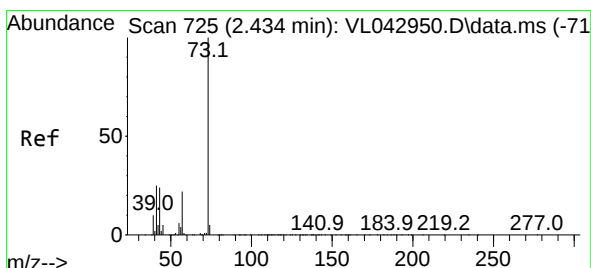
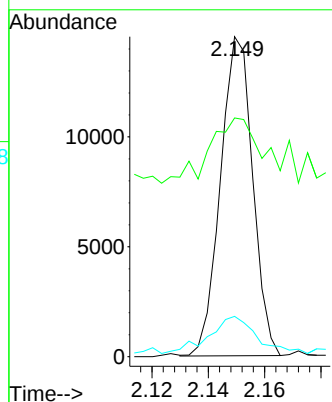
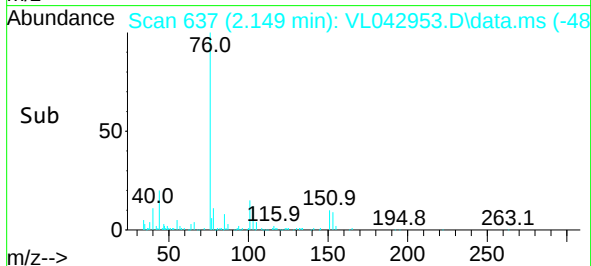


Tgt Ion: 76	Resp: 1153
Ion Ratio	Lower Upper
76	100
44	134.4 15.6 23.4
78	20.6 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#28

Methyl tert-Butyl Ether

Concen: 0.611 ppbv

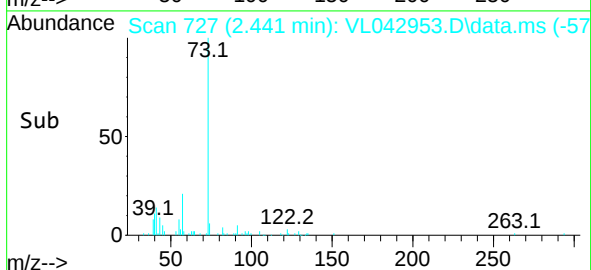
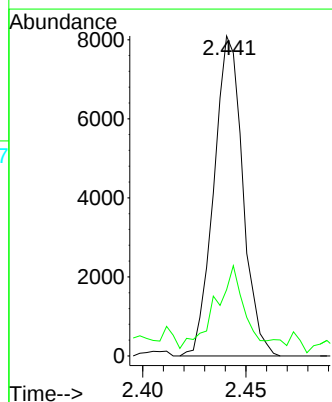
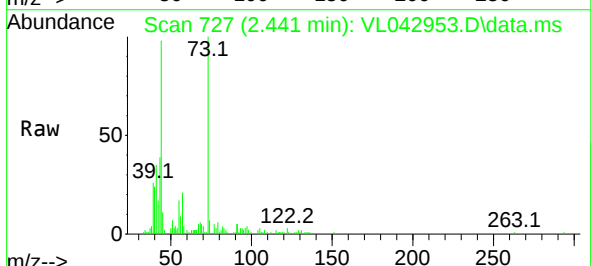
RT: 2.441 min Scan# 727

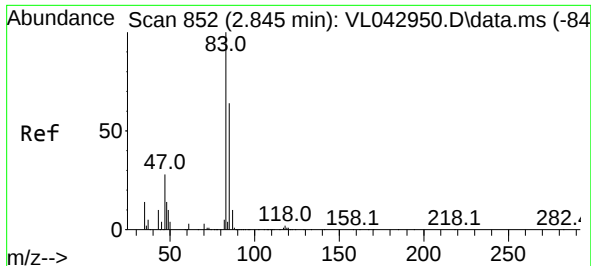
Delta R.T. 0.006 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Tgt Ion: 73	Resp: 7886
Ion Ratio	Lower Upper
73	100
57	43.4 20.6 31.0





#29

Chloroform

Concen: 0.530 ppbv

RT: 2.845 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 1718

Ion Ratio Lower Upper

83 100

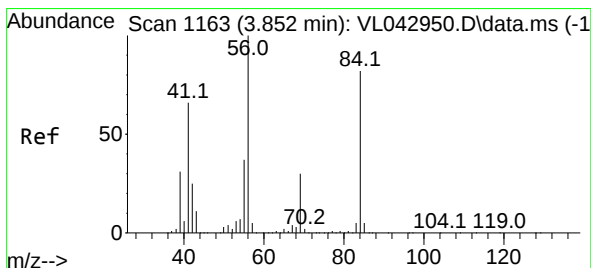
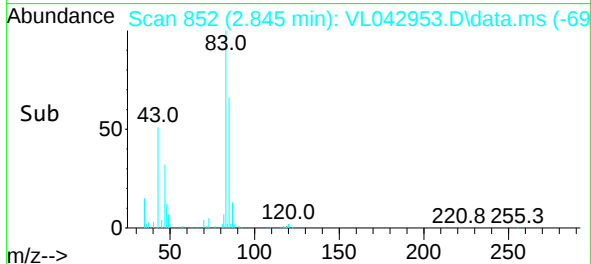
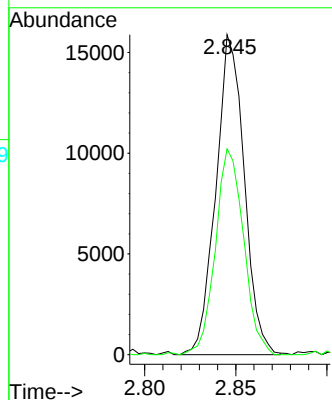
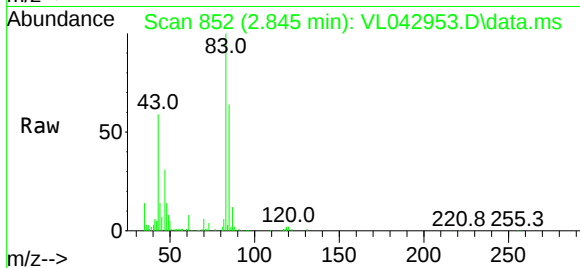
85 64.3 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#30

Cyclohexane

Concen: 0.523 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

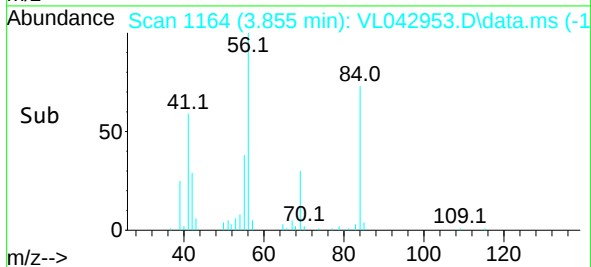
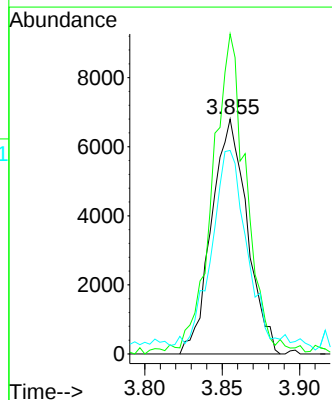
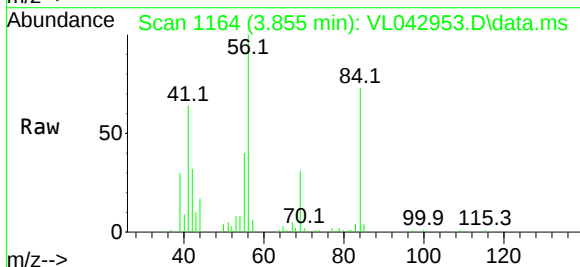
Tgt Ion: 84 Resp: 10856

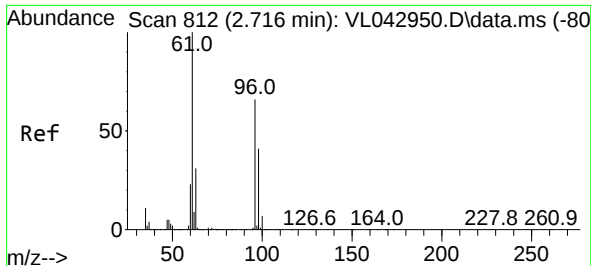
Ion Ratio Lower Upper

84 100

56 132.1 102.2 153.4

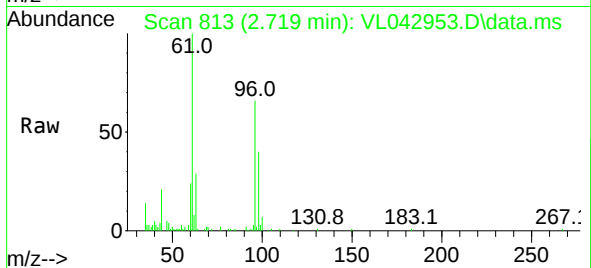
41 92.2 65.6 98.4





#31
 cis-1,2-Dichloroethene
 Concen: 0.513 ppbv
 RT: 2.719 min Scan# 812
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

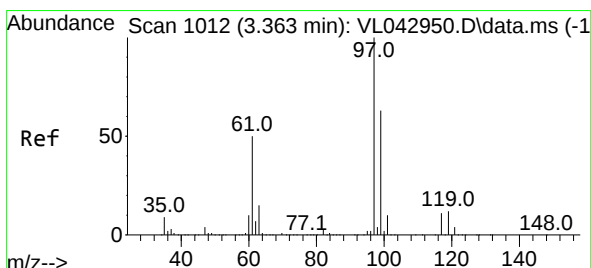
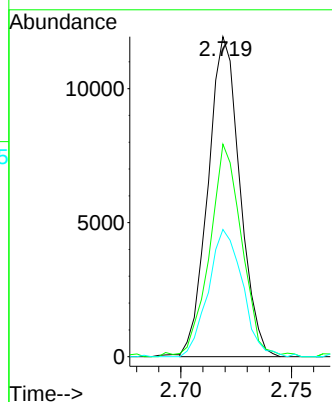
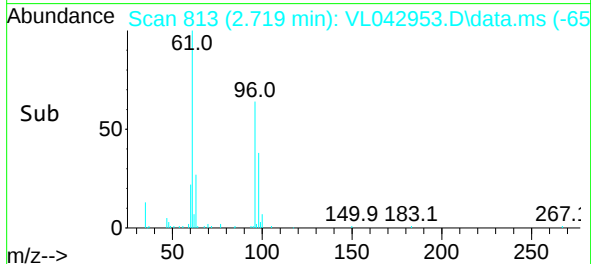
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



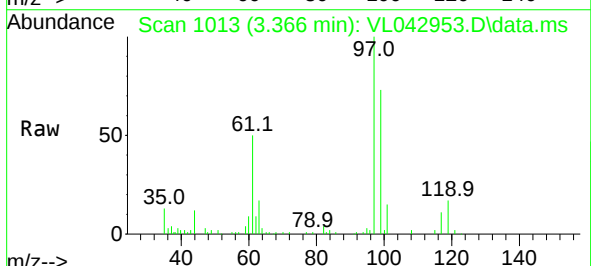
Tgt Ion: 61 Resp: 11939
 Ion Ratio Lower Upper
 61 100
 96 65.7 53.0 79.6
 98 39.7 32.9 49.3

Manual Integrations
 APPROVED

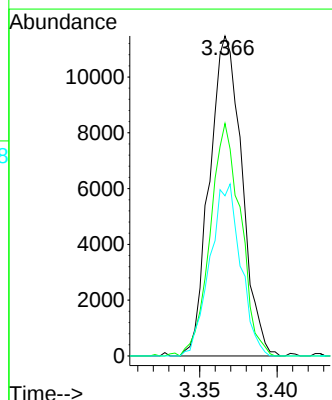
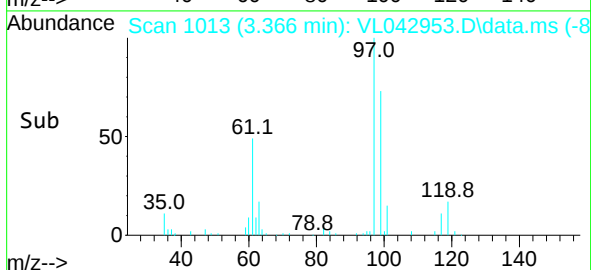
Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025

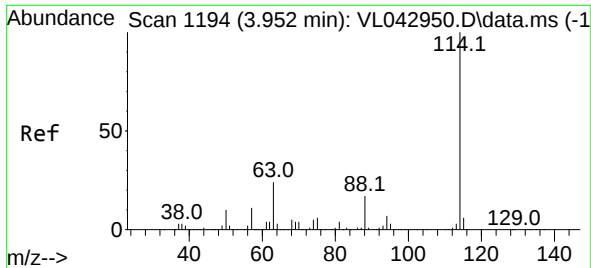


#32
 1,1,1-Trichloroethane
 Concen: 0.474 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22



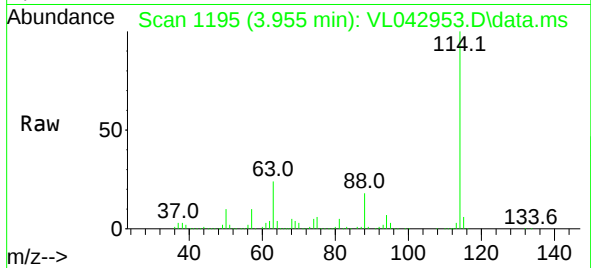
Tgt Ion: 97 Resp: 16684
 Ion Ratio Lower Upper
 97 100
 99 68.4 51.1 76.7
 61 51.1 39.8 59.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

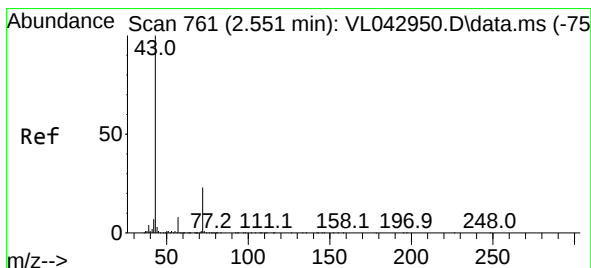
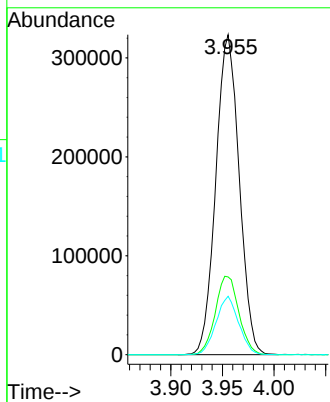
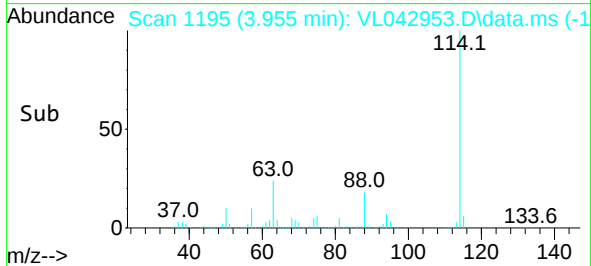
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion:114 Resp: 509300
Ion Ratio Lower Upper
114 100
63 24.8 19.4 29.2
88 17.7 14.2 21.2

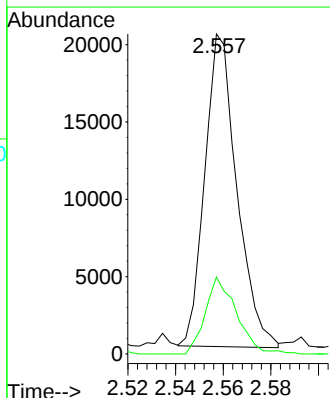
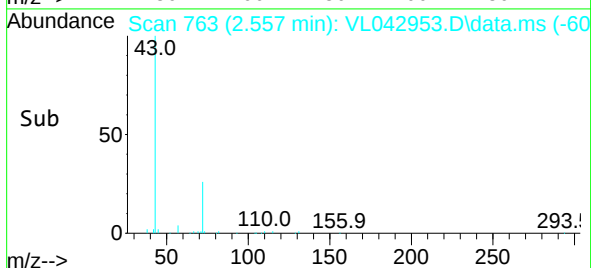
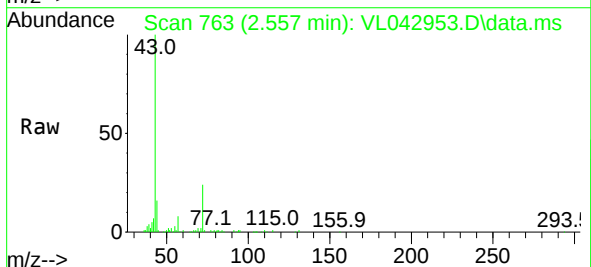
Manual Integrations
APPROVED

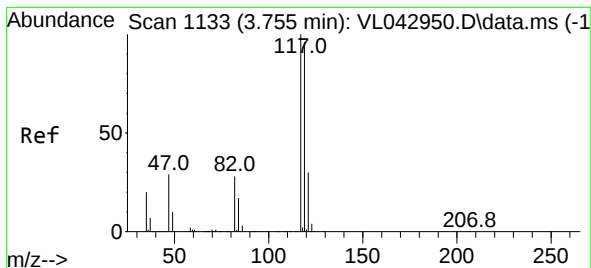
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#34
2-Butanone
Concen: 0.531 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.006 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion: 43 Resp: 18948
Ion Ratio Lower Upper
43 100
72 23.9 17.7 26.5





#35

Carbon Tetrachloride

Concen: 0.513 ppbv

RT: 3.761 min Scan# 1135

Delta R.T. 0.006 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

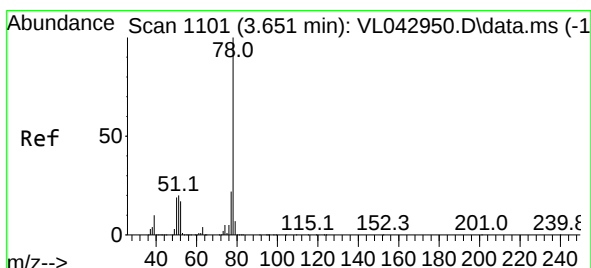
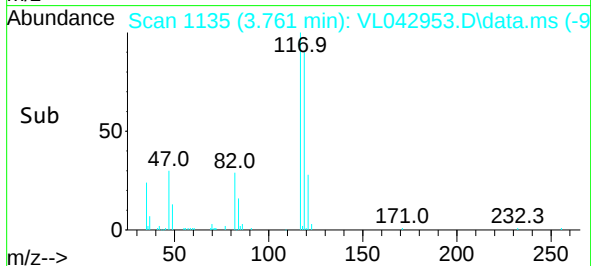
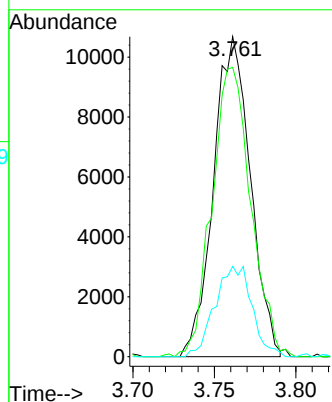
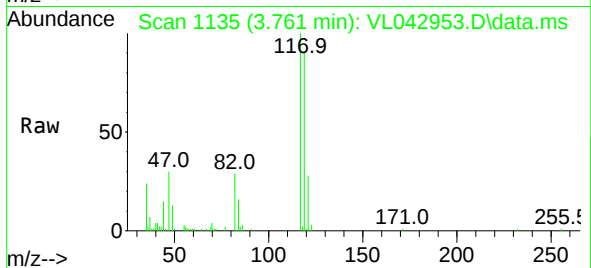
VSTDIC0.5

Tgt Ion:	117	Resp:	1679
Ion	Ratio	Lower	Upper
117	100		
119	88.9	76.9	115.3
121	28.2	23.7	35.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#36

Benzene

Concen: 0.519 ppbv

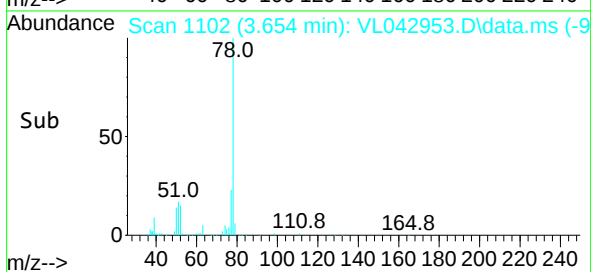
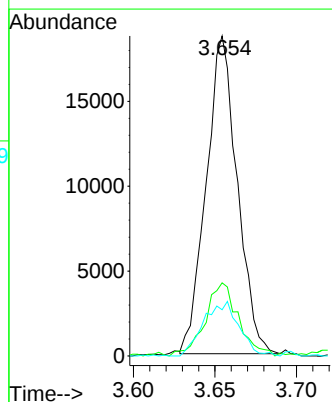
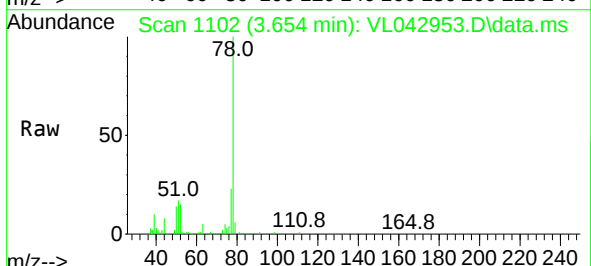
RT: 3.654 min Scan# 1102

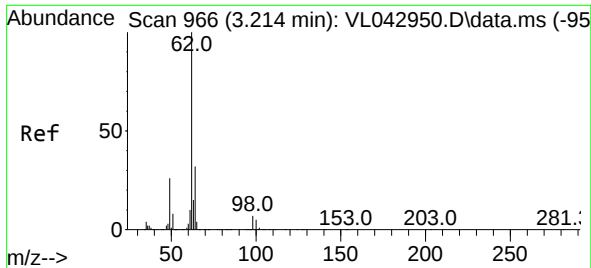
Delta R.T. 0.003 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

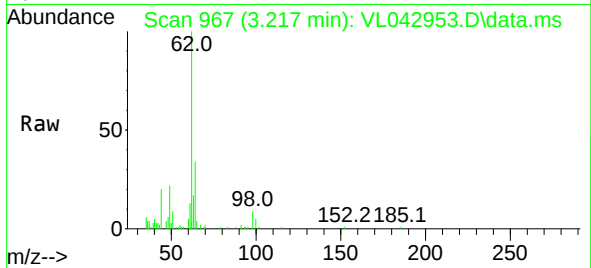
Tgt Ion:	78	Resp:	24807
Ion	Ratio	Lower	Upper
78	100		
77	21.4	17.8	26.6
50	14.5	15.0	22.4





#37
1,2-Dichloroethane
Concen: 0.508 ppbv
RT: 3.217 min Scan# 90
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

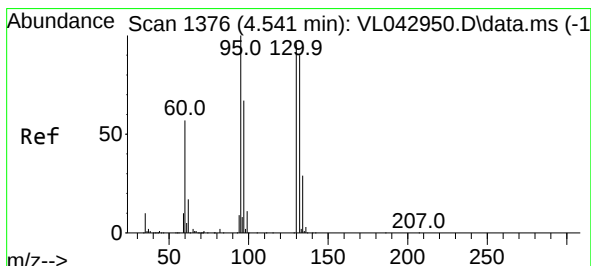
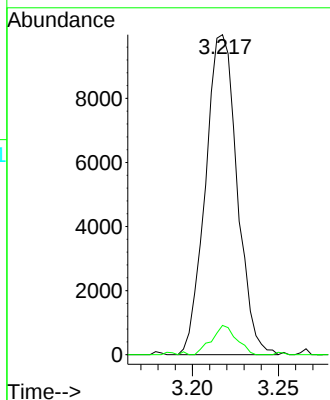
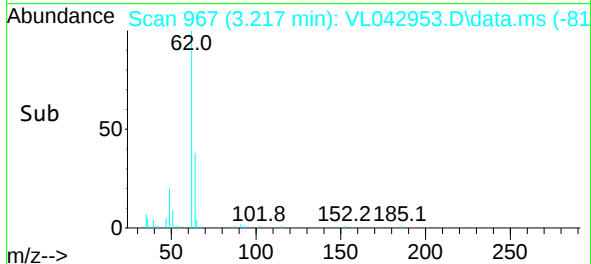
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



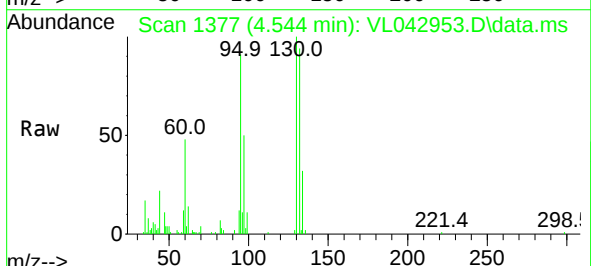
Tgt Ion: 62 Resp: 12788
Ion Ratio Lower Upper
62 100
98 7.4 5.9 8.9

Manual Integrations
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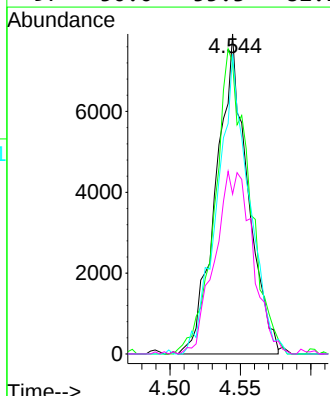
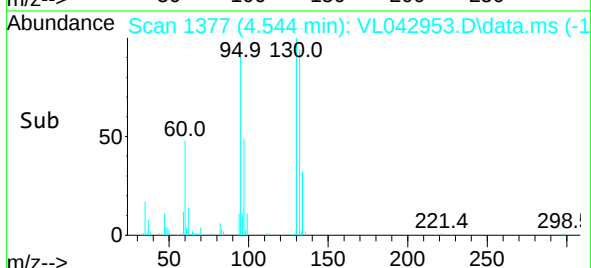
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

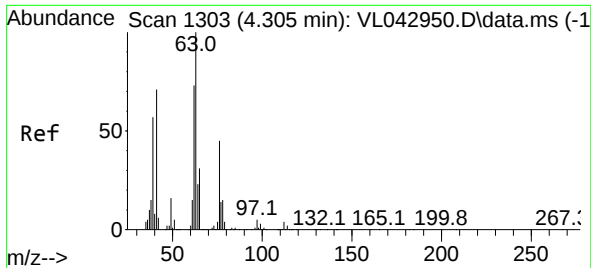


#38
Trichloroethene
Concen: 0.515 ppbv
RT: 4.544 min Scan# 1377
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22



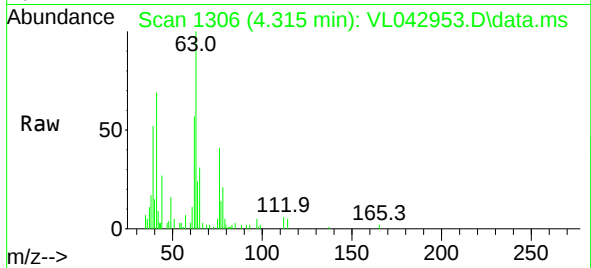
Tgt Ion:130 Resp: 12243
Ion Ratio Lower Upper
130 100
95 89.6 83.0 124.4
132 93.6 74.6 112.0
97 50.0 55.3 82.9#





#39
1,2-Dichloropropane
Concen: 0.502 ppbv
RT: 4.315 min Scan# 1306
Delta R.T. 0.010 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

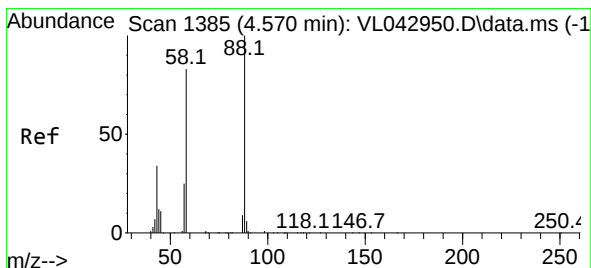
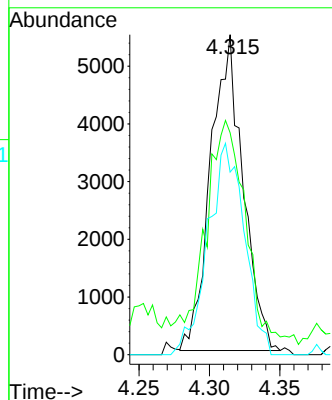
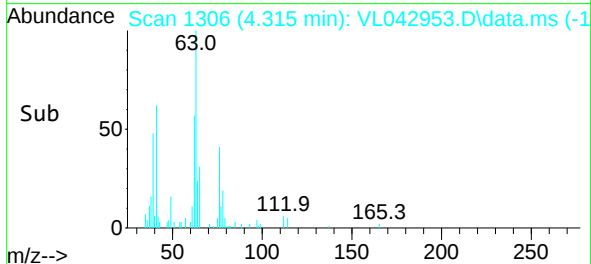
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



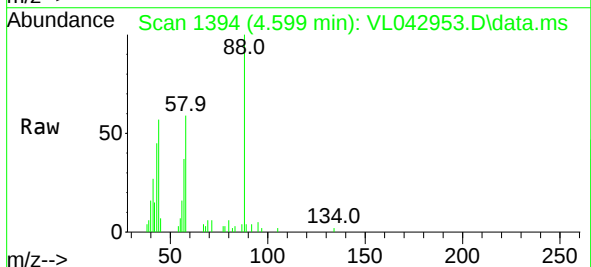
Tgt Ion: 63 Resp: 8772
Ion Ratio Lower Upper
63 100
41 64.7 57.5 86.3
62 56.5 58.5 87.7

Manual Integrations
APPROVED

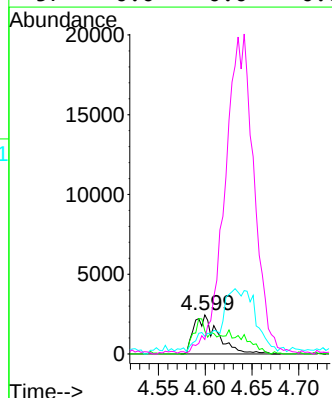
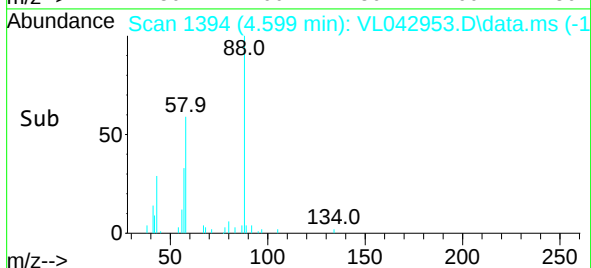
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

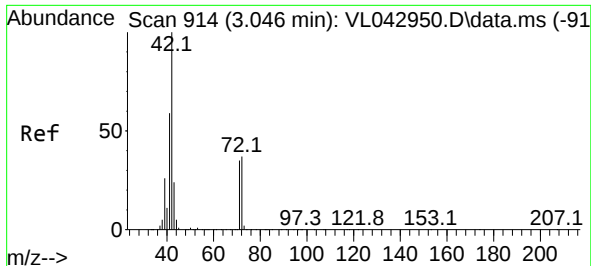


#40
1,4-Dioxane
Concen: 0.543 ppbv m
RT: 4.599 min Scan# 1394
Delta R.T. 0.029 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22



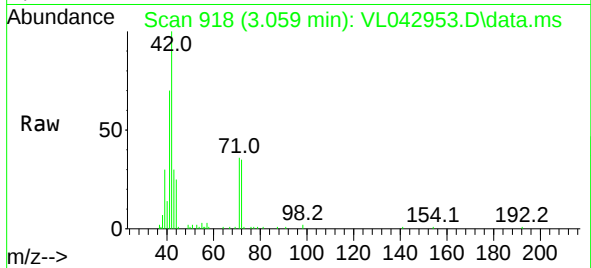
Tgt Ion: 88 Resp: 4405
Ion Ratio Lower Upper
88 100
58 123.7 59.7 89.5#
43 0.0 28.9 43.3#
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 0.530 ppbv
RT: 3.059 min Scan# 914
Delta R.T. 0.013 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

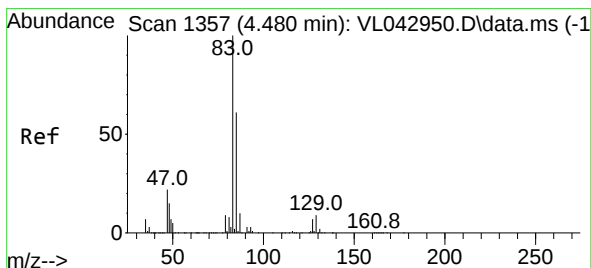
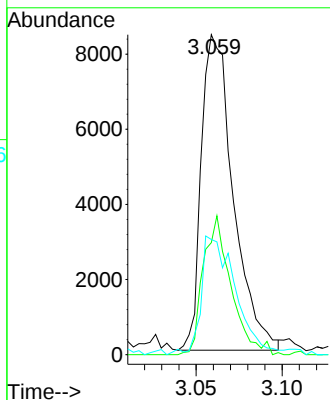
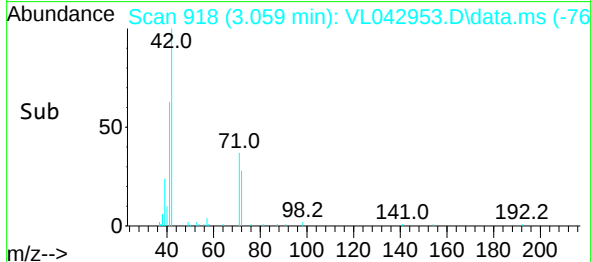
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



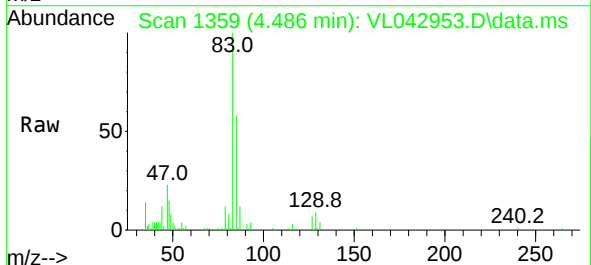
Tgt Ion: 42 Resp: 1087
Ion Ratio Lower Upper
42 100
72 38.4 30.0 45.0
71 41.6 28.8 43.2

Manual Integrations
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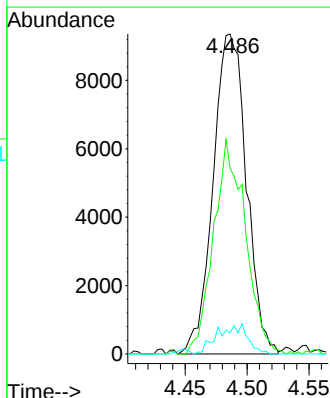
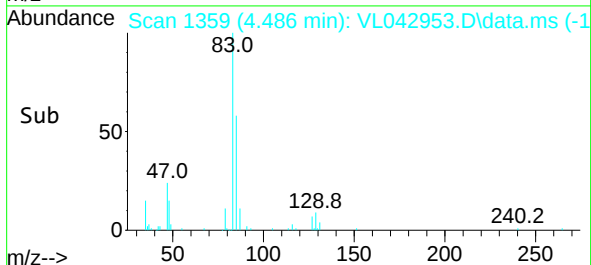
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

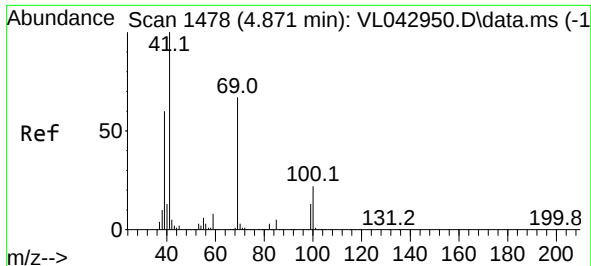


#42
Bromodichloromethane
Concen: 0.501 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22



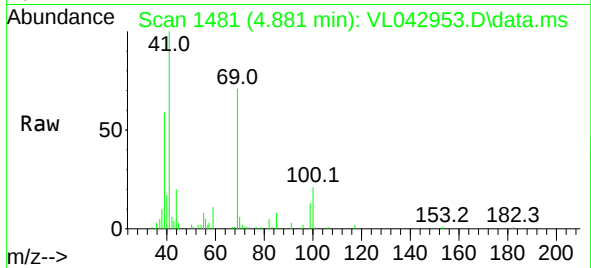
Tgt Ion: 83 Resp: 17552
Ion Ratio Lower Upper
83 100
85 58.1 49.0 73.6
127 6.6 5.3 7.9





#43
Methyl Methacrylate
Concen: 0.532 ppbv m
RT: 4.881 min Scan# 1478
Delta R.T. 0.010 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

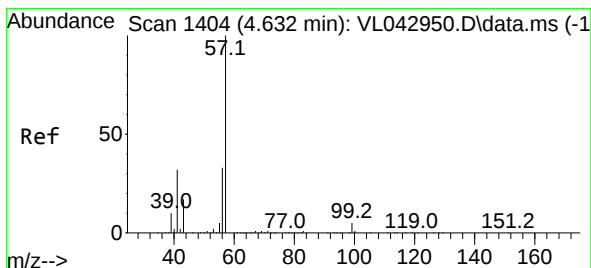
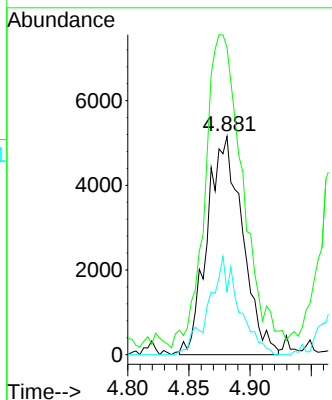
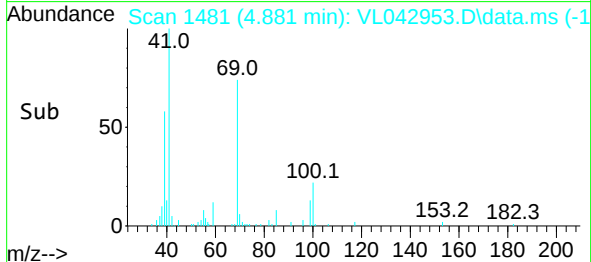
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



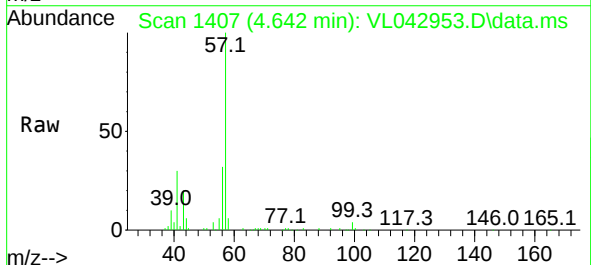
Tgt Ion: 69 Resp: 10330
Ion Ratio Lower Upper
69 100
41 151.9 124.5 186.7
100 38.3 29.0 43.6

Manual Integrations
APPROVED

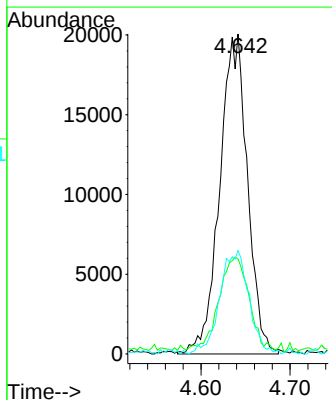
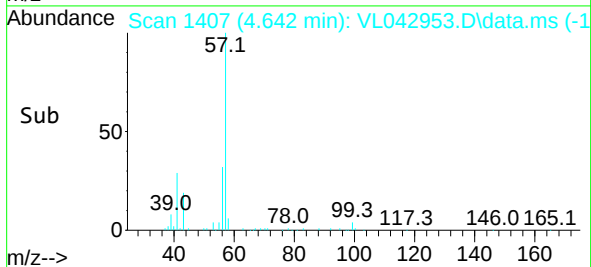
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

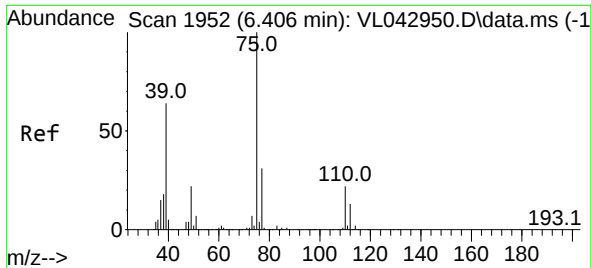


#44
2,2,4-Trimethylpentane
Concen: 0.525 ppbv m
RT: 4.642 min Scan# 1407
Delta R.T. 0.010 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22



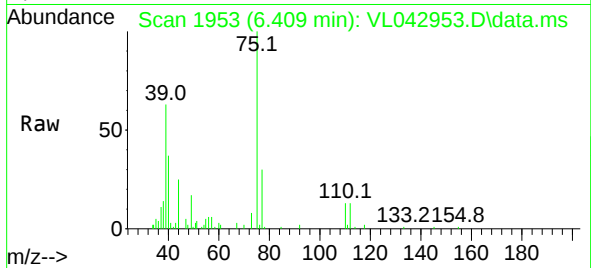
Tgt Ion: 57 Resp: 43414
Ion Ratio Lower Upper
57 100
41 31.9 25.5 38.3
56 33.8 25.8 38.8





#45
 t-1,3-Dichloropropene
 Concen: 0.492 ppbv m
 RT: 6.409 min Scan# 1952
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

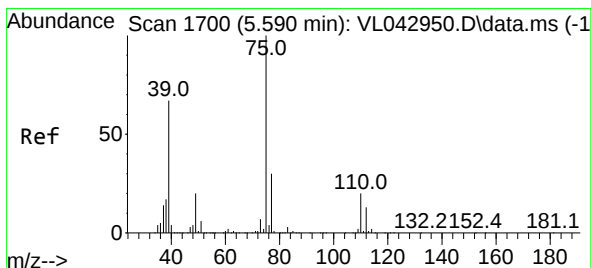
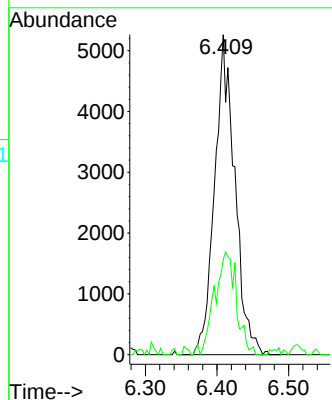
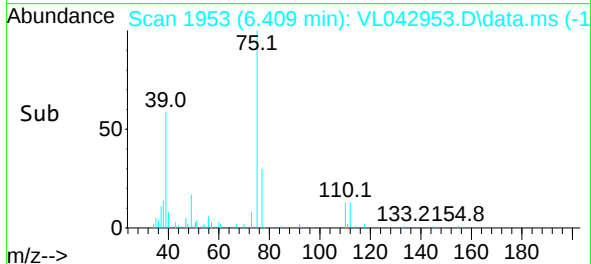
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 75 Resp: 1026
 Ion Ratio Lower Upper
 75 100
 77 29.7 25.0 37.4

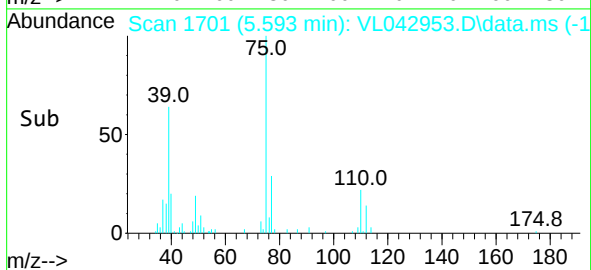
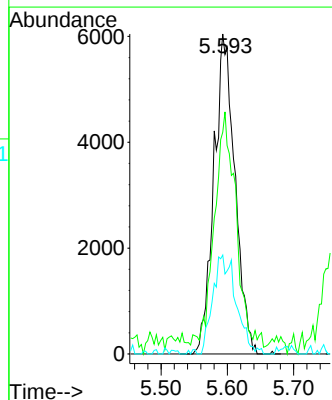
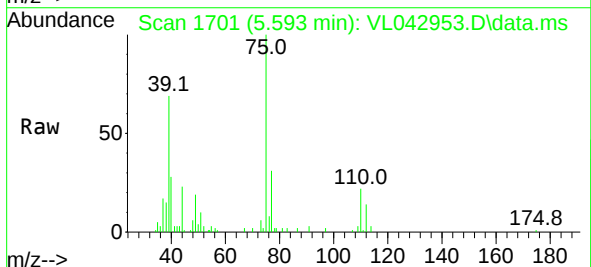
Manual Integrations
 APPROVED

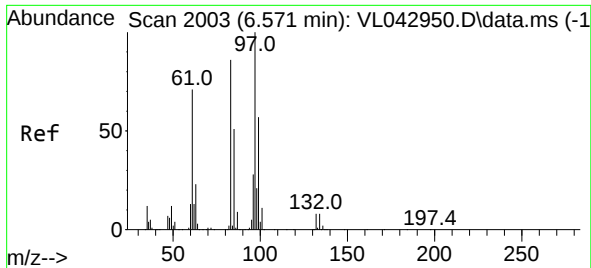
Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025



#46
 cis-1,3-Dichloropropene
 Concen: 0.500 ppbv m
 RT: 5.593 min Scan# 1701
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

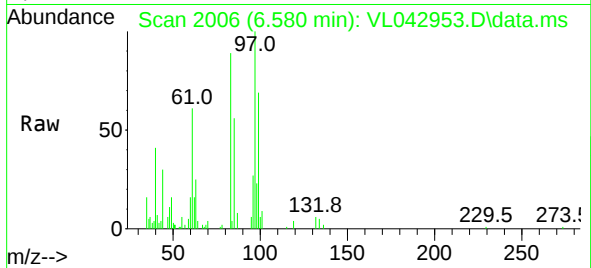
Tgt Ion: 75 Resp: 13304
 Ion Ratio Lower Upper
 75 100
 39 69.3 53.8 80.6
 77 30.9 23.6 35.4





#47
1,1,2-Trichloroethane
Concen: 0.527 ppbv m
RT: 6.580 min Scan# 2003
Delta R.T. 0.010 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

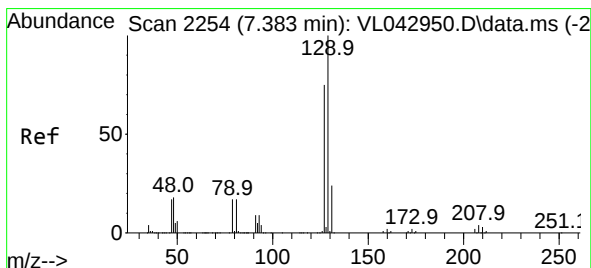
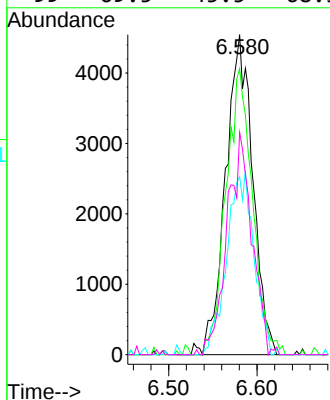
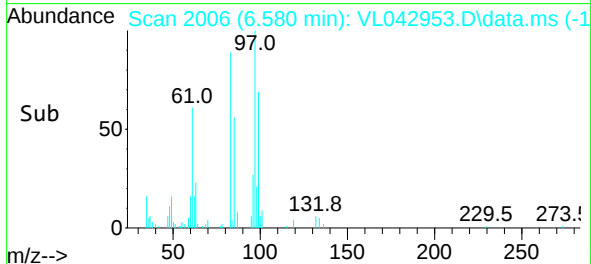
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 97 Resp: 9725
Ion Ratio Lower Upper
97 100
83 89.4 68.7 103.1
85 55.6 40.6 60.8
99 69.5 45.5 68.3#

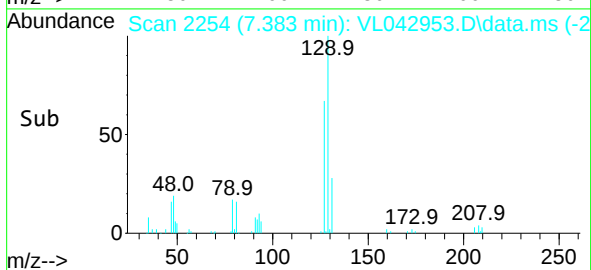
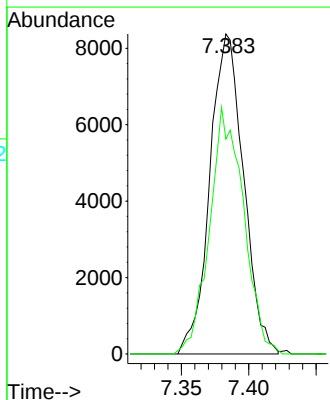
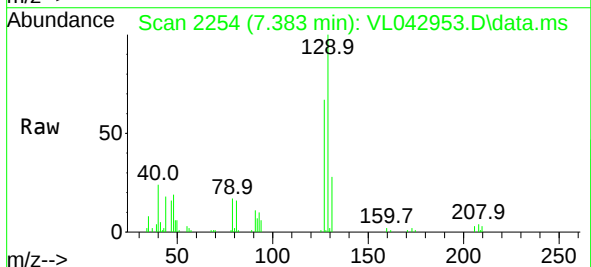
Manual Integrations
APPROVED

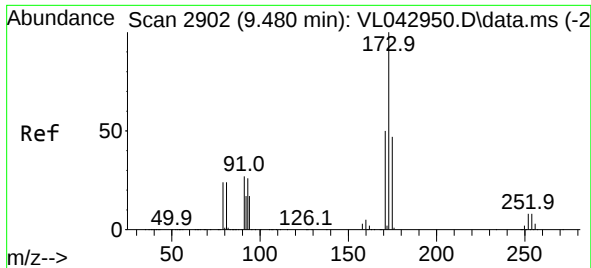
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#48
Dibromochloromethane
Concen: 0.493 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. -0.000 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

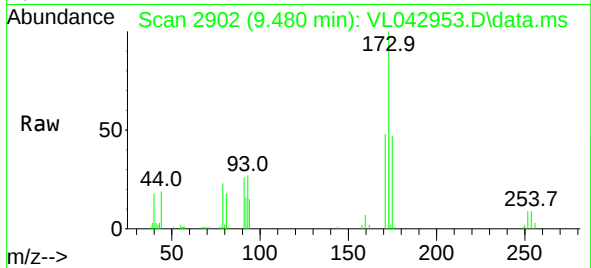
Tgt Ion:129 Resp: 14563
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.2





#49
Bromoform
Concen: 0.473 ppbv
RT: 9.480 min Scan# 2902
Delta R.T. -0.000 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

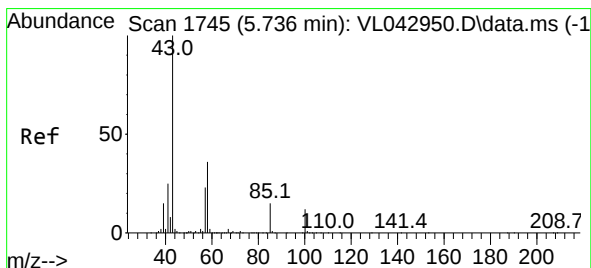
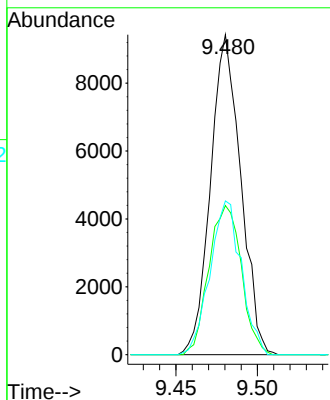
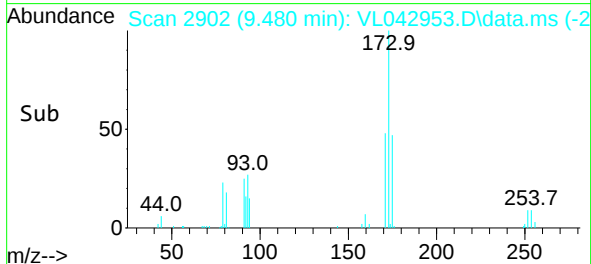
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



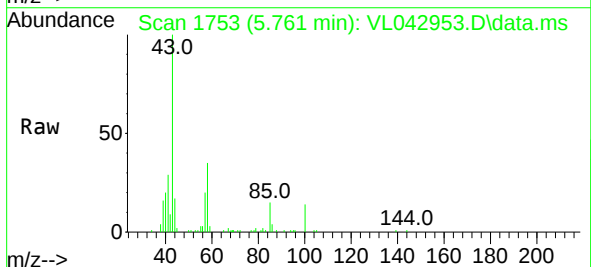
Tgt Ion: 173 Resp: 12130
Ion Ratio Lower Upper
173 100
175 50.2 37.9 56.9
171 49.8 41.1 61.7

Manual Integrations
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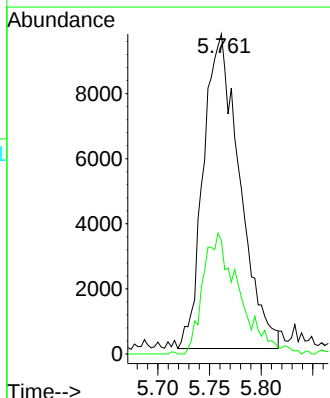
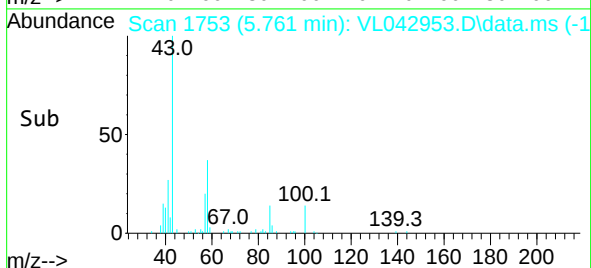
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

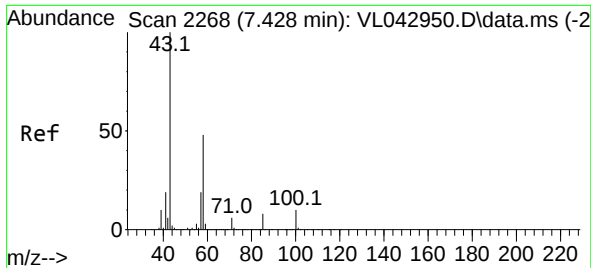


#50
4-Methyl-2-Pentanone
Concen: 0.493 ppbv
RT: 5.761 min Scan# 1753
Delta R.T. 0.026 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22



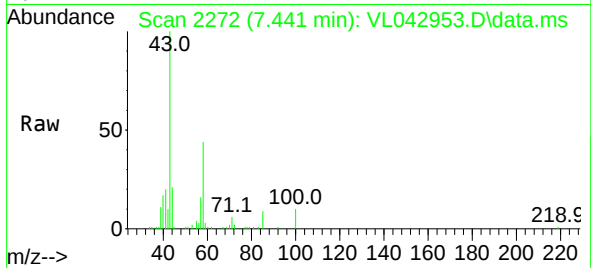
Tgt Ion: 43 Resp: 23639
Ion Ratio Lower Upper
43 100
58 38.5 28.4 42.6





#51
2-Hexanone
Concen: 0.480 ppbv
RT: 7.441 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

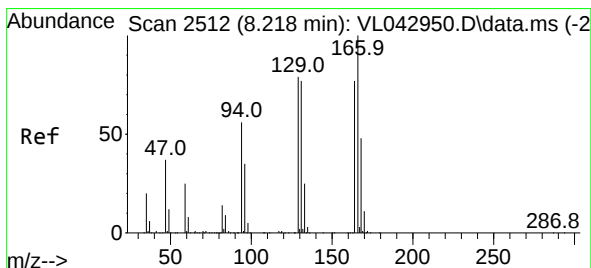
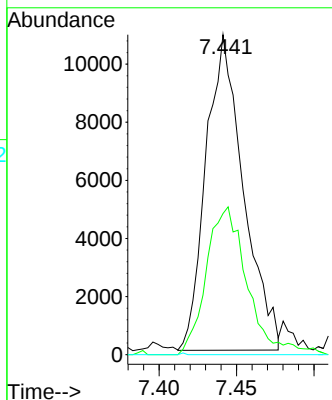
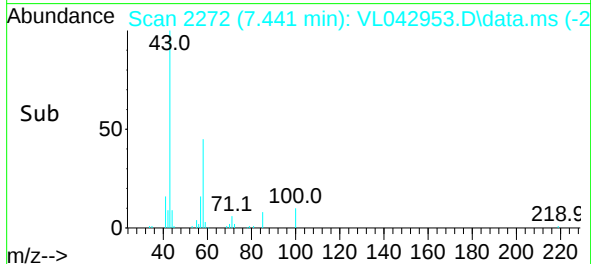
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 43 Resp: 1832
Ion Ratio Lower Upper
43 100
58 51.8 39.7 59.5
98 0.2 0.1 0.1

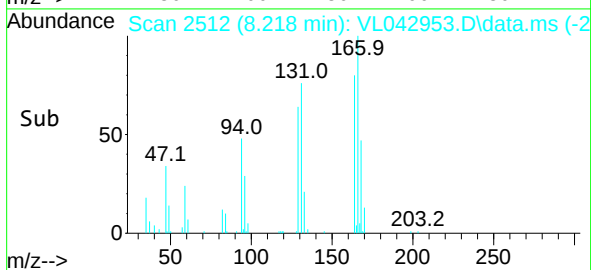
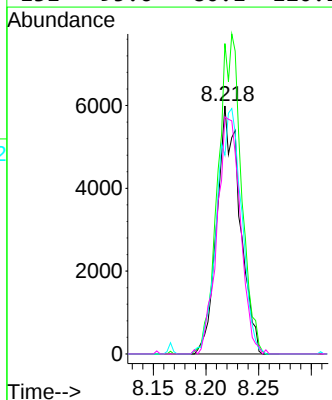
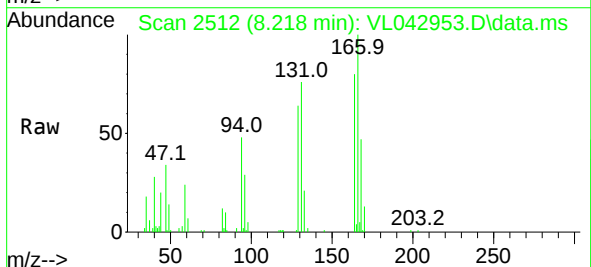
Manual Integrations
APPROVED

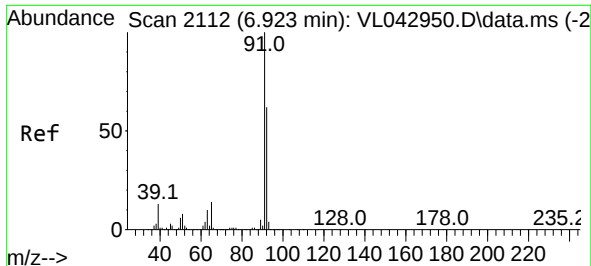
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#52
Tetrachloroethene
Concen: 0.490 ppbv m
RT: 8.218 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

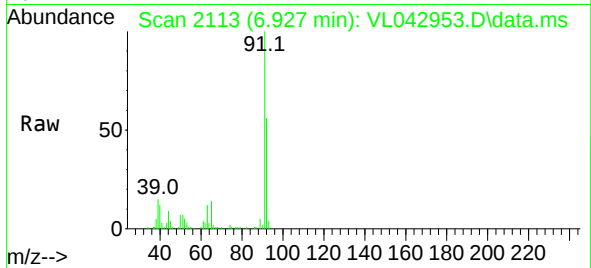
Tgt Ion:164 Resp: 9073
Ion Ratio Lower Upper
164 100
166 125.1 103.5 155.3
129 80.1 82.2 123.4#
131 95.6 80.1 120.1





#53
Toluene
Concen: 0.519 ppbv
RT: 6.927 min Scan# 2112
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

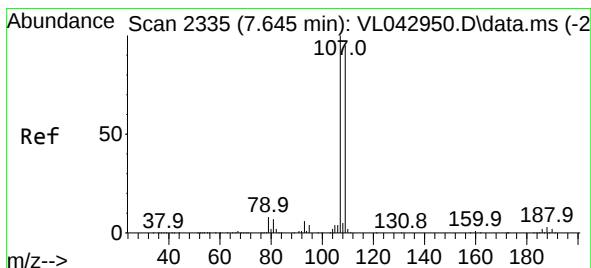
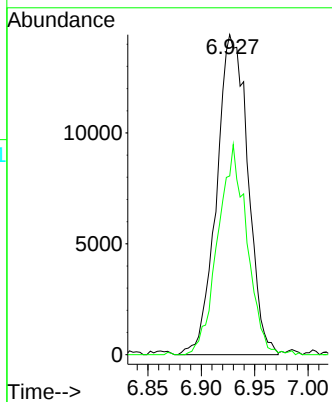
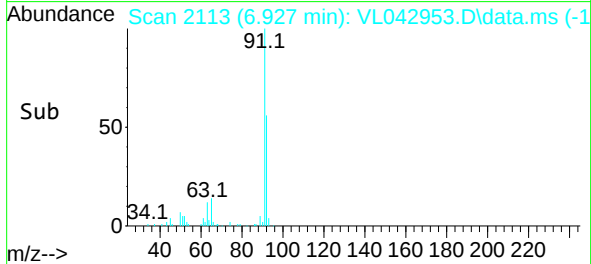
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



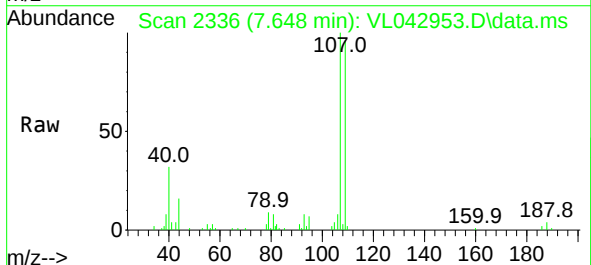
Tgt Ion: 91 Resp: 29404
Ion Ratio Lower Upper
91 100
92 61.1 48.2 72.2

Manual Integrations
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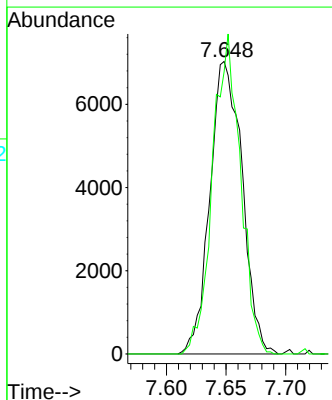
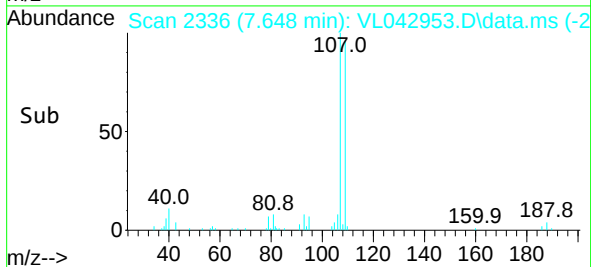
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

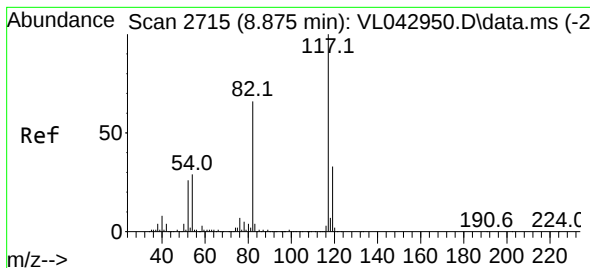


#54
1,2-Dibromoethane
Concen: 0.510 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22



Tgt Ion:107 Resp: 13233
Ion Ratio Lower Upper
107 100
109 96.5 75.8 113.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.878 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

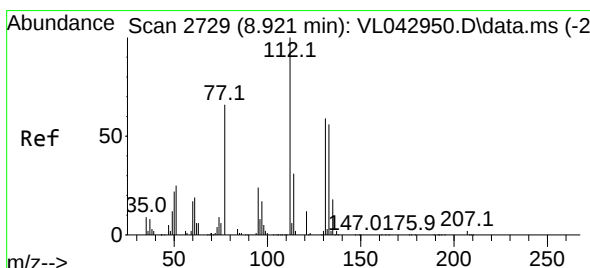
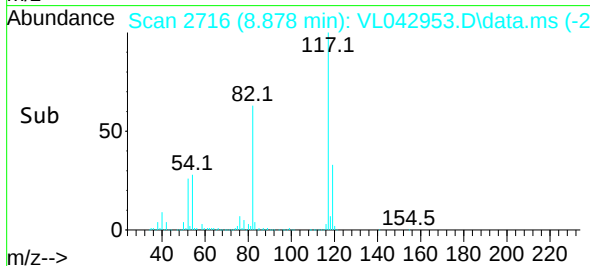
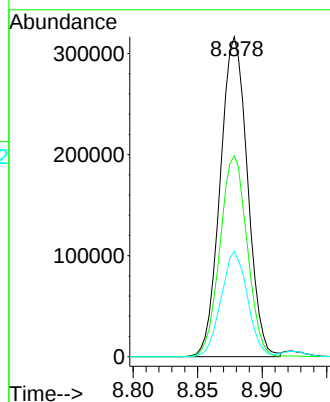
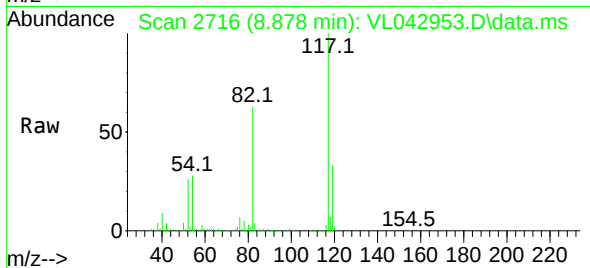
Tgt Ion:117 Resp: 46409

Ion	Ratio	Lower	Upper
117	100		
82	63.0	52.8	79.2
119	33.5	26.5	39.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 0.519 ppbv

RT: 8.924 min Scan# 2730

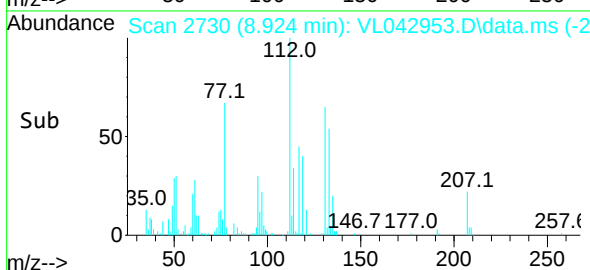
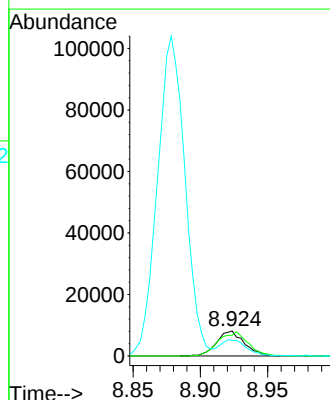
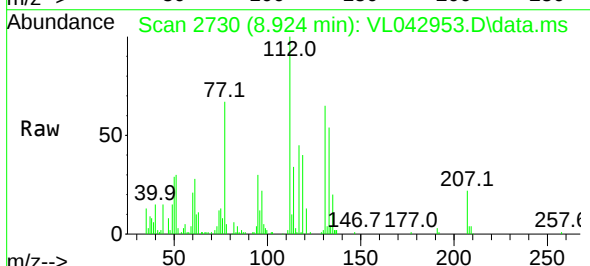
Delta R.T. 0.003 min

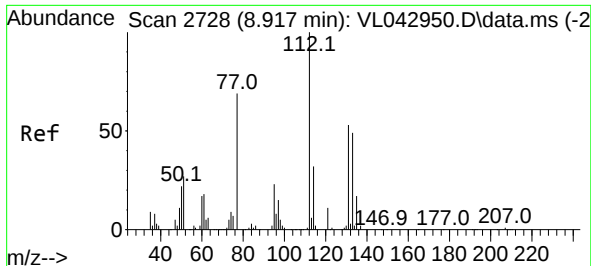
Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Tgt Ion:131 Resp: 11535

Ion	Ratio	Lower	Upper
131	100		
133	105.4	76.6	114.8
119	1350.8	49.9	74.9#





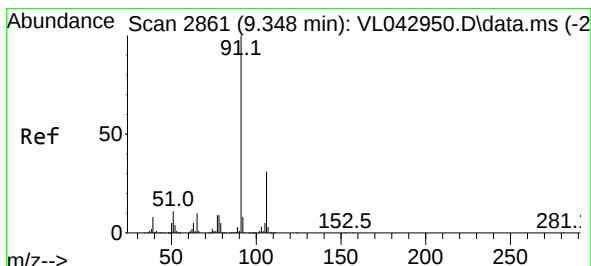
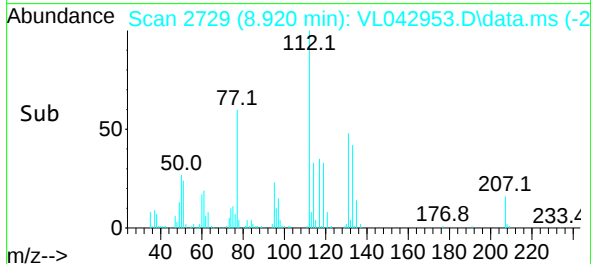
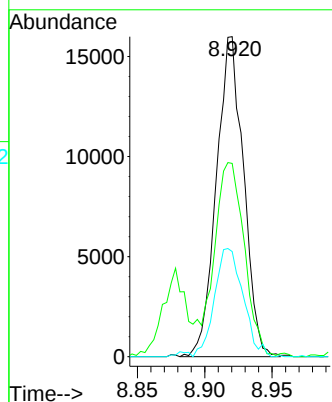
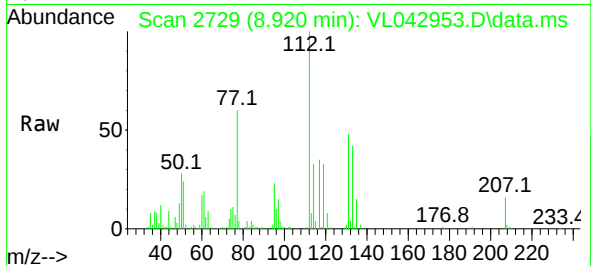
#57
Chlorobenzene
Concen: 0.530 ppbv
RT: 8.920 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 112 Resp: 2246
Ion Ratio Lower Upper
112 100
77 59.5 55.7 83.5
114 32.5 28.6 35.0

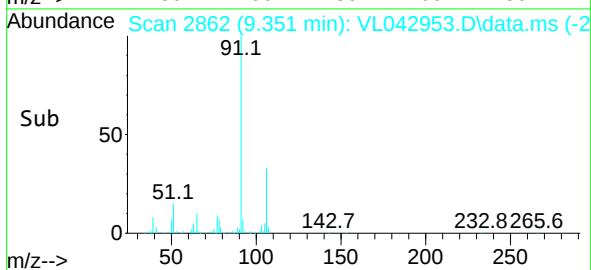
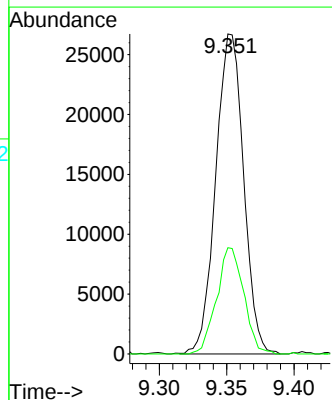
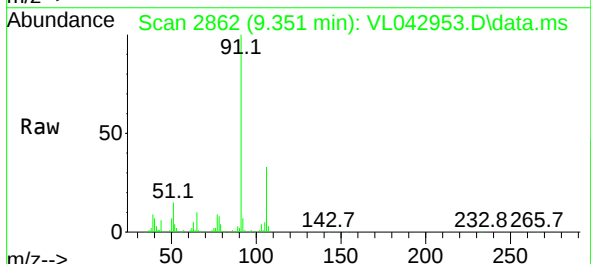
Manual Integrations
APPROVED

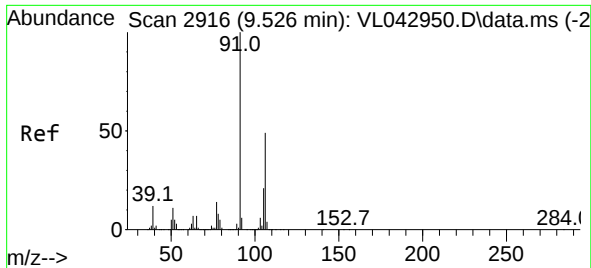
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#58
Ethyl Benzene
Concen: 0.505 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion: 91 Resp: 38459
Ion Ratio Lower Upper
91 100
106 33.2 24.6 37.0





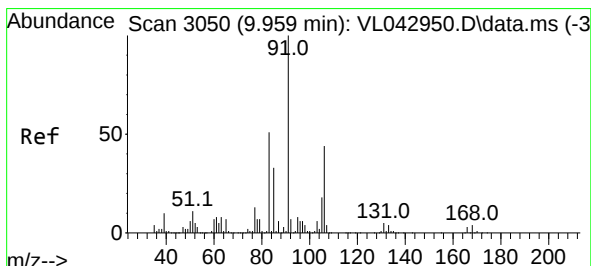
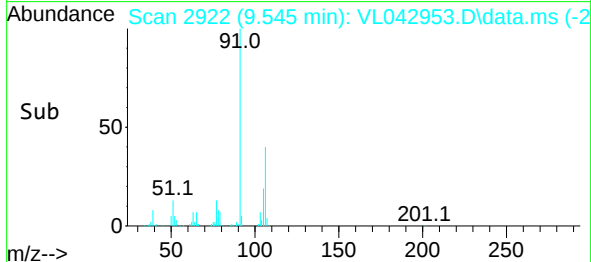
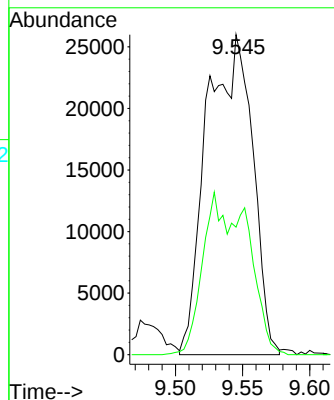
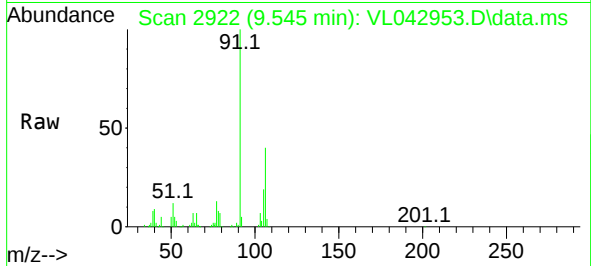
#59
m/p-Xylene
Concen: 1.028 ppbv m
RT: 9.545 min Scan# 2916
Delta R.T. 0.019 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 6180
Ion Ratio Lower Upper
91 100
106 49.3 0.0 0.0

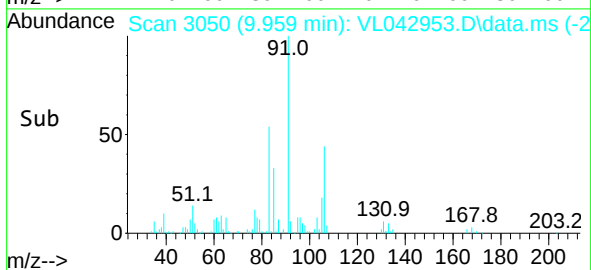
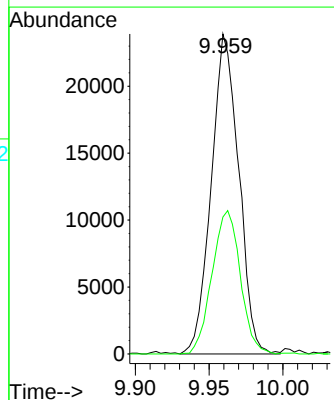
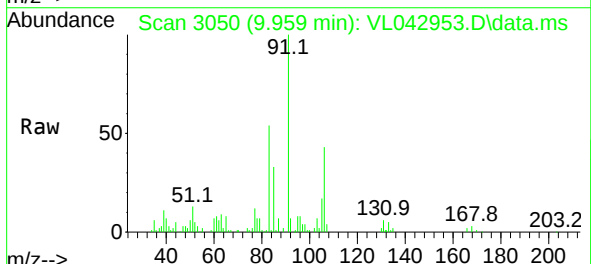
Manual Integrations
APPROVED

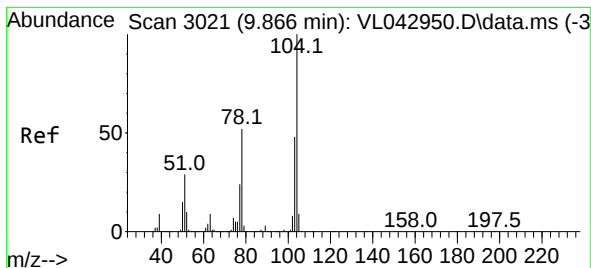
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#60
o-Xylene
Concen: 0.516 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion: 91 Resp: 30976
Ion Ratio Lower Upper
91 100
106 46.2 22.4 67.0





#61

Styrene

Concen: 0.495 ppbv

RT: 9.865 min Scan# 3021

Delta R.T. -0.000 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

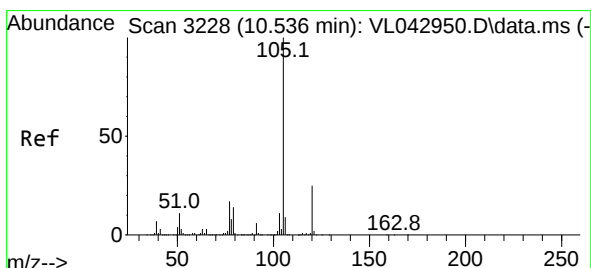
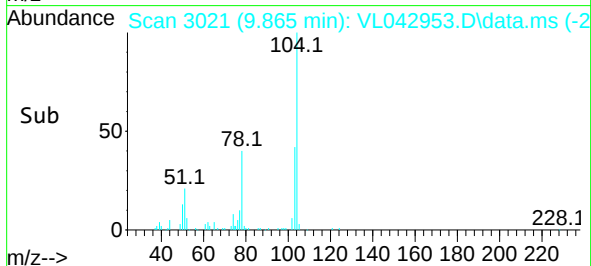
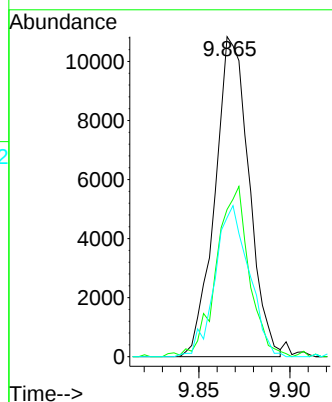
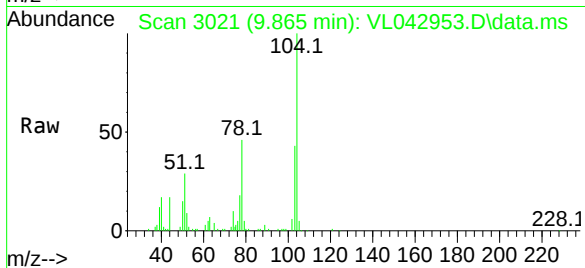
VSTDIC0.5

Tgt Ion:	104	Resp:	1404
Ion Ratio	Lower	Upper	
104	100		
78	51.8	39.9	59.9
103	47.6	36.9	55.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#62

Isopropylbenzene

Concen: 0.521 ppbv

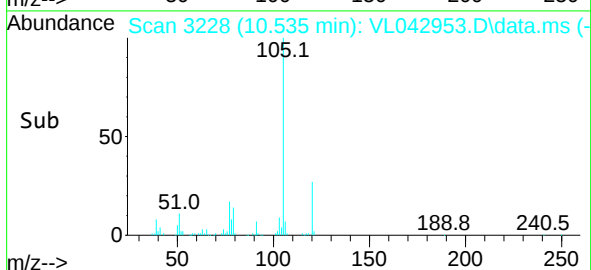
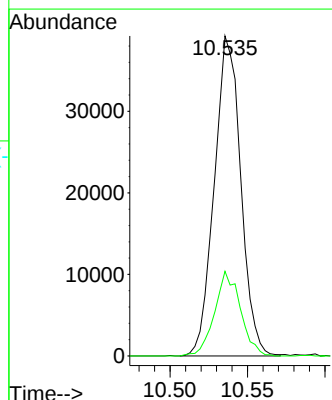
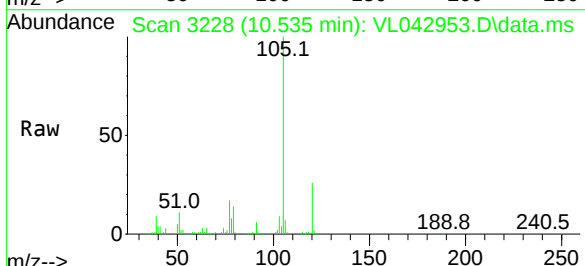
RT: 10.535 min Scan# 3228

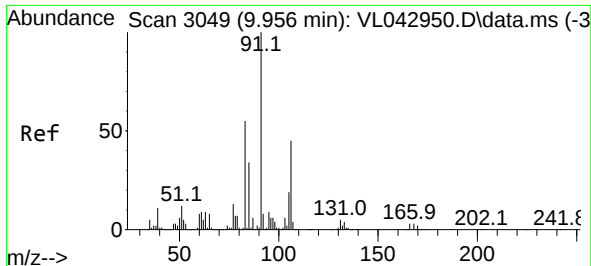
Delta R.T. -0.000 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

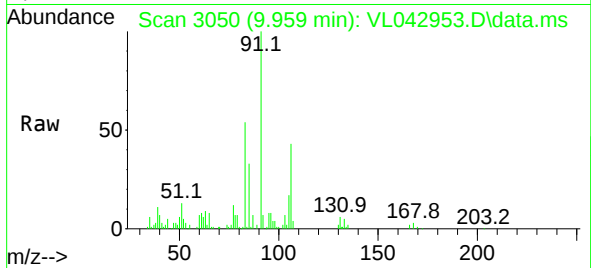
Tgt Ion:	105	Resp:	46640
Ion Ratio	Lower	Upper	
105	100		
120	25.9	20.6	30.8





#63
1,1,2,2-Tetrachloroethane
Concen: 0.506 ppbv
RT: 9.959 min Scan# 3049
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

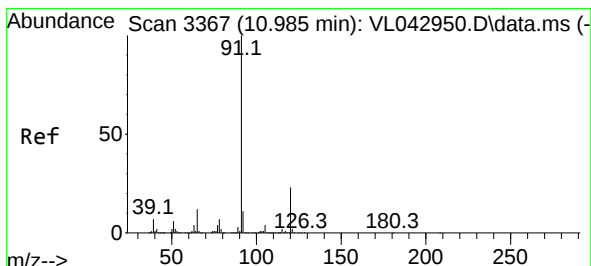
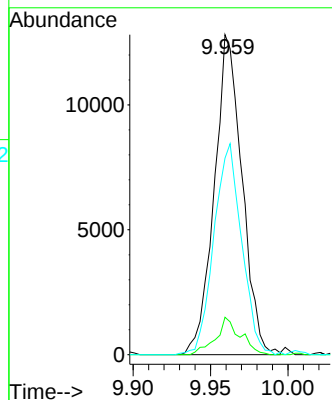
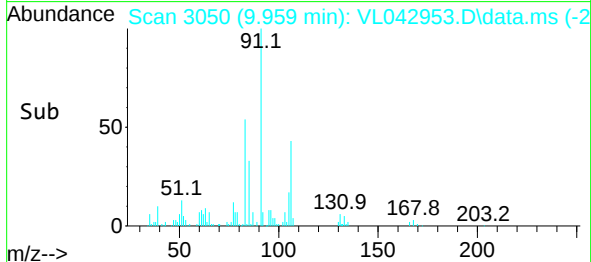
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



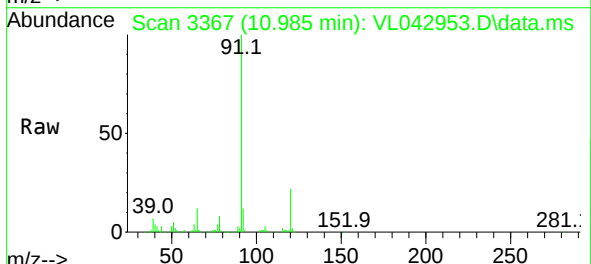
Tgt Ion: 83 Resp: 15974
Ion Ratio Lower Upper
83 100
131 10.4 4.8 14.4
85 66.6 32.2 96.6

Manual Integrations
APPROVED

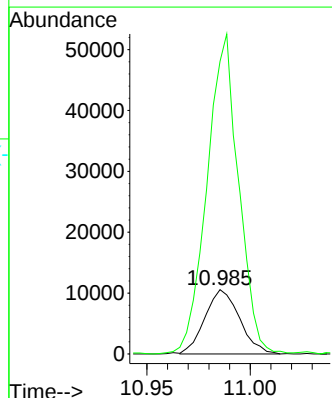
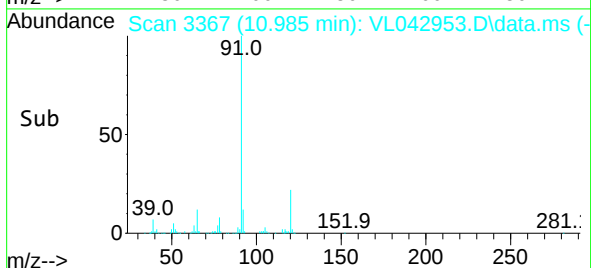
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

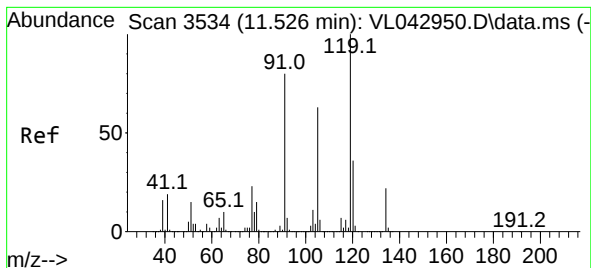


#64
n-propylbenzene
Concen: 0.527 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.000 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22



Tgt Ion:120 Resp: 12333
Ion Ratio Lower Upper
120 100
91 456.5 364.9 547.3





#65

tert-Butylbenzene

Concen: 0.535 ppbv

RT: 11.529 min Scan# 3534

Delta R.T. 0.003 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

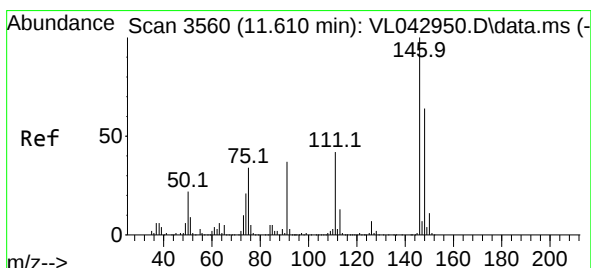
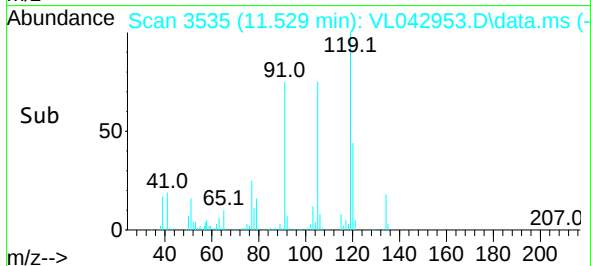
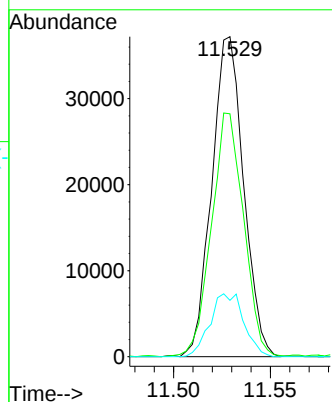
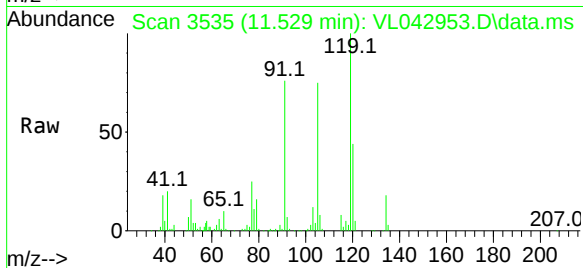
Tgt Ion:	119	Resp:	4259
Ion Ratio	Lower	Upper	
119	100		
91	77.7	63.1	94.7
134	20.9	17.0	25.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#66

Benzyl Chloride

Concen: 0.472 ppbv m

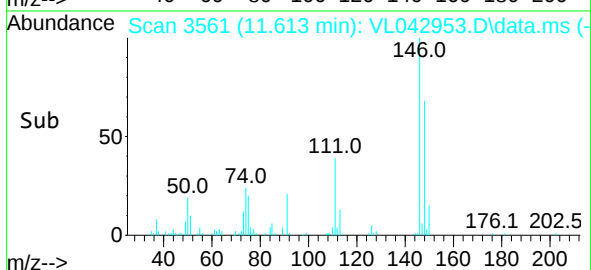
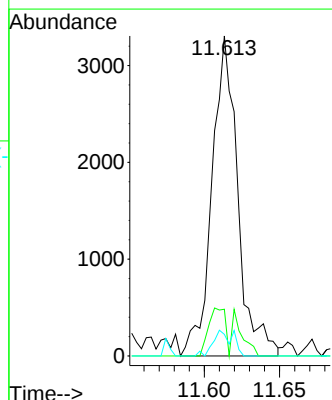
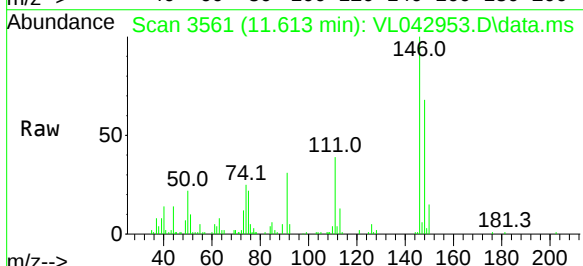
RT: 11.613 min Scan# 3561

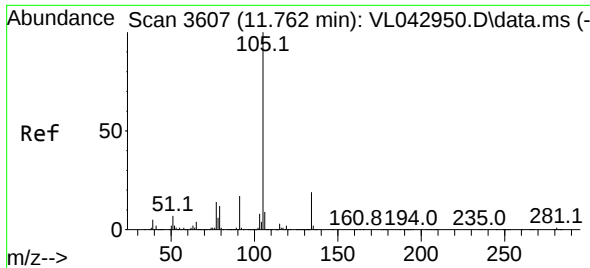
Delta R.T. 0.003 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

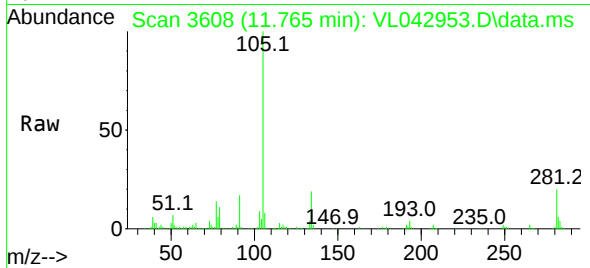
Tgt Ion:	91	Resp:	3942
Ion Ratio	Lower	Upper	
91	100		
126	15.3	14.6	21.8
128	6.1	5.0	7.4





#67
 sec-Butylbenzene
 Concen: 0.525 ppbv
 RT: 11.765 min Scan# 3608
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

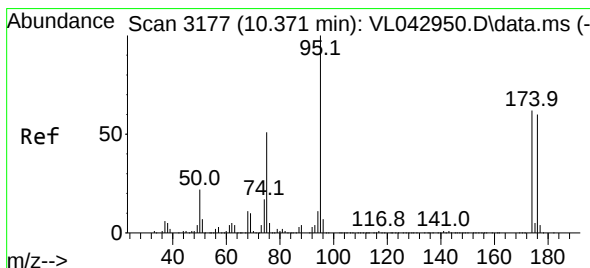
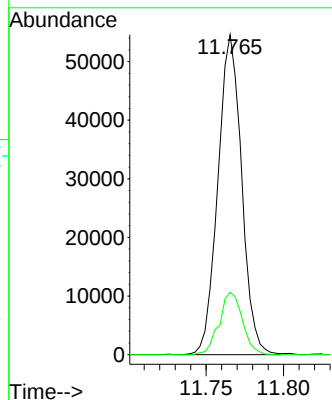
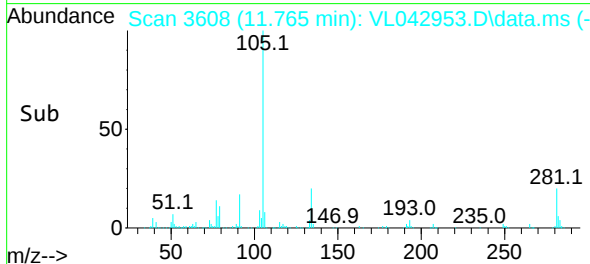
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



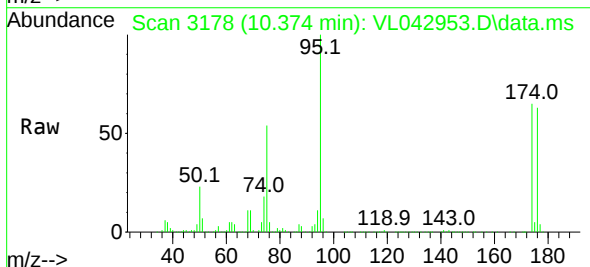
Tgt Ion:105 Resp: 58190
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.7 23.5

Manual Integrations
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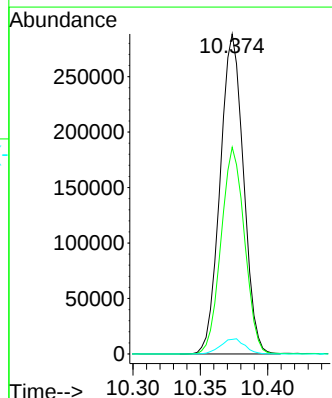
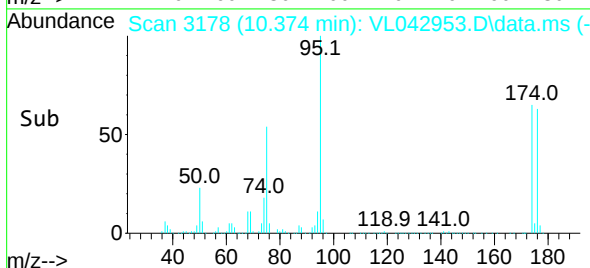
Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025

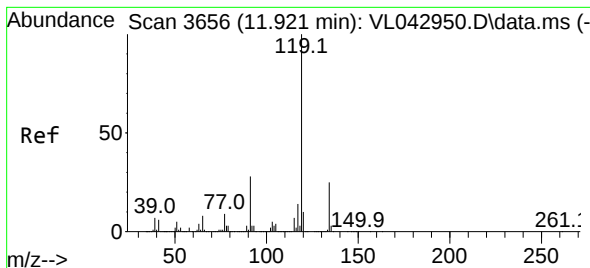


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.027 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22



Tgt Ion: 95 Resp: 347374
 Ion Ratio Lower Upper
 95 100
 174 65.0 51.4 77.2
 175 4.9 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.521 ppbv

RT: 11.924 min Scan# 3656

Delta R.T. 0.003 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

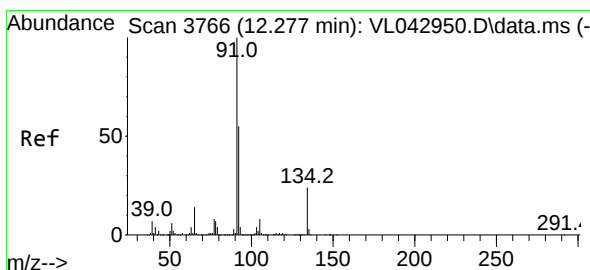
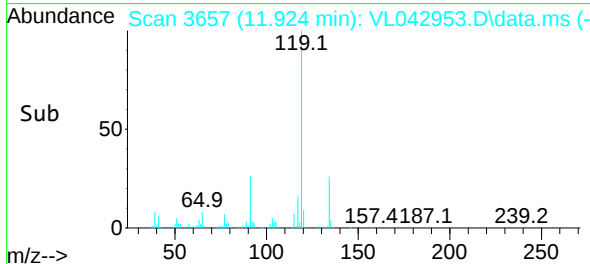
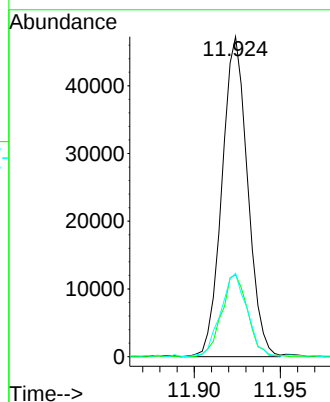
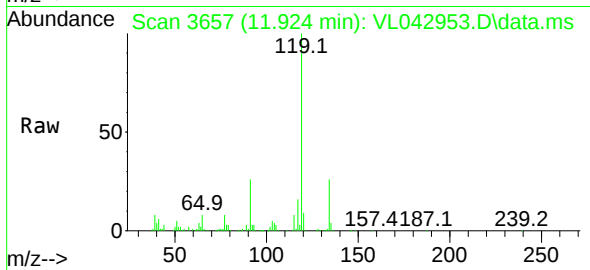
VSTDIC0.5

Tgt Ion:	119	Resp:	4885
Ion	Ratio	Lower	Upper
119	100		
134	26.0	21.0	31.4
91	28.2	22.3	33.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#70

n-Butylbenzene

Concen: 0.489 ppbv

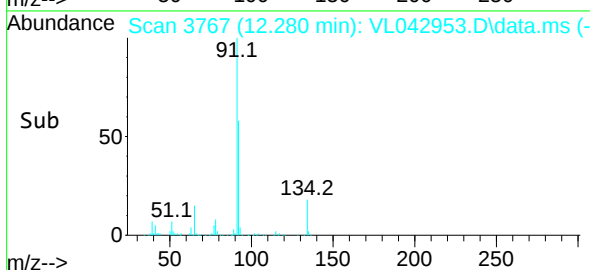
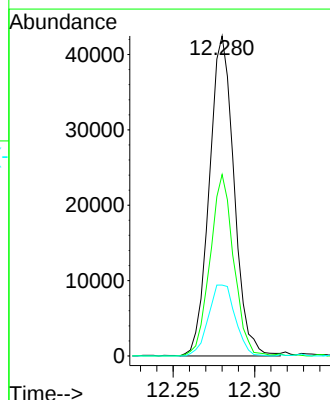
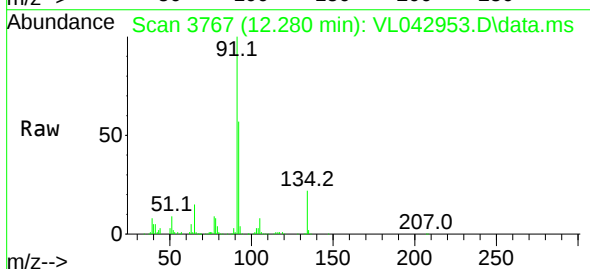
RT: 12.280 min Scan# 3767

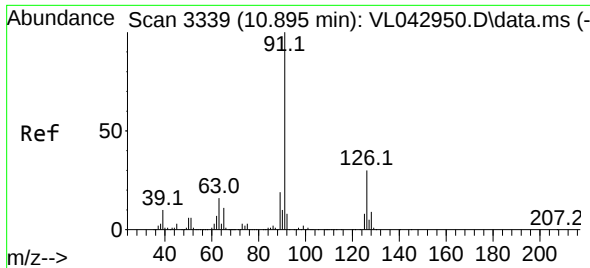
Delta R.T. 0.003 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Tgt Ion:	91	Resp:	44764
Ion	Ratio	Lower	Upper
91	100		
92	54.7	44.0	66.0
134	24.4	19.4	29.2





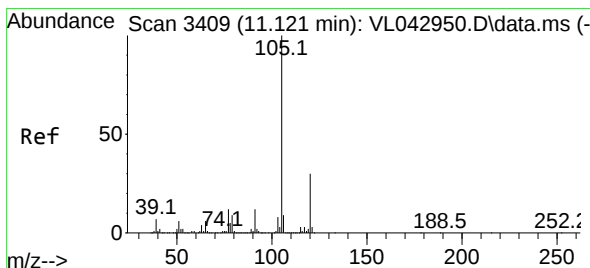
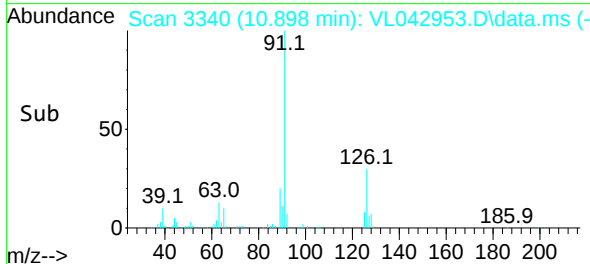
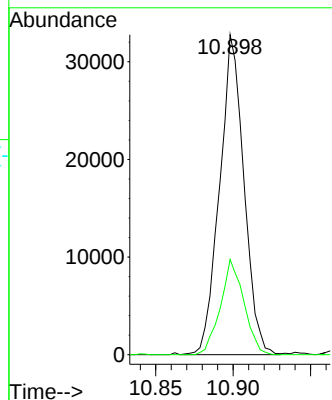
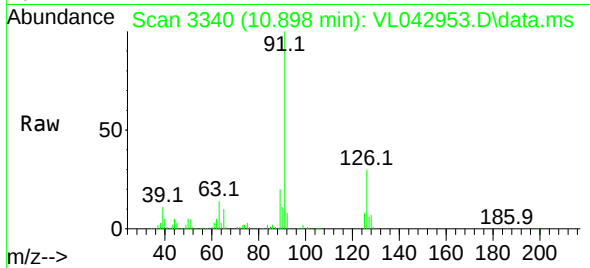
#71
2-Chlorotoluene
Concen: 0.530 ppbv
RT: 10.898 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 3579
Ion Ratio Lower Upper
91 100
126 28.7 12.3 49.3

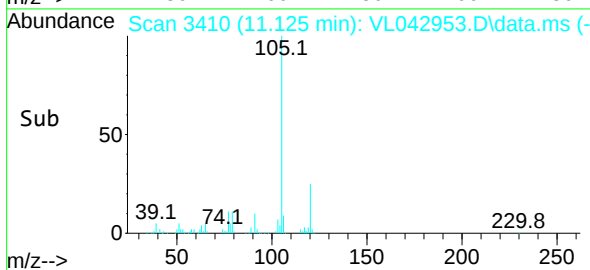
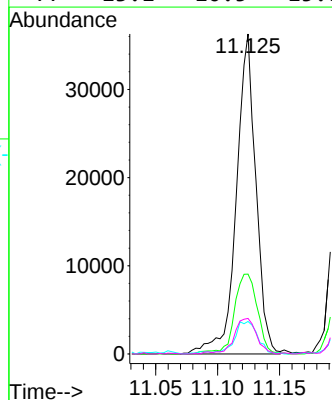
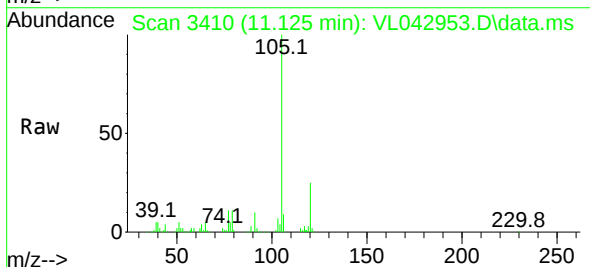
Manual Integrations
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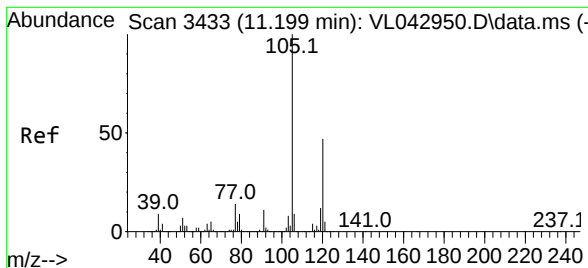
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#72
4-Ethyltoluene
Concen: 0.529 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

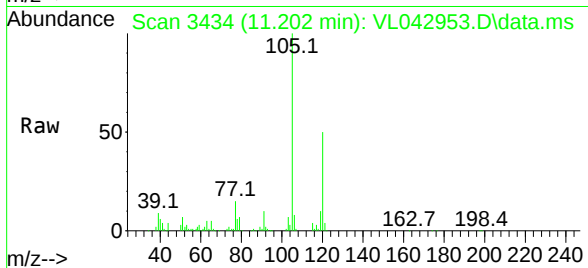
Tgt Ion:105 Resp: 39803
Ion Ratio Lower Upper
105 100
120 29.5 24.2 36.2
91 12.5 10.0 15.0
77 13.1 10.5 15.7





#73
1,3,5-Trimethylbenzene
Concen: 0.507 ppbv
RT: 11.202 min Scan# 3433
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

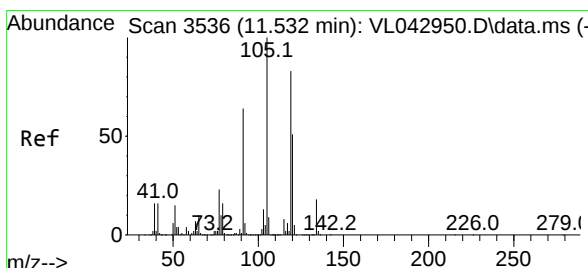
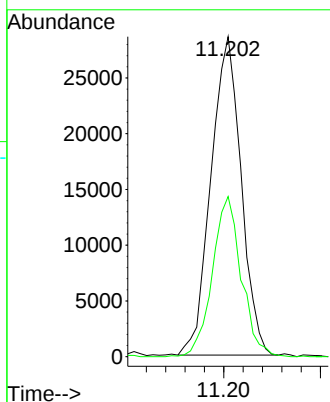
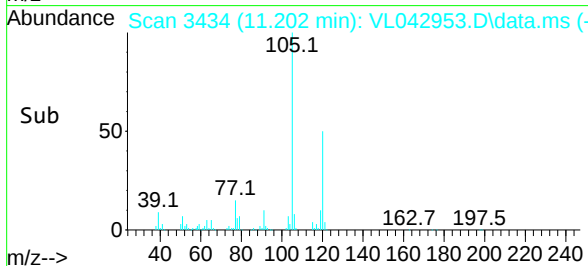
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



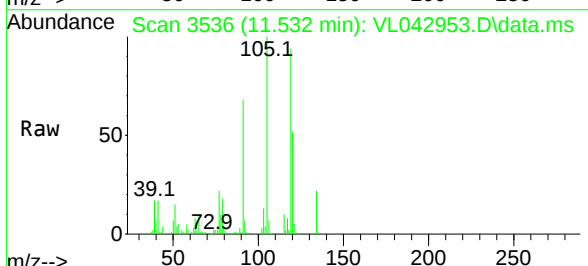
Tgt Ion:105 Resp: 30932
Ion Ratio Lower Upper
105 100
120 50.1 38.0 57.0

Manual Integrations
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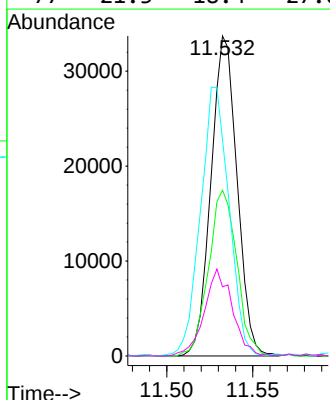
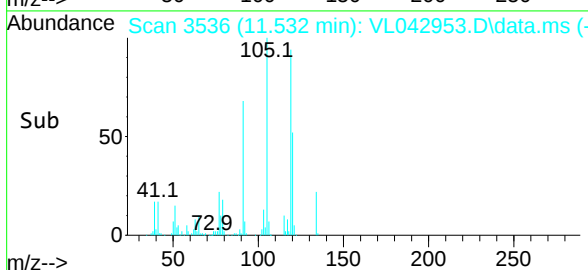
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

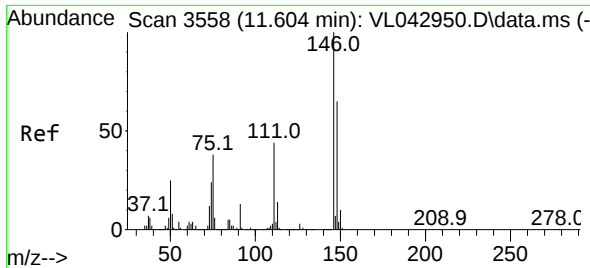


#74
1,2,4-Trimethylbenzene
Concen: 0.529 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.000 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22



Tgt Ion:105 Resp: 35601
Ion Ratio Lower Upper
105 100
120 51.8 40.9 61.3
91 66.9 51.2 76.8
77 21.3 18.4 27.6





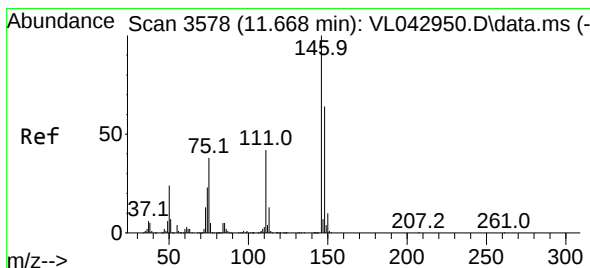
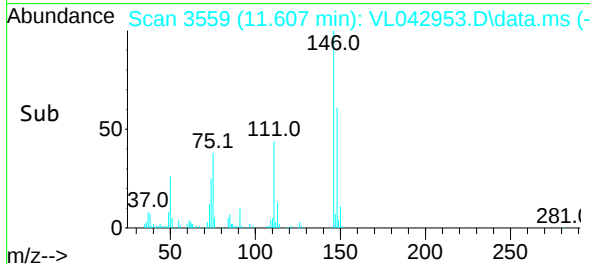
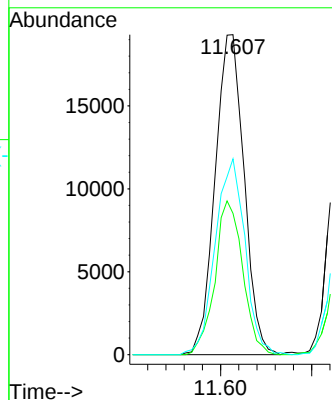
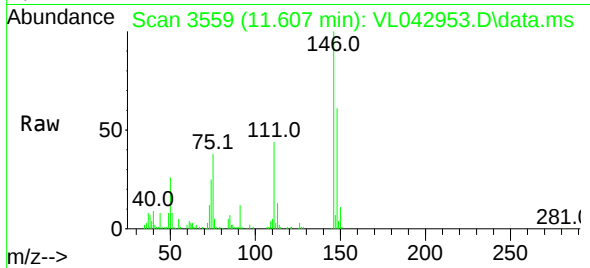
#75
1,3-Dichlorobenzene
Concen: 0.510 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. 0.003 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:146 Resp: 2130
Ion Ratio Lower Upper
146 100
111 45.9 22.3 66.9
148 62.7 31.9 95.5

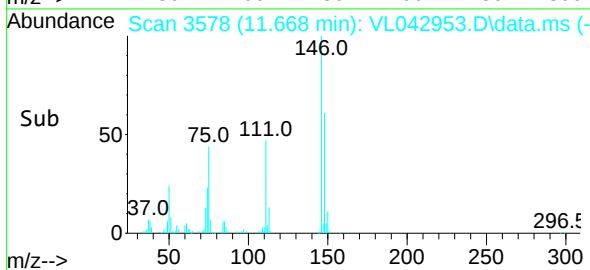
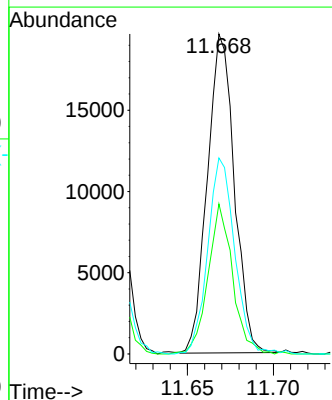
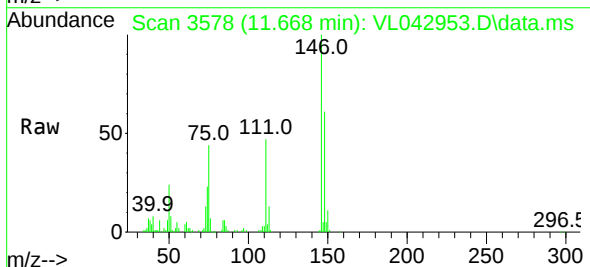
Manual Integrations
APPROVED

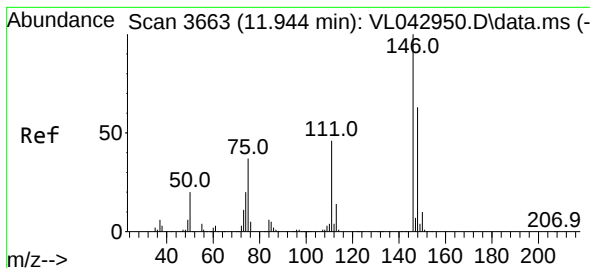
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#76
1,4-Dichlorobenzene
Concen: 0.516 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.000 min
Lab File: VL042953.D
Acq: 22 Sep 2025 11:22

Tgt Ion:146 Resp: 21404
Ion Ratio Lower Upper
146 100
111 42.9 21.5 64.5
148 61.6 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 0.510 ppbv

RT: 11.943 min Scan# 30

Delta R.T. -0.000 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

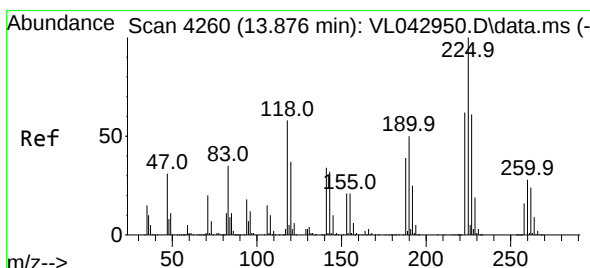
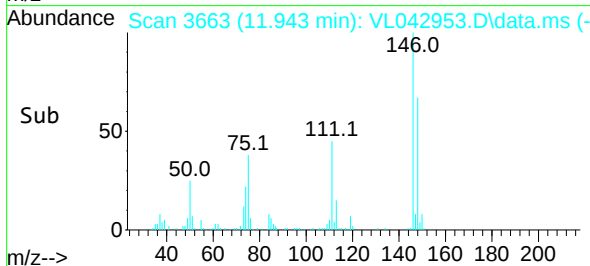
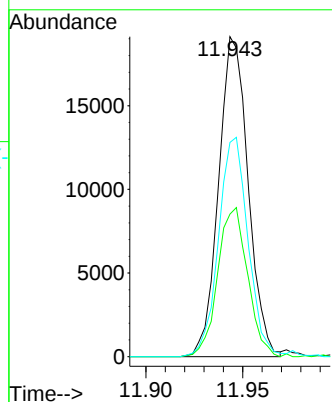
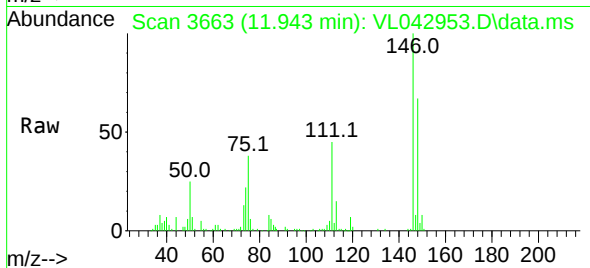
VSTDICC0.5

Tgt Ion:	146	Resp:	20279
Ion Ratio	Lower	Upper	
146	100		
111	47.5	23.1	69.3
148	69.3	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#78

Hexachloro-1,3-Butadiene

Concen: 0.563 ppbv

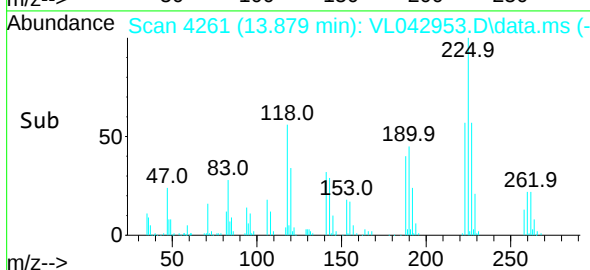
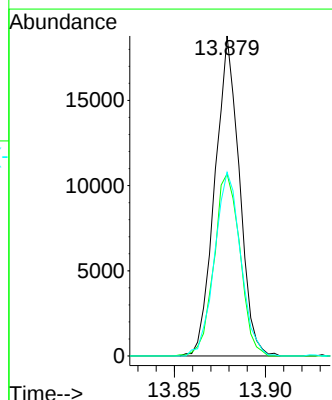
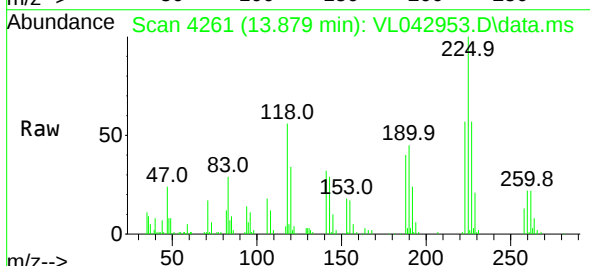
RT: 13.879 min Scan# 4261

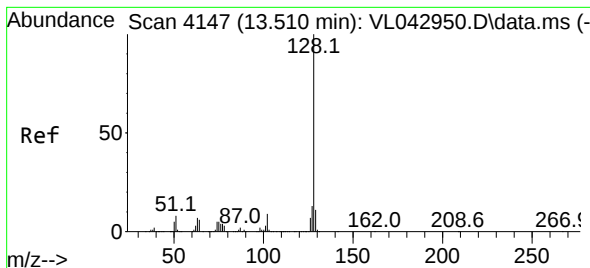
Delta R.T. 0.003 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Tgt Ion:	225	Resp:	17515
Ion Ratio	Lower	Upper	
225	100		
223	60.4	50.1	75.1
227	61.5	50.4	75.6





#79

Naphthalene

Concen: 0.429 ppbv

RT: 13.510 min Scan# 4147

Delta R.T. -0.000 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

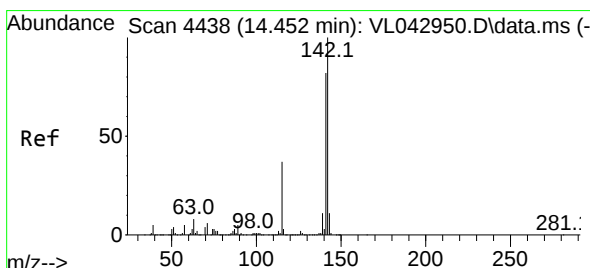
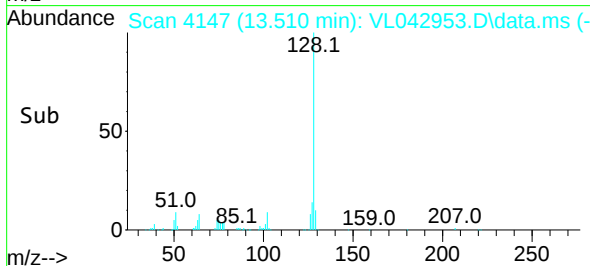
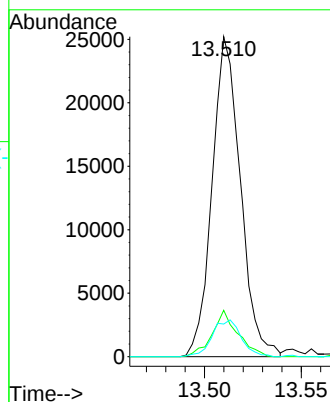
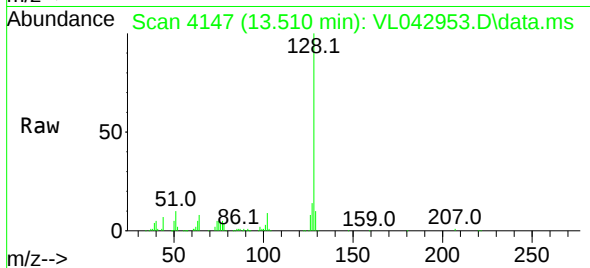
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.6	15.8
129	10.2	9.0	13.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#80

Naphthalene,2-methyl-

Concen: 0.484 ppbv

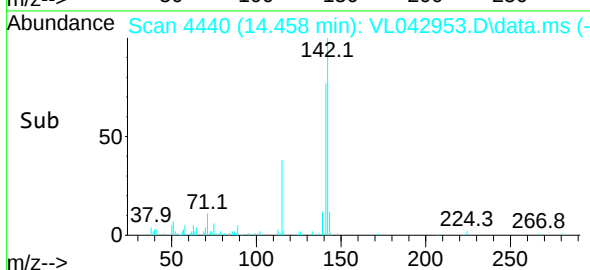
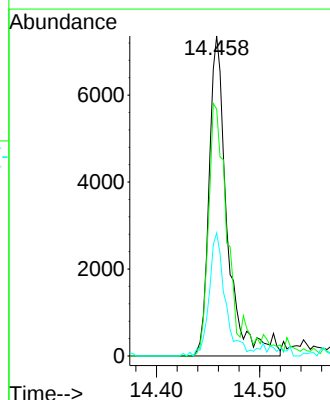
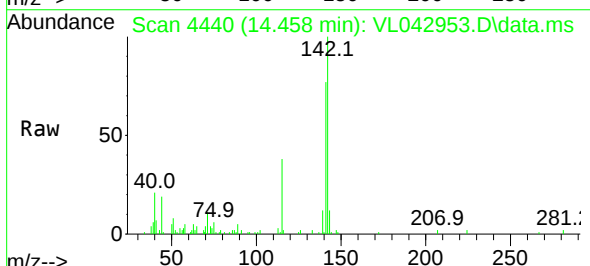
RT: 14.458 min Scan# 4440

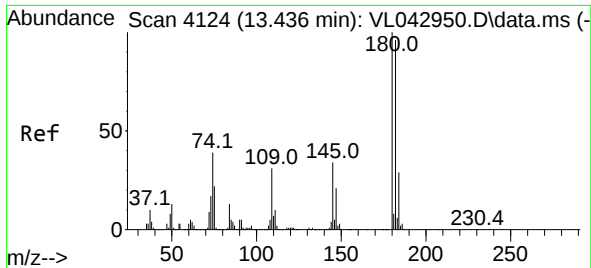
Delta R.T. 0.006 min

Lab File: VL042953.D

Acq: 22 Sep 2025 11:22

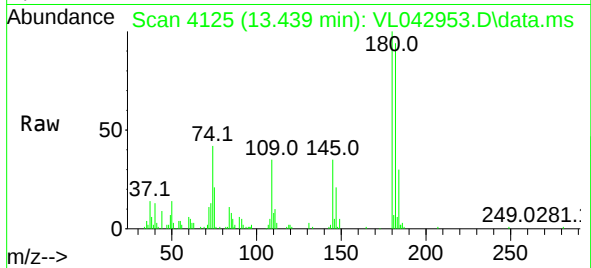
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.9	65.1	97.7
115	35.4	28.9	43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.406 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042953.D
 Acq: 22 Sep 2025 11:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:180	Resp:	12920
Ion Ratio	Lower	Upper
180	100	
182	93.3	75.7 113.5
184	32.6	23.9 35.9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025

