

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042952.D
 Acq On : 22 Sep 2025 10:48
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Sep 23 02:10:27 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	2.784	49	162797	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	511767	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	469265	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	348878	9.960	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	23644	1.080	ppbv	97
3) Chlorodifluoromethane	1.476	51	29646	1.086	ppbv	99
4) Chloromethane	1.531	50	10120	1.021	ppbv	97
5) Vinyl Chloride	1.580	62	9228	1.030	ppbv	99
6) Bromomethane	1.667	94	3493	1.105	ppbv	96
7) Chloroethane	1.703	64	3872	1.113	ppbv #	81
8) Dichlorotetrafluoroethane	1.554	85	20172	1.079	ppbv	97
9) Propene	1.482	41	12808	1.079	ppbv	92
10) Heptane	4.972	43	33540m	1.053	ppbv	
11) Trichlorofluoromethane	1.874	101	22397	1.061	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	18180	1.063	ppbv	99
13) Ethanol	1.719	45	1463	1.286	ppbv #	33
14) Bromoethene	1.780	108	6783	1.049	ppbv #	87
15) Acetone	1.832	43	25273	1.192	ppbv	99
16) 1,3-Butadiene	1.609	39	10993	1.099	ppbv	88
17) tert-Butyl alcohol	2.039	59	25141	1.081	ppbv #	88
18) 1,1-Dichloroethene	2.033	96	8192	1.035	ppbv	96
19) Isopropyl Alcohol	1.884	45	13241	1.039	ppbv #	41
20) Methylene Chloride	2.059	84	10045	0.985	ppbv	97
21) Allyl Chloride	2.094	41	15801	1.070	ppbv	95
22) trans-1,2-Dichloroethene	2.337	96	9960	1.108	ppbv	96
23) Vinyl Acetate	2.457	43	30884	1.020	ppbv #	96
24) 1,1-Dichloroethane	2.405	63	19077	1.082	ppbv	99
25) Ethyl Acetate	2.832	43	56877	1.061	ppbv	97
26) Hexane	2.822	57	26276	1.076	ppbv	96
27) Carbon Disulfide	2.149	76	23373	1.067	ppbv #	32
28) Methyl tert-Butyl Ether	2.441	73	12580	0.991	ppbv #	86
29) Chloroform	2.842	83	33240	1.041	ppbv	99
30) Cyclohexane	3.855	84	21707	1.063	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	23828	1.041	ppbv	96
32) 1,1,1-Trichloroethane	3.360	97	35233	1.018	ppbv	97
34) 2-Butanone	2.554	43	37431	1.044	ppbv	97
35) Carbon Tetrachloride	3.758	117	34016	1.033	ppbv	96
36) Benzene	3.651	78	49652	1.033	ppbv	100
37) 1,2-Dichloroethane	3.214	62	26482	1.048	ppbv	98
38) Trichloroethene	4.538	130	23906	1.001	ppbv	98
39) 1,2-Dichloropropane	4.311	63	18493m	1.053	ppbv	
40) 1,4-Dioxane	4.583	88	8804m	1.080	ppbv	
41) Tetrahydrofuran	3.055	42	20845	1.011	ppbv	98
42) Bromodichloromethane	4.480	83	35768m	1.016	ppbv	
43) Methyl Methacrylate	4.871	69	20289	1.040	ppbv	98
44) 2,2,4-Trimethylpentane	4.635	57	84970	1.023	ppbv	96
45) t-1,3-Dichloropropene	6.402	75	21210m	1.011	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

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

Quant Time: Sep 23 02:10:27 2025

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

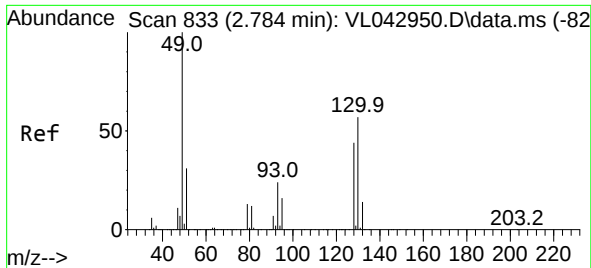
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

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

Response via : Initial Calibration

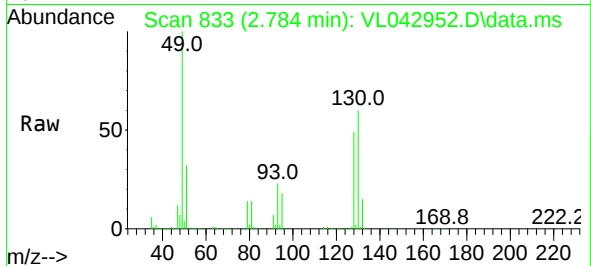
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	27025m	1.011	ppbv	
47) 1,1,2-Trichloroethane	6.574	97	19311	1.041	ppbv	96
48) Dibromochloromethane	7.383	129	30015	1.012	ppbv	99
49) Bromoform	9.477	173	25929	1.005	ppbv	98
50) 4-Methyl-2-Pentanone	5.748	43	48546	1.007	ppbv	98
51) 2-Hexanone	7.431	43	39627	1.034	ppbv #	99
52) Tetrachloroethene	8.218	164	18188	0.978	ppbv	97
53) Toluene	6.926	91	58200	1.023	ppbv	100
54) 1,2-Dibromoethane	7.645	107	26608	1.020	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.920	131	22802	1.015	ppbv	94
57) Chlorobenzene	8.914	112	45873	1.071	ppbv	98
58) Ethyl Benzene	9.351	91	80473	1.044	ppbv	97
59) m/p-Xylene	9.529	91	128139m	2.108	ppbv	
60) o-Xylene	9.959	91	64703	1.066	ppbv	99
61) Styrene	9.869	104	29061	1.012	ppbv	98
62) Isopropylbenzene	10.535	105	96621	1.068	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	31695	0.993	ppbv	96
64) n-propylbenzene	10.985	120	24820	1.049	ppbv	98
65) tert-Butylbenzene	11.526	119	86303	1.072	ppbv	99
66) Benzyl Chloride	11.610	91	8140	0.964	ppbv	100
67) sec-Butylbenzene	11.762	105	120070	1.070	ppbv	100
69) p-Isopropyltoluene	11.921	119	101749	1.074	ppbv	99
70) n-Butylbenzene	12.277	91	98908	1.069	ppbv	99
71) 2-Chlorotoluene	10.895	91	70577	1.033	ppbv	98
72) 4-Ethyltoluene	11.121	105	79095	1.040	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	63174	1.024	ppbv	98
74) 1,2,4-Trimethylbenzene	11.532	105	71411	1.049	ppbv	95
75) 1,3-Dichlorobenzene	11.603	146	44769	1.060	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	42879	1.022	ppbv	97
77) 1,2-Dichlorobenzene	11.940	146	42911	1.068	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	34798	1.107	ppbv	99
79) Naphthalene	13.510	128	61925	1.028	ppbv	98
80) Naphthalene,2-methyl-	14.455	142	17116	0.920	ppbv	97
81) 1,2,4-Trichlorobenzene	13.435	180	32411	1.007	ppbv	97

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

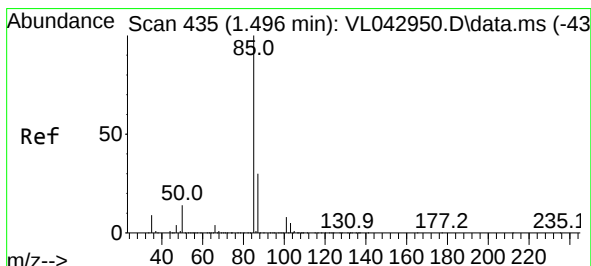
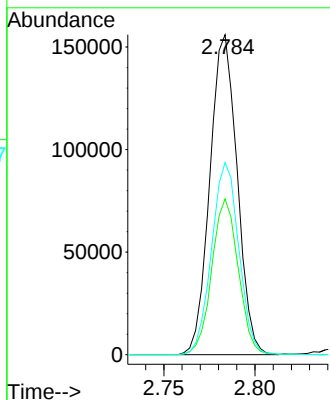
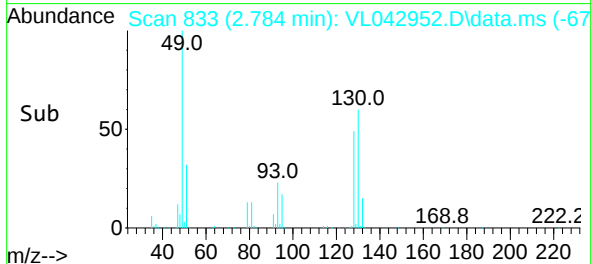
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



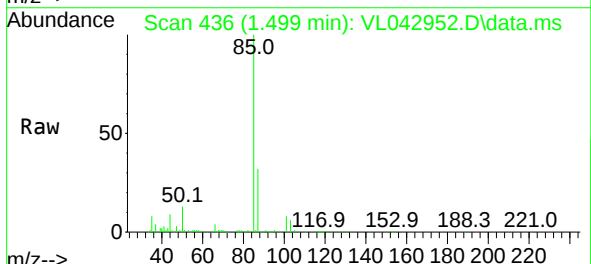
Tgt Ion: 49 Resp: 16279
Ion Ratio Lower Upper
49 100
128 47.3 22.9 68.8
130 60.1 29.1 87.3

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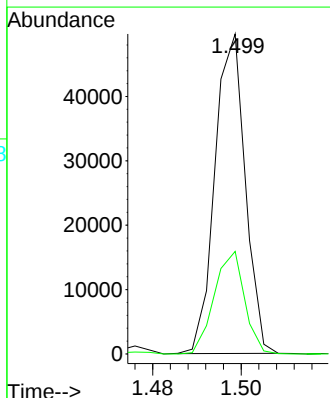
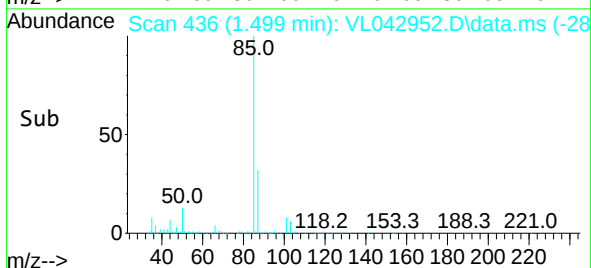
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

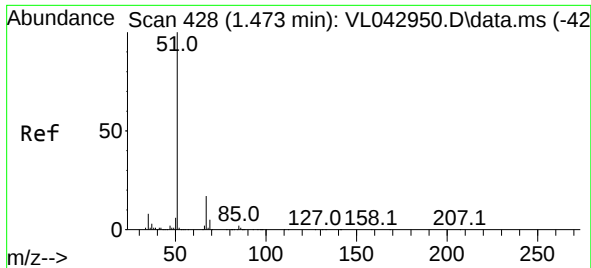


#2
Dichlorodifluoromethane
Concen: 1.080 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48



Tgt Ion: 85 Resp: 23644
Ion Ratio Lower Upper
85 100
87 32.1 24.3 36.5





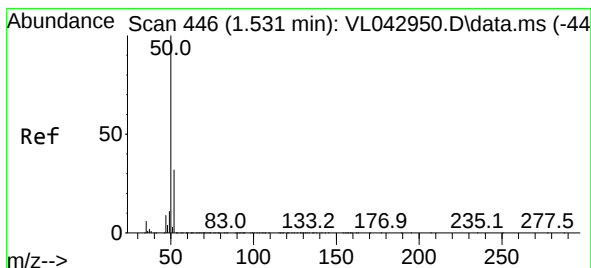
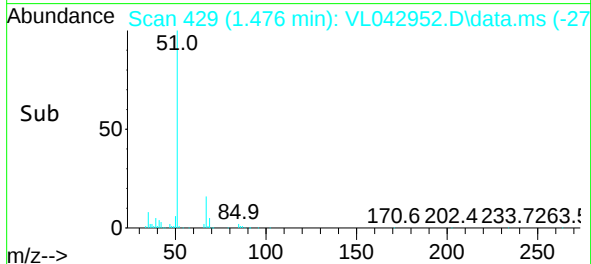
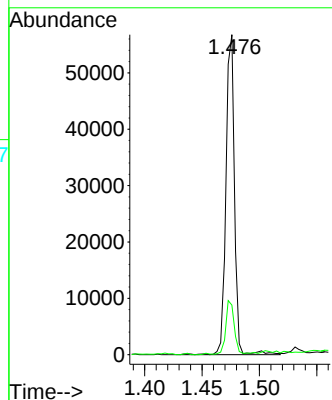
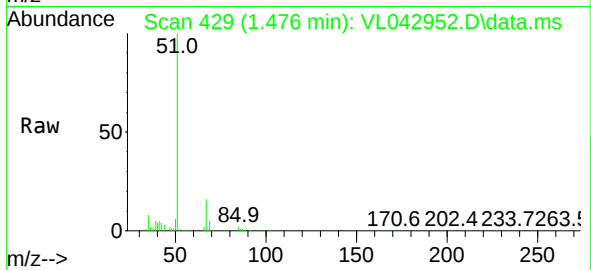
#3
Chlorodifluoromethane
Concen: 1.086 ppbv
RT: 1.476 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 29640
Ion Ratio Lower Upper
51 100
67 17.9 13.8 20.8

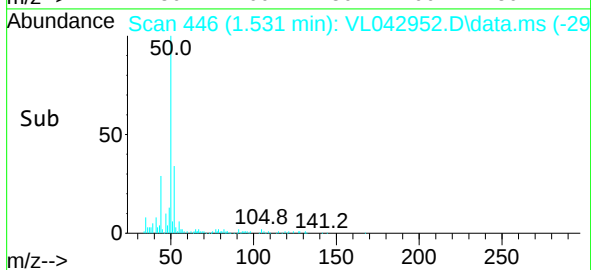
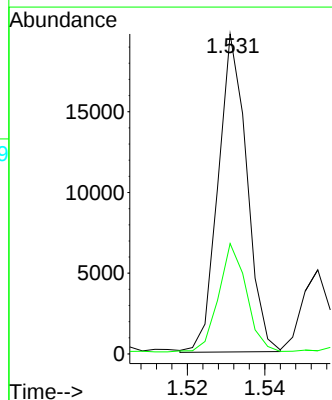
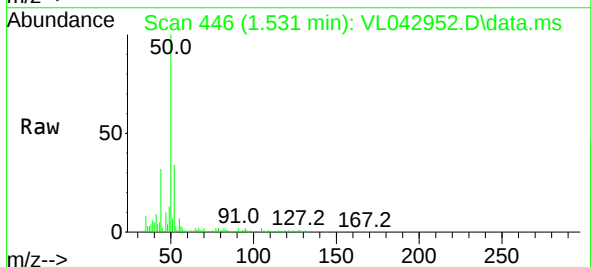
Manual Integrations
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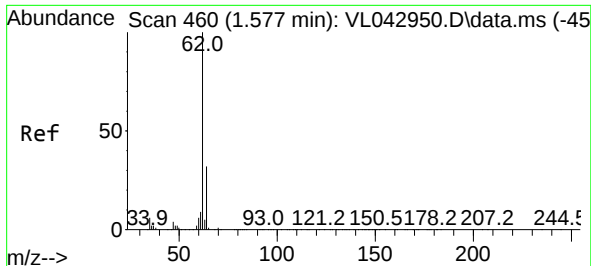
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#4
Chloromethane
Concen: 1.021 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

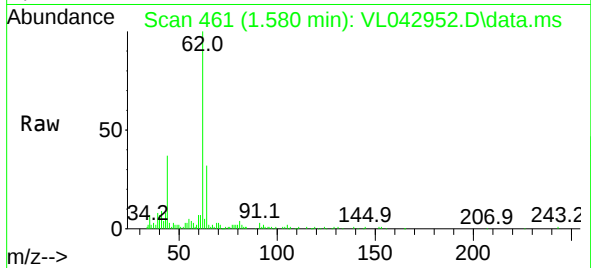
Tgt Ion: 50 Resp: 10120
Ion Ratio Lower Upper
50 100
52 33.9 25.9 38.9





#5
 Vinyl Chloride
 Concen: 1.030 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

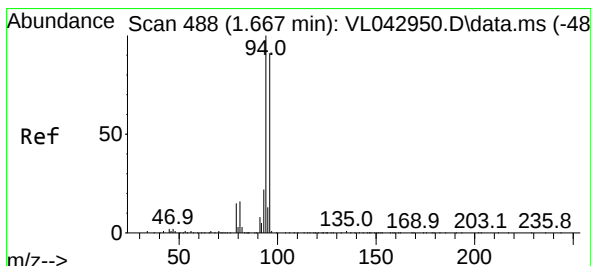
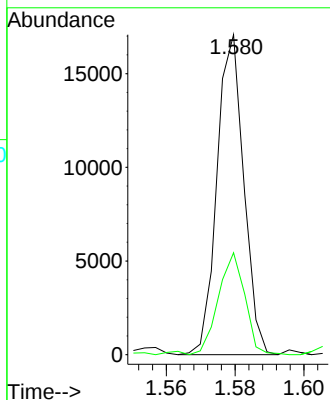
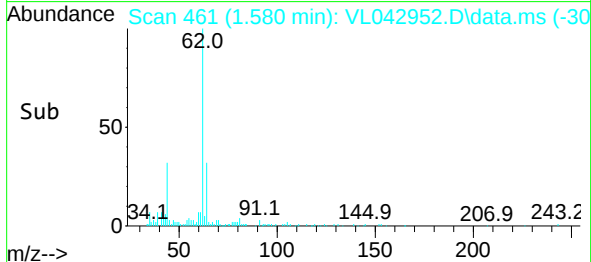
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001



Tgt Ion: 62 Resp: 9228
 Ion Ratio Lower Upper
 62 100
 64 31.4 25.4 38.2

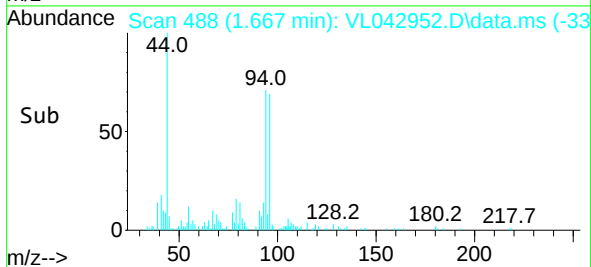
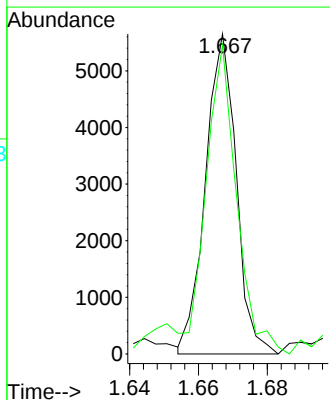
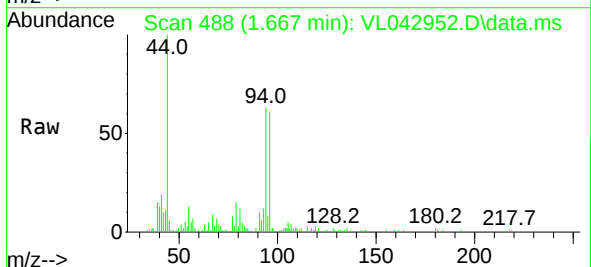
Manual Integrations
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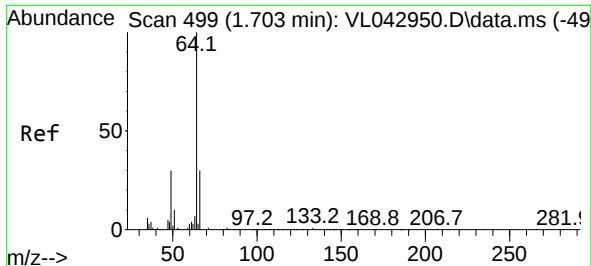
Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025



#6
 Bromomethane
 Concen: 1.105 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

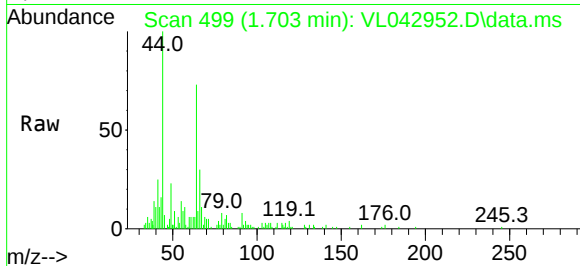
Tgt Ion: 94 Resp: 3493
 Ion Ratio Lower Upper
 94 100
 96 94.4 72.6 108.8





#7
Chloroethane
Concen: 1.113 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

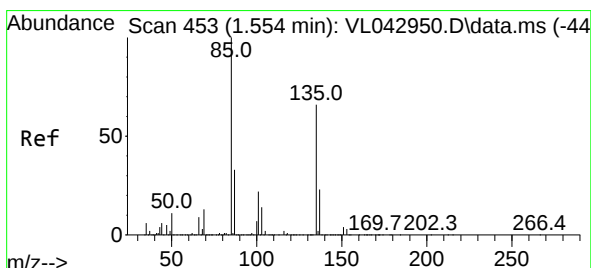
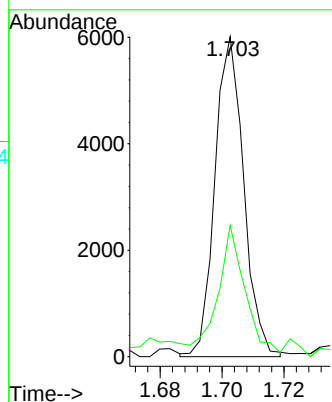
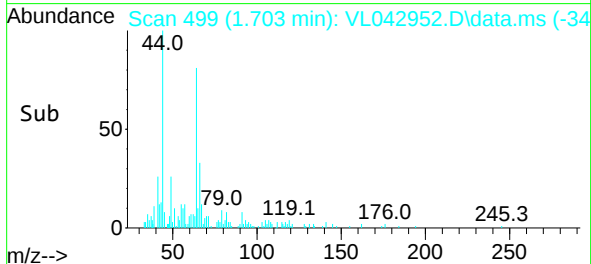
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



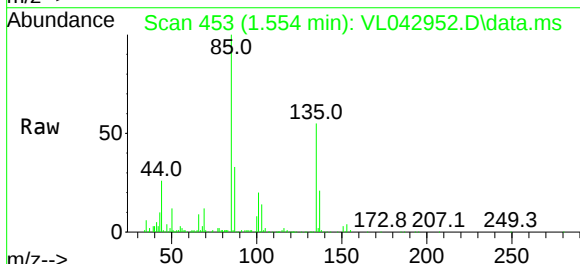
Tgt Ion: 64 Resp: 3872
Ion Ratio Lower Upper
64 100
66 41.0 24.6 36.8

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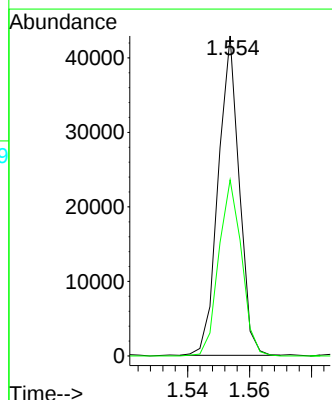
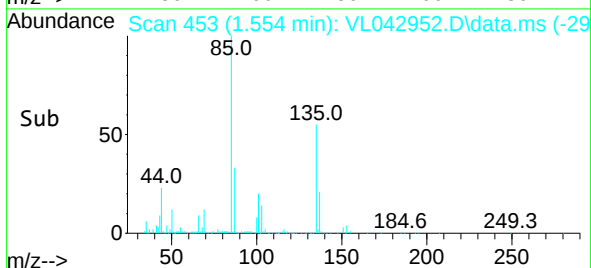
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

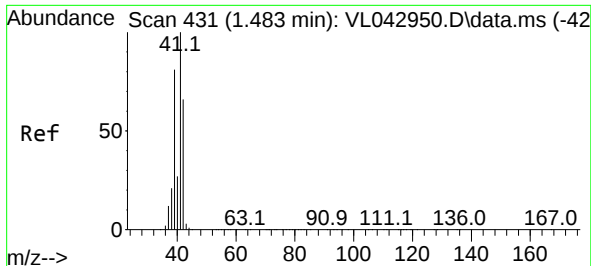


#8
Dichlorotetrafluoroethane
Concen: 1.079 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48



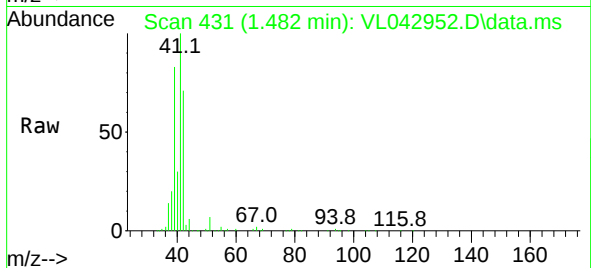
Tgt Ion: 85 Resp: 20172
Ion Ratio Lower Upper
85 100
135 59.9 49.7 74.5





#9
 Propene
 Concen: 1.079 ppbv
 RT: 1.482 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

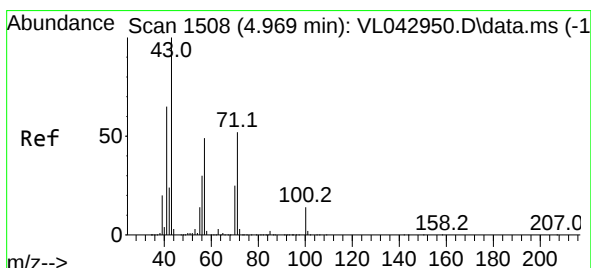
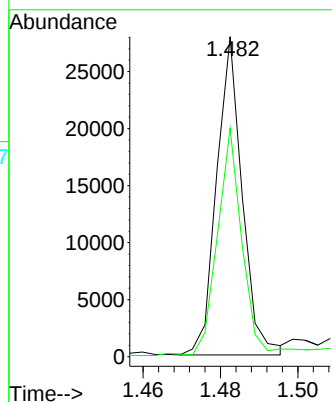
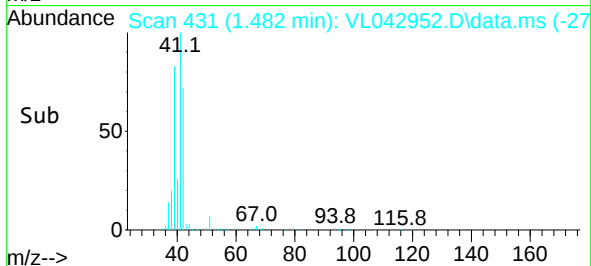
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



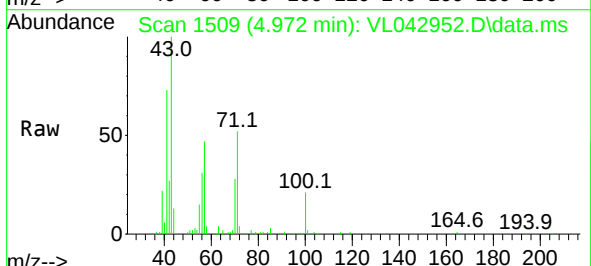
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 Ion Ratio Lower Upper
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 42 78.5 57.4 86.2

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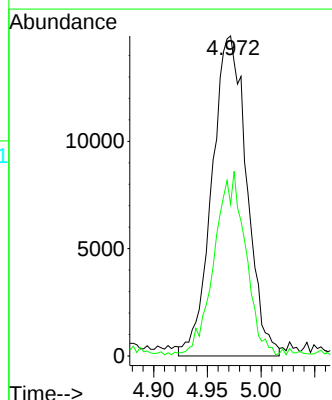
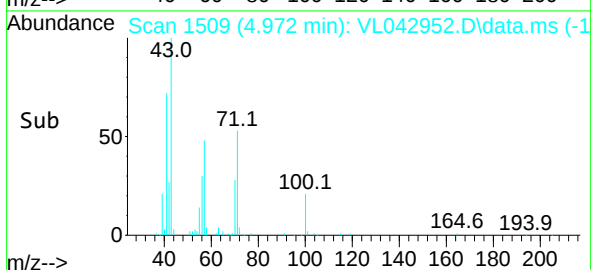
Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025

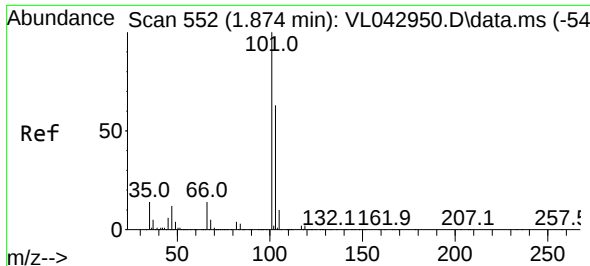


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 Heptane
 Concen: 1.053 ppbv m
 RT: 4.972 min Scan# 1509
 Delta R.T. 0.003 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48



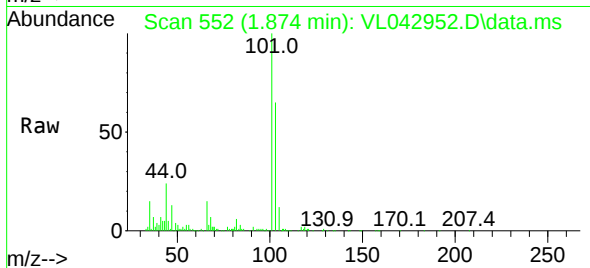
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 Ion Ratio Lower Upper
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 57 52.5 38.6 57.8





#11
 Trichlorofluoromethane
 Concen: 1.061 ppbv
 RT: 1.874 min Scan# 552
 Delta R.T. -0.000 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

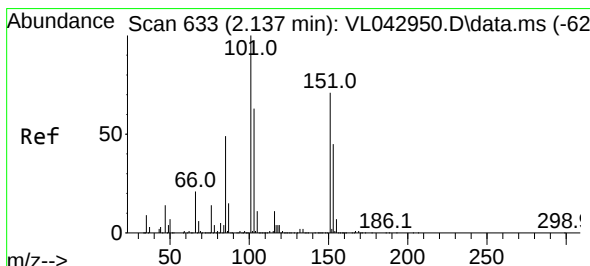
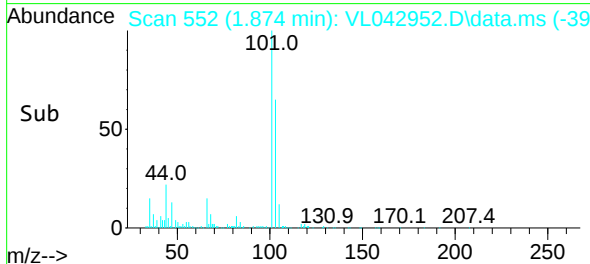
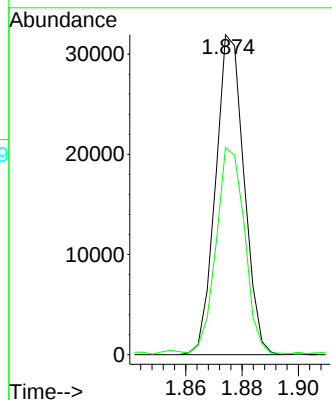
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion:101 Resp: 2239
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.1 75.1

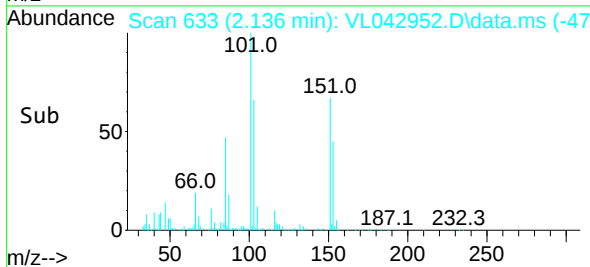
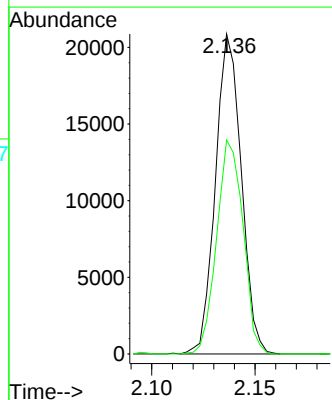
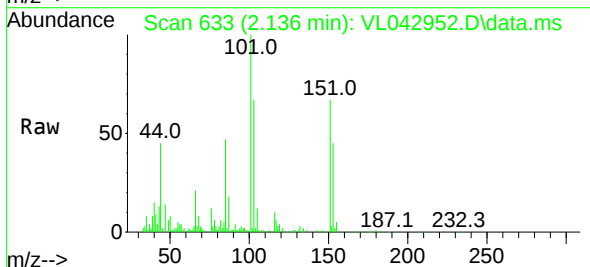
Manual Integrations
 APPROVED

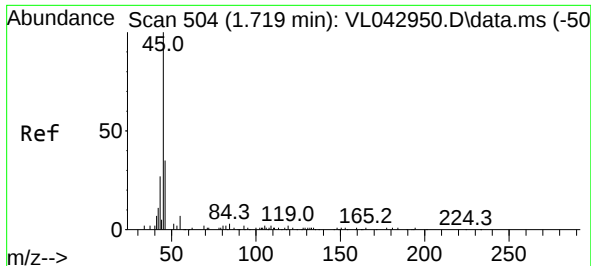
Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.063 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.000 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

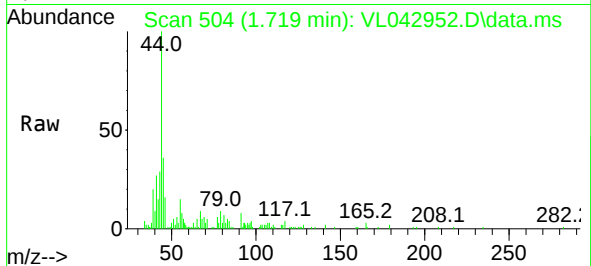
Tgt Ion:101 Resp: 18180
 Ion Ratio Lower Upper
 101 100
 151 68.7 55.7 83.5





#13
Ethanol
Concen: 1.286 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

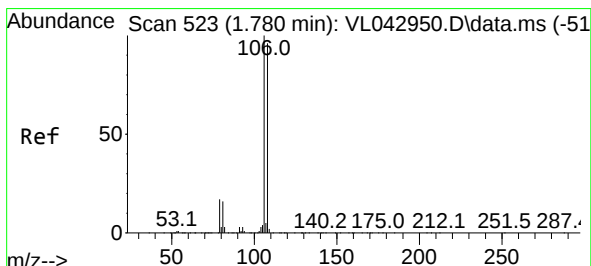
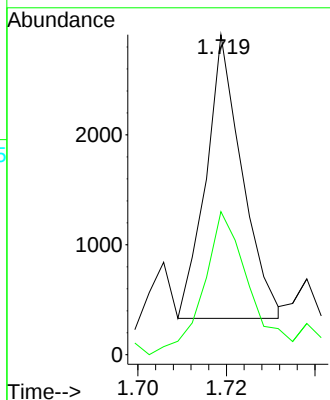
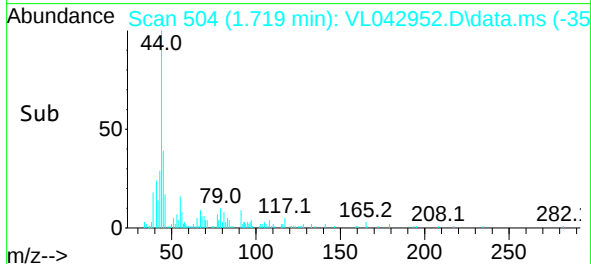
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



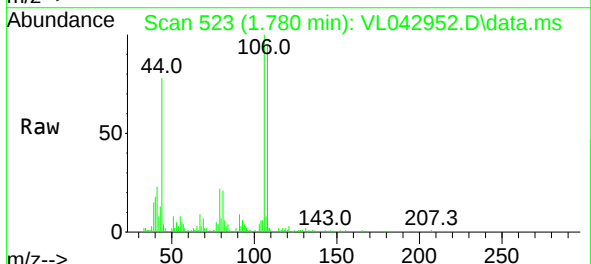
Tgt Ion: 45 Resp: 1463
Ion Ratio Lower Upper
45 100
46 82.0 16.2 64.6

Manual Integrations
APPROVED

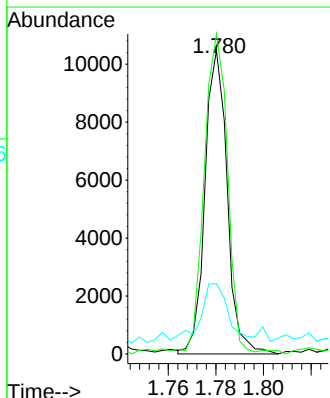
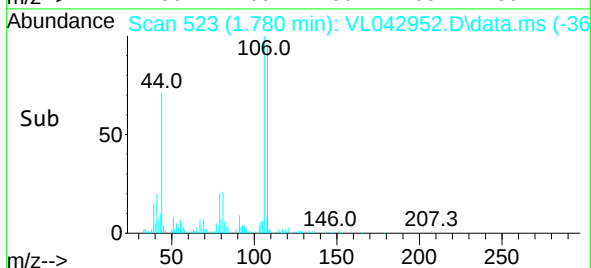
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

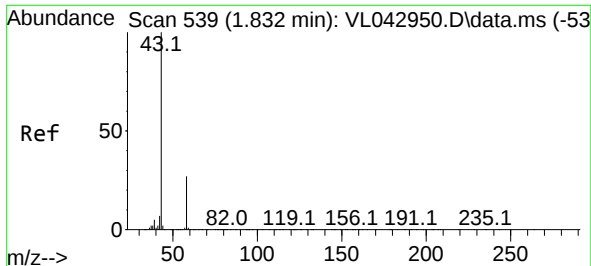


#14
Bromoethene
Concen: 1.049 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48



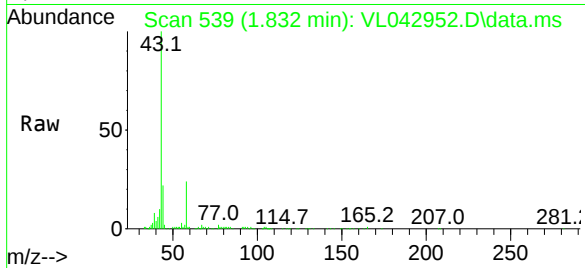
Tgt Ion:108 Resp: 6783
Ion Ratio Lower Upper
108 100
106 110.6 86.0 129.0
79 50.8 14.2 21.2





#15
Acetone
Concen: 1.192 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

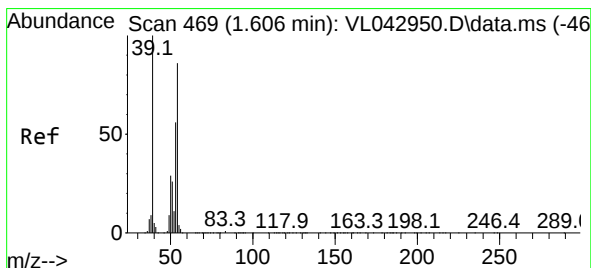
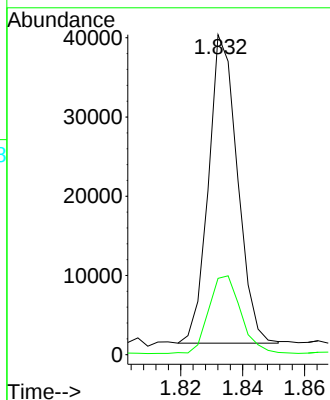
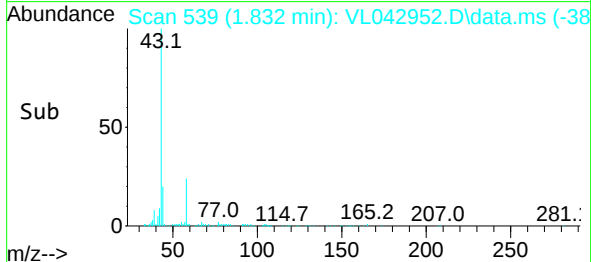
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



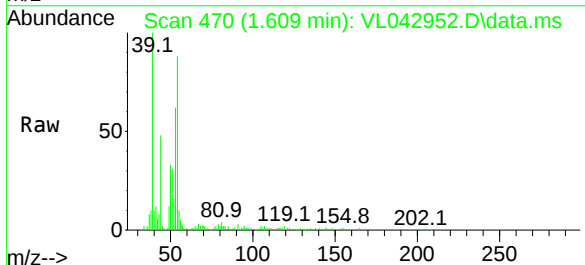
Tgt Ion: 43 Resp: 2527
Ion Ratio Lower Upper
43 100
58 28.3 22.3 33.5

Manual Integrations
APPROVED

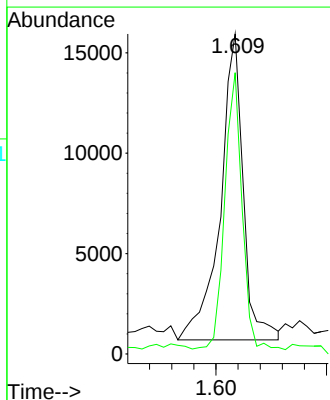
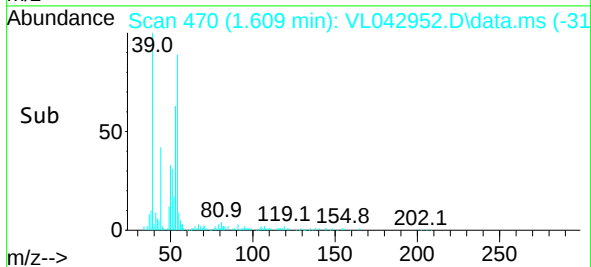
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

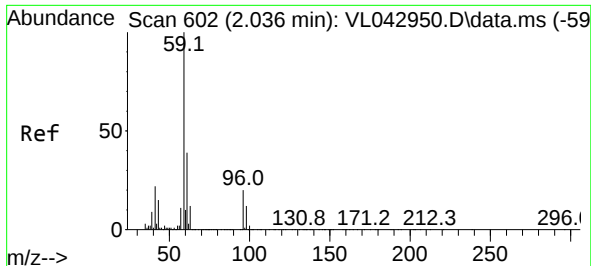


#16
1,3-Butadiene
Concen: 1.099 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48



Tgt Ion: 39 Resp: 10993
Ion Ratio Lower Upper
39 100
54 86.7 60.8 91.2





#17

tert-Butyl alcohol

Concen: 1.081 ppbv

RT: 2.039 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 59 Resp: 2514

Ion Ratio Lower Upper

59 100

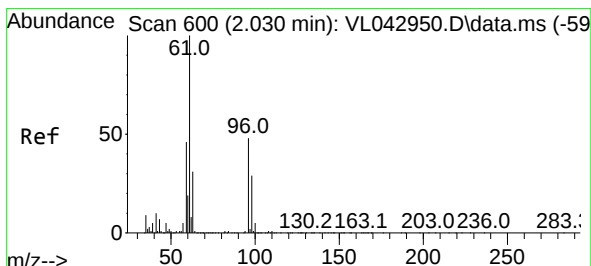
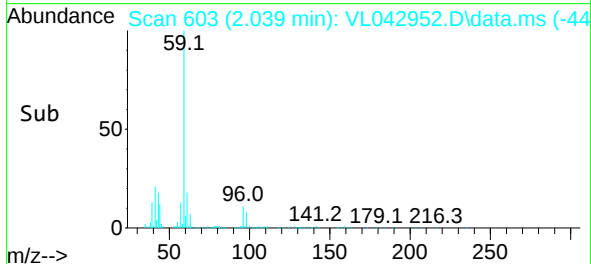
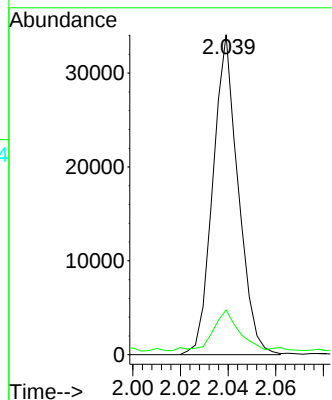
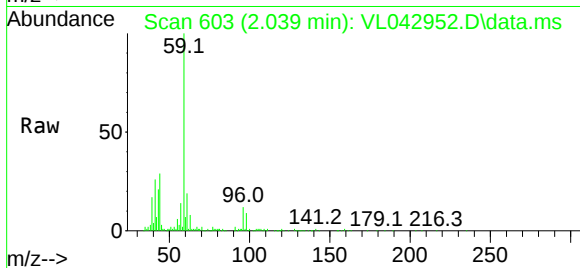
57 15.0 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#18

1,1-Dichloroethene

Concen: 1.035 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

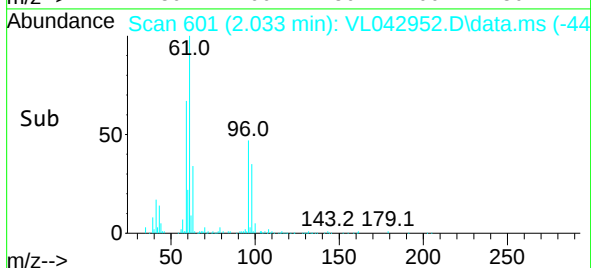
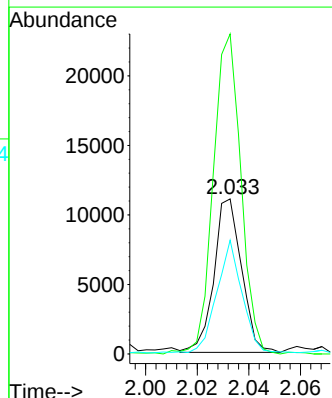
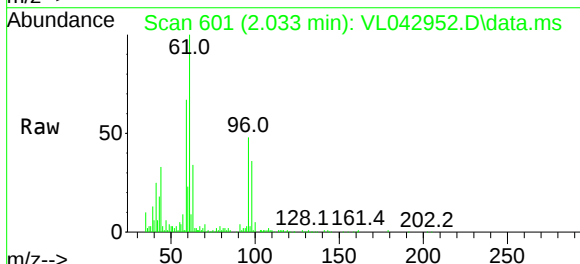
Tgt Ion: 96 Resp: 8192

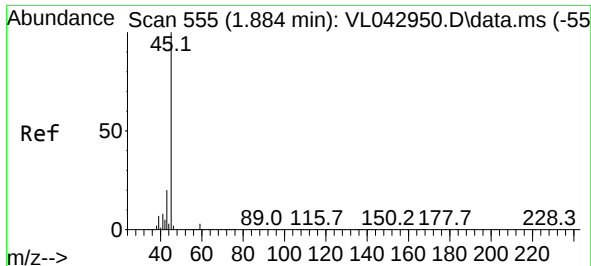
Ion Ratio Lower Upper

96 100

61 208.7 166.2 249.4

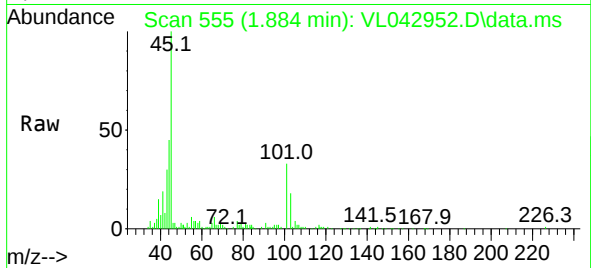
98 72.8 48.6 73.0





#19
Isopropyl Alcohol
Concen: 1.039 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

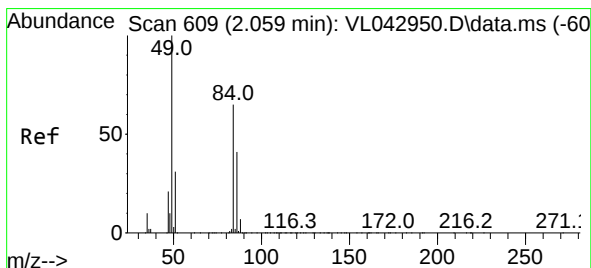
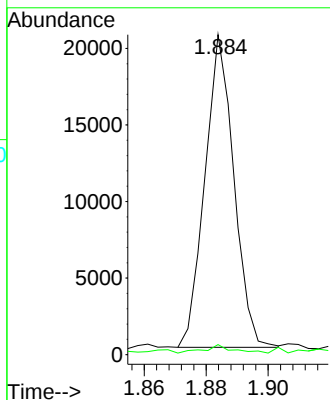
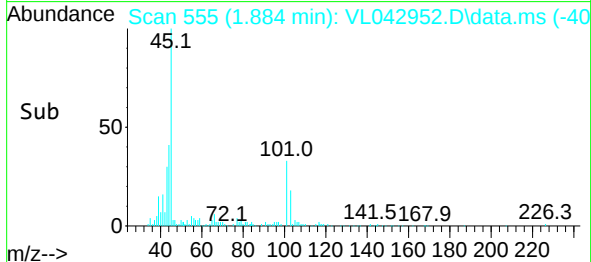
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



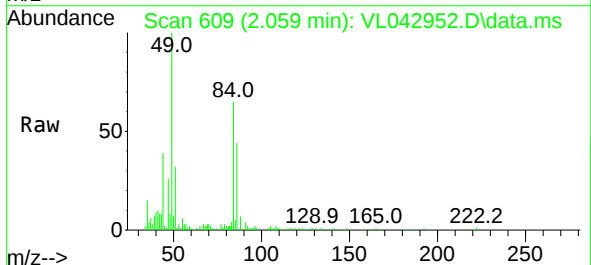
Tgt Ion: 45 Resp: 1324
Ion Ratio Lower Upper
45 100
58 2.6 31.0 46.6

Manual Integrations
APPROVED

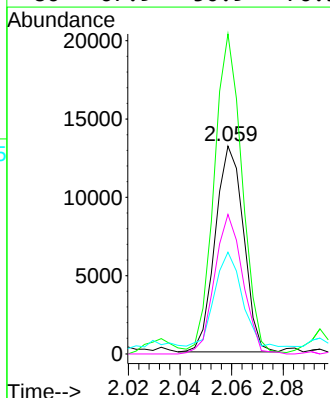
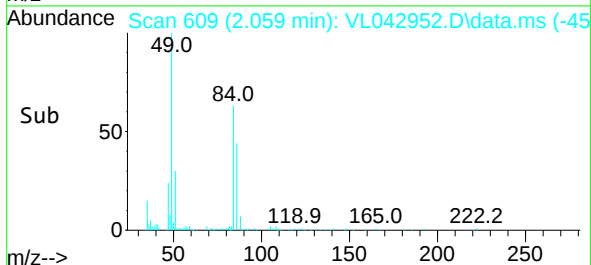
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

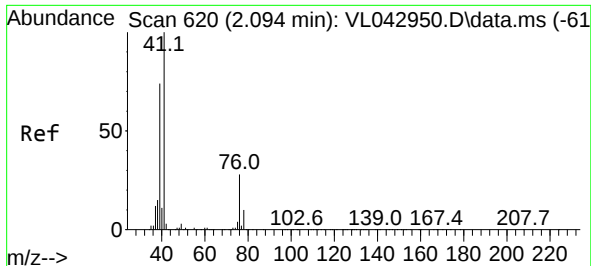


#20
Methylene Chloride
Concen: 0.985 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48



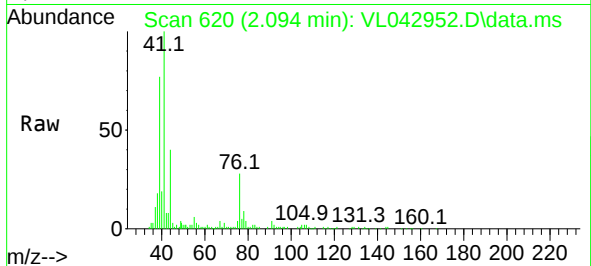
Tgt Ion: 84 Resp: 10045
Ion Ratio Lower Upper
84 100
49 154.6 124.1 186.1
51 45.9 39.8 59.8
86 67.9 50.9 76.3





#21
 Allyl Chloride
 Concen: 1.070 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

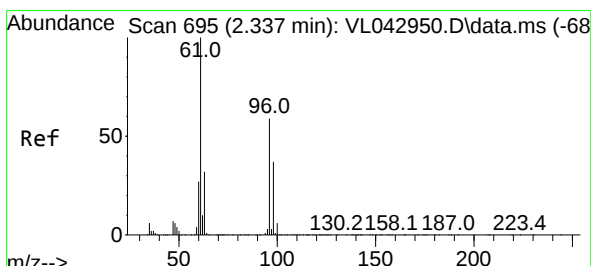
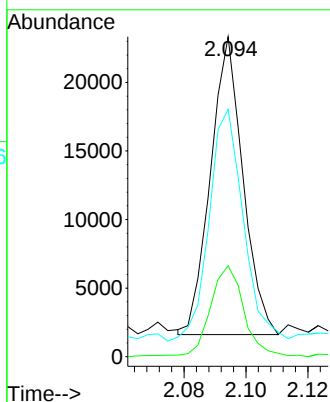
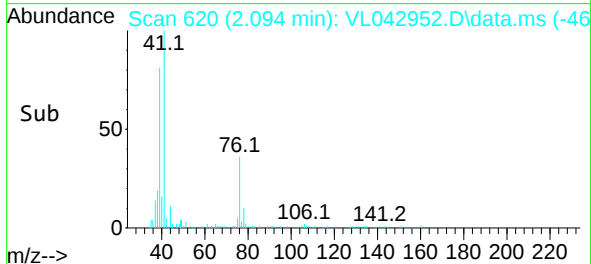
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001



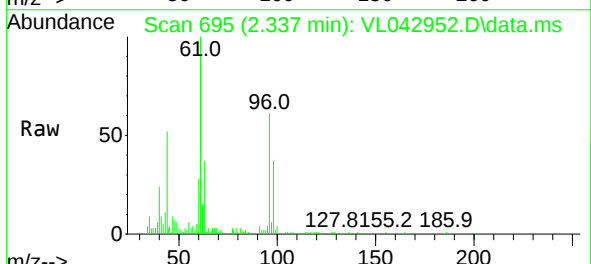
Tgt Ion: 41 Resp: 1580
 Ion Ratio Lower Upper
 41 100
 76 31.8 22.3 33.5
 39 80.7 61.3 91.9

Manual Integrations
 APPROVED

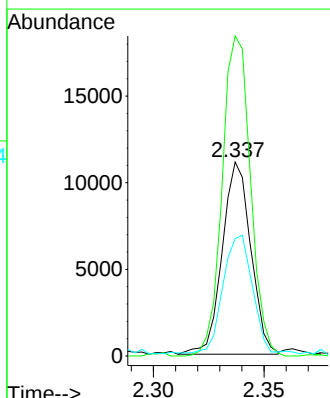
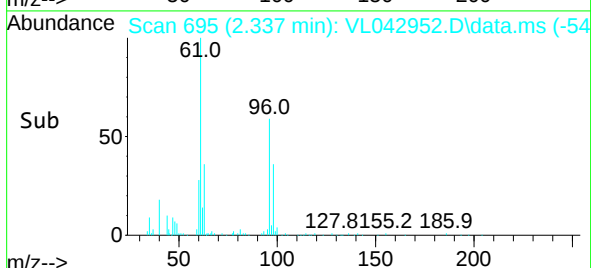
Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025

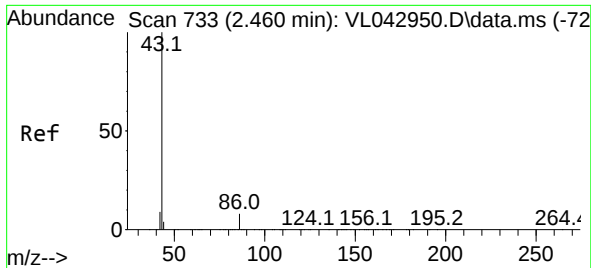


#22
 trans-1,2-Dichloroethene
 Concen: 1.108 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.000 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48



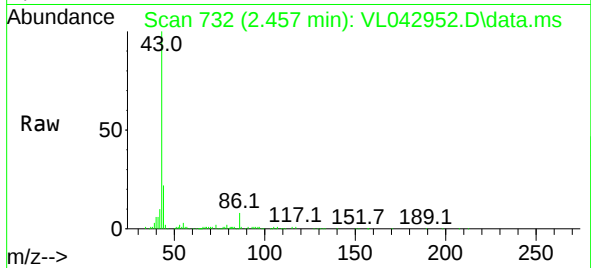
Tgt Ion: 96 Resp: 9960
 Ion Ratio Lower Upper
 96 100
 61 166.5 136.5 204.7
 98 59.4 50.6 76.0





#23
 Vinyl Acetate
 Concen: 1.020 ppbv
 RT: 2.457 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

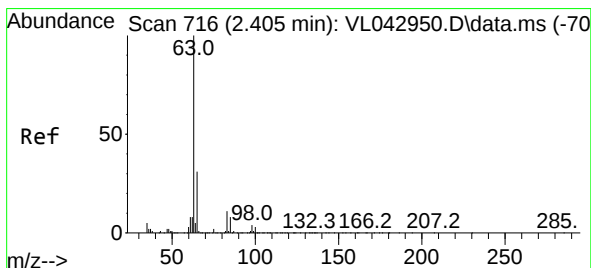
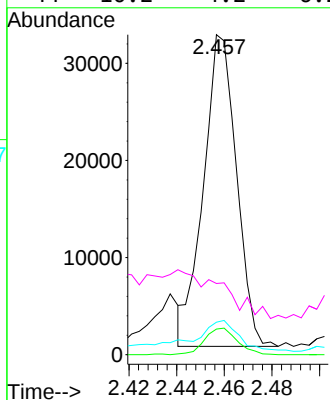
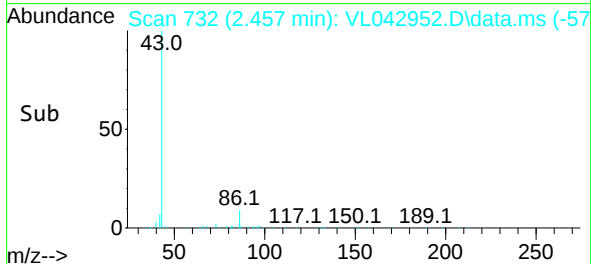
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 43 Resp: 30884
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.2 9.2
 42 9.0 7.4 11.0
 44 10.2 4.2 6.2#

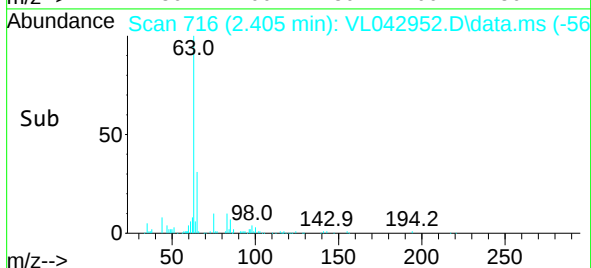
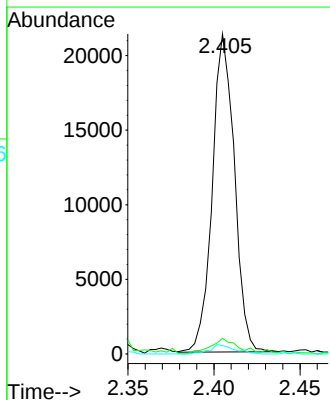
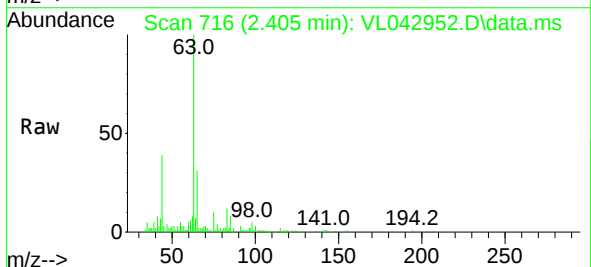
Manual Integrations
 APPROVED

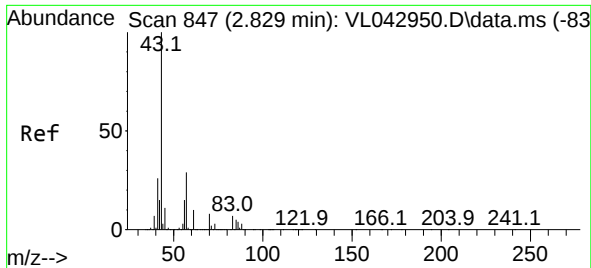
Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025



#24
 1,1-Dichloroethane
 Concen: 1.082 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

Tgt Ion: 63 Resp: 19077
 Ion Ratio Lower Upper
 63 100
 98 4.7 2.2 6.6
 100 2.6 1.4 4.0





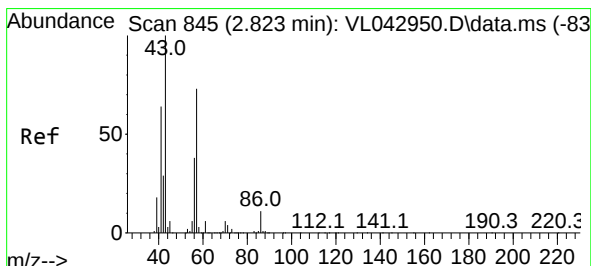
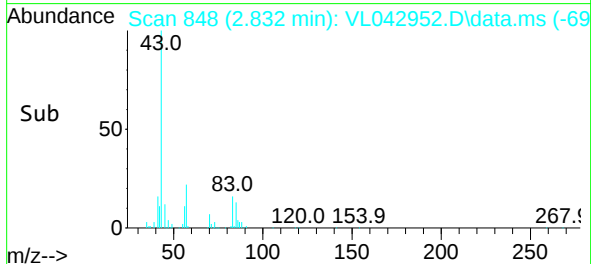
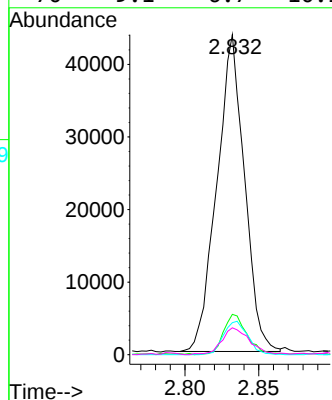
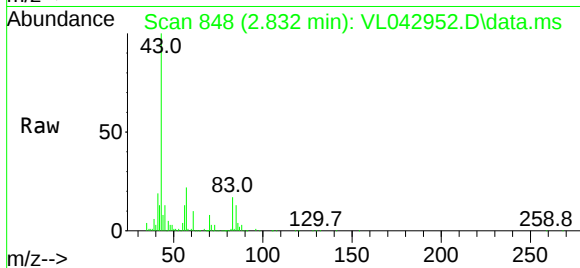
#25
Ethyl Acetate
Concen: 1.061 ppbv
RT: 2.832 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43	Resp: 5687
Ion Ratio	Lower Upper
43 100	
45 11.4	7.7 11.5
61 9.3	7.1 10.7
70 9.1	6.7 10.1

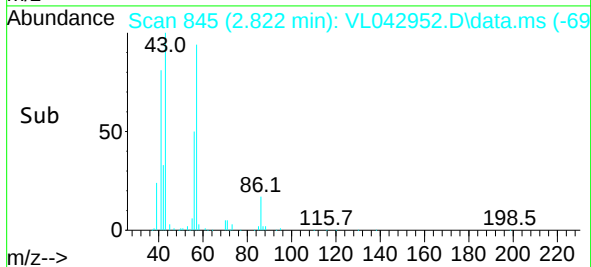
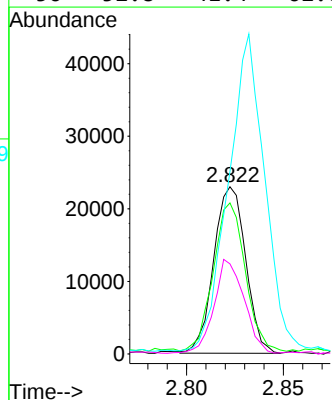
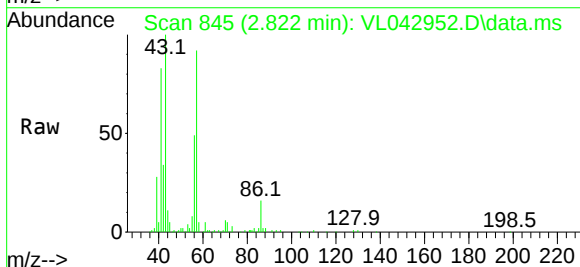
Manual Integrations
APPROVED

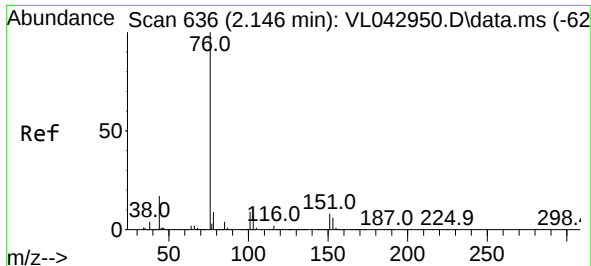
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#26
Hexane
Concen: 1.076 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

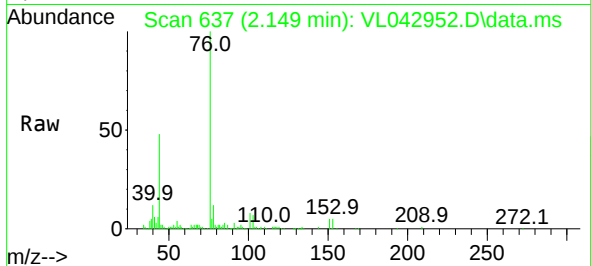
Tgt Ion: 57	Resp: 26276
Ion Ratio	Lower Upper
57 100	
41 95.7	71.7 107.5
43 221.0	180.8 271.2
56 52.8	41.4 62.0





#27
Carbon Disulfide
Concen: 1.067 ppbv
RT: 2.149 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

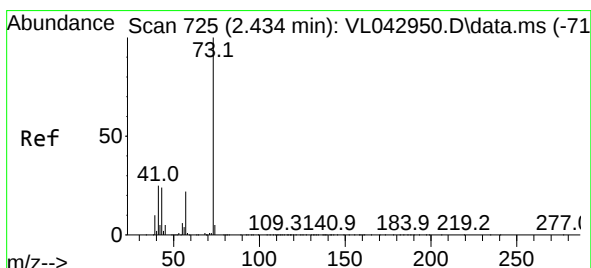
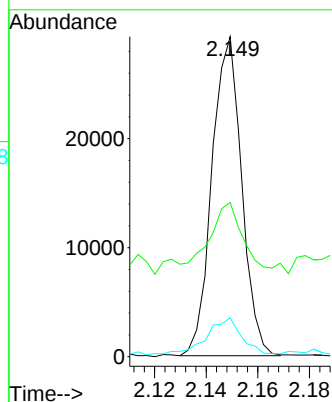
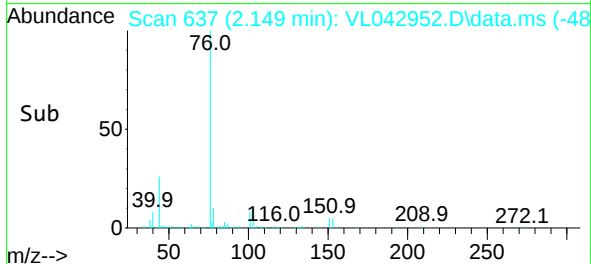
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 76 Resp: 2337
Ion Ratio Lower Upper
76 100
44 66.3 15.6 23.4
78 14.2 8.9 13.3

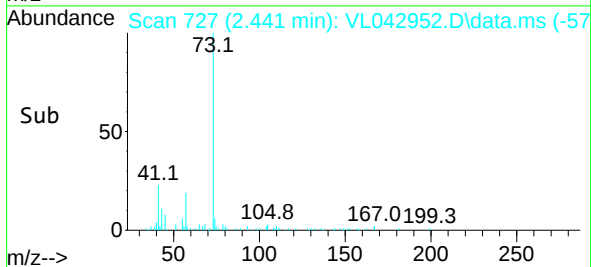
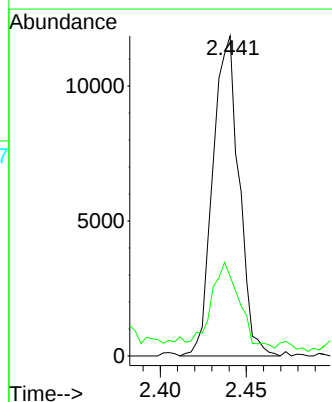
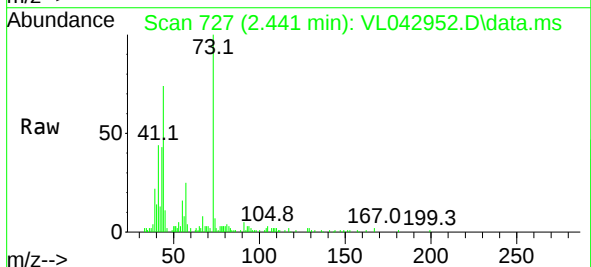
Manual Integrations
APPROVED

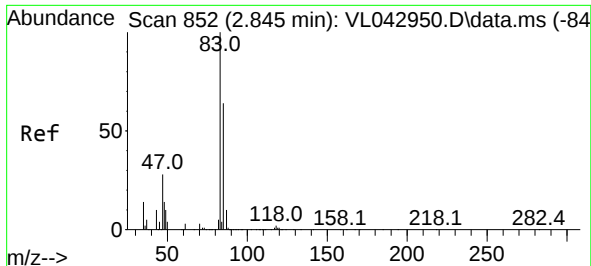
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#28
Methyl tert-Butyl Ether
Concen: 0.991 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.006 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion: 73 Resp: 12580
Ion Ratio Lower Upper
73 100
57 33.0 20.6 31.0





#29

Chloroform

Concen: 1.041 ppbv

RT: 2.842 min Scan# 851

Delta R.T. -0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 83 Resp: 33240

Ion Ratio Lower Upper

83 100

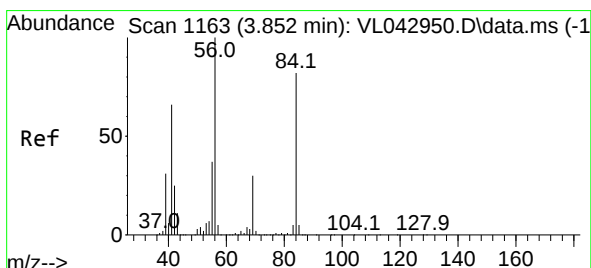
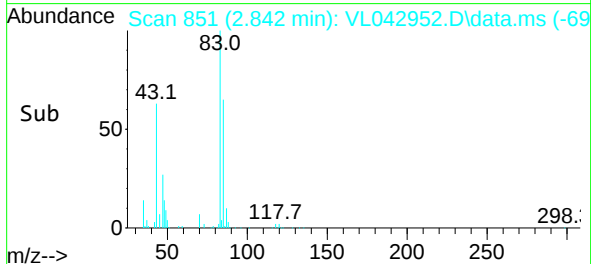
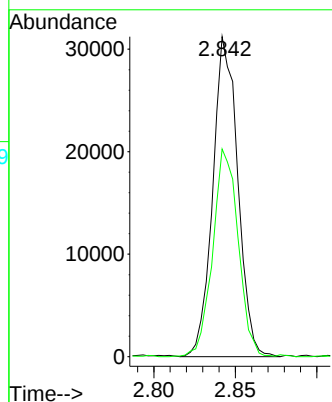
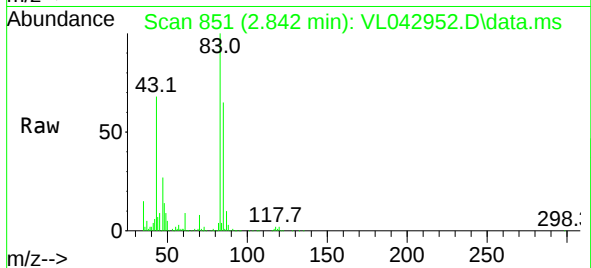
85 64.7 51.2 76.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#30

Cyclohexane

Concen: 1.063 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

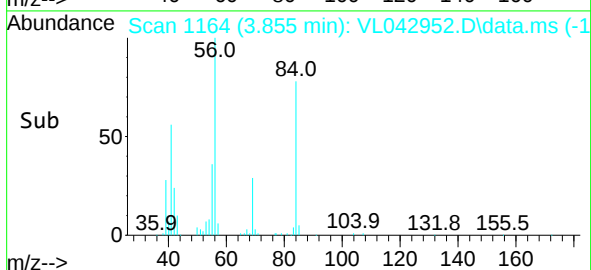
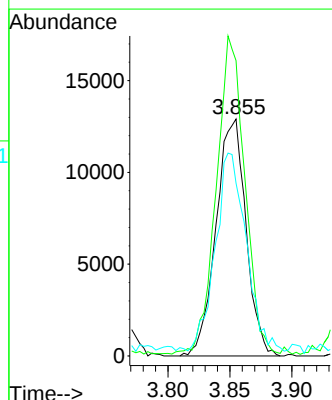
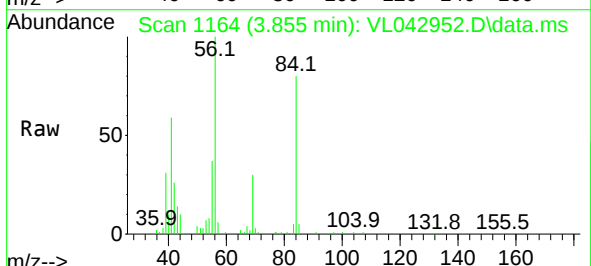
Tgt Ion: 84 Resp: 21707

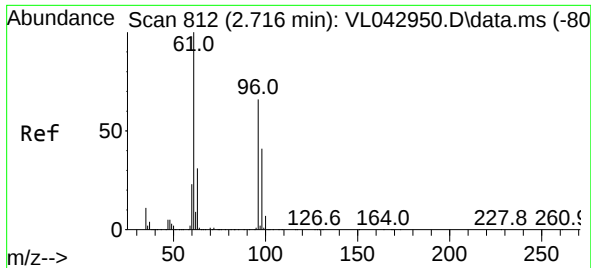
Ion Ratio Lower Upper

84 100

56 127.5 102.2 153.4

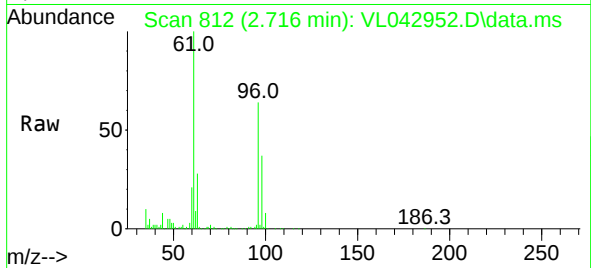
41 86.0 65.6 98.4





#31
 cis-1,2-Dichloroethene
 Concen: 1.041 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

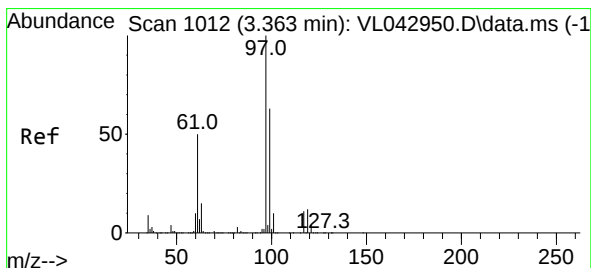
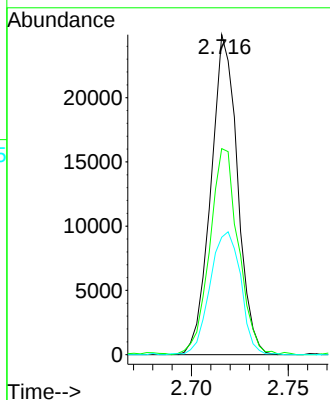
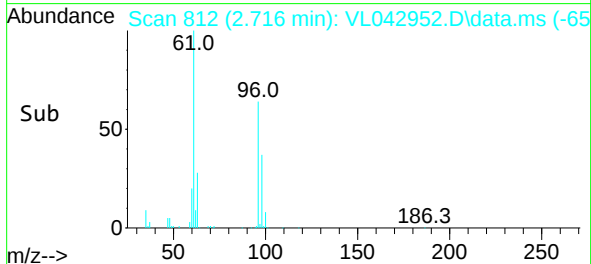
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



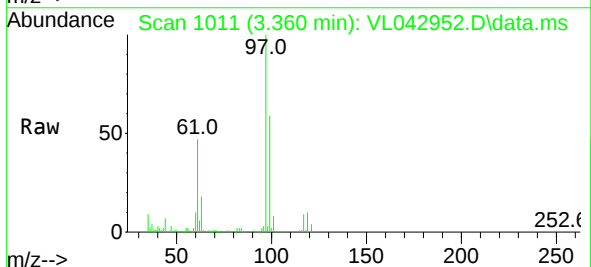
Tgt Ion: 61 Resp: 23828
 Ion Ratio Lower Upper
 61 100
 96 64.2 53.0 79.6
 98 36.4 32.9 49.3

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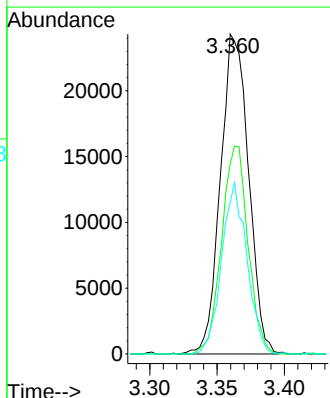
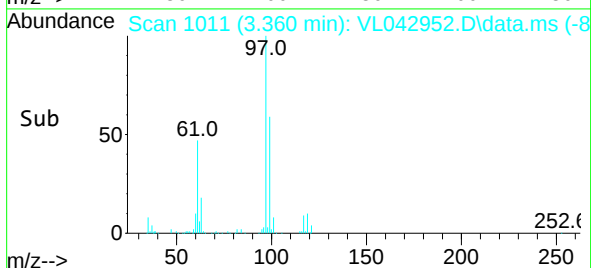
Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025

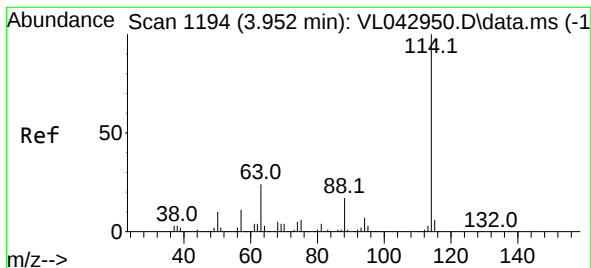


#32
 1,1,1-Trichloroethane
 Concen: 1.018 ppbv
 RT: 3.360 min Scan# 1011
 Delta R.T. -0.003 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48



Tgt Ion: 97 Resp: 35233
 Ion Ratio Lower Upper
 97 100
 99 61.1 51.1 76.7
 61 48.3 39.8 59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

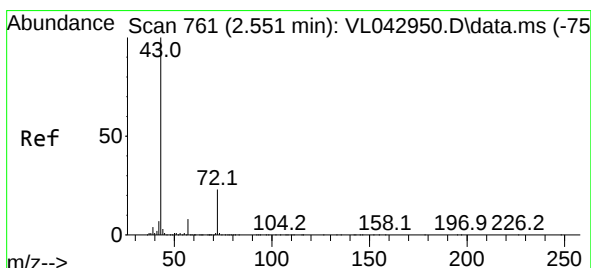
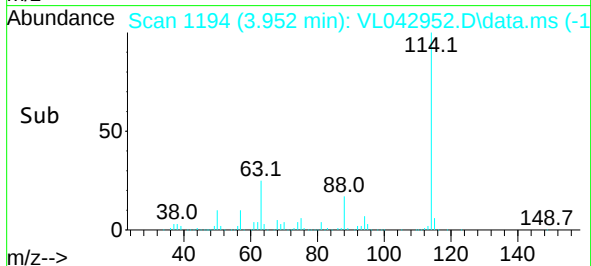
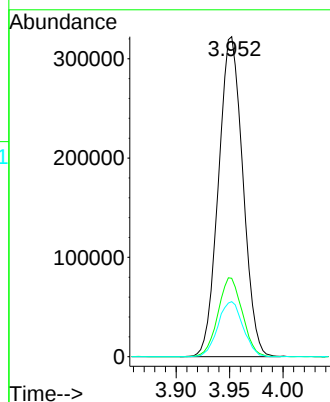
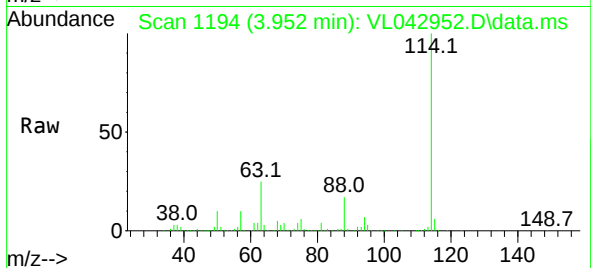
VSTDIC001

Tgt Ion:114	Resp: 51176
Ion Ratio	Lower Upper
114 100	
63 24.6	19.4 29.2
88 17.6	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: 1.044 ppbv

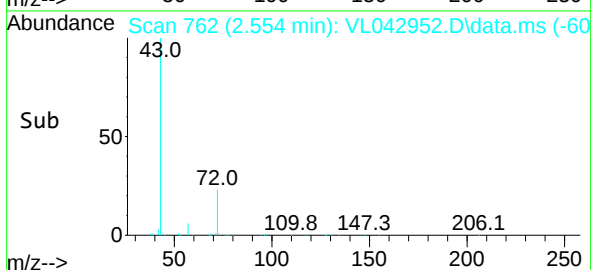
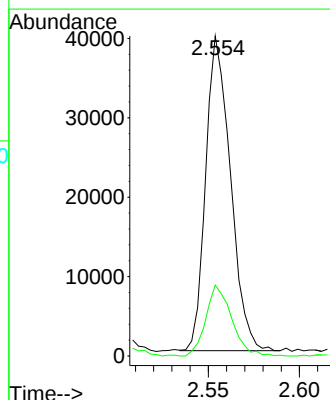
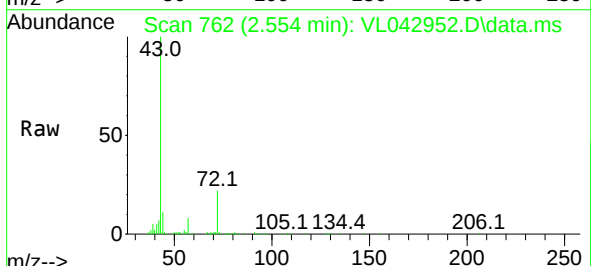
RT: 2.554 min Scan# 762

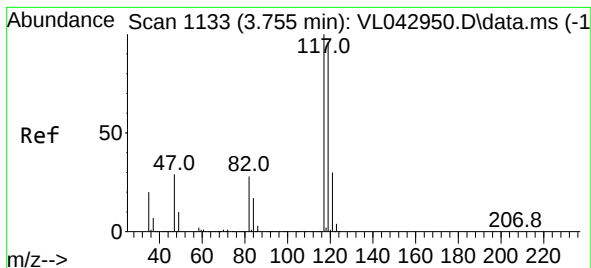
Delta R.T. 0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Tgt Ion: 43	Resp: 37431
Ion Ratio	Lower Upper
43 100	
72 23.4	17.7 26.5





#35

Carbon Tetrachloride

Concen: 1.033 ppbv

RT: 3.758 min Scan# 1133

Delta R.T. 0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

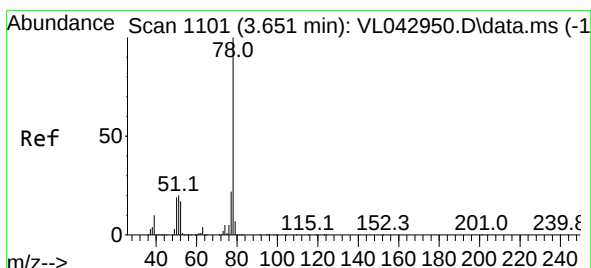
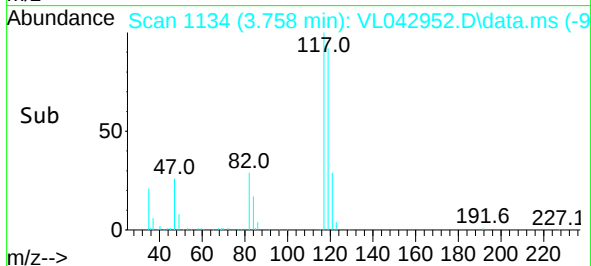
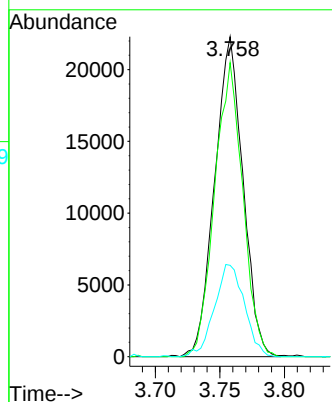
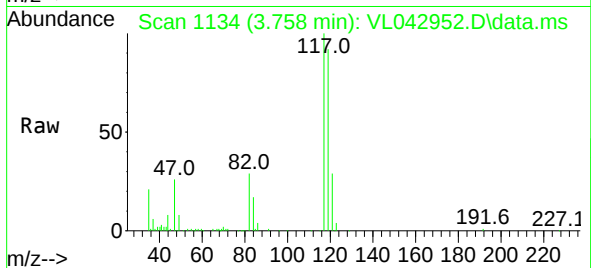
Tgt Ion:	117	Resp:	34010
Ion	Ratio	Lower	Upper
117	100		
119	91.9	76.9	115.3
121	28.5	23.7	35.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#36

Benzene

Concen: 1.033 ppbv

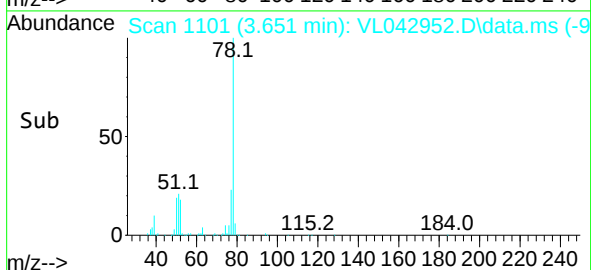
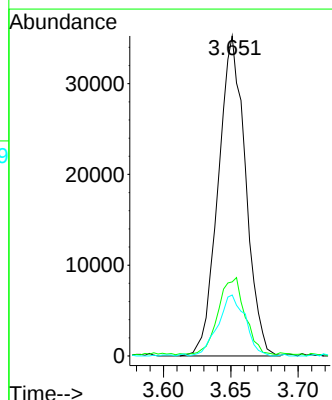
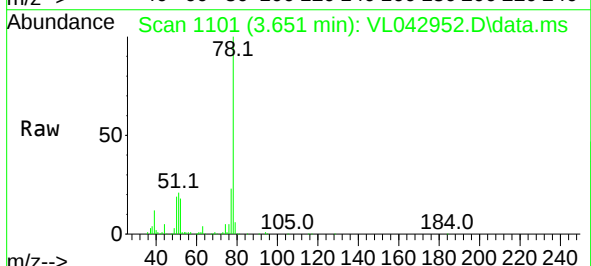
RT: 3.651 min Scan# 1101

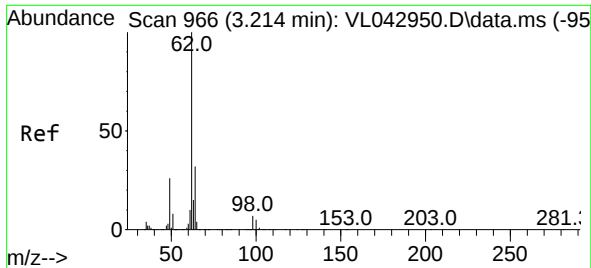
Delta R.T. -0.000 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

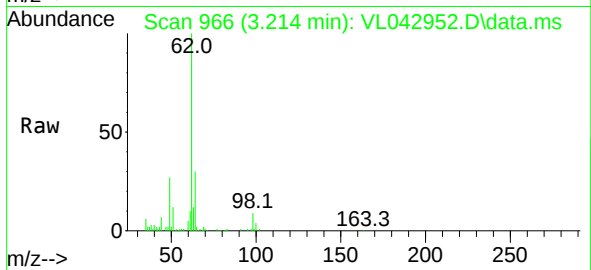
Tgt Ion:	78	Resp:	49652
Ion	Ratio	Lower	Upper
78	100		
77	22.4	17.8	26.6
50	18.8	15.0	22.4





#37
1,2-Dichloroethane
Concen: 1.048 ppbv
RT: 3.214 min Scan# 966
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

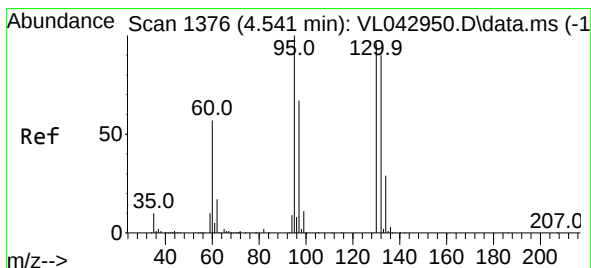
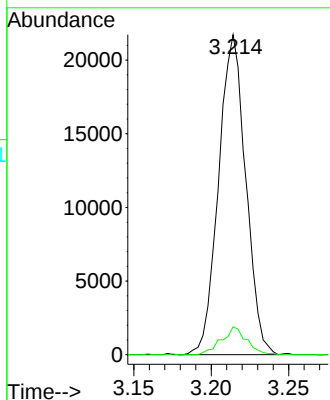
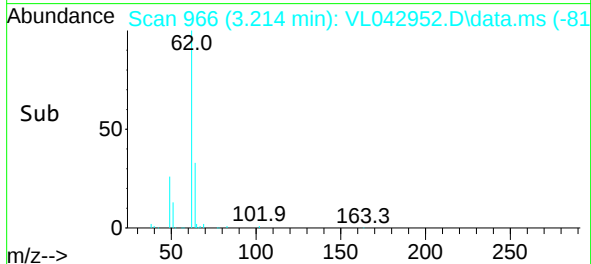
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



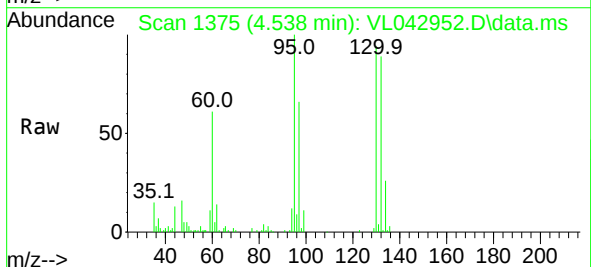
Tgt Ion: 62 Resp: 2648
Ion Ratio Lower Upper
62 100
98 8.0 5.9 8.9

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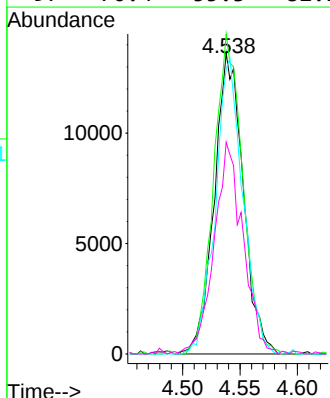
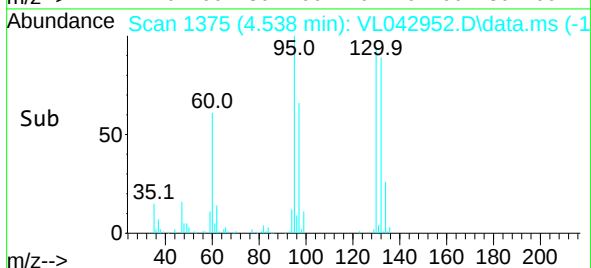
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

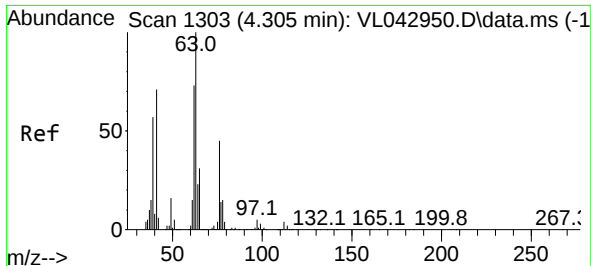


#38
Trichloroethene
Concen: 1.001 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48



Tgt Ion:130 Resp: 23906
Ion Ratio Lower Upper
130 100
95 106.0 83.0 124.4
132 94.7 74.6 112.0
97 70.4 55.3 82.9





#39

1,2-Dichloropropane

Concen: 1.053 ppbv m

RT: 4.311 min Scan# 1305

Delta R.T. 0.006 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

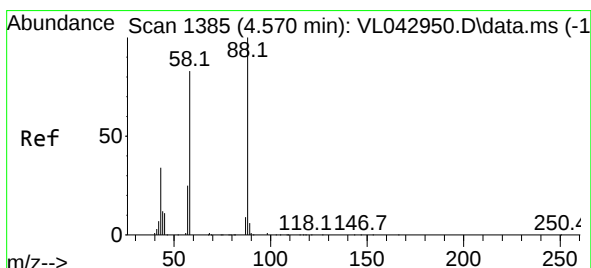
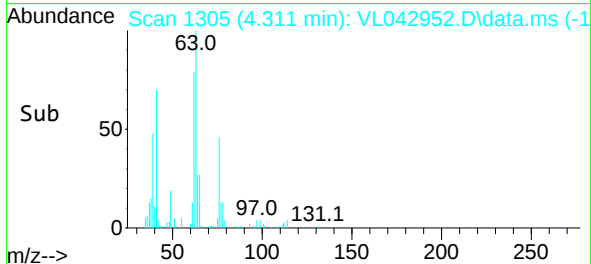
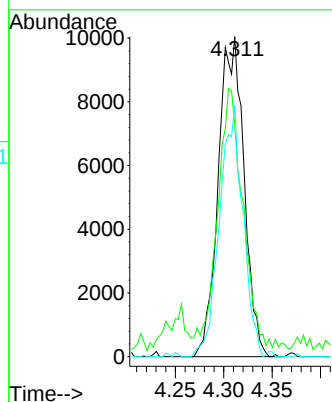
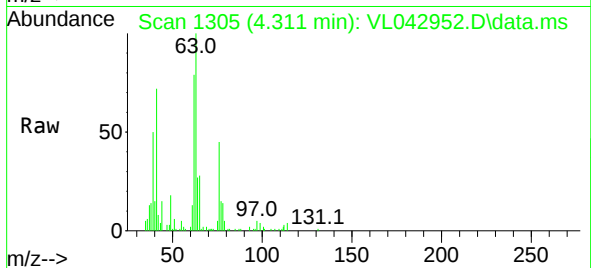
VSTDICC001

Tgt Ion:	63	Resp:	1849
Ion	Ratio	Lower	Upper
63	100		
41	72.4	57.5	86.3
62	78.6	58.5	87.7

Manual Integrations

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



#40

1,4-Dioxane

Concen: 1.080 ppbv m

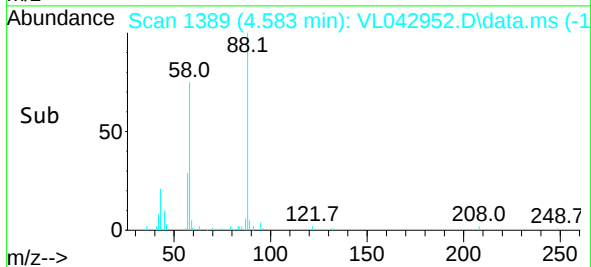
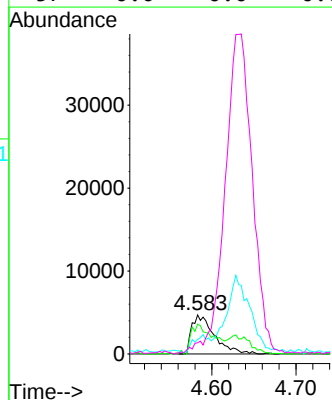
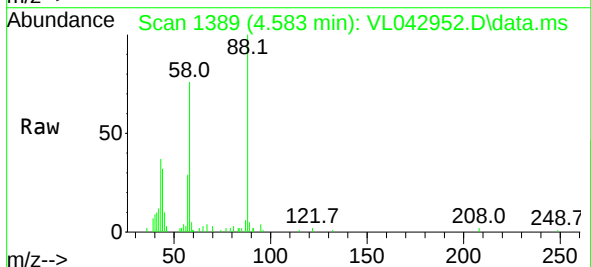
RT: 4.583 min Scan# 1389

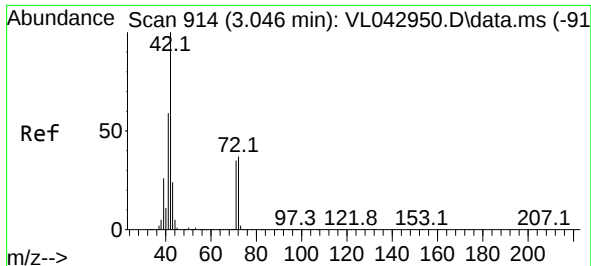
Delta R.T. 0.013 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

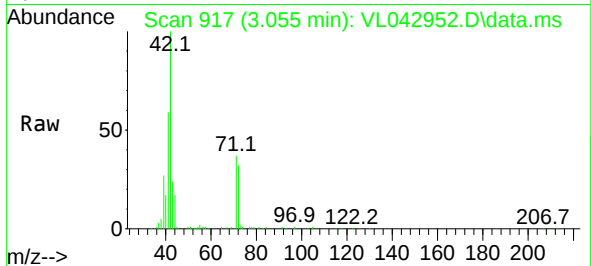
Tgt Ion:	88	Resp:	8804
Ion	Ratio	Lower	Upper
88	100		
58	76.4	59.7	89.5
43	9.7	28.9	43.3
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 1.011 ppbv
RT: 3.055 min Scan# 914
Delta R.T. 0.009 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

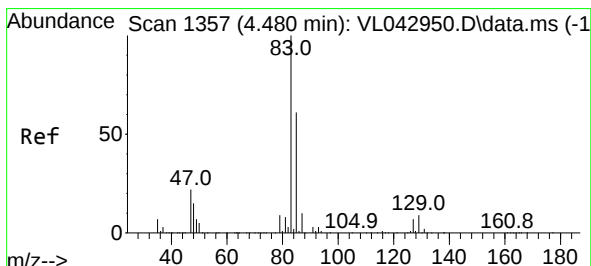
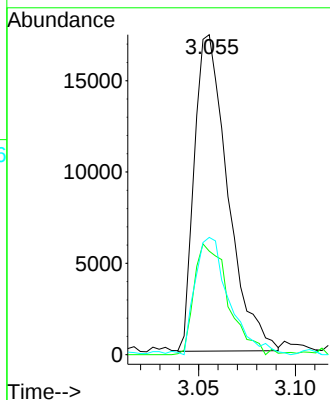
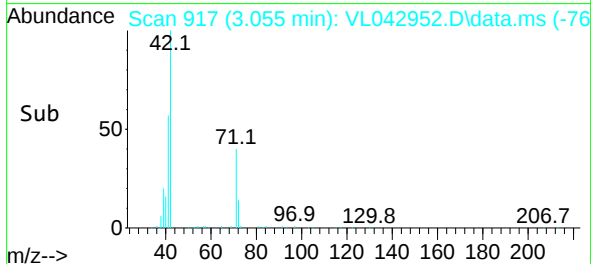
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



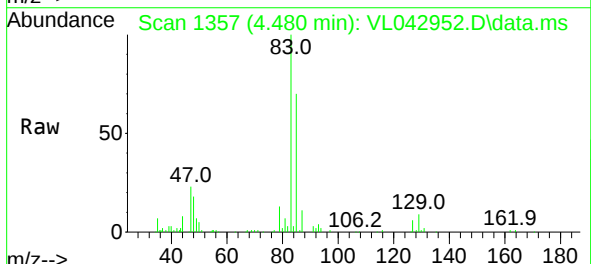
Tgt Ion: 42 Resp: 2084
Ion Ratio Lower Upper
42 100
72 37.0 30.0 45.0
71 37.4 28.8 43.2

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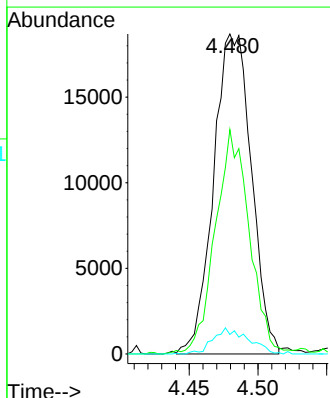
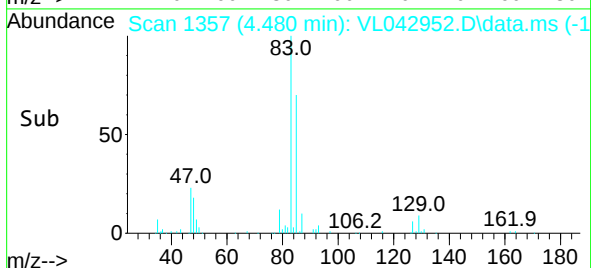
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

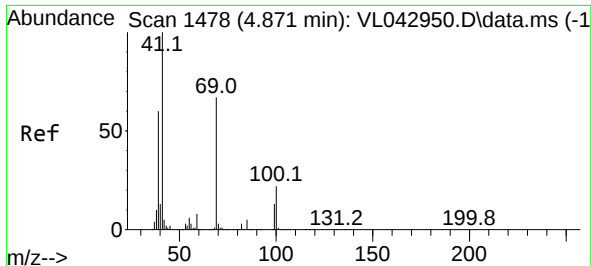


#42
Bromodichloromethane
Concen: 1.016 ppbv m
RT: 4.480 min Scan# 1357
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48



Tgt Ion: 83 Resp: 35768
Ion Ratio Lower Upper
83 100
85 70.1 49.0 73.6
127 6.1 5.3 7.9





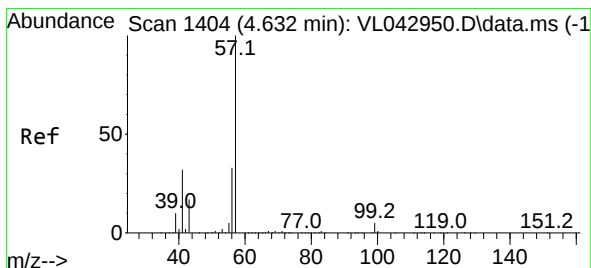
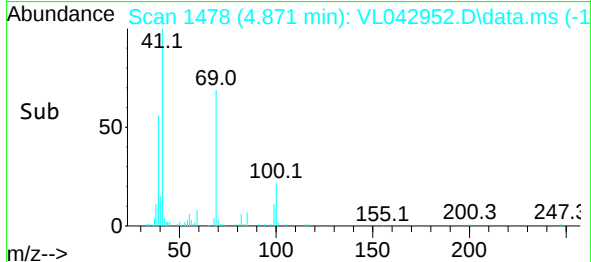
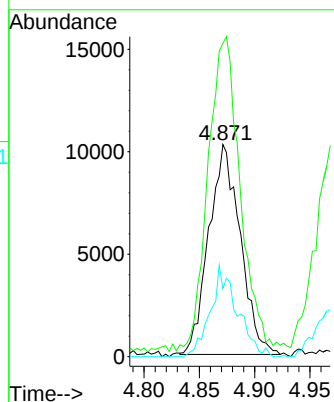
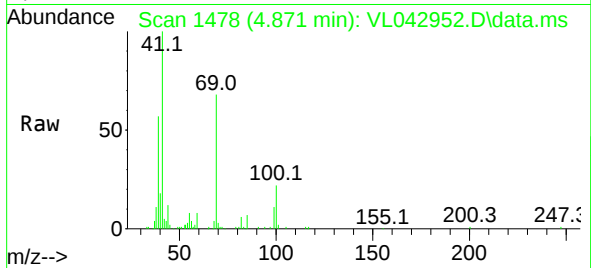
#43
Methyl Methacrylate
Concen: 1.040 ppbv
RT: 4.871 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Instrument : MSVOA_L
ClientSampleId : VSTDIC001

Tgt Ion: 69 Resp: 20289
Ion Ratio Lower Upper
69 100
41 152.1 124.5 186.7
100 36.8 29.0 43.6

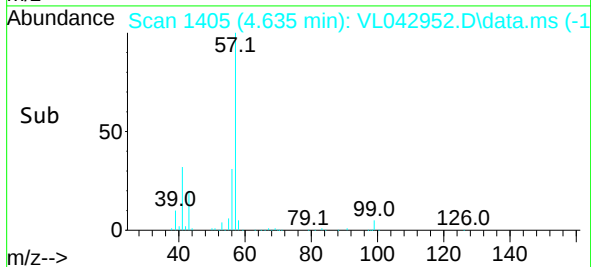
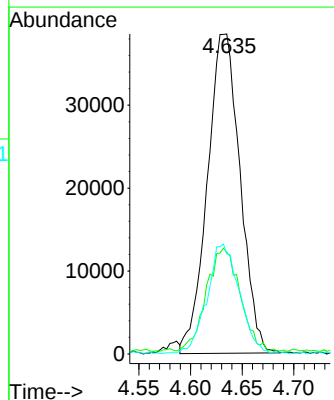
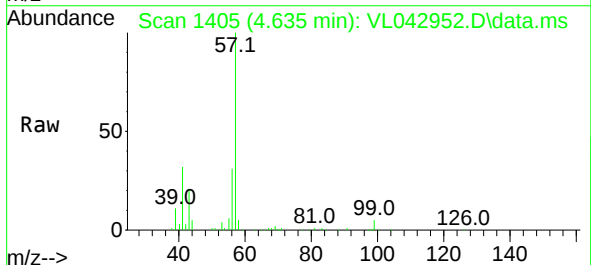
Manual Integrations
APPROVED

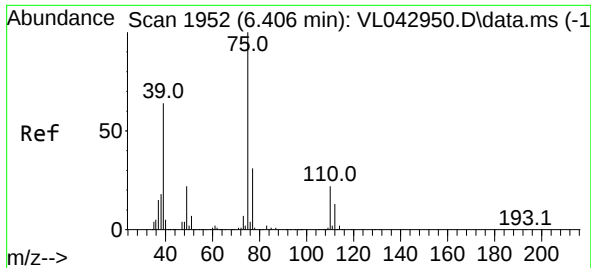
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#44
2,2,4-Trimethylpentane
Concen: 1.023 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion: 57 Resp: 84970
Ion Ratio Lower Upper
57 100
41 34.1 25.5 38.3
56 34.4 25.8 38.8





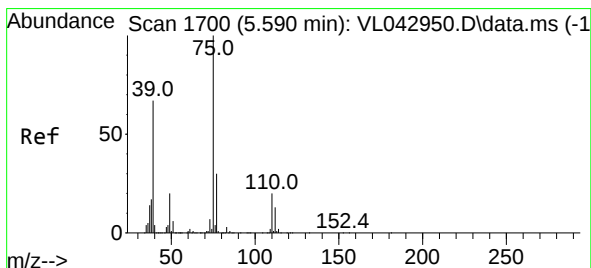
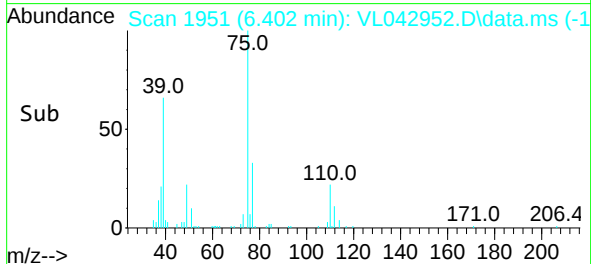
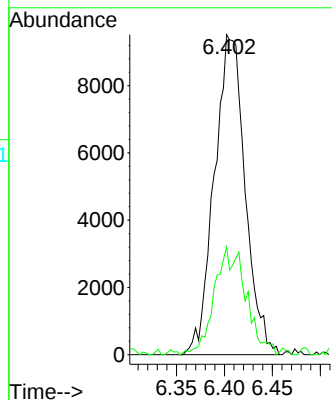
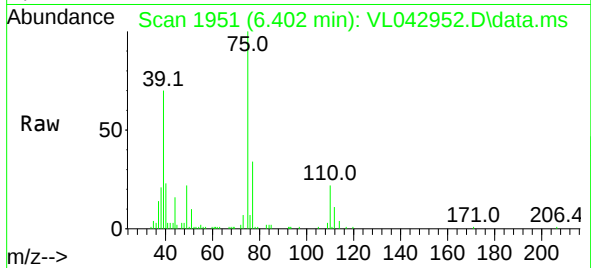
#45
 t-1,3-Dichloropropene
 Concen: 1.011 ppbv m
 RT: 6.402 min Scan# 1952
 Delta R.T. -0.003 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 75 Resp: 21210
 Ion Ratio Lower Upper
 75 100
 77 33.7 25.0 37.4

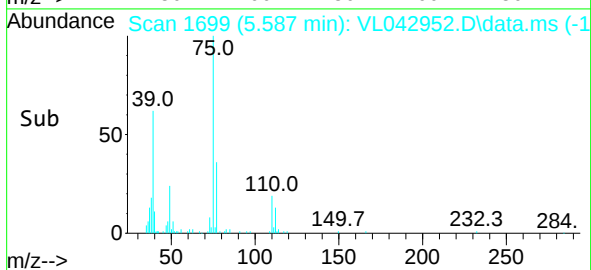
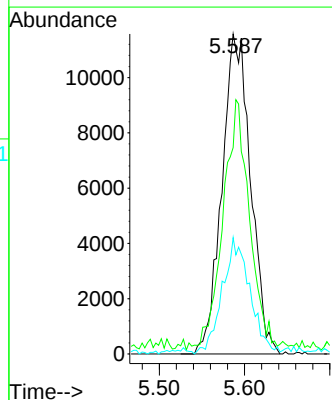
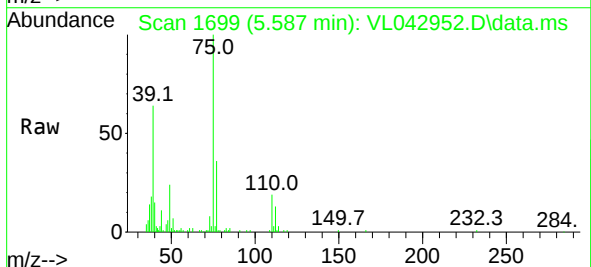
Manual Integrations
 APPROVED

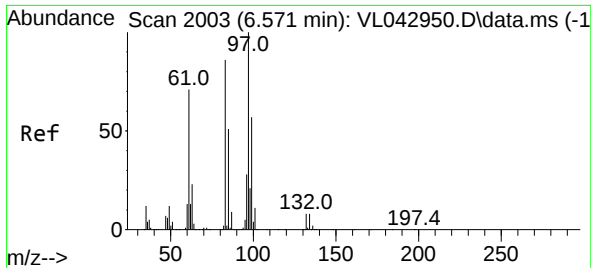
Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025



#46
 cis-1,3-Dichloropropene
 Concen: 1.011 ppbv m
 RT: 5.587 min Scan# 1699
 Delta R.T. -0.003 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

Tgt Ion: 75 Resp: 27025
 Ion Ratio Lower Upper
 75 100
 39 64.5 53.8 80.6
 77 36.4 23.6 35.4#





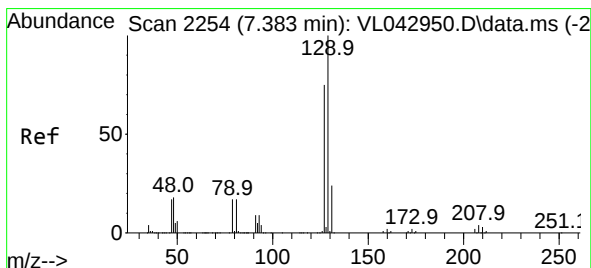
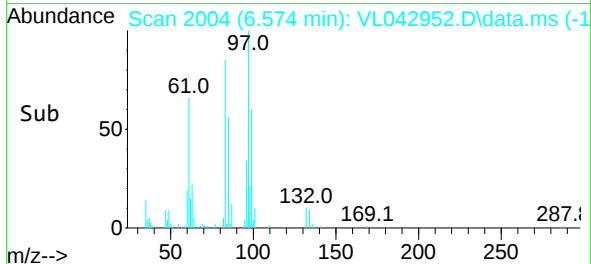
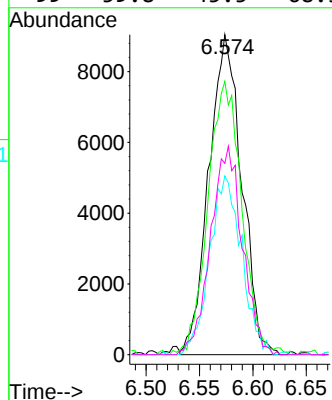
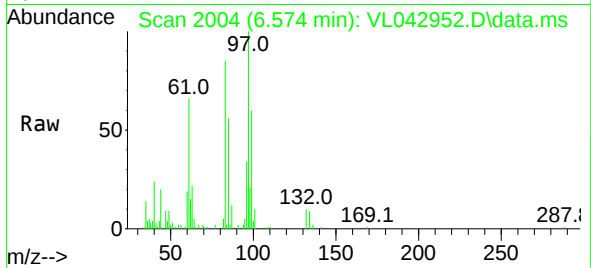
#47
1,1,2-Trichloroethane
Concen: 1.041 ppbv
RT: 6.574 min Scan# 2003
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.7	103.1
85	55.9	40.6	60.8
99	59.8	45.5	68.3

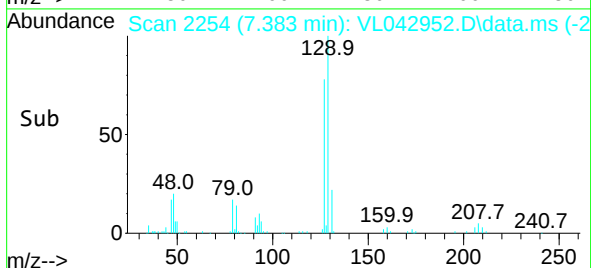
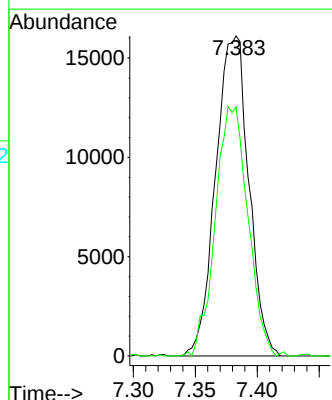
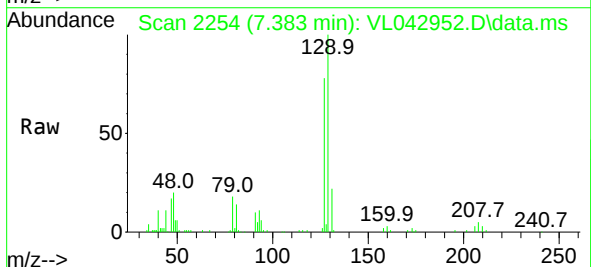
Manual Integrations
APPROVED

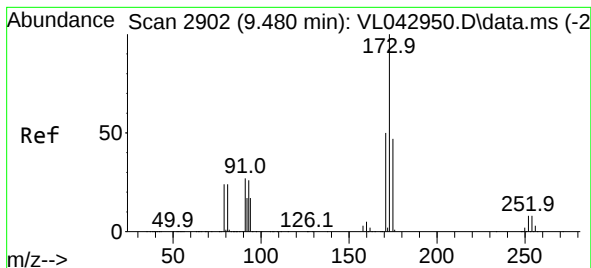
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#48
Dibromochloromethane
Concen: 1.012 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.1	117.2





#49

Bromoform

Concen: 1.005 ppbv

RT: 9.477 min Scan# 2902

Delta R.T. -0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

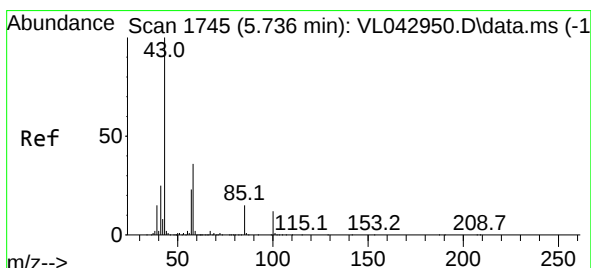
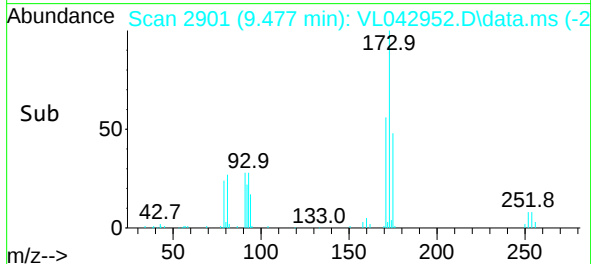
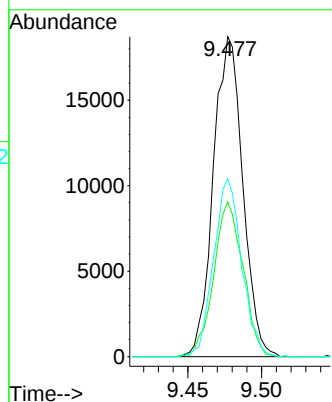
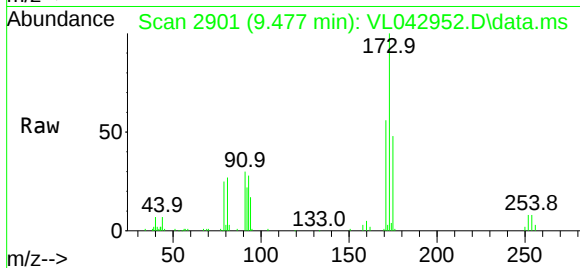
VSTDICC001

Tgt Ion:	173	Resp:	25929
Ion Ratio	Lower	Upper	
173	100		
175	48.2	37.9	56.9
171	53.2	41.1	61.7

Manual Integrations

APPROVED

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



#50

4-Methyl-2-Pentanone

Concen: 1.007 ppbv

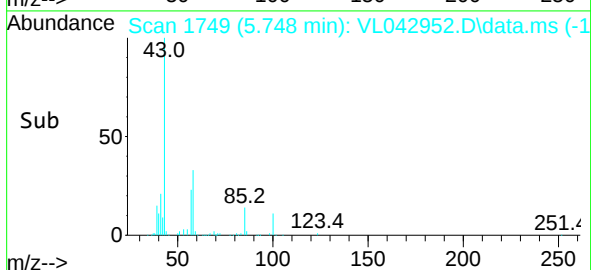
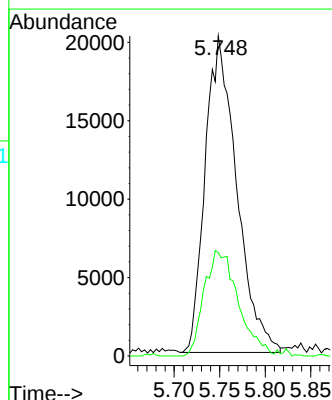
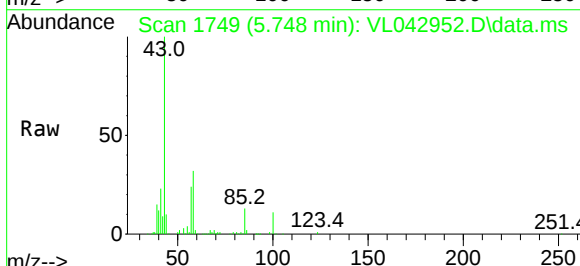
RT: 5.748 min Scan# 1749

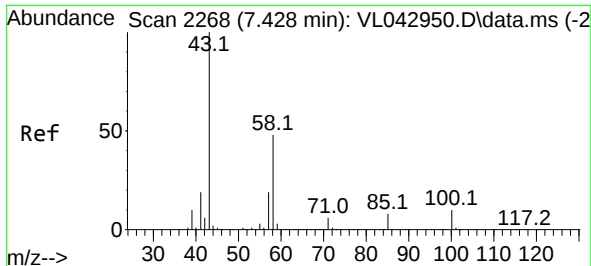
Delta R.T. 0.013 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

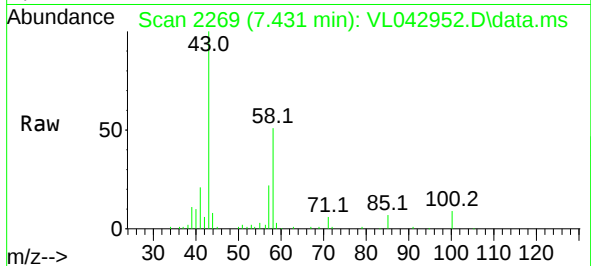
Tgt Ion:	43	Resp:	48546
Ion Ratio	Lower	Upper	
43	100		
58	36.5	28.4	42.6





#51
2-Hexanone
Concen: 1.034 ppbv
RT: 7.431 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

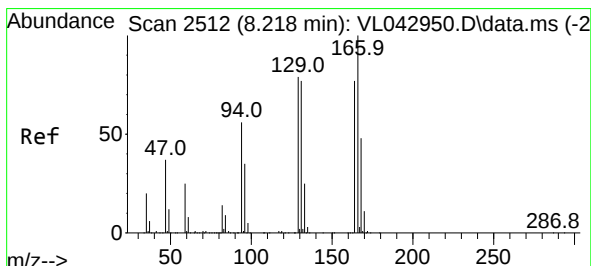
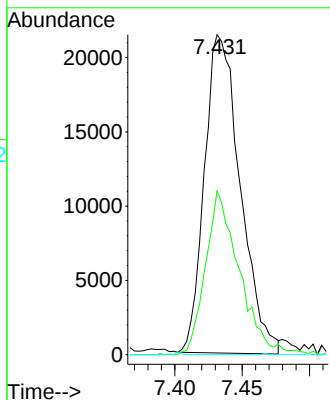
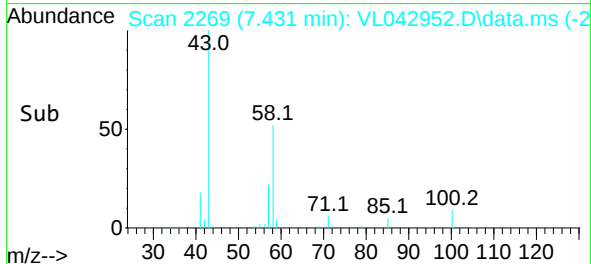
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 43 Resp: 3962
Ion Ratio Lower Upper
43 100
58 48.6 39.7 59.5
98 0.1 0.1 0.1

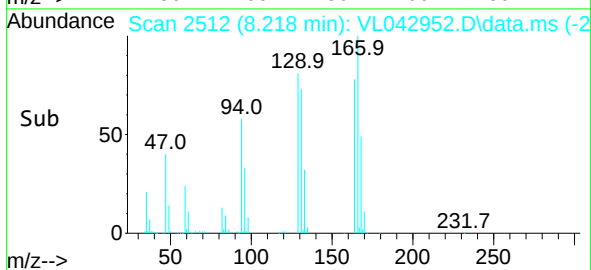
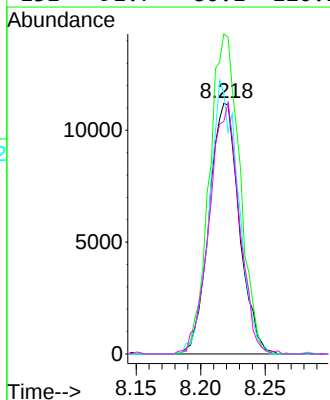
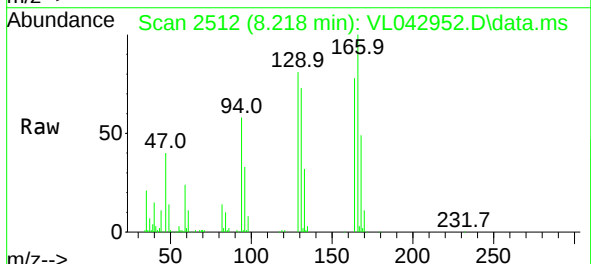
Manual Integrations
APPROVED

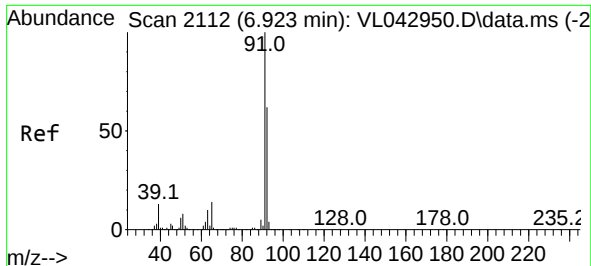
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#52
Tetrachloroethene
Concen: 0.978 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

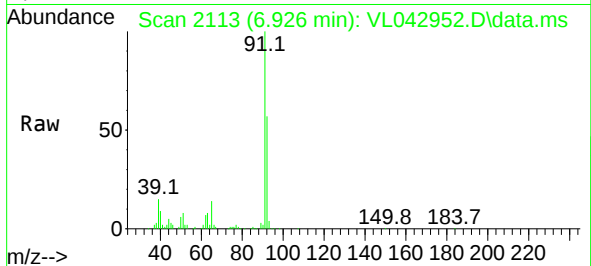
Tgt Ion:164 Resp: 18188
Ion Ratio Lower Upper
164 100
166 127.7 103.5 155.3
129 104.0 82.2 123.4
131 91.7 80.1 120.1





#53
Toluene
Concen: 1.023 ppbv
RT: 6.926 min Scan# 2113
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

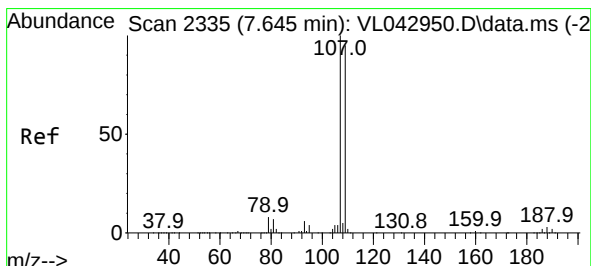
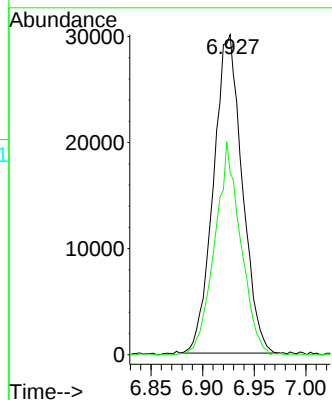
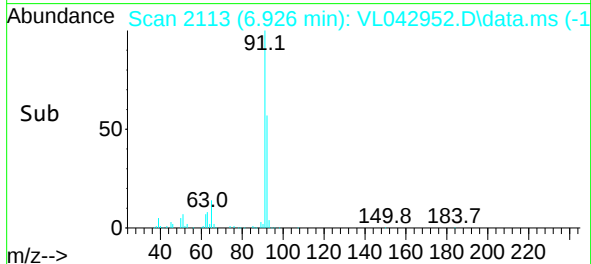
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



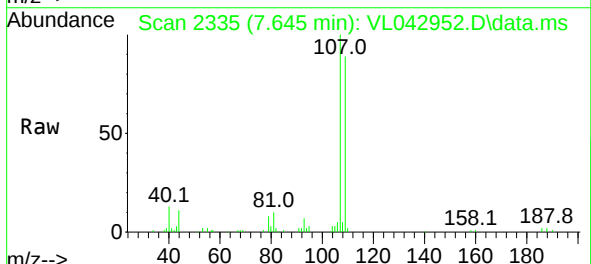
Tgt Ion: 91 Resp: 58200
Ion Ratio Lower Upper
91 100
92 60.4 48.2 72.2

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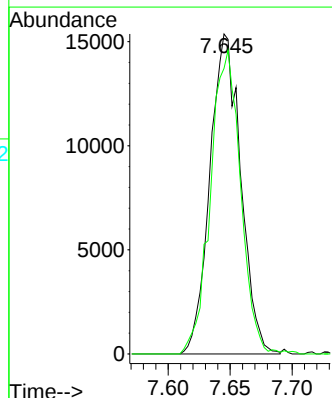
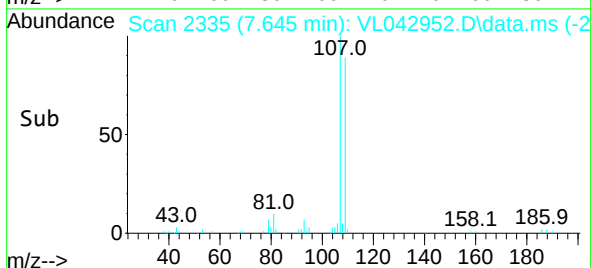
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

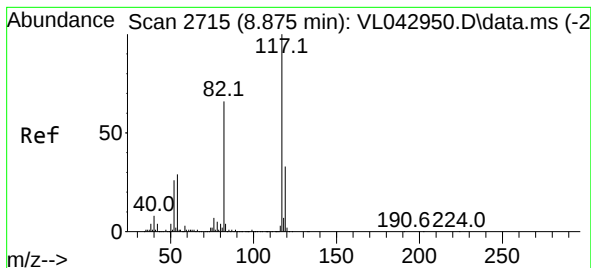


#54
1,2-Dibromoethane
Concen: 1.020 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48



Tgt Ion:107 Resp: 26608
Ion Ratio Lower Upper
107 100
109 89.3 75.8 113.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 2715

Delta R.T. -0.000 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:117 Resp: 46926

Ion Ratio Lower Upper

117 100

82 63.2 52.8 79.2

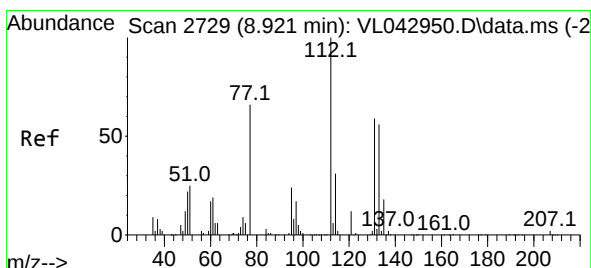
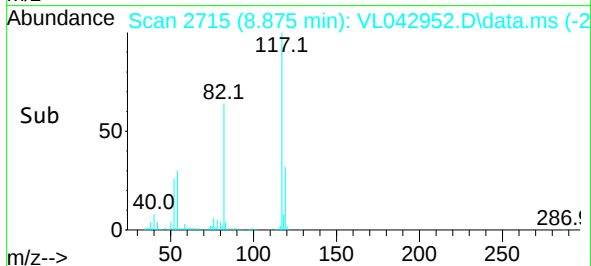
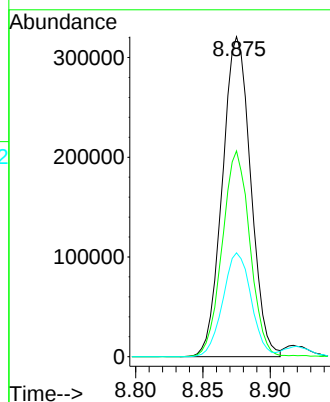
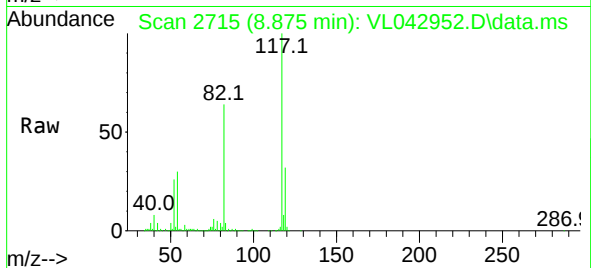
119 32.7 26.5 39.7

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: 1.015 ppbv

RT: 8.920 min Scan# 2729

Delta R.T. -0.000 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

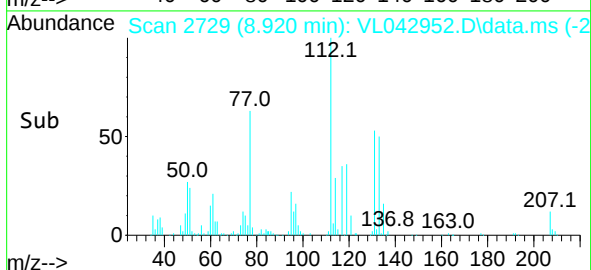
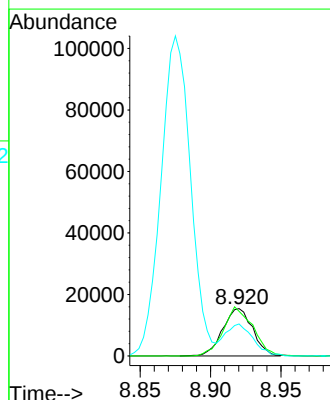
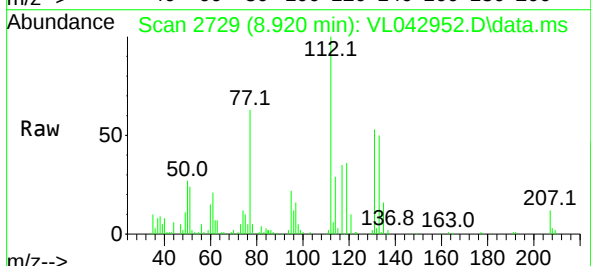
Tgt Ion:131 Resp: 22802

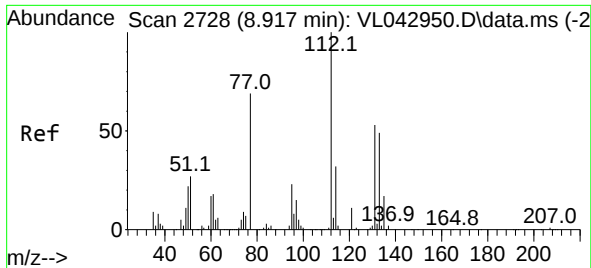
Ion Ratio Lower Upper

131 100

133 102.8 76.6 114.8

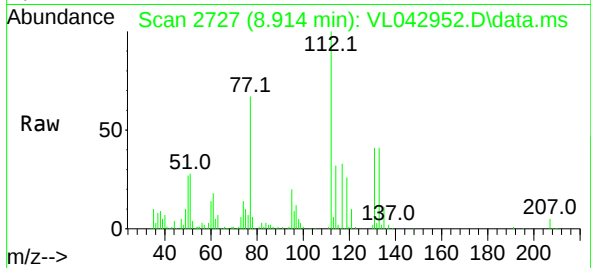
119 58.6 49.9 74.9





#57
Chlorobenzene
Concen: 1.071 ppbv
RT: 8.914 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

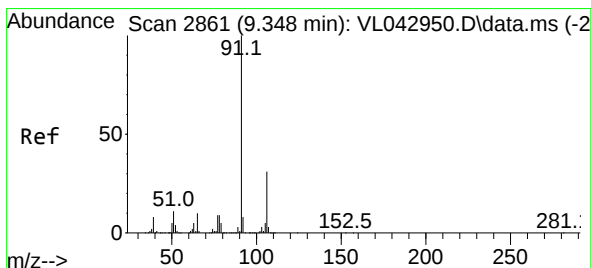
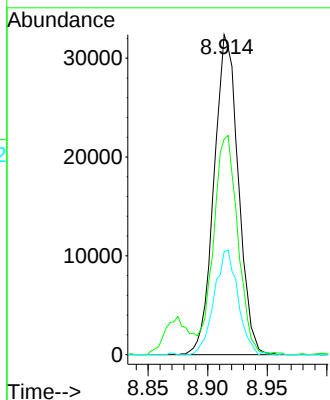
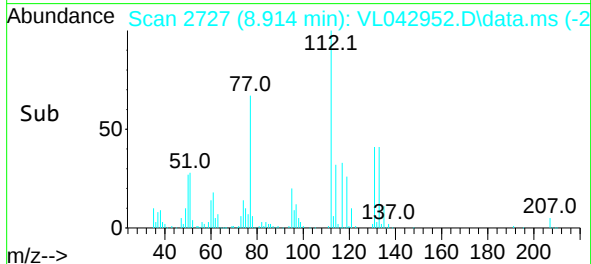
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



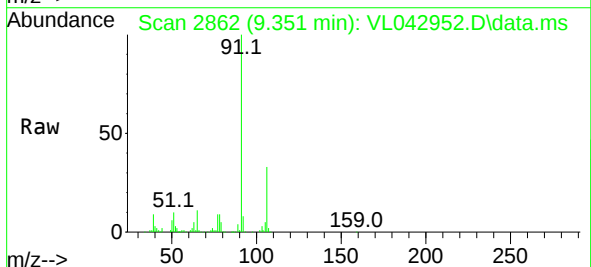
Tgt Ion:112 Resp: 4587
Ion Ratio Lower Upper
112 100
77 66.9 55.7 83.5
114 32.1 28.6 35.0

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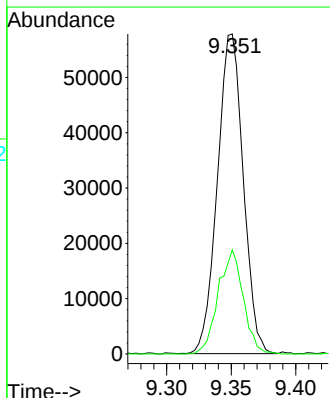
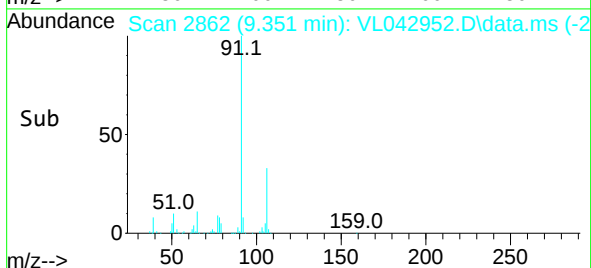
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

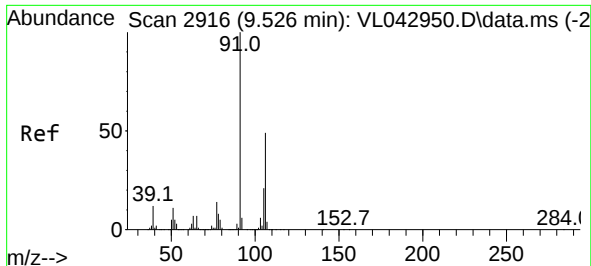


#58
Ethyl Benzene
Concen: 1.044 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48



Tgt Ion: 91 Resp: 80473
Ion Ratio Lower Upper
91 100
106 32.6 24.6 37.0





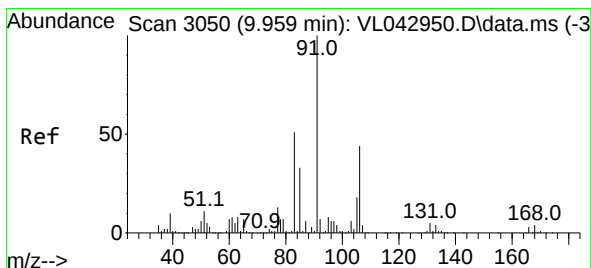
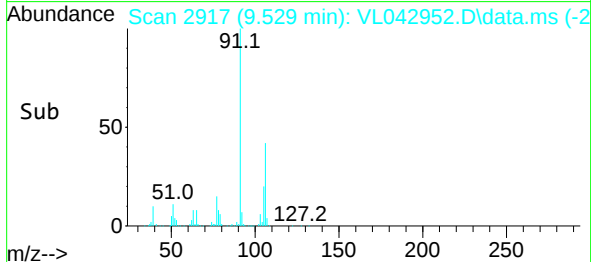
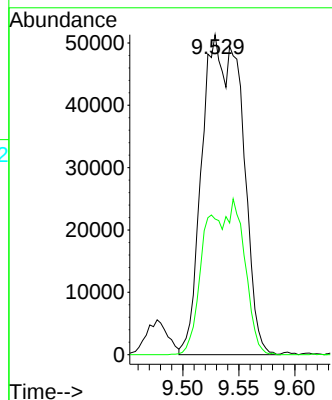
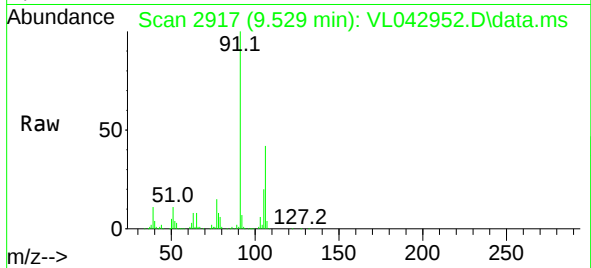
#59
m/p-Xylene
Concen: 2.108 ppbv m
RT: 9.529 min Scan# 2916
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 128139
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

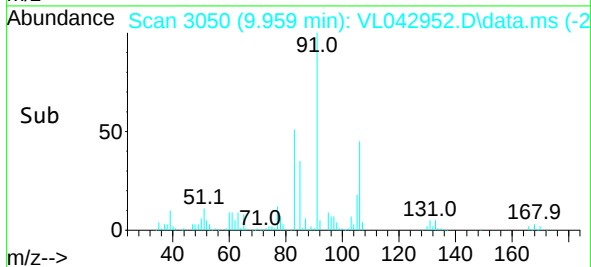
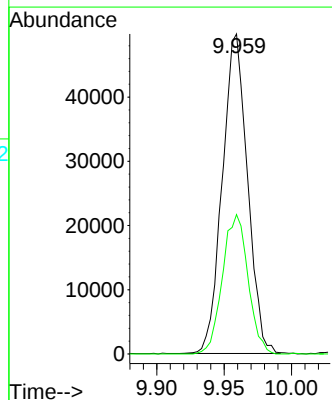
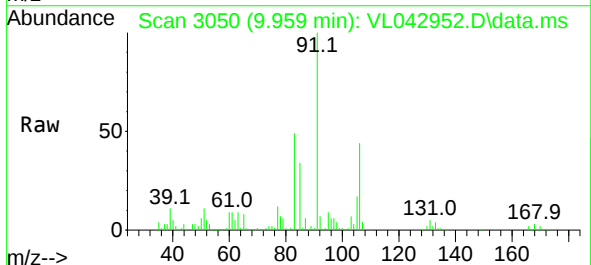
Manual Integrations
APPROVED

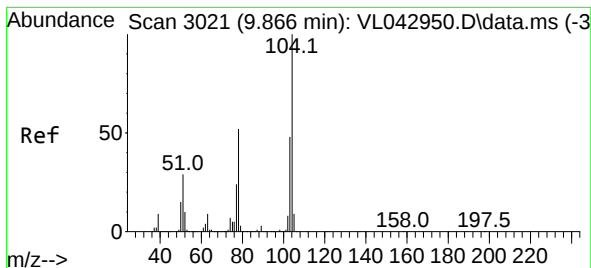
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#60
o-Xylene
Concen: 1.066 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion: 91 Resp: 64703
Ion Ratio Lower Upper
91 100
106 44.2 22.4 67.0





#61

Styrene

Concen: 1.012 ppbv

RT: 9.869 min Scan# 3021

Delta R.T. 0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

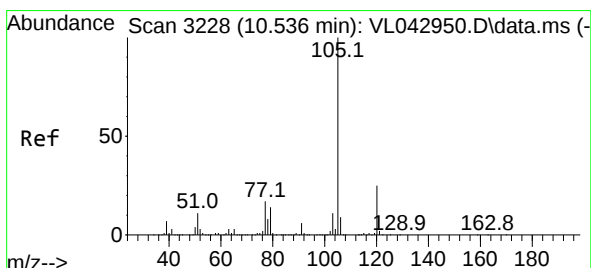
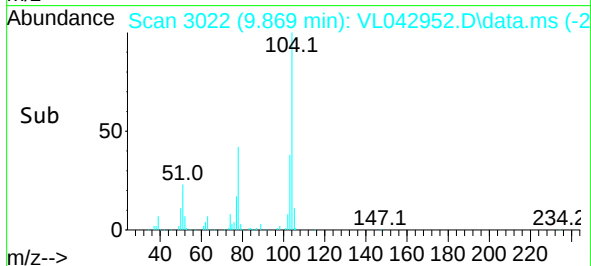
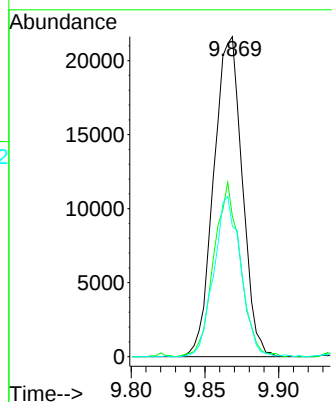
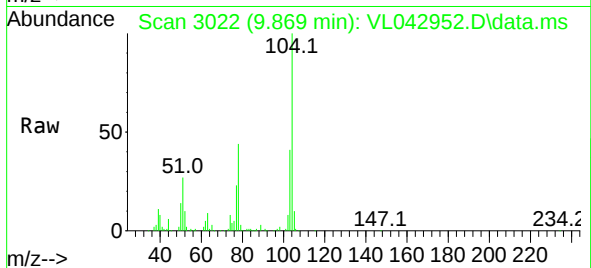
VSTDIC001

Tgt Ion:104	Resp:	2906
Ion Ratio	Lower	Upper
104	100	
78	50.8	39.9 59.9
103	47.7	36.9 55.3

Manual Integrations

APPROVED

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



#62

Isopropylbenzene

Concen: 1.068 ppbv

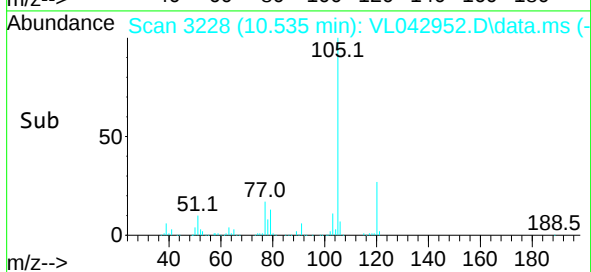
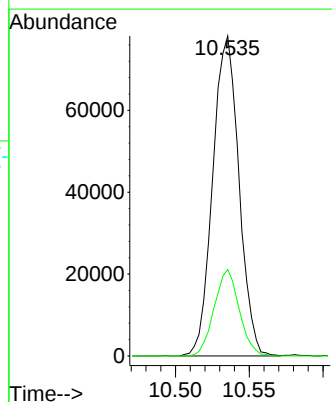
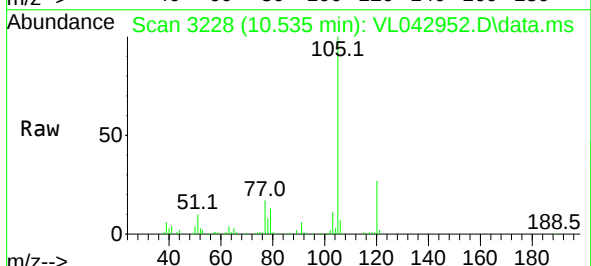
RT: 10.535 min Scan# 3228

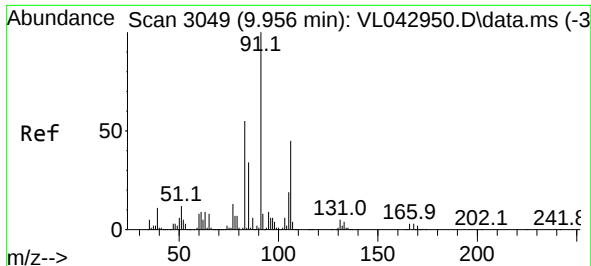
Delta R.T. -0.000 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

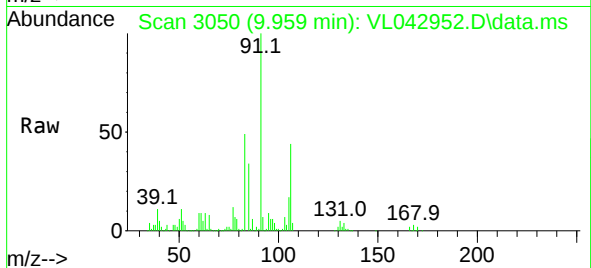
Tgt Ion:105	Resp:	96621
Ion Ratio	Lower	Upper
105	100	
120	25.8	20.6 30.8





#63
1,1,2,2-Tetrachloroethane
Concen: 0.993 ppbv
RT: 9.959 min Scan# 3049
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

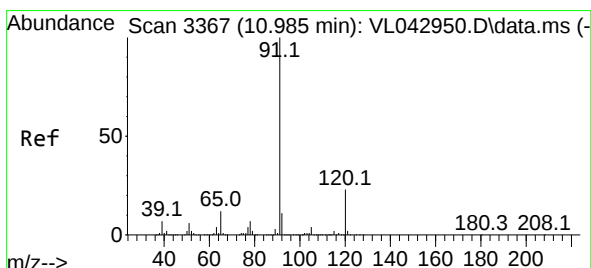
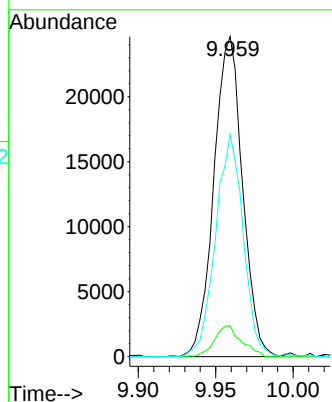
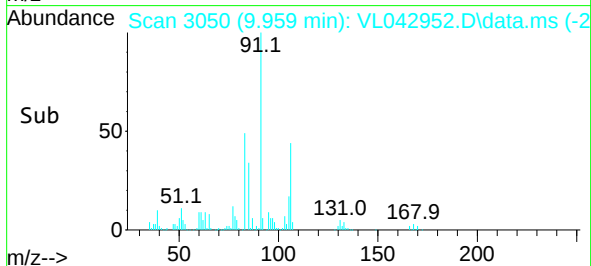
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



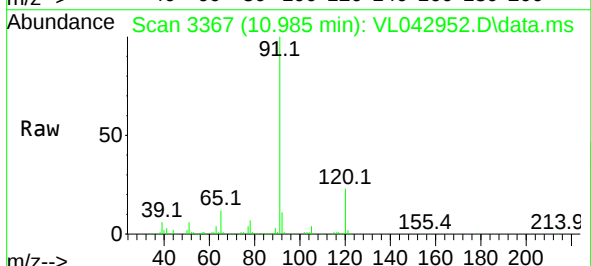
Tgt Ion: 83 Resp: 3169
Ion Ratio Lower Upper
83 100
131 9.2 4.8 14.4
85 67.4 32.2 96.6

Manual Integrations
APPROVED

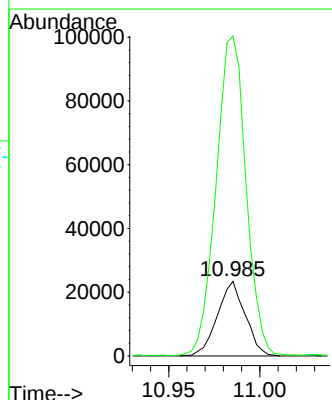
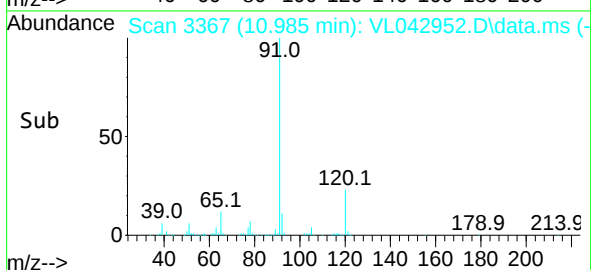
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

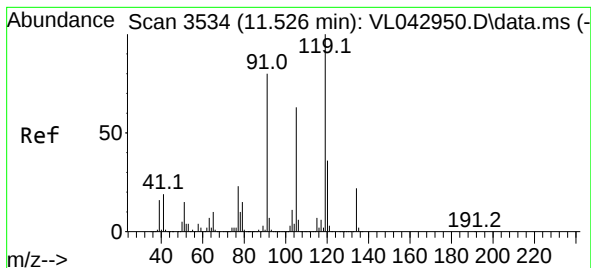


#64
n-propylbenzene
Concen: 1.049 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48



Tgt Ion:120 Resp: 24820
Ion Ratio Lower Upper
120 100
91 461.0 364.9 547.3





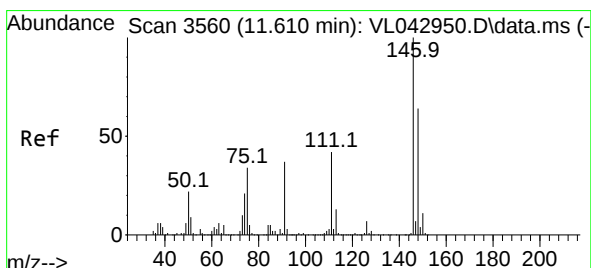
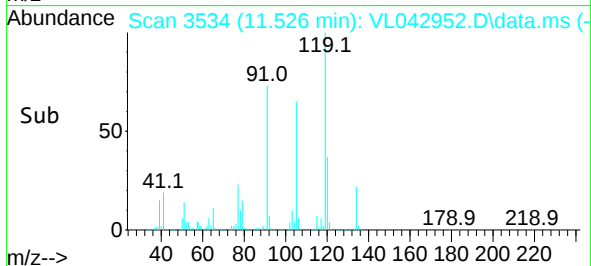
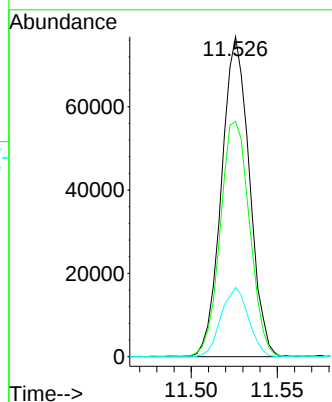
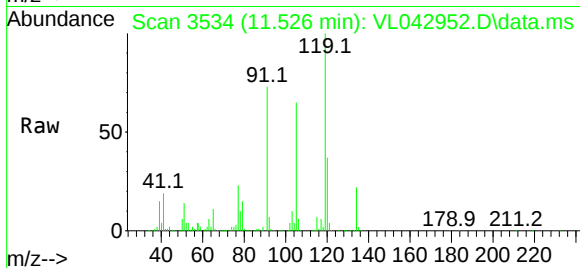
#65
tert-Butylbenzene
Concen: 1.072 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Instrument : MSVOA_L
ClientSampleId : VSTDIC001

Tgt Ion: 119 Resp: 8630
Ion Ratio Lower Upper
119 100
91 78.1 63.1 94.7
134 21.2 17.0 25.6

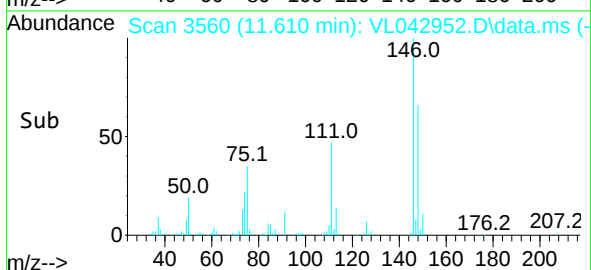
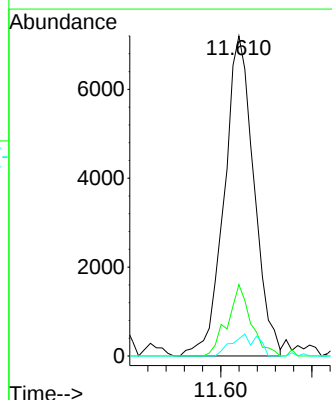
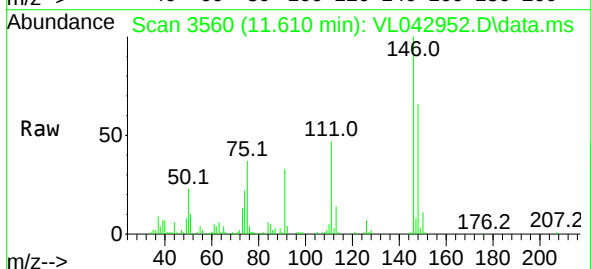
Manual Integrations
APPROVED

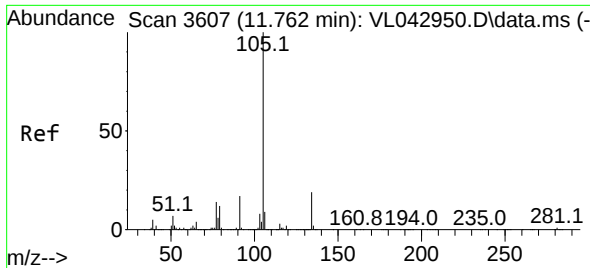
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#66
Benzyl Chloride
Concen: 0.964 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

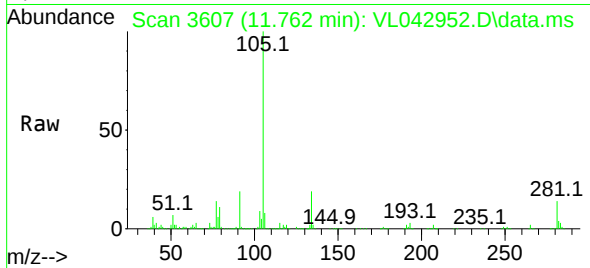
Tgt Ion: 91 Resp: 8140
Ion Ratio Lower Upper
91 100
126 17.9 14.6 21.8
128 6.2 5.0 7.4





#67
 sec-Butylbenzene
 Concen: 1.070 ppbv
 RT: 11.762 min Scan# 3607
 Delta R.T. -0.000 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

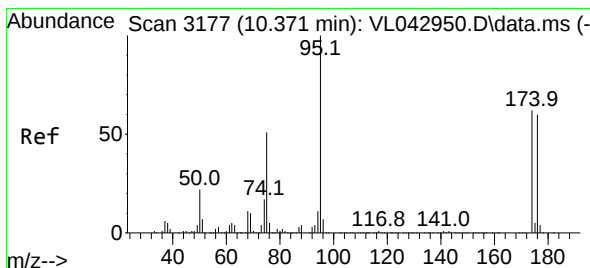
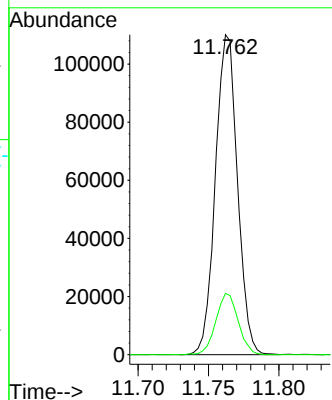
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion:105 Resp: 120070
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.7 23.5

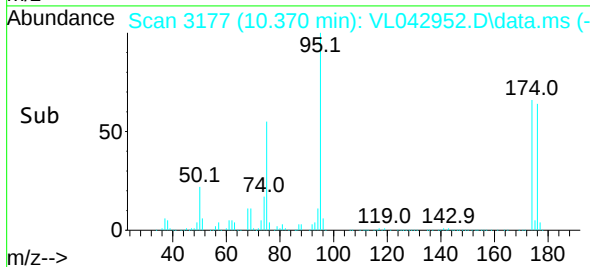
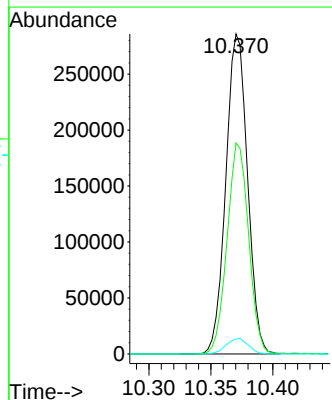
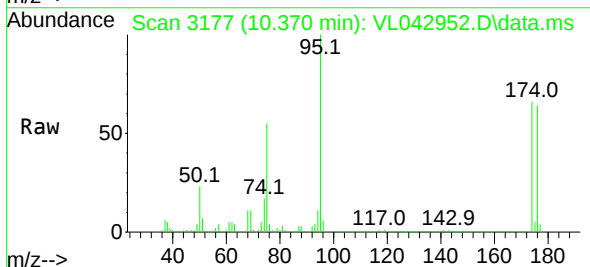
Manual Integrations
 APPROVED

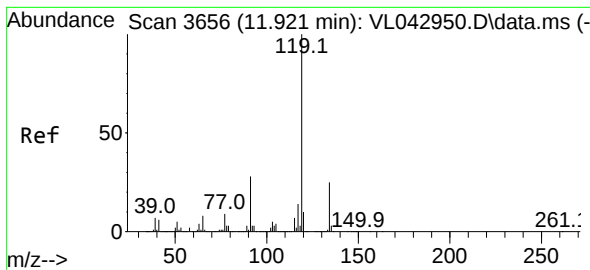
Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.960 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. -0.000 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

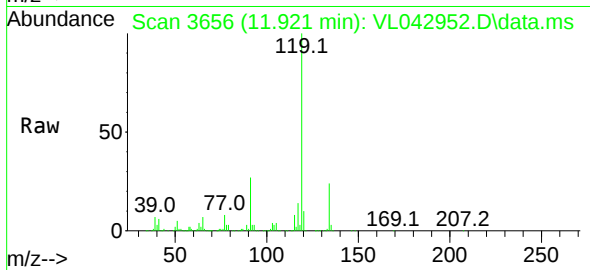
Tgt Ion: 95 Resp: 348878
 Ion Ratio Lower Upper
 95 100
 174 65.3 51.4 77.2
 175 4.9 4.0 6.0





#69
p-Isopropyltoluene
Concen: 1.074 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

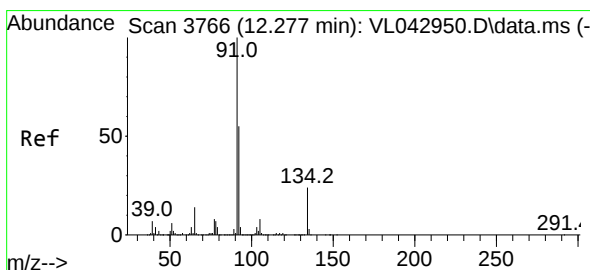
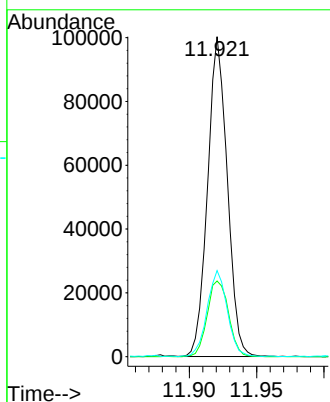
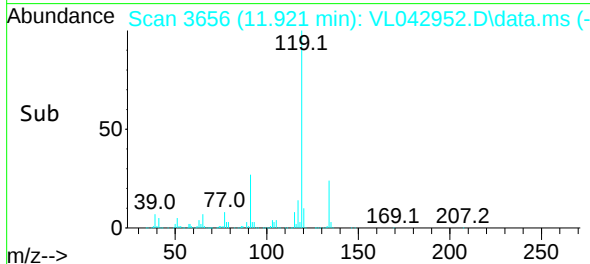
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



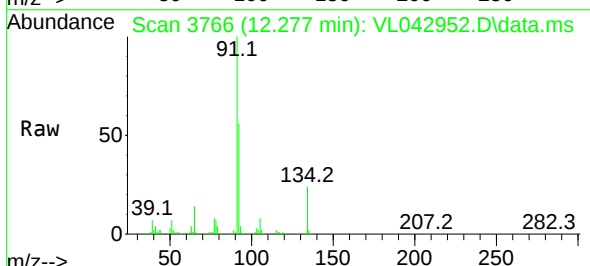
Tgt Ion:119 Resp: 101749
Ion Ratio Lower Upper
119 100
134 25.8 21.0 31.4
91 28.3 22.3 33.5

Manual Integrations
APPROVED

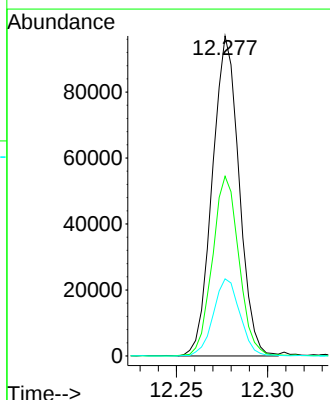
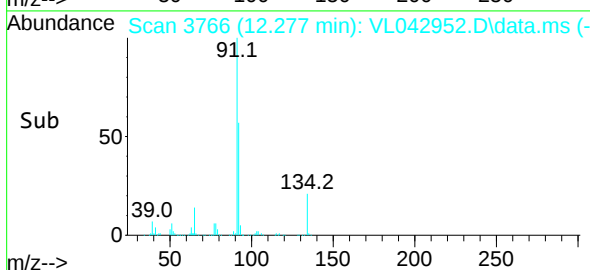
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

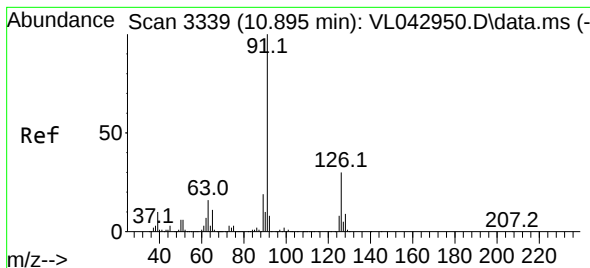


#70
n-Butylbenzene
Concen: 1.069 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48



Tgt Ion: 91 Resp: 98908
Ion Ratio Lower Upper
91 100
92 56.0 44.0 66.0
134 24.0 19.4 29.2





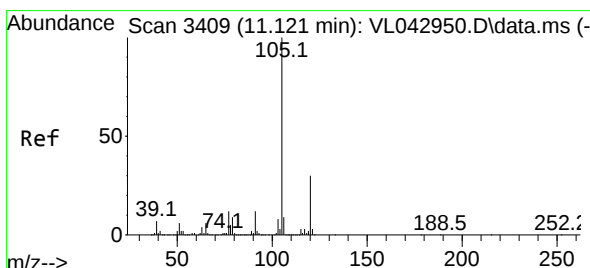
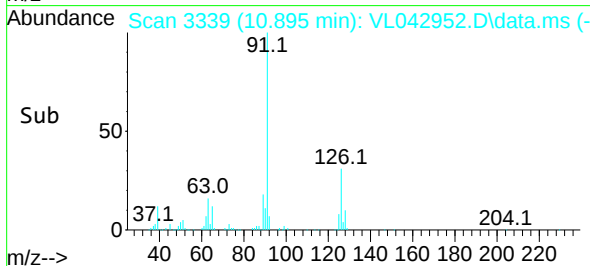
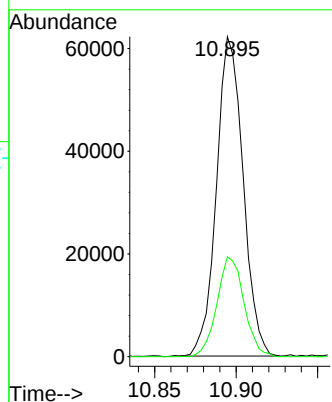
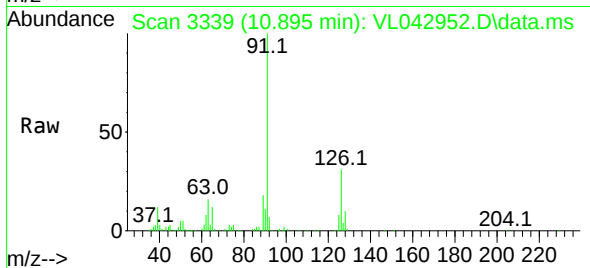
#71
2-Chlorotoluene
Concen: 1.033 ppbv
RT: 10.895 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 7057
Ion Ratio Lower Upper
91 100
126 31.8 12.3 49.3

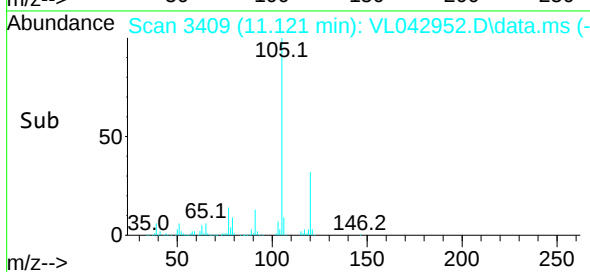
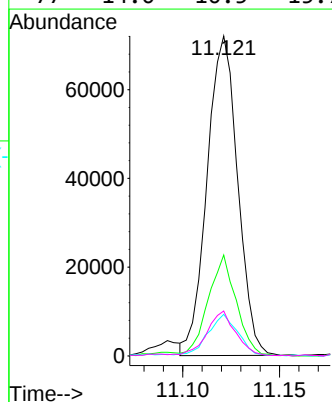
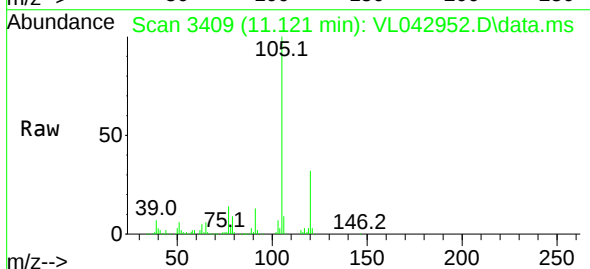
Manual Integrations
APPROVED

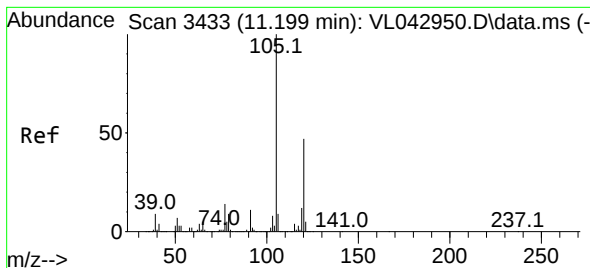
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#72
4-Ethyltoluene
Concen: 1.040 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

Tgt Ion:105 Resp: 79095
Ion Ratio Lower Upper
105 100
120 30.3 24.2 36.2
91 13.3 10.0 15.0
77 14.0 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 1.024 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. -0.000 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 63174

Ion Ratio Lower Upper

105 100

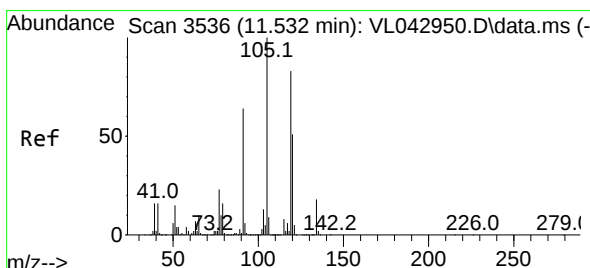
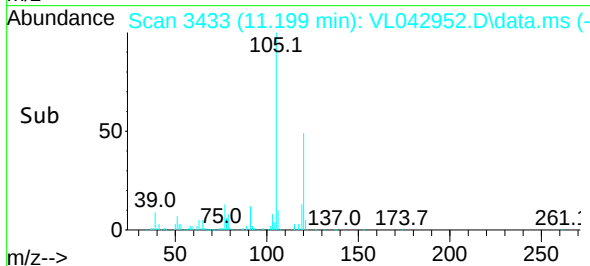
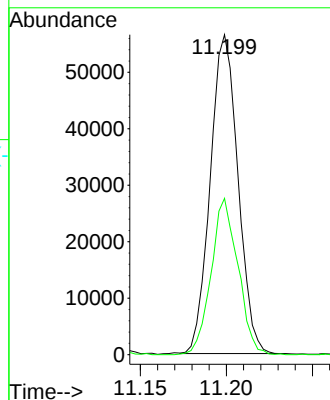
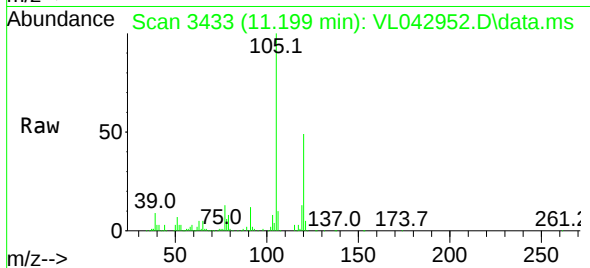
120 48.8 38.0 57.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#74

1,2,4-Trimethylbenzene

Concen: 1.049 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.000 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Tgt Ion:105 Resp: 71411

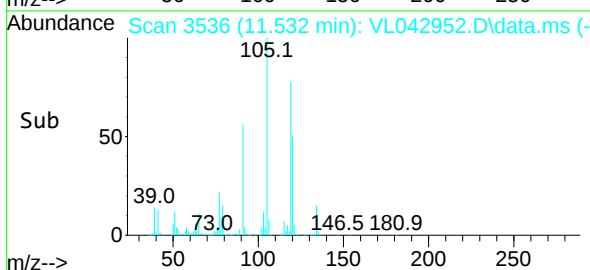
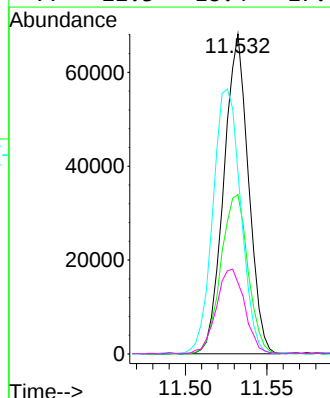
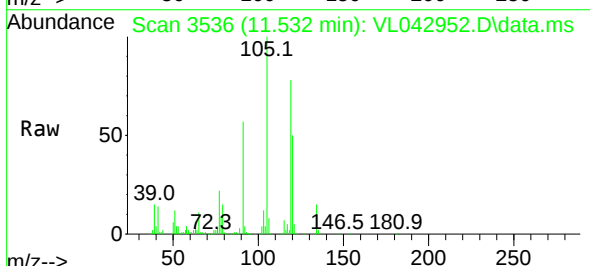
Ion Ratio Lower Upper

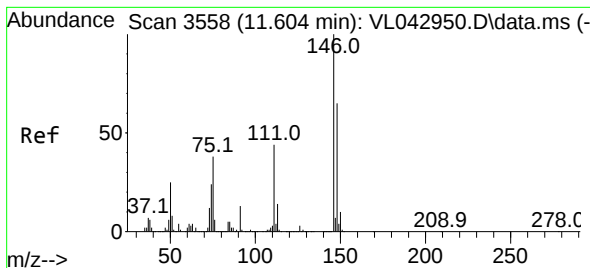
105 100

120 49.9 40.9 61.3

91 56.6 51.2 76.8

77 22.3 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 1.060 ppbv

RT: 11.603 min Scan# 3558

Delta R.T. -0.000 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

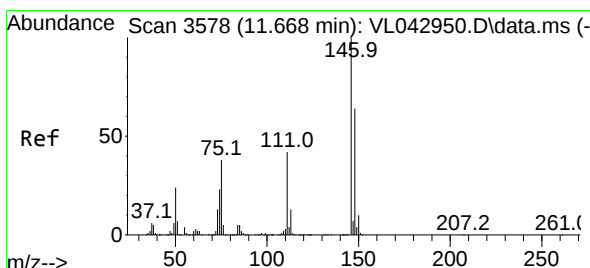
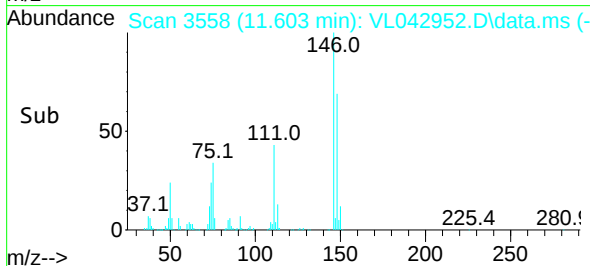
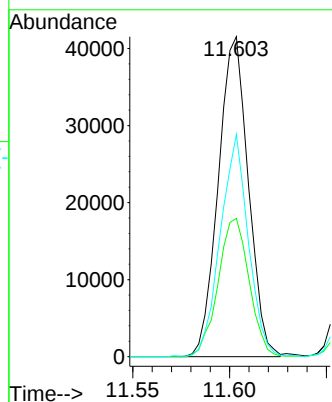
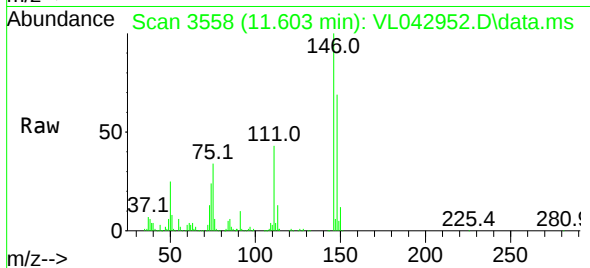
VSTDICC001

Tgt Ion:146	Resp:	44769
Ion Ratio	Lower	Upper
146	100	
111	44.6	22.3 66.9
148	64.7	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: 1.022 ppbv

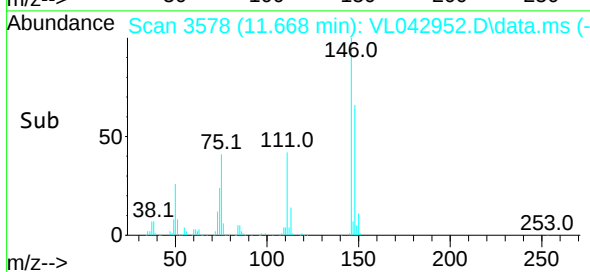
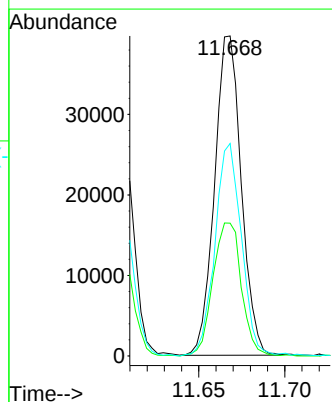
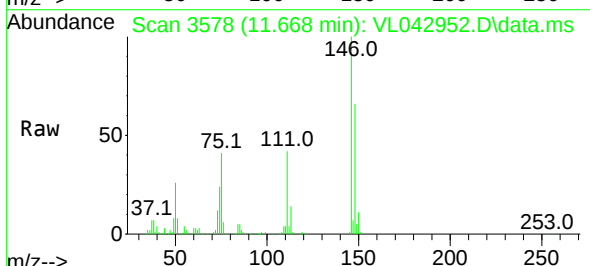
RT: 11.668 min Scan# 3578

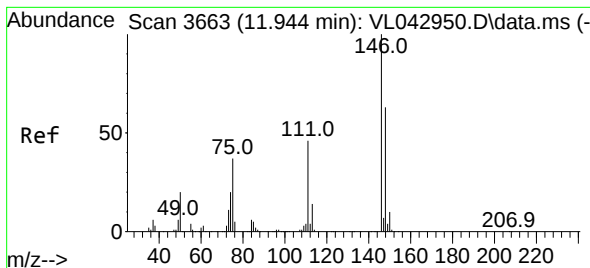
Delta R.T. -0.000 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Tgt Ion:146	Resp:	42879
Ion Ratio	Lower	Upper
146	100	
111	44.5	21.5 64.5
148	66.4	31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 1.068 ppbv

RT: 11.940 min Scan# 3663

Delta R.T. -0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

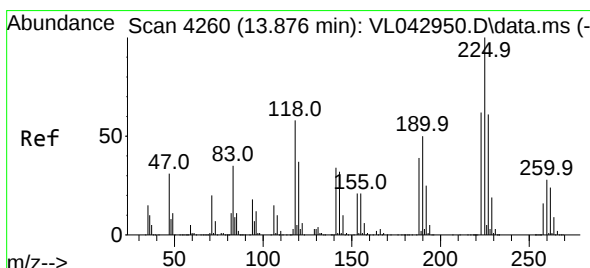
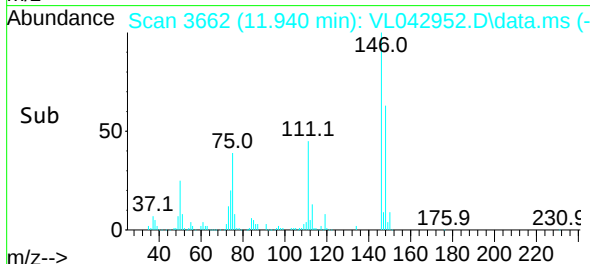
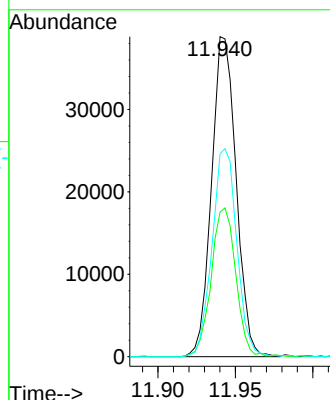
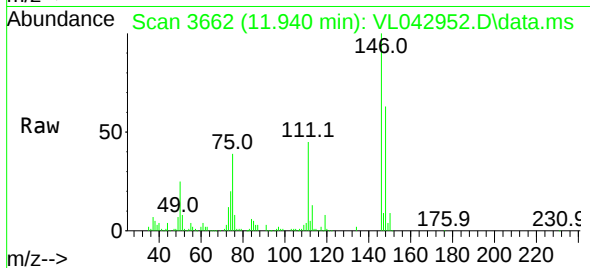
VSTDIC001

Tgt Ion:	146	Resp:	4291
Ion Ratio	Lower	Upper	
146	100		
111	46.6	23.1	69.3
148	65.9	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: 1.107 ppbv

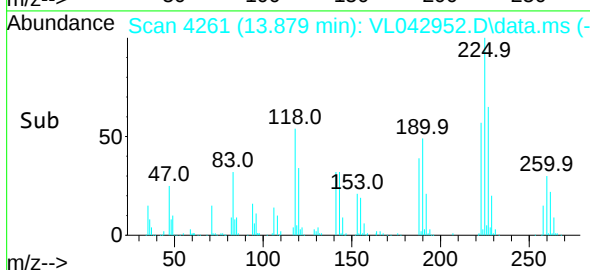
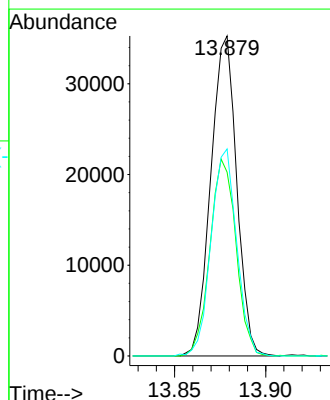
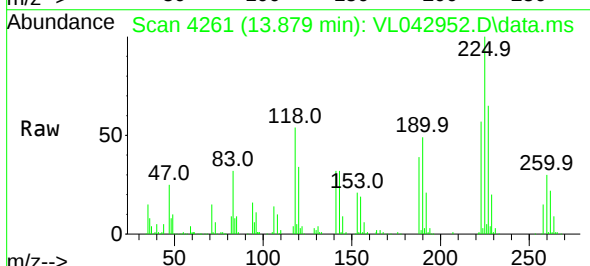
RT: 13.879 min Scan# 4261

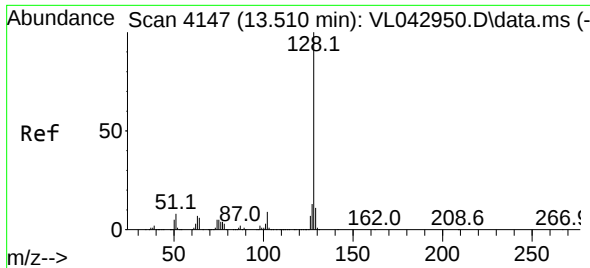
Delta R.T. 0.003 min

Lab File: VL042952.D

Acq: 22 Sep 2025 10:48

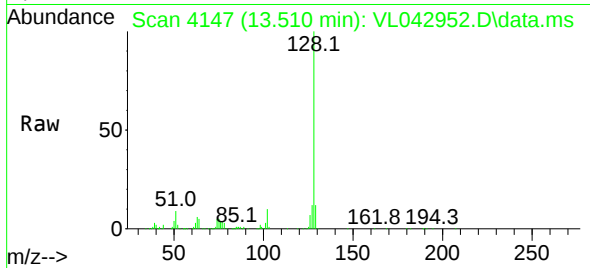
Tgt Ion:	225	Resp:	34798
Ion Ratio	Lower	Upper	
225	100		
223	62.0	50.1	75.1
227	64.0	50.4	75.6





#79
Naphthalene
Concen: 1.028 ppbv
RT: 13.510 min Scan# 4147
Delta R.T. -0.000 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48

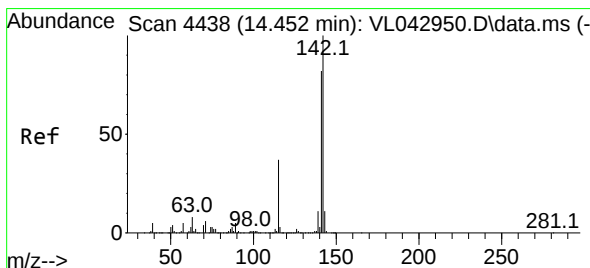
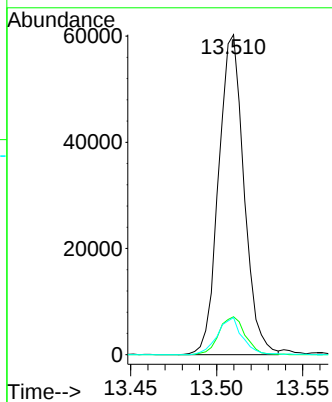
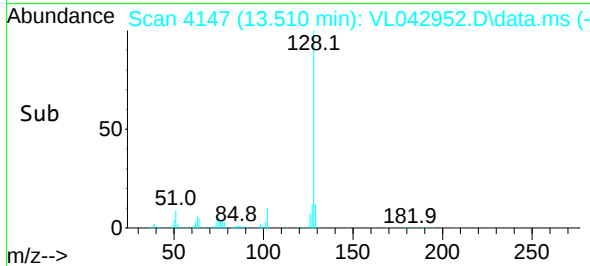
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



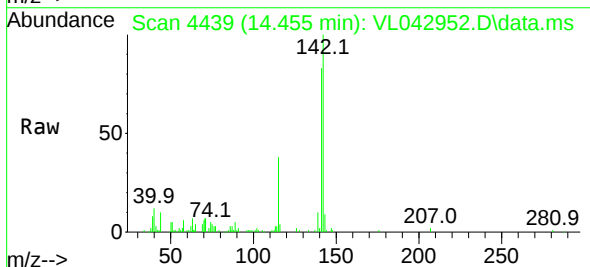
Tgt Ion:128 Resp: 61925
Ion Ratio Lower Upper
128 100
127 11.8 10.6 15.8
129 11.6 9.0 13.6

Manual Integrations
APPROVED

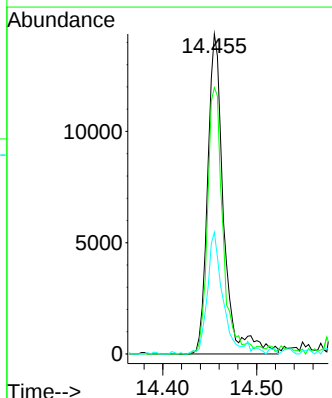
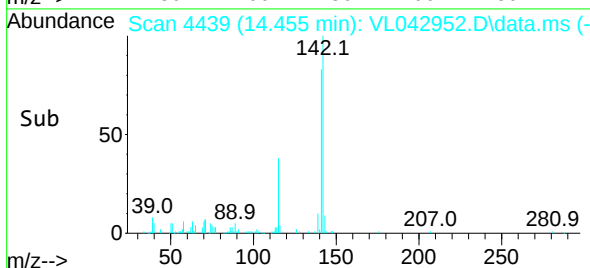
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

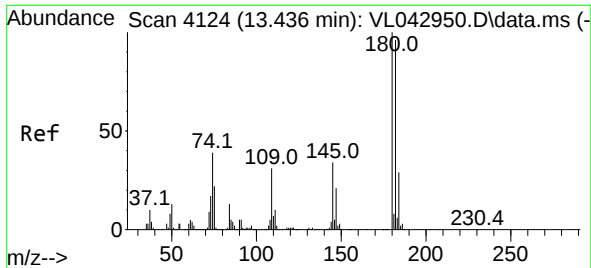


#80
Naphthalene,2-methyl-
Concen: 0.920 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.003 min
Lab File: VL042952.D
Acq: 22 Sep 2025 10:48



Tgt Ion:142 Resp: 17116
Ion Ratio Lower Upper
142 100
141 83.8 65.1 97.7
115 38.5 28.9 43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 1.007 ppbv
 RT: 13.435 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042952.D
 Acq: 22 Sep 2025 10:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:180 Resp: 3241
 Ion Ratio Lower Upper
 180 100
 182 98.0 75.7 113.5
 184 31.2 23.9 35.9

Manual Integrations
 APPROVED

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

