

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
 Data File : VL043108.D
 Acq On : 14 Oct 2025 12:34
 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 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

Quant Time: Oct 15 01:53:33 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

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

QLast Update : Wed Oct 15 01:49:43 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	101636	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	336188	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	303445	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.380	95	232904	9.875	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	7851	0.543	ppbv	98
3) Chlorodifluoromethane	1.479	51	8497	0.543	ppbv #	89
4) Chloromethane	1.534	50	3254	0.568	ppbv #	88
5) Vinyl Chloride	1.583	62	2857	0.509	ppbv	96
6) Bromomethane	1.670	94	1709	0.555	ppbv	100
7) Chloroethane	1.706	64	1326	0.578	ppbv #	85
8) Dichlorotetrafluoroethane	1.557	85	5970	0.511	ppbv	92
9) Propene	1.486	41	3750	0.541	ppbv	92
10) Heptane	4.981	43	11097m	0.558	ppbv	
11) Trichlorofluoromethane	1.881	101	7672	0.543	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.143	101	6173	0.543	ppbv	100
13) Ethanol	1.725	45	1468	0.572	ppbv	86
14) Bromoethene	1.787	108	2444	0.578	ppbv #	90
15) Acetone	1.839	43	7931	0.576	ppbv #	88
16) 1,3-Butadiene	1.612	39	3962	0.607	ppbv	91
17) tert-Butyl alcohol	2.046	59	10213	0.543	ppbv #	88
18) 1,1-Dichloroethene	2.039	96	2636	0.531	ppbv	91
19) Isopropyl Alcohol	1.887	45	4932	0.578	ppbv #	43
20) Methylene Chloride	2.065	84	3750	0.693	ppbv #	75
21) Allyl Chloride	2.098	41	5575	0.551	ppbv	98
22) trans-1,2-Dichloroethene	2.344	96	3093	0.522	ppbv	98
23) Vinyl Acetate	2.467	43	10914	0.544	ppbv #	96
24) 1,1-Dichloroethane	2.412	63	5942	0.519	ppbv	99
25) Ethyl Acetate	2.845	43	17918	0.527	ppbv #	96
26) Hexane	2.829	57	8908	0.569	ppbv	95
27) Carbon Disulfide	2.153	76	7230	0.504	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	3770	0.529	ppbv #	47
29) Chloroform	2.852	83	12384	0.546	ppbv	100
30) Cyclohexane	3.862	84	7586m	0.556	ppbv	
31) cis-1,2-Dichloroethene	2.725	61	7576	0.507	ppbv #	88
32) 1,1,1-Trichloroethane	3.373	97	12234	0.518	ppbv	97
34) 2-Butanone	2.564	43	12659	0.557	ppbv	99
35) Carbon Tetrachloride	3.768	117	11931	0.494	ppbv	87
36) Benzene	3.661	78	16376	0.517	ppbv	94
37) 1,2-Dichloroethane	3.224	62	9907	0.543	ppbv	99
38) Trichloroethene	4.554	130	6745	0.511	ppbv	95
39) 1,2-Dichloropropane	4.318	63	6032	0.521	ppbv #	80
40) 1,4-Dioxane	4.609	88	2794m	0.539	ppbv	
41) Tetrahydrofuran	3.065	42	7174m	0.565	ppbv	
42) Bromodichloromethane	4.496	83	13094	0.519	ppbv	96
43) Methyl Methacrylate	4.888	69	8412m	0.521	ppbv	
44) 2,2,4-Trimethylpentane	4.648	57	28494m	0.538	ppbv	
45) t-1,3-Dichloropropene	6.425	75	8030	0.498	ppbv	94

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Quant Time: Oct 15 01:53:33 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

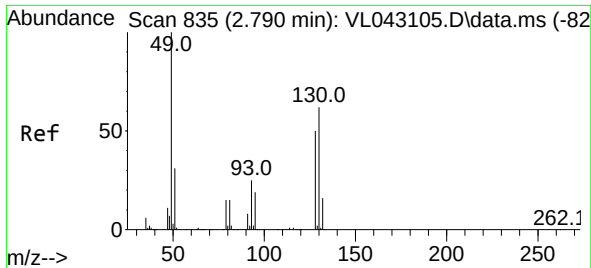
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Oct 15 01:49:43 2025

Response via : Initial Calibration

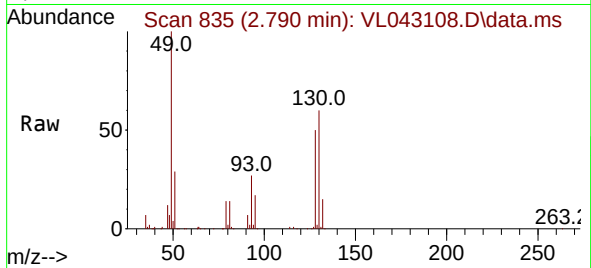
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	9973m	0.518	ppbv	
47) 1,1,2-Trichloroethane	6.587	97	6996	0.560	ppbv	92
48) Dibromochloromethane	7.393	129	10413	0.498	ppbv	96
49) Bromoform	9.487	173	8455	0.498	ppbv	96
50) 4-Methyl-2-Pentanone	5.771	43	16289m	0.520	ppbv	
51) 2-Hexanone	7.451	43	11485	0.491	ppbv #	94
52) Tetrachloroethene	8.231	164	5863	0.513	ppbv #	90
53) Toluene	6.936	91	20380	0.542	ppbv	99
54) 1,2-Dibromoethane	7.661	107	9586	0.486	ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.930	131	10044	0.525	ppbv #	1
57) Chlorobenzene	8.927	112	15318	0.540	ppbv	95
58) Ethyl Benzene	9.357	91	27330	0.521	ppbv	91
59) m/p-Xylene	9.539	91	44407m	1.068	ppbv	
60) o-Xylene	9.969	91	21745	0.530	ppbv	96
61) Styrene	9.878	104	9052	0.489	ppbv	96
62) Isopropylbenzene	10.542	105	38899	0.525	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	13653	0.497	ppbv	97
64) n-propylbenzene	10.992	120	10435	0.532	ppbv	99
65) tert-Butylbenzene	11.532	119	35537	0.543	ppbv	99
66) Benzyl Chloride	11.620	91	3477	0.476	ppbv #	97
67) sec-Butylbenzene	11.769	105	50259	0.541	ppbv	100
69) p-Isopropyltoluene	11.927	119	41366	0.524	ppbv	99
70) n-Butylbenzene	12.283	91	39620	0.509	ppbv	98
71) 2-Chlorotoluene	10.901	91	29722	0.526	ppbv	98
72) 4-Ethyltoluene	11.128	105	26408	0.524	ppbv	98
73) 1,3,5-Trimethylbenzene	11.209	105	21754	0.523	ppbv	89
74) 1,2,4-Trimethylbenzene	11.539	105	25663	0.551	ppbv	93
75) 1,3-Dichlorobenzene	11.610	146	13697	0.507	ppbv	95
76) 1,4-Dichlorobenzene	11.675	146	14514	0.533	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	14324	0.548	ppbv	98
78) Hexachloro-1,3-Butadiene	13.885	225	11400	0.564	ppbv	98
79) Naphthalene	13.516	128	23247	0.483	ppbv #	94
80) Naphthalene,2-methyl-	14.462	142	3874	0.305	ppbv #	84
81) 1,2,4-Trichlorobenzene	13.442	180	8395	0.416	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

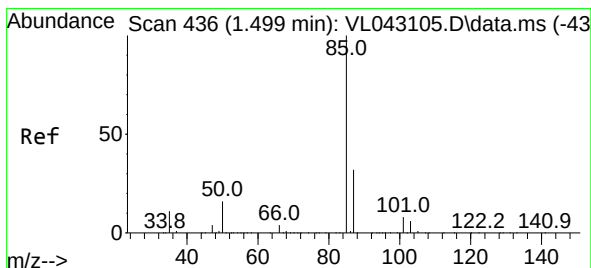
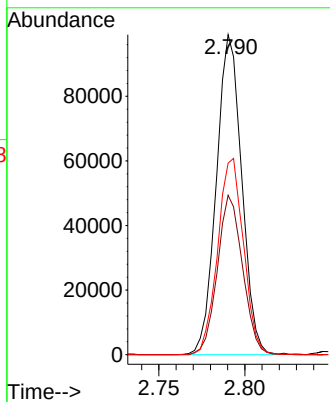
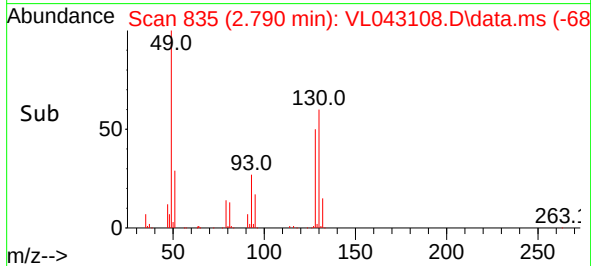
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



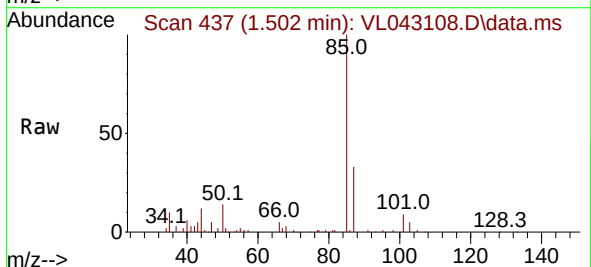
Tgt Ion: 49 Resp: 101630
Ion Ratio Lower Upper
49 100
128 49.5 24.4 73.4
130 62.5 31.0 93.0

Manual Integrations
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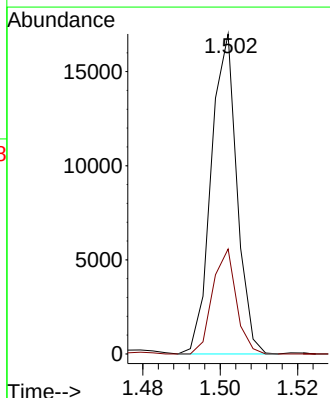
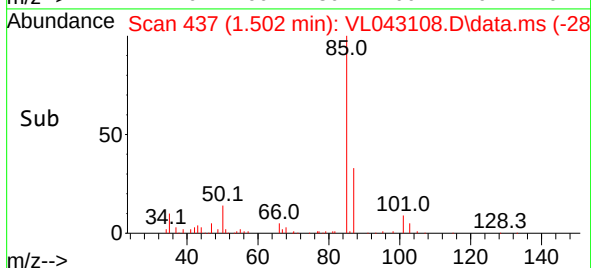
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

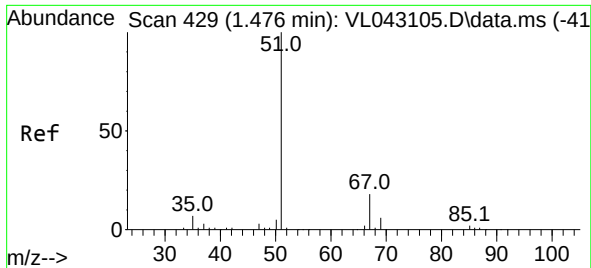


#2
Dichlorodifluoromethane
Concen: 0.543 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34



Tgt Ion: 85 Resp: 7851
Ion Ratio Lower Upper
85 100
87 32.8 25.3 37.9





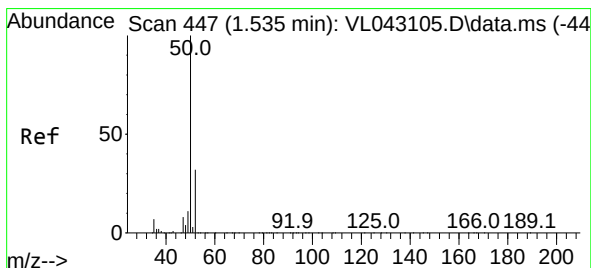
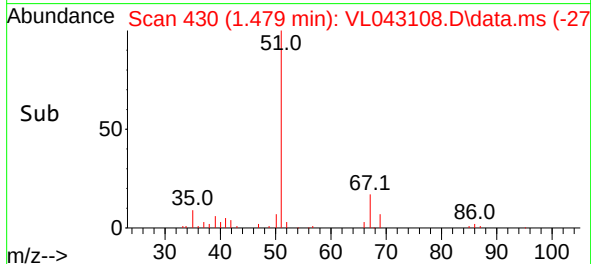
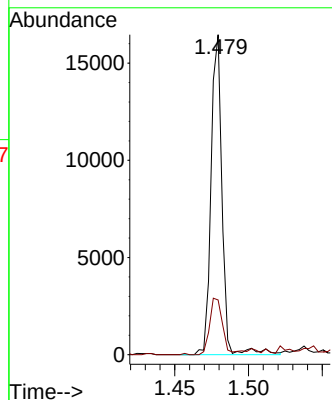
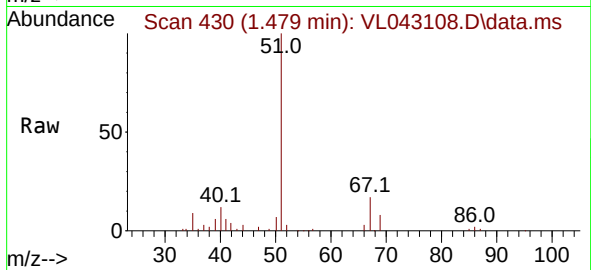
#3
Chlorodifluoromethane
Concen: 0.543 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 51 Resp: 849
Ion Ratio Lower Upper
51 100
67 23.8 15.1 22.7

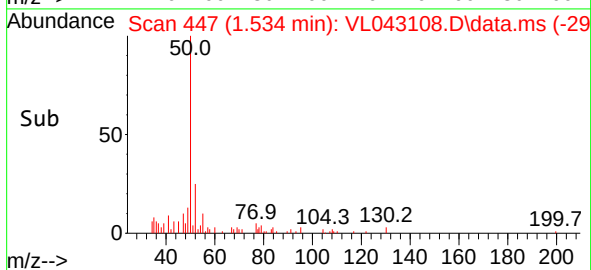
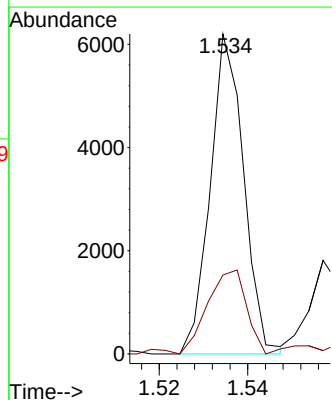
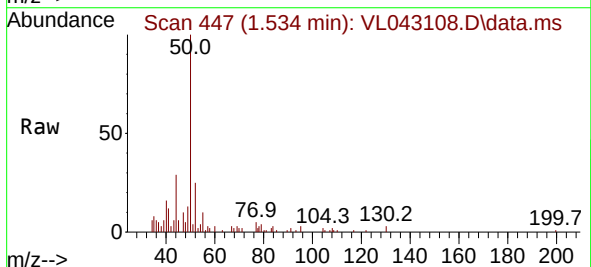
Manual Integrations
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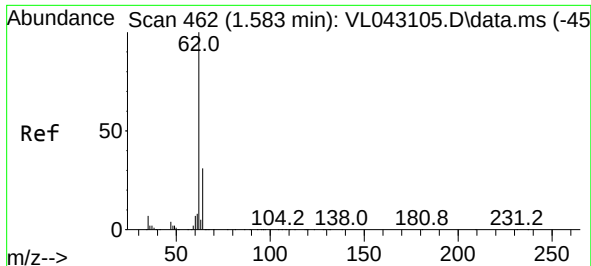
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#4
Chloromethane
Concen: 0.568 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 50 Resp: 3254
Ion Ratio Lower Upper
50 100
52 24.7 25.2 37.8





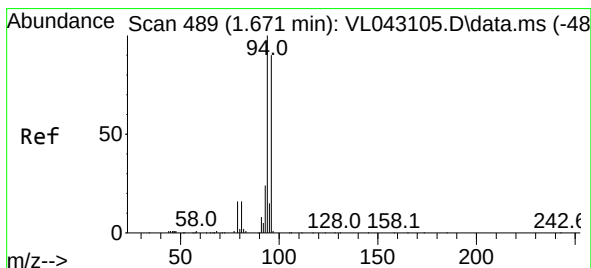
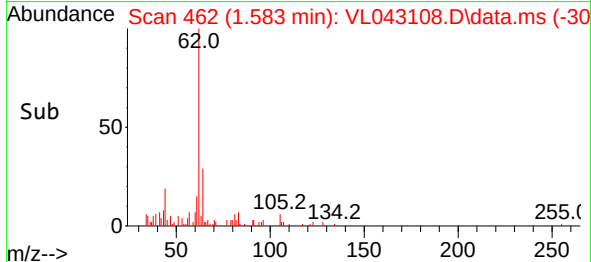
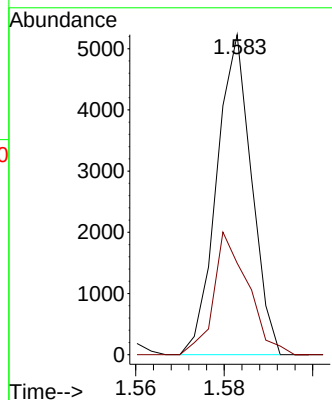
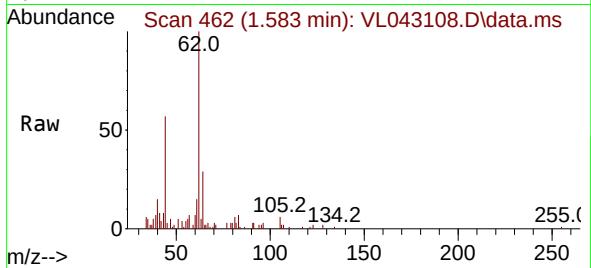
#5
 Vinyl Chloride
 Concen: 0.509 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 62 Resp: 285
 Ion Ratio Lower Upper
 62 100
 64 28.6 24.6 36.8

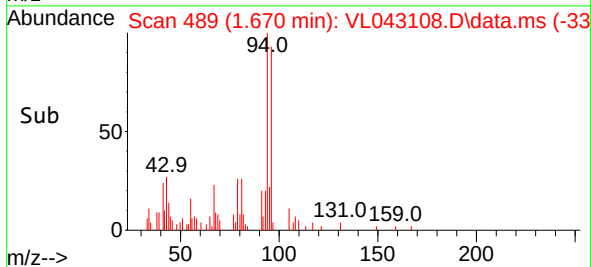
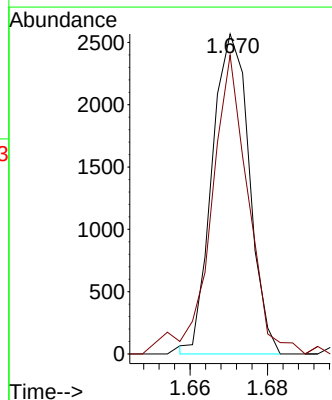
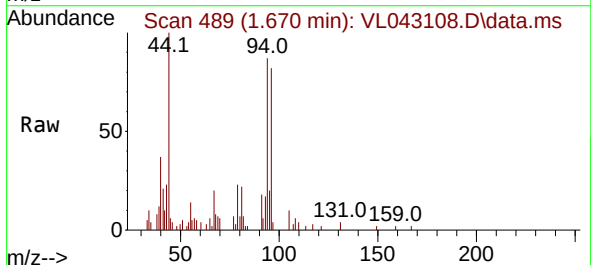
Manual Integrations
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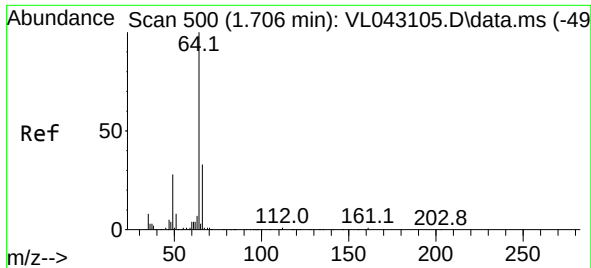
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025



#6
 Bromomethane
 Concen: 0.555 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

Tgt Ion: 94 Resp: 1709
 Ion Ratio Lower Upper
 94 100
 96 89.9 72.2 108.4





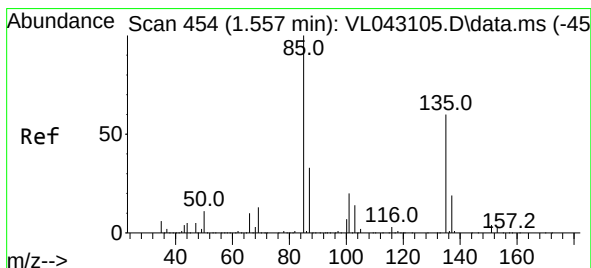
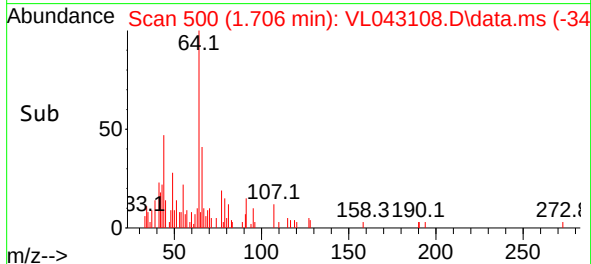
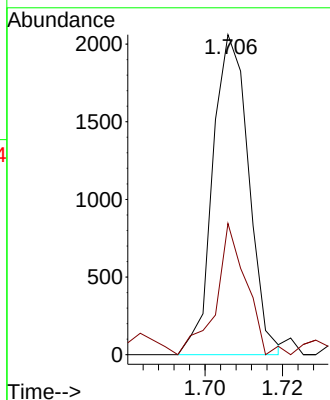
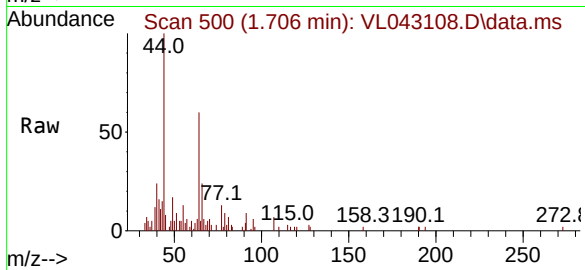
#7
Chloroethane
Concen: 0.578 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 64 Resp: 1320
Ion Ratio Lower Upper
64 100
66 41.0 26.0 39.0

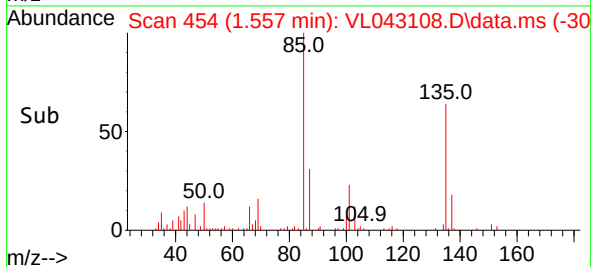
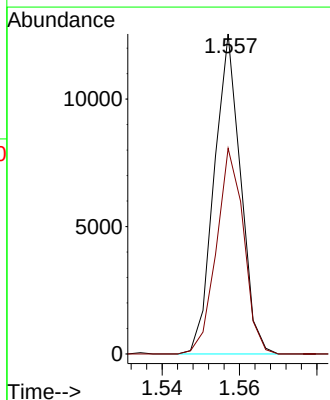
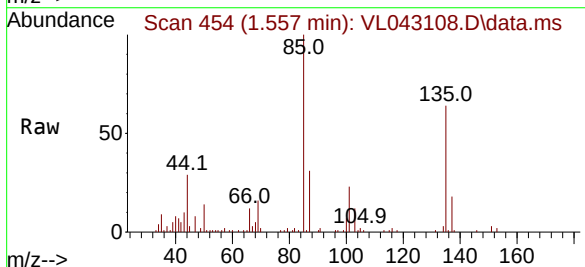
Manual Integrations
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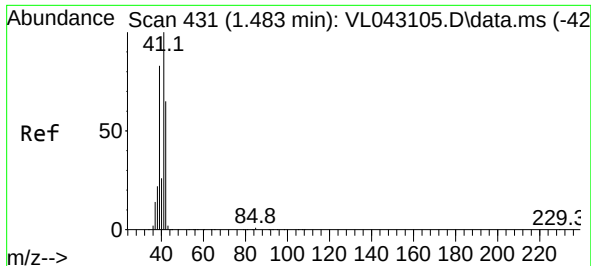
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#8
Dichlorotetrafluoroethane
Concen: 0.511 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 85 Resp: 5970
Ion Ratio Lower Upper
85 100
135 66.3 48.2 72.4





#9

Propene

Concen: 0.541 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 41 Resp: 3750

Ion Ratio Lower Upper

41 100

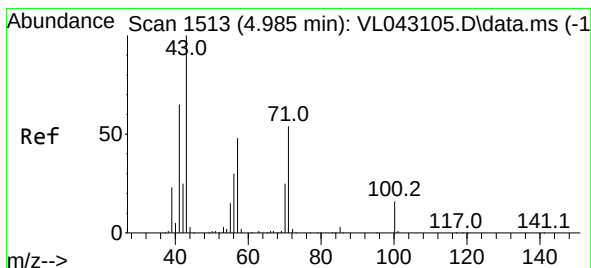
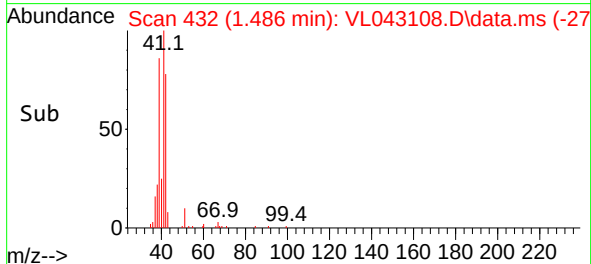
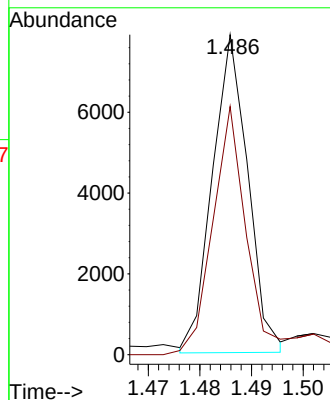
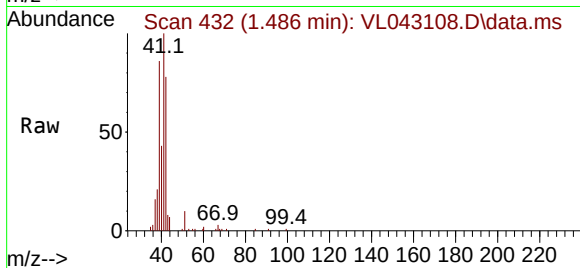
42 75.0 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#10

Heptane

Concen: 0.558 ppbv m

RT: 4.981 min Scan# 1512

Delta R.T. -0.003 min

Lab File: VL043108.D

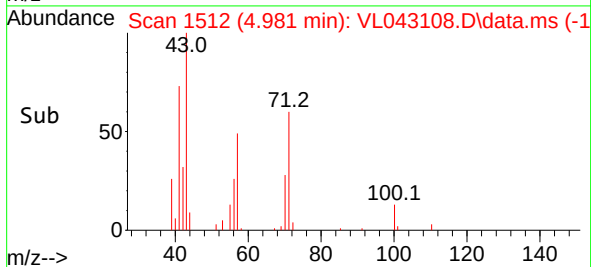
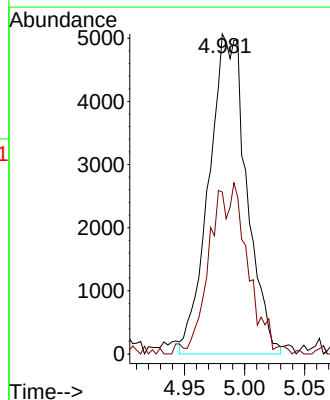
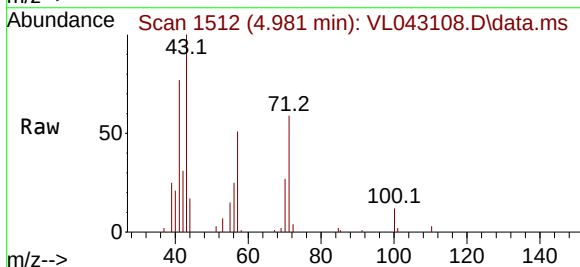
Acq: 14 Oct 2025 12:34

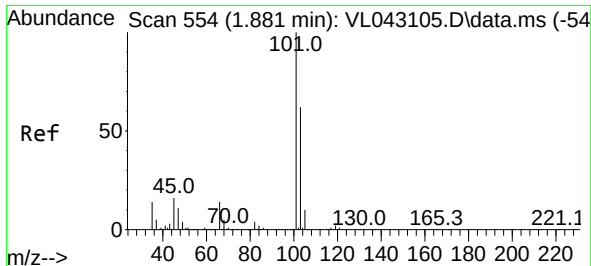
Tgt Ion: 43 Resp: 11097

Ion Ratio Lower Upper

43 100

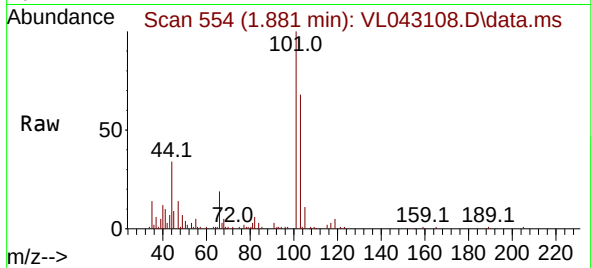
57 0.0 40.8 61.2#





#11
Trichlorofluoromethane
Concen: 0.543 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

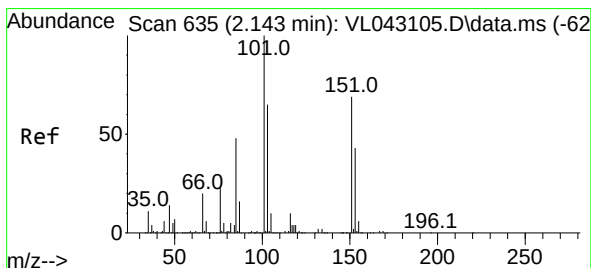
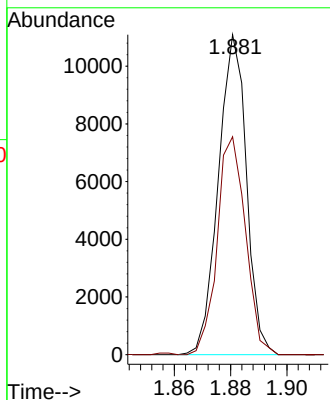
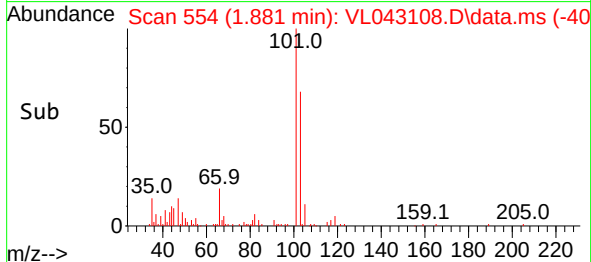
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MSVOA_L
ClientSampleId :
VSTDICC0.5



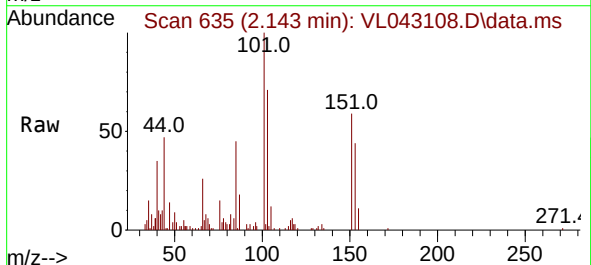
Tgt Ion:101 Resp: 7672
Ion Ratio Lower Upper
101 100
103 68.1 49.3 73.9

Manual Integrations
APPROVED

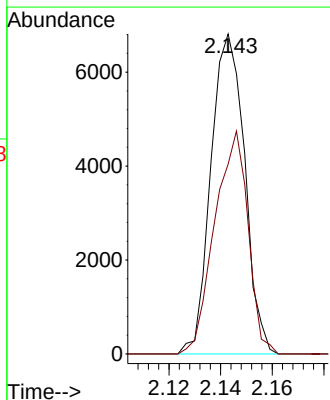
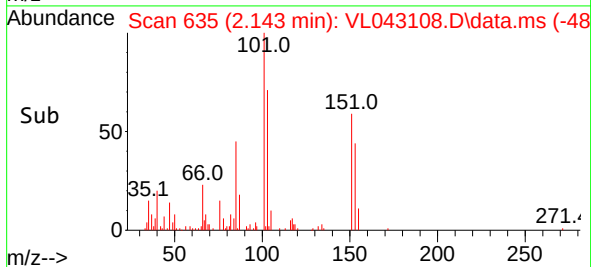
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

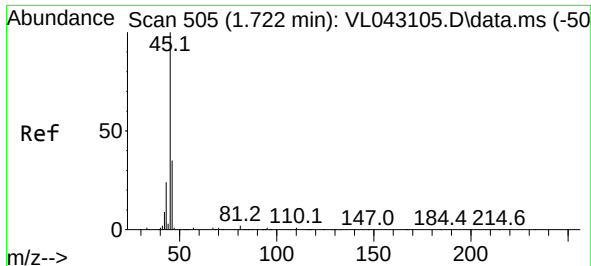


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.543 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34



Tgt Ion:101 Resp: 6173
Ion Ratio Lower Upper
101 100
151 68.8 54.7 82.1





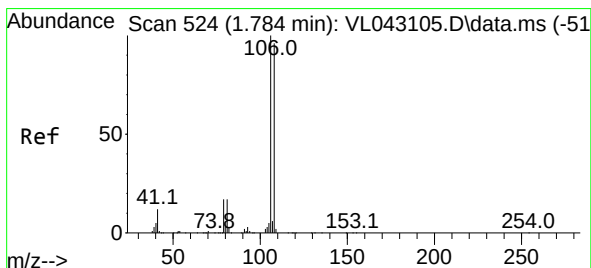
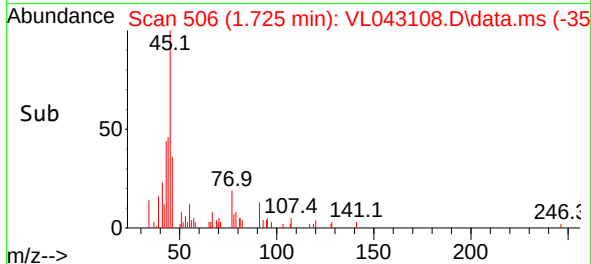
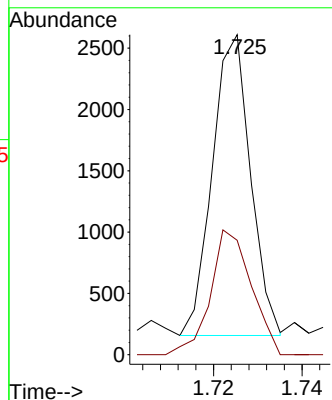
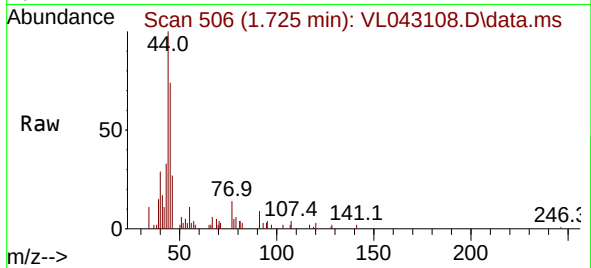
#13
Ethanol
Concen: 0.572 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 45 Resp: 1468
Ion Ratio Lower Upper
45 100
46 45.1 14.7 58.9

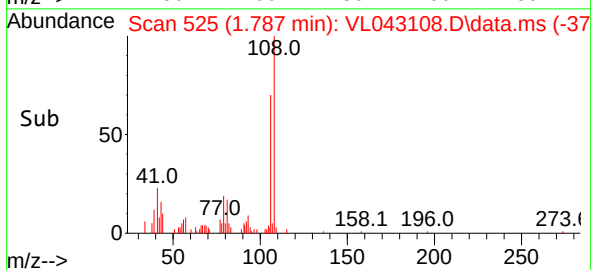
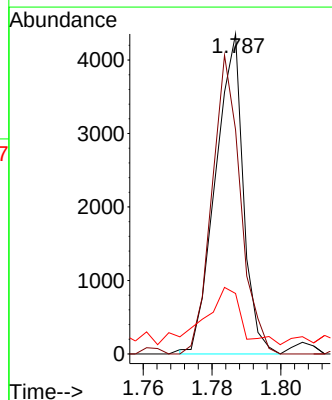
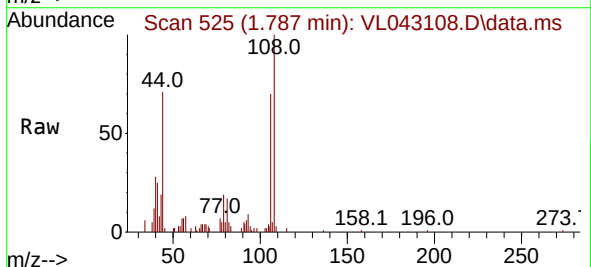
Manual Integrations
APPROVED

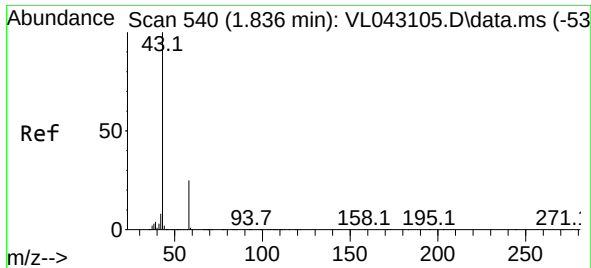
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#14
Bromoethene
Concen: 0.578 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

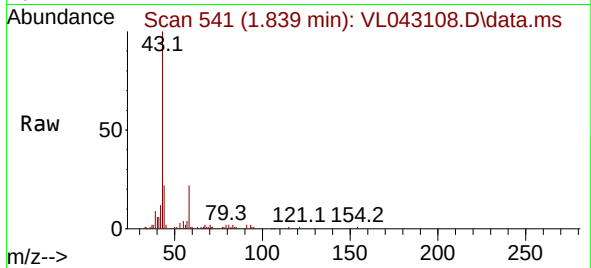
Tgt Ion:108 Resp: 2444
Ion Ratio Lower Upper
108 100
106 98.2 84.4 126.6
79 31.2 15.3 22.9#





#15
Acetone
Concen: 0.576 ppbv
RT: 1.839 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

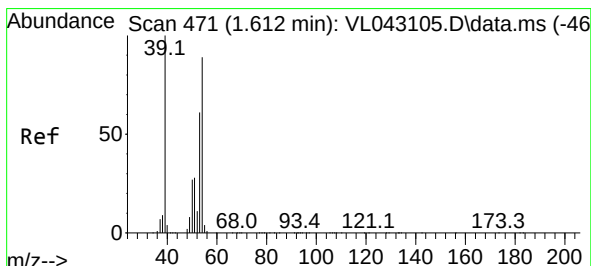
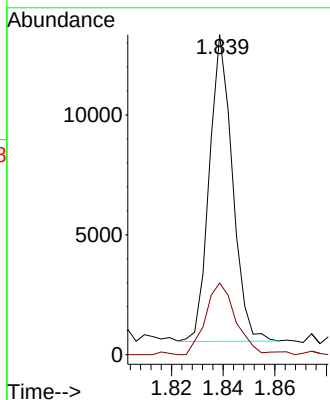
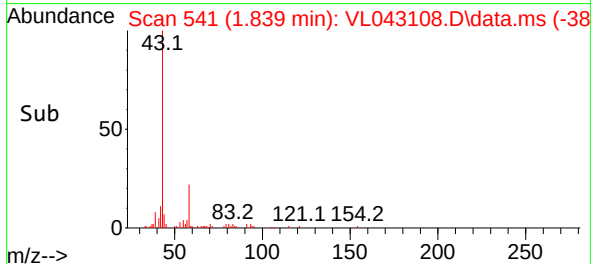
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



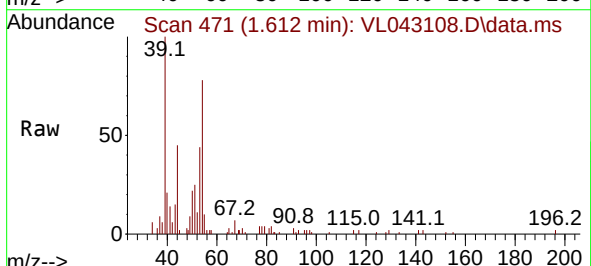
Tgt Ion: 43 Resp: 793
Ion Ratio Lower Upper
43 100
58 32.0 20.8 31.2

Manual Integrations
APPROVED

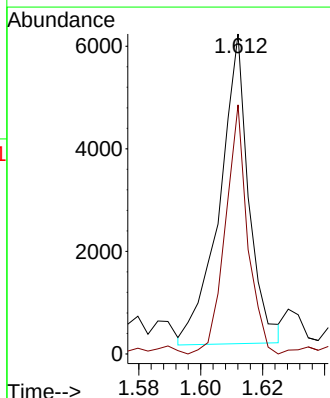
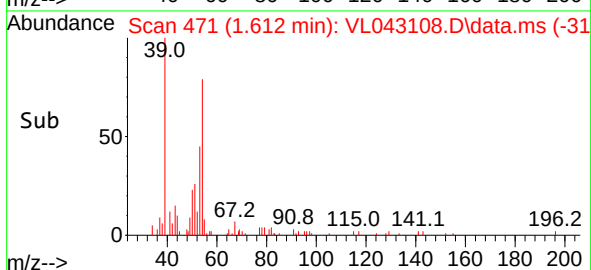
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

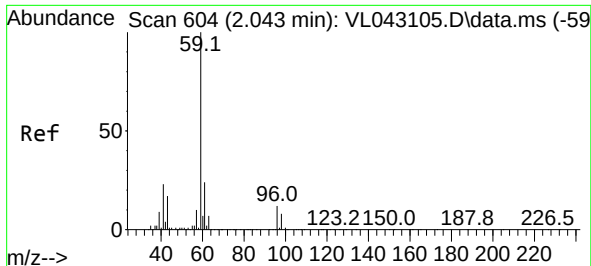


#16
1,3-Butadiene
Concen: 0.607 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34



Tgt Ion: 39 Resp: 3962
Ion Ratio Lower Upper
39 100
54 66.1 59.0 88.4





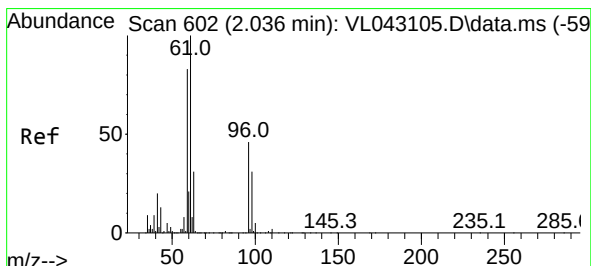
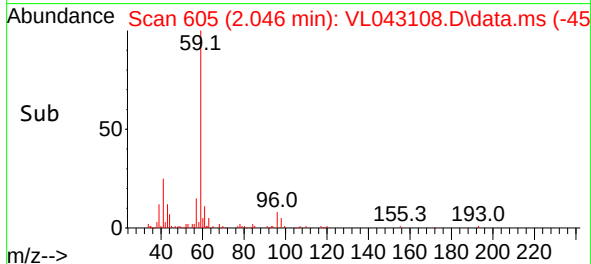
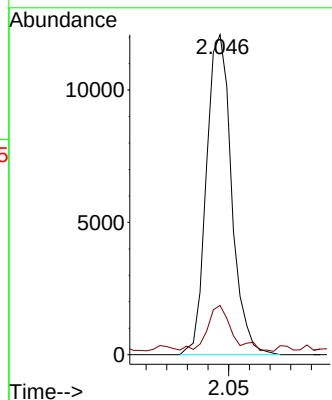
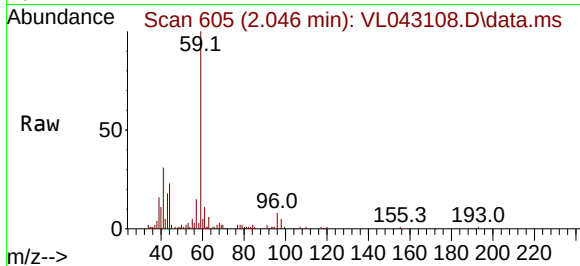
#17
tert-Butyl alcohol
Concen: 0.543 ppbv
RT: 2.046 min Scan# 604
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 59 Resp: 1021
Ion Ratio Lower Upper
59 100
57 14.8 8.2 12.4

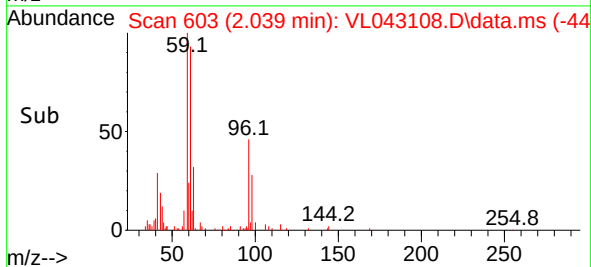
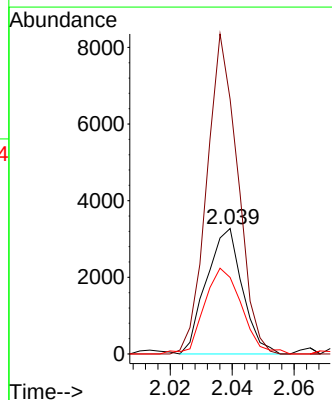
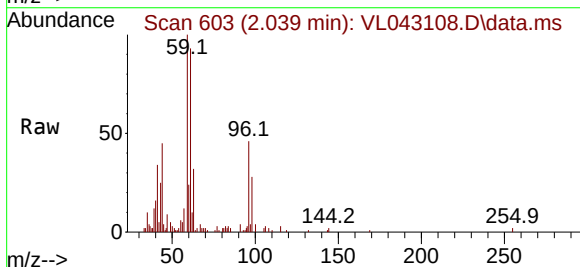
Manual Integrations
APPROVED

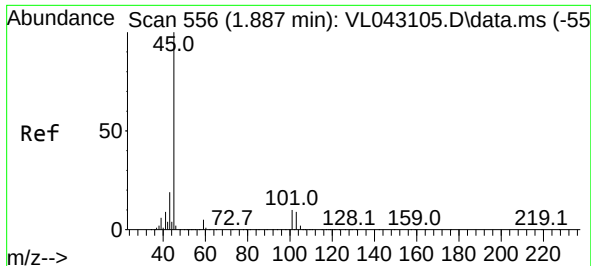
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#18
1,1-Dichloroethene
Concen: 0.531 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

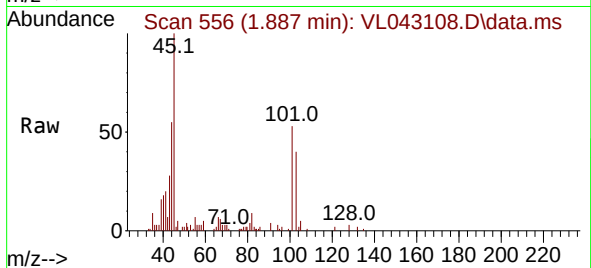
Tgt Ion: 96 Resp: 2636
Ion Ratio Lower Upper
96 100
61 203.1 173.4 260.0
98 59.2 53.2 79.8





#19
Isopropyl Alcohol
Concen: 0.578 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

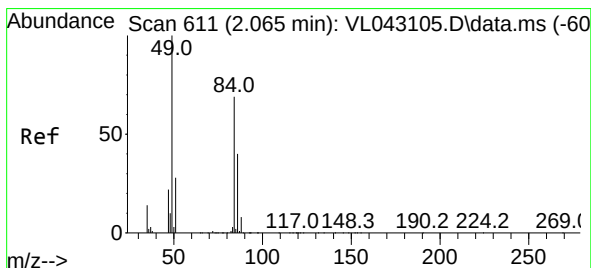
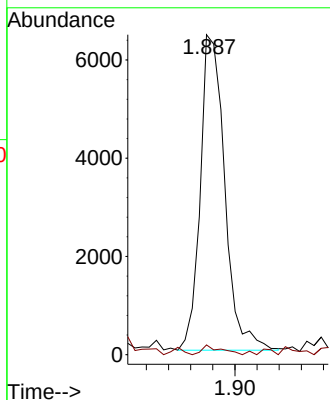
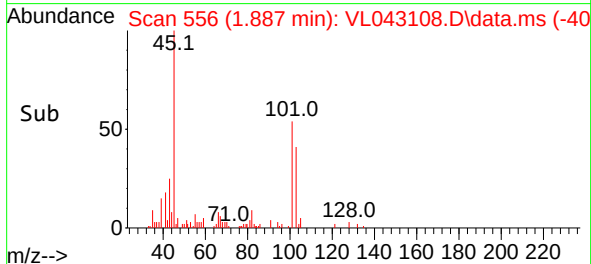
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



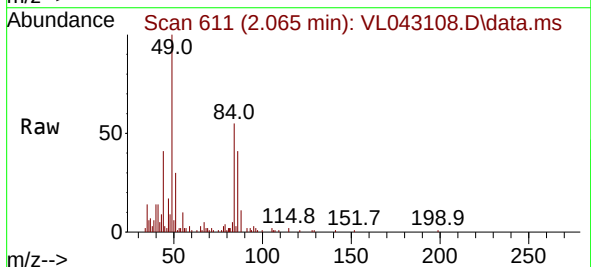
Tgt Ion: 45 Resp: 4932
Ion Ratio Lower Upper
45 100
58 4.1 31.3 46.9

Manual Integrations
APPROVED

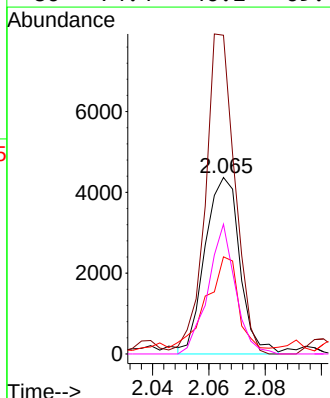
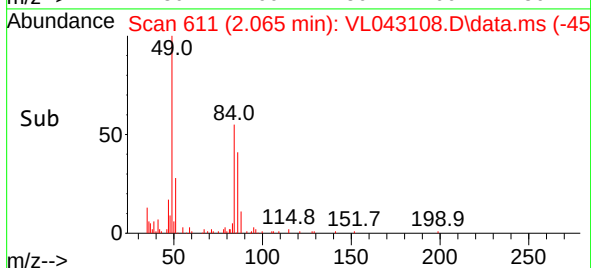
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

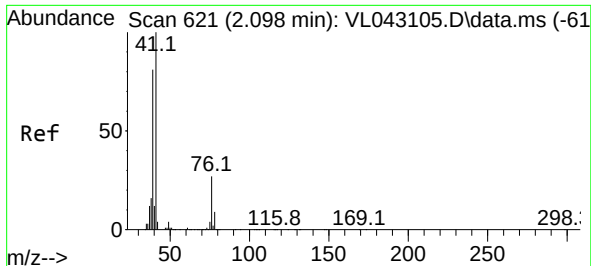


#20
Methylene Chloride
Concen: 0.693 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34



Tgt Ion: 84 Resp: 3750
Ion Ratio Lower Upper
84 100
49 182.8 116.6 175.0#
51 51.9 34.8 52.2
86 74.4 46.2 69.4#





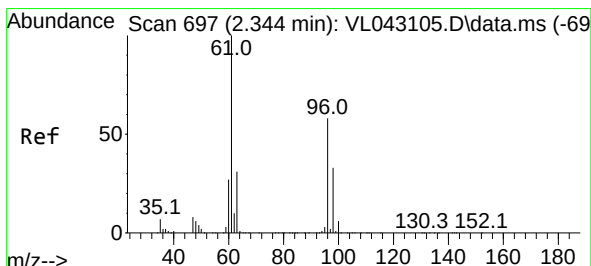
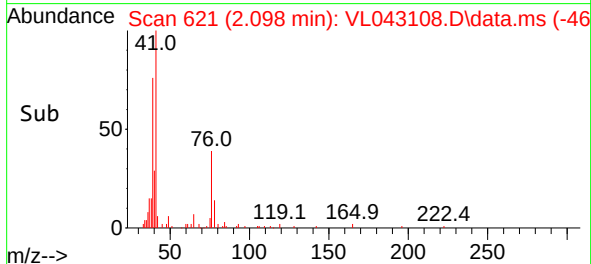
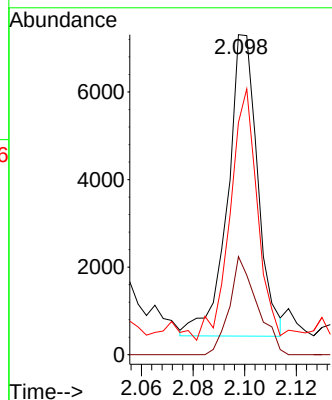
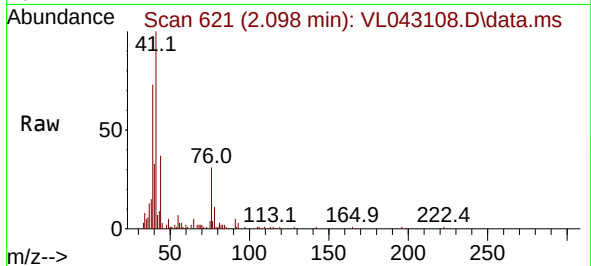
#21
 Allyl Chloride
 Concen: 0.551 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 557
 Ion Ratio Lower Upper
 41 100
 76 30.0 21.5 32.3
 39 75.1 60.8 91.2

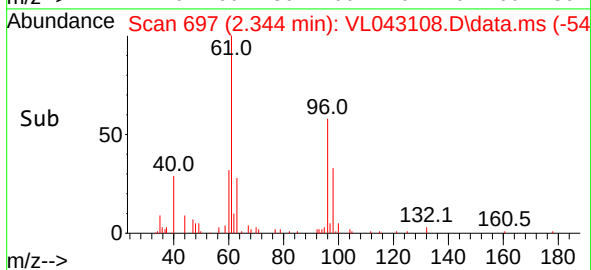
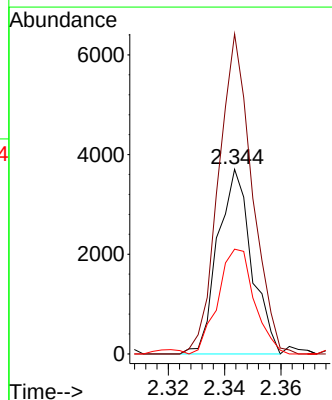
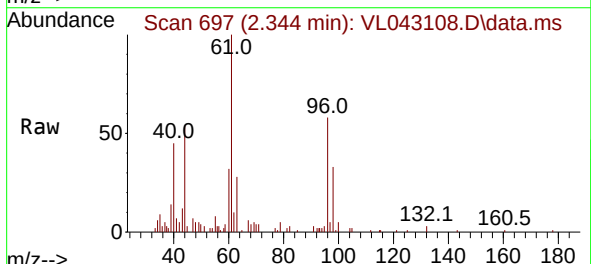
Manual Integrations
 APPROVED

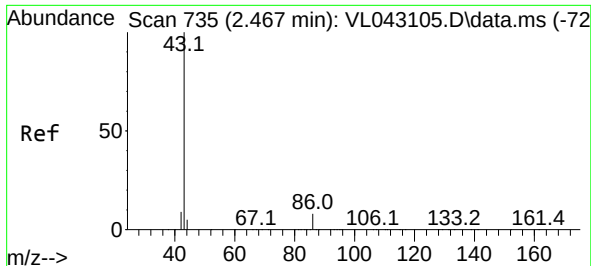
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.522 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

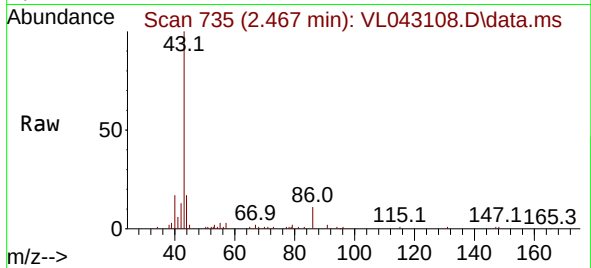
Tgt Ion: 96 Resp: 3093
 Ion Ratio Lower Upper
 96 100
 61 173.3 137.0 205.6
 98 55.0 45.5 68.3





#23
 Vinyl Acetate
 Concen: 0.544 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

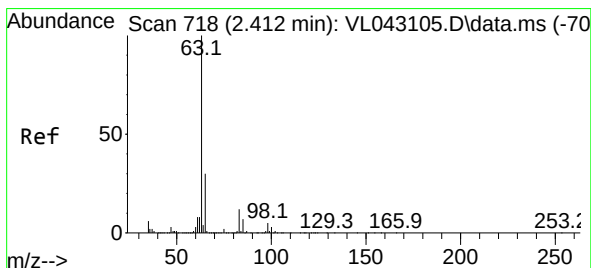
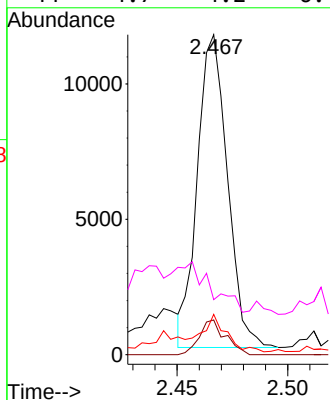
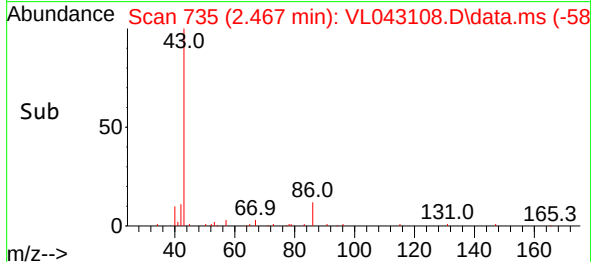
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



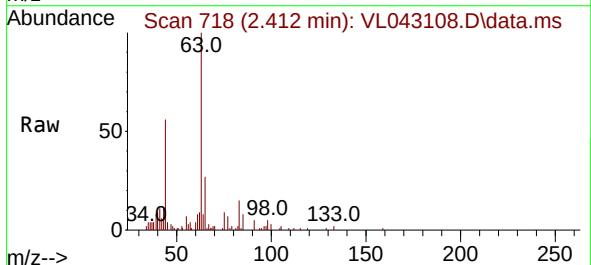
Tgt Ion: 43	Resp: 10914
Ion Ratio	Lower Upper
43 100	
86 11.1	6.2 9.2
42 9.0	7.6 11.4
44 4.7	4.2 6.4

Manual Integrations
 APPROVED

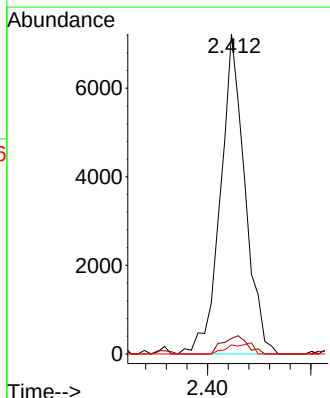
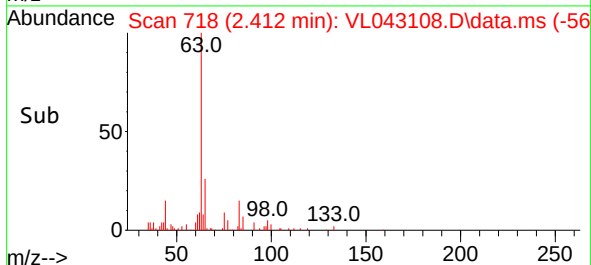
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

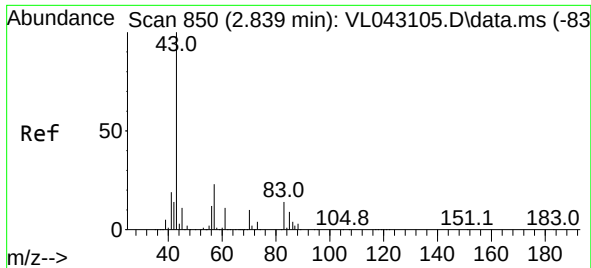


#24
 1,1-Dichloroethane
 Concen: 0.519 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34



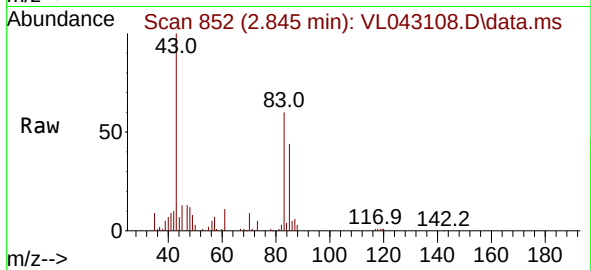
Tgt Ion: 63	Resp: 5942
Ion Ratio	Lower Upper
63 100	
98 4.8	2.6 7.8
100 2.8	1.5 4.4





#25
Ethyl Acetate
Concen: 0.527 ppbv
RT: 2.845 min Scan# 850
Delta R.T. 0.006 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

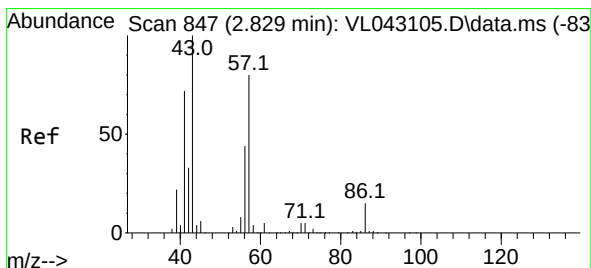
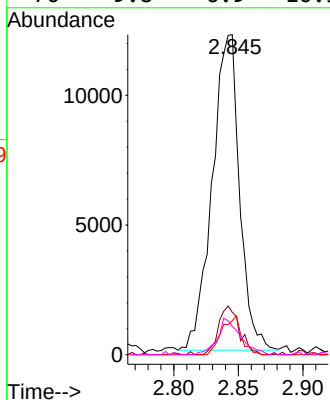
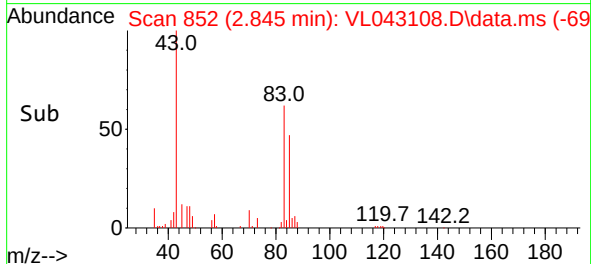
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 43 Resp: 17918
Ion Ratio Lower Upper
43 100
45 12.3 7.8 11.8
61 8.8 7.0 10.6
70 9.8 6.9 10.3

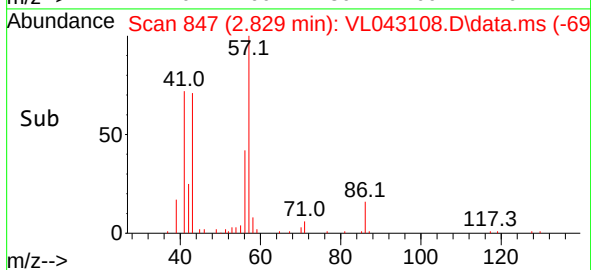
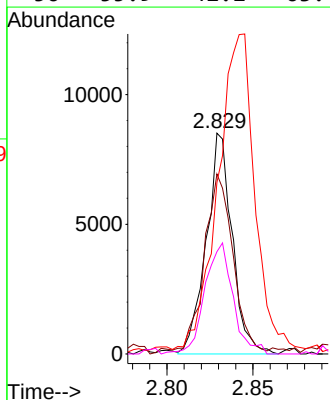
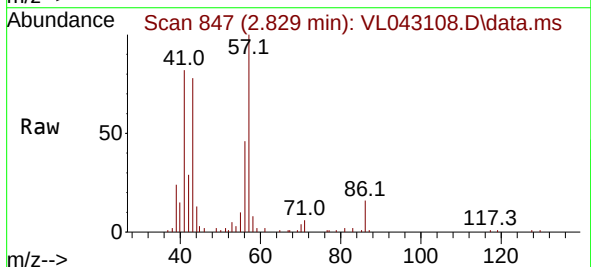
Manual Integrations
APPROVED

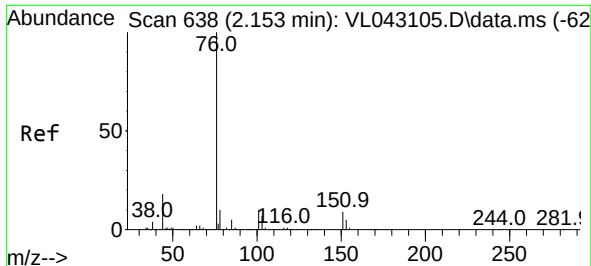
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#26
Hexane
Concen: 0.569 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

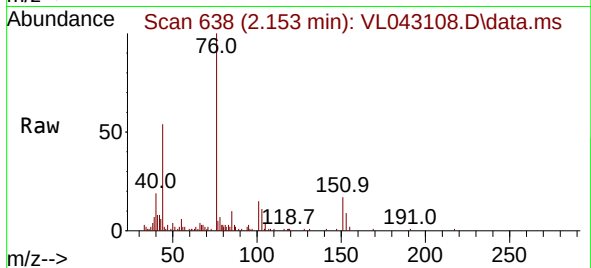
Tgt Ion: 57 Resp: 8908
Ion Ratio Lower Upper
57 100
41 90.3 71.4 107.0
43 211.8 178.5 267.7
56 55.9 42.2 63.4





#27
Carbon Disulfide
Concen: 0.504 ppbv
RT: 2.153 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

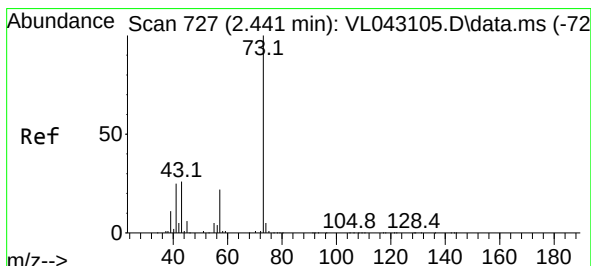
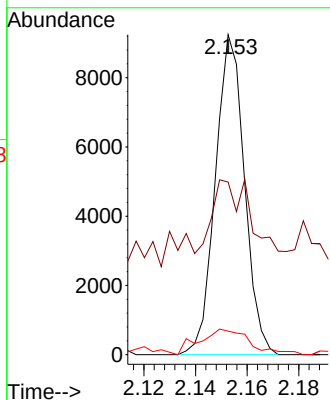
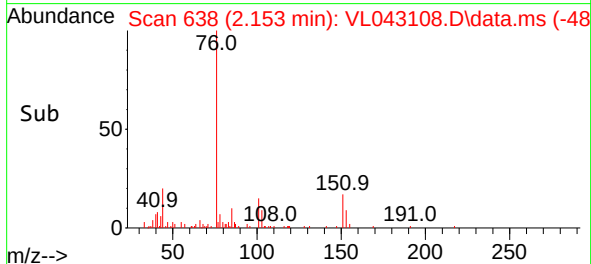
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 76 Resp: 7230
Ion Ratio Lower Upper
76 100
44 120.9 16.7 25.1
78 13.9 9.3 13.9

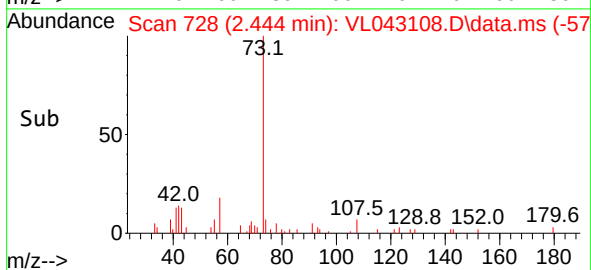
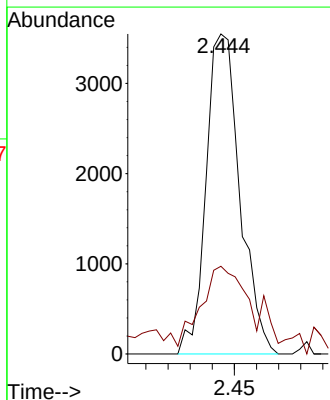
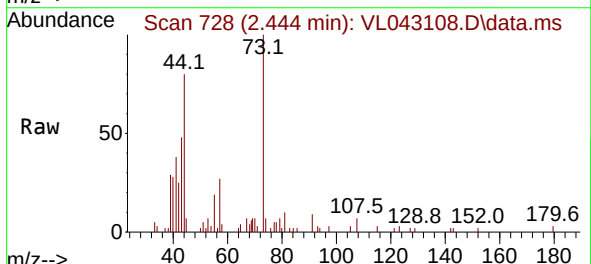
Manual Integrations
APPROVED

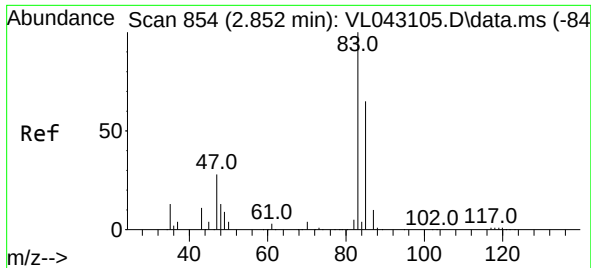
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#28
Methyl tert-Butyl Ether
Concen: 0.529 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 73 Resp: 3770
Ion Ratio Lower Upper
73 100
57 52.7 20.5 30.7





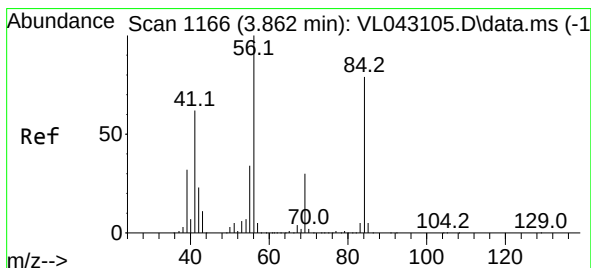
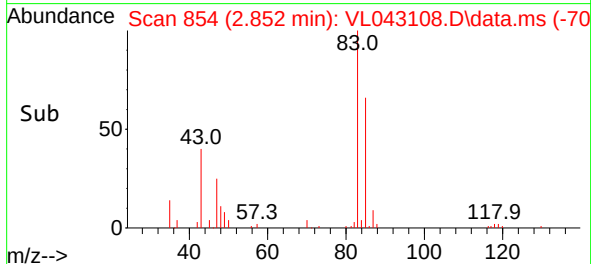
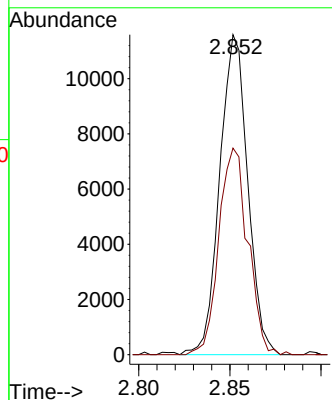
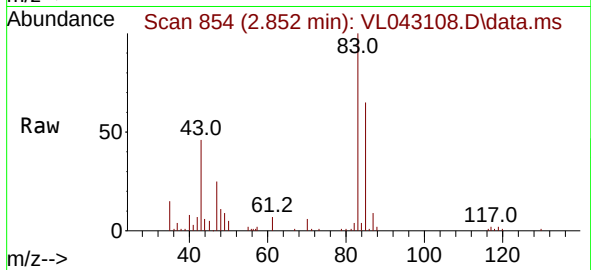
#29
Chloroform
Concen: 0.546 ppbv
RT: 2.852 min Scan# 854
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 12384
Ion Ratio Lower Upper
83 100
85 64.5 51.8 77.6

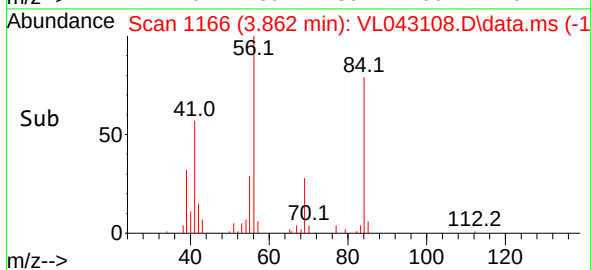
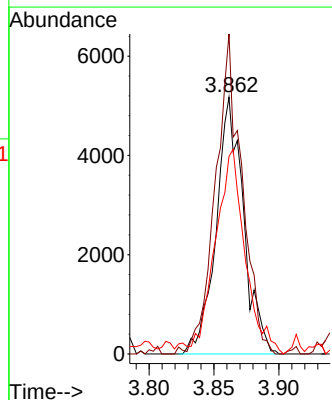
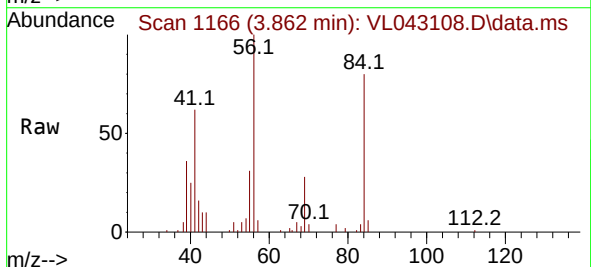
Manual Integrations
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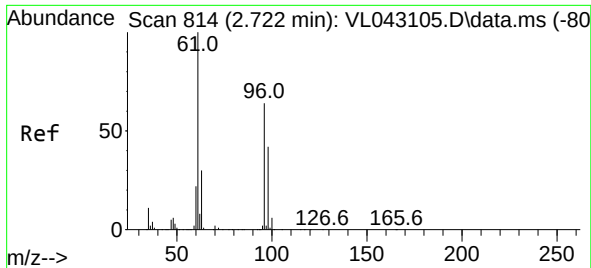
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#30
Cyclohexane
Concen: 0.556 ppbv m
RT: 3.862 min Scan# 1166
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

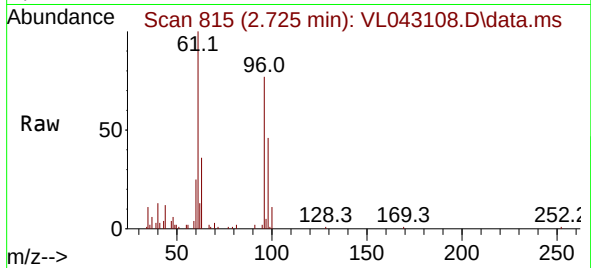
Tgt Ion: 84 Resp: 7586
Ion Ratio Lower Upper
84 100
56 121.2 100.9 151.3
41 91.7 63.8 95.6





#31
 cis-1,2-Dichloroethene
 Concen: 0.507 ppbv
 RT: 2.725 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

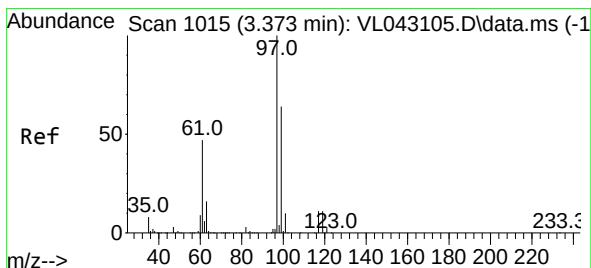
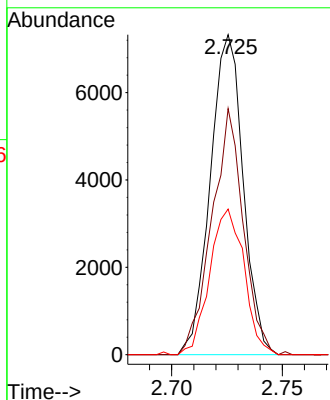
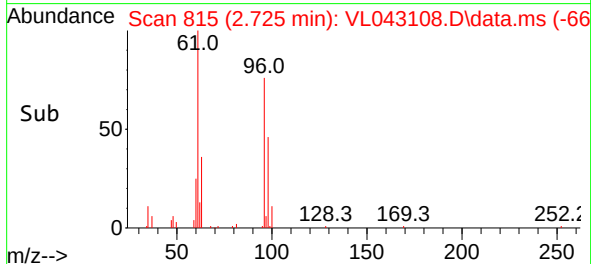
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



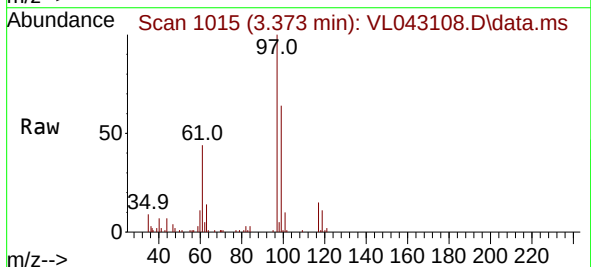
Tgt Ion: 61 Resp: 7570
 Ion Ratio Lower Upper
 61 100
 96 76.9 51.0 76.6
 98 45.5 33.5 50.3

Manual Integrations
 APPROVED

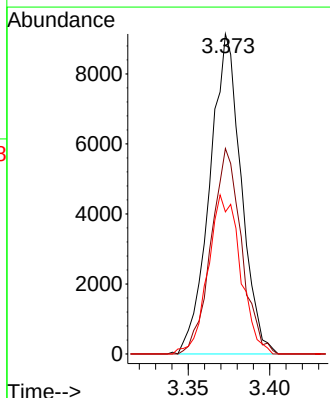
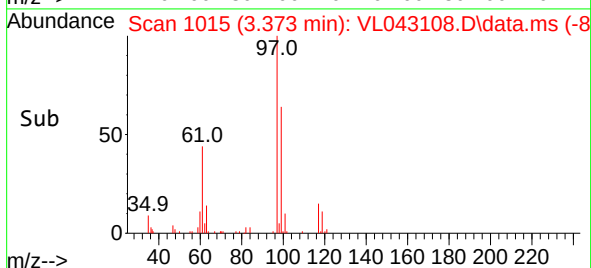
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

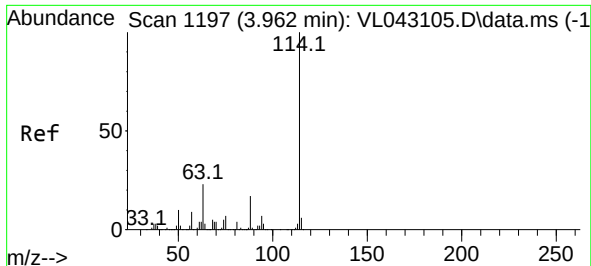


#32
 1,1,1-Trichloroethane
 Concen: 0.518 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34



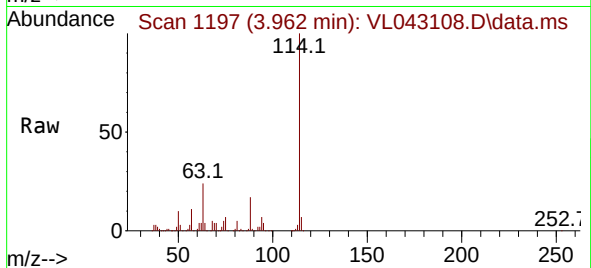
Tgt Ion: 97 Resp: 12234
 Ion Ratio Lower Upper
 97 100
 99 62.0 51.3 76.9
 61 51.2 38.4 57.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

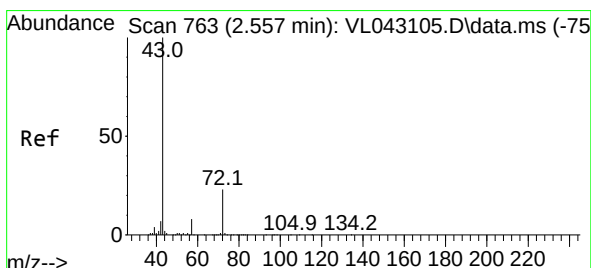
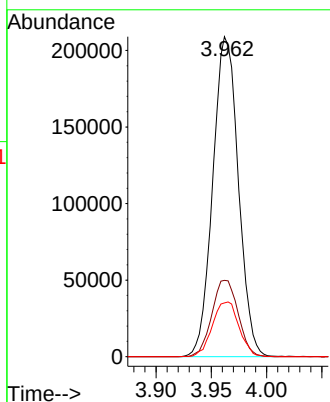
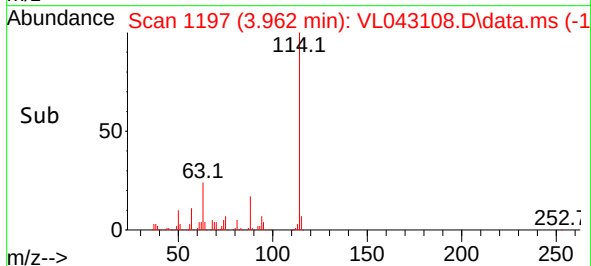
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



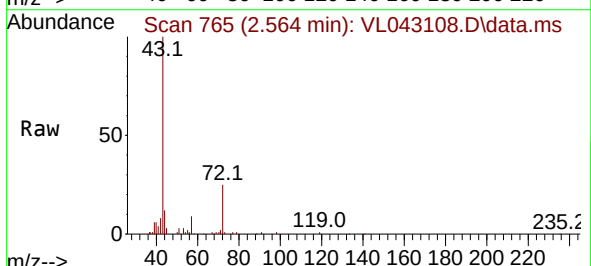
Tgt Ion:114 Resp: 336188
Ion Ratio Lower Upper
114 100
63 24.6 19.3 28.9
88 17.9 13.9 20.9

Manual Integrations
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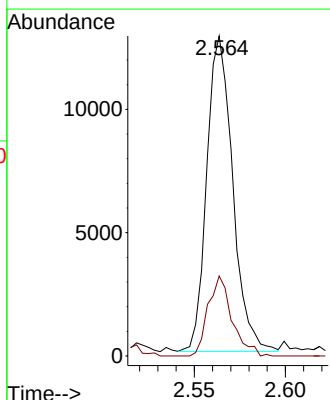
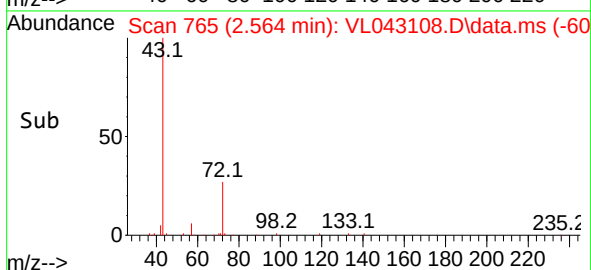
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

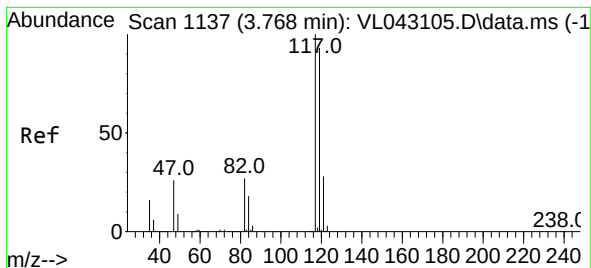


#34
2-Butanone
Concen: 0.557 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.006 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34



Tgt Ion: 43 Resp: 12659
Ion Ratio Lower Upper
43 100
72 23.4 18.4 27.6





#35

Carbon Tetrachloride

Concen: 0.494 ppbv

RT: 3.768 min Scan# 1137

Delta R.T. -0.000 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_L

ClientSampleId :

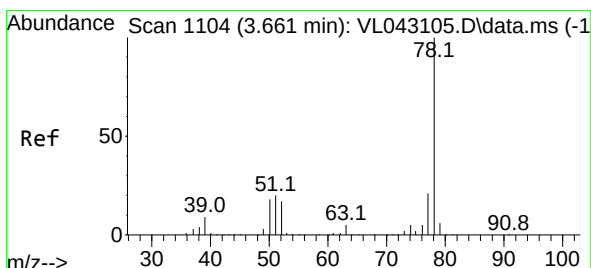
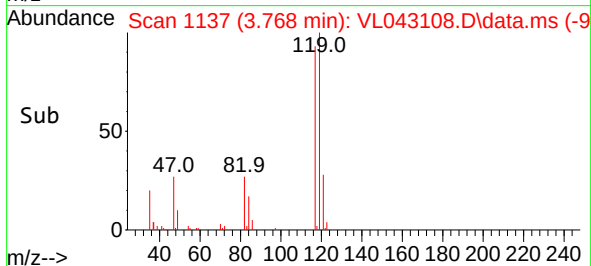
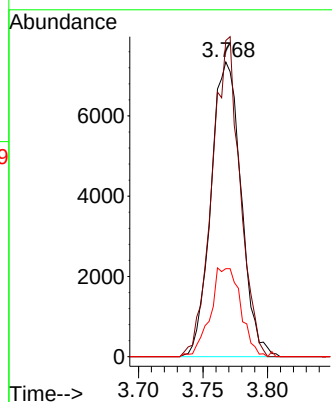
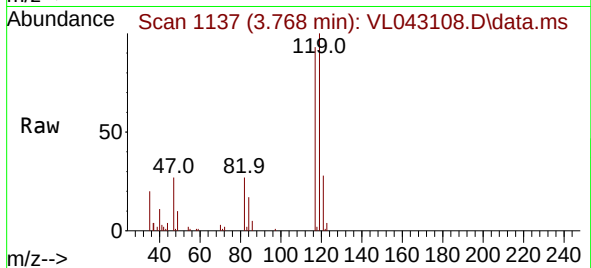
VSTDICC0.5

Tgt Ion:	117	Resp:	1193
Ion Ratio	Lower	Upper	
117	100		
119	107.3	74.1	111.1
121	29.9	22.2	33.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#36

Benzene

Concen: 0.517 ppbv

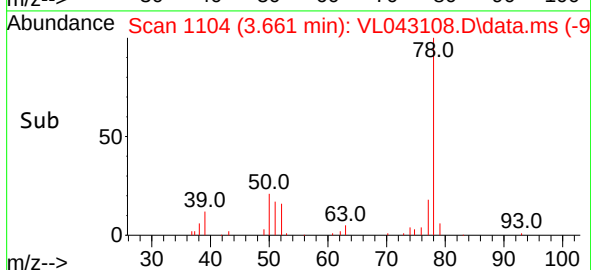
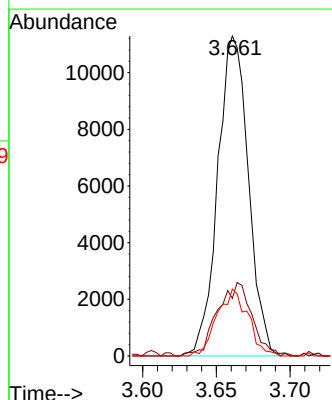
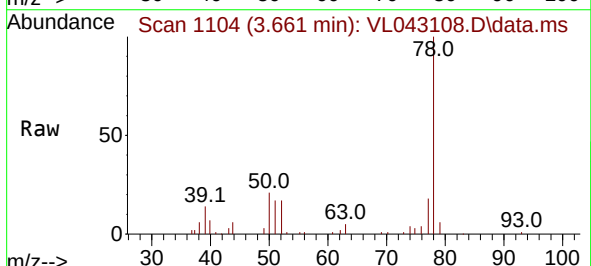
RT: 3.661 min Scan# 1104

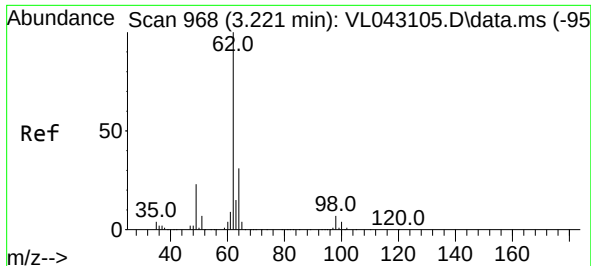
Delta R.T. -0.000 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Tgt Ion:	78	Resp:	16376
Ion Ratio	Lower	Upper	
78	100		
77	18.0	17.0	25.6
50	20.9	14.6	22.0





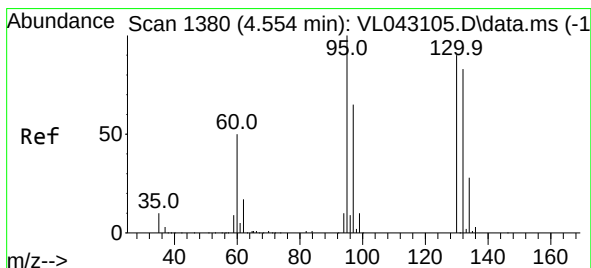
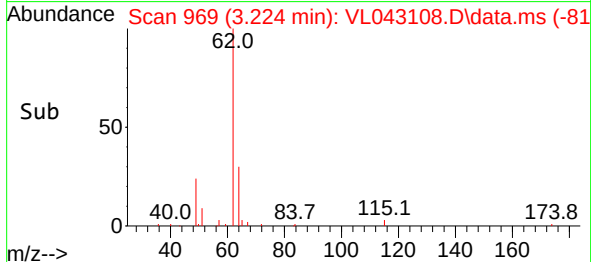
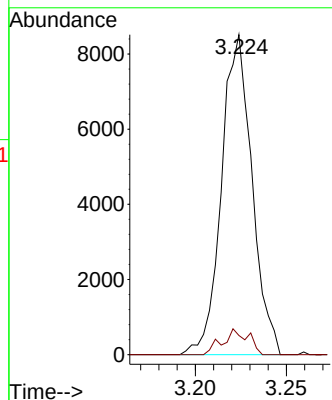
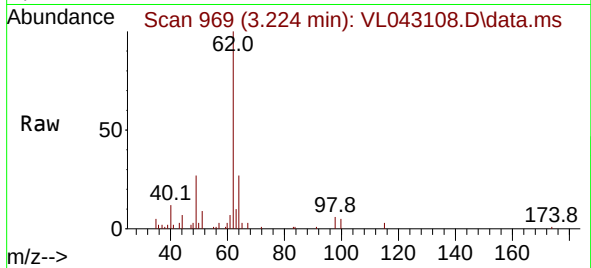
#37
1,2-Dichloroethane
Concen: 0.543 ppbv
RT: 3.224 min Scan# 968
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 62 Resp: 990
Ion Ratio Lower Upper
62 100
98 6.8 5.8 8.6

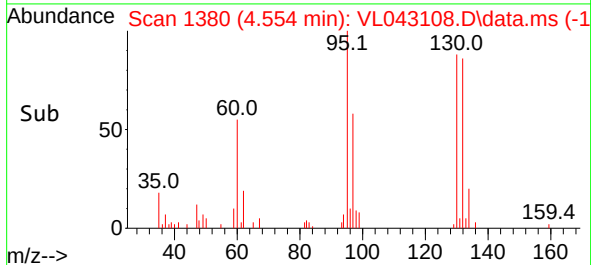
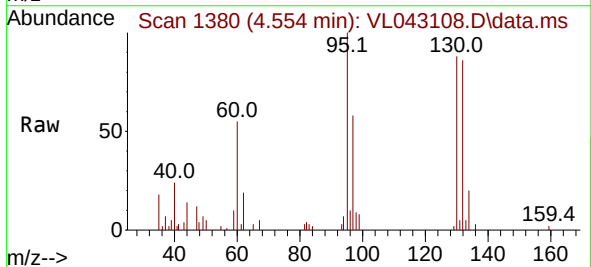
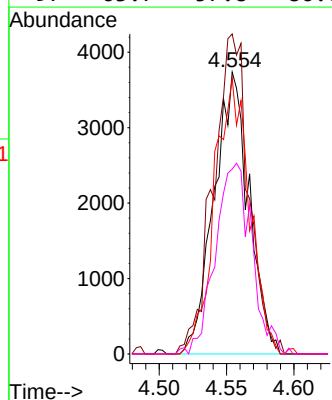
Manual Integrations
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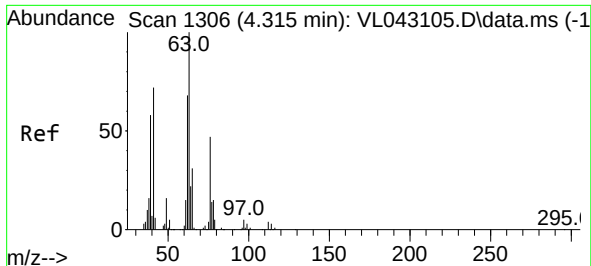
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#38
Trichloroethene
Concen: 0.511 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:130 Resp: 6745
Ion Ratio Lower Upper
130 100
95 110.7 88.6 133.0
132 97.8 73.4 110.0
97 63.7 57.8 86.6





#39

1,2-Dichloropropane

Concen: 0.521 ppbv

RT: 4.318 min Scan# 1306

Delta R.T. 0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_L

ClientSampleId :

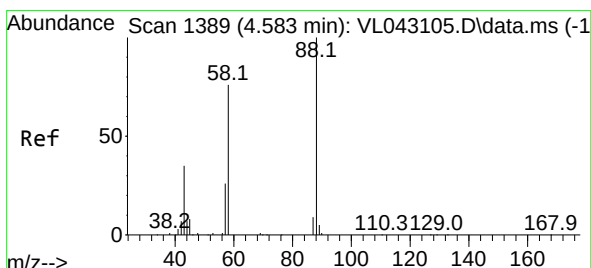
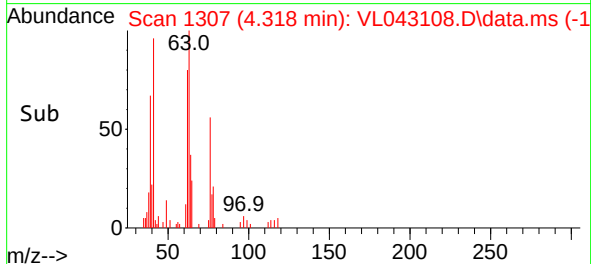
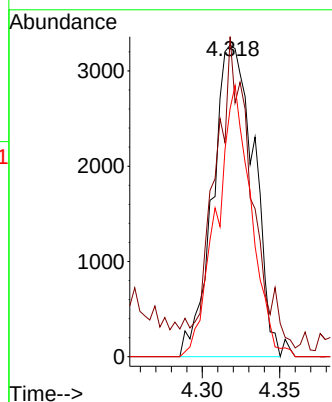
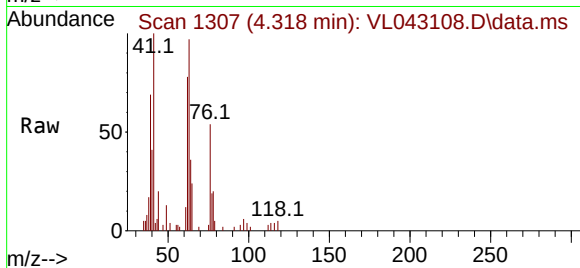
VSTDICC0.5

Tgt Ion:	63	Resp:	603
Ion	Ratio	Lower	Upper
63	100		
41	93.9	58.0	87.0#
62	79.6	54.7	82.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#40

1,4-Dioxane

Concen: 0.539 ppbv m

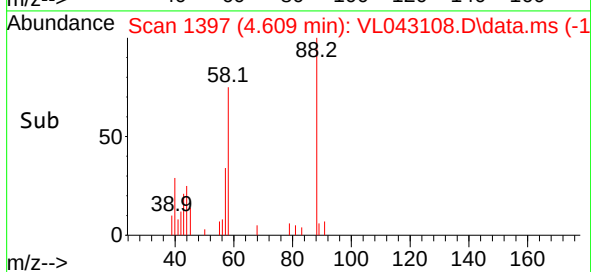
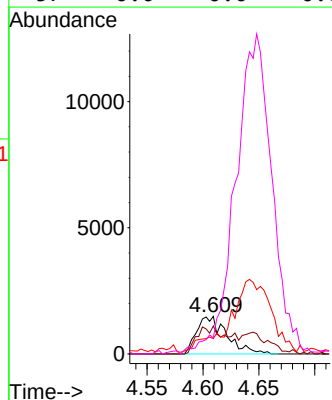
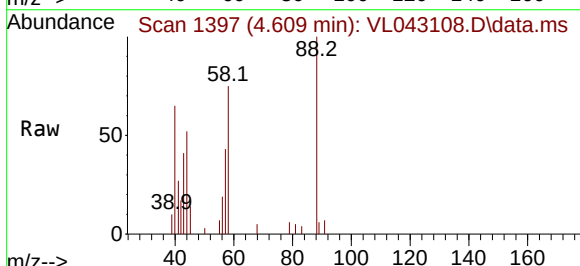
RT: 4.609 min Scan# 1397

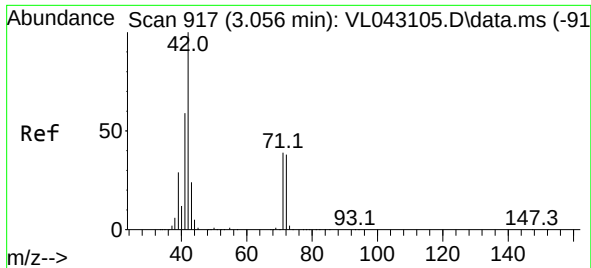
Delta R.T. 0.026 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

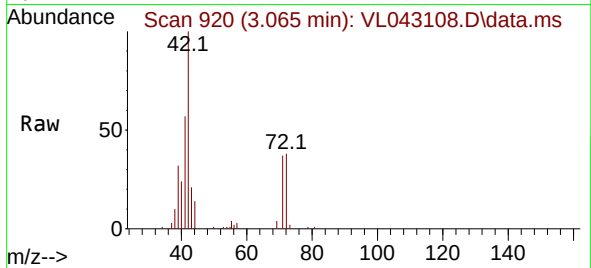
Tgt Ion:	88	Resp:	2794
Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.1	91.7#
43	11.4	24.0	36.0#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.565 ppbv m
RT: 3.065 min Scan# 917
Delta R.T. 0.009 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

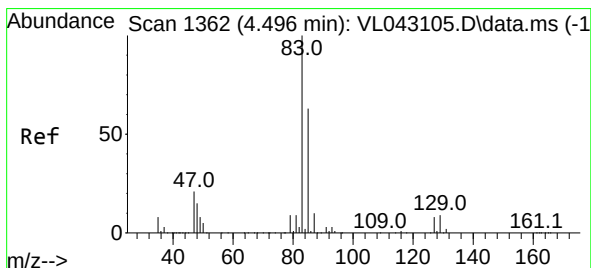
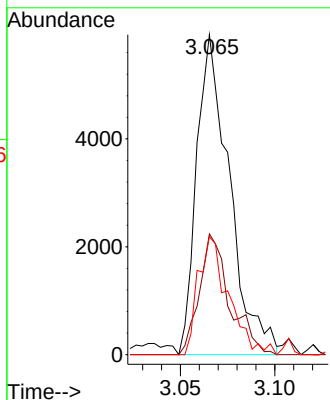
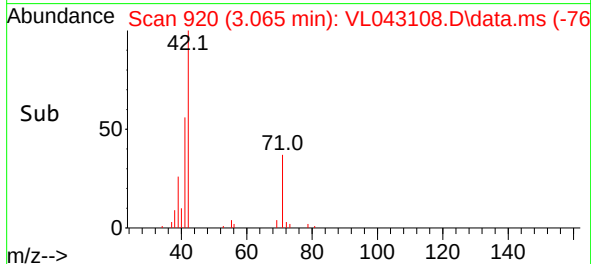
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



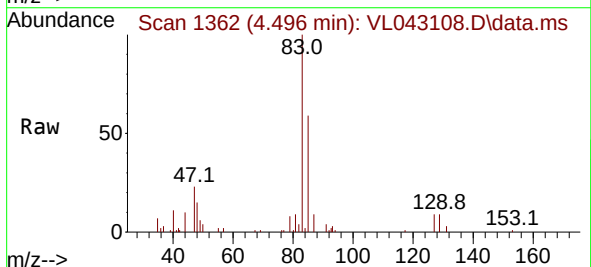
Tgt Ion: 42 Resp: 7174
Ion Ratio Lower Upper
42 100
72 34.8 31.3 46.9
71 35.5 30.4 45.6

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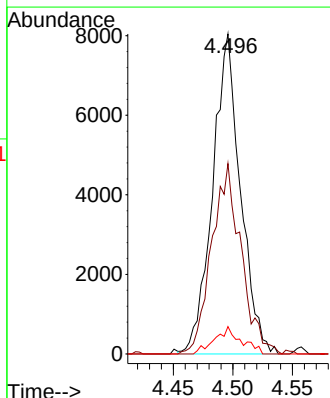
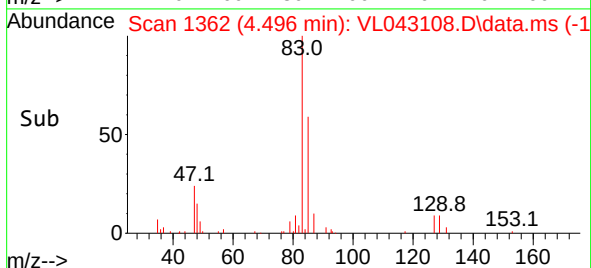
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

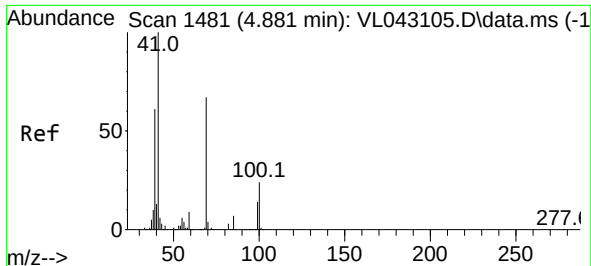


#42
Bromodichloromethane
Concen: 0.519 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34



Tgt Ion: 83 Resp: 13094
Ion Ratio Lower Upper
83 100
85 59.5 50.6 75.8
127 8.5 6.3 9.5





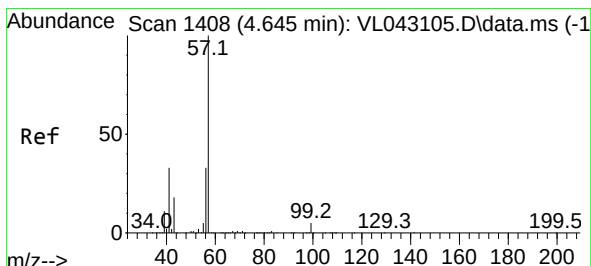
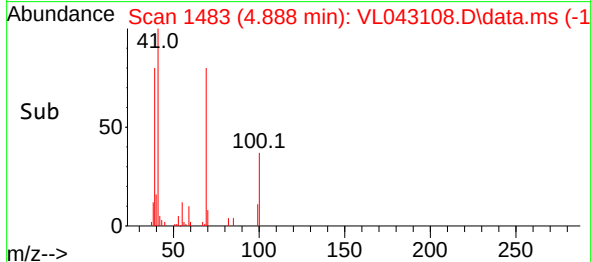
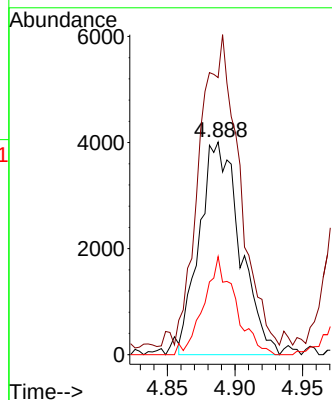
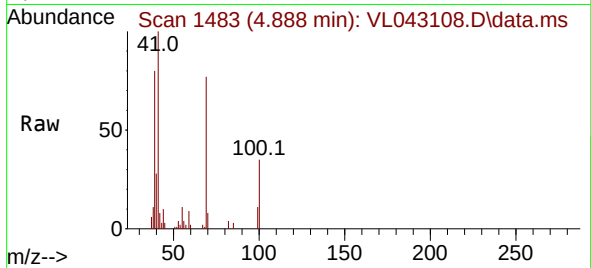
#43
Methyl Methacrylate
Concen: 0.521 ppbv m
RT: 4.888 min Scan# 1481
Delta R.T. 0.006 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 69 Resp: 841
Ion Ratio Lower Upper
69 100
41 0.0 120.5 180.7
100 35.6 29.0 43.4

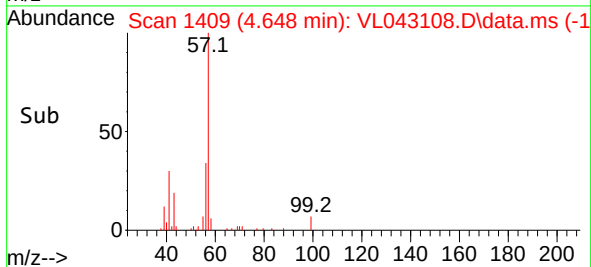
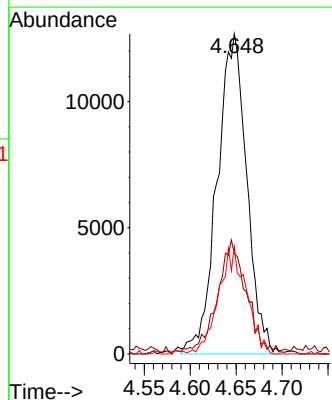
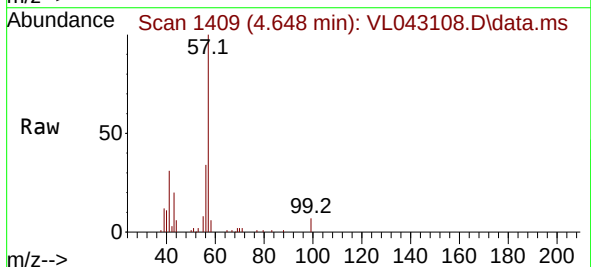
Manual Integrations
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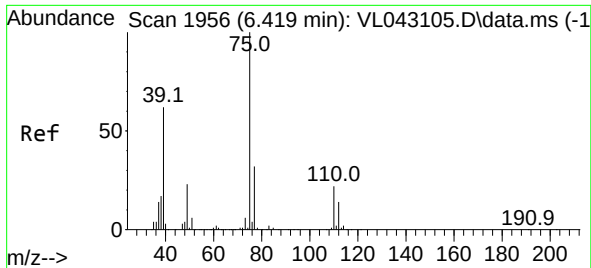
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#44
2,2,4-Trimethylpentane
Concen: 0.538 ppbv m
RT: 4.648 min Scan# 1409
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 57 Resp: 28494
Ion Ratio Lower Upper
57 100
41 32.8 26.3 39.5
56 32.0 25.9 38.9





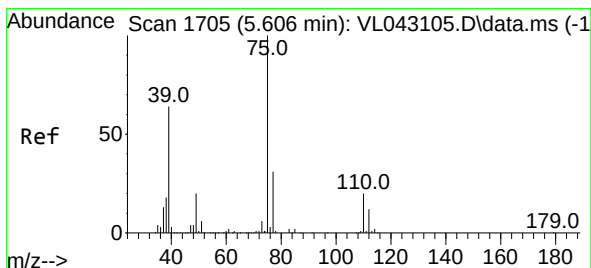
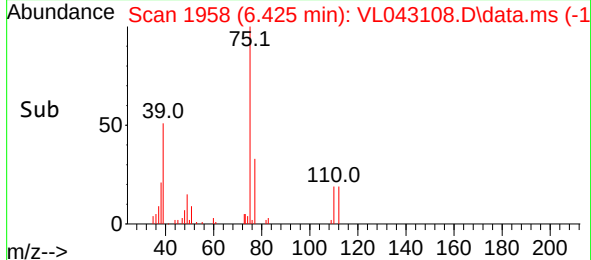
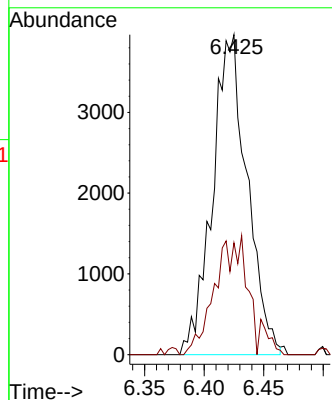
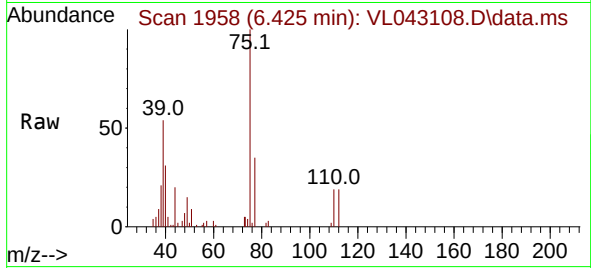
#45
 t-1,3-Dichloropropene
 Concen: 0.498 ppbv
 RT: 6.425 min Scan# 1956
 Delta R.T. 0.006 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 75 Resp: 8030
 Ion Ratio Lower Upper
 75 100
 77 34.9 25.4 38.2

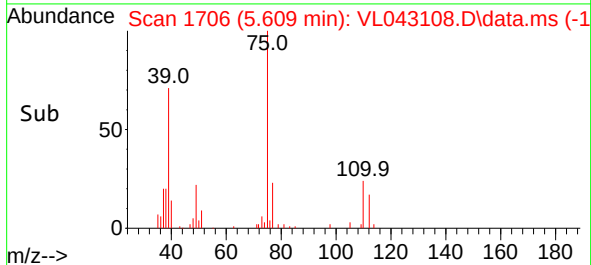
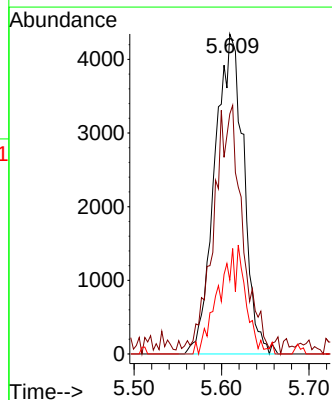
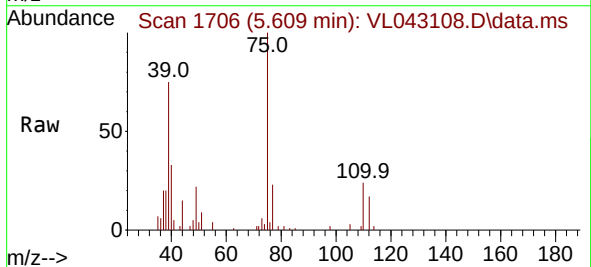
Manual Integrations
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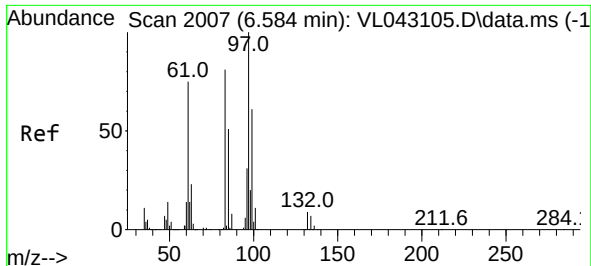
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025



#46
 cis-1,3-Dichloropropene
 Concen: 0.518 ppbv m
 RT: 5.609 min Scan# 1706
 Delta R.T. 0.003 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

Tgt Ion: 75 Resp: 9973
 Ion Ratio Lower Upper
 75 100
 39 75.0 51.0 76.6
 77 23.1 25.0 37.4#





#47

1,1,2-Trichloroethane

Concen: 0.560 ppbv

RT: 6.587 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

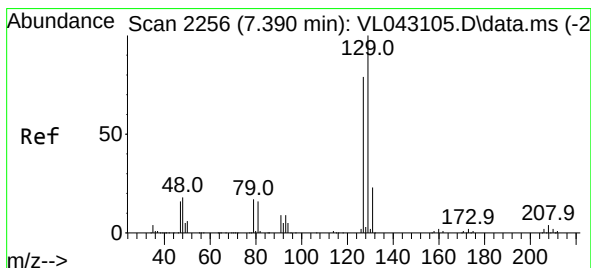
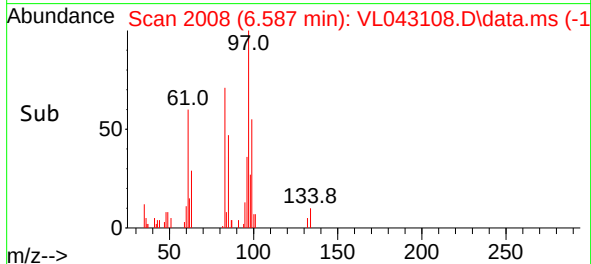
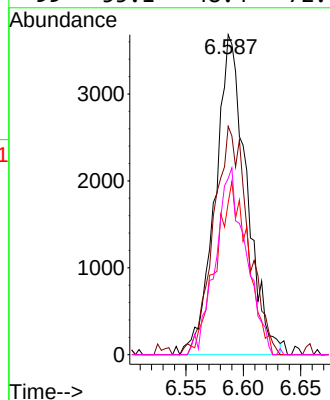
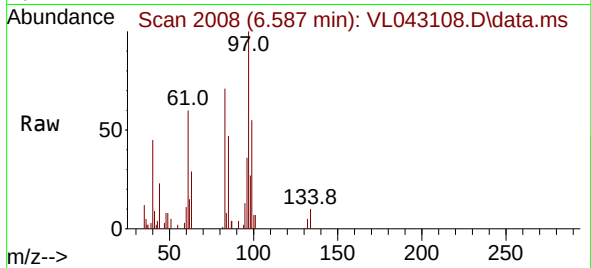
Tgt Ion: 97	Resp: 6990
Ion Ratio	Lower Upper
97 100	
83 71.4	64.6 96.8
85 47.5	40.6 60.8
99 55.1	48.4 72.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#48

Dibromochloromethane

Concen: 0.498 ppbv

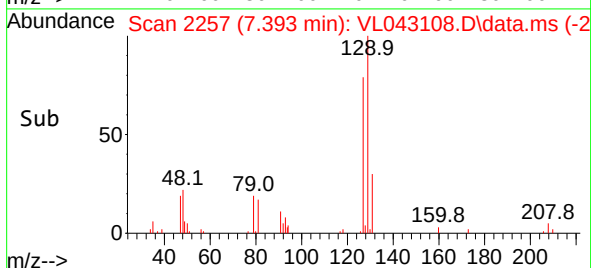
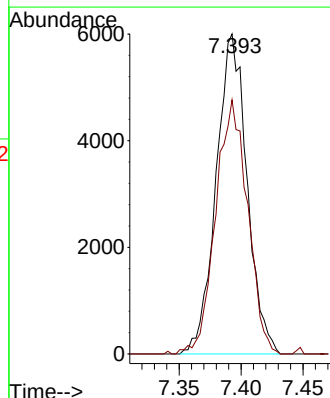
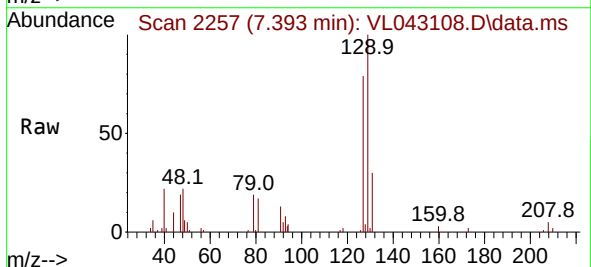
RT: 7.393 min Scan# 2257

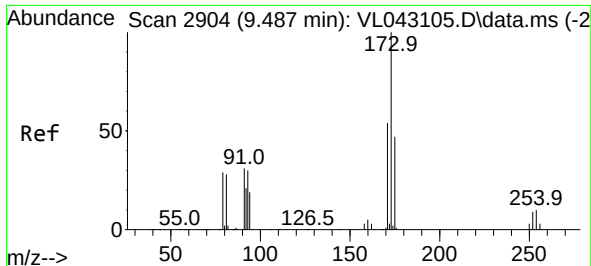
Delta R.T. 0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Tgt Ion:129	Resp: 10413
Ion Ratio	Lower Upper
129 100	
127 82.2	39.3 117.9





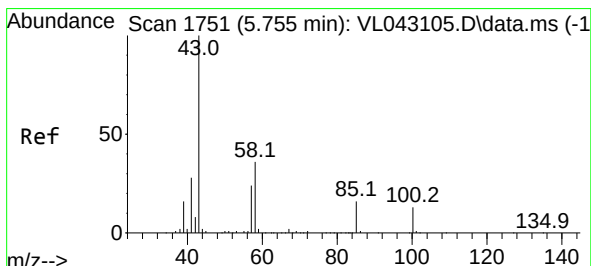
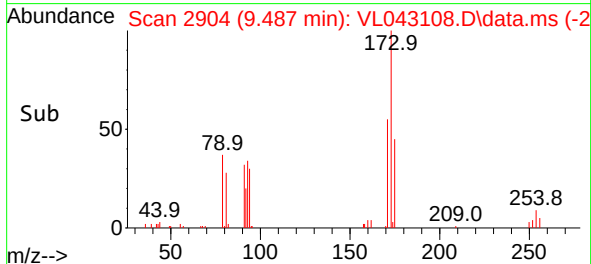
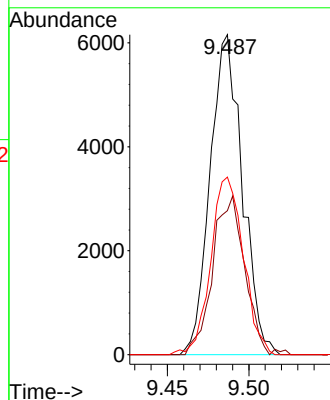
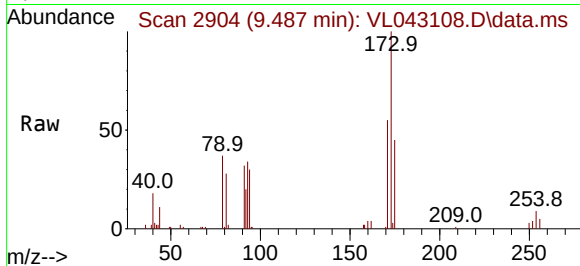
#49
Bromoform
Concen: 0.498 ppbv
RT: 9.487 min Scan# 2904
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:173 Resp: 845
Ion Ratio Lower Upper
173 100
175 49.6 38.8 58.2
171 56.3 41.7 62.5

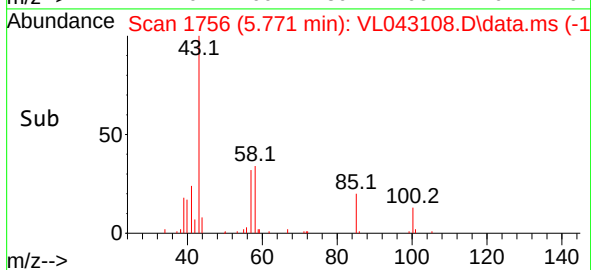
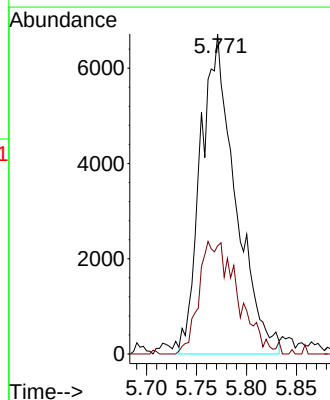
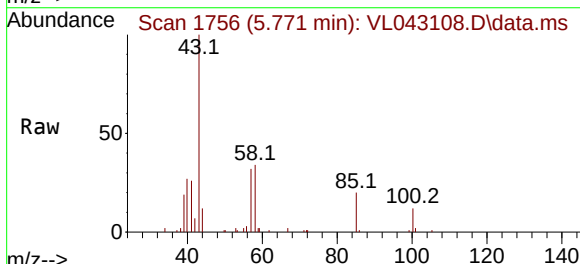
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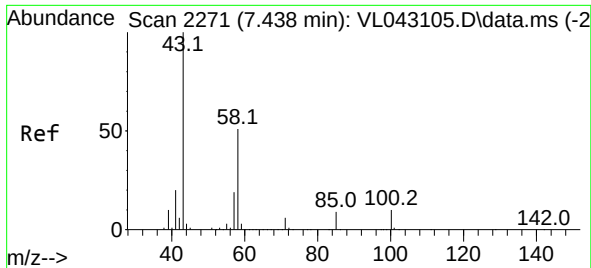
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#50
4-Methyl-2-Pentanone
Concen: 0.520 ppbv m
RT: 5.771 min Scan# 1756
Delta R.T. 0.016 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 43 Resp: 16289
Ion Ratio Lower Upper
43 100
58 0.0 29.1 43.7#





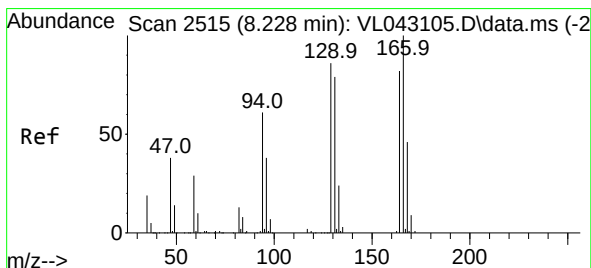
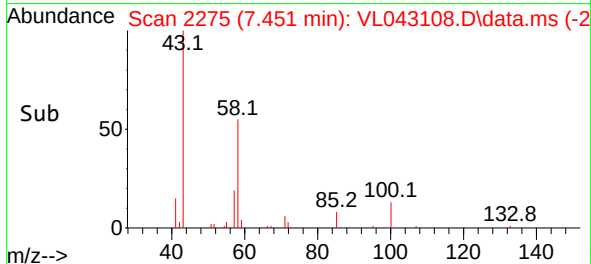
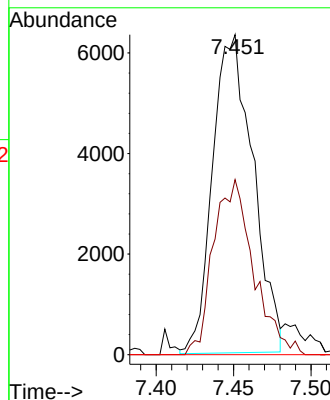
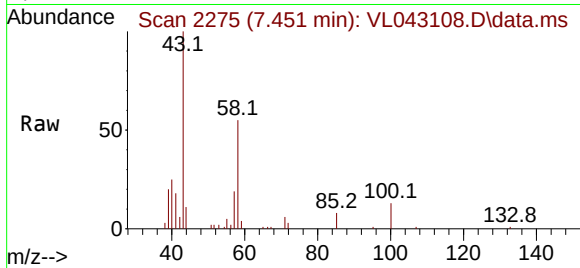
#51
2-Hexanone
Concen: 0.491 ppbv
RT: 7.451 min Scan# 21148
Delta R.T. 0.013 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 1148
Ion Ratio Lower Upper
43 100
58 54.7 40.4 60.6
98 0.0 0.1 0.1

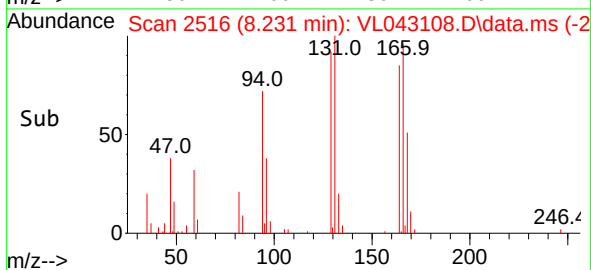
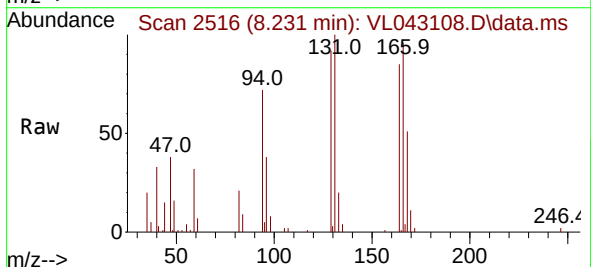
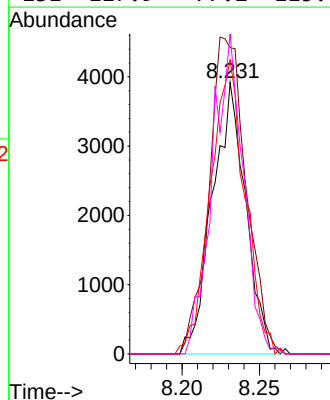
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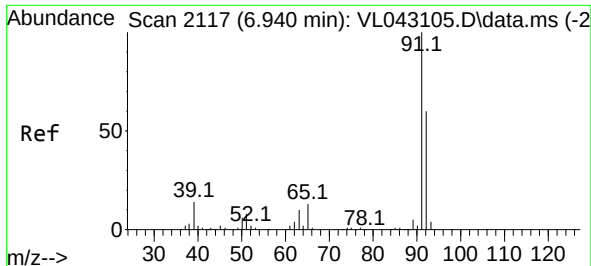
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#52
Tetrachloroethene
Concen: 0.513 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

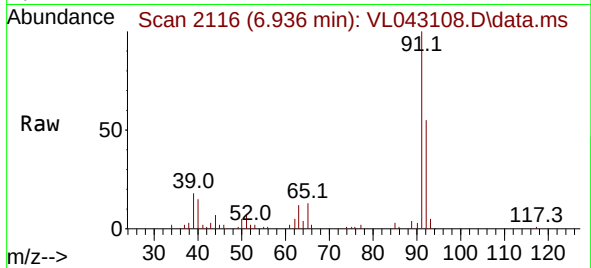
Tgt Ion:164 Resp: 5863
Ion Ratio Lower Upper
164 100
166 112.8 97.6 146.4
129 106.1 84.5 126.7
131 117.9 77.2 115.8





#53
Toluene
Concen: 0.542 ppbv
RT: 6.936 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

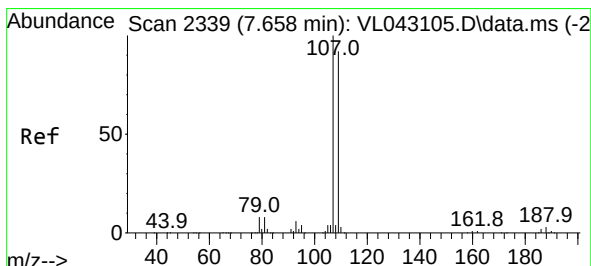
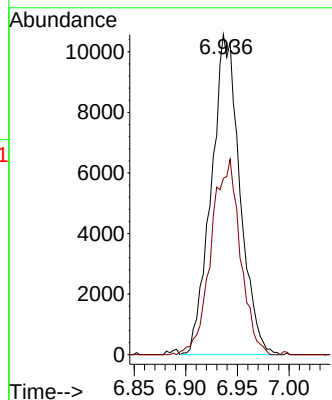
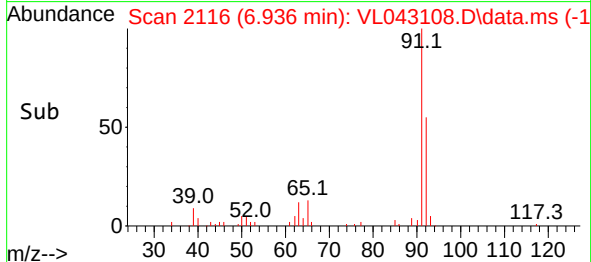
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



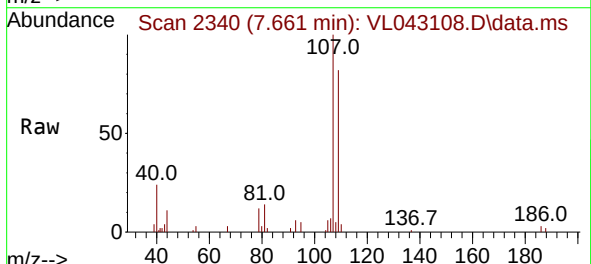
Tgt Ion: 91 Resp: 20380
Ion Ratio Lower Upper
91 100
92 62.1 48.8 73.2

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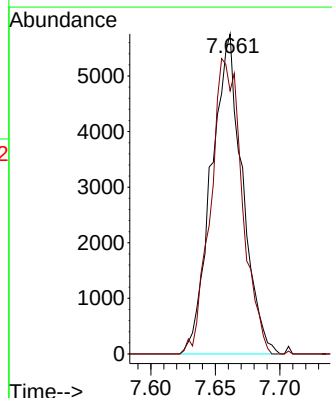
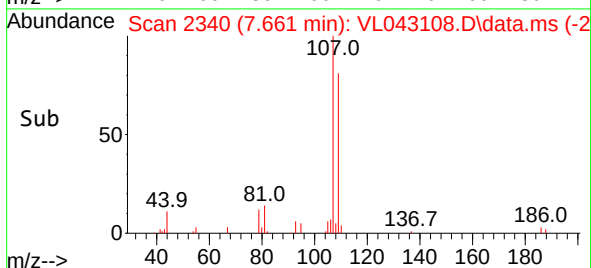
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

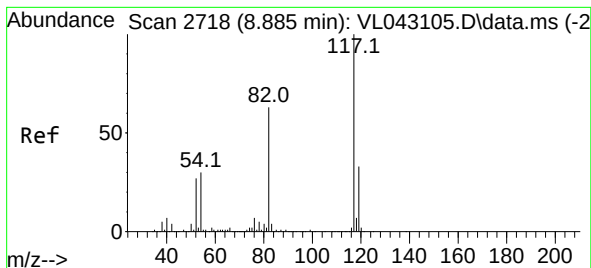


#54
1,2-Dibromoethane
Concen: 0.486 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34



Tgt Ion:107 Resp: 9586
Ion Ratio Lower Upper
107 100
109 82.2 73.4 110.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. 0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

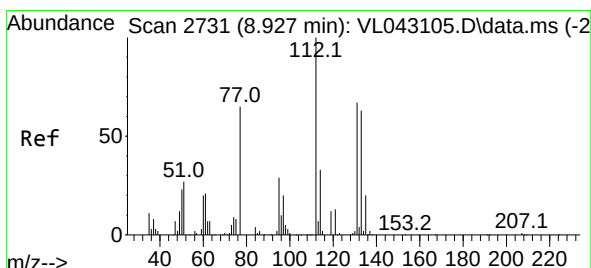
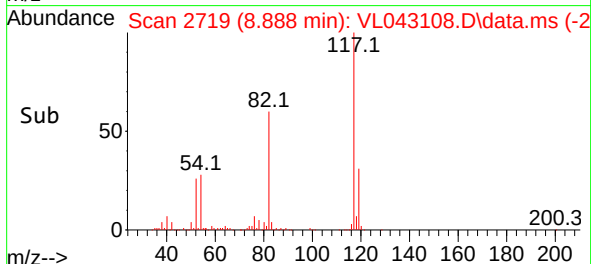
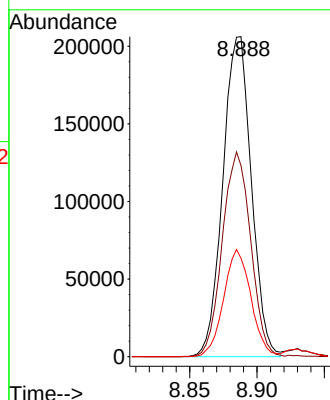
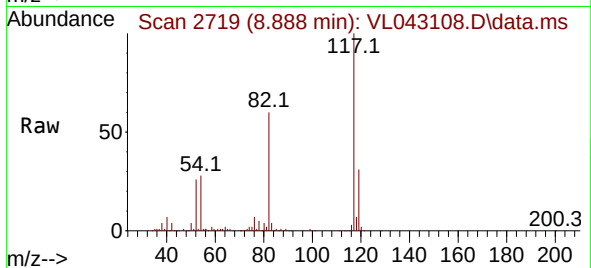
Tgt Ion:117 Resp: 30344

Ion	Ratio	Lower	Upper
117	100		
82	63.9	53.8	80.8
119	32.1	25.4	38.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 0.525 ppbv

RT: 8.930 min Scan# 2732

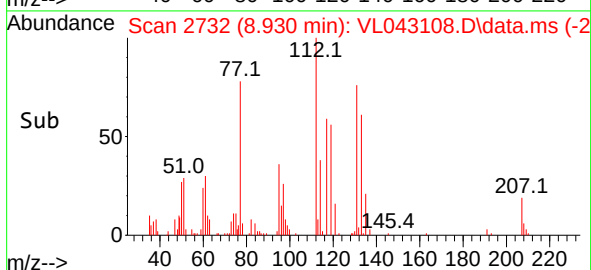
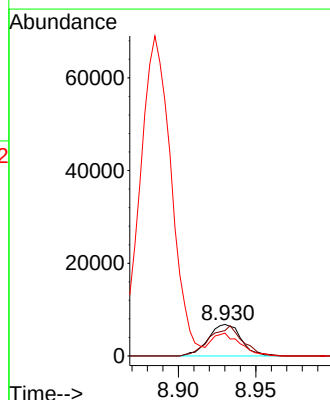
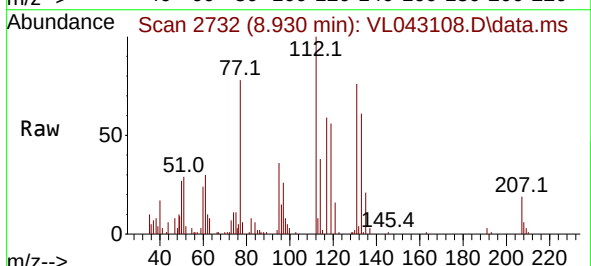
Delta R.T. 0.003 min

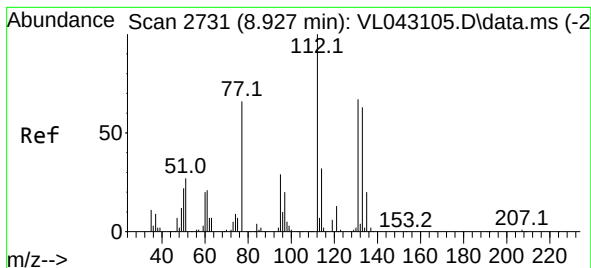
Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Tgt Ion:131 Resp: 10044

Ion	Ratio	Lower	Upper
131	100		
133	94.6	75.7	113.5
119	1032.5	50.6	76.0#





#57

Chlorobenzene

Concen: 0.540 ppbv

RT: 8.927 min Scan# 2731

Delta R.T. -0.000 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_L

ClientSampleId :

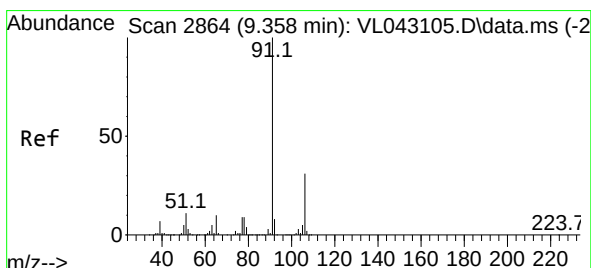
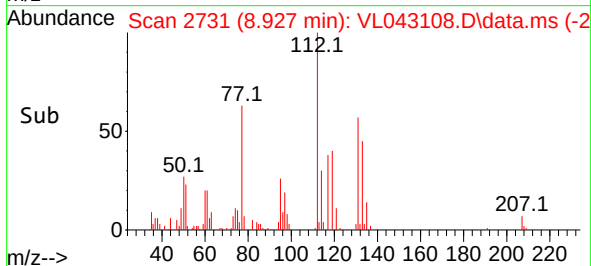
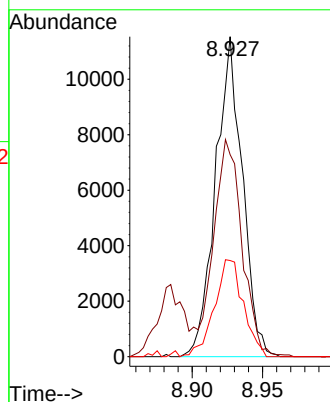
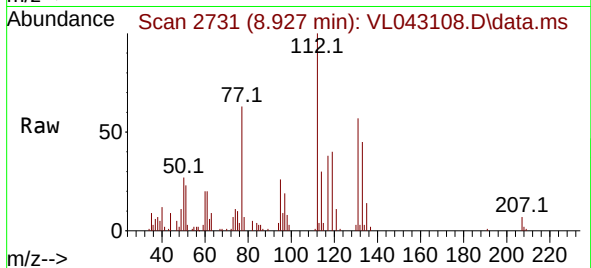
VSTDICC0.5

Tgt Ion:	112	Resp:	15318
Ion Ratio	Lower	Upper	
112	100		
77	62.5	53.3	79.9
114	30.0	29.3	35.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#58

Ethyl Benzene

Concen: 0.521 ppbv

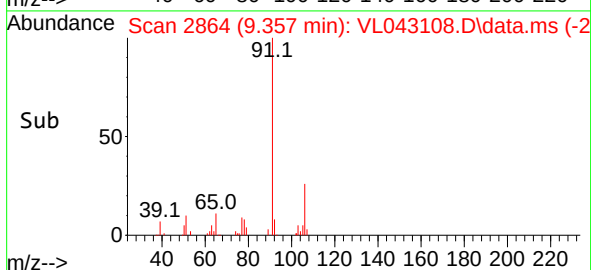
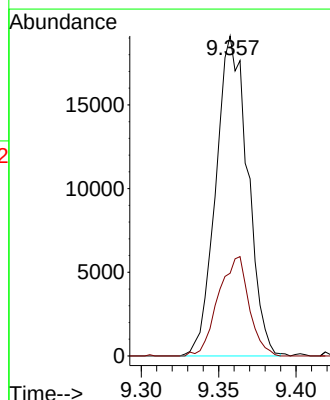
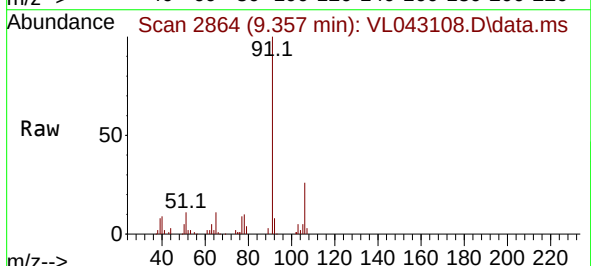
RT: 9.357 min Scan# 2864

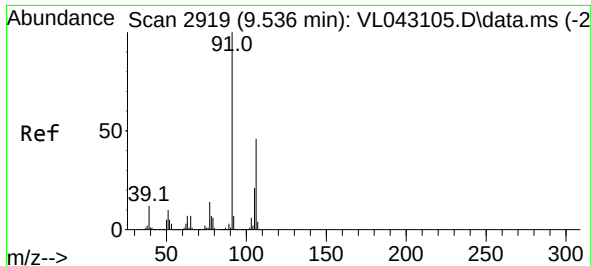
Delta R.T. -0.000 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Tgt Ion:	91	Resp:	27330
Ion Ratio	Lower	Upper	
91	100		
106	25.8	24.8	37.2





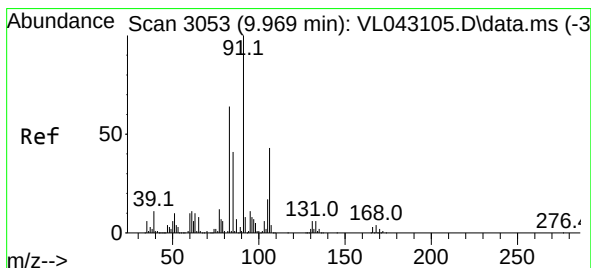
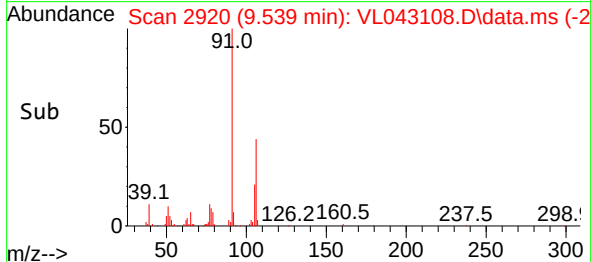
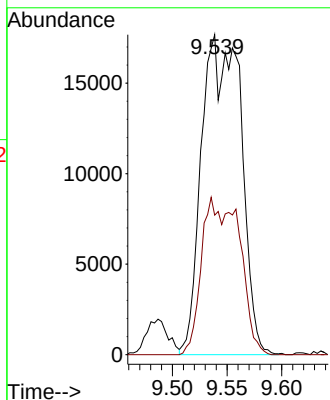
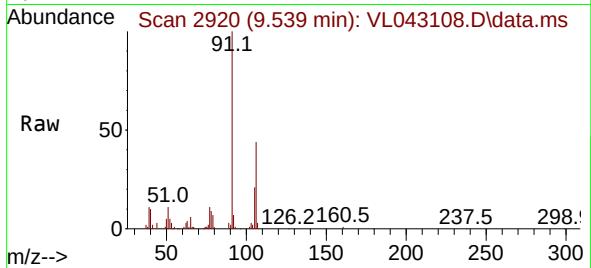
#59
m/p-Xylene
Concen: 1.068 ppbv m
RT: 9.539 min Scan# 2919
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 4440
Ion Ratio Lower Upper
91 100
106 47.2 38.0 57.0

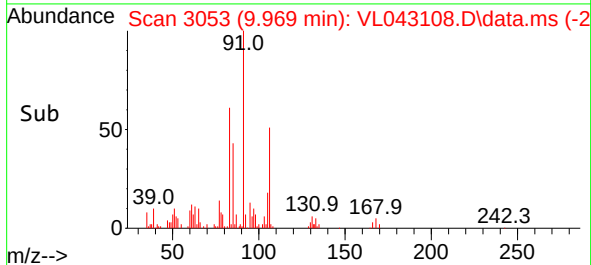
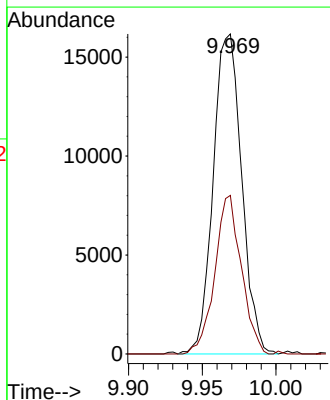
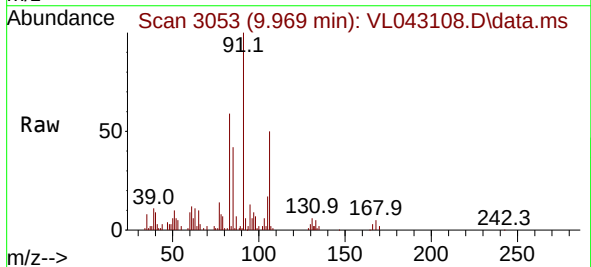
Manual Integrations
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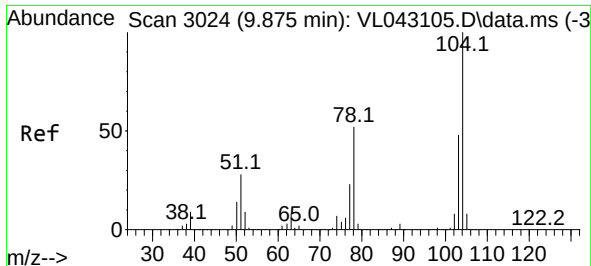
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#60
o-Xylene
Concen: 0.530 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

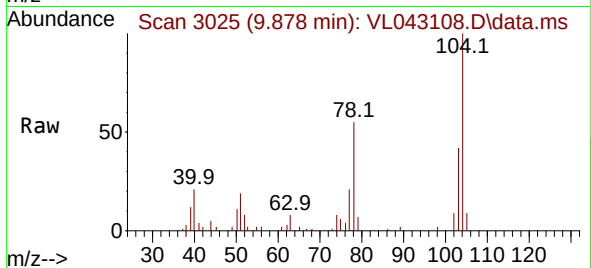
Tgt Ion: 91 Resp: 21745
Ion Ratio Lower Upper
91 100
106 46.2 21.9 65.8





#61
Styrene
Concen: 0.489 ppbv
RT: 9.878 min Scan# 3024
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

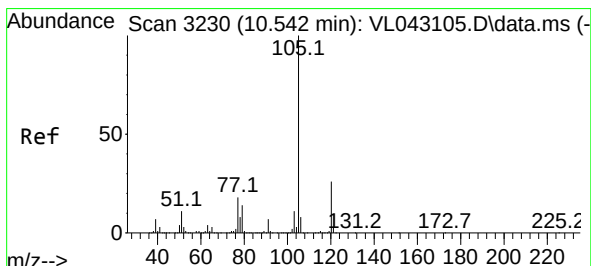
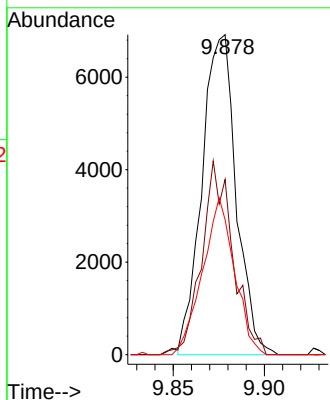
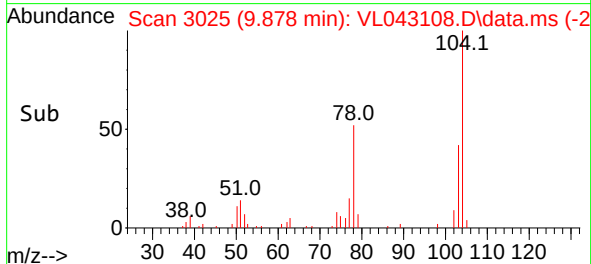
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



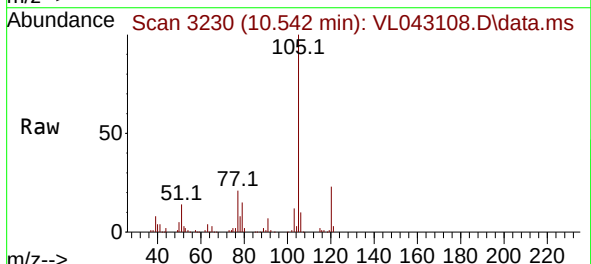
Tgt Ion:104 Resp: 9052
Ion Ratio Lower Upper
104 100
78 55.0 40.2 60.2
103 45.6 36.9 55.3

Manual Integrations
APPROVED

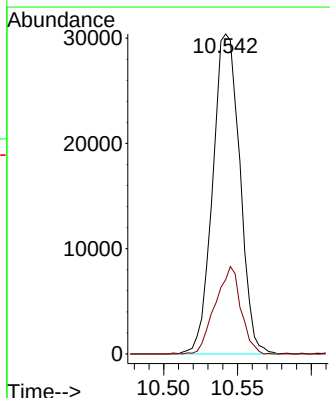
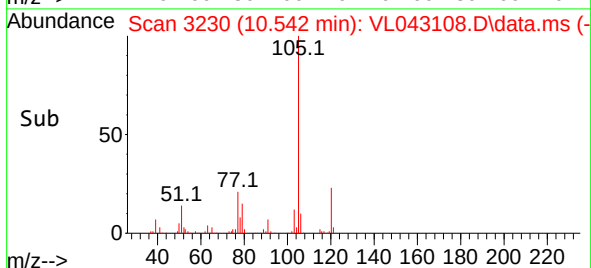
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

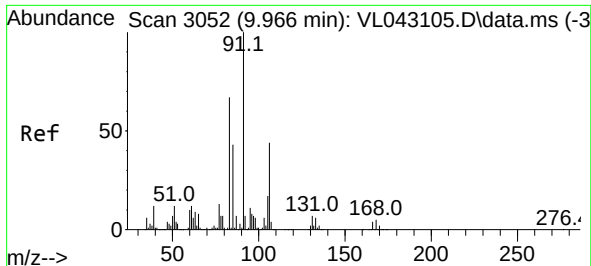


#62
Isopropylbenzene
Concen: 0.525 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34



Tgt Ion:105 Resp: 38899
Ion Ratio Lower Upper
105 100
120 25.8 20.2 30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 0.497 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_L

ClientSampleId :

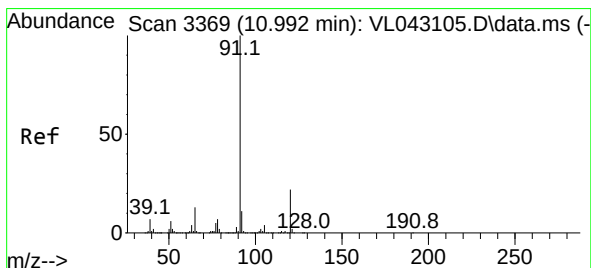
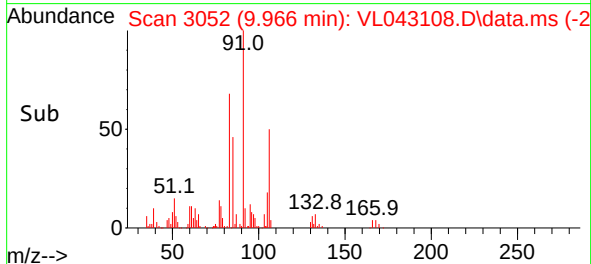
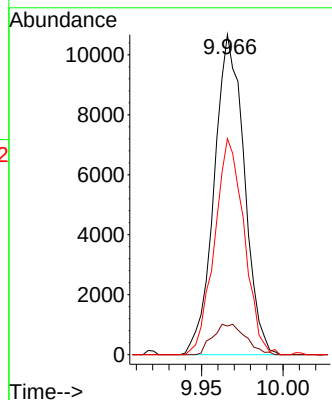
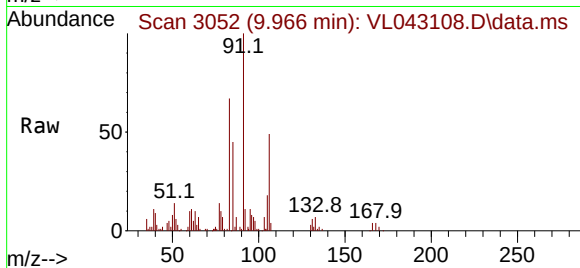
VSTDICC0.5

Tgt Ion:	83	Resp:	1365
Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.8	14.3
85	66.7	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#64

n-propylbenzene

Concen: 0.532 ppbv

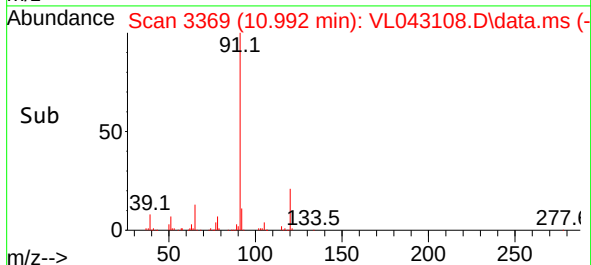
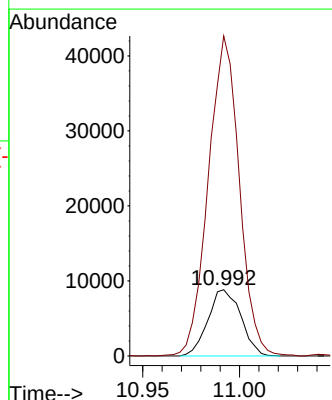
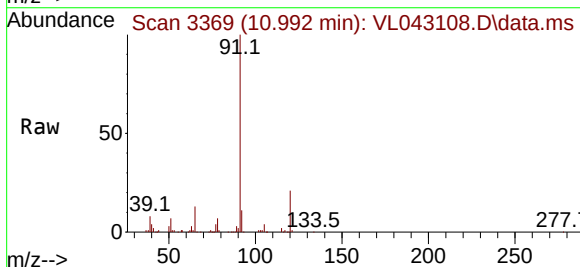
RT: 10.992 min Scan# 3369

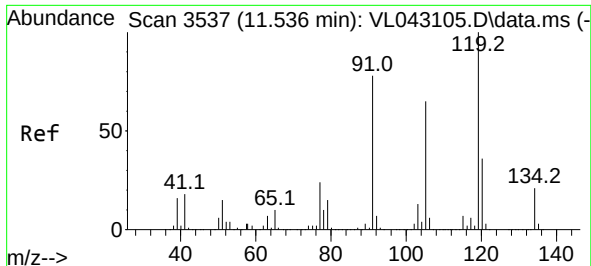
Delta R.T. -0.000 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Tgt Ion:	120	Resp:	10435
Ion	Ratio	Lower	Upper
120	100		
91	455.0	361.6	542.4





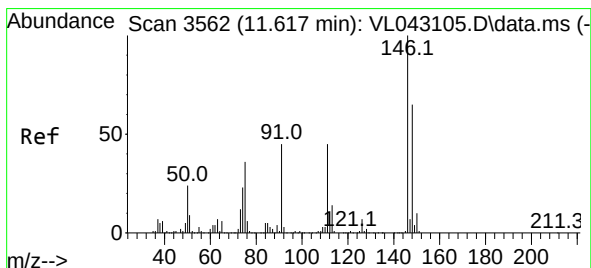
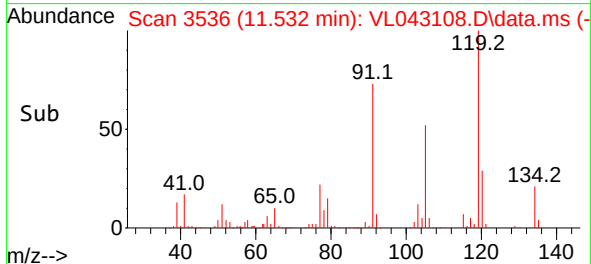
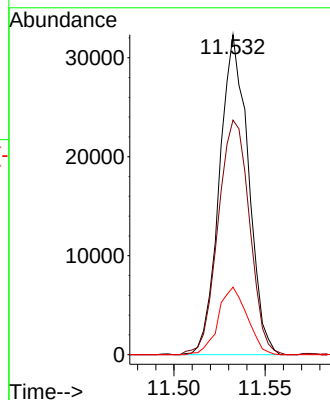
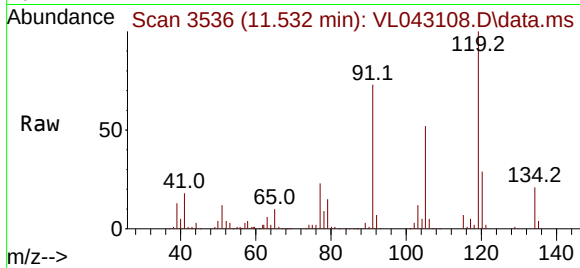
#65
tert-Butylbenzene
Concen: 0.543 ppbv
RT: 11.532 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 119 Resp: 3553
Ion Ratio Lower Upper
119 100
91 80.0 63.4 95.0
134 21.2 17.3 25.9

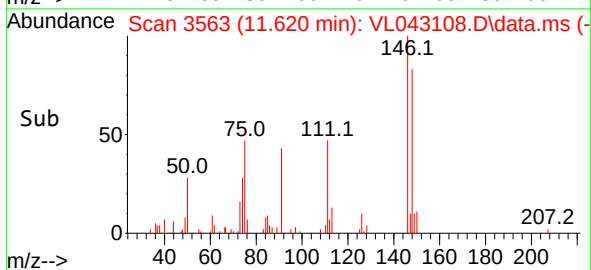
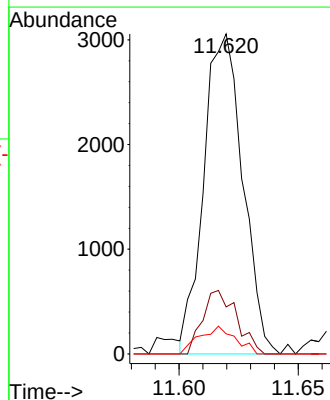
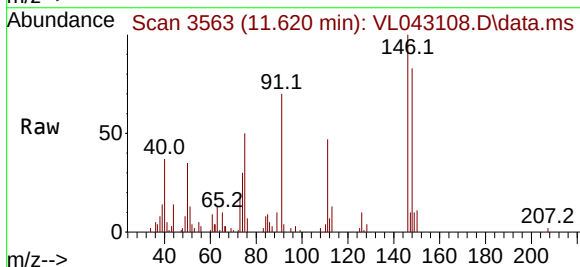
Manual Integrations
APPROVED

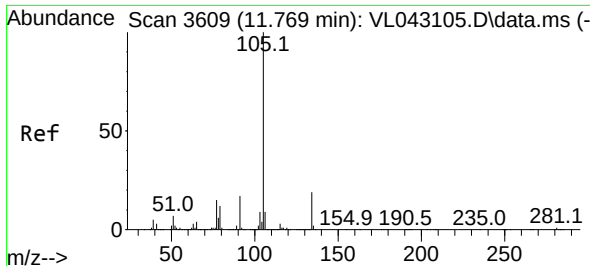
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#66
Benzyl Chloride
Concen: 0.476 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 91 Resp: 3477
Ion Ratio Lower Upper
91 100
126 17.3 14.6 22.0
128 7.9 4.6 6.8





#67

sec-Butylbenzene

Concen: 0.541 ppbv

RT: 11.769 min Scan# 3609

Delta R.T. -0.000 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 50259

Ion Ratio Lower Upper

105 100

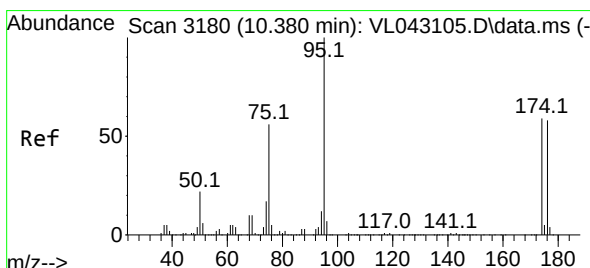
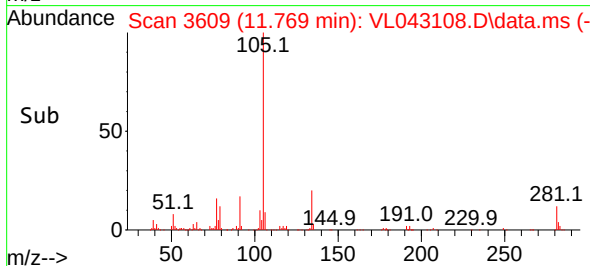
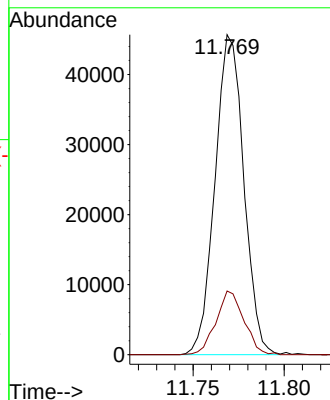
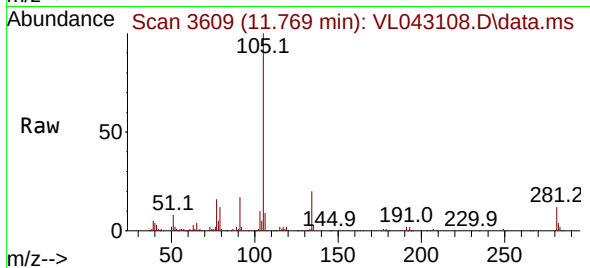
134 19.3 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.875 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. -0.000 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

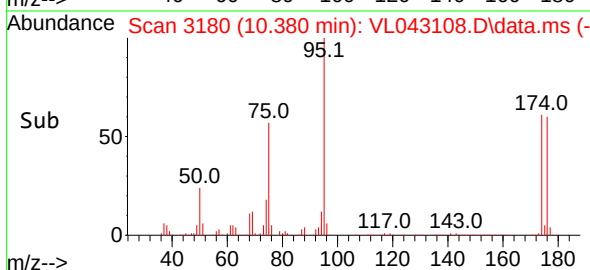
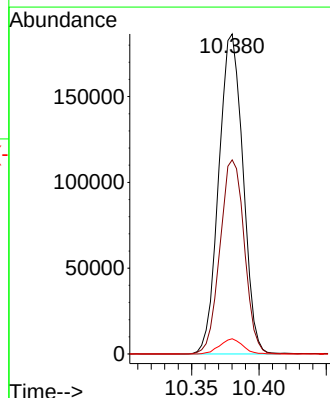
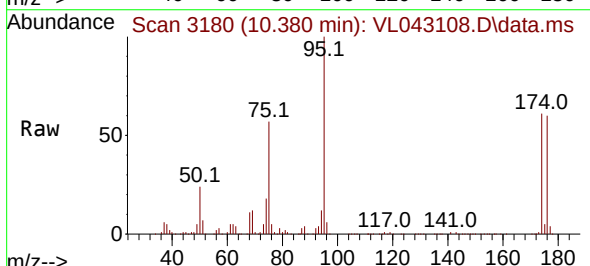
Tgt Ion: 95 Resp: 232904

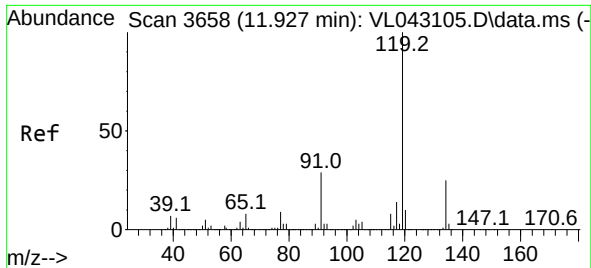
Ion Ratio Lower Upper

95 100

174 61.0 48.3 72.5

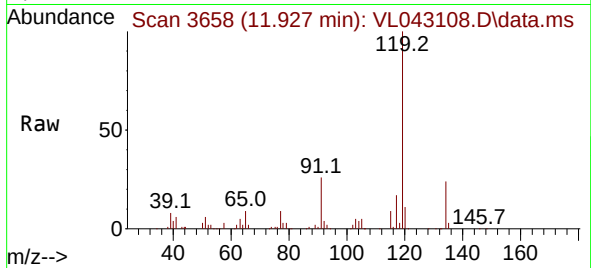
175 4.5 3.8 5.8





#69
p-Isopropyltoluene
Concen: 0.524 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

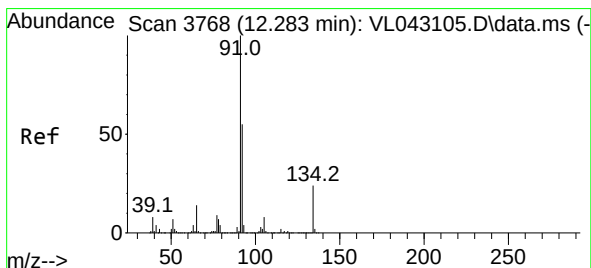
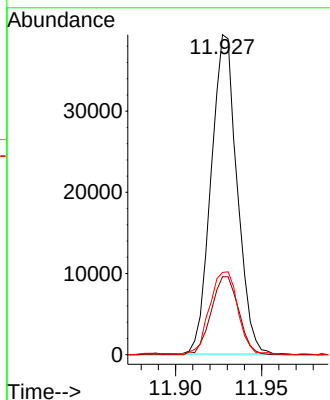
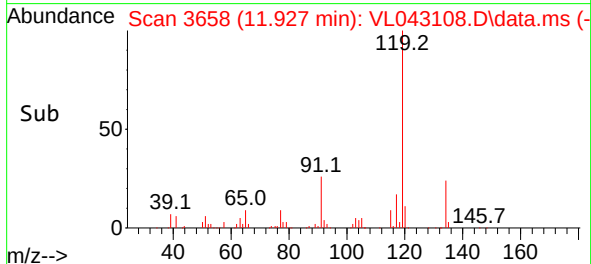
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



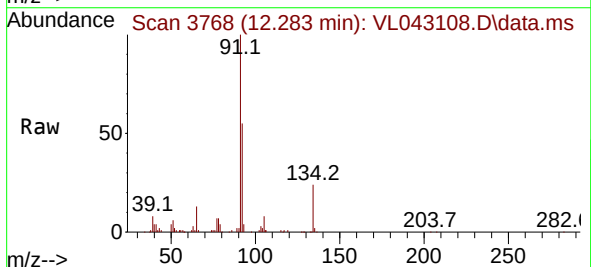
Tgt Ion:119 Resp: 41360
Ion Ratio Lower Upper
119 100
134 25.8 20.3 30.5
91 28.9 22.6 33.8

Manual Integrations
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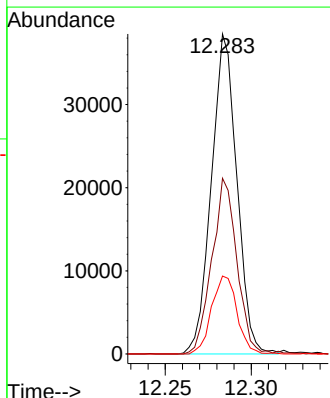
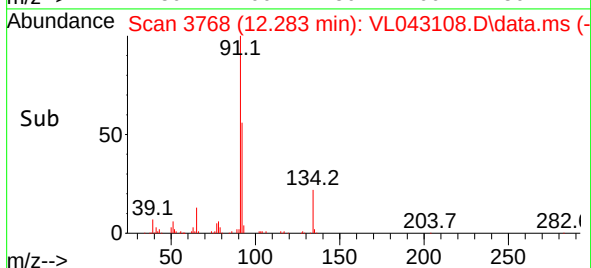
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

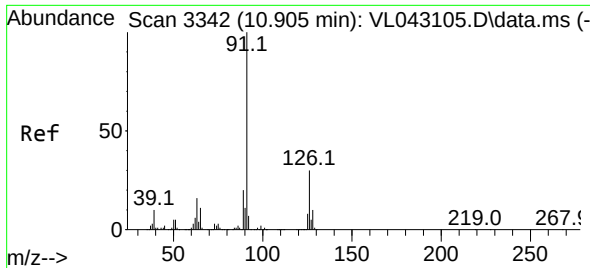


#70
n-Butylbenzene
Concen: 0.509 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34



Tgt Ion: 91 Resp: 39620
Ion Ratio Lower Upper
91 100
92 54.2 44.5 66.7
134 24.4 19.3 28.9





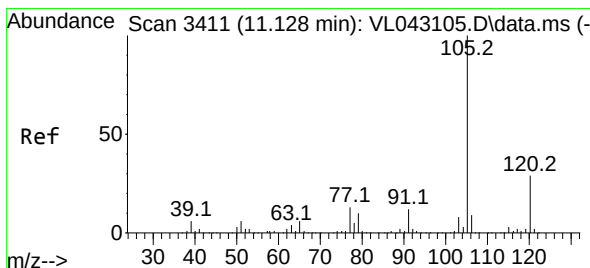
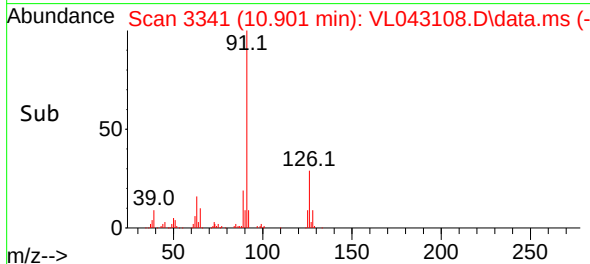
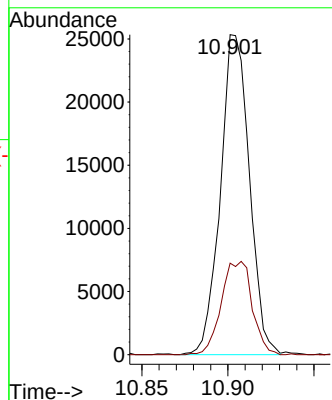
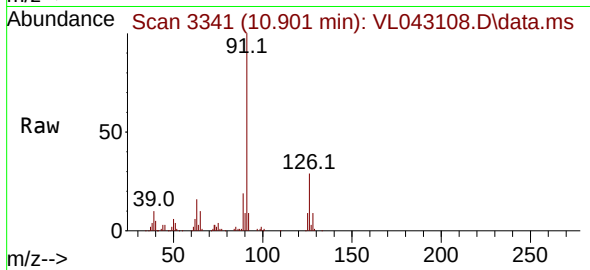
#71
2-Chlorotoluene
Concen: 0.526 ppbv
RT: 10.901 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 2972
Ion Ratio Lower Upper
91 100
126 30.9 12.0 48.0

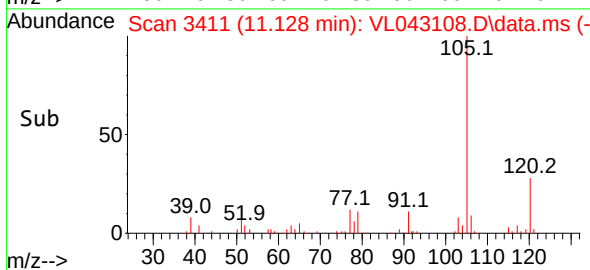
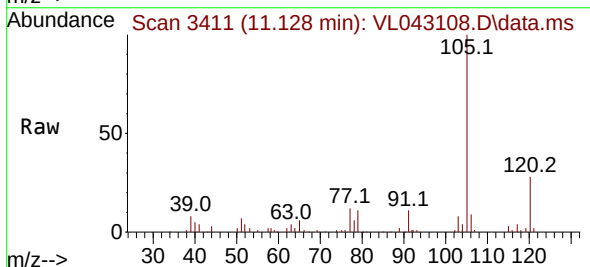
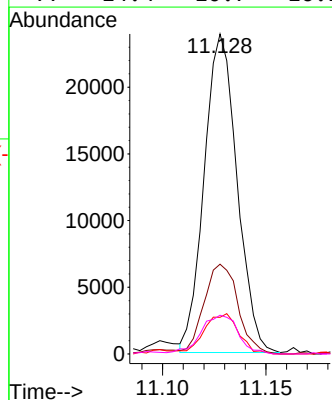
Manual Integrations
APPROVED

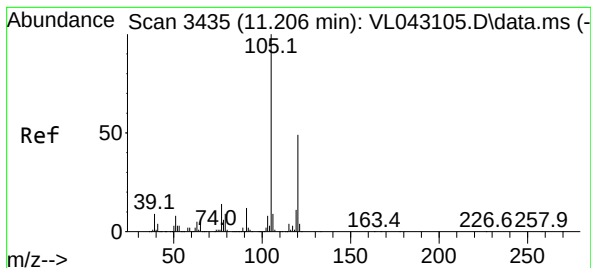
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#72
4-Ethyltoluene
Concen: 0.524 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:105 Resp: 26408
Ion Ratio Lower Upper
105 100
120 30.8 24.2 36.4
91 14.6 10.0 15.0
77 14.4 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 0.523 ppbv

RT: 11.209 min Scan# 3435

Delta R.T. 0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_L

ClientSampleId :

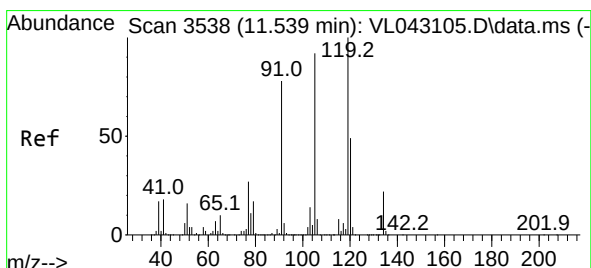
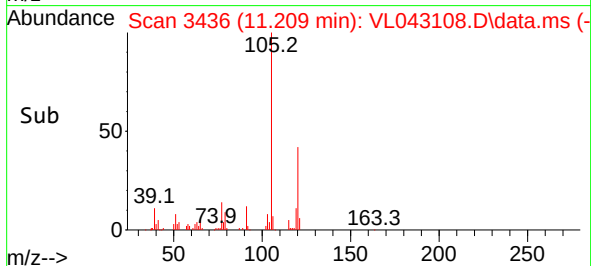
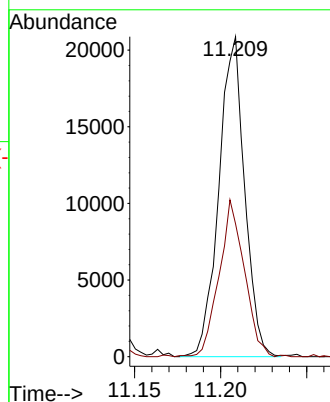
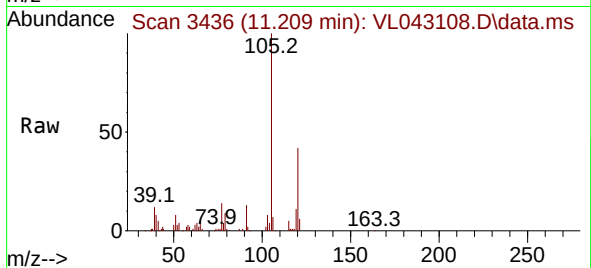
VSTDIC0.5

Tgt Ion:105 Resp: 21754
 Ion Ratio Lower Upper
 105 100
 120 41.1 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.551 ppbv

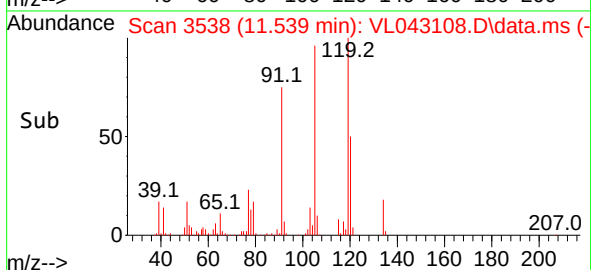
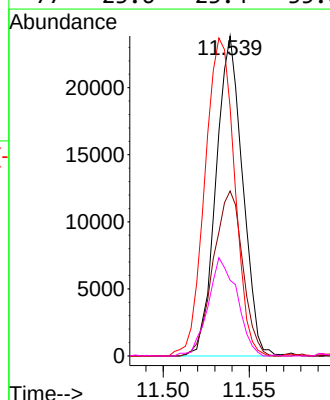
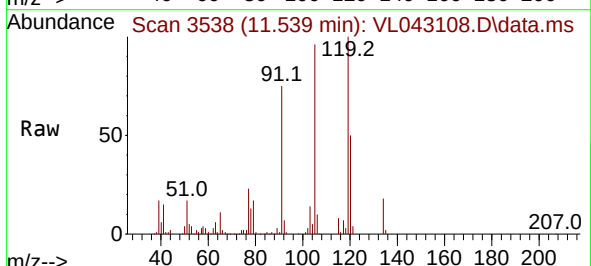
RT: 11.539 min Scan# 3538

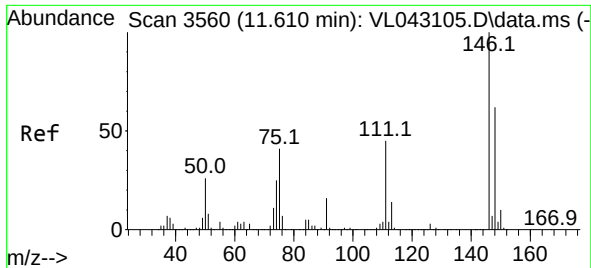
Delta R.T. -0.000 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

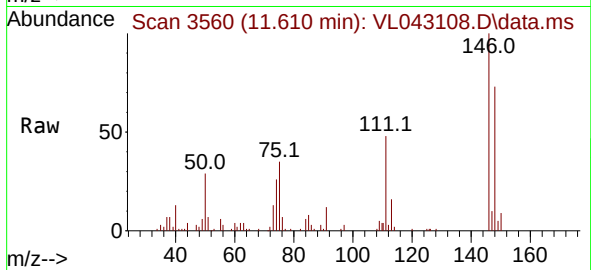
Tgt Ion:105 Resp: 25663
 Ion Ratio Lower Upper
 105 100
 120 51.5 42.8 64.2
 91 77.7 68.3 102.5
 77 23.6 23.4 35.0





#75
1,3-Dichlorobenzene
Concen: 0.507 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

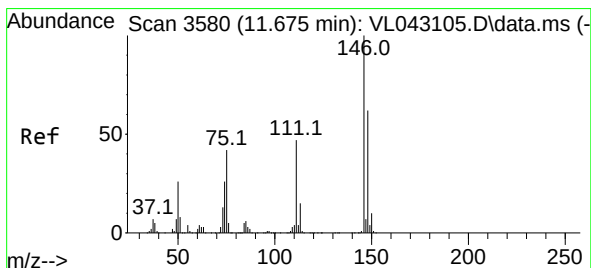
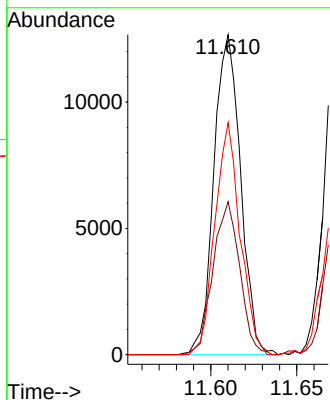
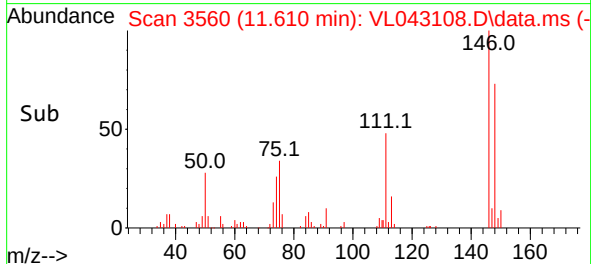
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



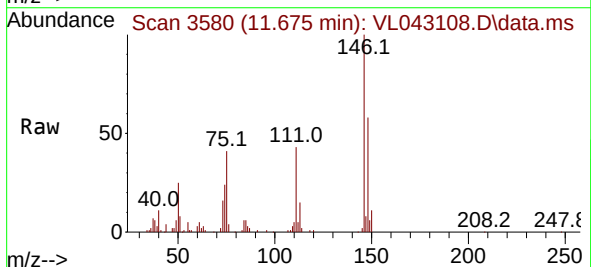
Tgt Ion:146 Resp: 1369
Ion Ratio Lower Upper
146 100
111 47.8 23.3 69.9
148 68.4 31.6 95.0

Manual Integrations
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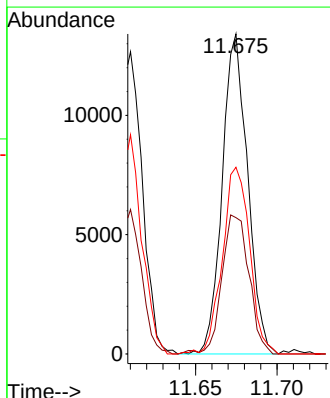
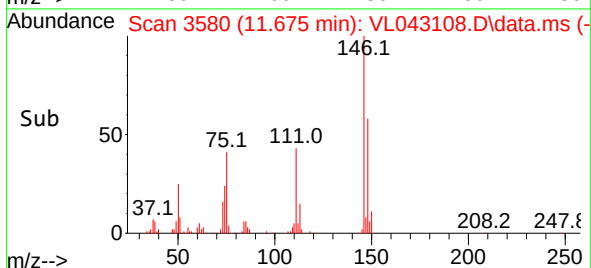
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

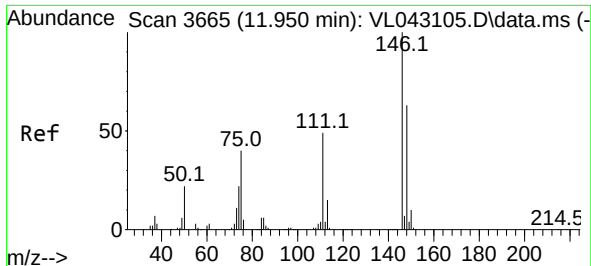


#76
1,4-Dichlorobenzene
Concen: 0.533 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34



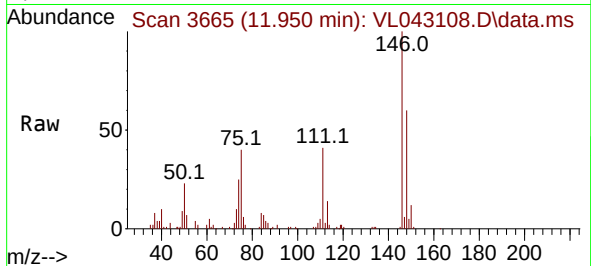
Tgt Ion:146 Resp: 14514
Ion Ratio Lower Upper
146 100
111 46.4 22.4 67.0
148 62.7 31.6 94.7





#77
1,2-Dichlorobenzene
Concen: 0.548 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

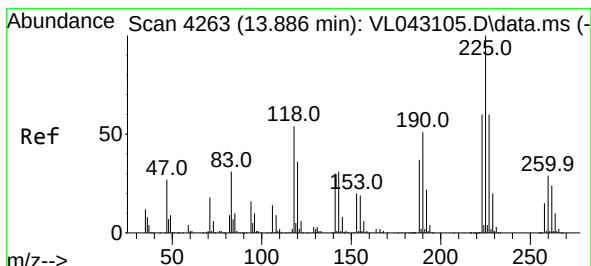
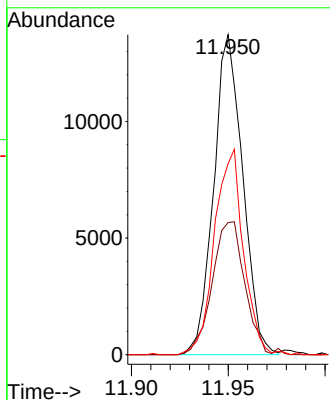
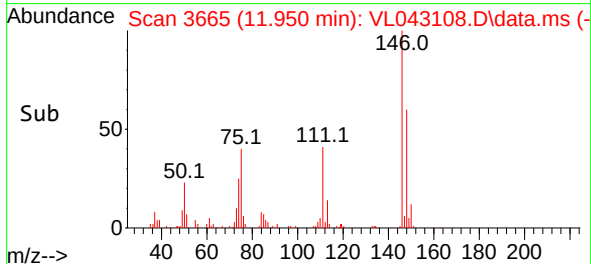
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



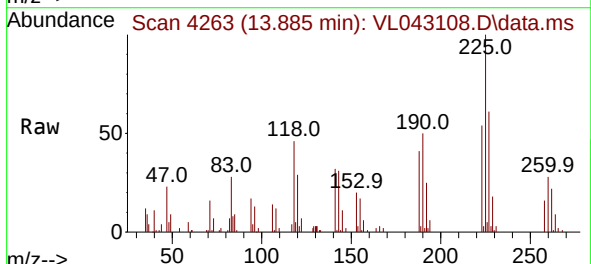
Tgt Ion:146 Resp: 14324
Ion Ratio Lower Upper
146 100
111 46.9 24.0 72.0
148 64.1 31.1 93.3

Manual Integrations
APPROVED

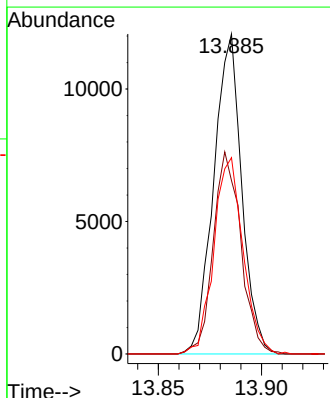
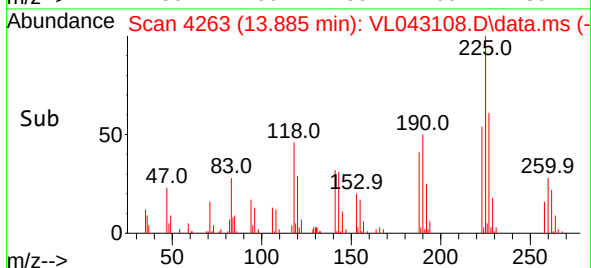
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

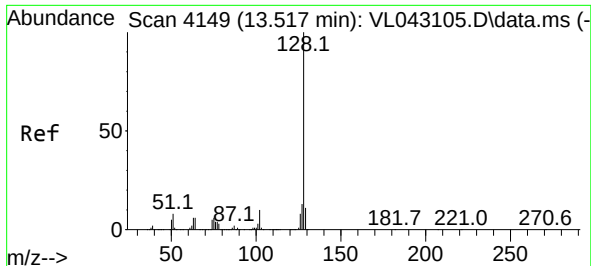


#78
Hexachloro-1,3-Butadiene
Concen: 0.564 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34



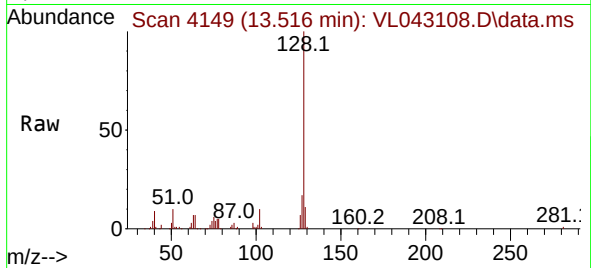
Tgt Ion:225 Resp: 11400
Ion Ratio Lower Upper
225 100
223 62.4 50.2 75.4
227 64.2 49.6 74.4





#79
Naphthalene
Concen: 0.483 ppbv
RT: 13.516 min Scan# 4149
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

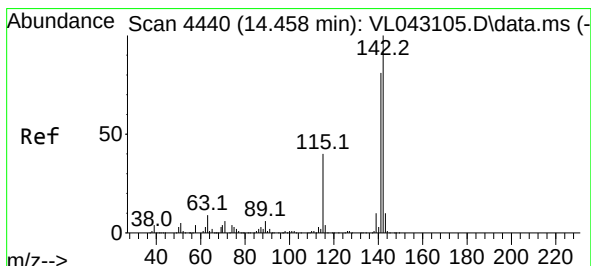
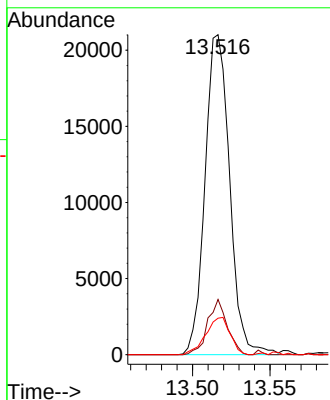
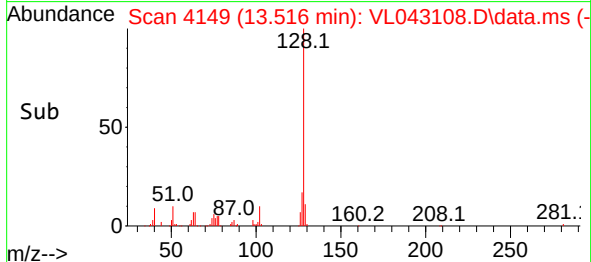
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



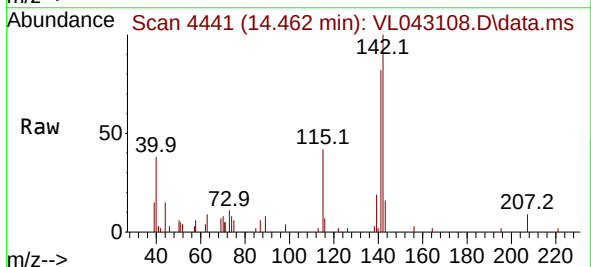
Tgt Ion:128 Resp: 2324
Ion Ratio Lower Upper
128 100
127 17.3 10.5 15.7
129 11.4 9.1 13.7

Manual Integrations
APPROVED

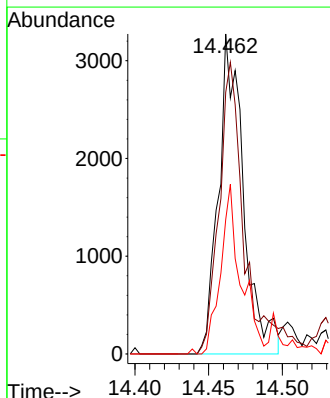
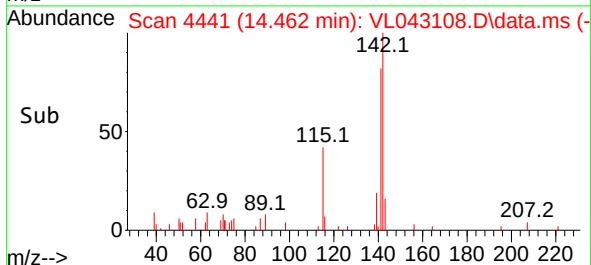
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

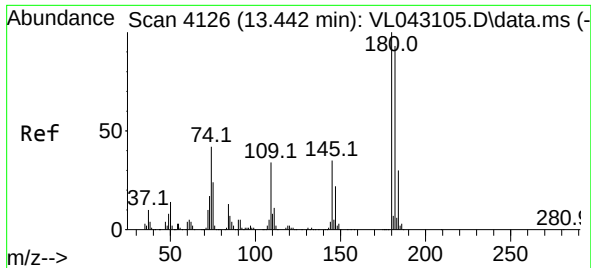


#80
Naphthalene,2-methyl-
Concen: 0.305 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34



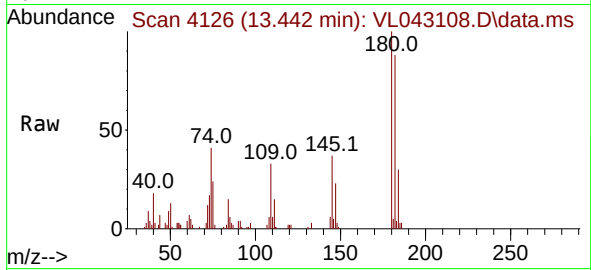
Tgt Ion:142 Resp: 3874
Ion Ratio Lower Upper
142 100
141 92.6 64.6 97.0
115 51.2 30.2 45.4#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.416 ppbv
 RT: 13.442 min Scan# 4126
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:	180	Resp:	839
Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.5	113.3
184	31.4	23.9	35.9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

