

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062325\
 Data File : VL042665.D
 Acq On : 23 Jun 2025 10:42
 Operator : SY/MD
 Sample : VL0623ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0623ABS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 06:41:13 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	107779	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	274326	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	241948	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 190928 10.527 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	142077	10.726	ppbv	98
3) Chlorodifluoromethane	1.476	51	177220	9.714	ppbv	97
4) Chloromethane	1.534	50	53093	10.121	ppbv	97
5) Vinyl Chloride	1.580	62	49117	9.192	ppbv	99
6) Bromomethane	1.667	94	26018	10.004	ppbv	99
7) Chloroethane	1.706	64	20042	9.653	ppbv	91
8) Dichlorotetrafluoroethane	1.554	85	116448	10.550	ppbv	99
9) Propene	1.483	41	68891	9.377	ppbv	98
10) Heptane	4.985	43	196305	9.479	ppbv	98
11) Trichlorofluoromethane	1.877	101	149772	12.152	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	113968	11.776	ppbv	97
13) Ethanol	1.722	45	6155	7.030	ppbv	91
14) Bromoethene	1.784	108	39115	10.745	ppbv	99
15) Acetone	1.835	43	120044	9.247	ppbv	98
16) 1,3-Butadiene	1.609	39	59116	9.613	ppbv	94
17) tert-Butyl alcohol	2.039	59	135577	10.024	ppbv	100
18) 1,1-Dichloroethene	2.033	96	47492	10.587	ppbv	94
19) Isopropyl Alcohol	1.884	45	76582	9.868	ppbv #	41
20) Methylene Chloride	2.062	84	42343	9.883	ppbv	93
21) Allyl Chloride	2.098	41	92476	10.096	ppbv	96
22) trans-1,2-Dichloroethene	2.340	96	54708	10.918	ppbv	99
23) Vinyl Acetate	2.463	43	190609	10.862	ppbv #	98
24) 1,1-Dichloroethane	2.408	63	111954	10.859	ppbv	98
25) Ethyl Acetate	2.836	43	348038	9.796	ppbv	99
26) Hexane	2.829	57	151056	9.357	ppbv	97
27) Carbon Disulfide	2.149	76	136889	11.045	ppbv	94
28) Methyl tert-Butyl Ether	2.441	73	63194	9.647	ppbv	95
29) Chloroform	2.849	83	222416	10.595	ppbv	98
30) Cyclohexane	3.858	84	121851	9.105	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	143995	9.751	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	213727	9.964	ppbv	99
34) 2-Butanone	2.557	43	226678	11.587	ppbv	100
35) Carbon Tetrachloride	3.764	117	216696	11.966	ppbv	97
36) Benzene	3.658	78	298538	11.051	ppbv	98
37) 1,2-Dichloroethane	3.221	62	168905	12.580	ppbv	98
38) Trichloroethene	4.548	130	120060	10.456	ppbv	96
39) 1,2-Dichloropropane	4.318	63	110560	11.067	ppbv	97
40) 1,4-Dioxane	4.583	88	47991	10.736	ppbv #	97
41) Tetrahydrofuran	3.056	42	123509	10.785	ppbv	98
42) Bromodichloromethane	4.493	83	235473	12.348	ppbv	97
43) Methyl Methacrylate	4.884	69	109284	10.423	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	513745	11.118	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	126003	10.502	ppbv	100

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

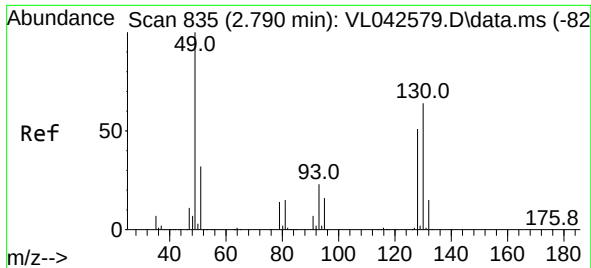
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

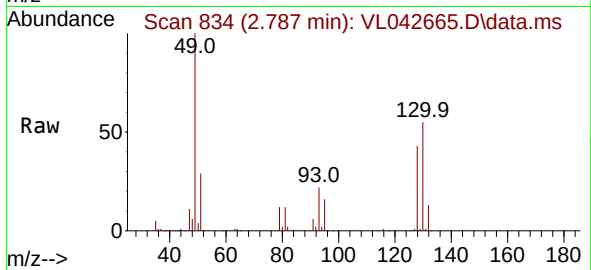
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	160738	10.692	ppbv	99
47) 1,1,2-Trichloroethane	6.584	97	117690	11.381	ppbv	95
48) Dibromochloromethane	7.386	129	188920	11.412	ppbv	99
49) Bromoform	9.487	173	159661	11.177	ppbv	100
50) 4-Methyl-2-Pentanone	5.755	43	297128	10.950	ppbv	99
51) 2-Hexanone	7.438	43	237176	11.021	ppbv #	96
52) Tetrachloroethene	8.231	164	100572	9.963	ppbv	97
53) Toluene	6.936	91	326793	10.467	ppbv	100
54) 1,2-Dibromoethane	7.655	107	170800	11.159	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.927	131	142888	11.745	ppbv	99
57) Chlorobenzene	8.927	112	261922	11.149	ppbv	100
58) Ethyl Benzene	9.361	91	453069	11.040	ppbv	95
59) m/p-Xylene	9.555	91	754783m	23.370	ppbv	
60) o-Xylene	9.969	91	368763	11.448	ppbv	98
61) Styrene	9.875	104	156470	10.274	ppbv	98
62) Isopropylbenzene	10.542	105	531696	11.173	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	236989	11.570	ppbv	100
64) n-propylbenzene	10.992	120	142174	11.146	ppbv	93
65) tert-Butylbenzene	11.536	119	472264	10.936	ppbv	95
66) Benzyl Chloride	11.617	91	48805	8.780	ppbv	98
67) sec-Butylbenzene	11.769	105	684011	11.266	ppbv	98
69) p-Isopropyltoluene	11.927	119	572124	11.253	ppbv	98
70) n-Butylbenzene	12.283	91	581467	11.586	ppbv	99
71) 2-Chlorotoluene	10.904	91	409787	11.289	ppbv	96
72) 4-Ethyltoluene	11.128	105	460615	11.470	ppbv	98
73) 1,3,5-Trimethylbenzene	11.206	105	381168	11.468	ppbv	94
74) 1,2,4-Trimethylbenzene	11.539	105	422626	11.458	ppbv	92
75) 1,3-Dichlorobenzene	11.610	146	263156	11.361	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	260649	11.283	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	253970	11.297	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	181811	9.775	ppbv	98
79) Naphthalene	13.513	128	399501	11.490	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	184419	11.740	ppbv	97
81) 1,2,4-Trichlorobenzene	13.442	180	204863	10.555	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 835
Delta R.T. -0.003 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

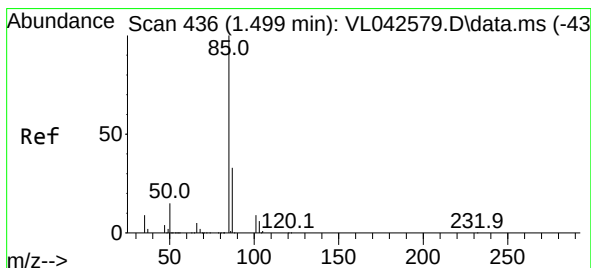
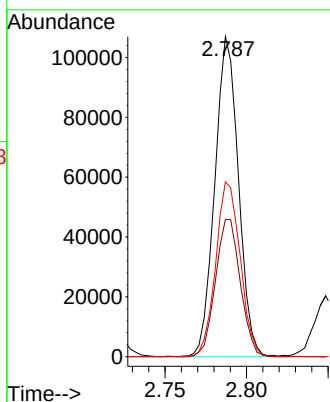
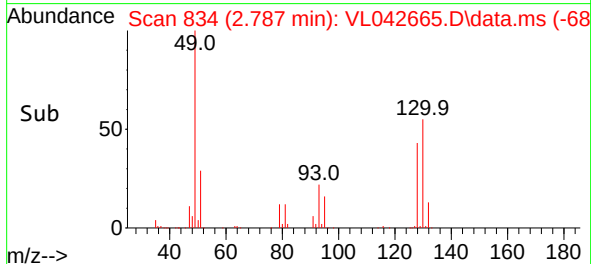
Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01



Tgt Ion: 49 Resp: 107779
Ion Ratio Lower Upper
49 100
128 45.0 24.2 72.6
130 56.4 30.4 91.2

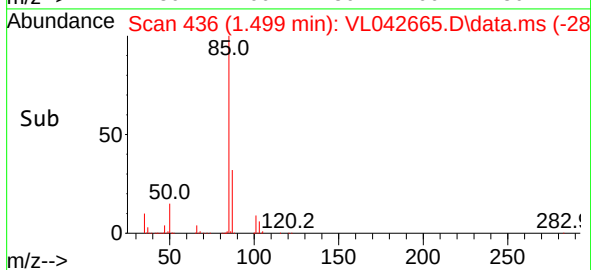
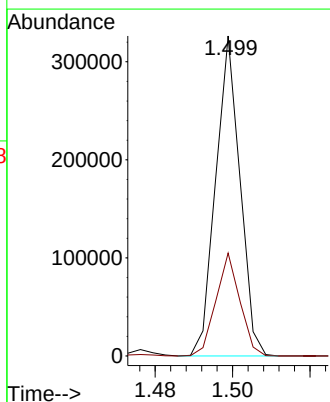
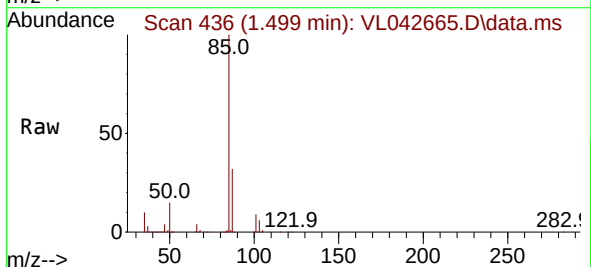
Manual Integrations
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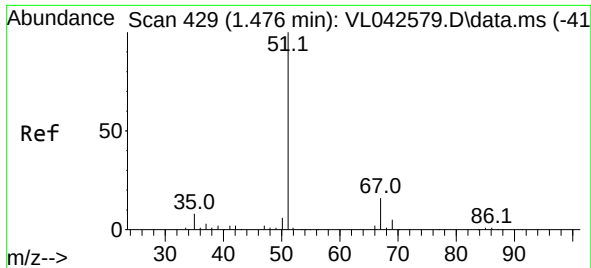
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#2
Dichlorodifluoromethane
Concen: 10.726 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

Tgt Ion: 85 Resp: 142077
Ion Ratio Lower Upper
85 100
87 32.1 26.6 39.8





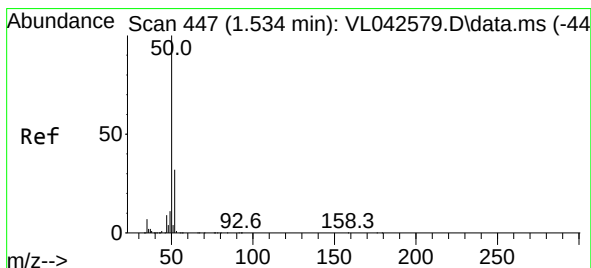
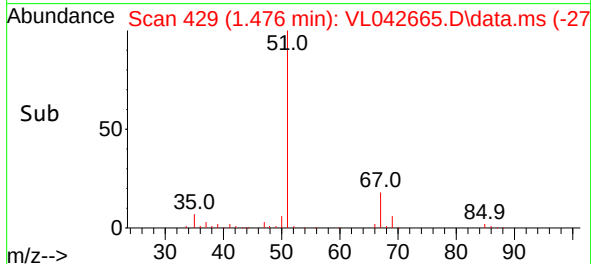
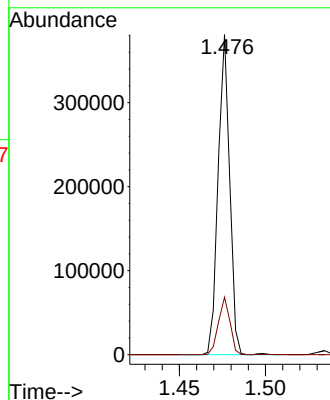
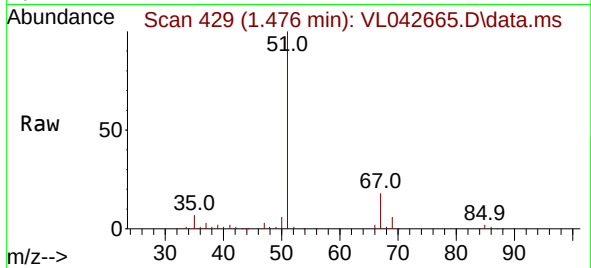
#3
Chlorodifluoromethane
Concen: 9.714 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01

Tgt Ion: 51 Resp: 177220
Ion Ratio Lower Upper
51 100
67 18.1 13.4 20.2

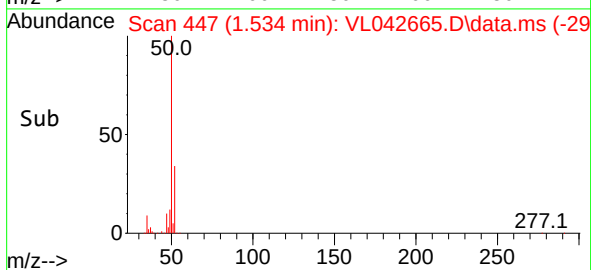
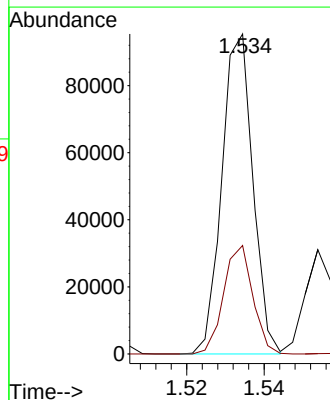
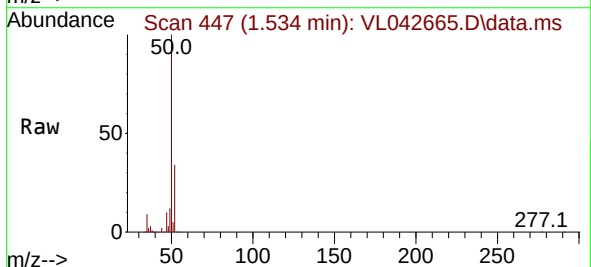
Manual Integrations
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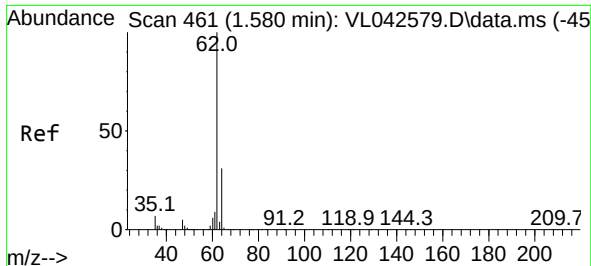
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#4
Chloromethane
Concen: 10.121 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

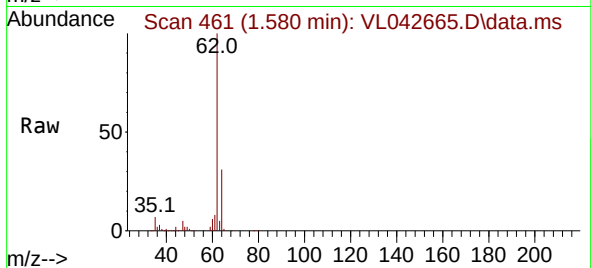
Tgt Ion: 50 Resp: 53093
Ion Ratio Lower Upper
50 100
52 33.9 25.8 38.6





#5
 Vinyl Chloride
 Concen: 9.192 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042665.D
 Acq: 23 Jun 2025 10:42

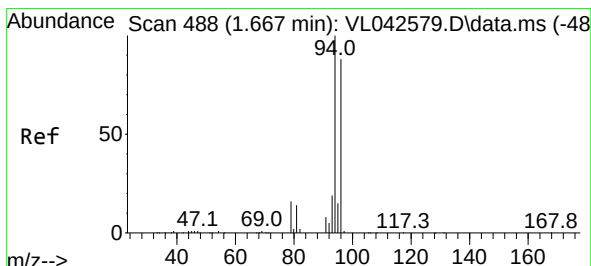
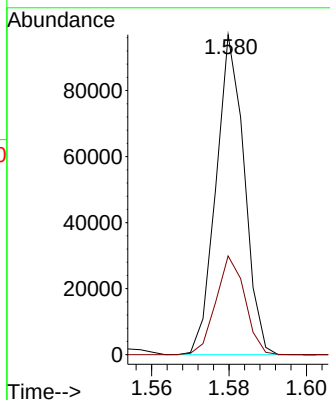
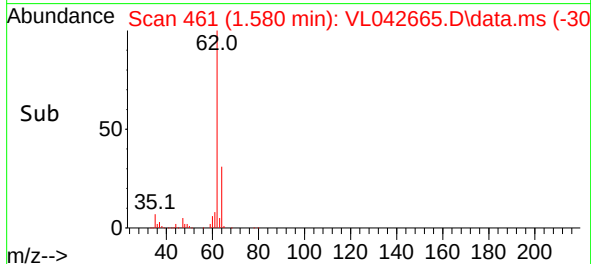
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0623ABS01



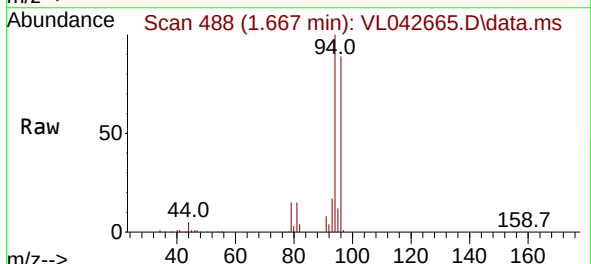
Tgt Ion: 62 Resp: 4911
 Ion Ratio Lower Upper
 62 100
 64 30.8 24.9 37.3

Manual Integrations
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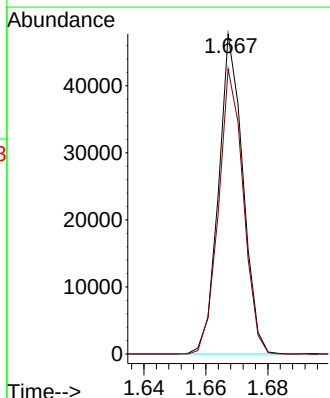
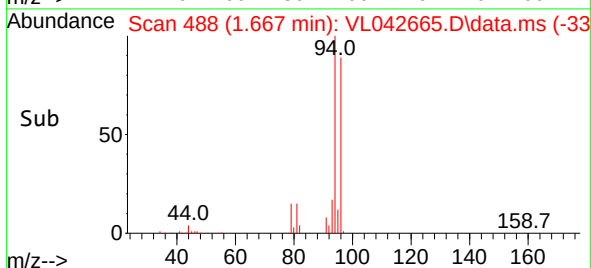
Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

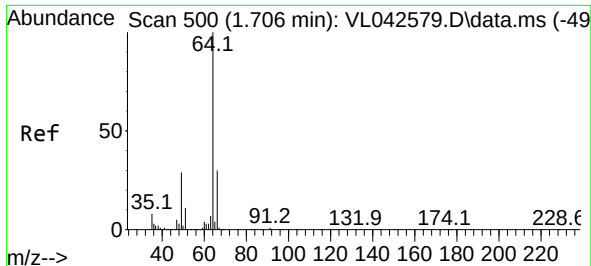


#6
 Bromomethane
 Concen: 10.004 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042665.D
 Acq: 23 Jun 2025 10:42



Tgt Ion: 94 Resp: 26018
 Ion Ratio Lower Upper
 94 100
 96 89.1 70.7 106.1





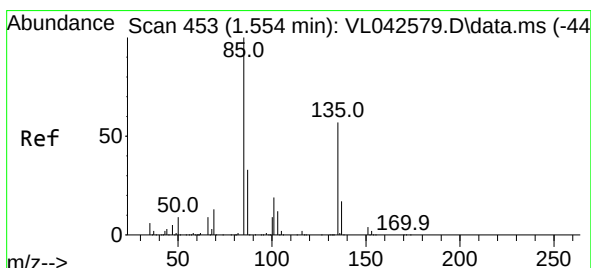
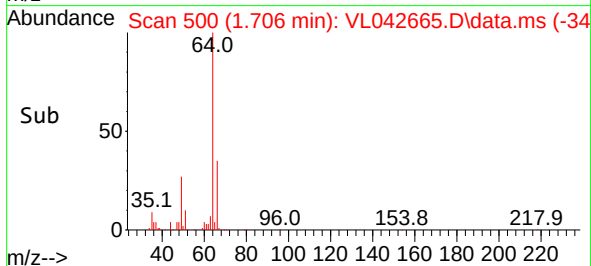
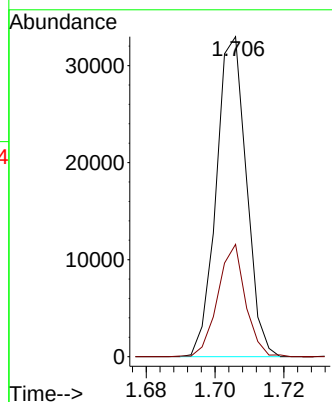
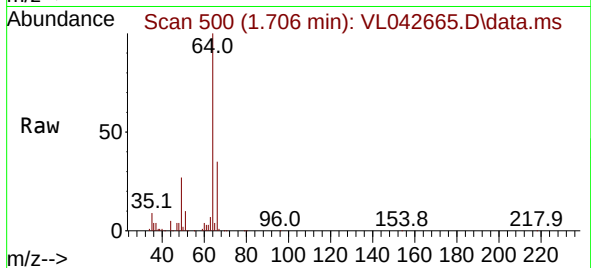
#7
Chloroethane
Concen: 9.653 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01

Tgt Ion: 64 Resp: 2004
Ion Ratio Lower Upper
64 100
66 35.1 24.3 36.5

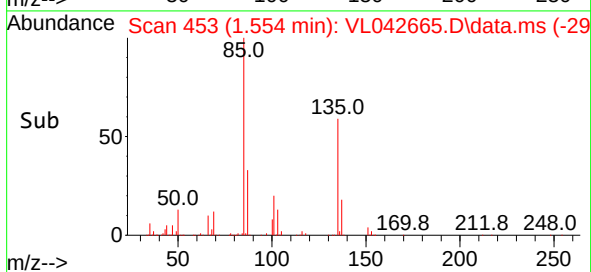
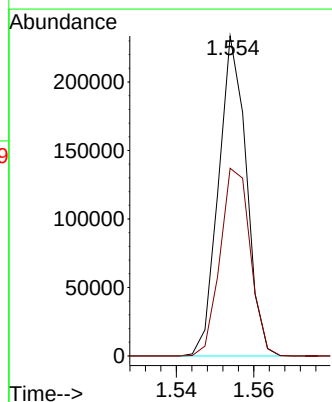
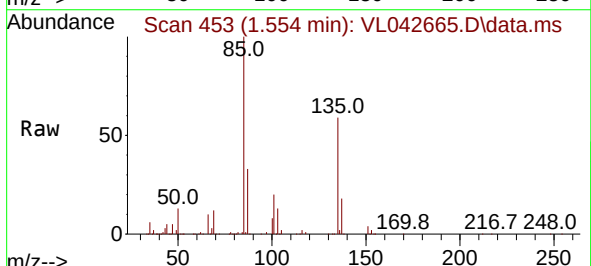
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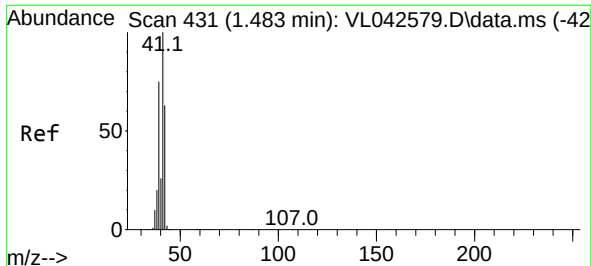
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#8
Dichlorotetrafluoroethane
Concen: 10.550 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

Tgt Ion: 85 Resp: 116448
Ion Ratio Lower Upper
85 100
135 63.9 50.2 75.4





#9

Propene

Concen: 9.377 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042665.D

Acq: 23 Jun 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VL0623ABS01

Tgt Ion: 41 Resp: 6889

Ion Ratio Lower Upper

41 100

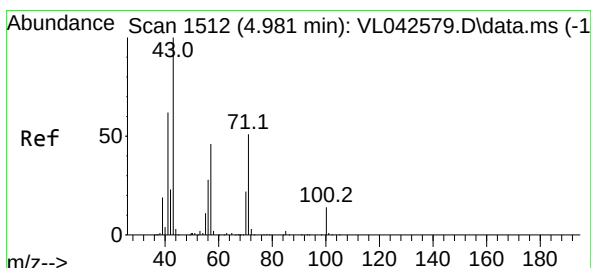
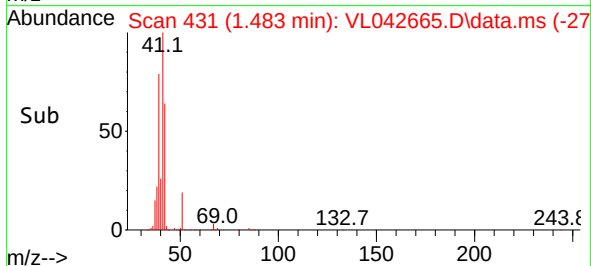
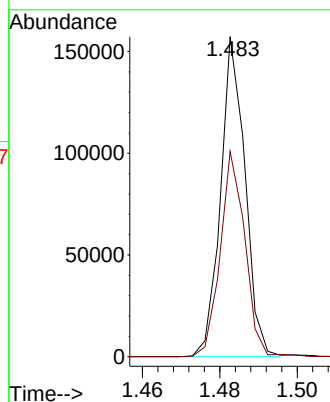
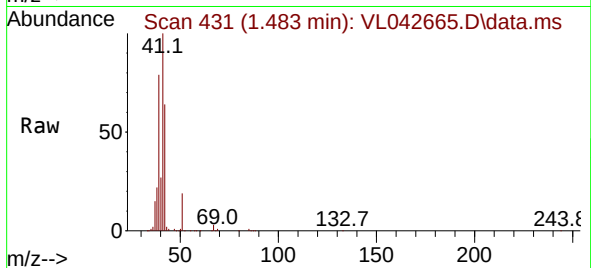
42 65.1 53.3 79.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025

Supervised By :Semsettin Yesilyurt 06/24/2025



#10

Heptane

Concen: 9.479 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.003 min

Lab File: VL042665.D

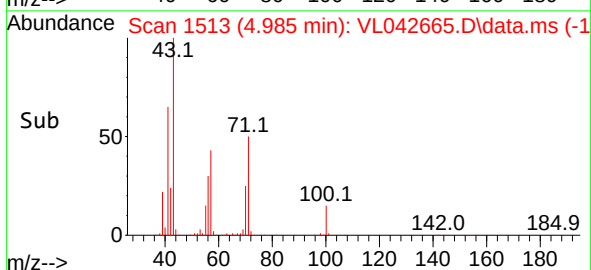
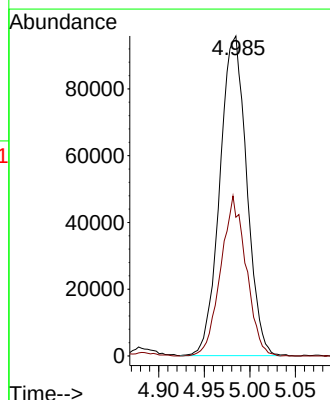
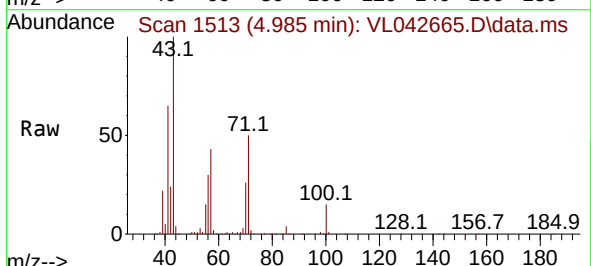
Acq: 23 Jun 2025 10:42

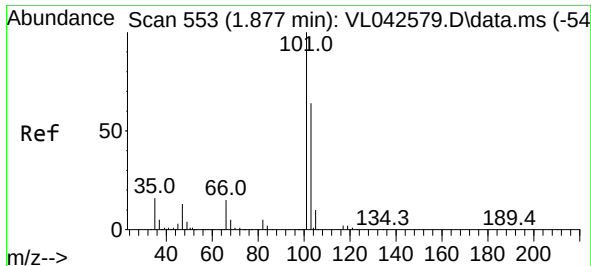
Tgt Ion: 43 Resp: 196305

Ion Ratio Lower Upper

43 100

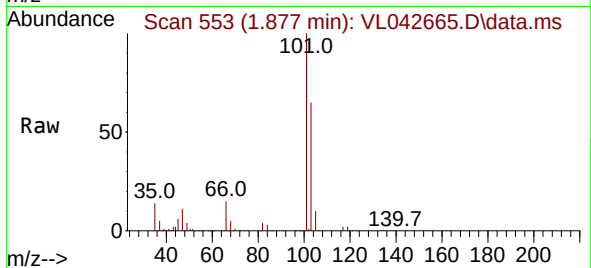
57 47.4 38.9 58.3





#11
Trichlorofluoromethane
Concen: 12.152 ppbv
RT: 1.877 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

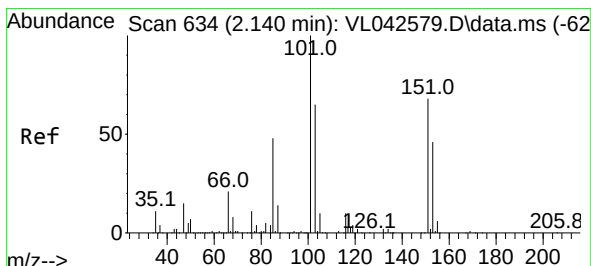
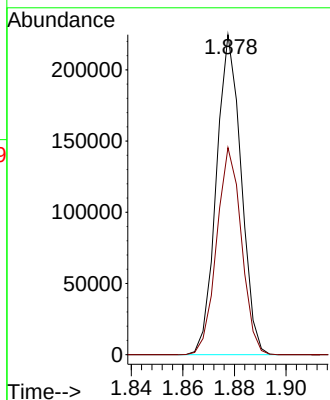
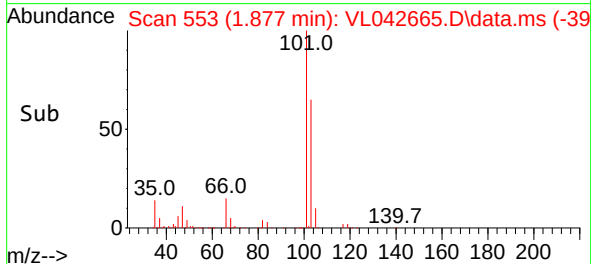
Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01



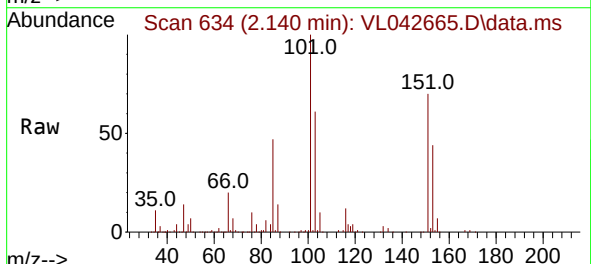
Tgt Ion:101 Resp: 149772
Ion Ratio Lower Upper
101 100
103 64.7 51.5 77.3

Manual Integrations
APPROVED

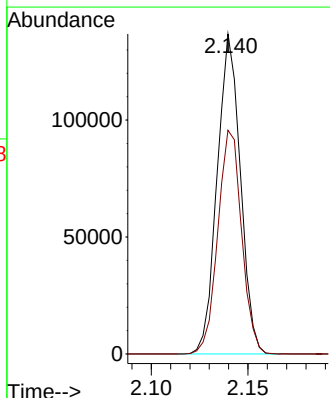
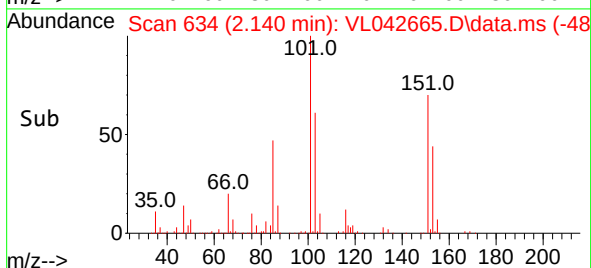
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

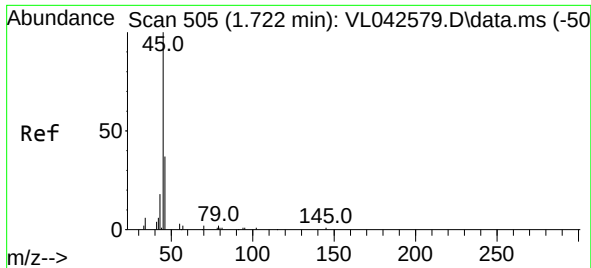


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.776 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42



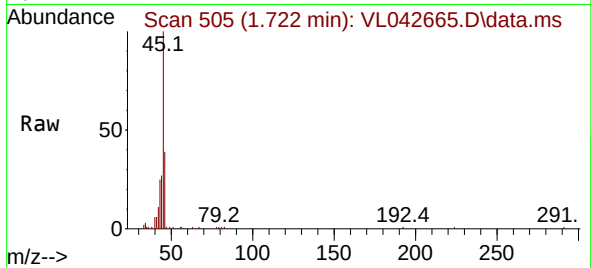
Tgt Ion:101 Resp: 113968
Ion Ratio Lower Upper
101 100
151 71.6 55.3 82.9





#13
Ethanol
Concen: 7.030 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

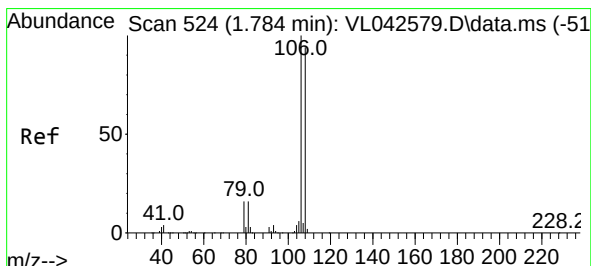
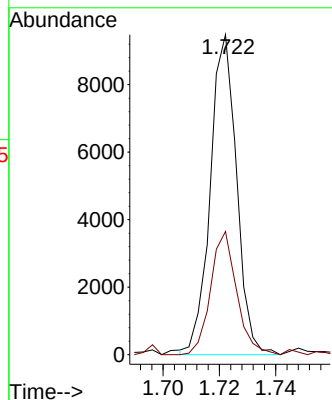
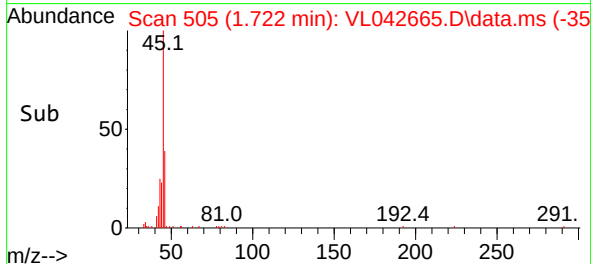
Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01



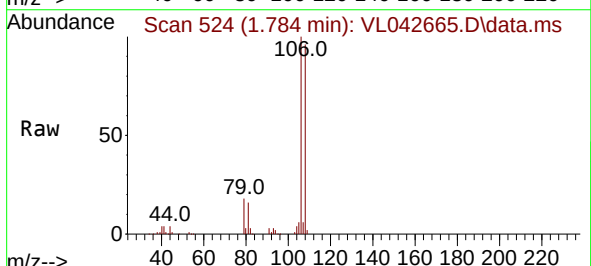
Tgt Ion: 45 Resp: 615
Ion Ratio Lower Upper
45 100
46 41.3 14.5 58.1

Manual Integrations
APPROVED

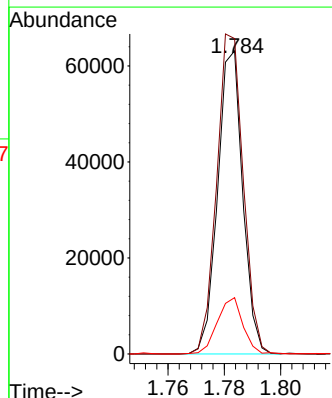
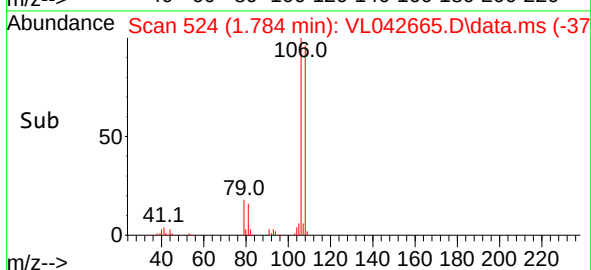
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

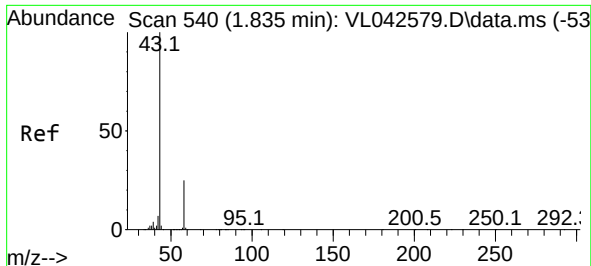


#14
Bromoethene
Concen: 10.745 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42



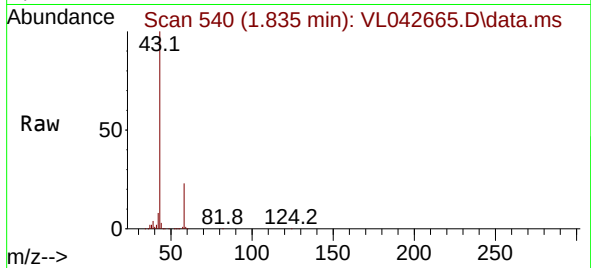
Tgt Ion:108 Resp: 39115
Ion Ratio Lower Upper
108 100
106 111.6 87.9 131.9
79 19.3 15.6 23.4





#15
Acetone
Concen: 9.247 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

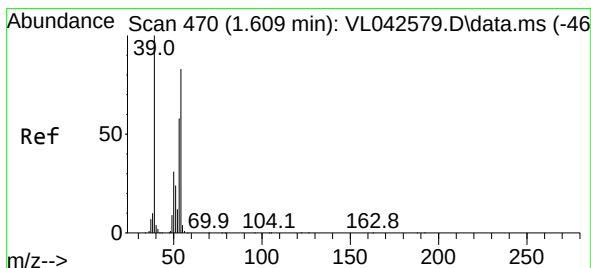
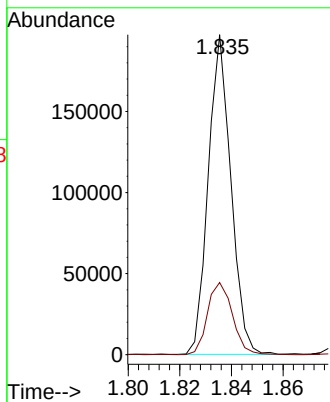
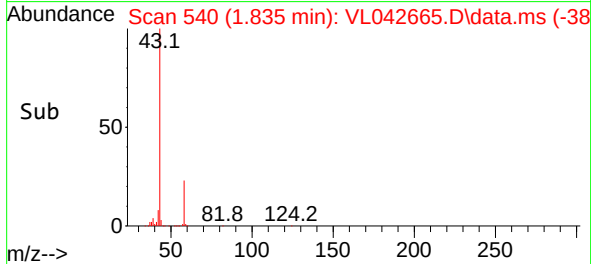
Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01



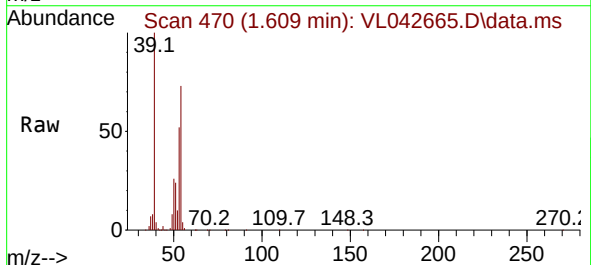
Tgt Ion: 43 Resp: 120044
Ion Ratio Lower Upper
43 100
58 25.0 21.0 31.4

Manual Integrations
APPROVED

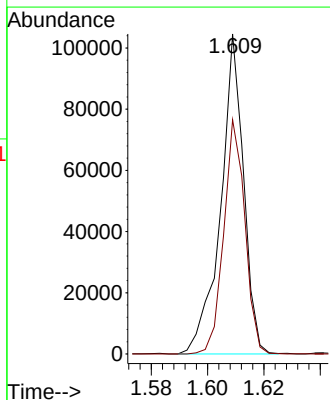
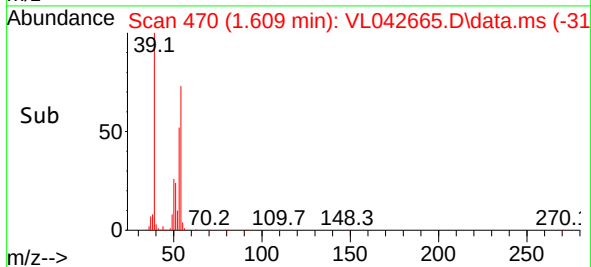
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

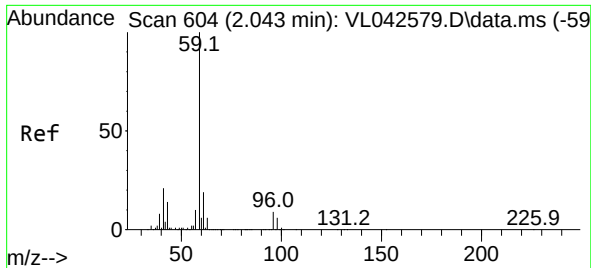


#16
1,3-Butadiene
Concen: 9.613 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42



Tgt Ion: 39 Resp: 59116
Ion Ratio Lower Upper
39 100
54 67.3 57.9 86.9





#17

tert-Butyl alcohol

Concen: 10.024 ppbv

RT: 2.039 min Scan# 604

Delta R.T. -0.003 min

Lab File: VL042665.D

Acq: 23 Jun 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VL0623ABS01

Tgt Ion: 59 Resp: 13557

Ion Ratio Lower Upper

59 100

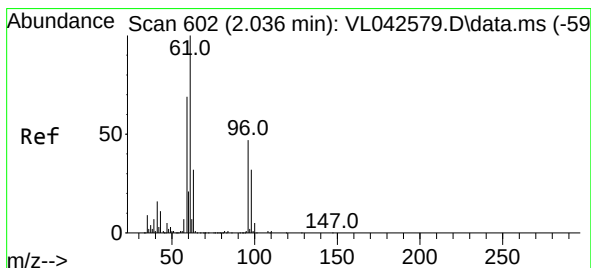
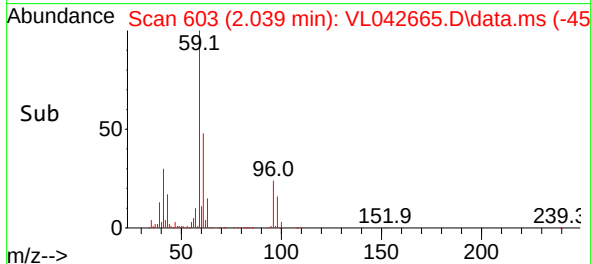
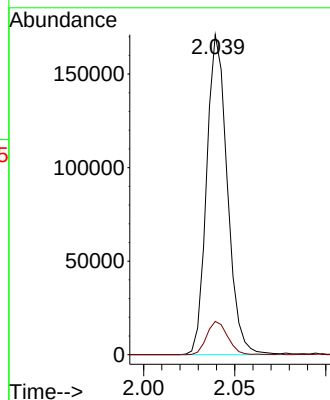
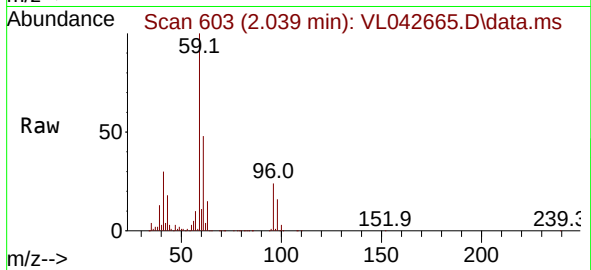
57 10.8 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025

Supervised By :Semsettin Yesilyurt 06/24/2025



#18

1,1-Dichloroethene

Concen: 10.587 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.003 min

Lab File: VL042665.D

Acq: 23 Jun 2025 10:42

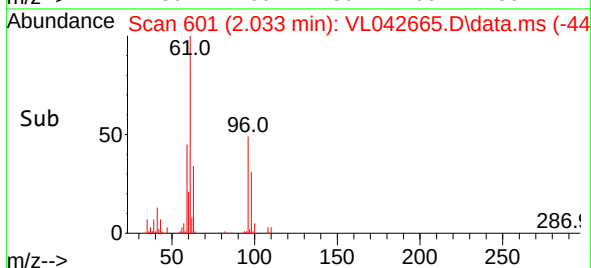
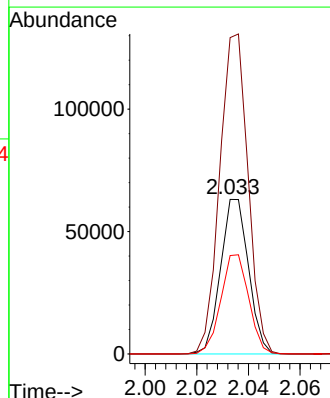
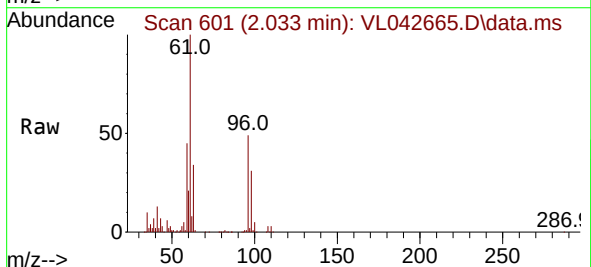
Tgt Ion: 96 Resp: 47492

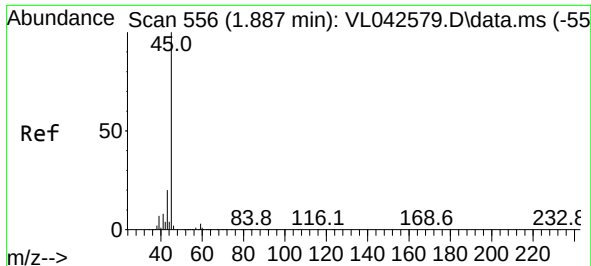
Ion Ratio Lower Upper

96 100

61 204.7 171.1 256.7

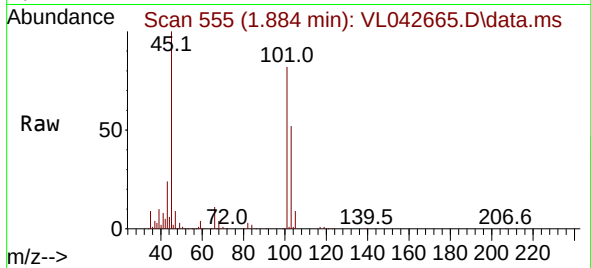
98 63.7 54.4 81.6





#19
Isopropyl Alcohol
Concen: 9.868 ppbv
RT: 1.884 min Scan# 556
Delta R.T. -0.003 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

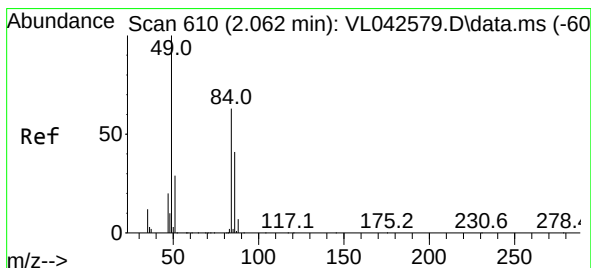
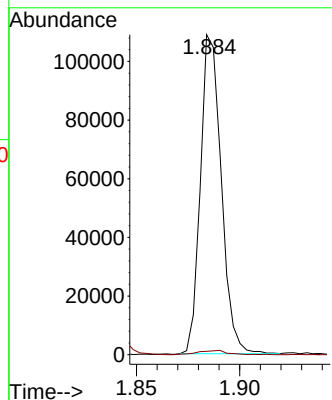
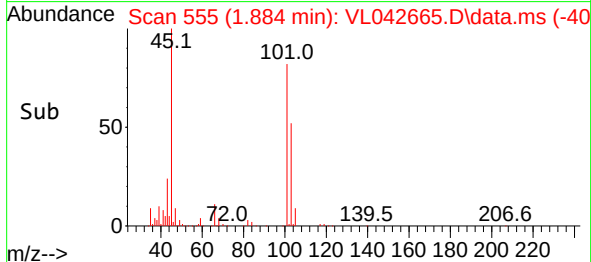
Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01



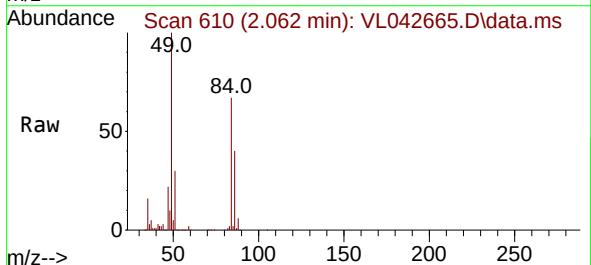
Tgt Ion: 45 Resp: 76582
Ion Ratio Lower Upper
45 100
58 1.9 29.4 44.2

Manual Integrations
APPROVED

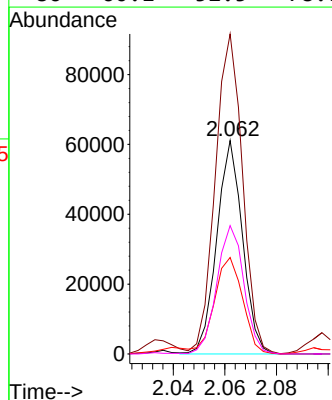
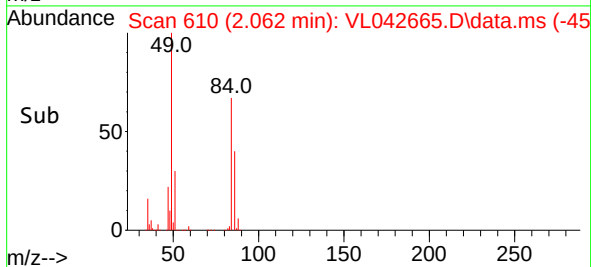
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

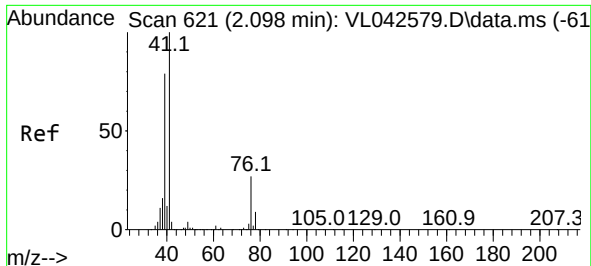


#20
Methylene Chloride
Concen: 9.883 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42



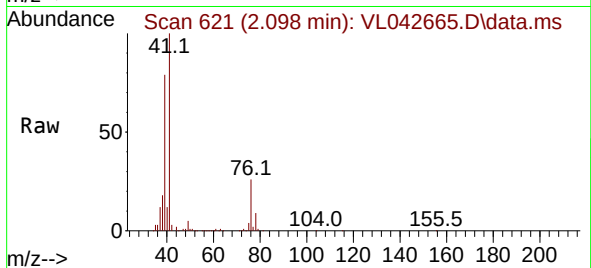
Tgt Ion: 84 Resp: 42343
Ion Ratio Lower Upper
84 100
49 149.8 128.8 193.2
51 45.2 38.6 57.8
86 60.1 52.5 78.7





#21
Allyl Chloride
Concen: 10.096 ppbv
RT: 2.098 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

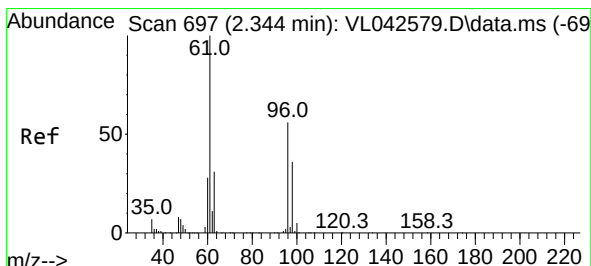
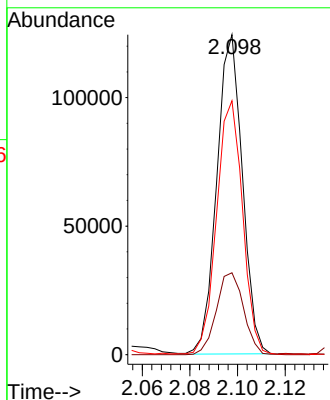
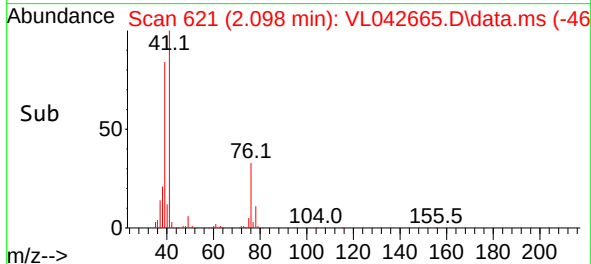
Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01



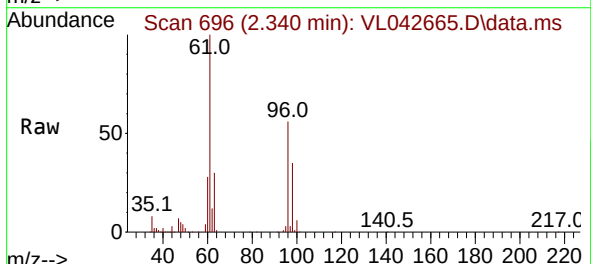
Tgt Ion: 41 Resp: 92470
Ion Ratio Lower Upper
41 100
76 27.2 21.2 31.8
39 80.7 60.9 91.3

Manual Integrations
APPROVED

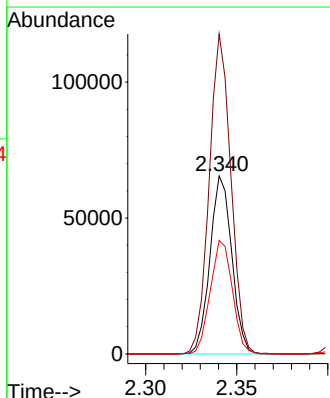
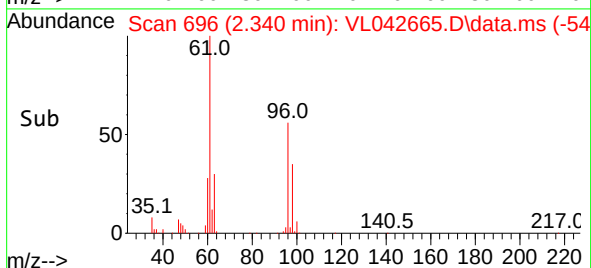
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

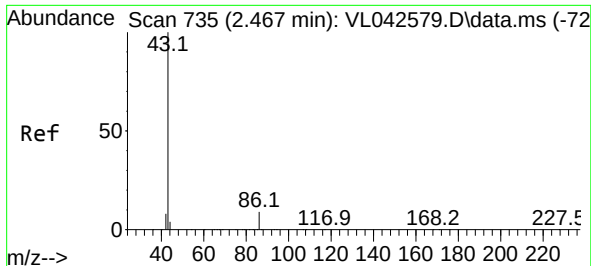


#22
trans-1,2-Dichloroethene
Concen: 10.918 ppbv
RT: 2.340 min Scan# 696
Delta R.T. -0.003 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42



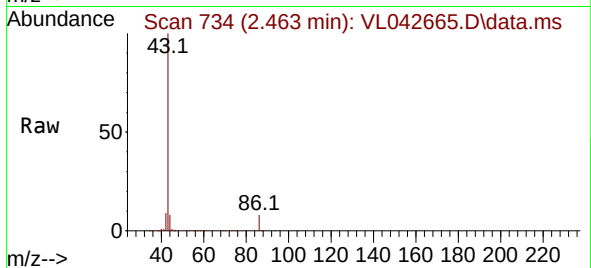
Tgt Ion: 96 Resp: 54708
Ion Ratio Lower Upper
96 100
61 179.7 142.6 214.0
98 63.8 51.0 76.4





#23
 Vinyl Acetate
 Concen: 10.862 ppbv
 RT: 2.463 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042665.D
 Acq: 23 Jun 2025 10:42

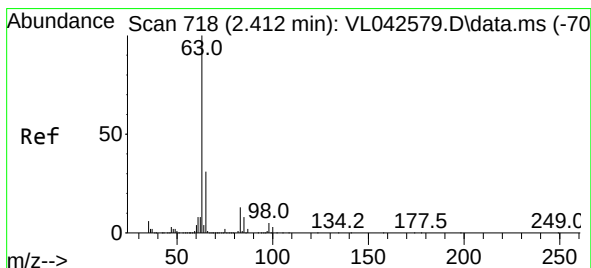
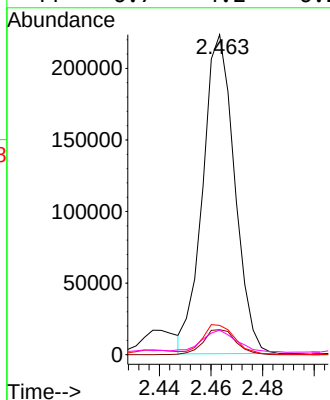
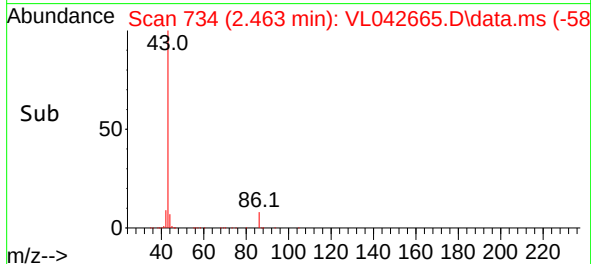
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0623ABS01



Tgt Ion: 43 Resp: 190609
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.6 9.8
 42 9.1 7.0 10.4
 44 6.7 4.2 6.2#

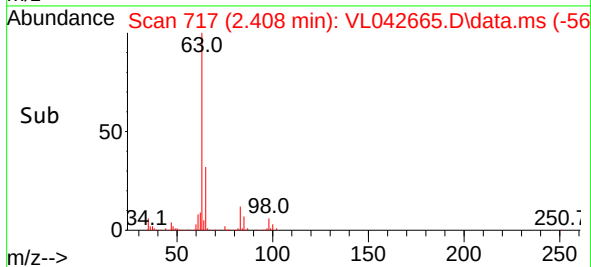
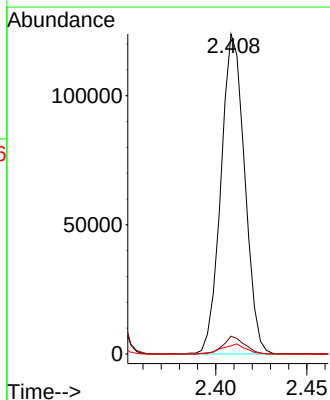
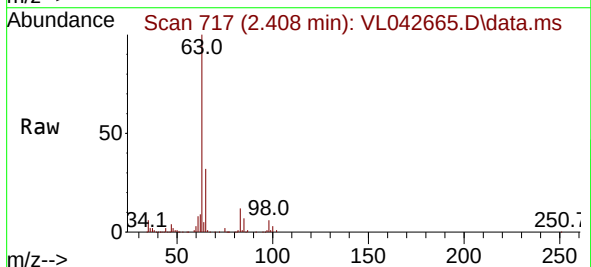
Manual Integrations
 APPROVED

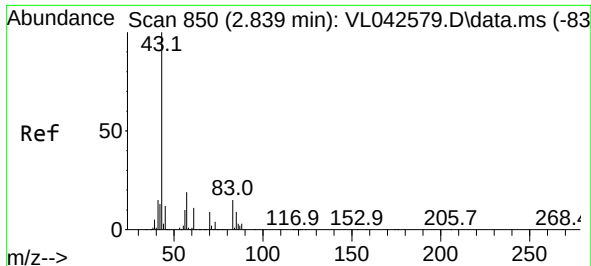
Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025



#24
 1,1-Dichloroethane
 Concen: 10.859 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL042665.D
 Acq: 23 Jun 2025 10:42

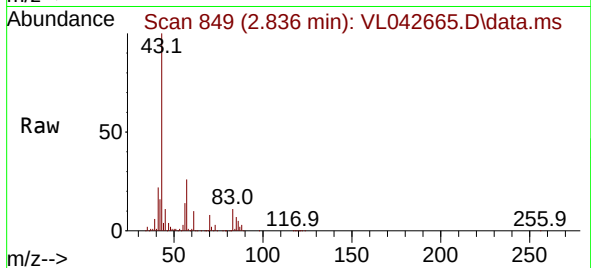
Tgt Ion: 63 Resp: 111954
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.4 7.1
 100 2.6 1.4 4.0





#25
Ethyl Acetate
Concen: 9.796 ppbv
RT: 2.836 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

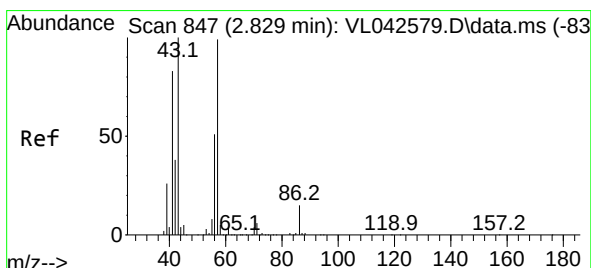
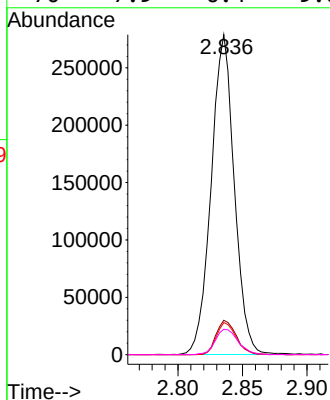
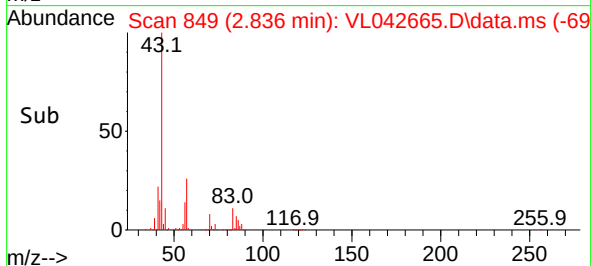
Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01



Tgt Ion: 43 Resp: 348038
Ion Ratio Lower Upper
43 100
45 9.5 8.2 12.2
61 8.8 7.1 10.7
70 7.9 6.4 9.6

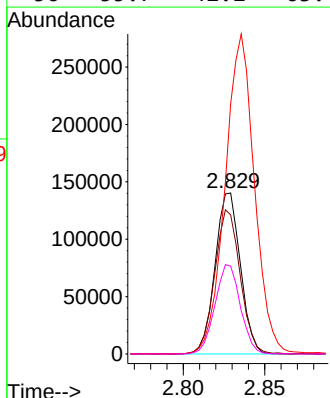
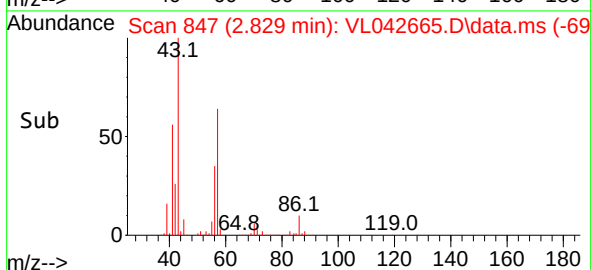
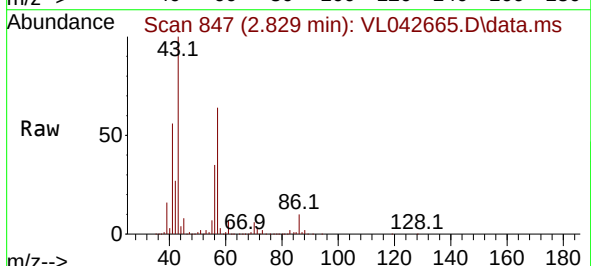
Manual Integrations
APPROVED

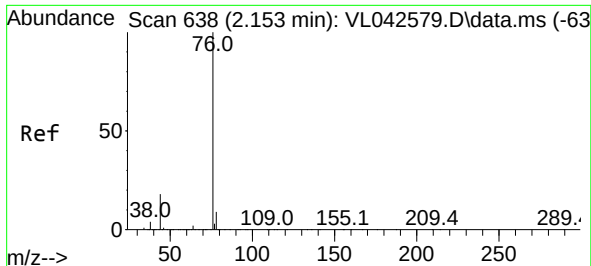
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#26
Hexane
Concen: 9.357 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

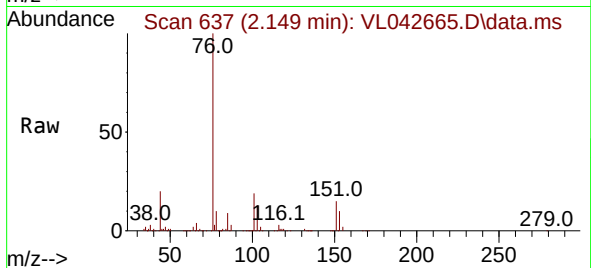
Tgt Ion: 57 Resp: 151056
Ion Ratio Lower Upper
57 100
41 91.3 70.6 106.0
43 231.1 181.1 271.7
56 55.7 42.2 63.4





#27
Carbon Disulfide
Concen: 11.045 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

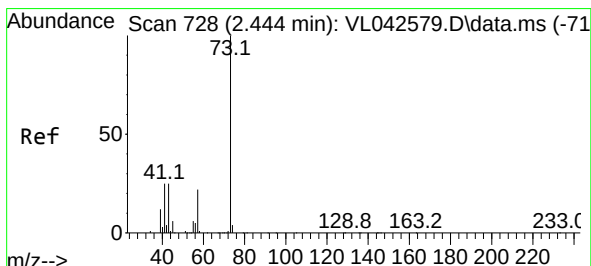
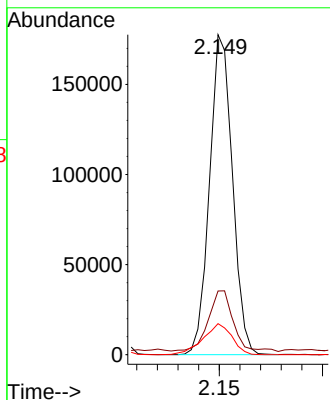
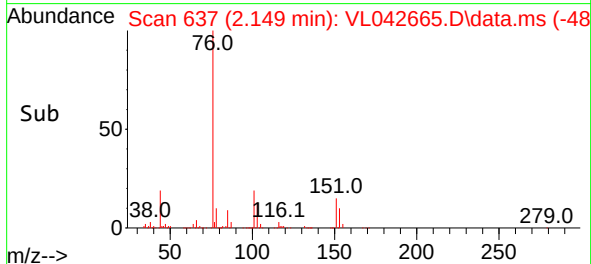
Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01



Tgt Ion: 76 Resp: 136889
Ion Ratio Lower Upper
76 100
44 22.3 21.3 31.9
78 12.2 9.4 14.0

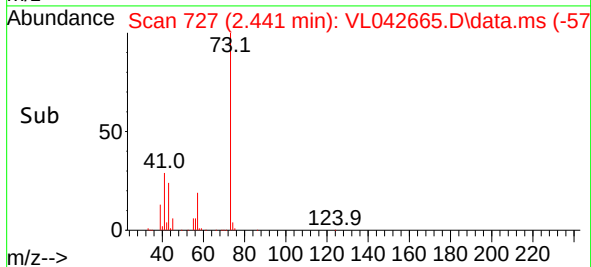
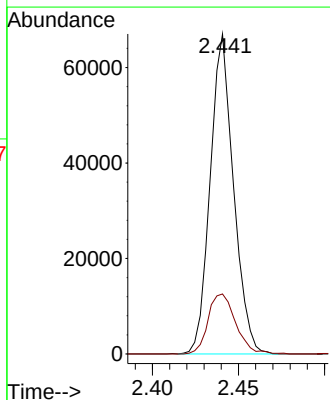
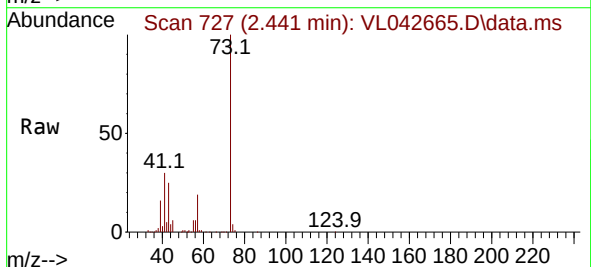
Manual Integrations
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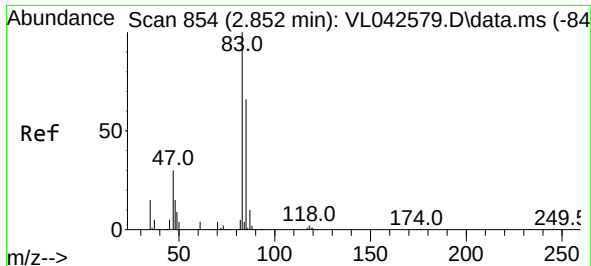
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#28
Methyl tert-Butyl Ether
Concen: 9.647 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.003 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

Tgt Ion: 73 Resp: 63194
Ion Ratio Lower Upper
73 100
57 22.2 19.9 29.9





#29

Chloroform

Concen: 10.595 ppbv

RT: 2.849 min Scan# 853

Delta R.T. -0.003 min

Lab File: VL042665.D

Acq: 23 Jun 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VL0623ABS01

Tgt Ion: 83 Resp: 222410

Ion Ratio Lower Upper

83 100

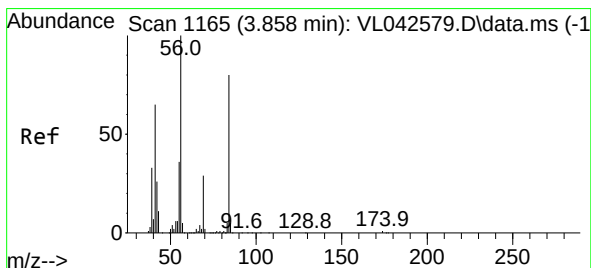
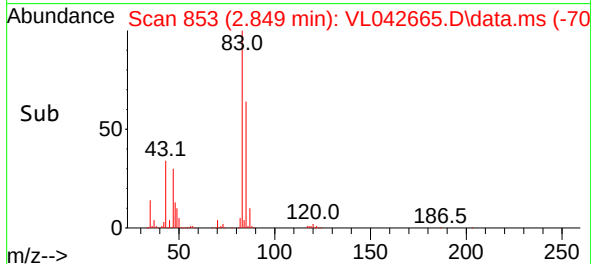
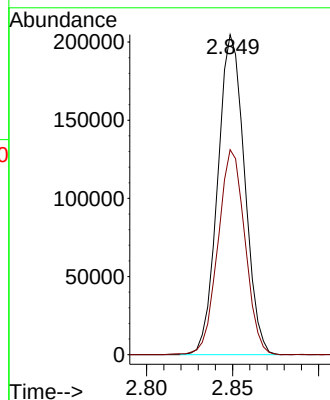
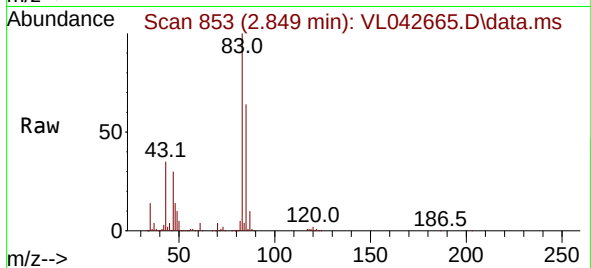
85 64.1 52.8 79.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025

Supervised By :Semsettin Yesilyurt 06/24/2025



#30

Cyclohexane

Concen: 9.105 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VL042665.D

Acq: 23 Jun 2025 10:42

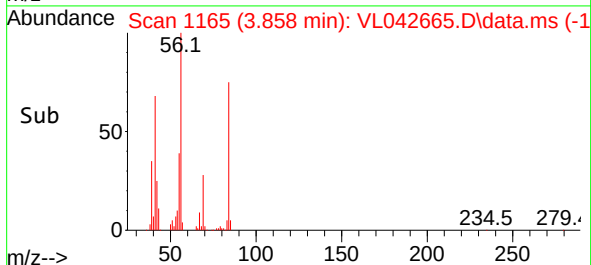
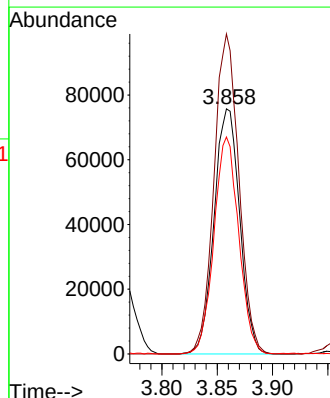
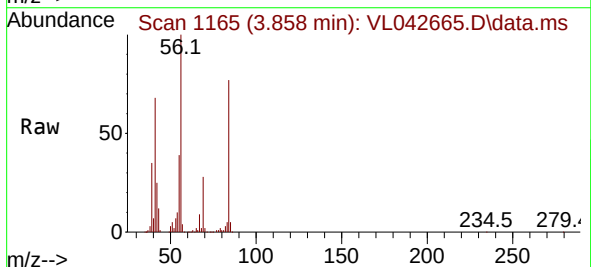
Tgt Ion: 84 Resp: 121851

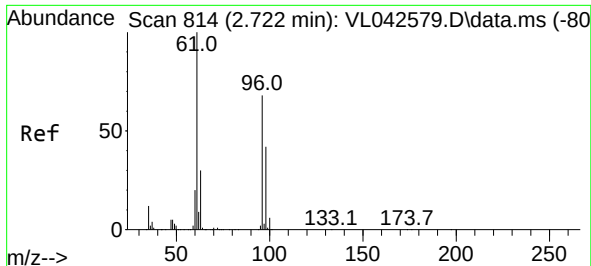
Ion Ratio Lower Upper

84 100

56 126.6 103.7 155.5

41 85.8 65.1 97.7





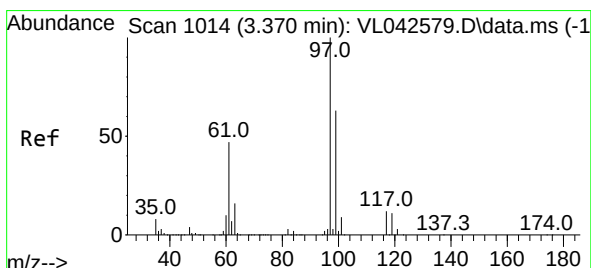
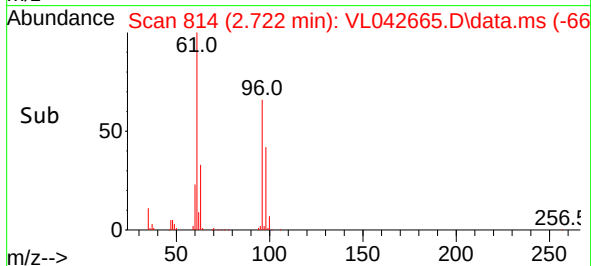
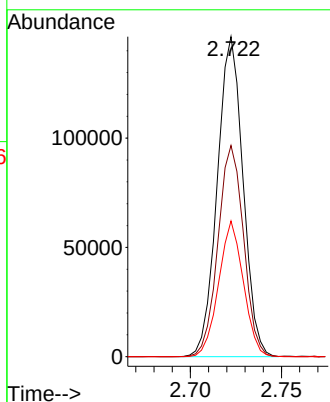
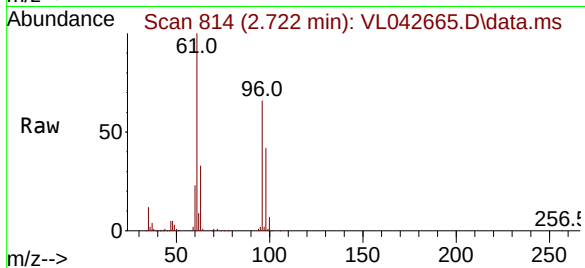
#31
 cis-1,2-Dichloroethene
 Concen: 9.751 ppbv
 RT: 2.722 min Scan# 814
 Delta R.T. 0.000 min
 Lab File: VL042665.D
 Acq: 23 Jun 2025 10:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0623ABS01

Tgt Ion: 61 Resp: 143995
 Ion Ratio Lower Upper
 61 100
 96 66.0 54.5 81.7
 98 42.4 33.4 50.2

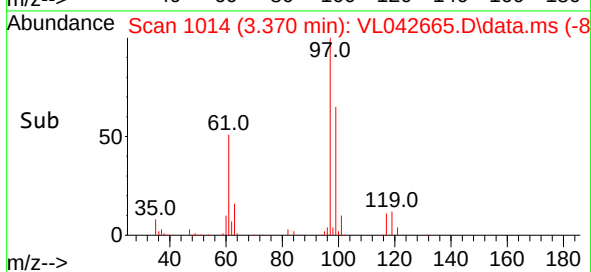
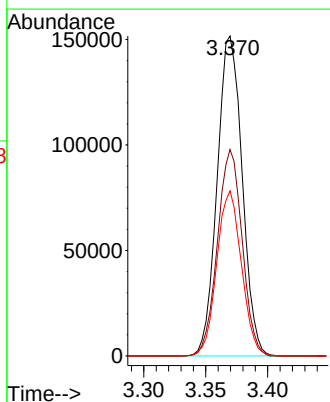
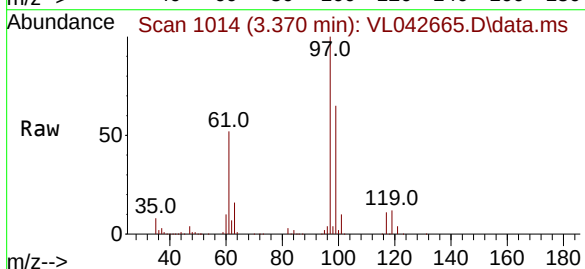
Manual Integrations
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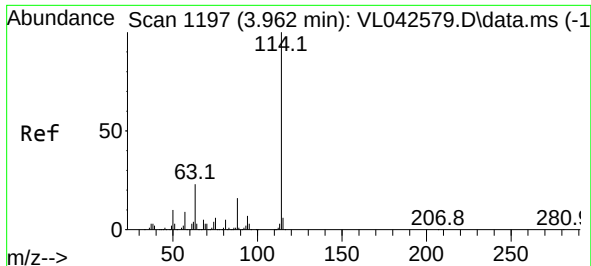
Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025



#32
 1,1,1-Trichloroethane
 Concen: 9.964 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.000 min
 Lab File: VL042665.D
 Acq: 23 Jun 2025 10:42

Tgt Ion: 97 Resp: 213727
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.0 76.6
 61 50.9 39.4 59.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.003 min

Lab File: VL042665.D

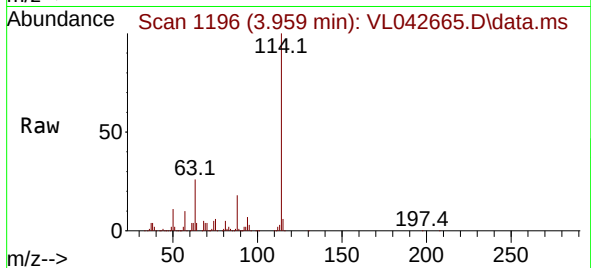
Acq: 23 Jun 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VL0623ABS01



Tgt Ion:114 Resp: 274320

Ion Ratio Lower Upper

114 100

63 25.7 19.0 28.6

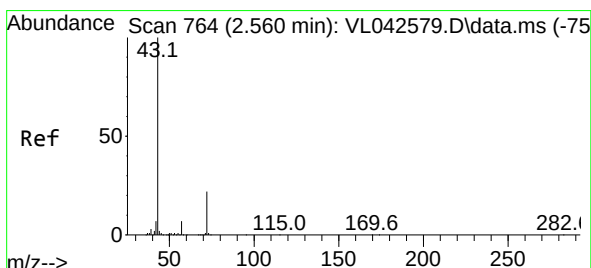
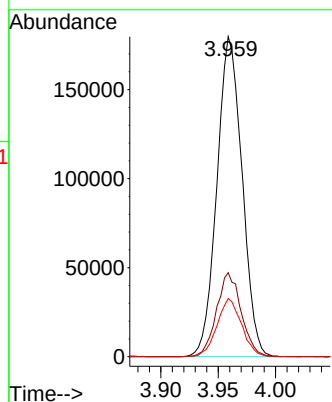
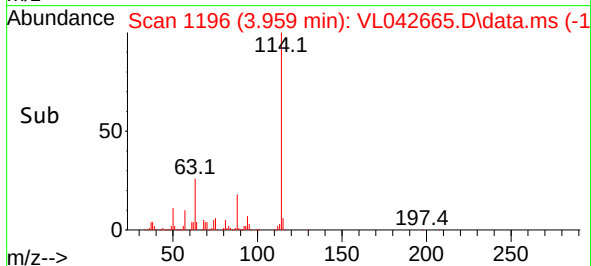
88 17.6 13.6 20.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/24/2025

Supervised By :Semsettin Yesilyurt 06/24/2025



#34

2-Butanone

Concen: 11.587 ppbv

RT: 2.557 min Scan# 763

Delta R.T. -0.003 min

Lab File: VL042665.D

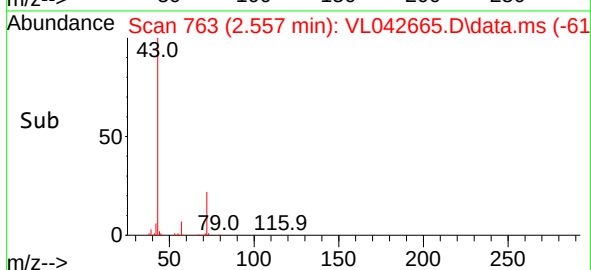
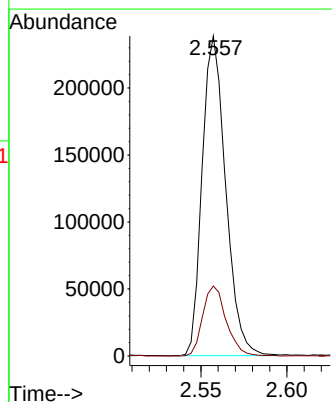
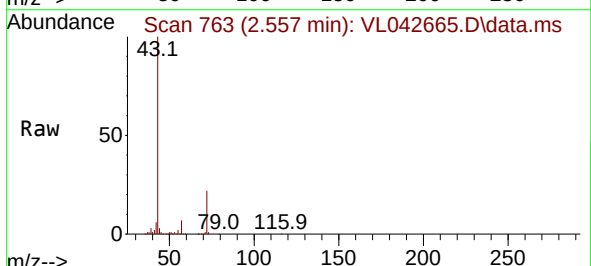
Acq: 23 Jun 2025 10:42

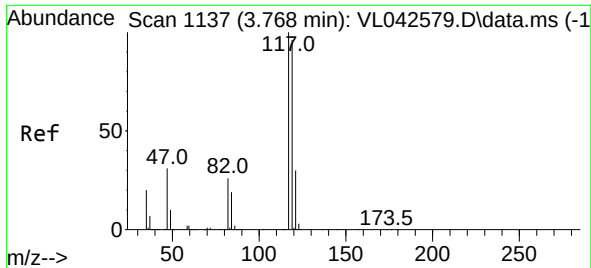
Tgt Ion: 43 Resp: 226678

Ion Ratio Lower Upper

43 100

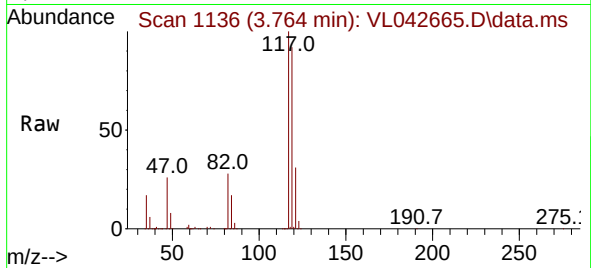
72 22.0 17.7 26.5





#35
Carbon Tetrachloride
Concen: 11.966 ppbv
RT: 3.764 min Scan# 1136
Delta R.T. -0.003 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

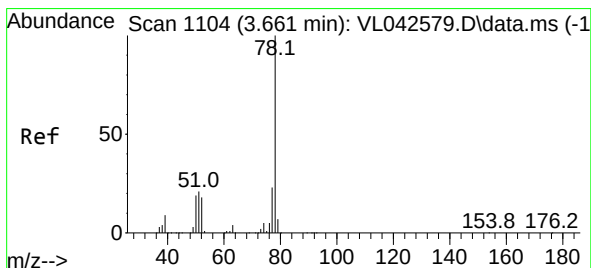
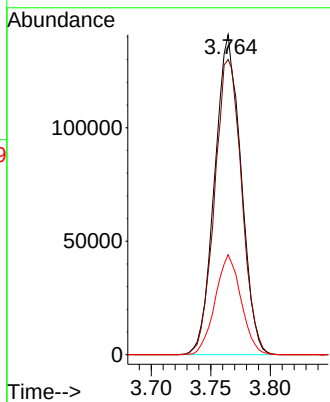
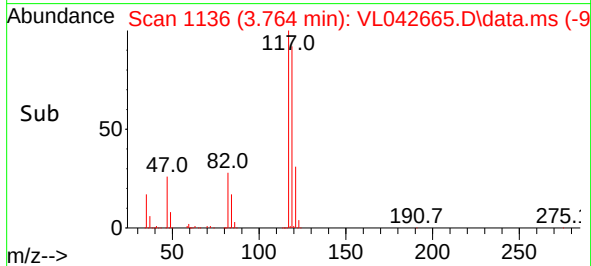
Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01



Tgt Ion:117 Resp: 216690
Ion Ratio Lower Upper
117 100
119 92.3 76.8 115.2
121 31.3 24.3 36.5

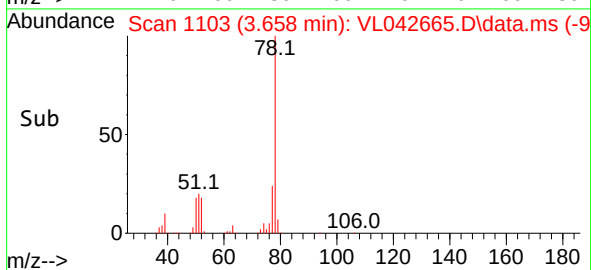
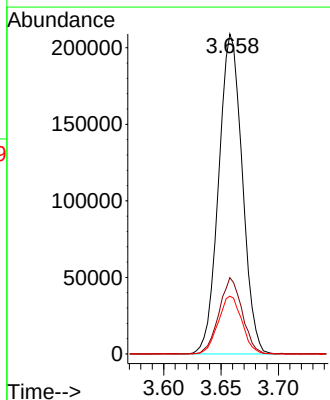
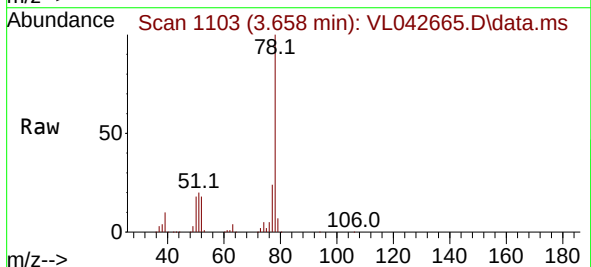
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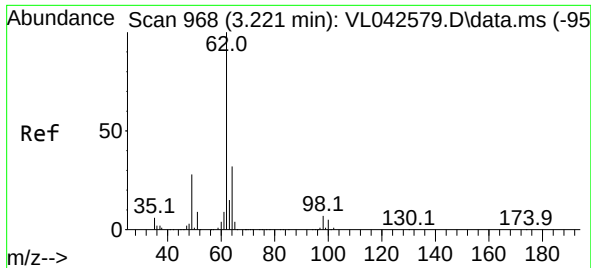
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#36
Benzene
Concen: 11.051 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

Tgt Ion: 78 Resp: 298538
Ion Ratio Lower Upper
78 100
77 23.7 18.2 27.2
50 18.1 15.2 22.8





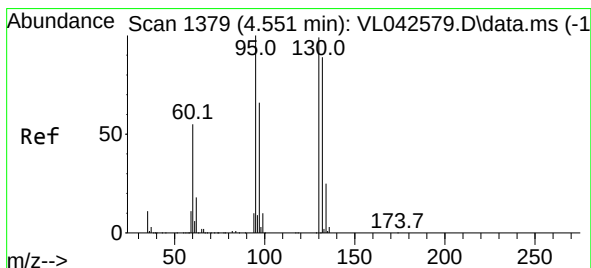
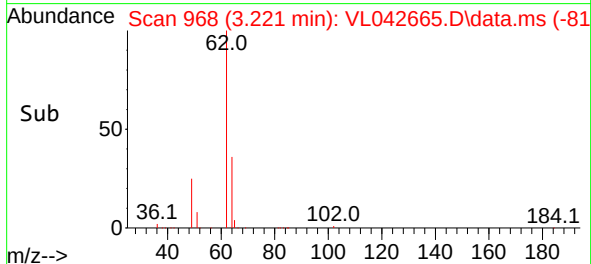
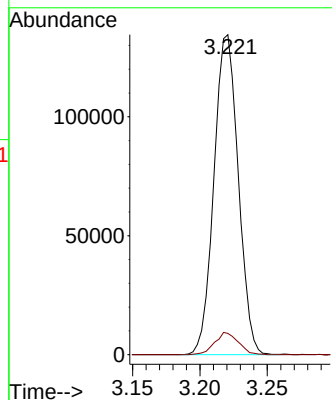
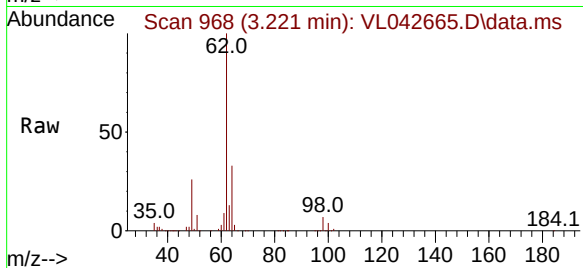
#37
1,2-Dichloroethane
Concen: 12.580 ppbv
RT: 3.221 min Scan# 968
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01

Tgt Ion: 62 Resp: 16890
Ion Ratio Lower Upper
62 100
98 6.7 6.1 9.1

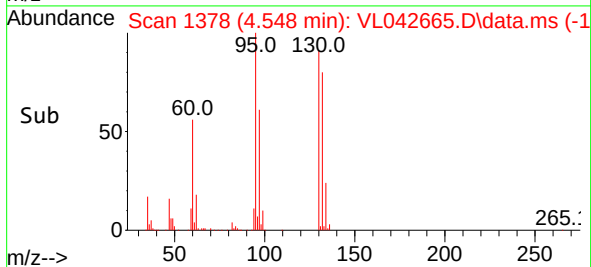
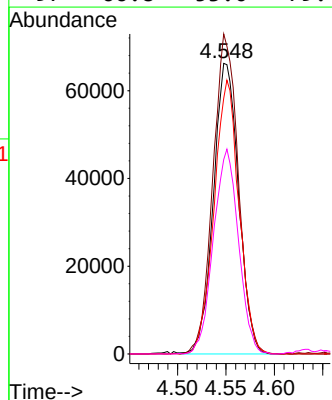
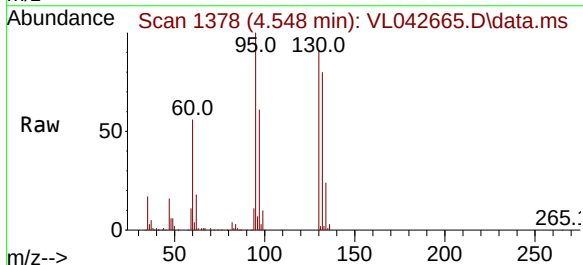
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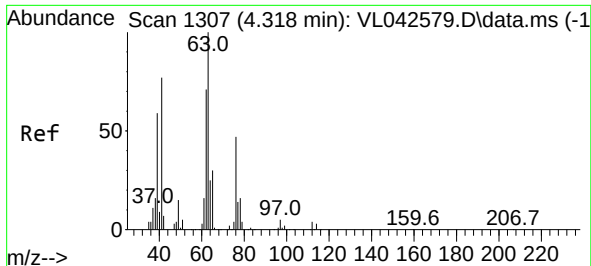
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#38
Trichloroethene
Concen: 10.456 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

Tgt Ion:130 Resp: 120060
Ion Ratio Lower Upper
130 100
95 110.1 80.6 121.0
132 88.0 71.8 107.6
97 66.8 53.0 79.4





#39

1,2-Dichloropropane

Concen: 11.067 ppbv

RT: 4.318 min Scan# 110560

Delta R.T. 0.000 min

Lab File: VL042665.D

Acq: 23 Jun 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VL0623ABS01

Tgt Ion: 63 Resp: 110560

Ion Ratio Lower Upper

63 100

41 78.1 61.8 92.6

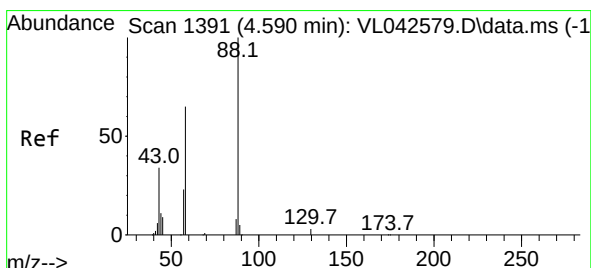
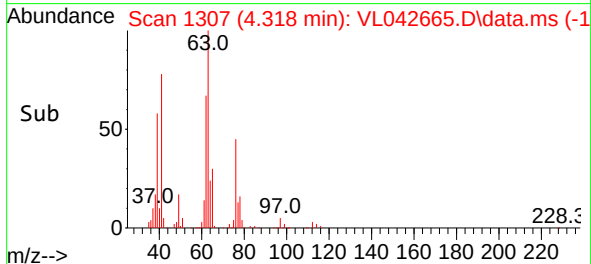
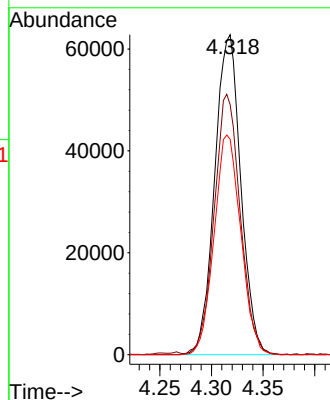
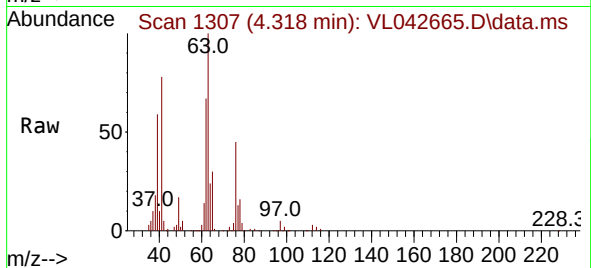
62 67.3 56.6 85.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/24/2025

Supervised By :Semsettin Yesilyurt 06/24/2025



#40

1,4-Dioxane

Concen: 10.736 ppbv

RT: 4.583 min Scan# 1389

Delta R.T. -0.006 min

Lab File: VL042665.D

Acq: 23 Jun 2025 10:42

Tgt Ion: 88 Resp: 47991

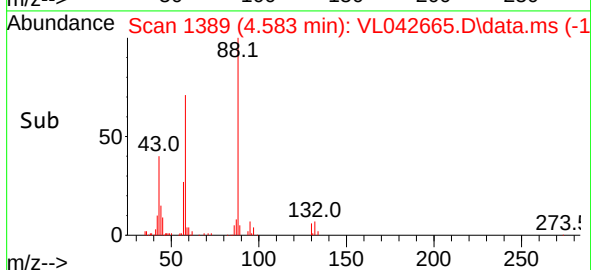
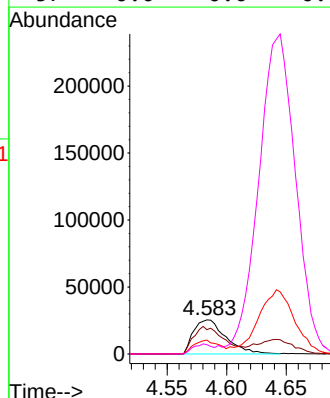
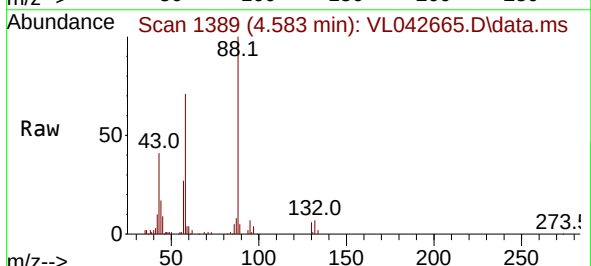
Ion Ratio Lower Upper

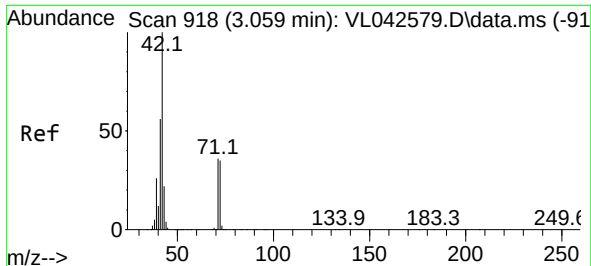
88 100

58 72.8 55.8 83.8

43 31.9 24.8 37.2

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 10.785 ppbv

RT: 3.056 min Scan# 918

Delta R.T. -0.003 min

Lab File: VL042665.D

Acq: 23 Jun 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VL0623ABS01

Tgt Ion: 42 Resp: 123509

Ion Ratio Lower Upper

42 100

72 36.4 28.9 43.3

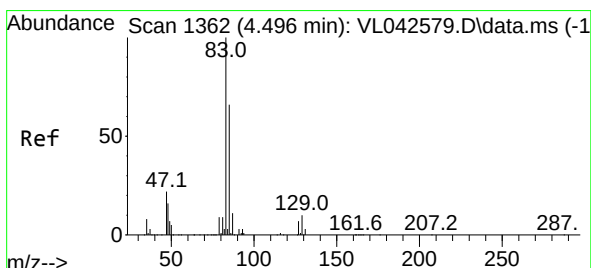
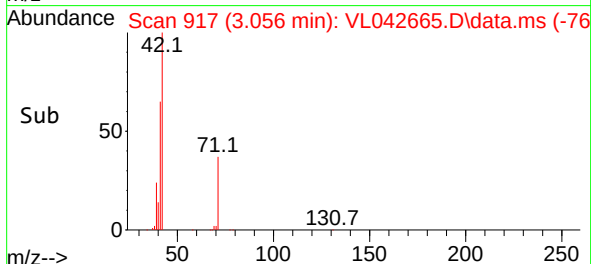
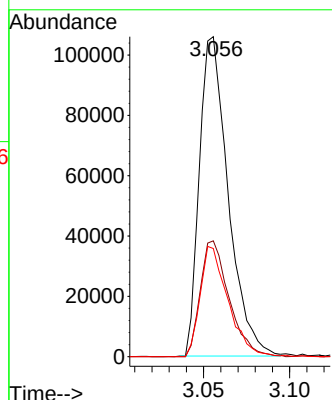
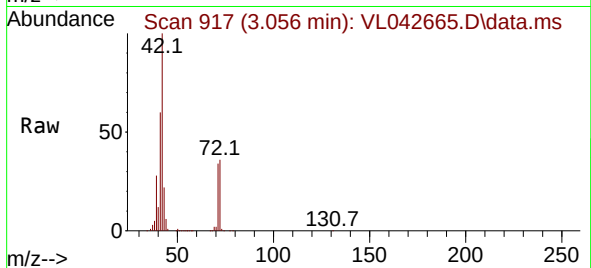
71 33.5 28.5 42.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/24/2025

Supervised By :Semsettin Yesilyurt 06/24/2025



#42

Bromodichloromethane

Concen: 12.348 ppbv

RT: 4.493 min Scan# 1361

Delta R.T. -0.003 min

Lab File: VL042665.D

Acq: 23 Jun 2025 10:42

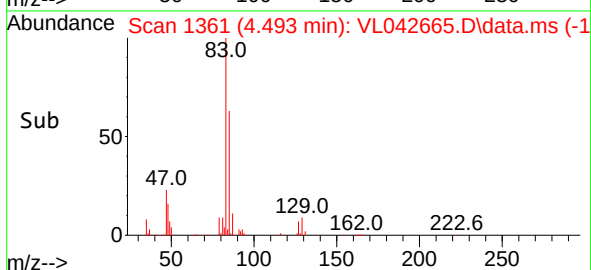
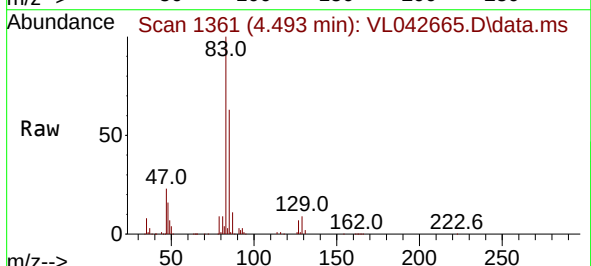
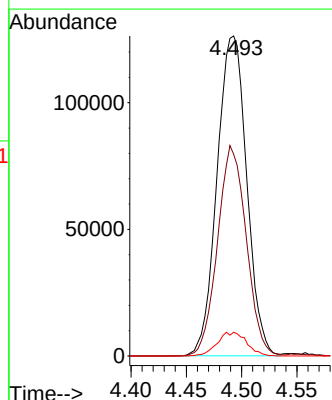
Tgt Ion: 83 Resp: 235473

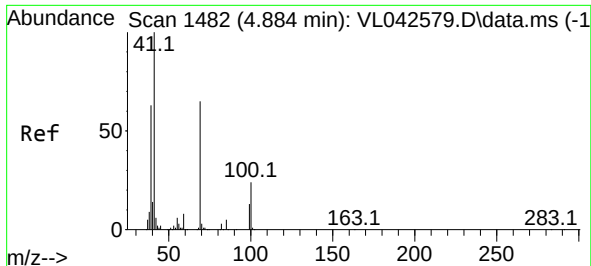
Ion Ratio Lower Upper

83 100

85 63.1 52.7 79.1

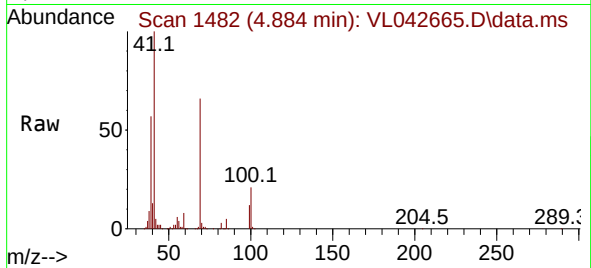
127 7.4 5.8 8.6





#43
Methyl Methacrylate
Concen: 10.423 ppbv
RT: 4.884 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

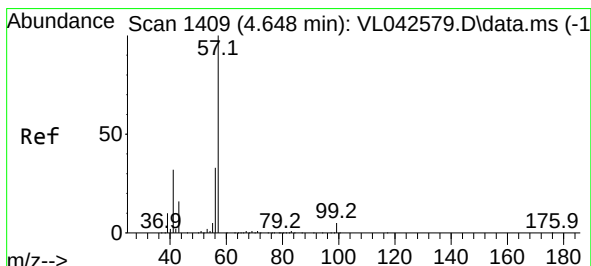
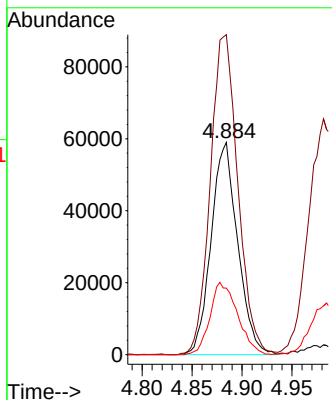
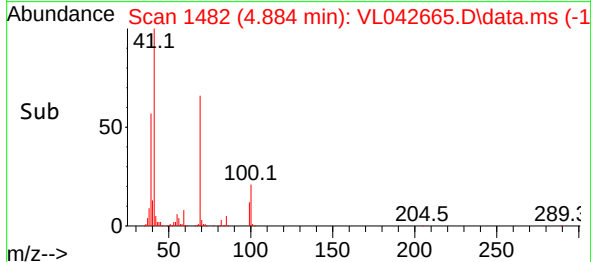
Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01



Tgt Ion: 69 Resp: 109284
Ion Ratio Lower Upper
69 100
41 155.7 124.6 187.0
100 35.3 29.9 44.9

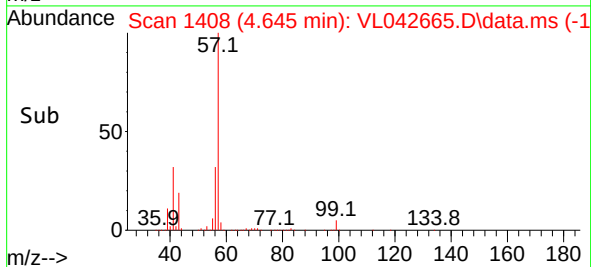
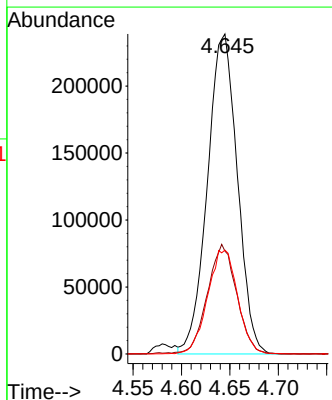
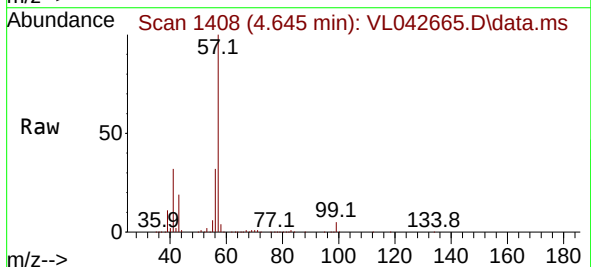
Manual Integrations
APPROVED

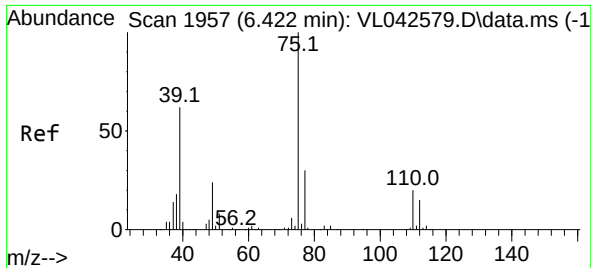
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#44
2,2,4-Trimethylpentane
Concen: 11.118 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.003 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

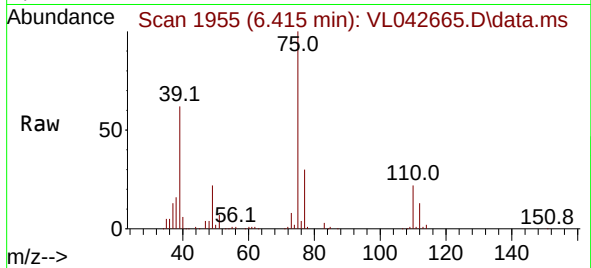
Tgt Ion: 57 Resp: 513745
Ion Ratio Lower Upper
57 100
41 33.5 26.1 39.1
56 32.7 25.9 38.9





#45
 t-1,3-Dichloropropene
 Concen: 10.502 ppbv
 RT: 6.415 min Scan# 1957
 Delta R.T. -0.006 min
 Lab File: VL042665.D
 Acq: 23 Jun 2025 10:42

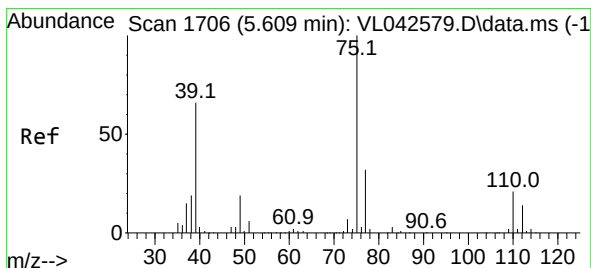
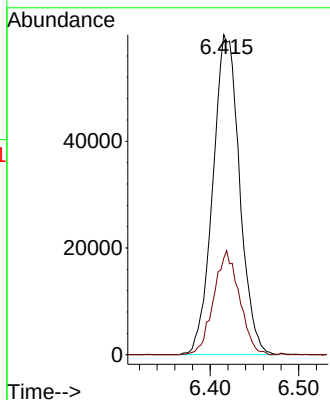
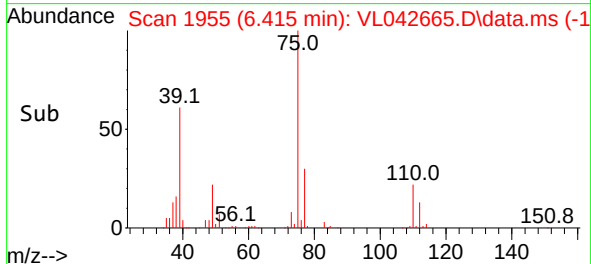
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0623ABS01



Tgt Ion: 75 Resp: 126000
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.2 36.2

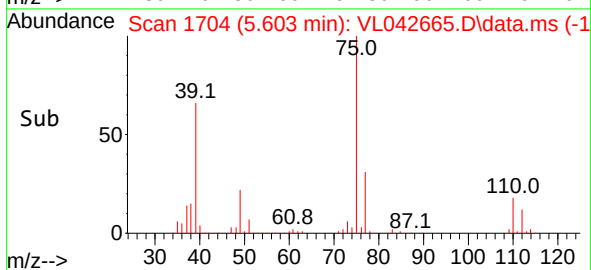
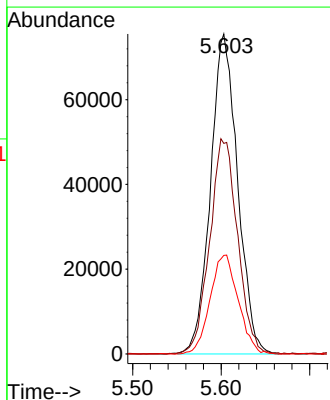
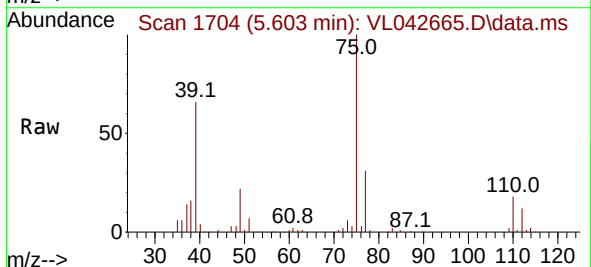
Manual Integrations
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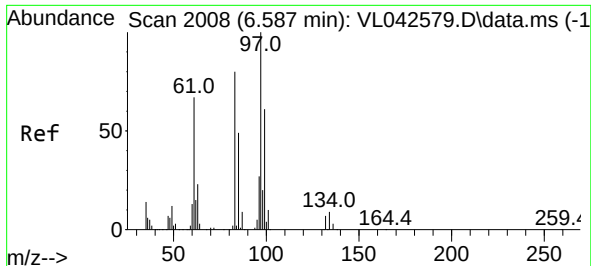
Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025



#46
 cis-1,3-Dichloropropene
 Concen: 10.692 ppbv
 RT: 5.603 min Scan# 1704
 Delta R.T. -0.006 min
 Lab File: VL042665.D
 Acq: 23 Jun 2025 10:42

Tgt Ion: 75 Resp: 160738
 Ion Ratio Lower Upper
 75 100
 39 65.4 52.7 79.1
 77 30.8 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 11.381 ppbv

RT: 6.584 min Scan# 2008

Delta R.T. -0.003 min

Lab File: VL042665.D

Acq: 23 Jun 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VL0623ABS01

Tgt Ion: 97 Resp: 117690

Ion Ratio Lower Upper

97 100

83 88.4 63.9 95.9

85 51.4 39.2 58.8

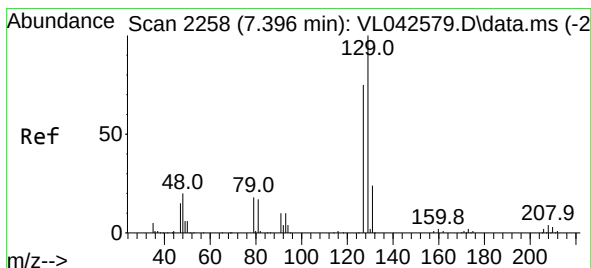
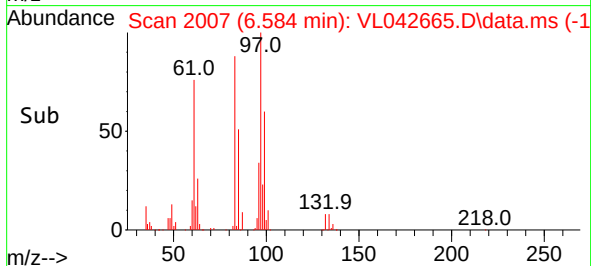
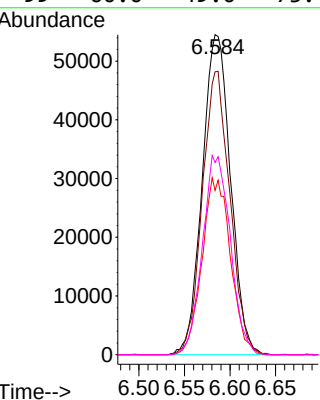
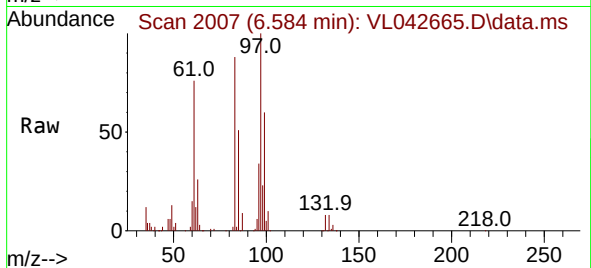
99 60.0 49.0 73.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025

Supervised By :Semsettin Yesilyurt 06/24/2025



#48

Dibromochloromethane

Concen: 11.412 ppbv

RT: 7.386 min Scan# 2255

Delta R.T. -0.010 min

Lab File: VL042665.D

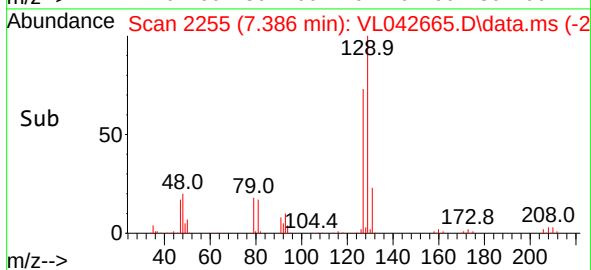
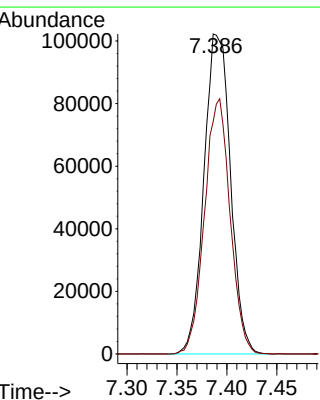
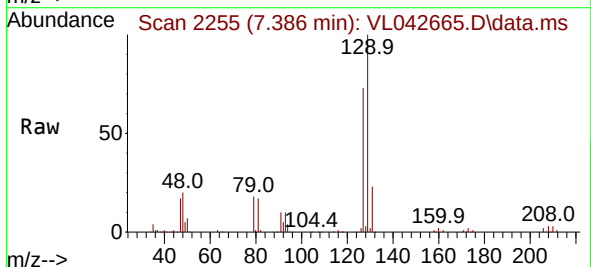
Acq: 23 Jun 2025 10:42

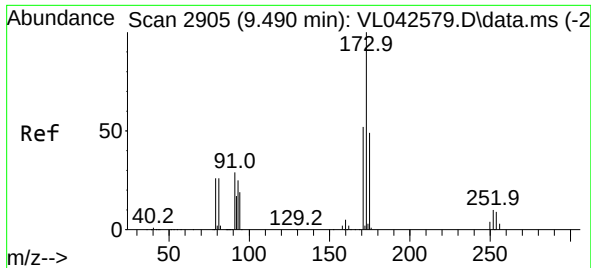
Tgt Ion:129 Resp: 188920

Ion Ratio Lower Upper

129 100

127 76.9 39.0 116.9





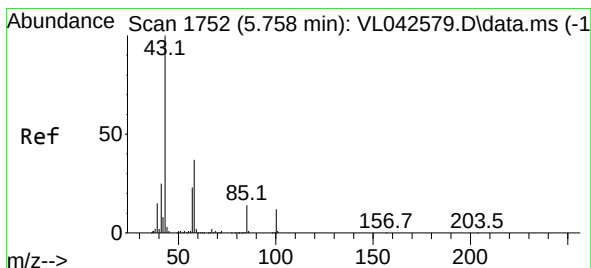
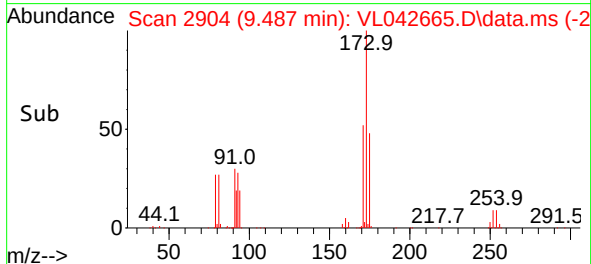
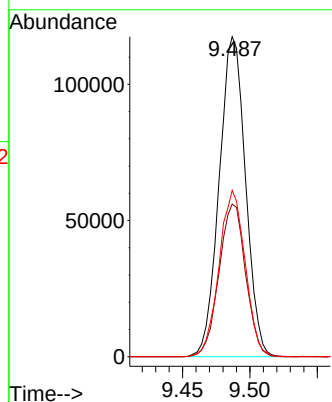
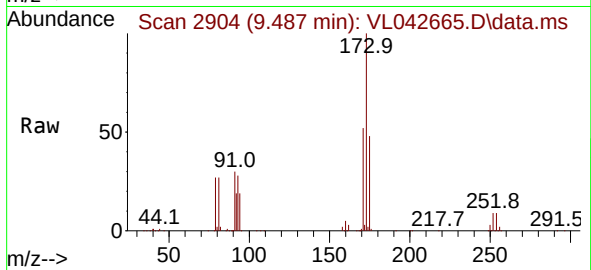
#49
Bromoform
Concen: 11.177 ppbv
RT: 9.487 min Scan# 2904
Delta R.T. -0.003 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

Instrument : MSVOA_L
ClientSampleId : VL0623ABS01

Tgt Ion:173 Resp: 15966
Ion Ratio Lower Upper
173 100
175 48.2 38.7 58.1
171 51.6 41.2 61.8

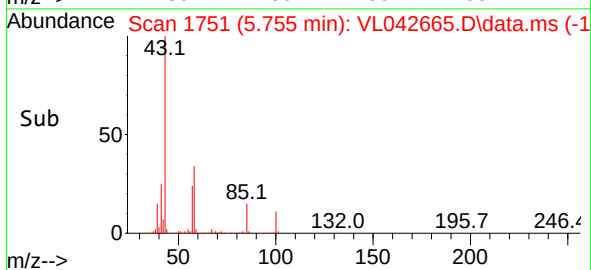
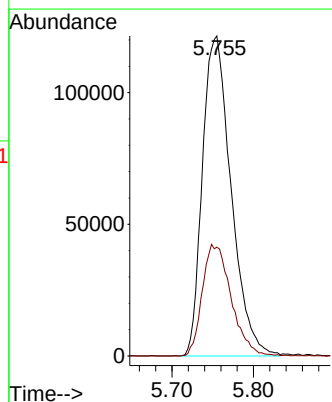
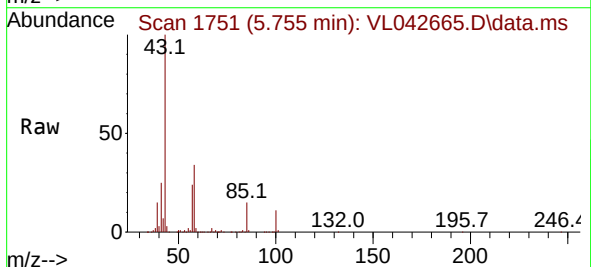
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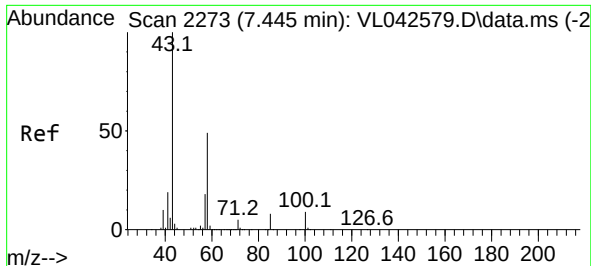
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#50
4-Methyl-2-Pentanone
Concen: 10.950 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. -0.003 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

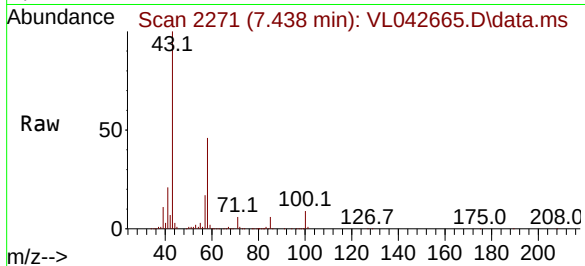
Tgt Ion: 43 Resp: 297128
Ion Ratio Lower Upper
43 100
58 35.1 28.3 42.5





#51
2-Hexanone
Concen: 11.021 ppbv
RT: 7.438 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

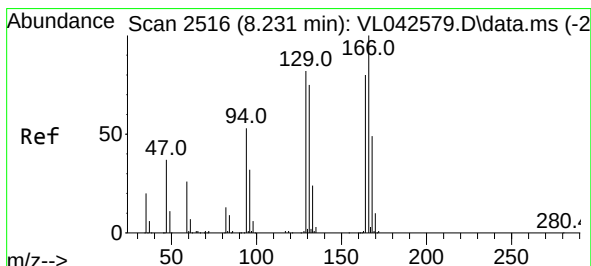
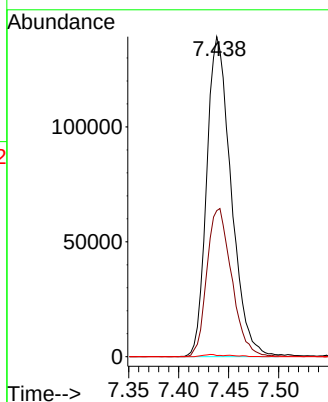
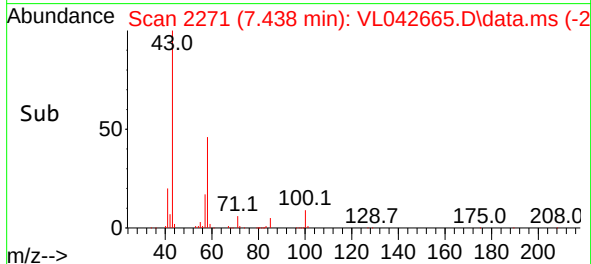
Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01



Tgt Ion: 43 Resp: 237170
Ion Ratio Lower Upper
43 100
58 47.1 39.9 59.9
98 0.7 0.1 0.1

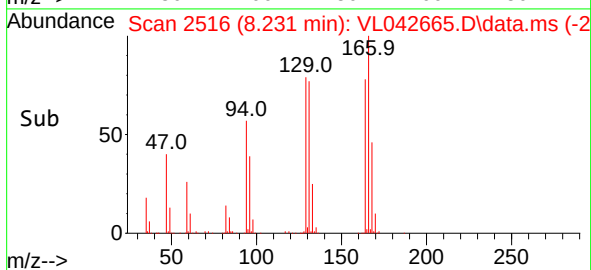
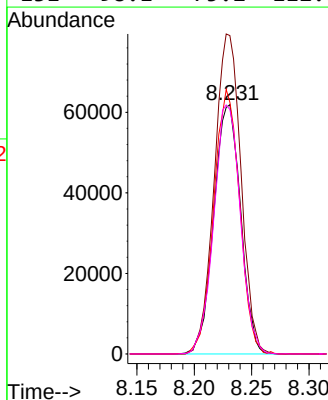
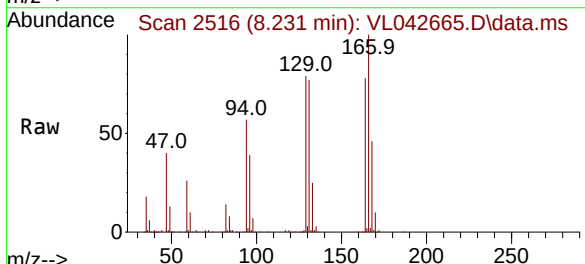
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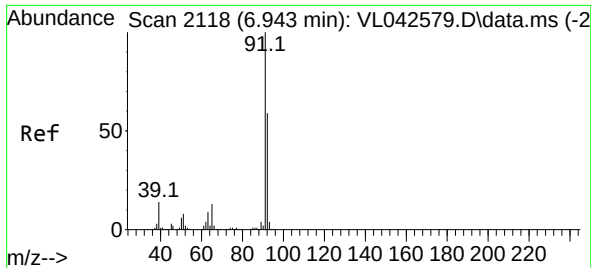
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#52
Tetrachloroethene
Concen: 9.963 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

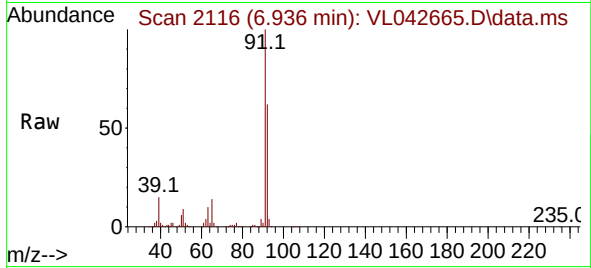
Tgt Ion:164 Resp: 100572
Ion Ratio Lower Upper
164 100
166 127.7 100.0 150.0
129 100.9 82.2 123.4
131 98.1 75.2 112.8





#53
Toluene
Concen: 10.467 ppbv
RT: 6.936 min Scan# 2118
Delta R.T. -0.006 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

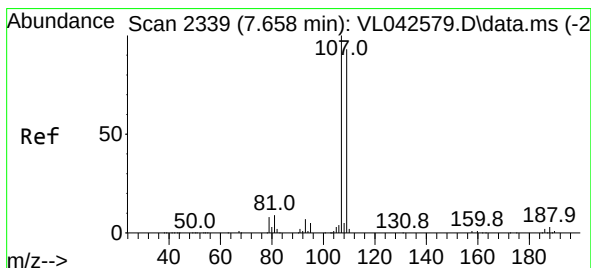
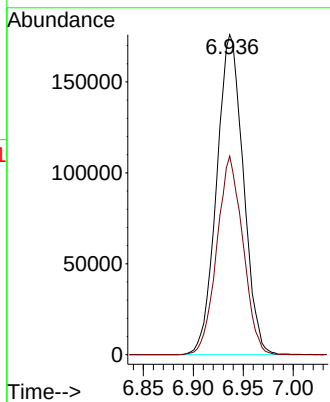
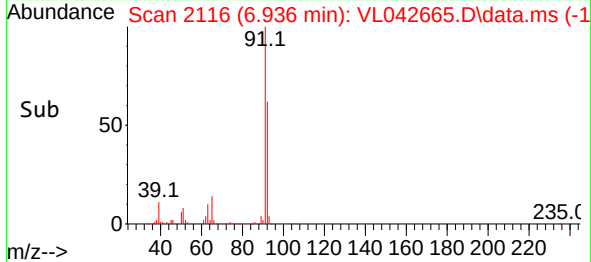
Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01



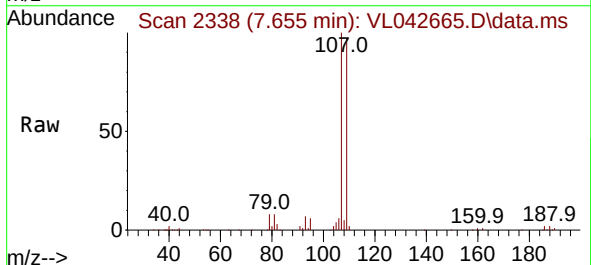
Tgt Ion: 91 Resp: 32679
Ion Ratio Lower Upper
91 100
92 60.5 48.2 72.4

Manual Integrations
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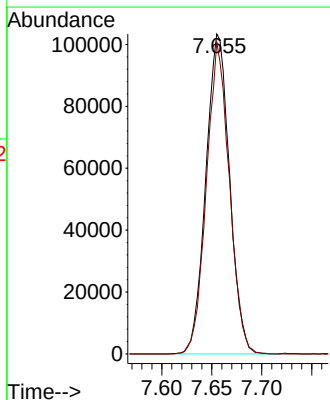
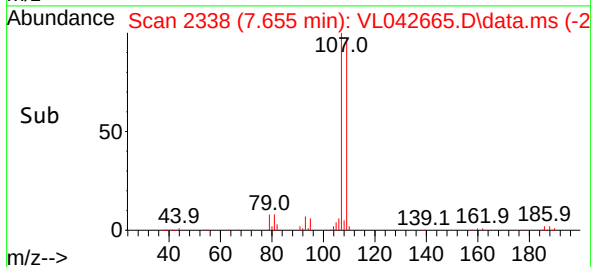
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

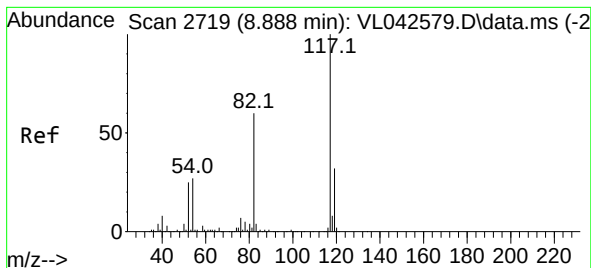


#54
1,2-Dibromoethane
Concen: 11.159 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.003 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42



Tgt Ion:107 Resp: 170800
Ion Ratio Lower Upper
107 100
109 97.3 74.3 111.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2719

Delta R.T. -0.003 min

Lab File: VL042665.D

Acq: 23 Jun 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VL0623ABS01

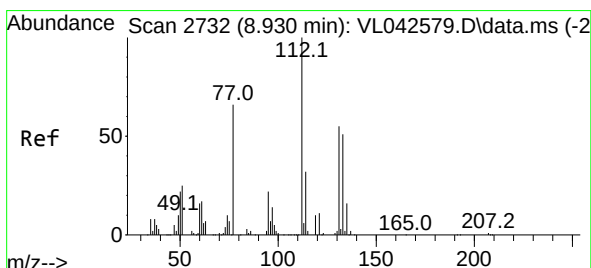
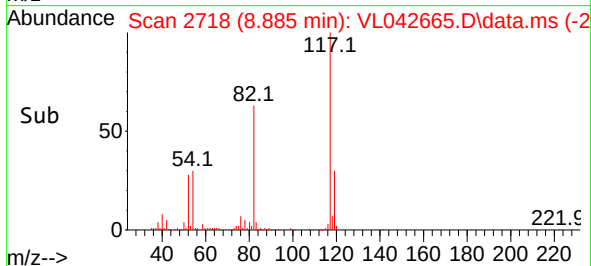
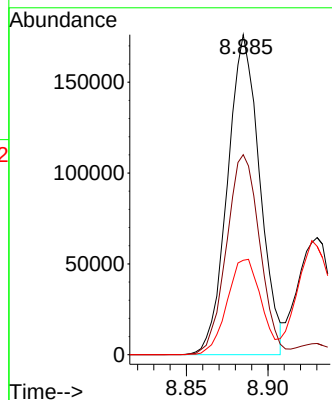
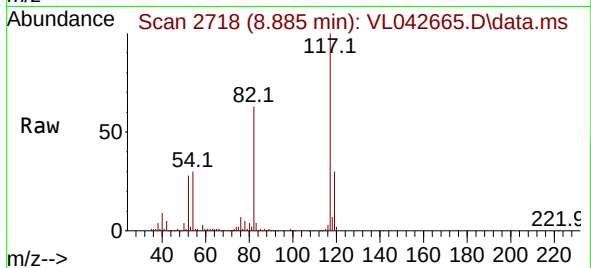
Tgt Ion:117 Resp: 241948

Ion	Ratio	Lower	Upper
117	100		
82	68.2	51.2	76.8
119	31.2	26.3	39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 11.745 ppbv

RT: 8.927 min Scan# 2731

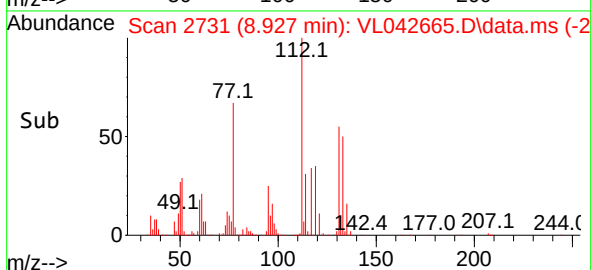
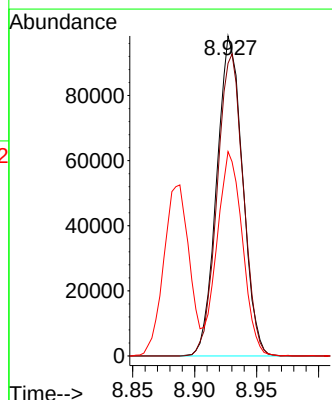
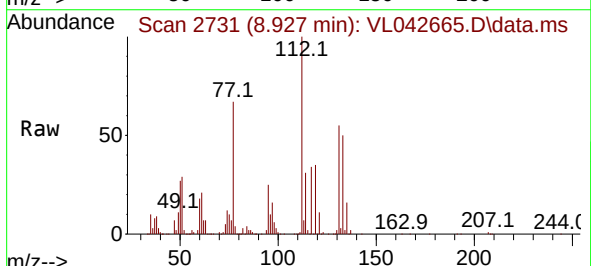
Delta R.T. -0.003 min

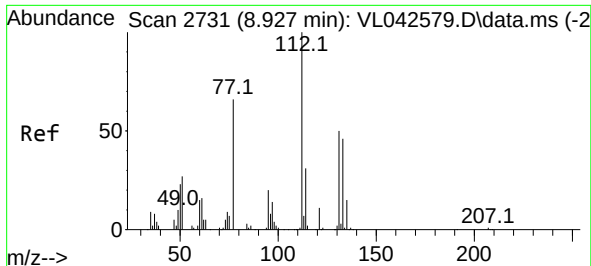
Lab File: VL042665.D

Acq: 23 Jun 2025 10:42

Tgt Ion:131 Resp: 142888

Ion	Ratio	Lower	Upper
131	100		
133	95.5	75.0	112.6
119	63.5	50.8	76.2





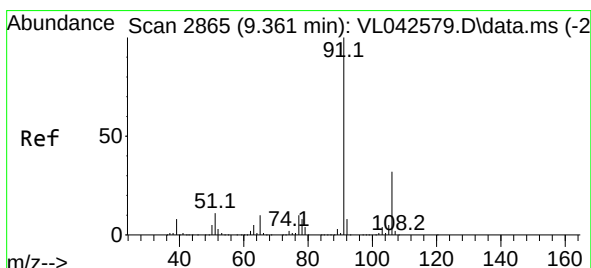
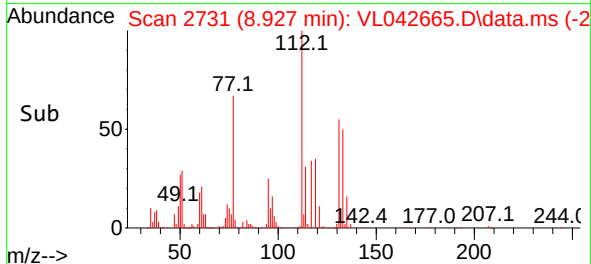
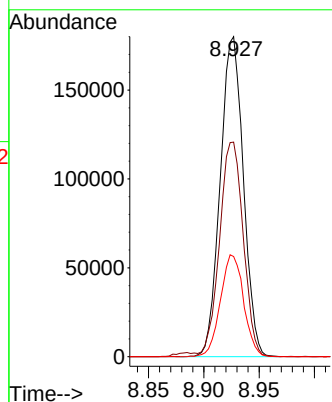
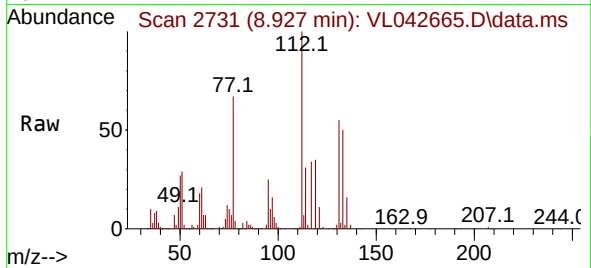
#57
Chlorobenzene
Concen: 11.149 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01

Tgt Ion:112 Resp: 26192
Ion Ratio Lower Upper
112 100
77 67.0 53.5 80.3
114 31.3 27.8 34.0

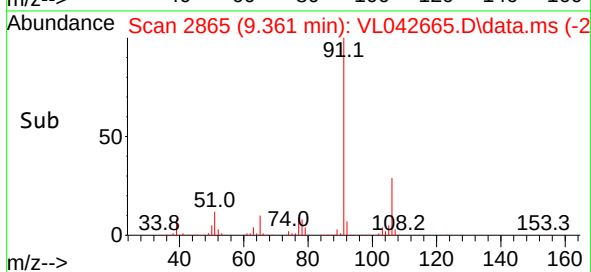
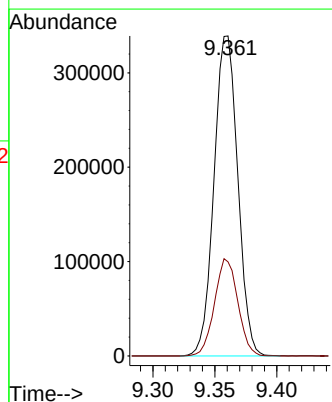
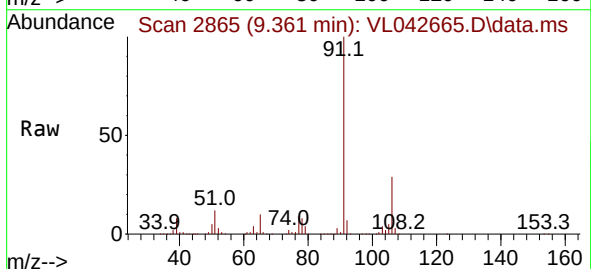
Manual Integrations
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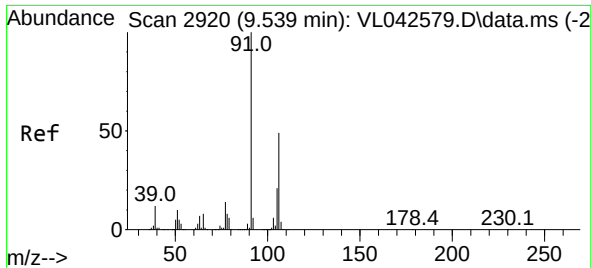
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#58
Ethyl Benzene
Concen: 11.040 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

Tgt Ion: 91 Resp: 453069
Ion Ratio Lower Upper
91 100
106 29.4 25.9 38.9





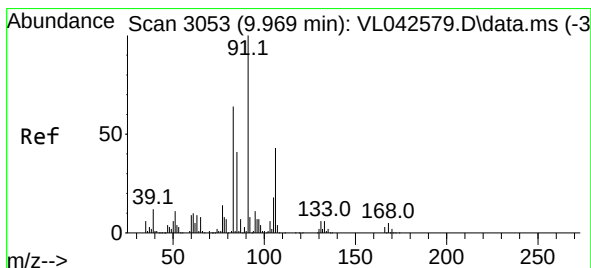
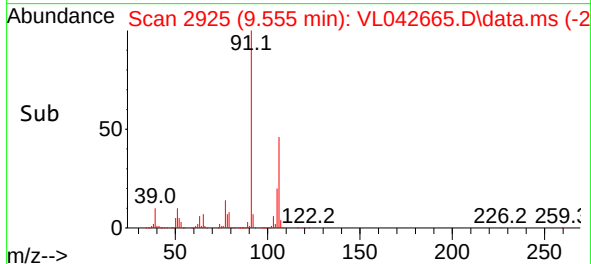
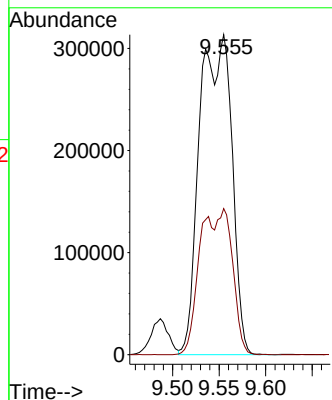
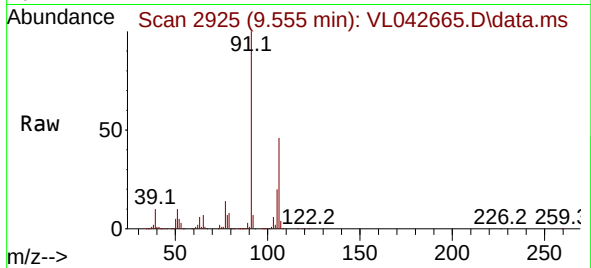
#59
m/p-Xylene
Concen: 23.370 ppbv m
RT: 9.555 min Scan# 2920
Delta R.T. 0.016 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01

Tgt Ion: 91 Resp: 754783
Ion Ratio Lower Upper
91 100
106 0.0 38.8 58.2

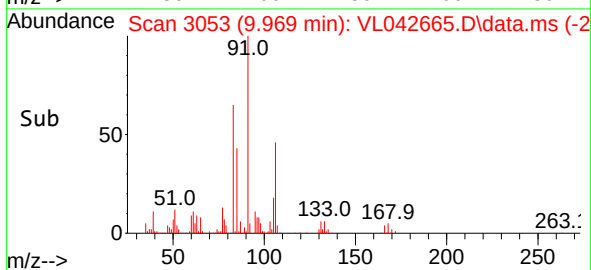
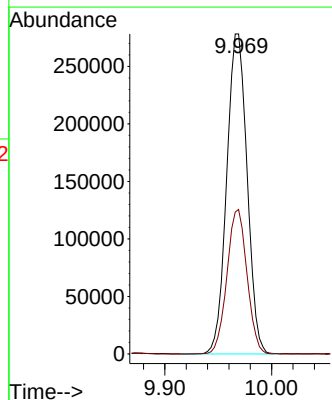
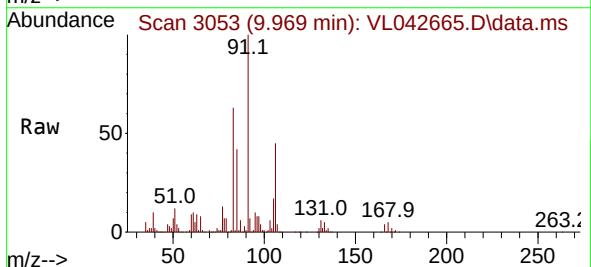
Manual Integrations
APPROVED

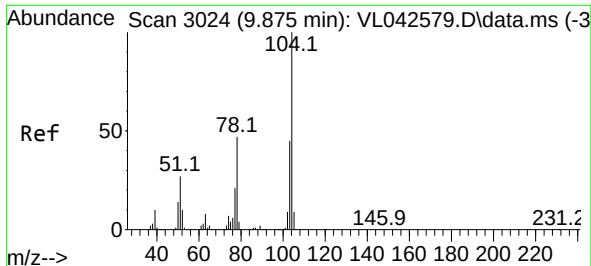
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#60
o-Xylene
Concen: 11.448 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

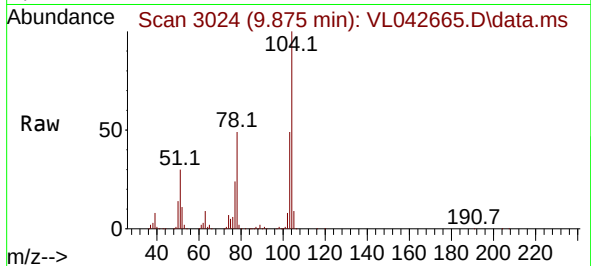
Tgt Ion: 91 Resp: 368763
Ion Ratio Lower Upper
91 100
106 44.4 22.9 68.5





#61
Styrene
Concen: 10.274 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

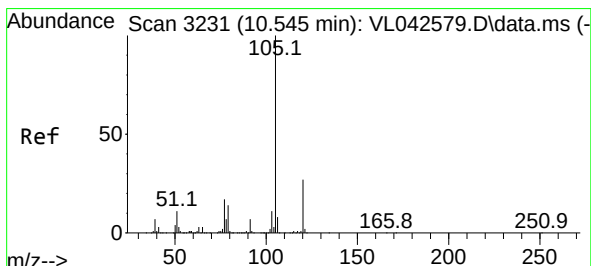
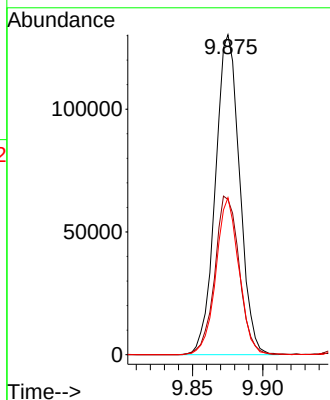
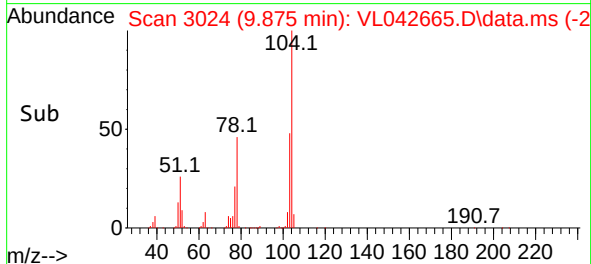
Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01



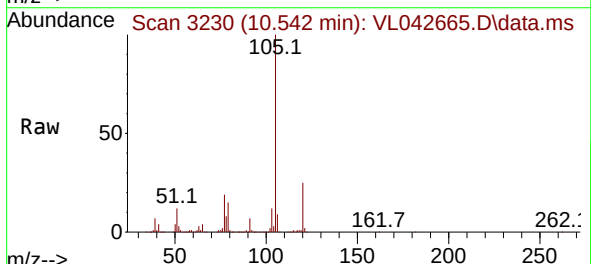
Tgt Ion:104 Resp: 156470
Ion Ratio Lower Upper
104 100
78 49.9 38.2 57.4
103 46.8 36.7 55.1

Manual Integrations
APPROVED

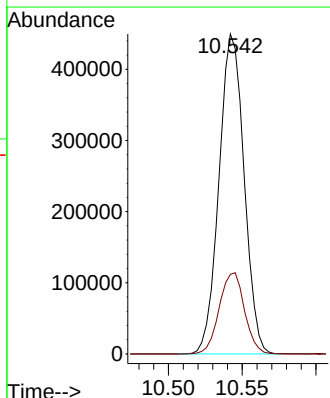
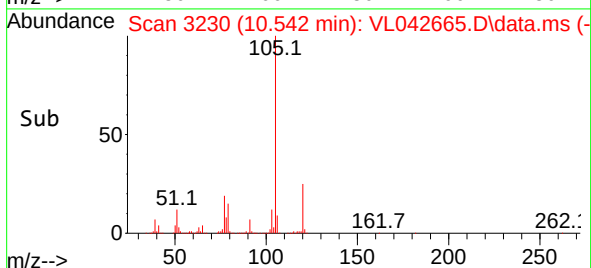
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

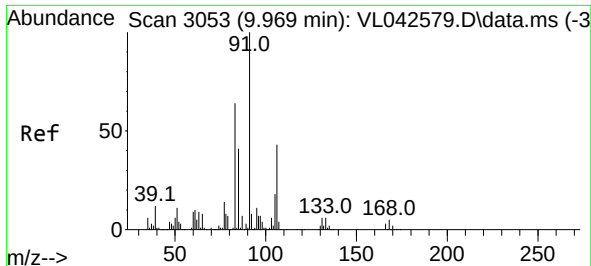


#62
Isopropylbenzene
Concen: 11.173 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.003 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42



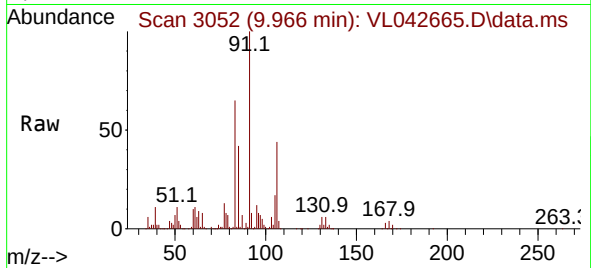
Tgt Ion:105 Resp: 531696
Ion Ratio Lower Upper
105 100
120 25.6 20.9 31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 11.570 ppbv
RT: 9.966 min Scan# 3053
Delta R.T. -0.003 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

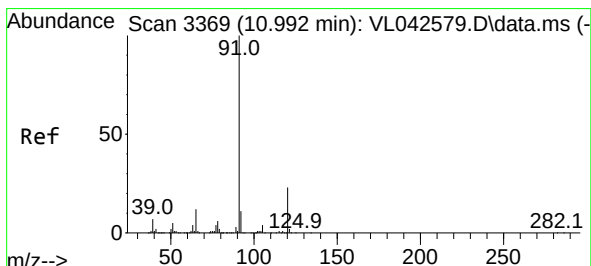
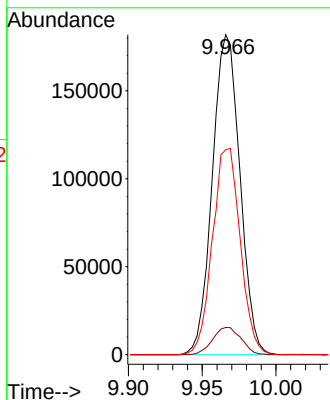
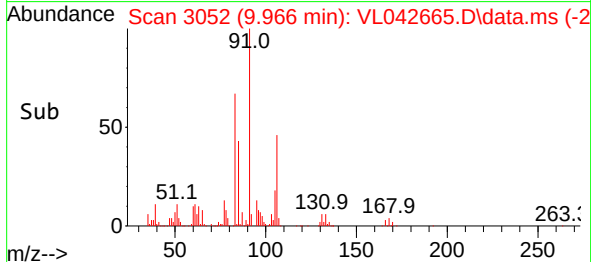
Instrument : MSVOA_L
ClientSampleId : VL0623ABS01



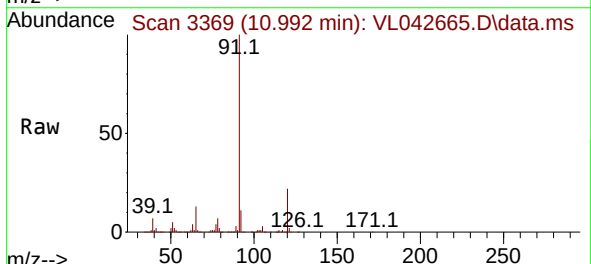
Tgt Ion: 83 Resp: 236989
Ion Ratio Lower Upper
83 100
131 8.8 4.8 14.4
85 64.9 32.5 97.4

Manual Integrations
APPROVED

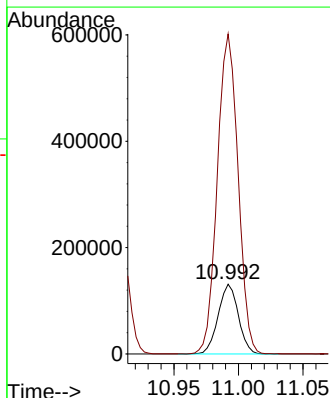
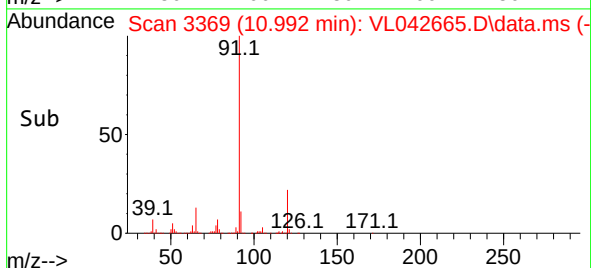
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

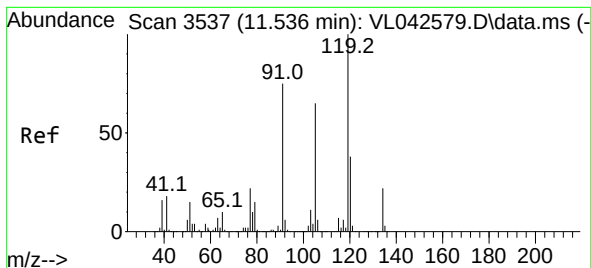


#64
n-propylbenzene
Concen: 11.146 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42



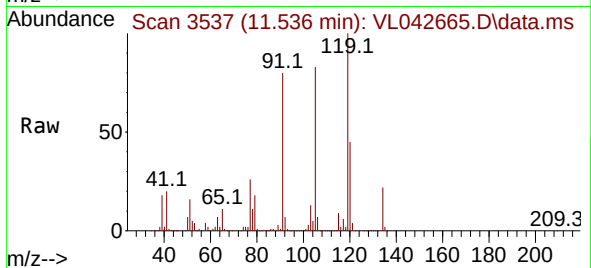
Tgt Ion:120 Resp: 142174
Ion Ratio Lower Upper
120 100
91 472.6 363.0 544.6





#65
tert-Butylbenzene
Concen: 10.936 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

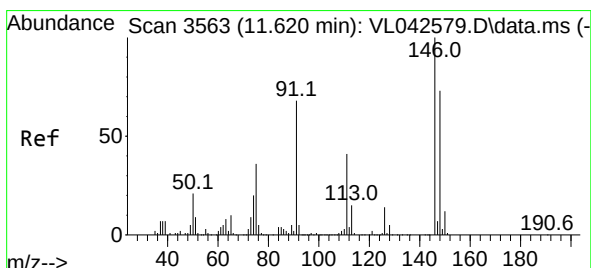
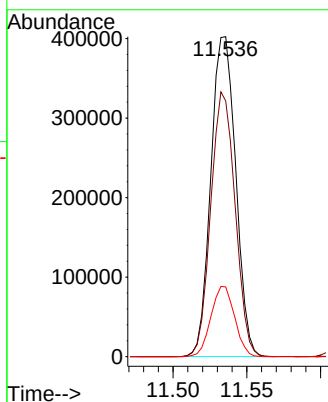
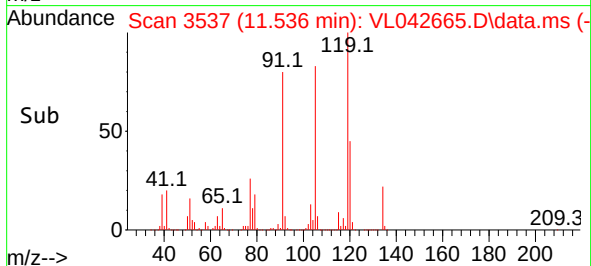
Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01



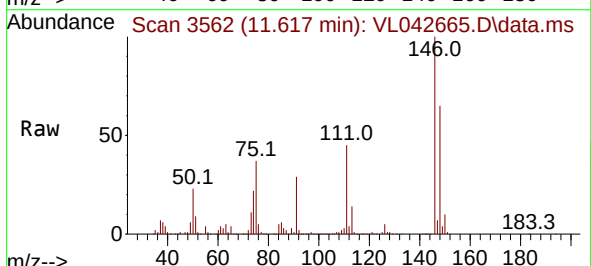
Tgt Ion: 119 Resp: 472264
Ion Ratio Lower Upper
119 100
91 81.0 61.1 91.7
134 20.9 17.4 26.2

Manual Integrations
APPROVED

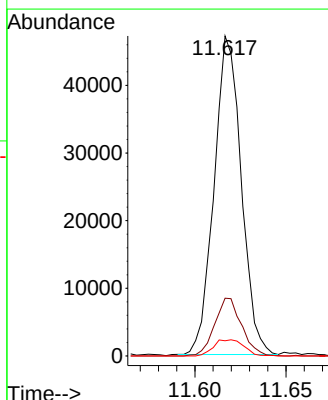
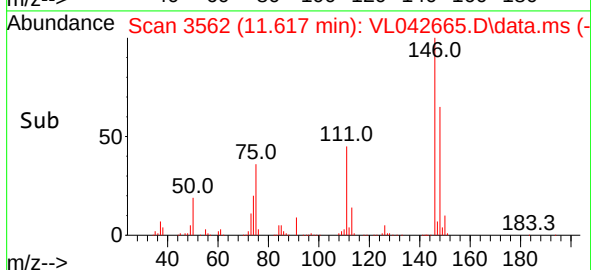
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

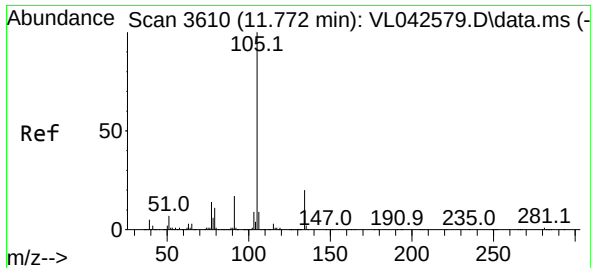


#66
Benzyl Chloride
Concen: 8.780 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.003 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42



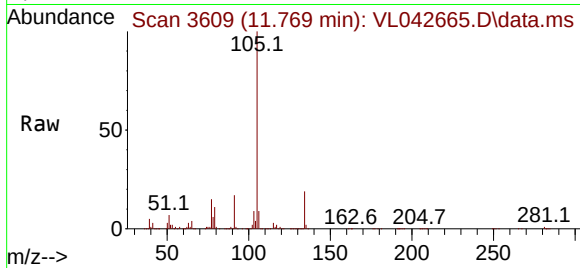
Tgt Ion: 91 Resp: 48805
Ion Ratio Lower Upper
91 100
126 17.9 15.1 22.7
128 5.7 5.0 7.6





#67
 sec-Butylbenzene
 Concen: 11.266 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. -0.003 min
 Lab File: VL042665.D
 Acq: 23 Jun 2025 10:42

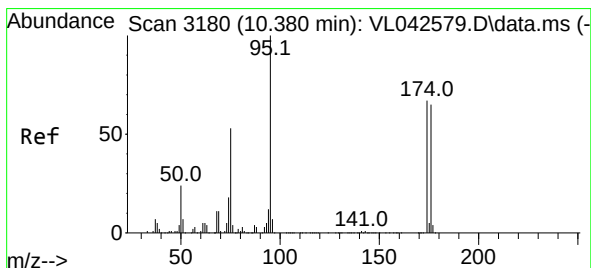
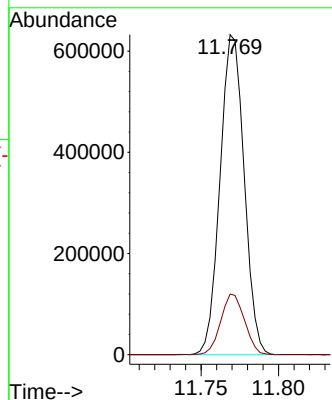
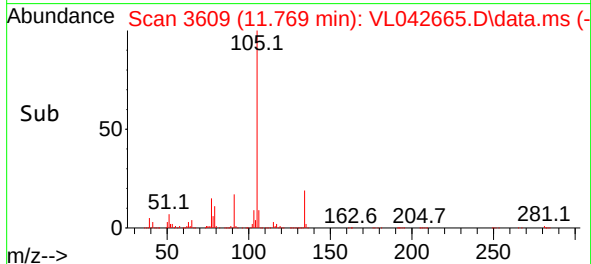
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0623ABS01



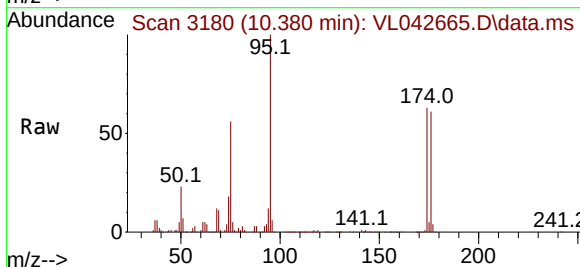
Tgt Ion:105 Resp: 68401
 Ion Ratio Lower Upper
 105 100
 134 18.7 15.8 23.6

Manual Integrations
 APPROVED

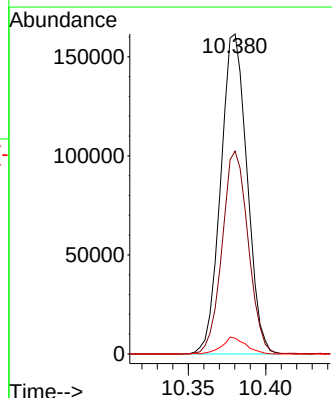
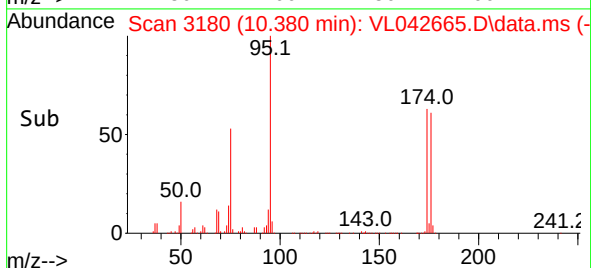
Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

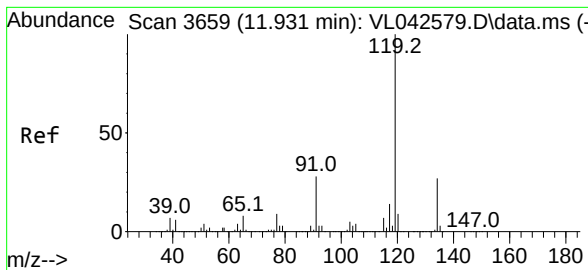


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.527 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.000 min
 Lab File: VL042665.D
 Acq: 23 Jun 2025 10:42



Tgt Ion: 95 Resp: 190928
 Ion Ratio Lower Upper
 95 100
 174 62.9 53.1 79.7
 175 4.8 4.2 6.2





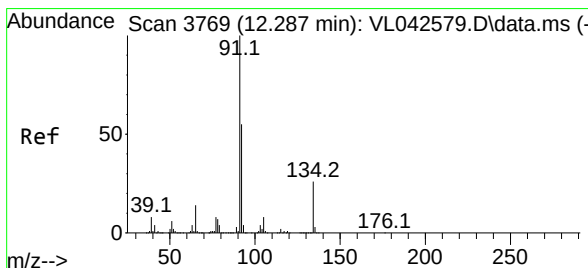
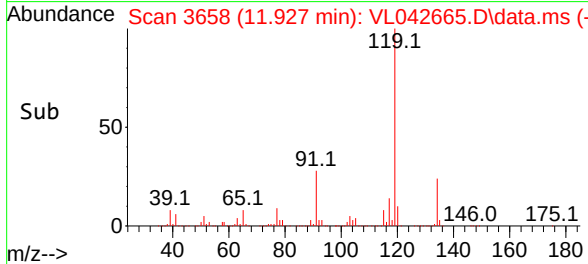
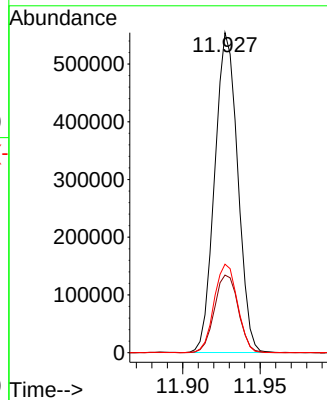
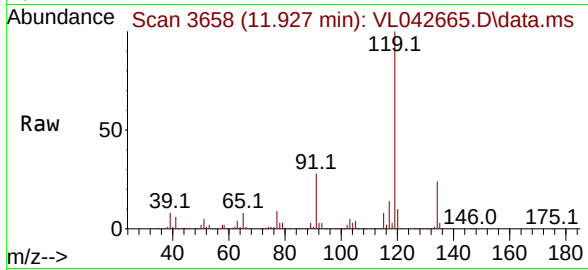
#69
p-Isopropyltoluene
Concen: 11.253 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. -0.003 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01

Tgt Ion:119 Resp: 572124
Ion Ratio Lower Upper
119 100
134 25.3 21.1 31.7
91 28.1 21.9 32.9

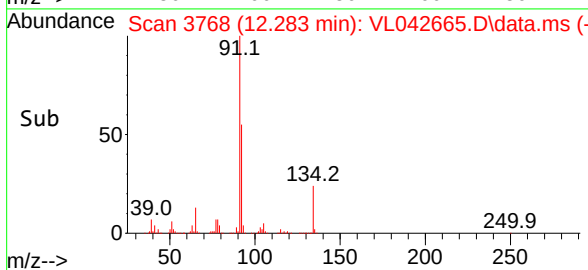
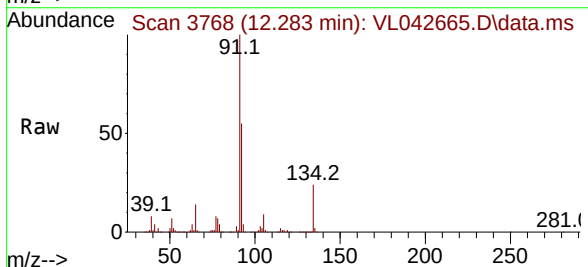
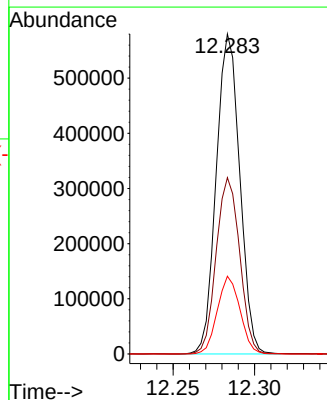
Manual Integrations
APPROVED

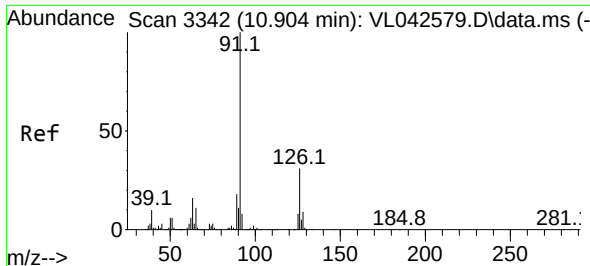
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#70
n-Butylbenzene
Concen: 11.586 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.003 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

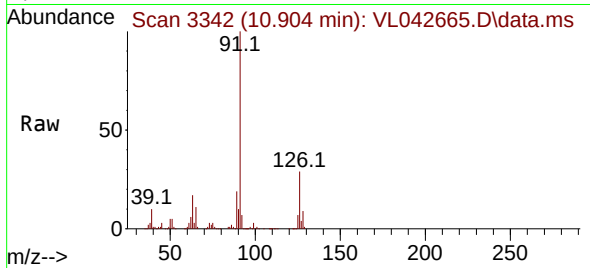
Tgt Ion: 91 Resp: 581467
Ion Ratio Lower Upper
91 100
92 55.1 44.4 66.6
134 23.4 20.1 30.1





#71
2-Chlorotoluene
Concen: 11.289 ppbv
RT: 10.904 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42

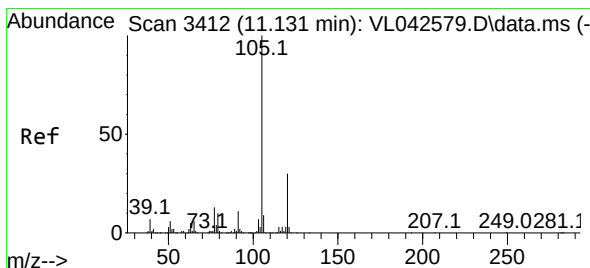
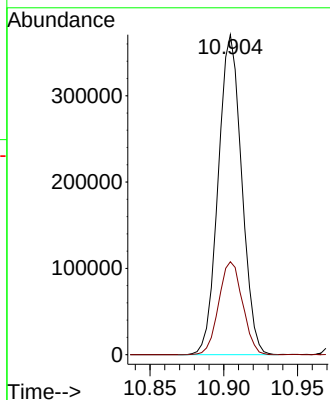
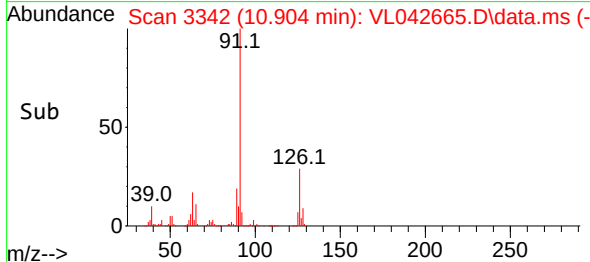
Instrument :
MSVOA_L
ClientSampleId :
VL0623ABS01



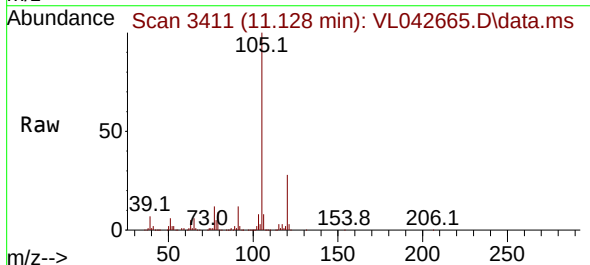
Tgt Ion: 91 Resp: 40978
Ion Ratio Lower Upper
91 100
126 29.5 12.6 50.4

Manual Integrations
APPROVED

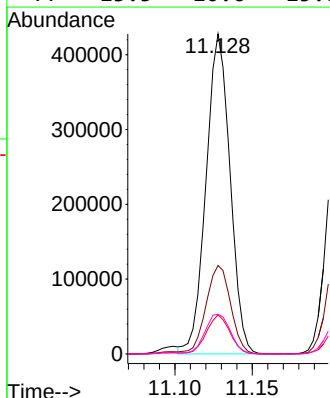
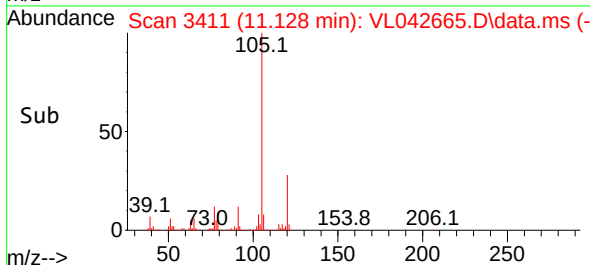
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

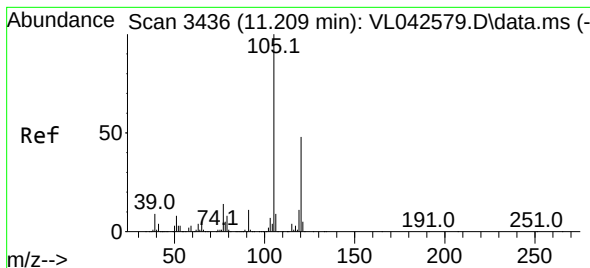


#72
4-Ethyltoluene
Concen: 11.470 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.003 min
Lab File: VL042665.D
Acq: 23 Jun 2025 10:42



Tgt Ion:105 Resp: 460615
Ion Ratio Lower Upper
105 100
120 28.9 24.6 36.8
91 12.4 9.6 14.4
77 13.5 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 11.468 ppbv

RT: 11.206 min Scan# 3436

Delta R.T. -0.003 min

Lab File: VL042665.D

Acq: 23 Jun 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VL0623ABS01

Tgt Ion:105 Resp: 381168

Ion Ratio Lower Upper

105 100

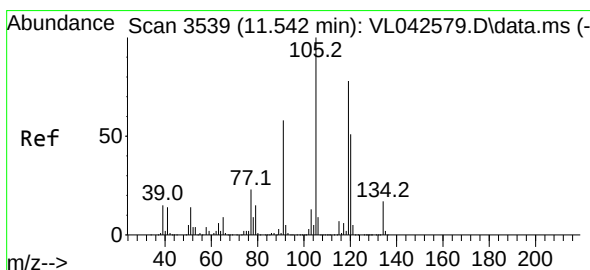
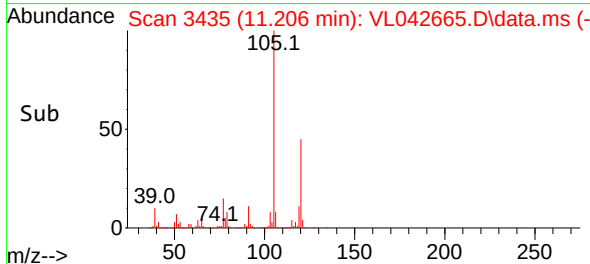
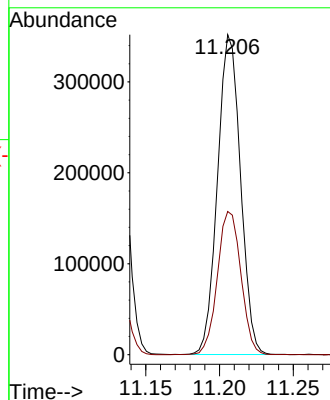
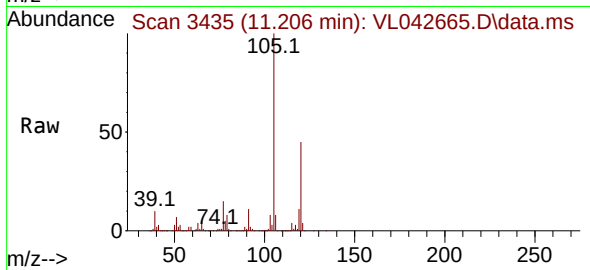
120 44.7 38.8 58.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025

Supervised By :Semsettin Yesilyurt 06/24/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.458 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.003 min

Lab File: VL042665.D

Acq: 23 Jun 2025 10:42

Tgt Ion:105 Resp: 422626

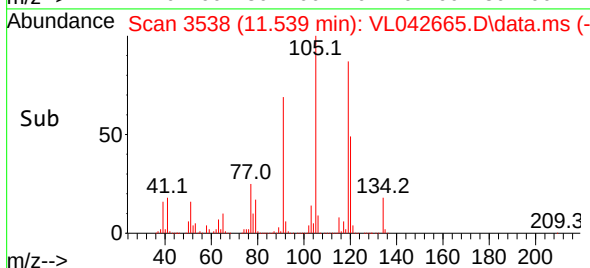
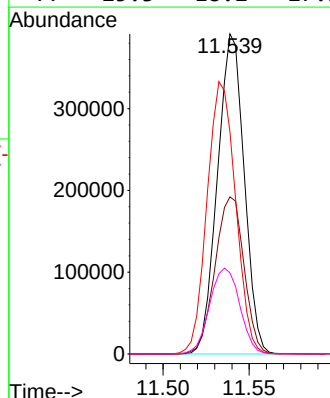
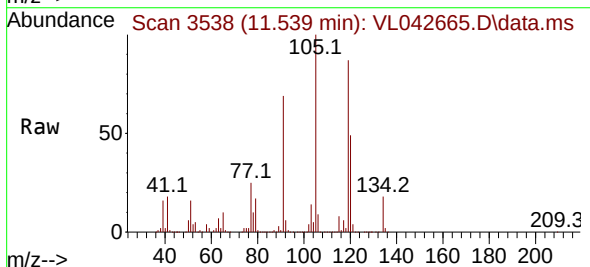
Ion Ratio Lower Upper

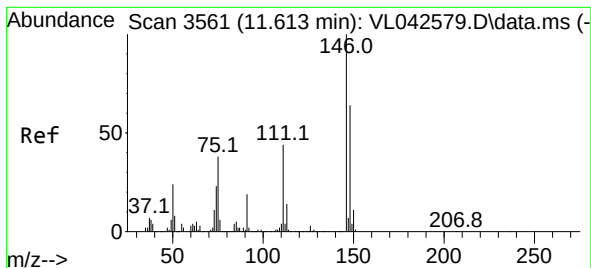
105 100

120 49.1 40.8 61.2

91 69.4 46.8 70.2

77 25.3 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 11.361 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.003 min

Lab File: VL042665.D

Acq: 23 Jun 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

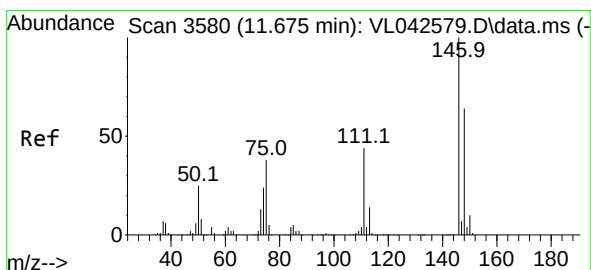
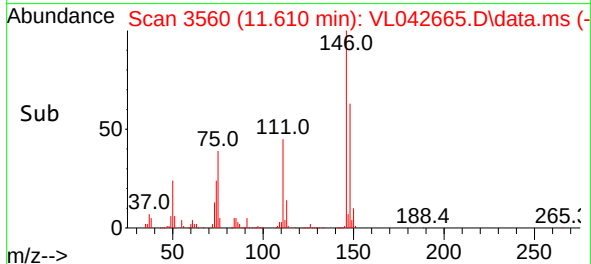
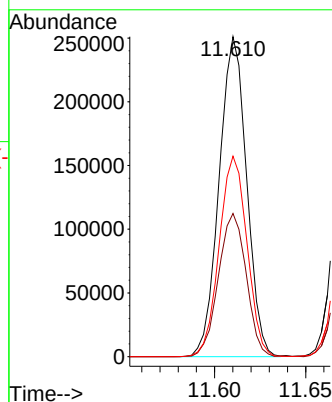
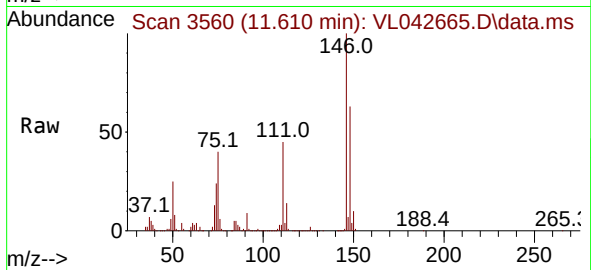
VL0623ABS01

Tgt Ion:	146	Resp:	263150
Ion Ratio	Lower	Upper	
146	100		
111	45.4	22.4	67.3
148	63.5	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#76

1,4-Dichlorobenzene

Concen: 11.283 ppbv

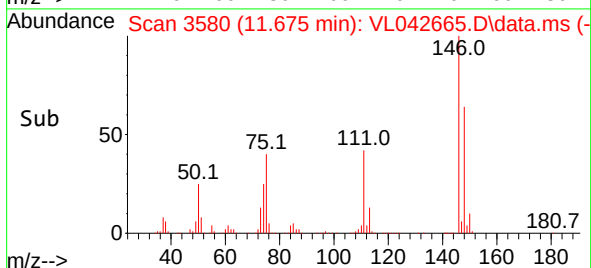
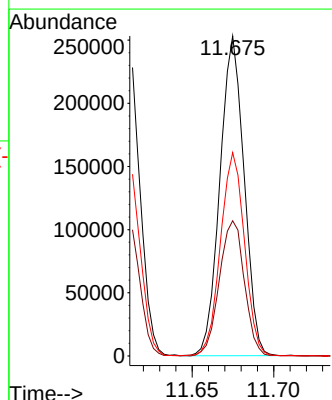
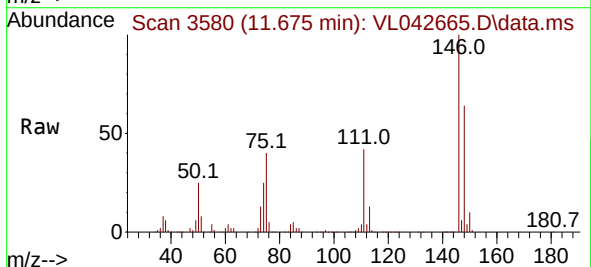
RT: 11.675 min Scan# 3580

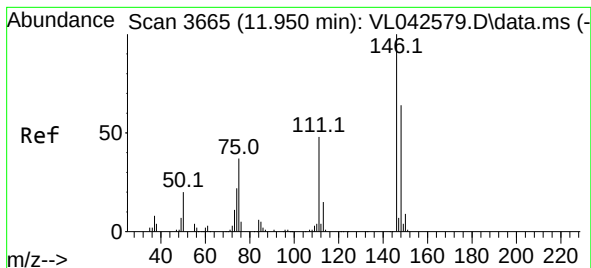
Delta R.T. 0.000 min

Lab File: VL042665.D

Acq: 23 Jun 2025 10:42

Tgt Ion:	146	Resp:	260649
Ion Ratio	Lower	Upper	
146	100		
111	43.9	21.6	64.8
148	63.5	32.1	96.5





#77

1,2-Dichlorobenzene

Concen: 11.297 ppbv

RT: 11.950 min Scan# 3665

Delta R.T. 0.000 min

Lab File: VL042665.D

Acq: 23 Jun 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VL0623ABS01

Tgt Ion:146 Resp: 253970

Ion Ratio Lower Upper

146 100

111 47.2 23.1 69.3

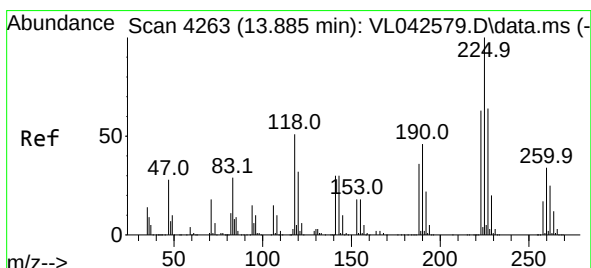
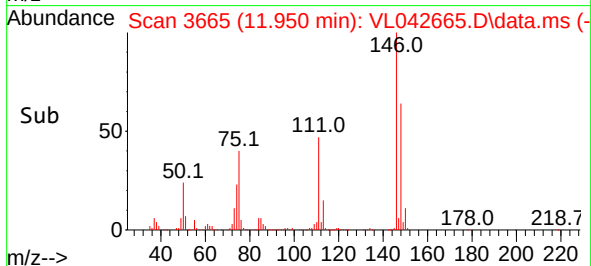
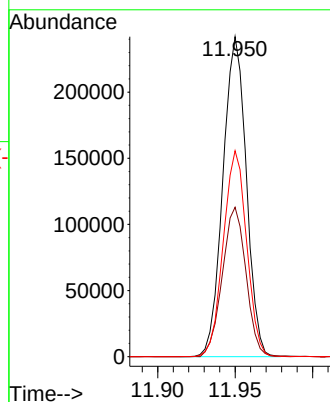
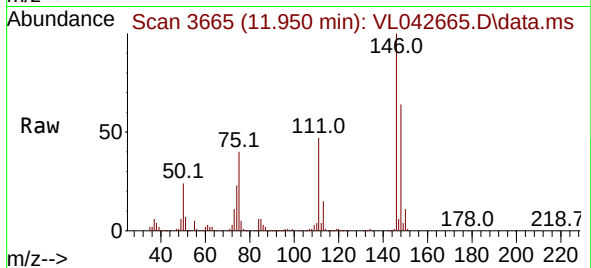
148 64.3 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025

Supervised By :Semsettin Yesilyurt 06/24/2025



#78

Hexachloro-1,3-Butadiene

Concen: 9.775 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. -0.003 min

Lab File: VL042665.D

Acq: 23 Jun 2025 10:42

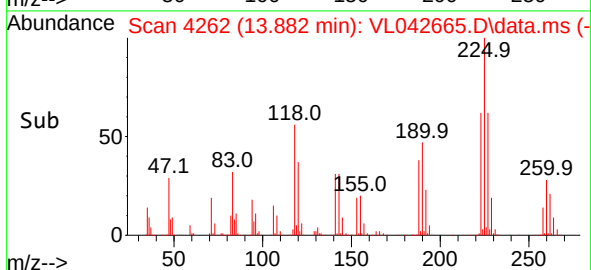
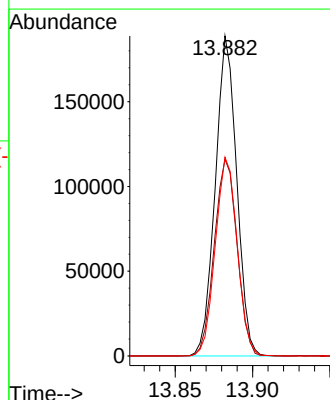
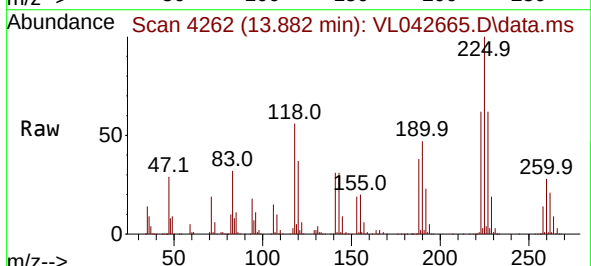
Tgt Ion:225 Resp: 181811

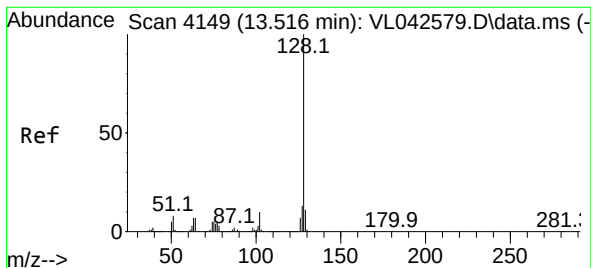
Ion Ratio Lower Upper

225 100

223 65.2 50.2 75.4

227 63.6 51.1 76.7





#79

Naphthalene

Concen: 11.490 ppbv

RT: 13.513 min Scan# 4149

Delta R.T. -0.003 min

Lab File: VL042665.D

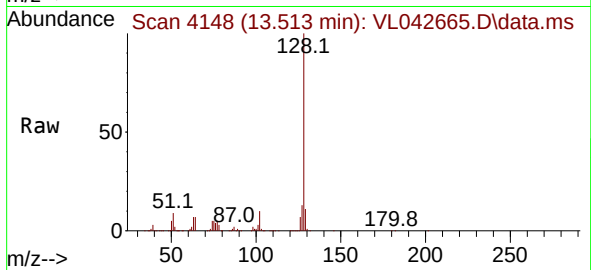
Acq: 23 Jun 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VL0623ABS01



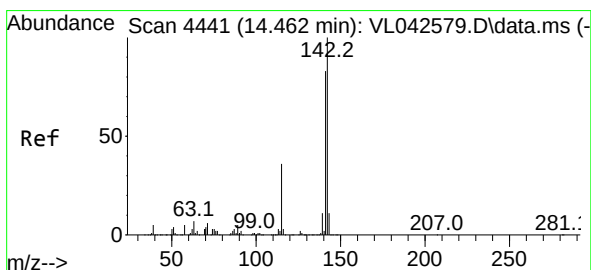
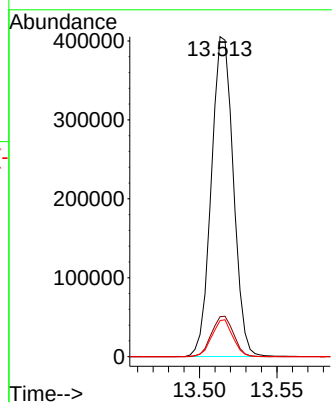
Tgt Ion:128 Resp: 399500

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	11.3	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#80

Naphthalene,2-methyl-

Concen: 11.740 ppbv

RT: 14.458 min Scan# 4440

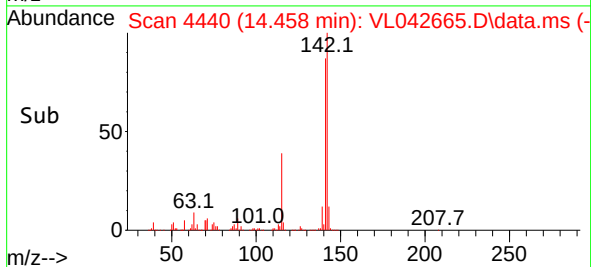
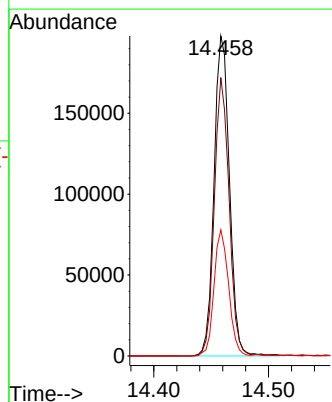
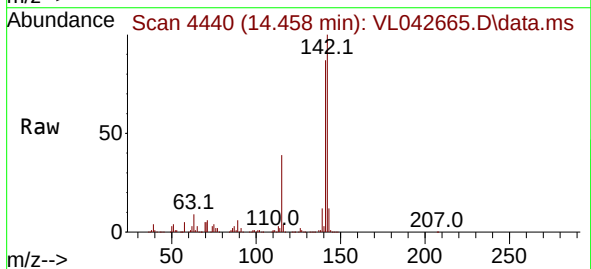
Delta R.T. -0.003 min

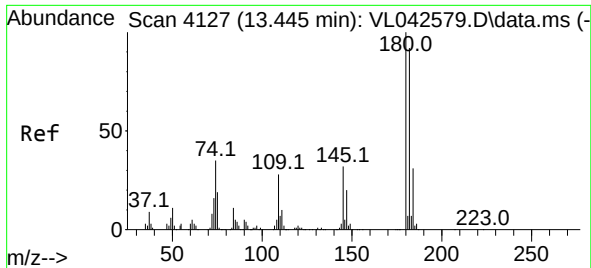
Lab File: VL042665.D

Acq: 23 Jun 2025 10:42

Tgt Ion:142 Resp: 184419

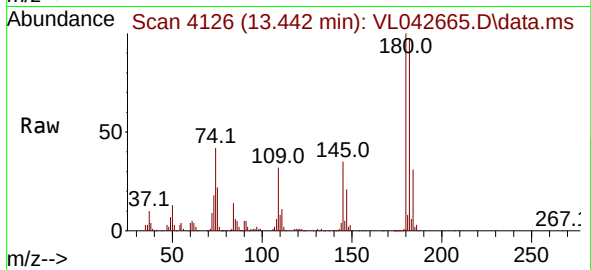
Ion	Ratio	Lower	Upper
142	100		
141	84.3	66.2	99.4
115	38.0	28.3	42.5





#81
 1,2,4-Trichlorobenzene
 Concen: 10.555 ppbv
 RT: 13.442 min Scan# 4126
 Delta R.T. -0.003 min
 Lab File: VL042665.D
 Acq: 23 Jun 2025 10:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0623ABS01



Tgt Ion:180 Resp: 20486
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.0 112.4
 184 30.2 24.6 36.8

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

