

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042851.D
 Acq On : 13 Aug 2025 14:32
 Operator : SY/MD
 Sample : VL0813ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Quant Time: Aug 14 02:17:24 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 14 2025

QLast Update : Thu Aug 14 02:12:54 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/14/2025
 Supervised By : Mahesh Dadoda 08/18/2025

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

Internal Standards						
1) Bromochloromethane	2.793	49	116881	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	368200	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	322291	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.387 95 244955 10.134 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	159958	9.338	ppbv	100
3) Chlorodifluoromethane	1.479	51	177225	9.360	ppbv	100
4) Chloromethane	1.534	50	62240	9.004	ppbv	99
5) Vinyl Chloride	1.583	62	59335	8.716	ppbv	99
6) Bromomethane	1.670	94	23152	8.505	ppbv	97
7) Chloroethane	1.706	64	23657	8.898	ppbv	91
8) Dichlorotetrafluoroethane	1.557	85	132763	9.471	ppbv	95
9) Propene	1.486	41	71030	8.686	ppbv	97
10) Heptane	4.991	43	199706	9.118	ppbv	98
11) Trichlorofluoromethane	1.881	101	153519	9.084	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	123905	9.198	ppbv	97
13) Ethanol	1.725	45	5608	7.501	ppbv	100
14) Bromoethene	1.784	108	45076	9.244	ppbv	98
15) Acetone	1.839	43	115155	7.448	ppbv	100
16) 1,3-Butadiene	1.612	39	58958	8.412	ppbv	99
17) tert-Butyl alcohol	2.043	59	158939	8.668	ppbv	99
18) 1,1-Dichloroethene	2.036	96	55494	9.371	ppbv	97
19) Isopropyl Alcohol	1.890	45	78860	8.540	ppbv	100
20) Methylene Chloride	2.065	84	48184	7.439	ppbv	90
21) Allyl Chloride	2.101	41	96710	8.854	ppbv	95
22) trans-1,2-Dichloroethene	2.347	96	62464	9.117	ppbv	94
23) Vinyl Acetate	2.467	43	206801	9.728	ppbv	99
24) 1,1-Dichloroethane	2.415	63	123052	8.993	ppbv	98
25) Ethyl Acetate	2.842	43	344281	9.200	ppbv	99
26) Hexane	2.832	57	159005	9.206	ppbv	97
27) Carbon Disulfide	2.156	76	153403	9.126	ppbv #	91
28) Methyl tert-Butyl Ether	2.444	73	84816	9.630	ppbv	93
29) Chloroform	2.855	83	234067	9.492	ppbv	99
30) Cyclohexane	3.865	84	140375	9.270	ppbv	99
31) cis-1,2-Dichloroethene	2.725	61	158712	9.199	ppbv	98
32) 1,1,1-Trichloroethane	3.376	97	245800	9.431	ppbv	100
34) 2-Butanone	2.560	43	224149	9.016	ppbv	100
35) Carbon Tetrachloride	3.771	117	235598	9.281	ppbv	96
36) Benzene	3.664	78	330026	9.360	ppbv	99
37) 1,2-Dichloroethane	3.227	62	181878	9.874	ppbv	98
38) Trichloroethene	4.557	130	144018	8.944	ppbv	95
39) 1,2-Dichloropropane	4.324	63	119442	9.275	ppbv	97
40) 1,4-Dioxane	4.593	88	54081m	8.832	ppbv	
41) Tetrahydrofuran	3.059	42	127578	9.204	ppbv	98
42) Bromodichloromethane	4.502	83	261380	9.522	ppbv	98
43) Methyl Methacrylate	4.894	69	131335	9.042	ppbv	98
44) 2,2,4-Trimethylpentane	4.648	57	540935	9.039	ppbv	100
45) t-1,3-Dichloropropene	6.431	75	152588	9.309	ppbv	99

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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

Quant Time: Aug 14 02:17:24 2025

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

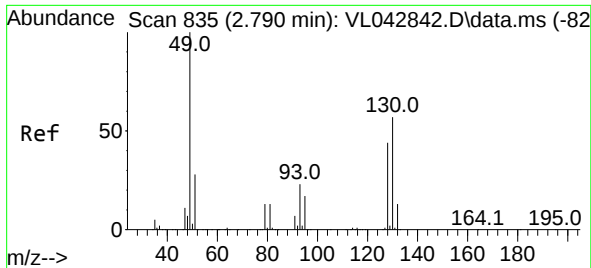
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 14 2025

QLast Update : Thu Aug 14 02:12:54 2025

Response via : Initial Calibration

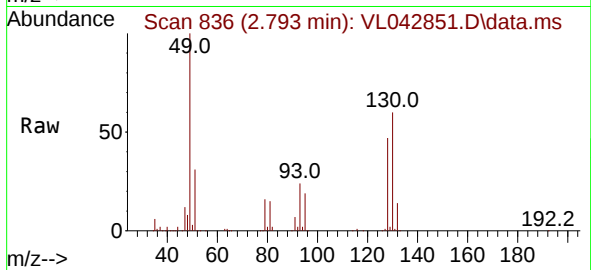
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	189646	9.285	ppbv	98
47) 1,1,2-Trichloroethane	6.597	97	127667	9.357	ppbv	97
48) Dibromochloromethane	7.402	129	207804	9.412	ppbv	100
49) Bromoform	9.493	173	168015	9.228	ppbv	100
50) 4-Methyl-2-Pentanone	5.768	43	312046	9.286	ppbv	100
51) 2-Hexanone	7.448	43	248690	9.404	ppbv	98
52) Tetrachloroethene	8.238	164	107577	8.434	ppbv	94
53) Toluene	6.949	91	386291	9.216	ppbv	100
54) 1,2-Dibromoethane	7.665	107	184932	9.275	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.937	131	156352	9.381	ppbv	98
57) Chlorobenzene	8.933	112	285789	9.326	ppbv	98
58) Ethyl Benzene	9.367	91	534013	9.389	ppbv	99
59) m/p-Xylene	9.565	91	837335m	18.783	ppbv	
60) o-Xylene	9.976	91	417423	9.308	ppbv	100
61) Styrene	9.882	104	197790	9.414	ppbv	99
62) Isopropylbenzene	10.548	105	607606	9.271	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.972	83	221716	8.990	ppbv	100
64) n-propylbenzene	10.998	120	153914	9.205	ppbv	98
65) tert-Butylbenzene	11.539	119	518992	8.983	ppbv	98
66) Benzyl Chloride	11.623	91	62299	8.494	ppbv	99
67) sec-Butylbenzene	11.775	105	741280	9.141	ppbv	99
69) p-Isopropyltoluene	11.934	119	612316	8.795	ppbv	98
70) n-Butylbenzene	12.290	91	629840	9.122	ppbv	98
71) 2-Chlorotoluene	10.911	91	467569	9.188	ppbv	98
72) 4-Ethyltoluene	11.134	105	505391	9.297	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	425759	9.210	ppbv	97
74) 1,2,4-Trimethylbenzene	11.545	105	456933	9.005	ppbv	97
75) 1,3-Dichlorobenzene	11.617	146	259541	8.997	ppbv	98
76) 1,4-Dichlorobenzene	11.681	146	261302	8.957	ppbv	99
77) 1,2-Dichlorobenzene	11.956	146	250432	8.866	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	173363	7.488	ppbv	98
79) Naphthalene	13.520	128	410796	8.930	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	145644	8.473	ppbv	98
81) 1,2,4-Trichlorobenzene	13.445	180	204023	8.824	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

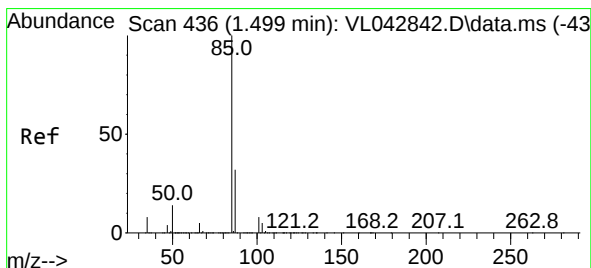
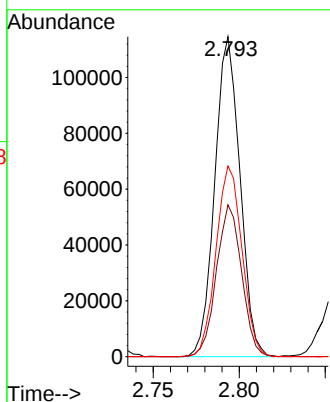
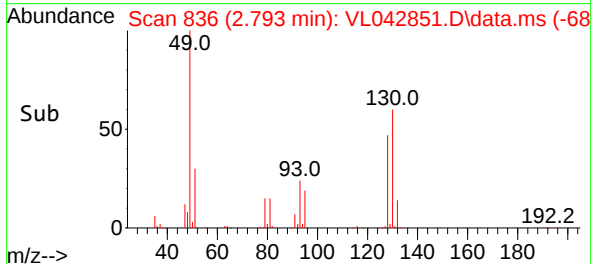
Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01



Tgt Ion: 49 Resp: 11688
Ion Ratio Lower Upper
49 100
128 47.4 23.7 71.1
130 61.4 30.6 91.6

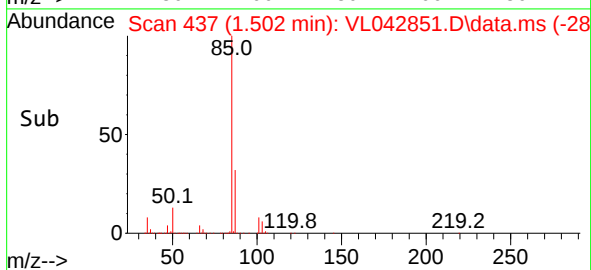
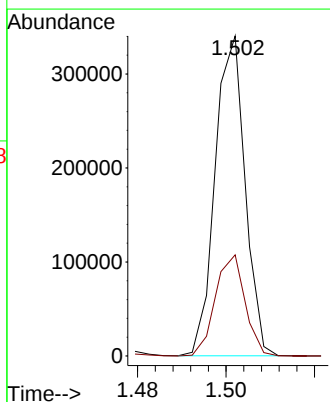
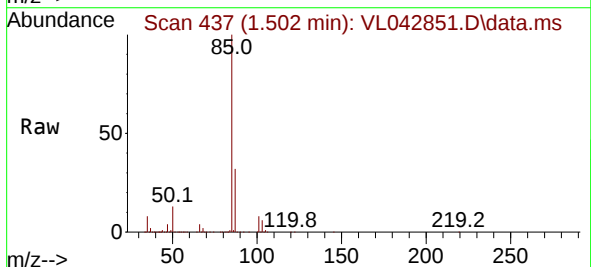
Manual Integrations
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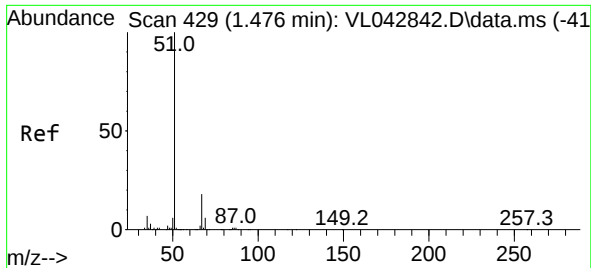
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#2
Dichlorodifluoromethane
Concen: 9.338 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 85 Resp: 159958
Ion Ratio Lower Upper
85 100
87 31.6 25.3 37.9





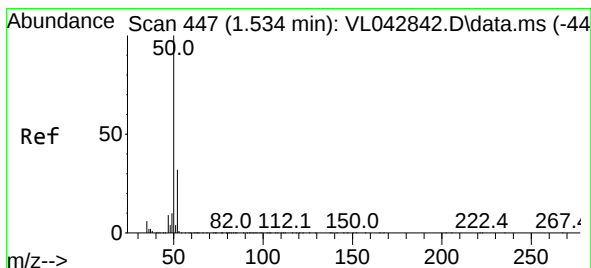
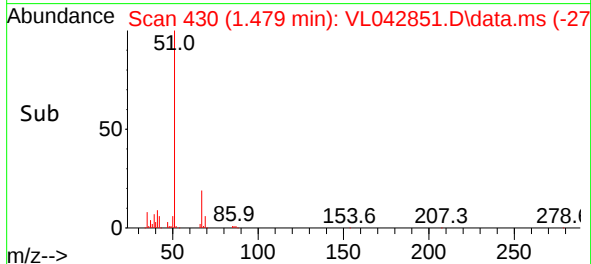
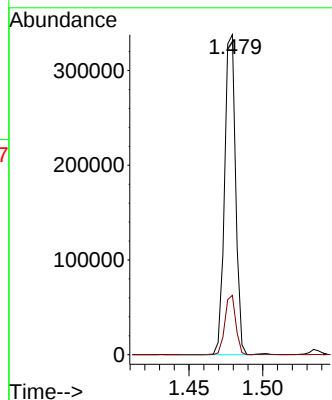
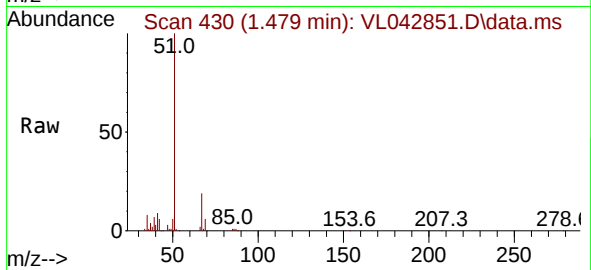
#3
Chlorodifluoromethane
Concen: 9.360 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 51 Resp: 177225
Ion Ratio Lower Upper
51 100
67 18.5 14.9 22.3

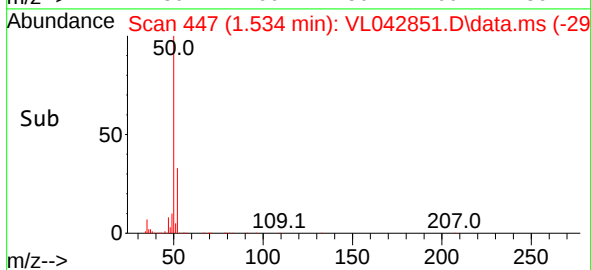
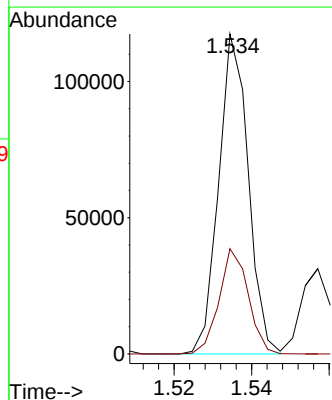
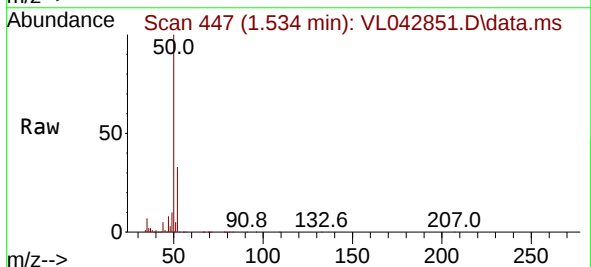
Manual Integrations
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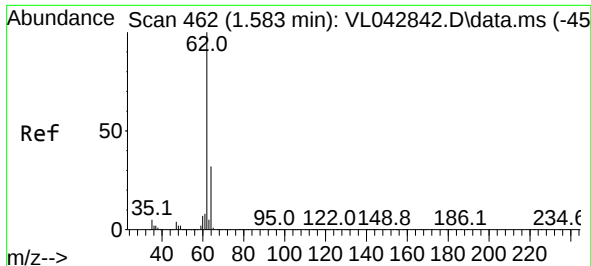
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#4
Chloromethane
Concen: 9.004 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

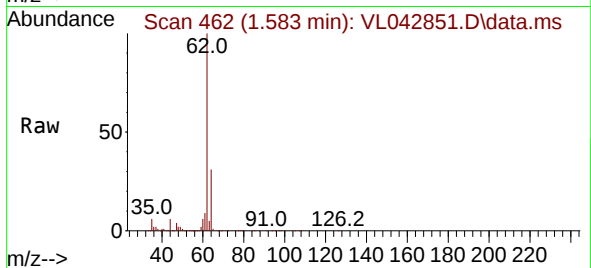
Tgt Ion: 50 Resp: 62240
Ion Ratio Lower Upper
50 100
52 32.8 25.9 38.9





#5
 Vinyl Chloride
 Concen: 8.716 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

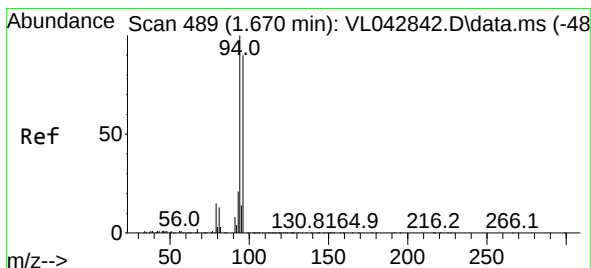
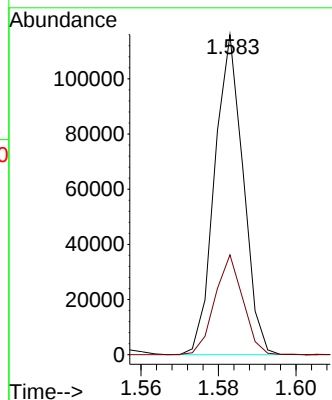
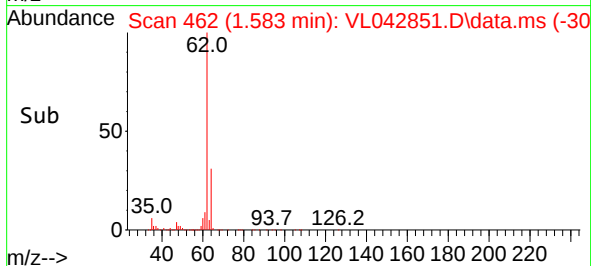
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01



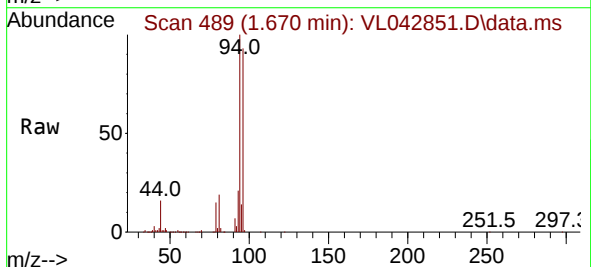
Tgt Ion: 62 Resp: 5933
 Ion Ratio Lower Upper
 62 100
 64 31.1 25.4 38.2

Manual Integrations
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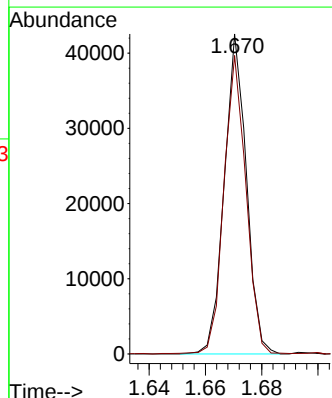
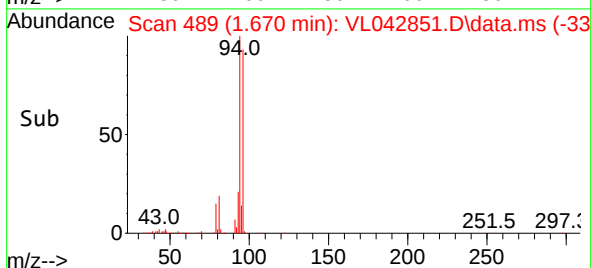
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

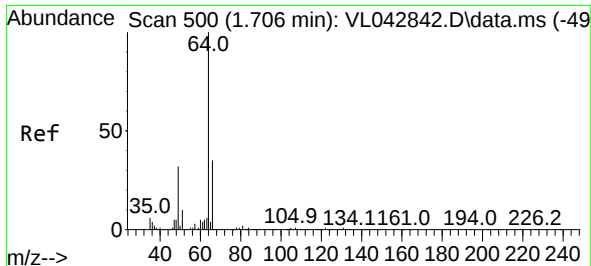


#6
 Bromomethane
 Concen: 8.505 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32



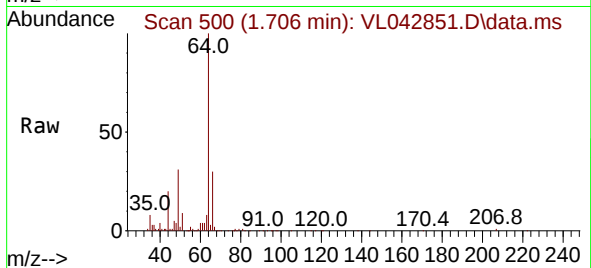
Tgt Ion: 94 Resp: 23152
 Ion Ratio Lower Upper
 94 100
 96 93.1 72.1 108.1





#7
Chloroethane
Concen: 8.898 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

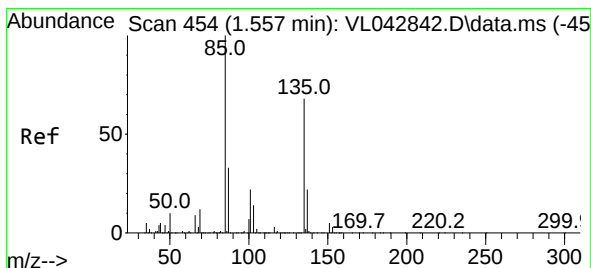
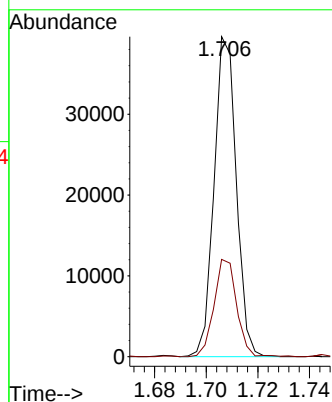
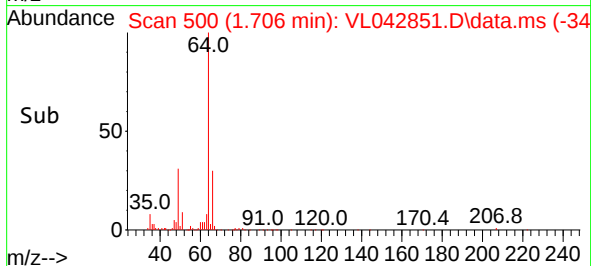
Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01



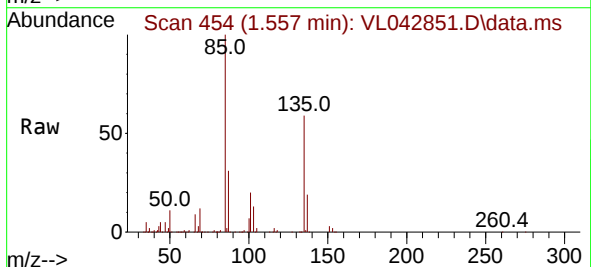
Tgt Ion: 64 Resp: 2365
Ion Ratio Lower Upper
64 100
66 30.4 28.6 42.8

Manual Integrations
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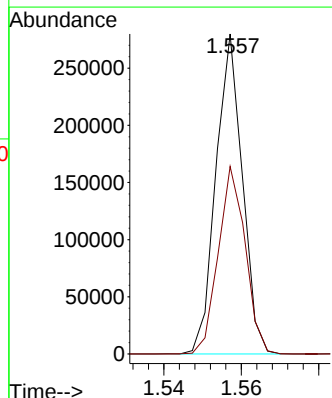
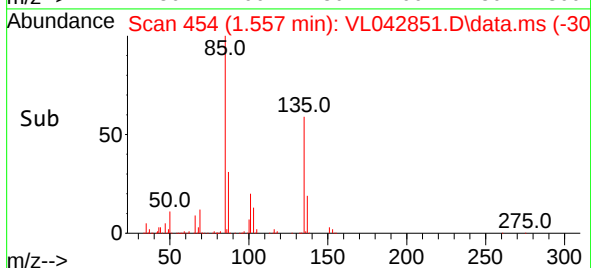
Reviewed By :Semsettin Yesilyurt 08/14/2025
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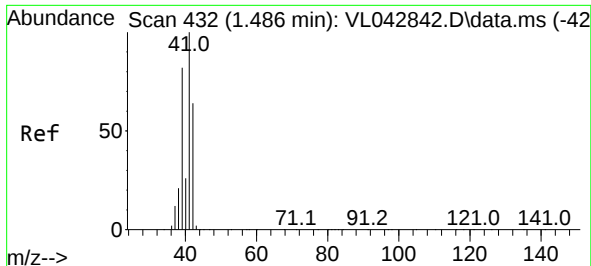


#8
Dichlorotetrafluoroethane
Concen: 9.471 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32



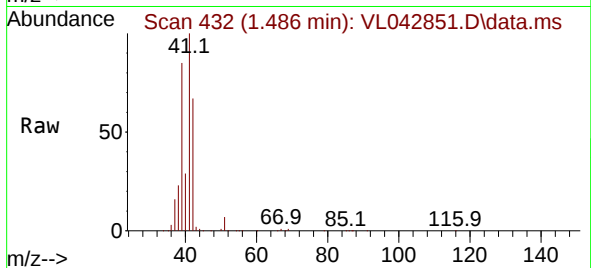
Tgt Ion: 85 Resp: 132763
Ion Ratio Lower Upper
85 100
135 59.9 51.2 76.8





#9
 Propene
 Concen: 8.686 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

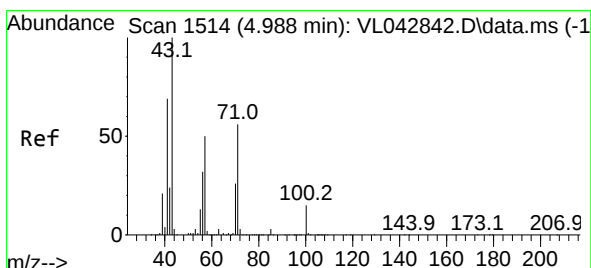
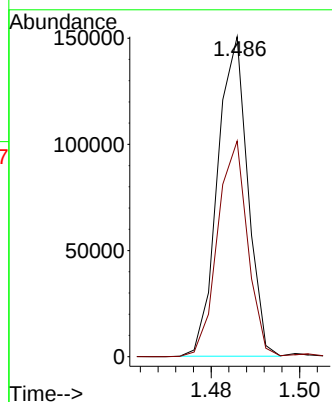
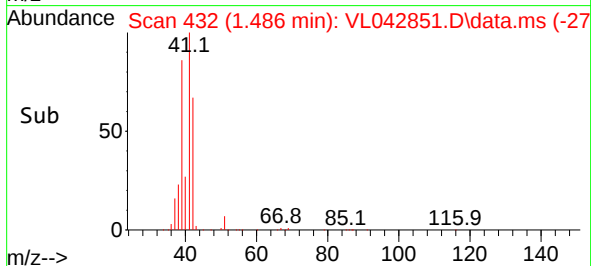
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01



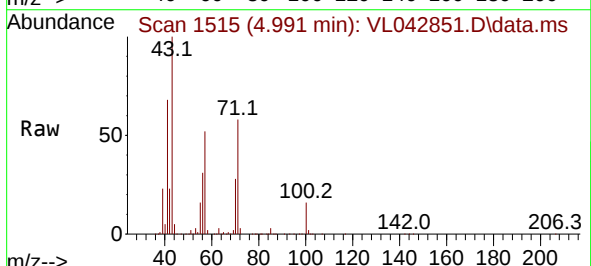
Tgt Ion: 41 Resp: 71030
 Ion Ratio Lower Upper
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 42 68.8 53.0 79.4

Manual Integrations
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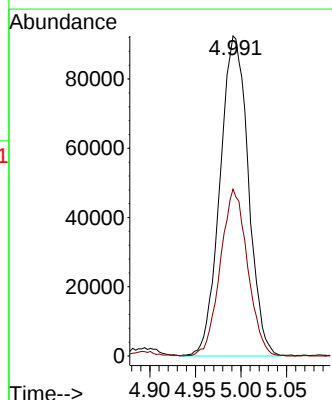
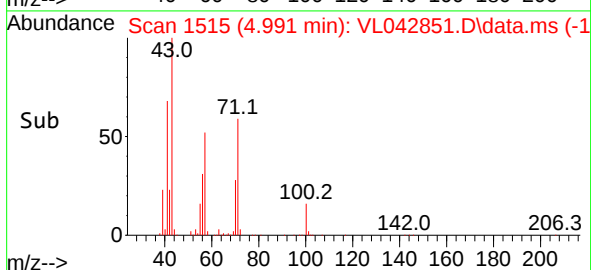
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

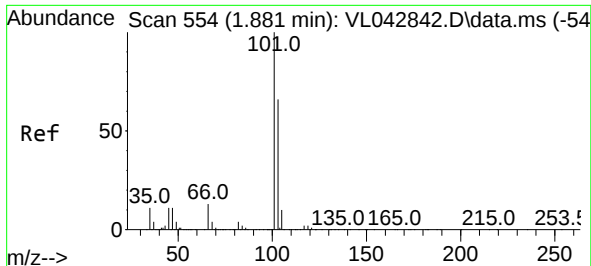


#10
 Heptane
 Concen: 9.118 ppbv
 RT: 4.991 min Scan# 1515
 Delta R.T. 0.003 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32



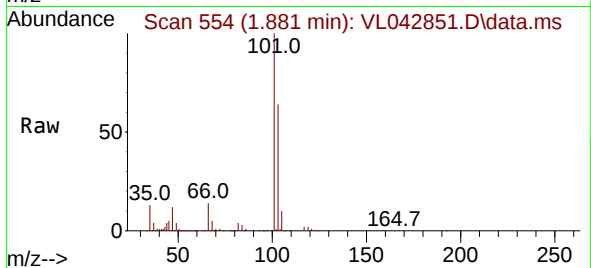
Tgt Ion: 43 Resp: 199706
 Ion Ratio Lower Upper
 43 100
 57 50.2 41.4 62.0





#11
 Trichlorofluoromethane
 Concen: 9.084 ppbv
 RT: 1.881 min Scan# 554
 Delta R.T. -0.000 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

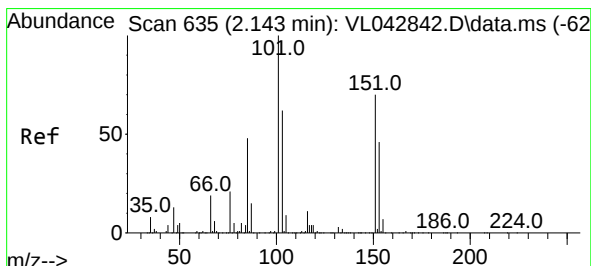
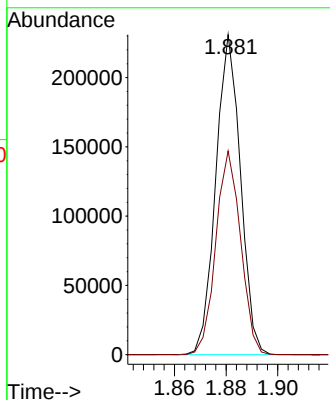
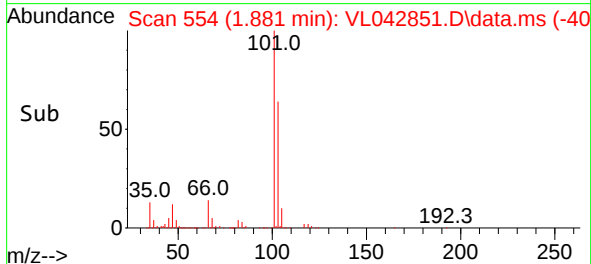
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01



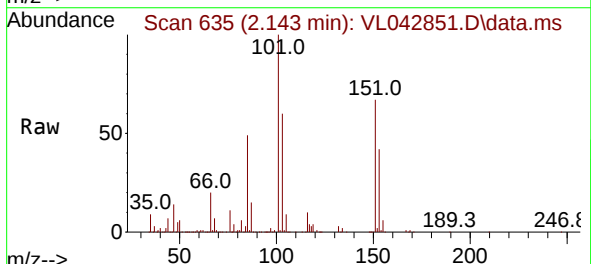
Tgt Ion:101 Resp: 153519
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.5 78.7

Manual Integrations
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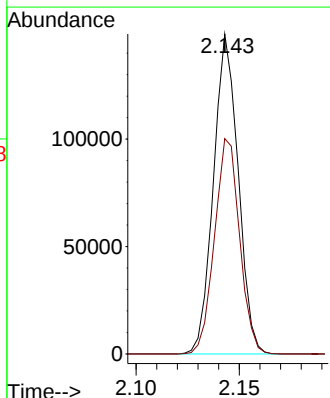
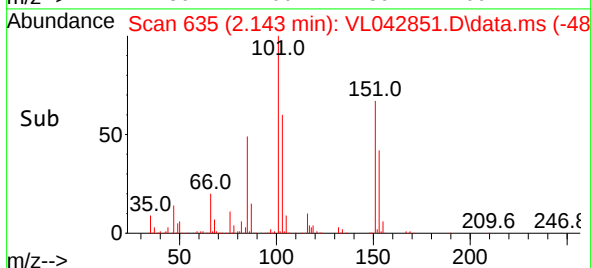
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

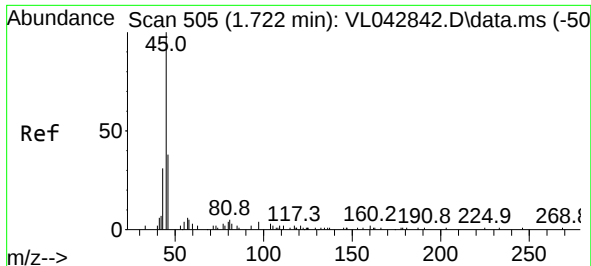


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.198 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32



Tgt Ion:101 Resp: 123905
 Ion Ratio Lower Upper
 101 100
 151 68.3 56.4 84.6





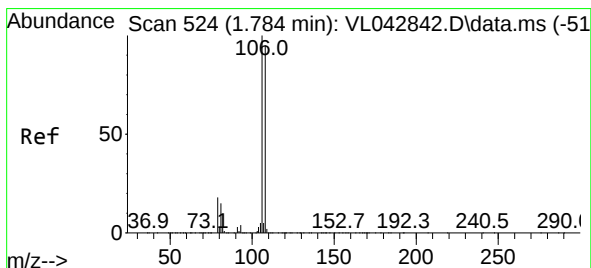
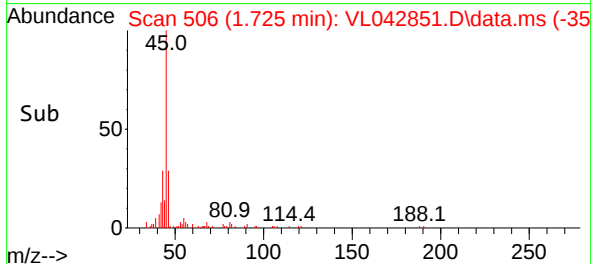
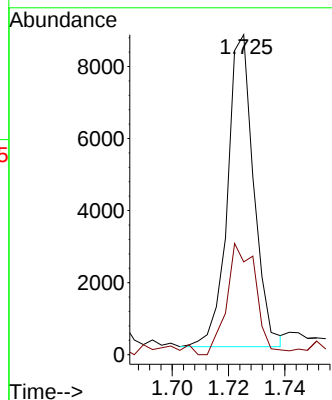
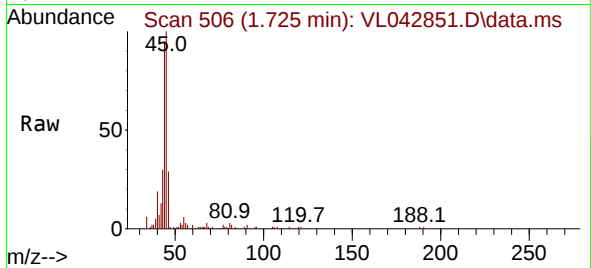
#13
Ethanol
Concen: 7.501 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 45 Resp: 5608
Ion Ratio Lower Upper
45 100
46 43.8 17.5 69.9

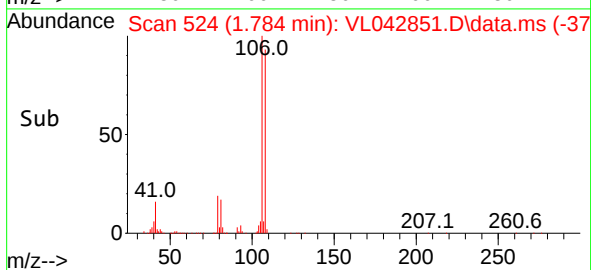
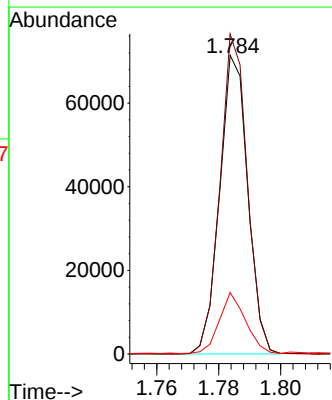
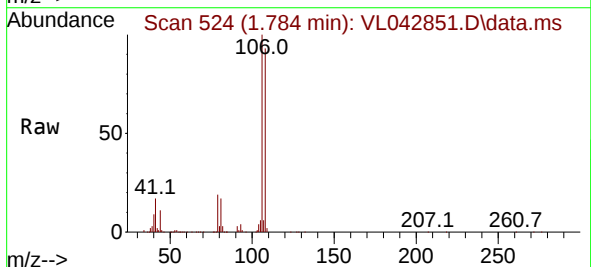
Manual Integrations
APPROVED

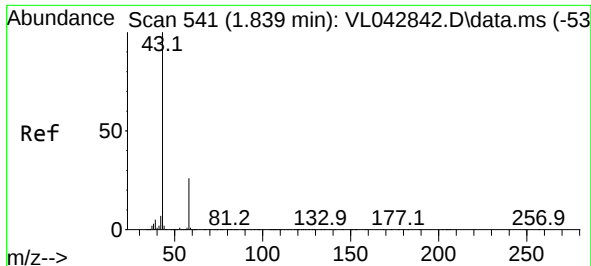
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#14
Bromoethene
Concen: 9.244 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

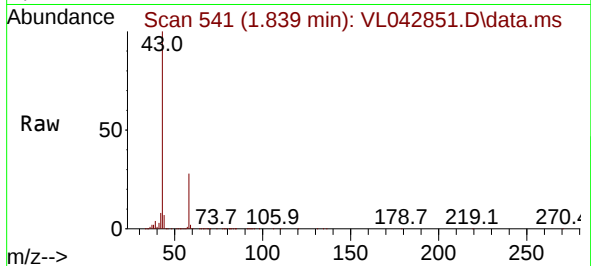
Tgt Ion:108 Resp: 45076
Ion Ratio Lower Upper
108 100
106 104.0 85.1 127.7
79 19.6 16.3 24.5





#15
Acetone
Concen: 7.448 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

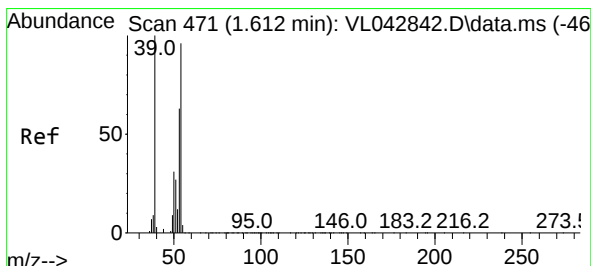
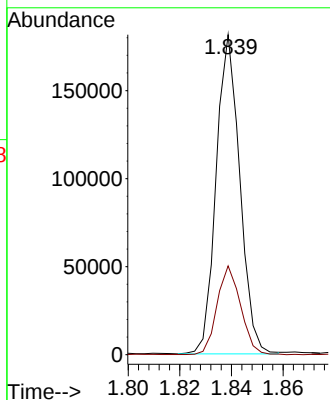
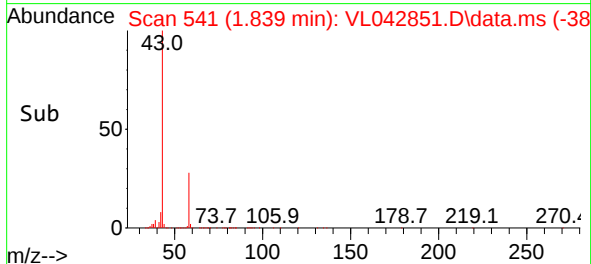
Instrument : MSVOA_L
ClientSampleId : VL0813ABS01



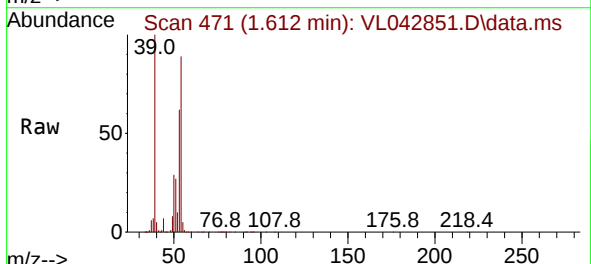
Tgt Ion: 43 Resp: 115158
Ion Ratio Lower Upper
43 100
58 28.1 22.4 33.6

Manual Integrations
APPROVED

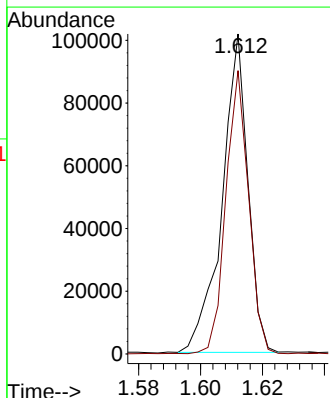
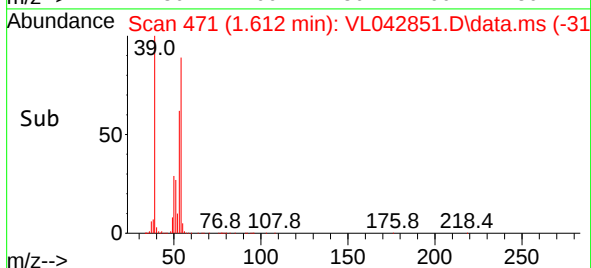
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

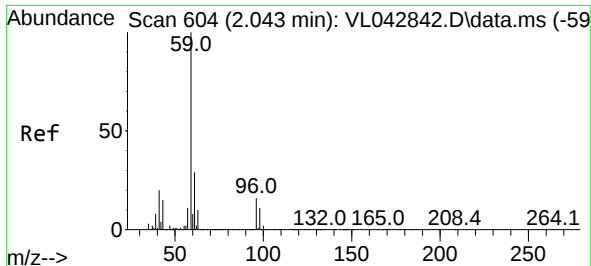


#16
1,3-Butadiene
Concen: 8.412 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32



Tgt Ion: 39 Resp: 58958
Ion Ratio Lower Upper
39 100
54 79.0 63.6 95.4





#17

tert-Butyl alcohol

Concen: 8.668 ppbv

RT: 2.043 min Scan# 604

Delta R.T. -0.000 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tgt Ion: 59 Resp: 158939

Ion Ratio Lower Upper

59 100

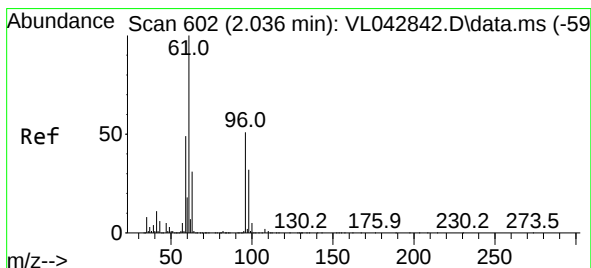
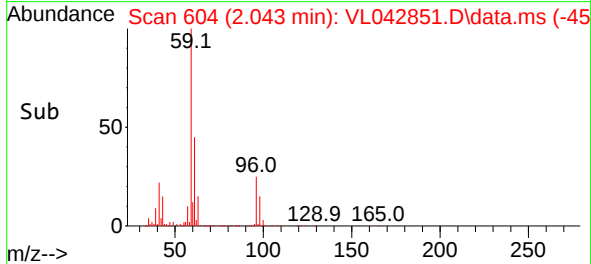
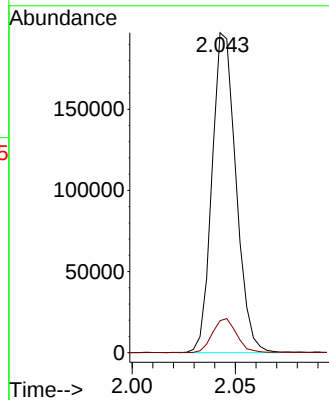
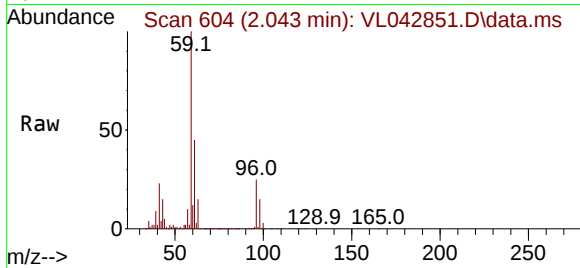
57 10.9 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#18

1,1-Dichloroethene

Concen: 9.371 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

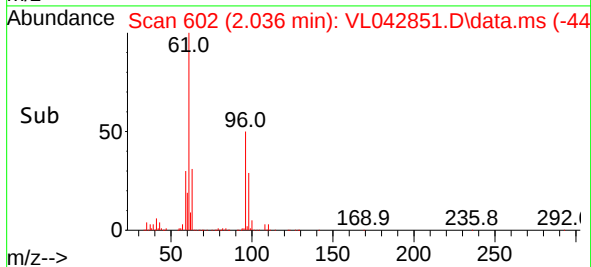
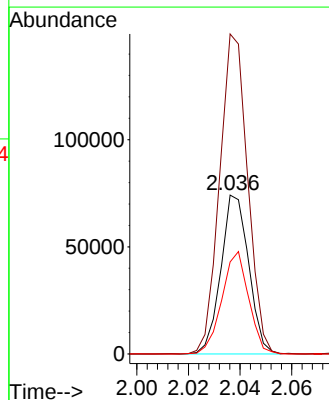
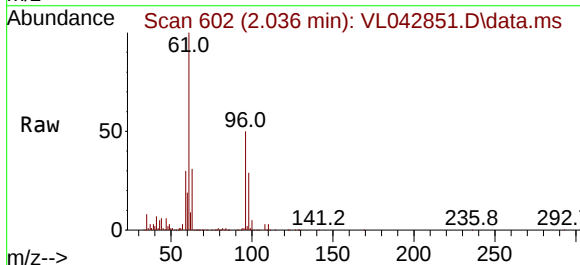
Tgt Ion: 96 Resp: 55494

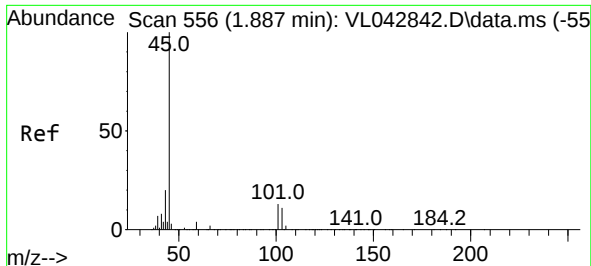
Ion Ratio Lower Upper

96 100

61 201.4 158.2 237.4

98 58.0 50.6 76.0





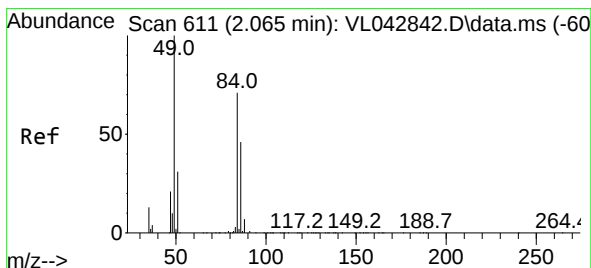
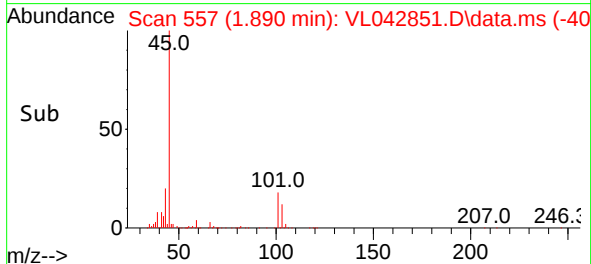
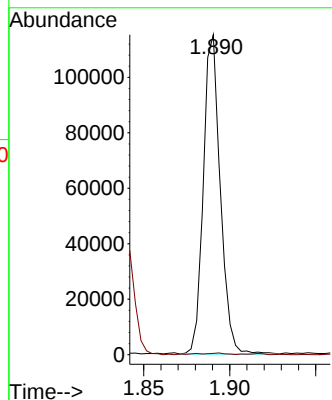
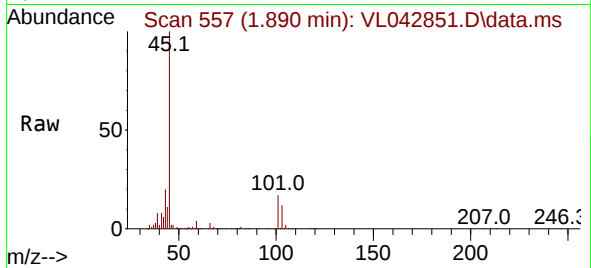
#19
Isopropyl Alcohol
Concen: 8.540 ppbv
RT: 1.890 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 45 Resp: 78860
Ion Ratio Lower Upper
45 100
58 41.0 32.7 49.1

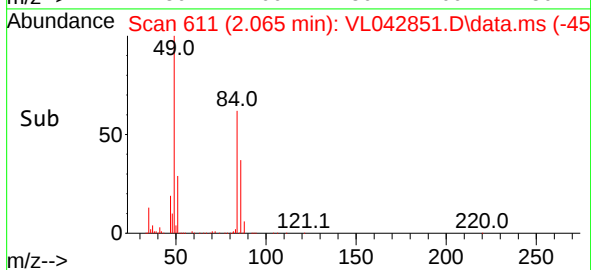
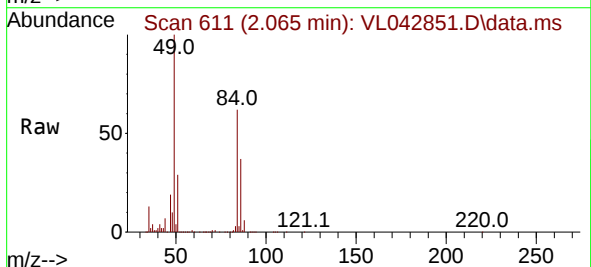
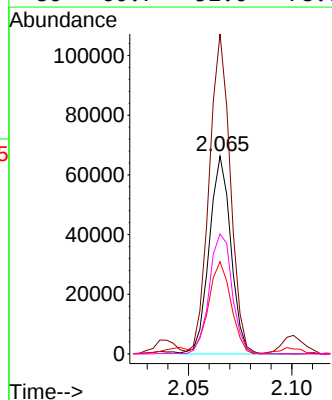
Manual Integrations
APPROVED

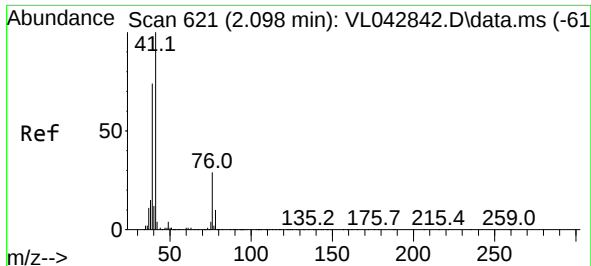
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#20
Methylene Chloride
Concen: 7.439 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

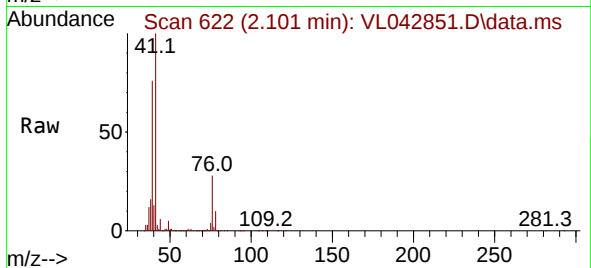
Tgt Ion: 84 Resp: 48184
Ion Ratio Lower Upper
84 100
49 159.6 112.3 168.5
51 45.1 36.0 54.0
86 60.7 52.0 78.0





#21
 Allyl Chloride
 Concen: 8.854 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

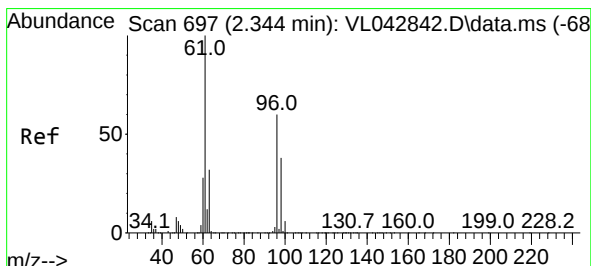
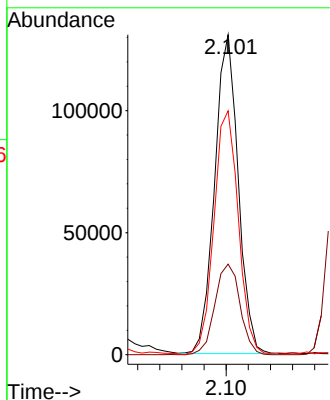
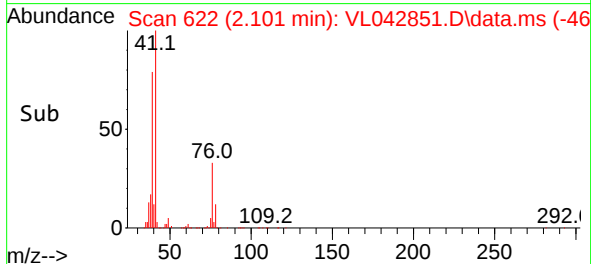
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01



Tgt Ion: 41 Resp: 96710
 Ion Ratio Lower Upper
 41 100
 76 30.3 23.9 35.9
 39 78.0 57.8 86.6

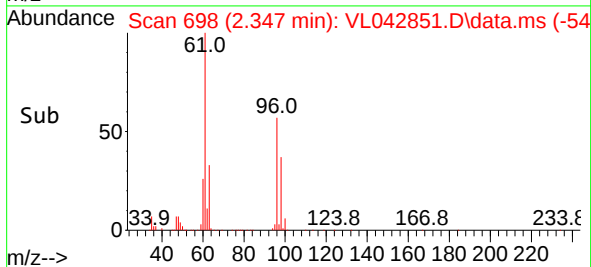
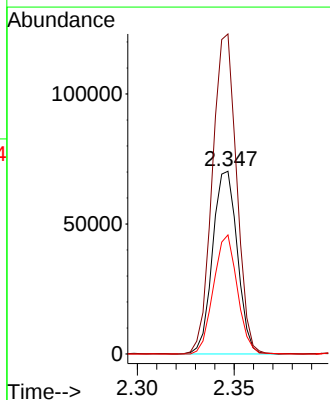
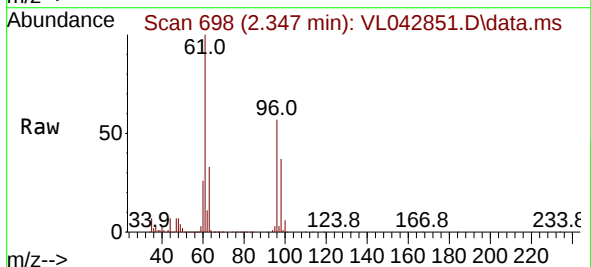
Manual Integrations
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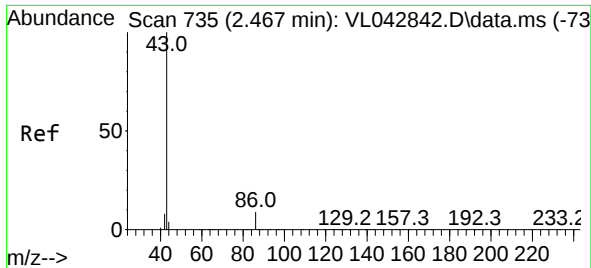
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025



#22
 trans-1,2-Dichloroethene
 Concen: 9.117 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.003 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

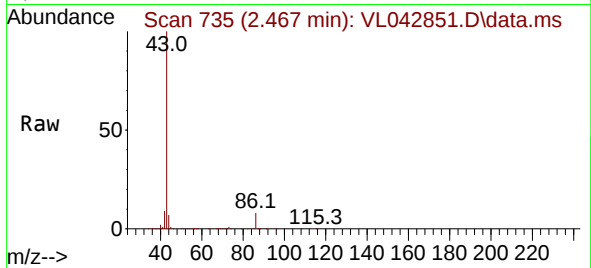
Tgt Ion: 96 Resp: 62464
 Ion Ratio Lower Upper
 96 100
 61 175.1 132.6 199.0
 98 65.1 50.0 75.0





#23
 Vinyl Acetate
 Concen: 9.728 ppbv
 RT: 2.467 min Scan# 719
 Delta R.T. -0.000 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

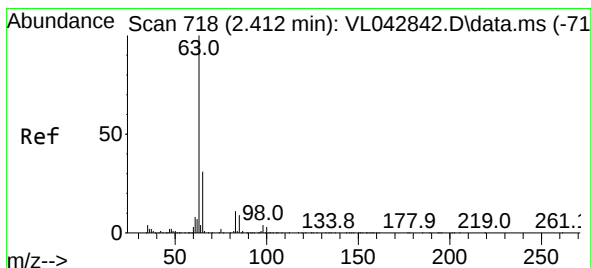
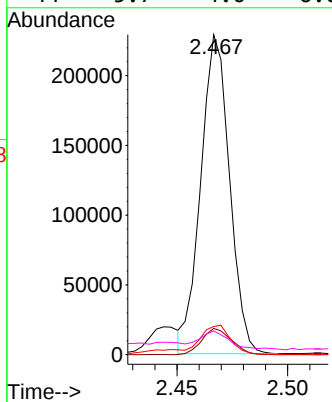
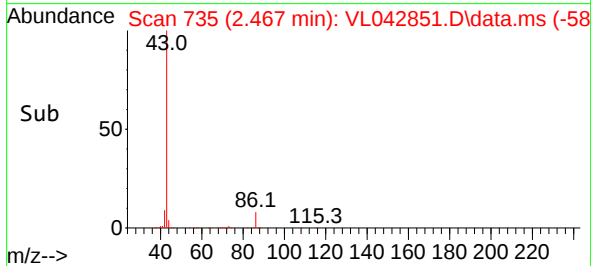
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01



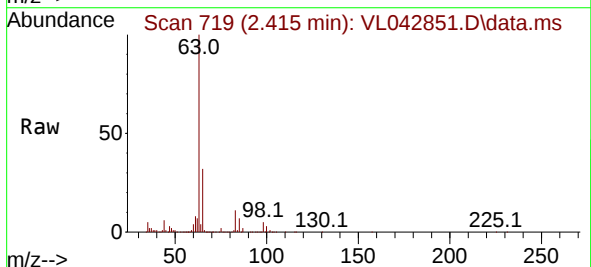
Tgt Ion: 43 Resp: 20680
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.6 9.8
 42 8.7 7.0 10.6
 44 5.7 4.0 6.0

Manual Integrations
 APPROVED

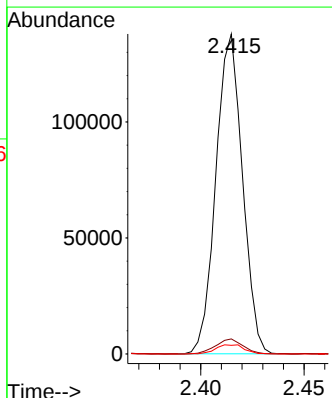
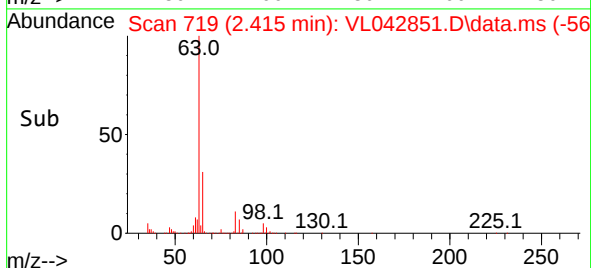
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

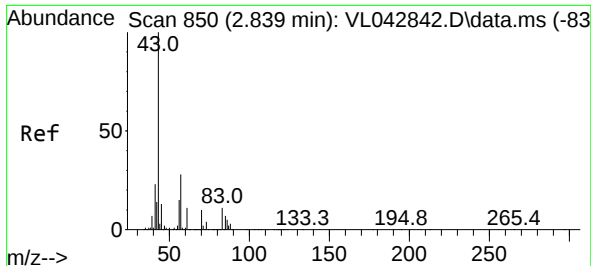


#24
 1,1-Dichloroethane
 Concen: 8.993 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32



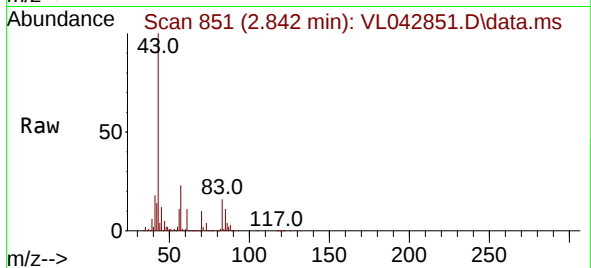
Tgt Ion: 63 Resp: 123052
 Ion Ratio Lower Upper
 63 100
 98 4.7 2.1 6.5
 100 2.7 1.7 5.1





#25
Ethyl Acetate
Concen: 9.200 ppbv
RT: 2.842 min Scan# 849
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

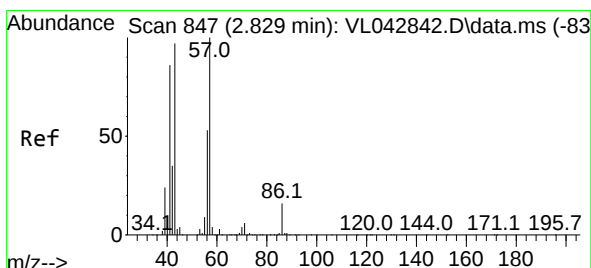
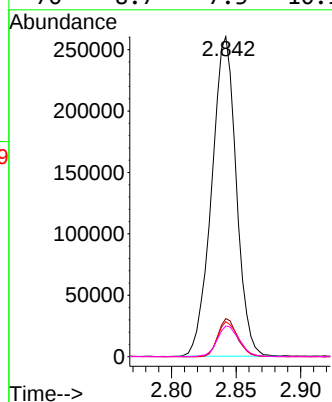
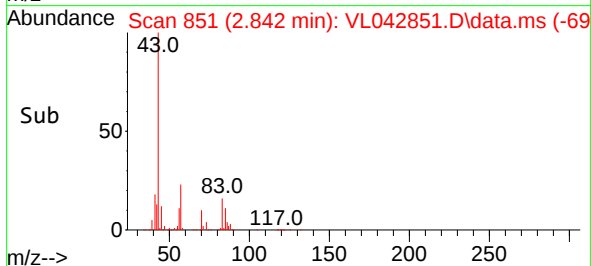
Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01



Tgt Ion: 43 Resp: 34428
Ion Ratio Lower Upper
43 100
45 9.7 8.1 12.1
61 9.1 7.4 11.2
70 8.7 7.3 10.9

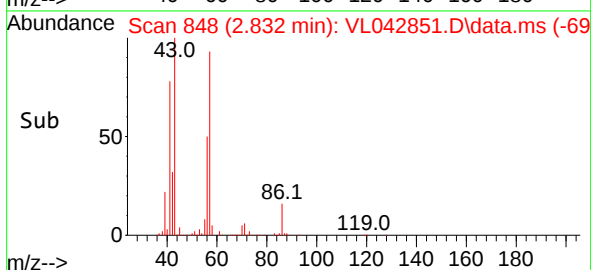
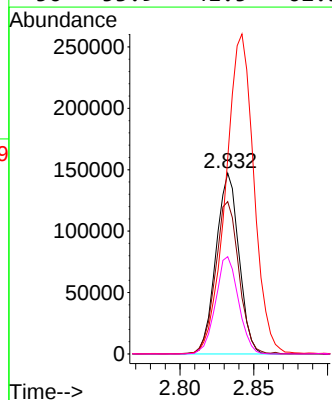
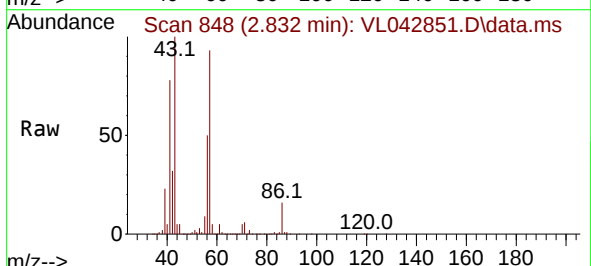
Manual Integrations
APPROVED

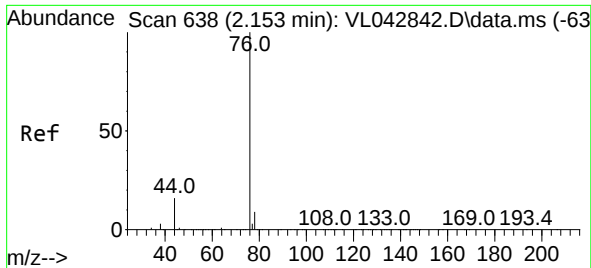
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#26
Hexane
Concen: 9.206 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 57 Resp: 159005
Ion Ratio Lower Upper
57 100
41 87.1 68.6 103.0
43 217.5 168.5 252.7
56 53.9 41.5 62.3





#27

Carbon Disulfide

Concen: 9.126 ppbv

RT: 2.156 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tgt Ion: 76 Resp: 15340

Ion Ratio Lower Upper

76 100

44 26.3 15.9 23.9

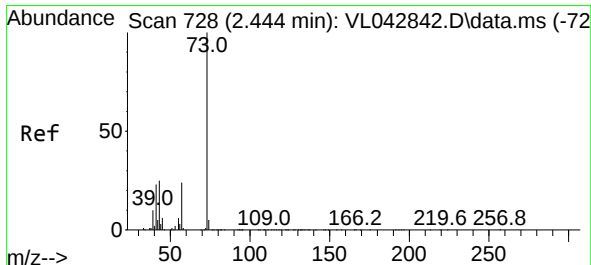
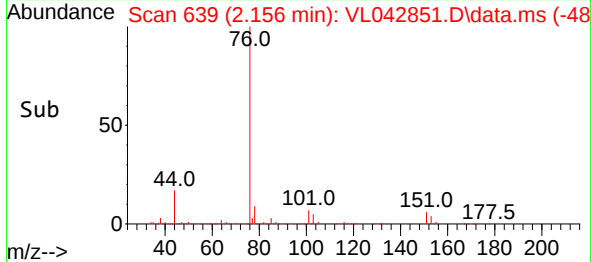
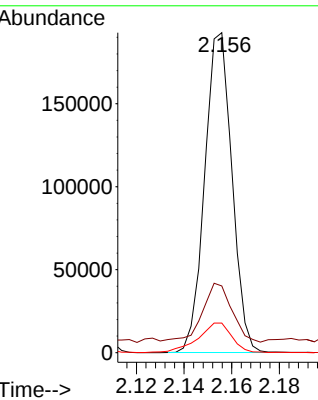
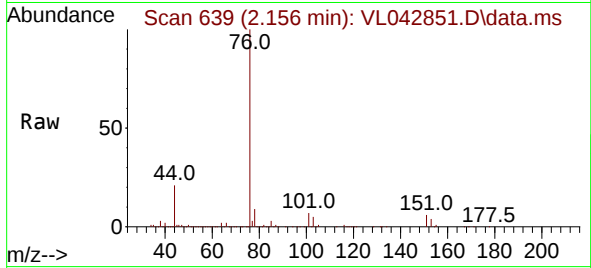
78 11.6 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#28

Methyl tert-Butyl Ether

Concen: 9.630 ppbv

RT: 2.444 min Scan# 728

Delta R.T. -0.000 min

Lab File: VL042851.D

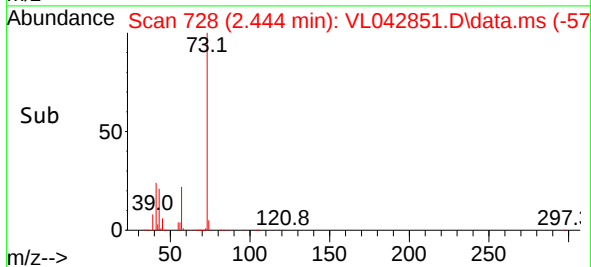
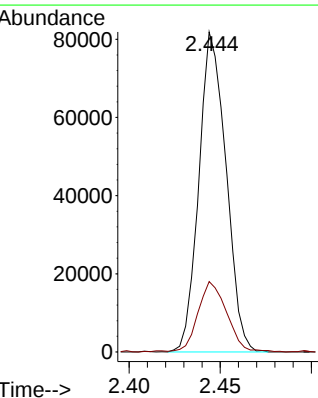
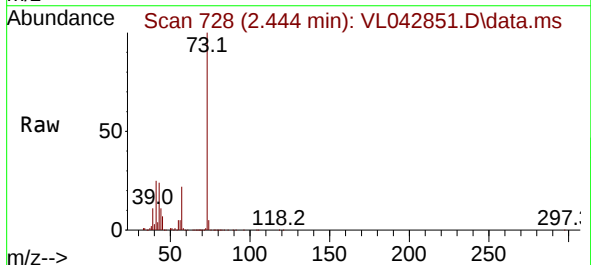
Acq: 13 Aug 2025 14:32

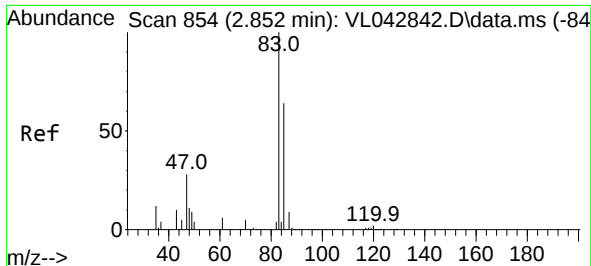
Tgt Ion: 73 Resp: 84816

Ion Ratio Lower Upper

73 100

57 23.2 21.6 32.4





#29

Chloroform

Concen: 9.492 ppbv

RT: 2.855 min Scan# 855

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tgt Ion: 83 Resp: 23406

Ion Ratio Lower Upper

83 100

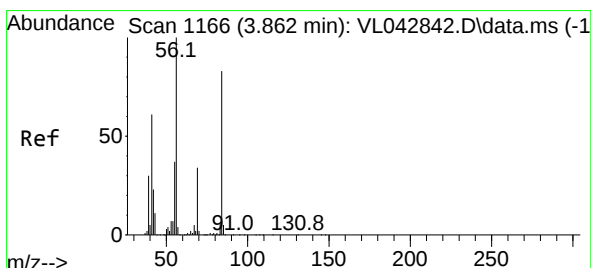
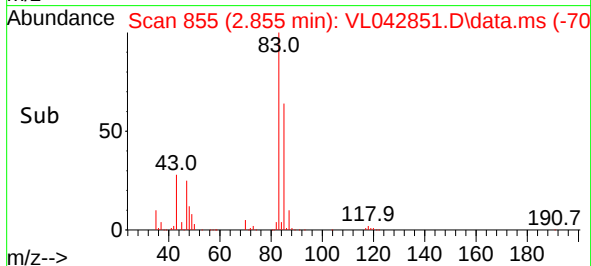
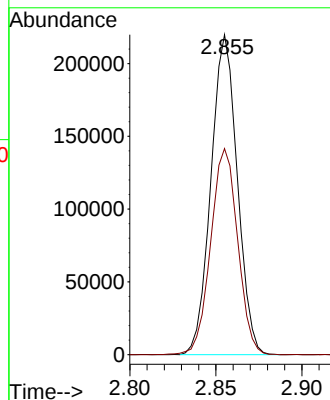
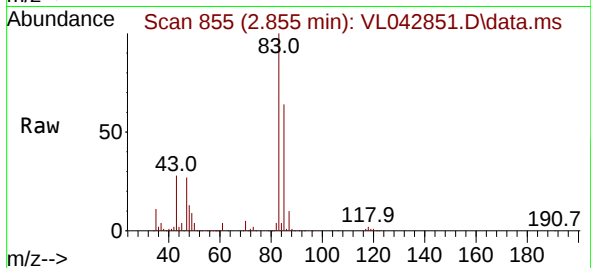
85 64.4 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#30

Cyclohexane

Concen: 9.270 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

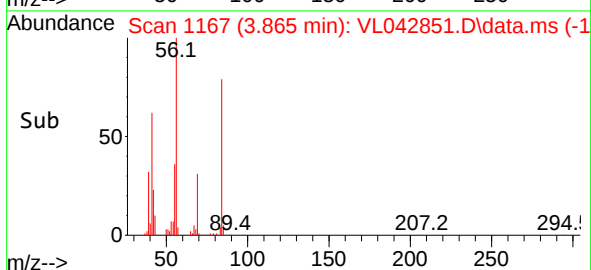
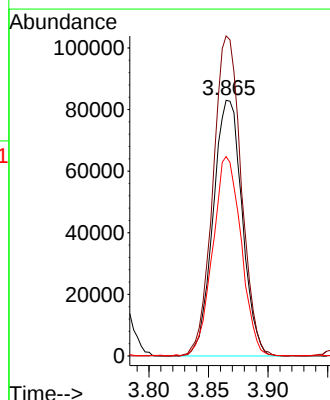
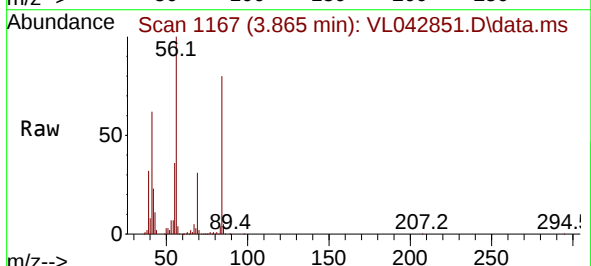
Tgt Ion: 84 Resp: 140375

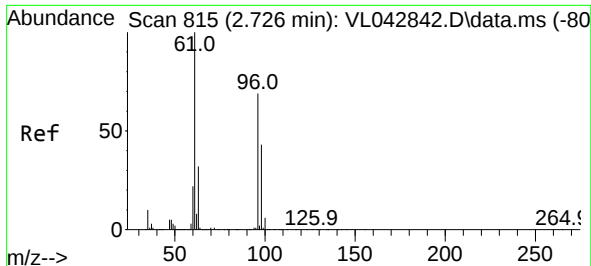
Ion Ratio Lower Upper

84 100

56 122.1 98.8 148.2

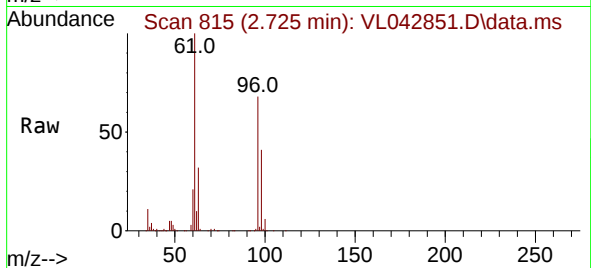
41 76.3 61.3 91.9





#31
 cis-1,2-Dichloroethene
 Concen: 9.199 ppbv
 RT: 2.725 min Scan# 815
 Delta R.T. -0.000 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

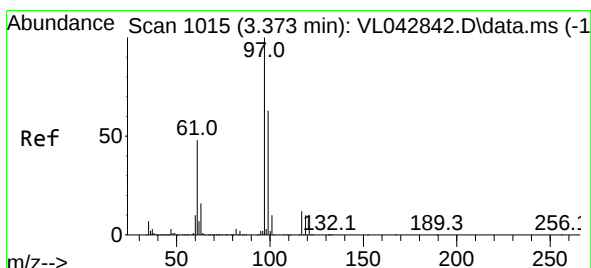
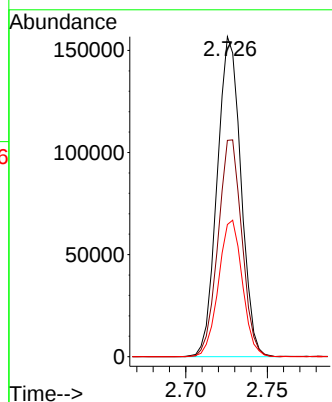
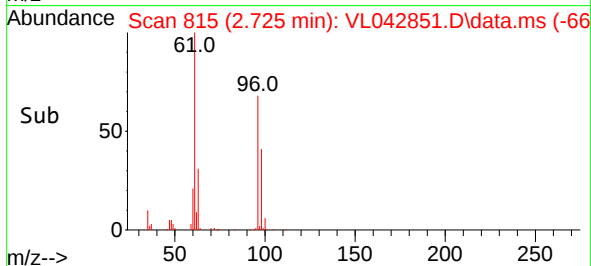
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01



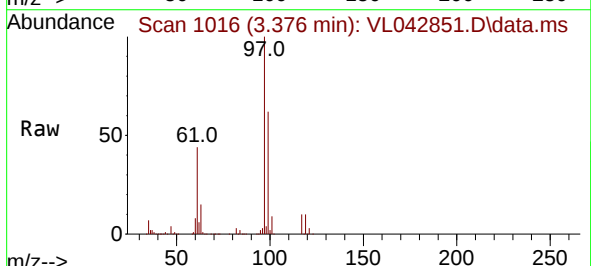
Tgt Ion: 61 Resp: 158712
 Ion Ratio Lower Upper
 61 100
 96 67.6 55.0 82.6
 98 41.3 34.3 51.5

Manual Integrations
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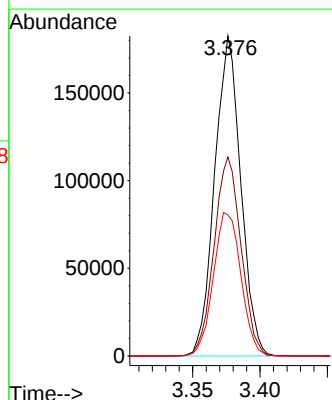
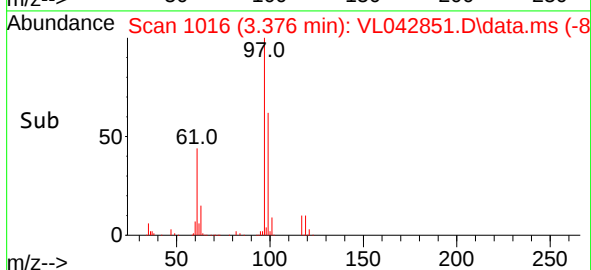
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

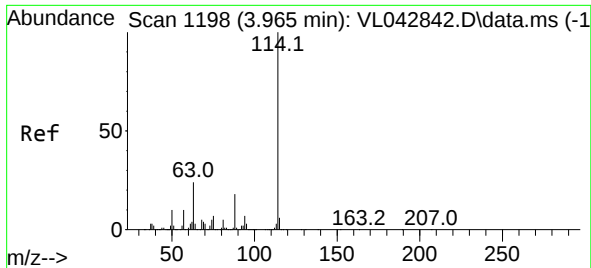


#32
 1,1,1-Trichloroethane
 Concen: 9.431 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.003 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32



Tgt Ion: 97 Resp: 245800
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.0 76.6
 61 47.4 38.0 57.0





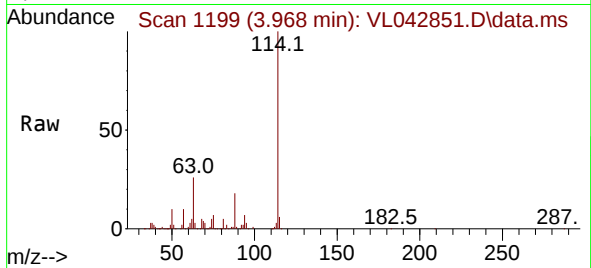
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1198
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

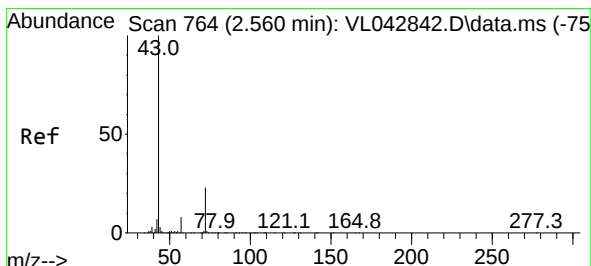
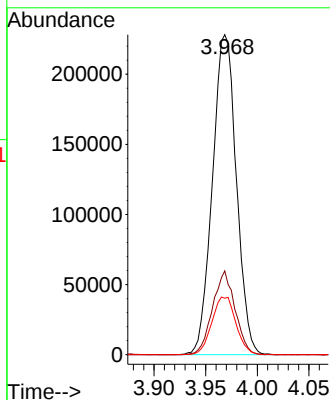
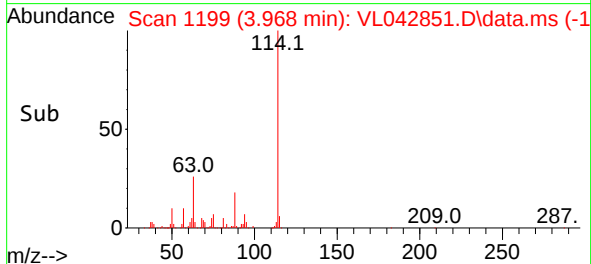


Tgt Ion:114 Resp: 368200
Ion Ratio Lower Upper
114 100
63 24.6 19.7 29.5
88 18.1 14.4 21.6

Manual Integrations

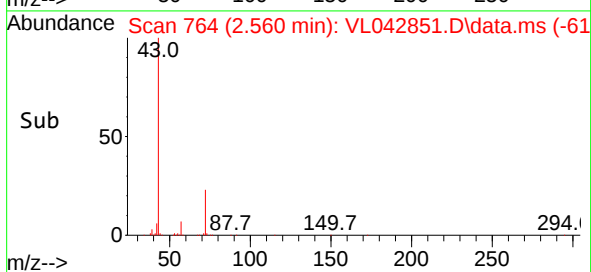
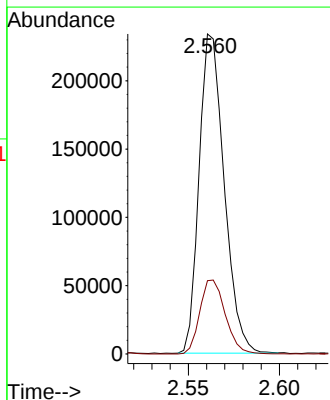
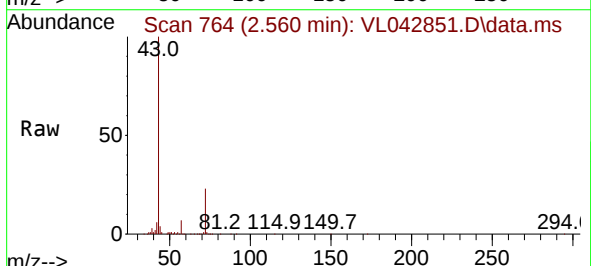
APPROVED

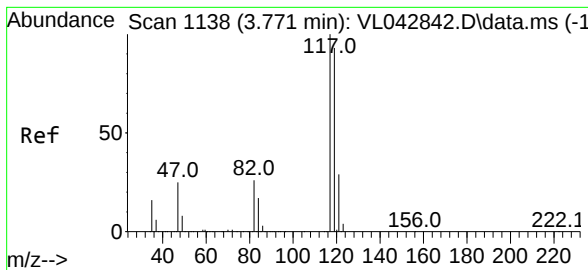
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#34
2-Butanone
Concen: 9.016 ppbv
RT: 2.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

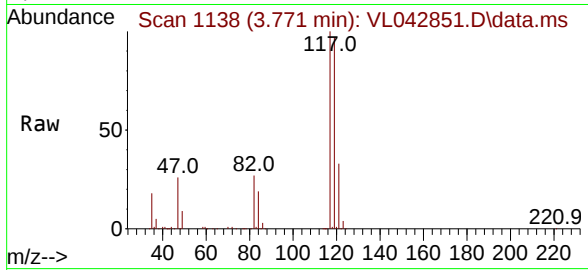
Tgt Ion: 43 Resp: 224149
Ion Ratio Lower Upper
43 100
72 23.5 18.6 28.0





#35
Carbon Tetrachloride
Concen: 9.281 ppbv
RT: 3.771 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

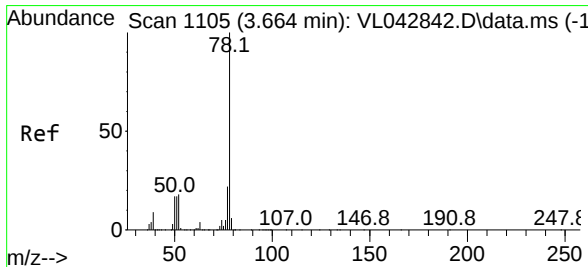
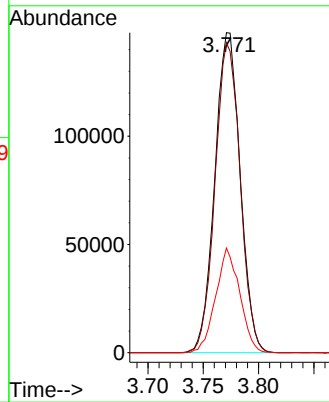
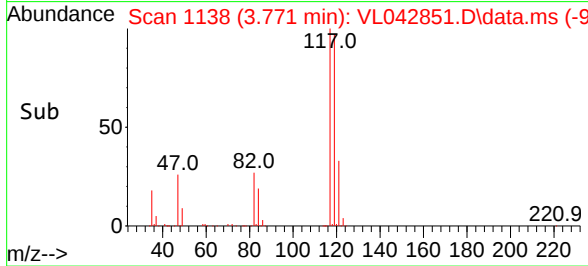
Instrument : MSVOA_L
ClientSampleId : VL0813ABS01



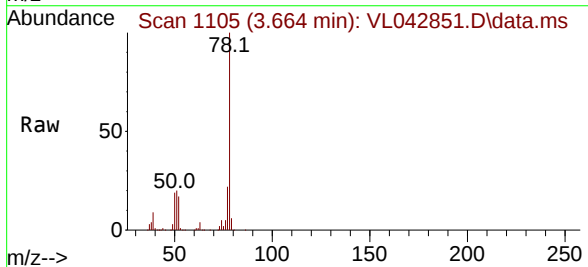
Tgt Ion: 117 Resp: 235598
Ion Ratio Lower Upper
117 100
119 96.8 74.7 112.1
121 32.7 23.2 34.8

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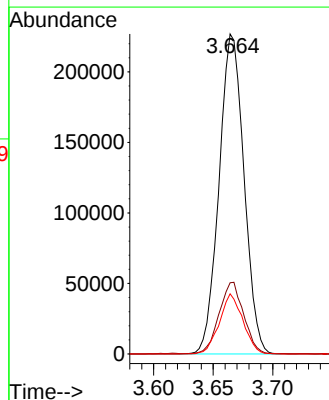
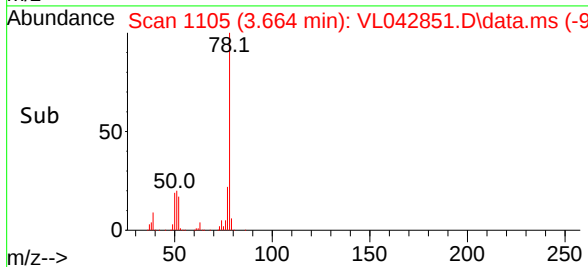
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

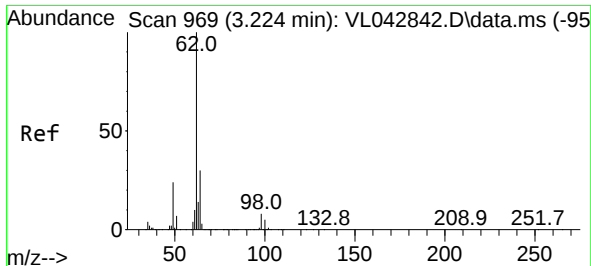


#36
Benzene
Concen: 9.360 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32



Tgt Ion: 78 Resp: 330026
Ion Ratio Lower Upper
78 100
77 22.2 17.7 26.5
50 18.8 13.9 20.9





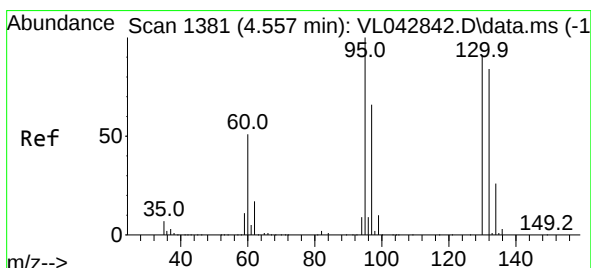
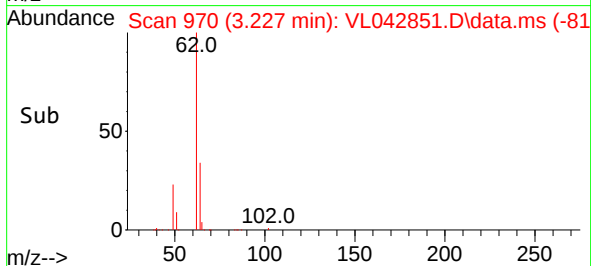
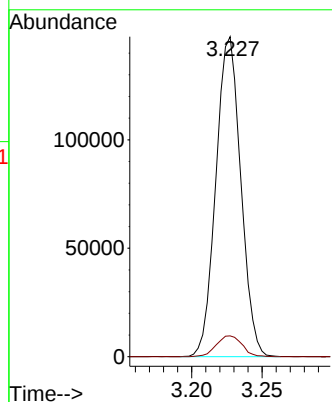
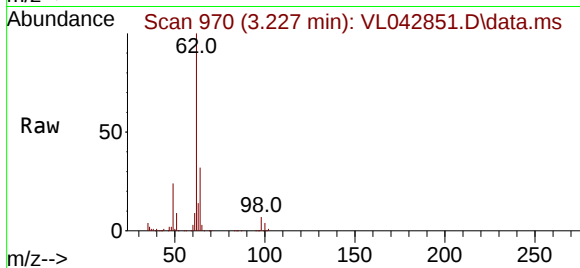
#37
1,2-Dichloroethane
Concen: 9.874 ppbv
RT: 3.227 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 62 Resp: 181878
Ion Ratio Lower Upper
62 100
98 6.7 5.9 8.9

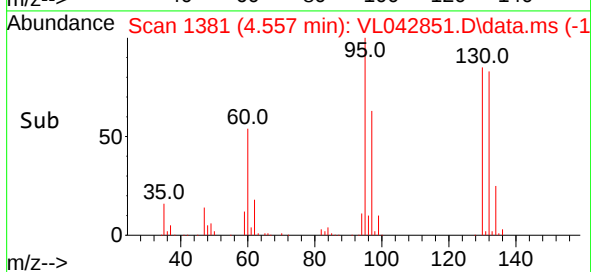
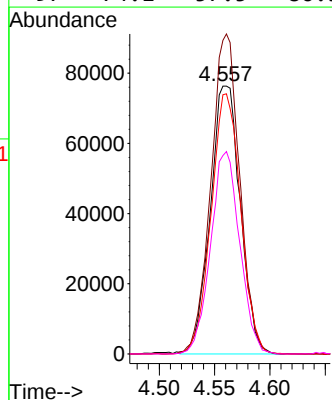
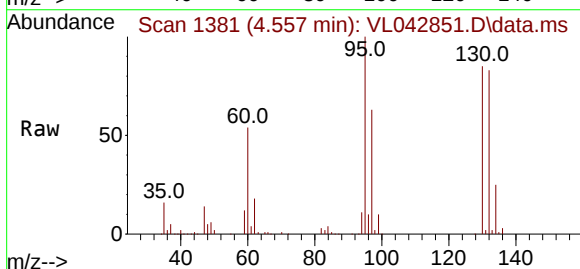
Manual Integrations
APPROVED

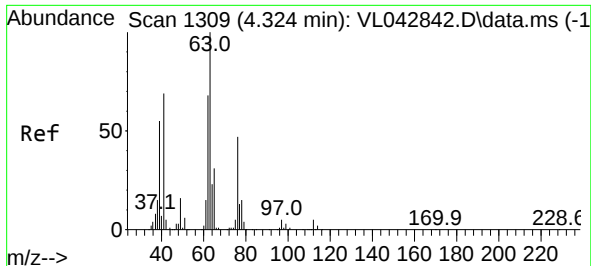
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#38
Trichloroethene
Concen: 8.944 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:130 Resp: 144018
Ion Ratio Lower Upper
130 100
95 117.1 87.6 131.4
132 96.6 73.8 110.8
97 74.1 57.5 86.3





#39

1,2-Dichloropropane

Concen: 9.275 ppbv

RT: 4.324 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL042851.D

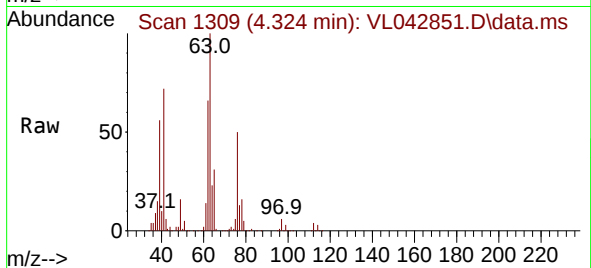
Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

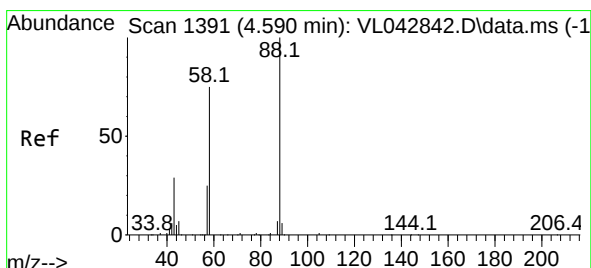
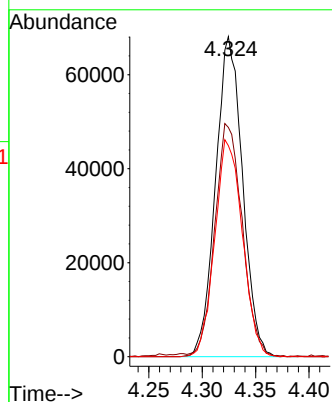
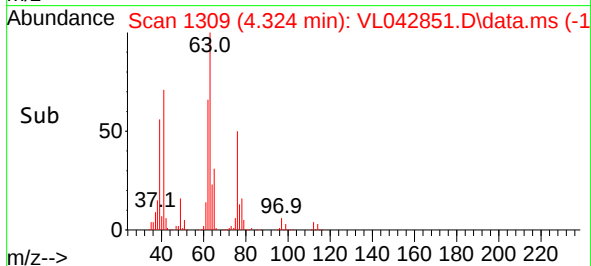


Tgt Ion:	63	Resp:	11944
Ion	Ratio	Lower	Upper
63	100		
41	71.4	55.0	82.4
62	66.0	54.4	81.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#40

1,4-Dioxane

Concen: 8.832 ppbv m

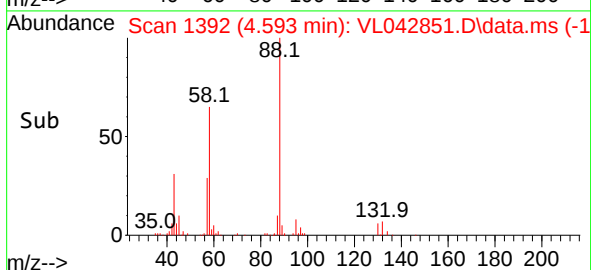
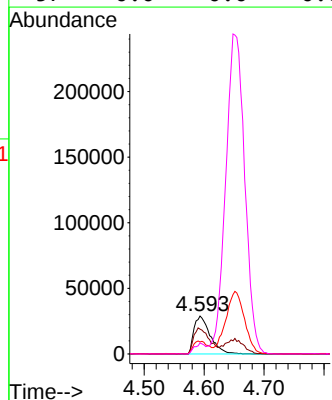
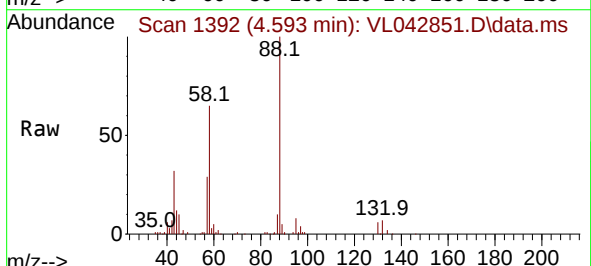
RT: 4.593 min Scan# 1392

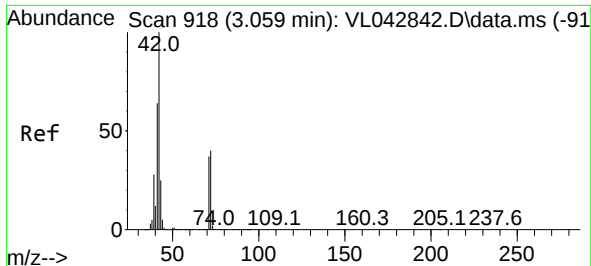
Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

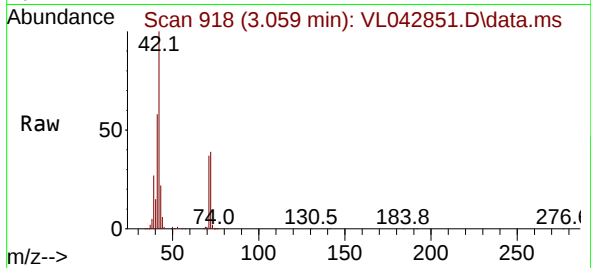
Tgt Ion:	88	Resp:	54081
Ion	Ratio	Lower	Upper
88	100		
58	69.9	53.8	80.6
43	35.7	22.8	34.2
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 9.204 ppbv
RT: 3.059 min Scan# 918
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

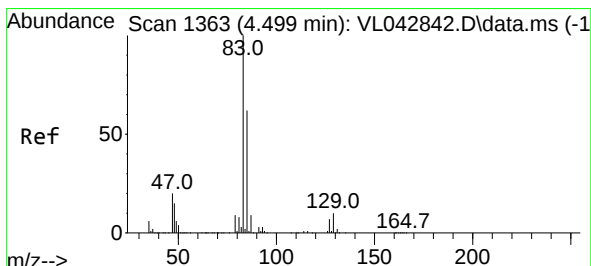
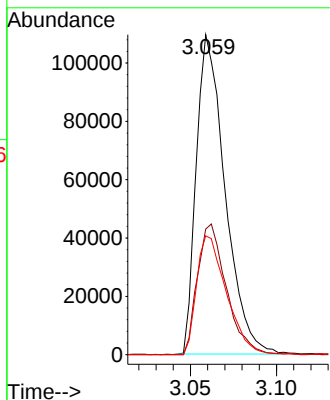
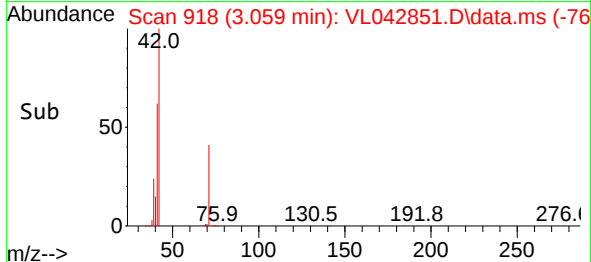
Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01



Tgt Ion: 42 Resp: 127578
Ion Ratio Lower Upper
42 100
72 41.2 32.6 48.8
71 38.9 30.0 45.0

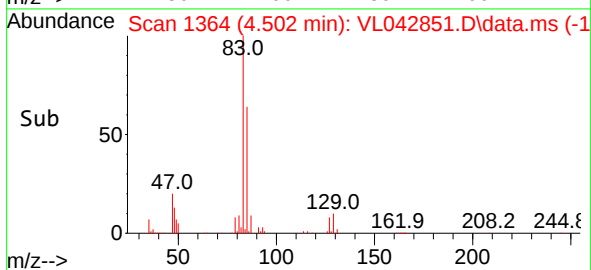
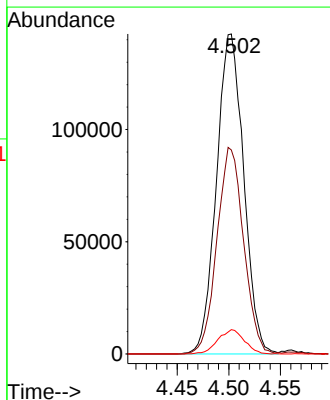
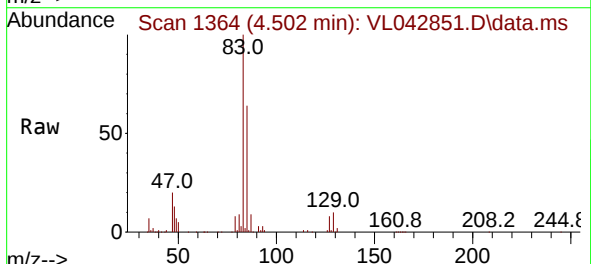
Manual Integrations
APPROVED

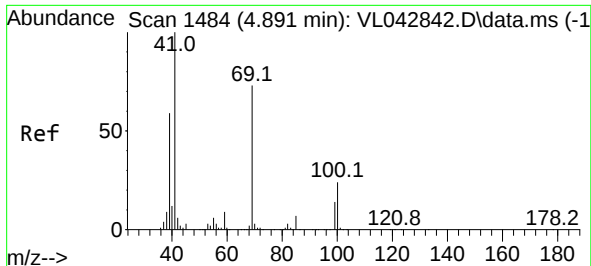
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#42
Bromodichloromethane
Concen: 9.522 ppbv
RT: 4.502 min Scan# 1364
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

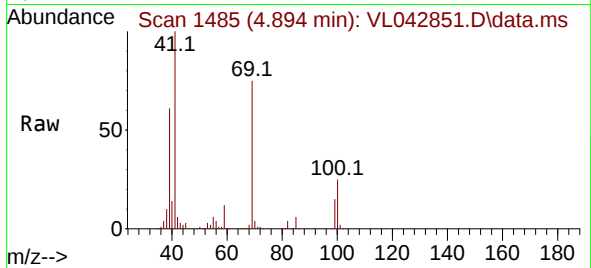
Tgt Ion: 83 Resp: 261380
Ion Ratio Lower Upper
83 100
85 63.8 49.8 74.8
127 7.6 5.8 8.6





#43
Methyl Methacrylate
Concen: 9.042 ppbv
RT: 4.894 min Scan# 1484
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

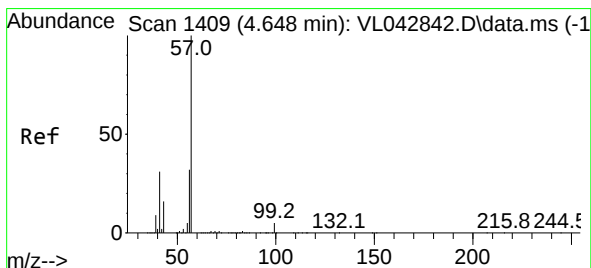
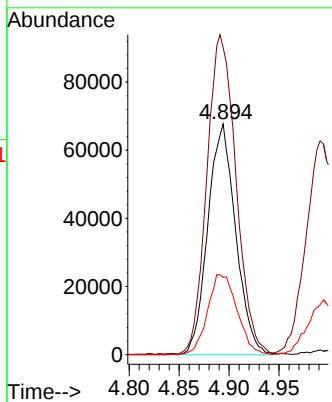
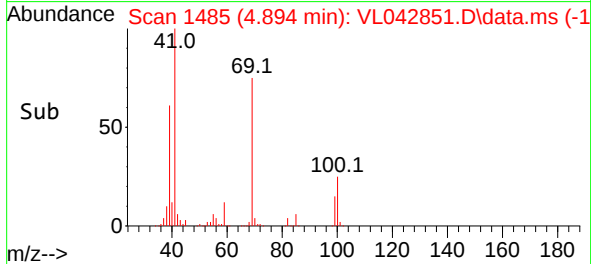
Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01



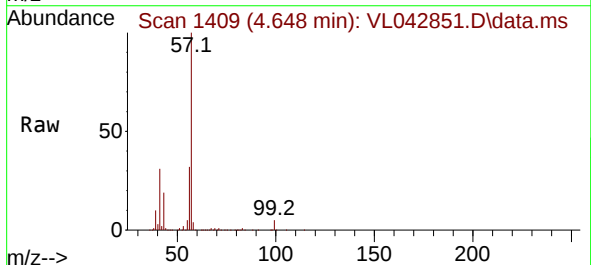
Tgt Ion: 69 Resp: 131335
Ion Ratio Lower Upper
69 100
41 145.5 114.6 172.0
100 36.8 30.2 45.4

Manual Integrations
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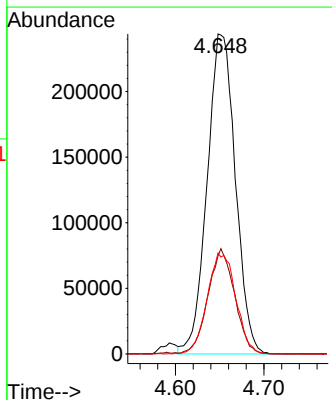
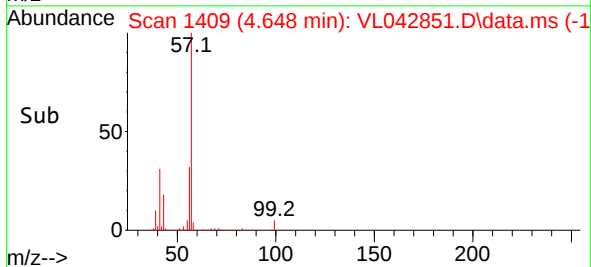
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

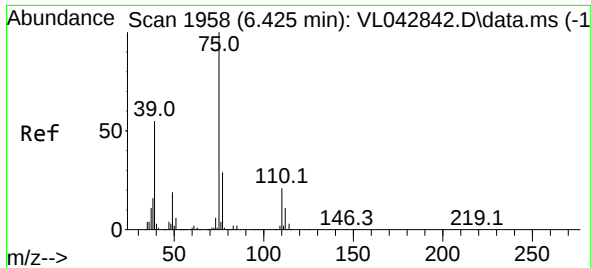


#44
2,2,4-Trimethylpentane
Concen: 9.039 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32



Tgt Ion: 57 Resp: 540935
Ion Ratio Lower Upper
57 100
41 31.5 24.8 37.2
56 31.9 25.5 38.3





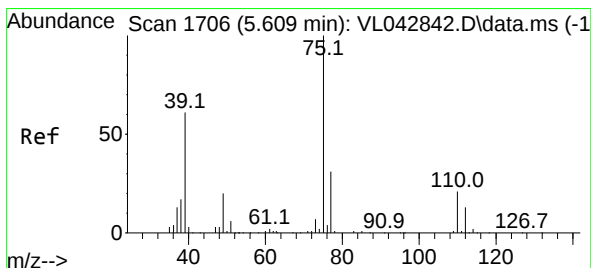
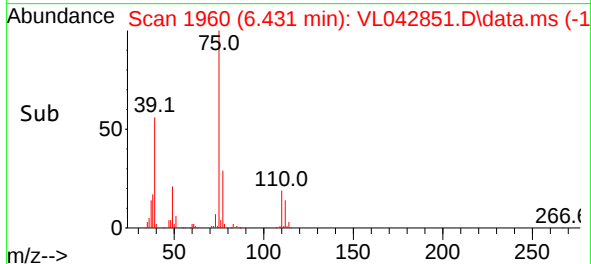
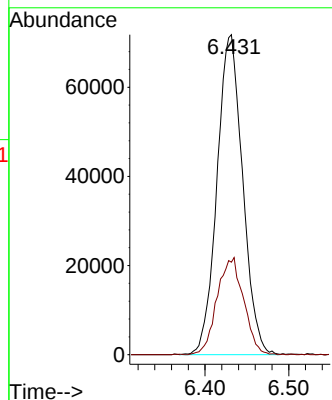
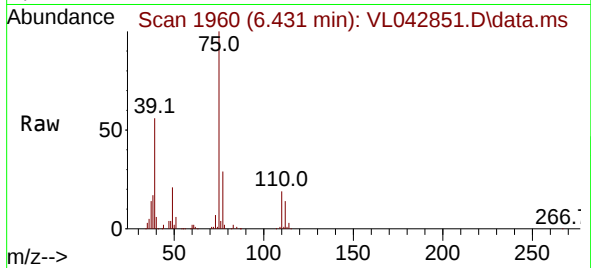
#45
 t-1,3-Dichloropropene
 Concen: 9.309 ppbv
 RT: 6.431 min Scan# 1958
 Delta R.T. 0.006 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Tgt Ion: 75 Resp: 15258
 Ion Ratio Lower Upper
 75 100
 77 28.9 23.8 35.6

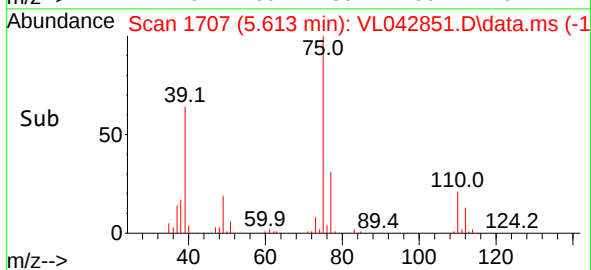
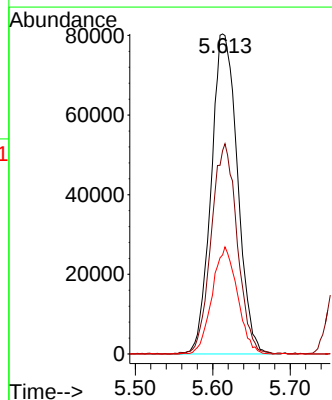
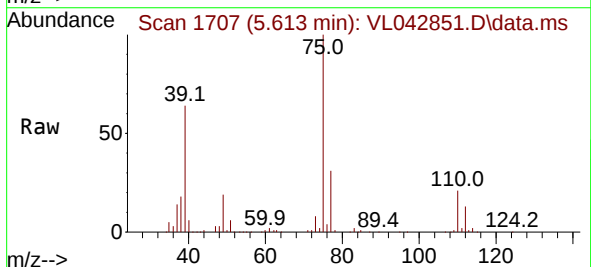
Manual Integrations
 APPROVED

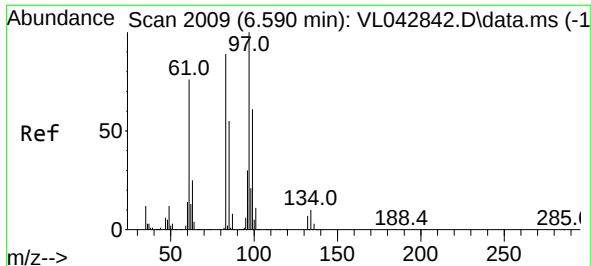
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025



#46
 cis-1,3-Dichloropropene
 Concen: 9.285 ppbv
 RT: 5.613 min Scan# 1707
 Delta R.T. 0.003 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

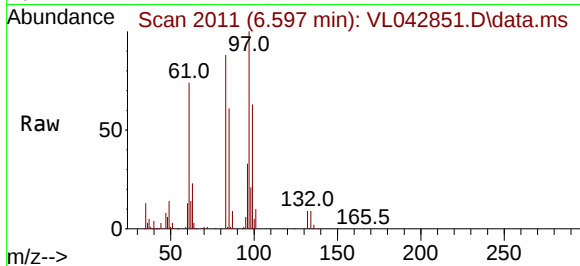
Tgt Ion: 75 Resp: 189646
 Ion Ratio Lower Upper
 75 100
 39 63.2 48.9 73.3
 77 30.9 24.9 37.3





#47
1,1,2-Trichloroethane
Concen: 9.357 ppbv
RT: 6.597 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

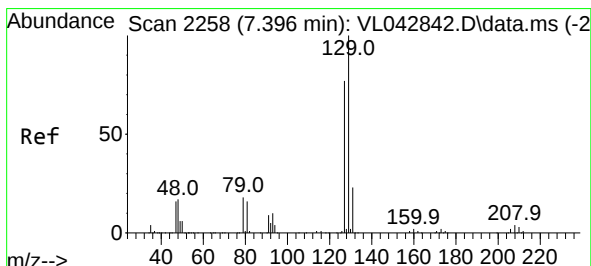
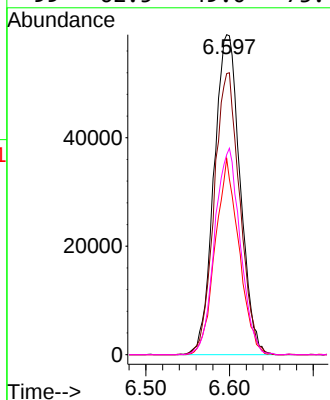
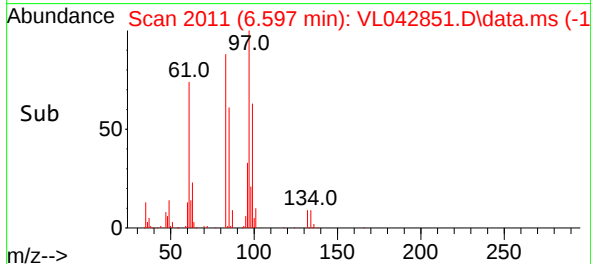
Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01



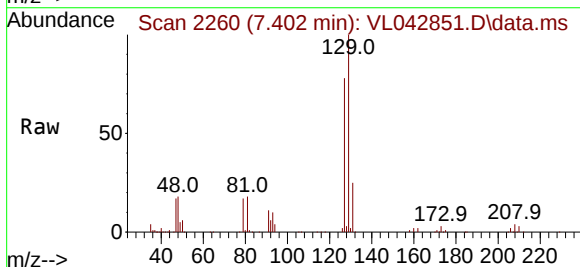
Tgt Ion: 97 Resp: 12766
Ion Ratio Lower Upper
97 100
83 87.8 71.0 106.4
85 61.3 43.6 65.4
99 62.5 49.0 73.4

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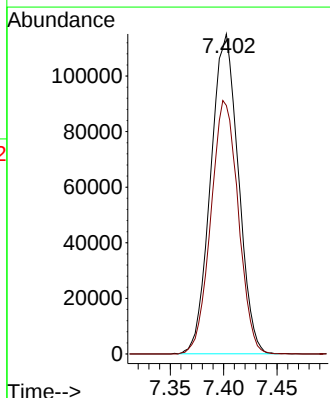
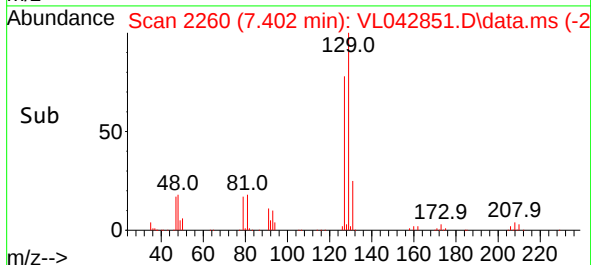
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

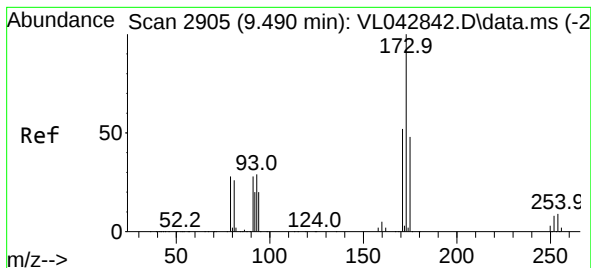


#48
Dibromochloromethane
Concen: 9.412 ppbv
RT: 7.402 min Scan# 2260
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32



Tgt Ion:129 Resp: 207804
Ion Ratio Lower Upper
129 100
127 78.4 39.4 118.2





#49

Bromoform

Concen: 9.228 ppbv

RT: 9.493 min Scan# 2905

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

ClientSampleId :

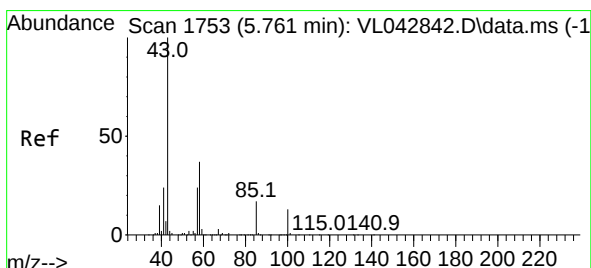
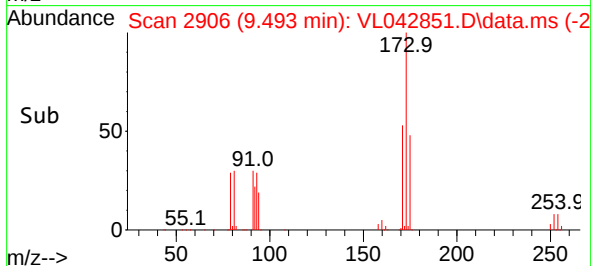
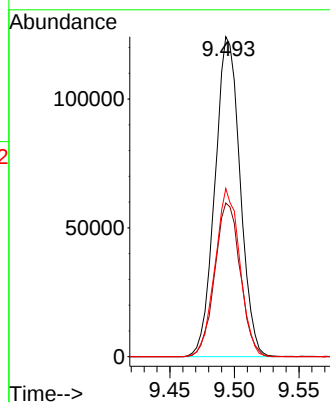
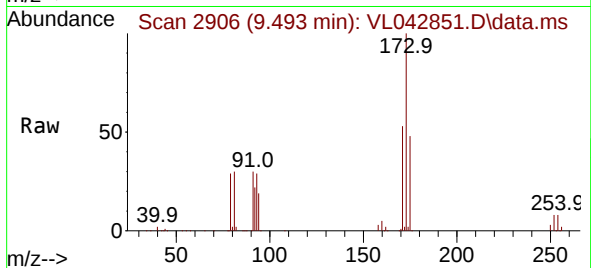
VL0813ABS01

Tgt Ion:173 Resp: 168015
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.2 58.8
 171 51.7 41.3 61.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025



#50

4-Methyl-2-Pentanone

Concen: 9.286 ppbv

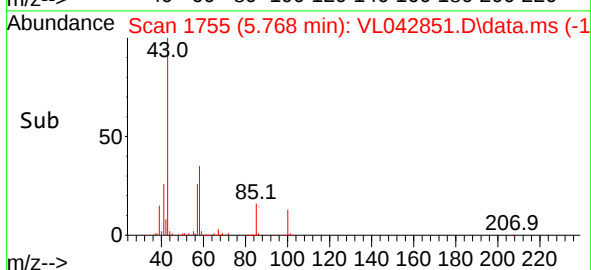
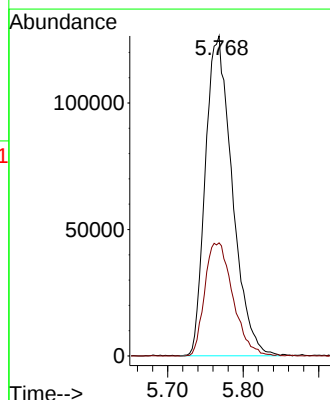
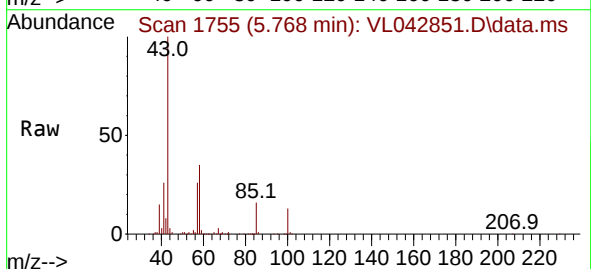
RT: 5.768 min Scan# 1755

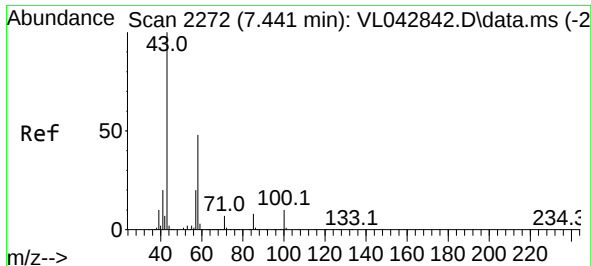
Delta R.T. 0.006 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

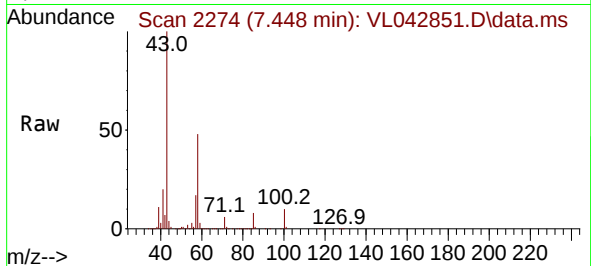
Tgt Ion: 43 Resp: 312046
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.8 44.8





#51
2-Hexanone
Concen: 9.404 ppbv
RT: 7.448 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

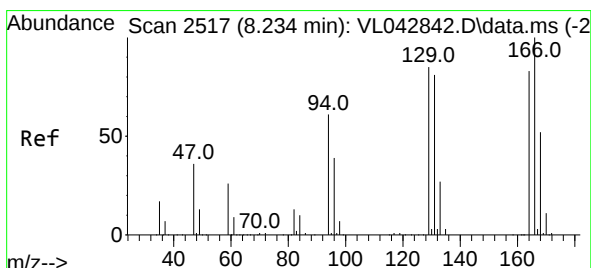
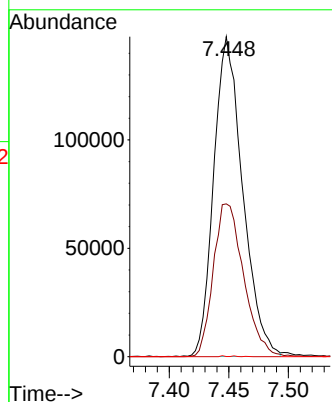
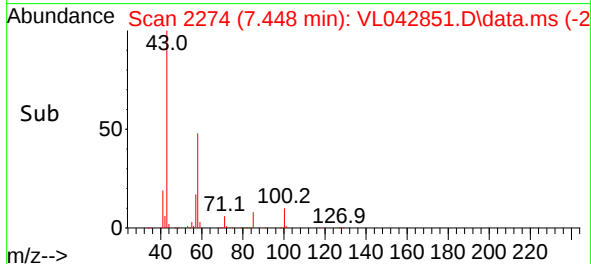
Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01



Tgt Ion: 43 Resp: 248690
Ion Ratio Lower Upper
43 100
58 50.3 41.0 61.6
98 0.1 0.1 0.1

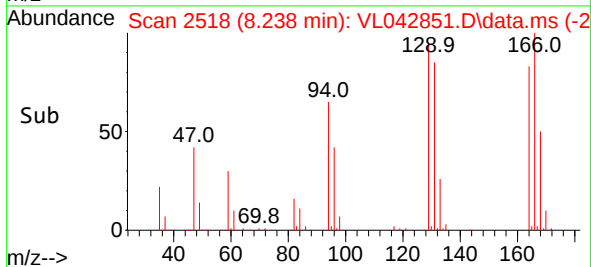
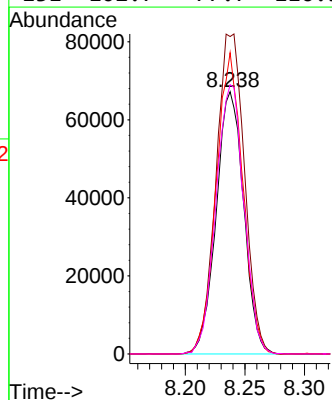
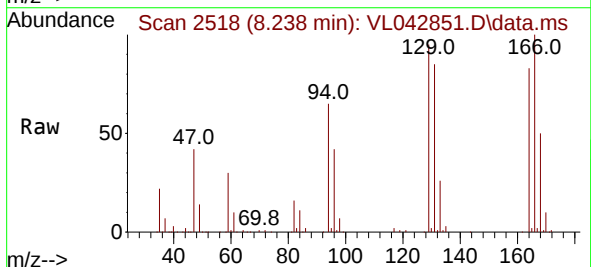
Manual Integrations
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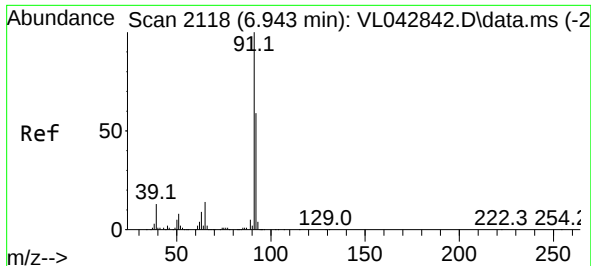
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#52
Tetrachloroethene
Concen: 8.434 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:164 Resp: 107577
Ion Ratio Lower Upper
164 100
166 121.0 96.5 144.7
129 114.9 81.8 122.6
131 102.7 77.7 116.5





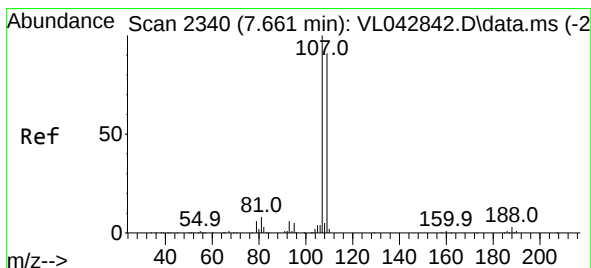
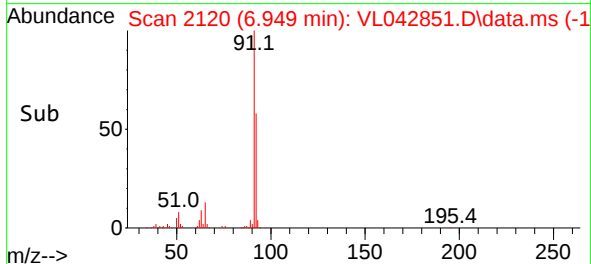
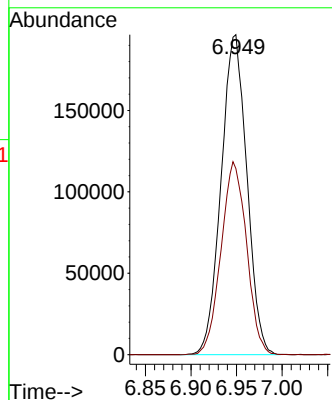
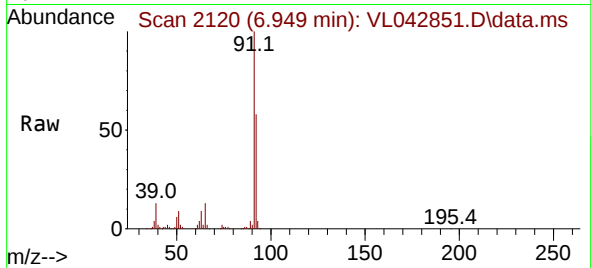
#53
Toluene
Concen: 9.216 ppbv
RT: 6.949 min Scan# 2118
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 91 Resp: 38629
Ion Ratio Lower Upper
91 100
92 59.7 47.8 71.6

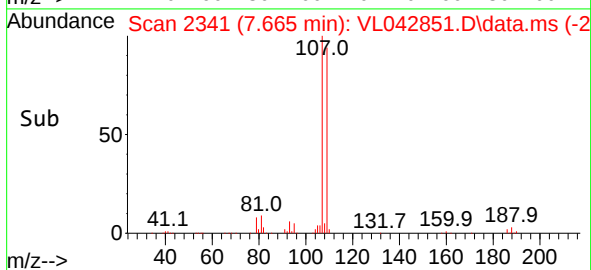
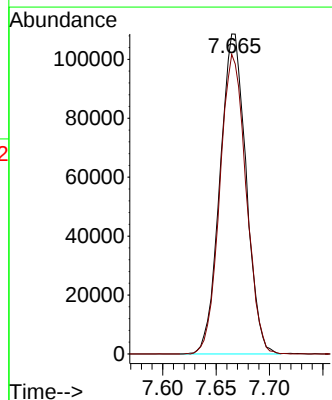
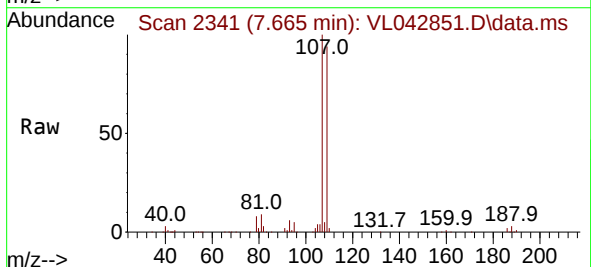
Manual Integrations
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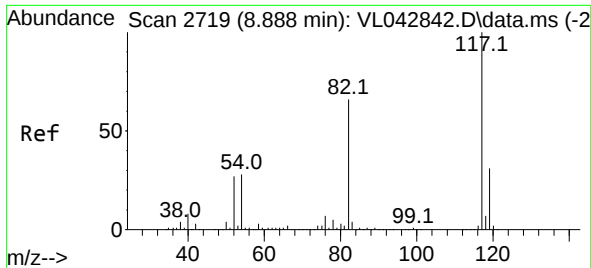
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#54
1,2-Dibromoethane
Concen: 9.275 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:107 Resp: 184932
Ion Ratio Lower Upper
107 100
109 93.6 72.5 108.7





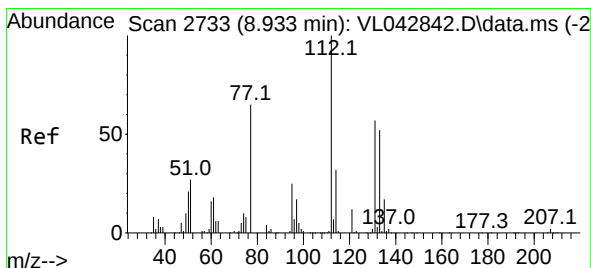
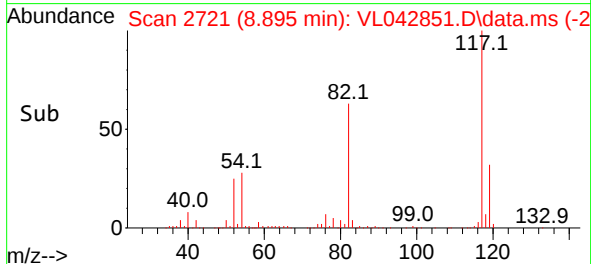
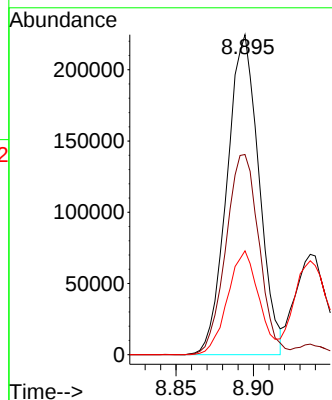
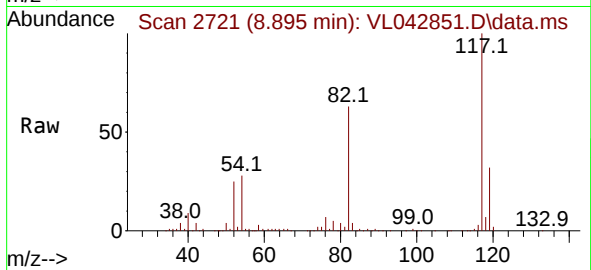
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2719
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion:117 Resp: 32229
Ion Ratio Lower Upper
117 100
82 67.9 54.6 81.8
119 31.0 25.9 38.9

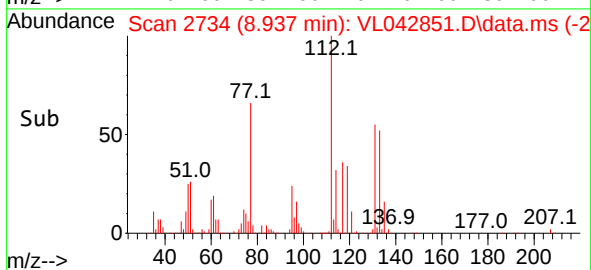
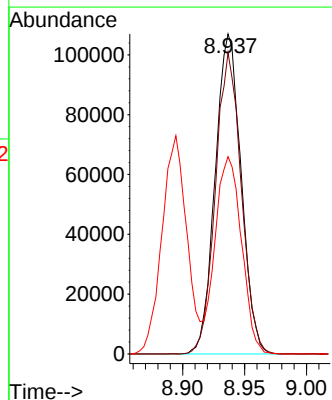
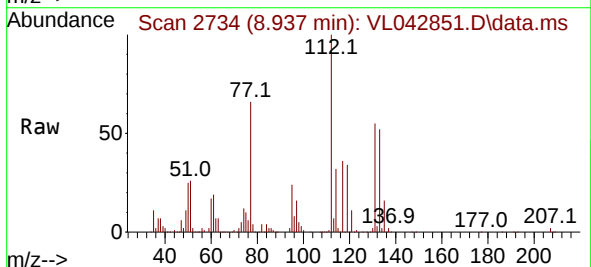
Manual Integrations
APPROVED

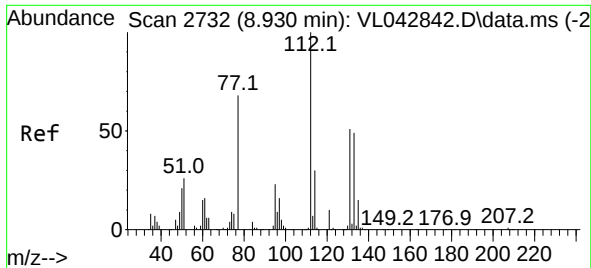
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 9.381 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

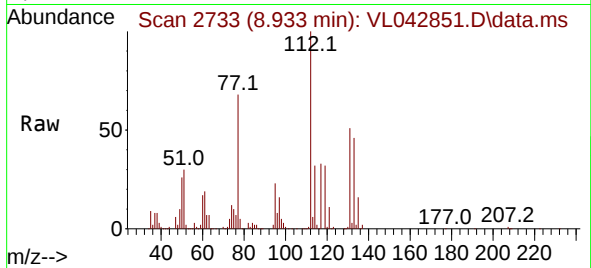
Tgt Ion:131 Resp: 156352
Ion Ratio Lower Upper
131 100
133 93.5 77.4 116.0
119 63.4 51.2 76.8





#57
Chlorobenzene
Concen: 9.326 ppbv
RT: 8.933 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

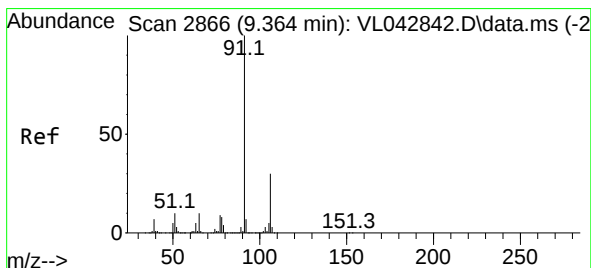
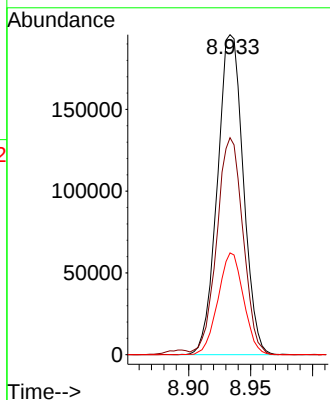
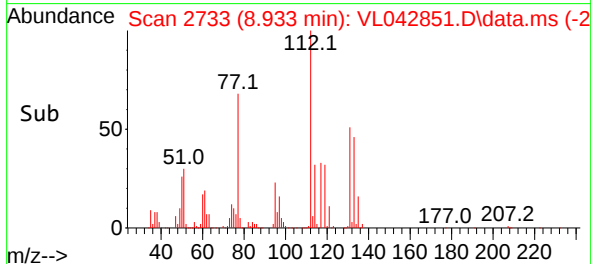
Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01



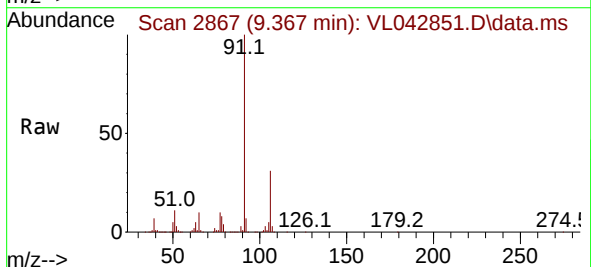
Tgt Ion: 112 Resp: 285789
Ion Ratio Lower Upper
112 100
77 67.7 55.5 83.3
114 31.8 27.2 33.2

Manual Integrations
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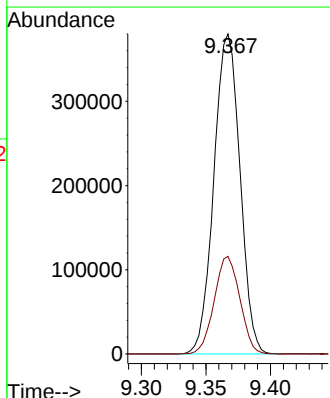
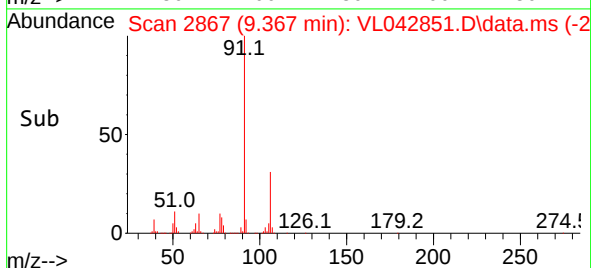
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

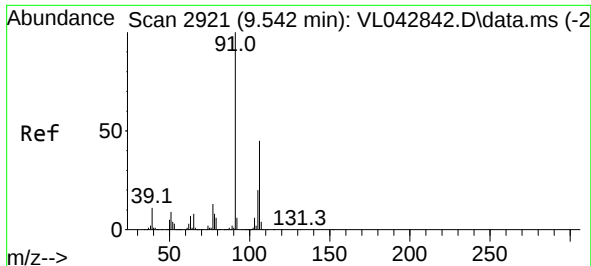


#58
Ethyl Benzene
Concen: 9.389 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32



Tgt Ion: 91 Resp: 534013
Ion Ratio Lower Upper
91 100
106 30.5 23.9 35.9





#59

m/p-Xylene

Concen: 18.783 ppbv m

RT: 9.565 min Scan# 2921

Delta R.T. 0.023 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tgt Ion: 91 Resp: 83733

Ion Ratio Lower Upper

91 100

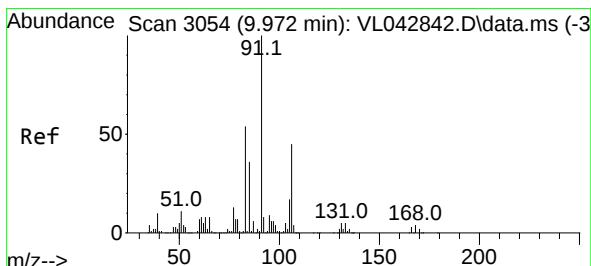
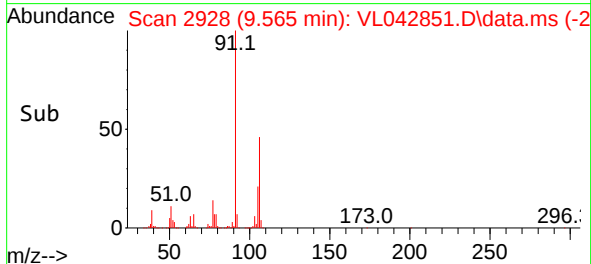
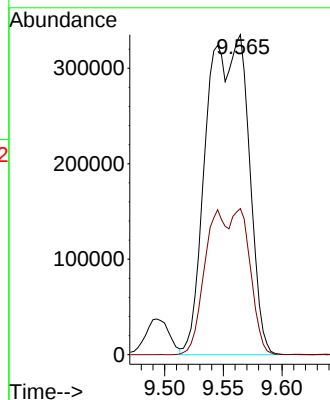
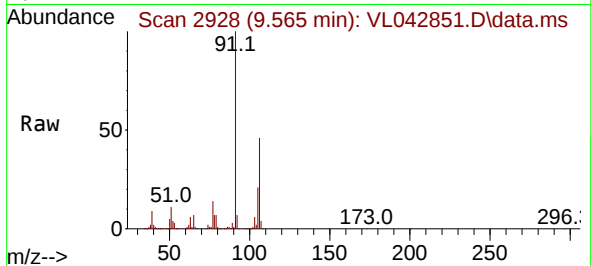
106 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#60

o-Xylene

Concen: 9.308 ppbv

RT: 9.976 min Scan# 3055

Delta R.T. 0.003 min

Lab File: VL042851.D

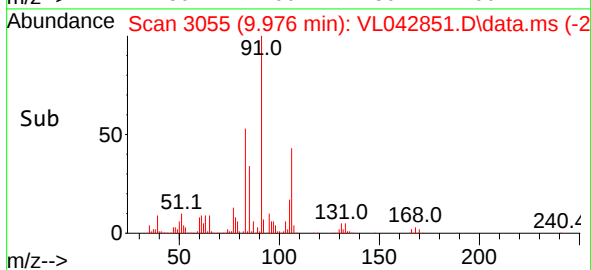
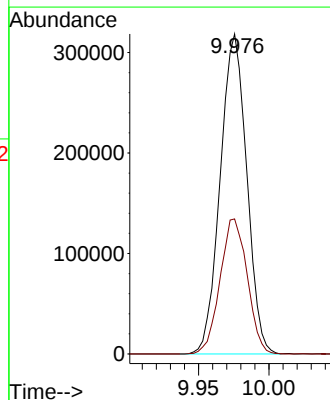
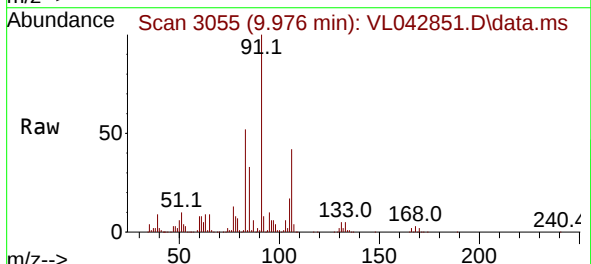
Acq: 13 Aug 2025 14:32

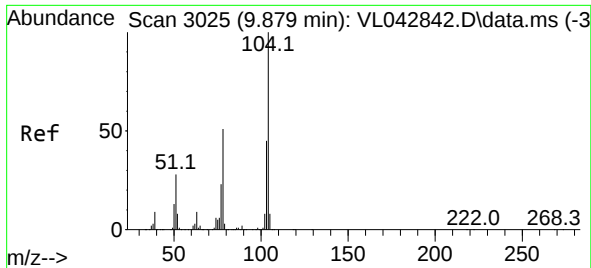
Tgt Ion: 91 Resp: 417423

Ion Ratio Lower Upper

91 100

106 43.4 21.8 65.4





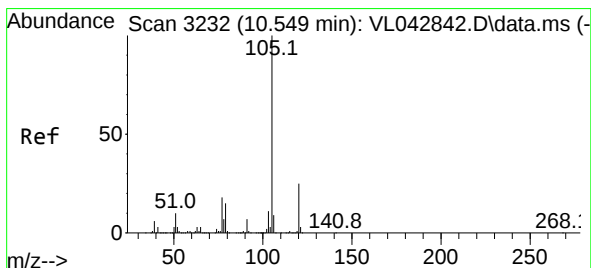
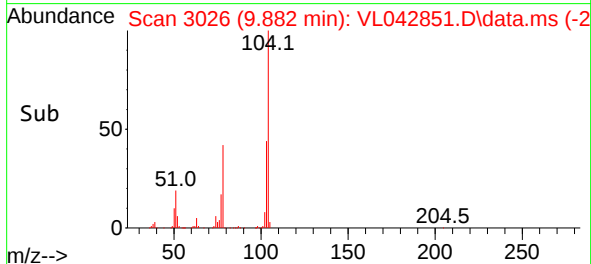
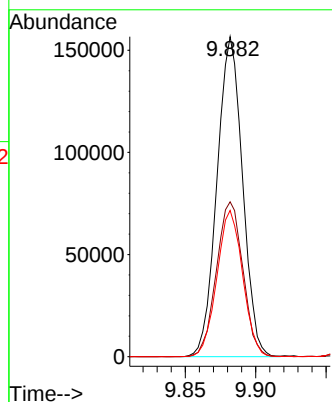
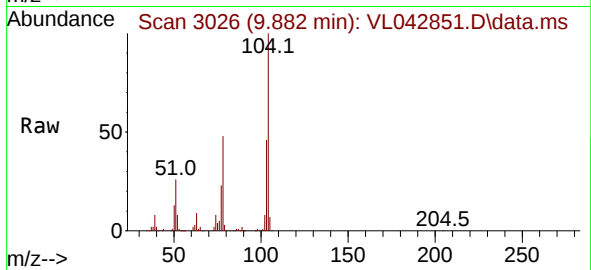
#61
Styrene
Concen: 9.414 ppbv
RT: 9.882 min Scan# 3025
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion:104 Resp: 197790
Ion Ratio Lower Upper
104 100
78 50.3 40.6 61.0
103 46.1 37.7 56.5

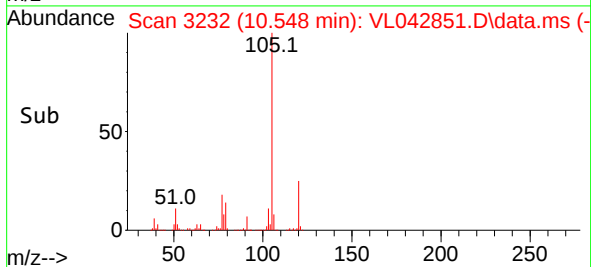
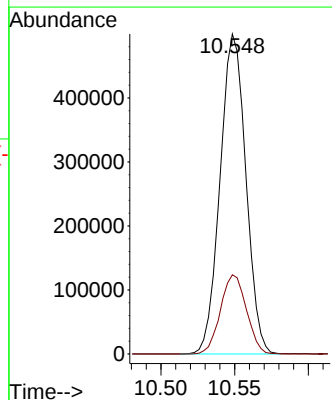
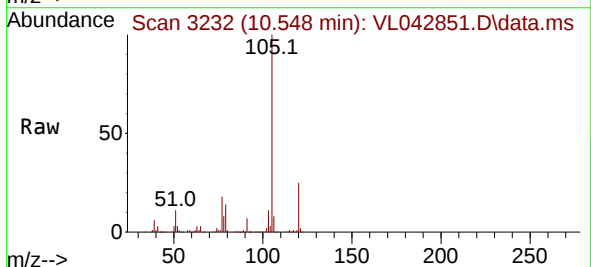
Manual Integrations
APPROVED

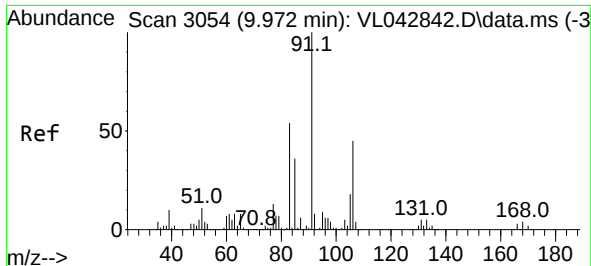
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#62
Isopropylbenzene
Concen: 9.271 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

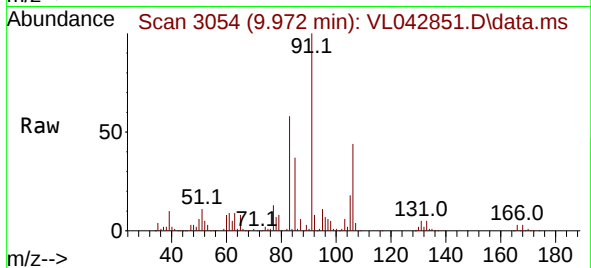
Tgt Ion:105 Resp: 607606
Ion Ratio Lower Upper
105 100
120 24.9 20.6 30.8





#63
1,1,2,2-Tetrachloroethane
Concen: 8.990 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

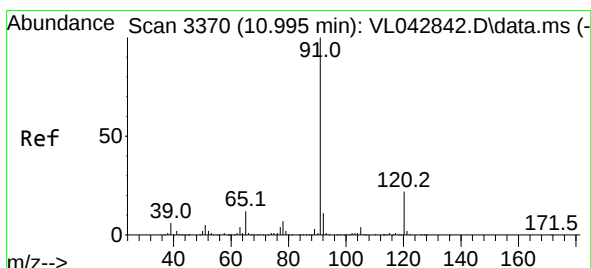
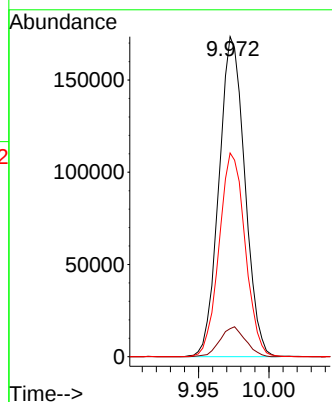
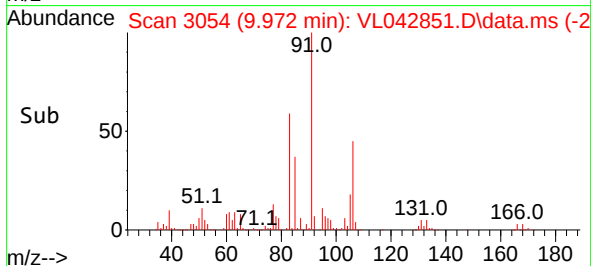
Instrument : MSVOA_L
ClientSampleId : VL0813ABS01



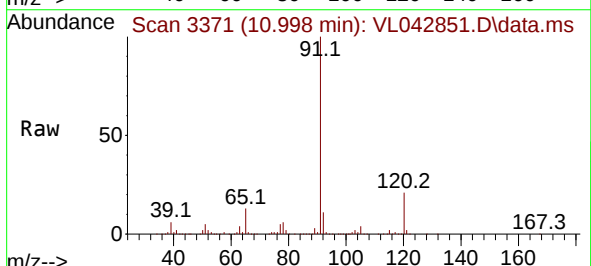
Tgt Ion: 83 Resp: 221710
Ion Ratio Lower Upper
83 100
131 9.3 4.8 14.3
85 64.1 32.3 96.8

Manual Integrations
APPROVED

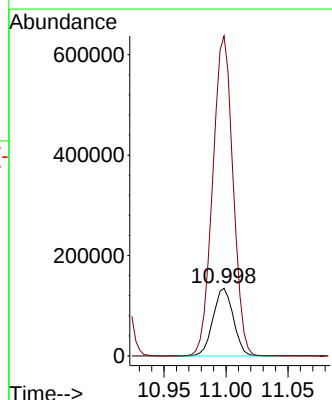
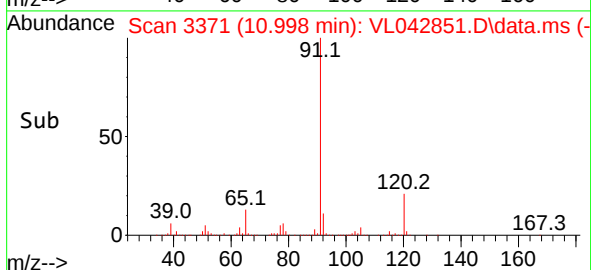
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

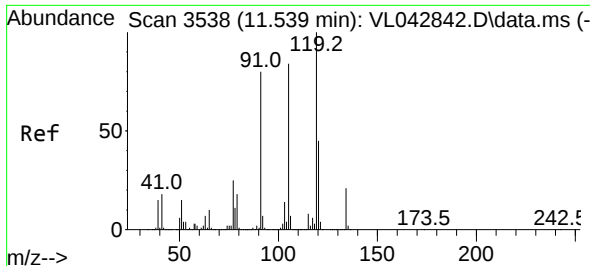


#64
n-propylbenzene
Concen: 9.205 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32



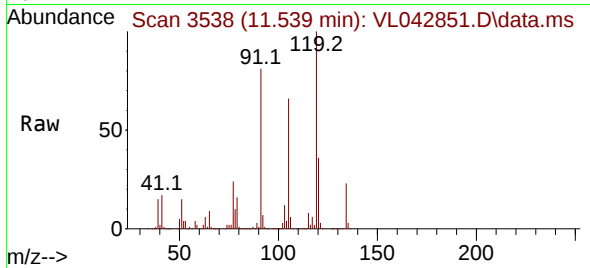
Tgt Ion:120 Resp: 153914
Ion Ratio Lower Upper
120 100
91 475.5 375.8 563.6





#65
tert-Butylbenzene
Concen: 8.983 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

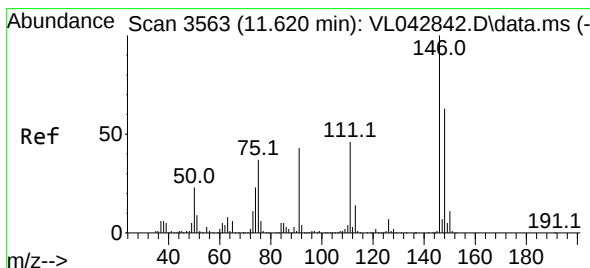
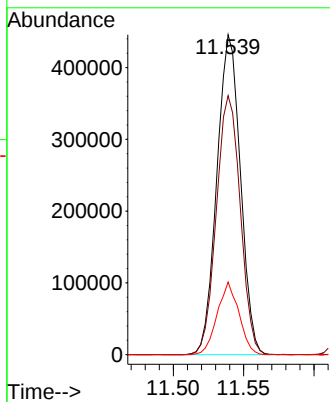
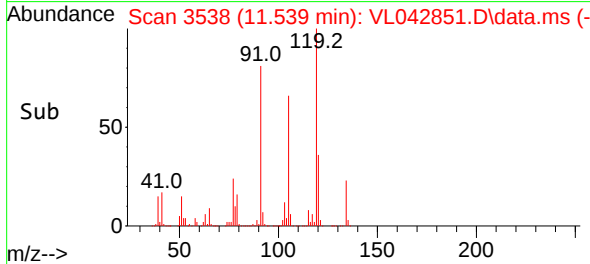
Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01



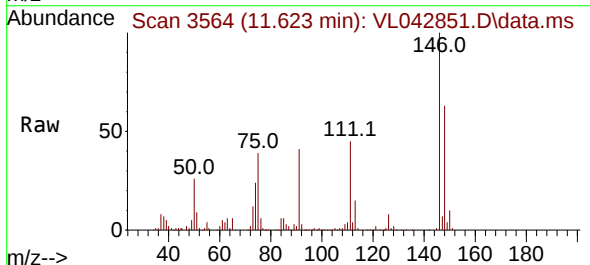
Tgt Ion: 119 Resp: 518992
Ion Ratio Lower Upper
119 100
91 82.2 63.9 95.9
134 21.0 17.0 25.4

Manual Integrations
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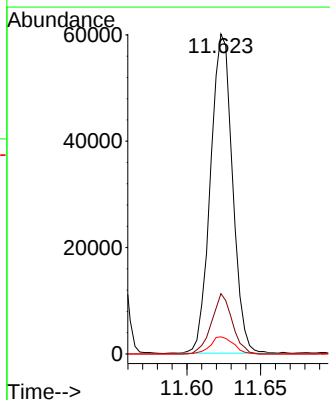
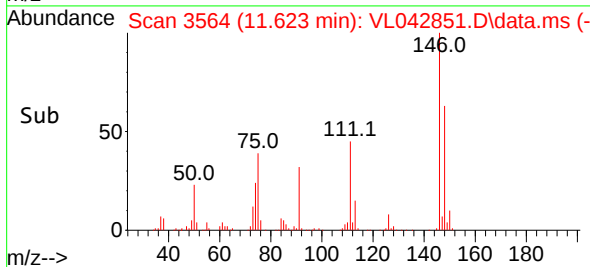
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

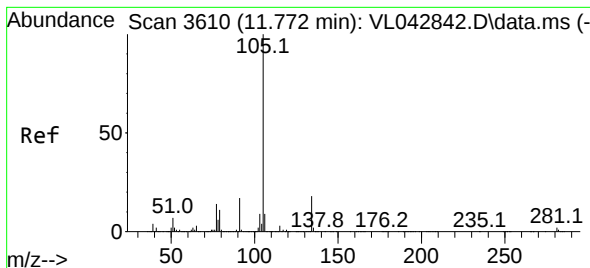


#66
Benzyl Chloride
Concen: 8.494 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32



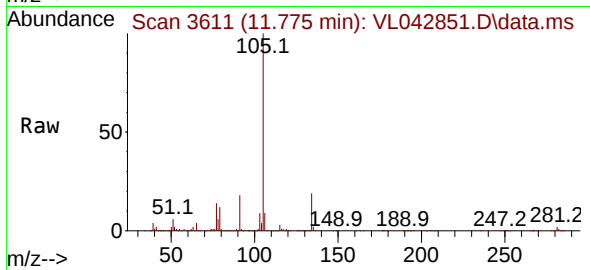
Tgt Ion: 91 Resp: 62299
Ion Ratio Lower Upper
91 100
126 17.7 14.2 21.4
128 5.7 5.0 7.6





#67
 sec-Butylbenzene
 Concen: 9.141 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. 0.003 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

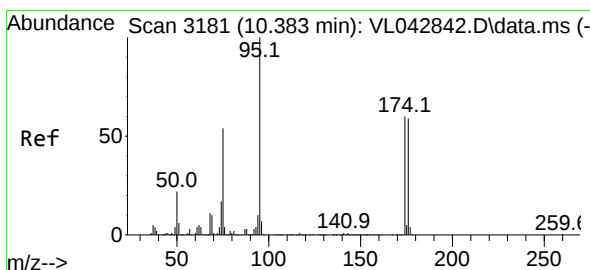
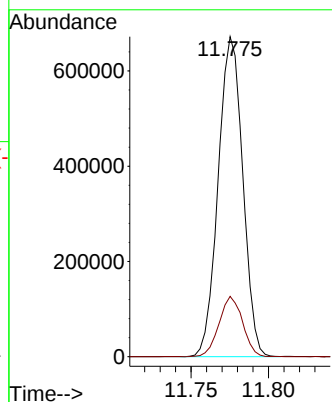
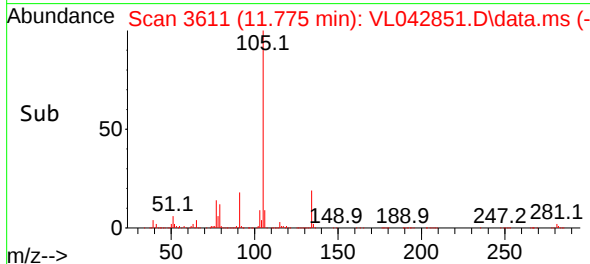
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01



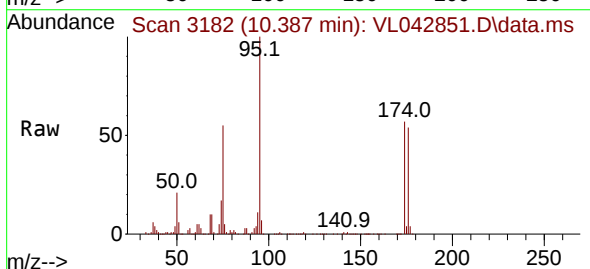
Tgt Ion:105 Resp: 741280
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.9 22.3

Manual Integrations
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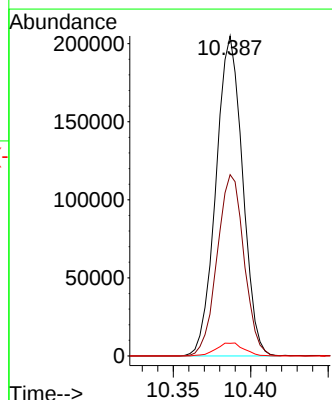
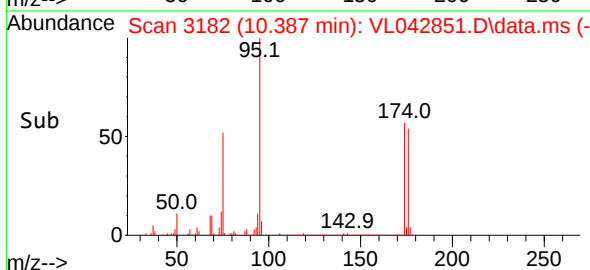
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

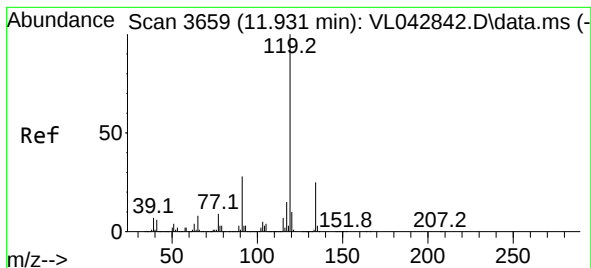


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.134 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. 0.003 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32



Tgt Ion: 95 Resp: 244955
 Ion Ratio Lower Upper
 95 100
 174 57.3 48.4 72.6
 175 4.2 3.8 5.8





#69

p-Isopropyltoluene

Concen: 8.795 ppbv

RT: 11.934 min Scan# 3659

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

ClientSampleId :

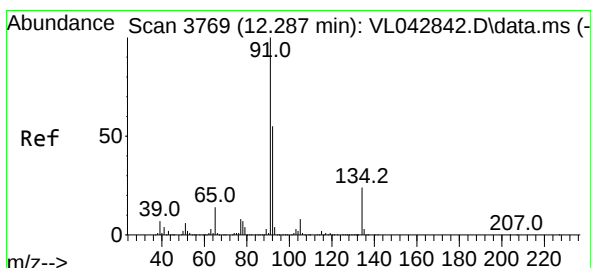
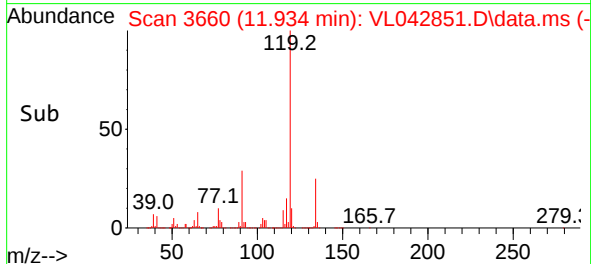
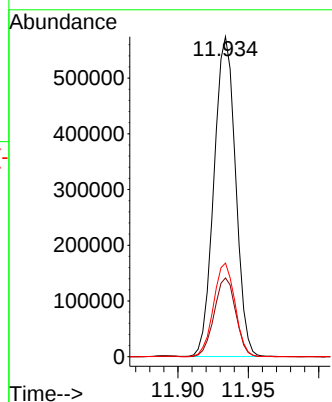
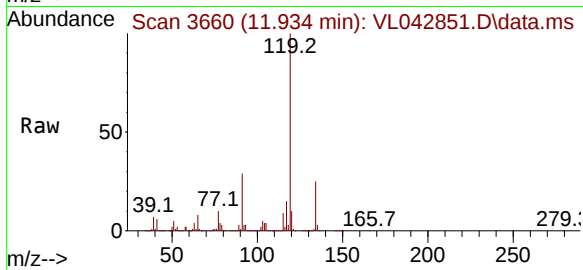
VL0813ABS01

Tgt Ion:	119	Resp:	612310
Ion	Ratio	Lower	Upper
119	100		
134	24.7	20.6	30.8
91	29.3	22.6	34.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#70

n-Butylbenzene

Concen: 9.122 ppbv

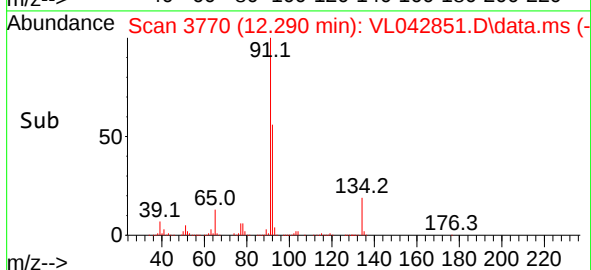
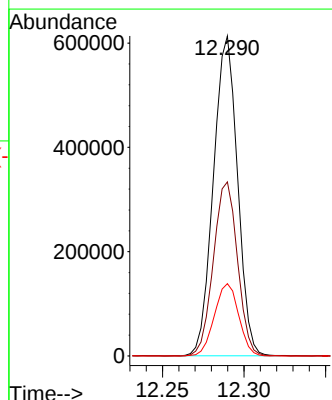
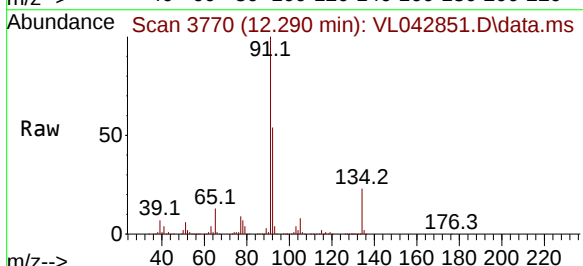
RT: 12.290 min Scan# 3770

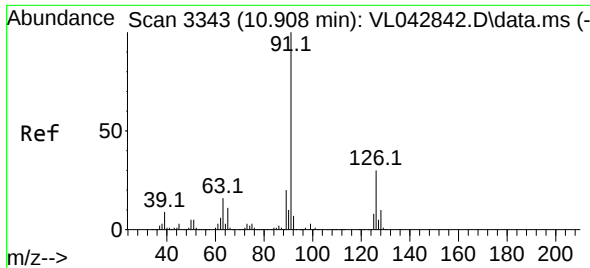
Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Tgt Ion:	91	Resp:	629840
Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.6	66.8
134	22.9	19.0	28.4





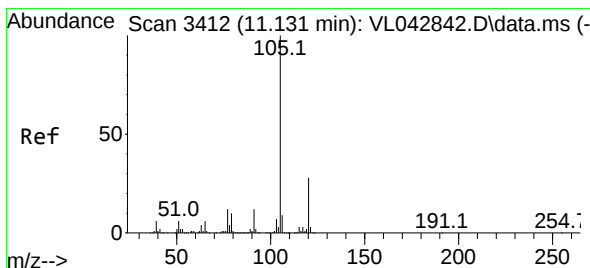
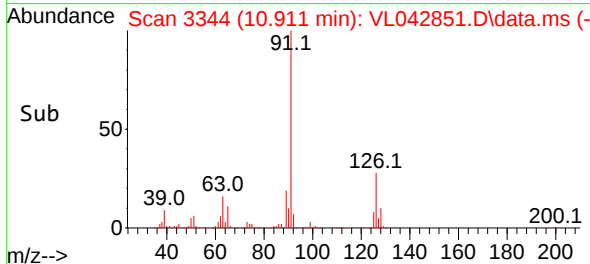
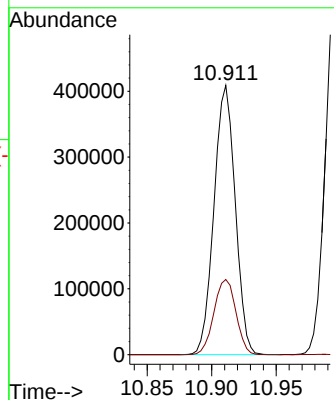
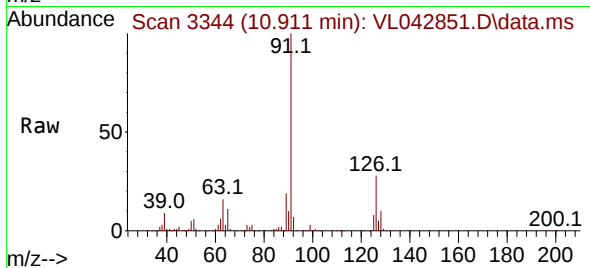
#71
2-Chlorotoluene
Concen: 9.188 ppbv
RT: 10.911 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 91 Resp: 467569
Ion Ratio Lower Upper
91 100
126 28.9 12.0 47.8

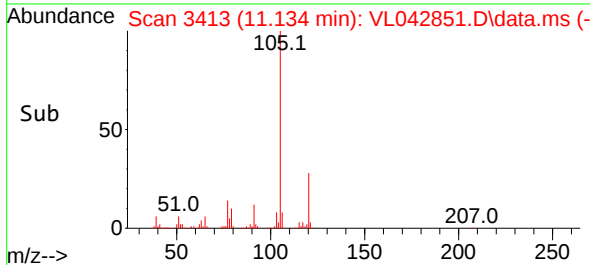
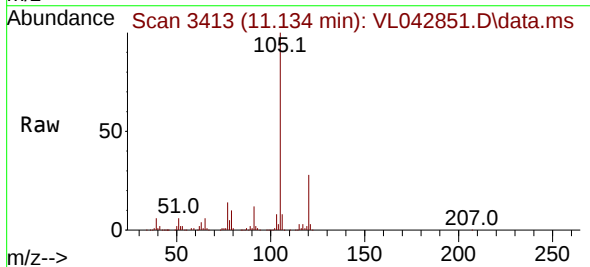
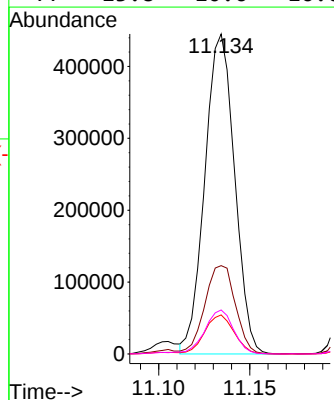
Manual Integrations
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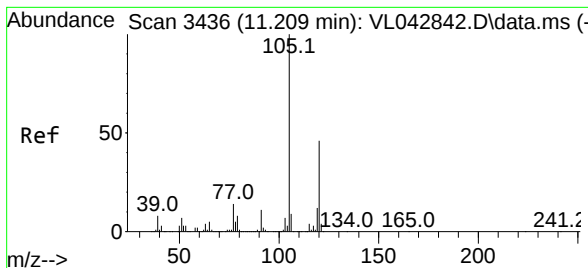
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#72
4-Ethyltoluene
Concen: 9.297 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:105 Resp: 505391
Ion Ratio Lower Upper
105 100
120 29.5 23.4 35.2
91 12.6 9.8 14.6
77 13.8 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 9.210 ppbv

RT: 11.212 min Scan# 3437

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

Tgt Ion:105 Resp: 425759

Ion Ratio Lower Upper

105 100

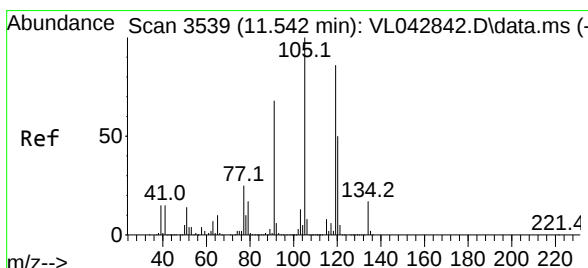
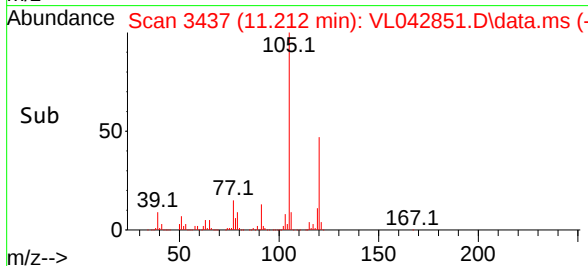
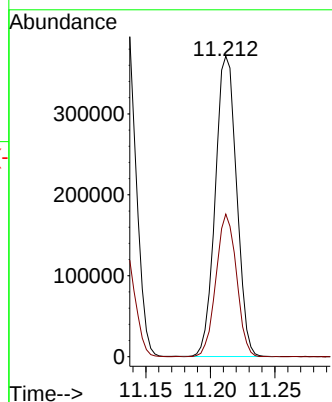
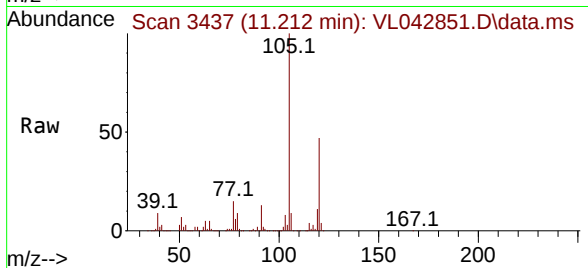
120 47.5 36.6 54.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#74

1,2,4-Trimethylbenzene

Concen: 9.005 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Tgt Ion:105 Resp: 456933

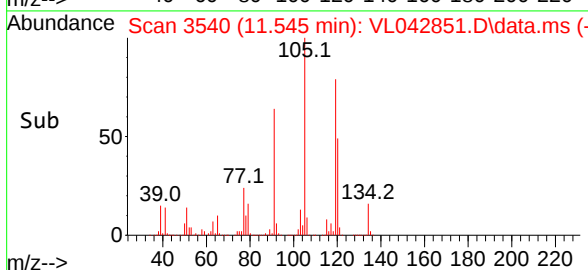
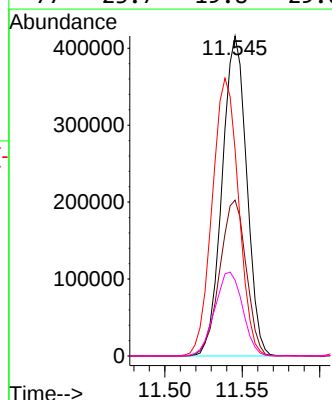
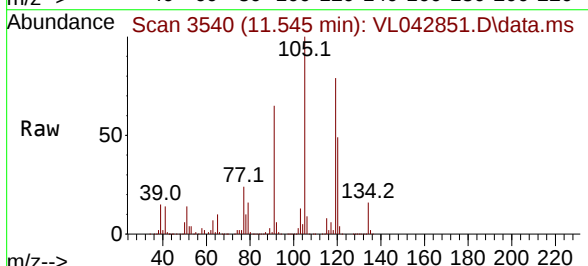
Ion Ratio Lower Upper

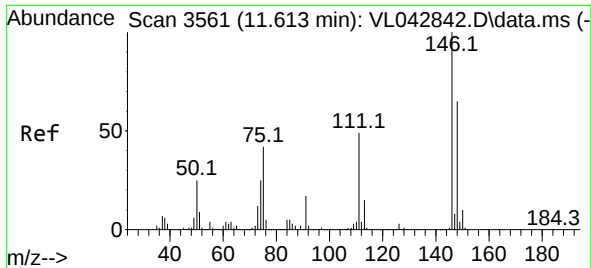
105 100

120 48.7 39.8 59.6

91 64.5 54.2 81.4

77 23.7 19.8 29.6





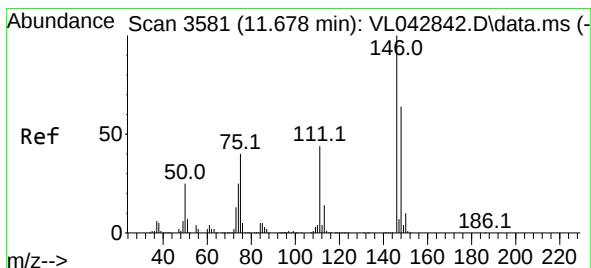
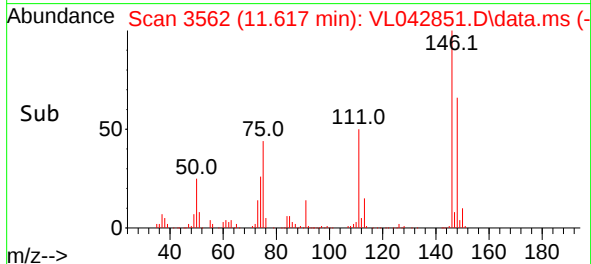
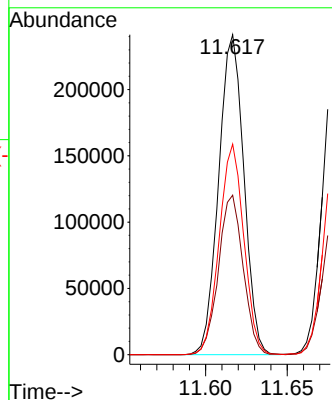
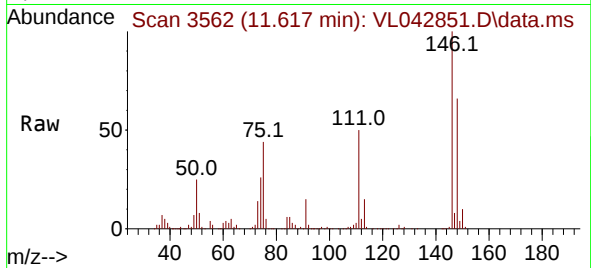
#75
1,3-Dichlorobenzene
Concen: 8.997 ppbv
RT: 11.617 min Scan# 3561
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion:146 Resp: 25954
Ion Ratio Lower Upper
146 100
111 48.9 23.9 71.7
148 64.2 31.4 94.0

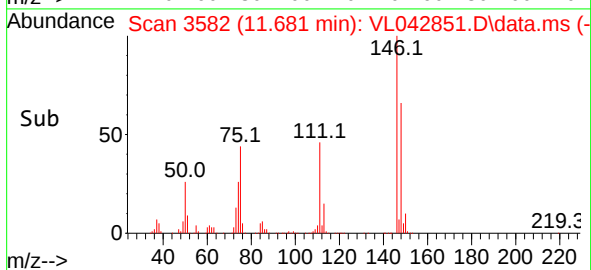
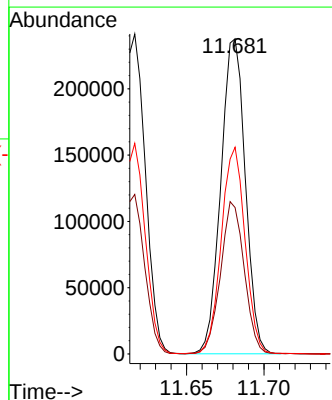
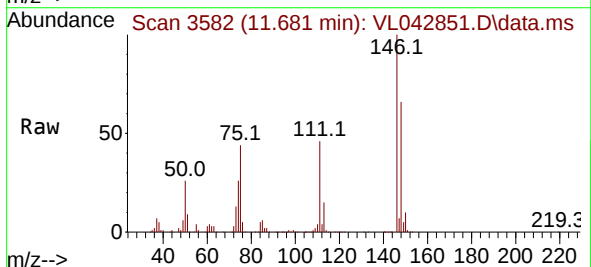
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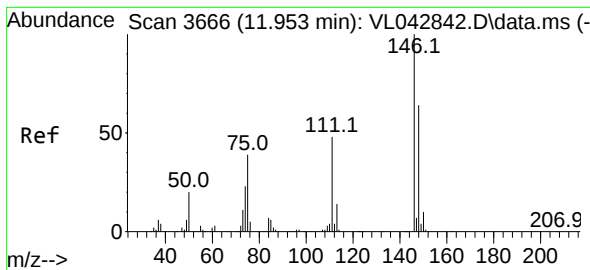
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#76
1,4-Dichlorobenzene
Concen: 8.957 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:146 Resp: 261302
Ion Ratio Lower Upper
146 100
111 46.8 22.7 68.1
148 64.1 31.8 95.3





#77

1,2-Dichlorobenzene

Concen: 8.866 ppbv

RT: 11.956 min Scan# 30

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

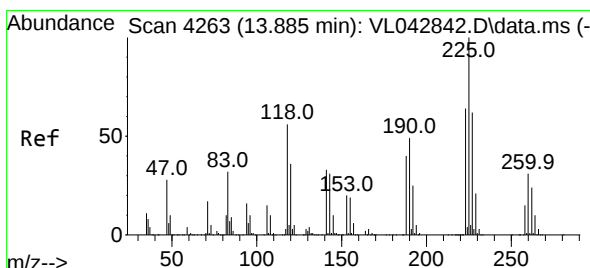
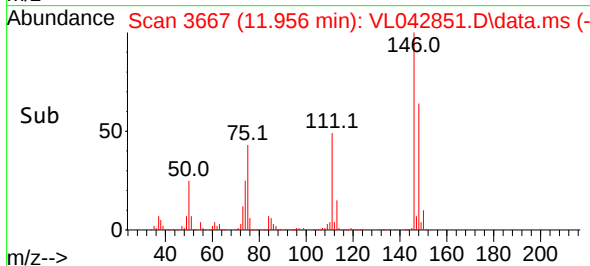
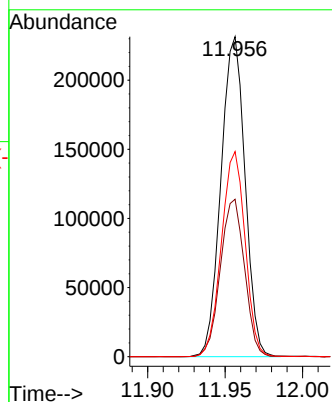
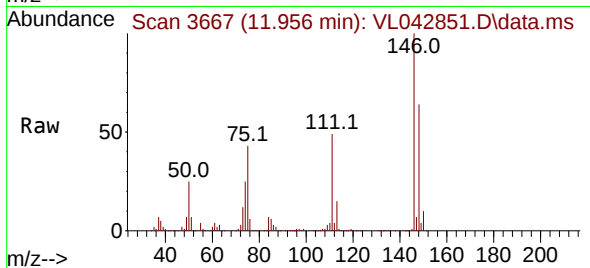
Tgt Ion:146 Resp: 25043

Ion	Ratio	Lower	Upper
146	100		
111	49.6	24.6	74.0
148	63.1	32.0	96.0

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Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#78

Hexachloro-1,3-Butadiene

Concen: 7.488 ppbv

RT: 13.889 min Scan# 4264

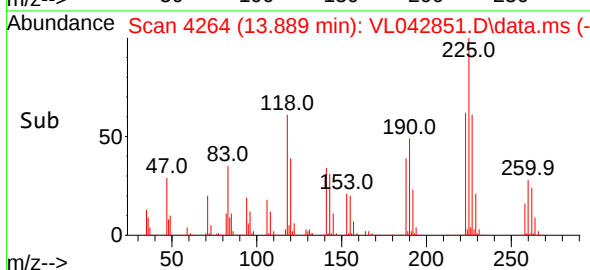
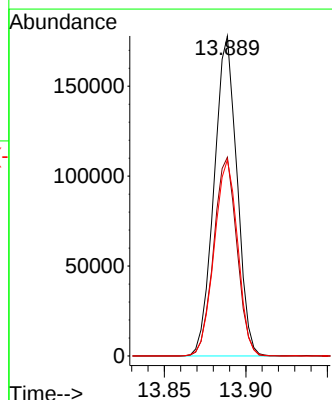
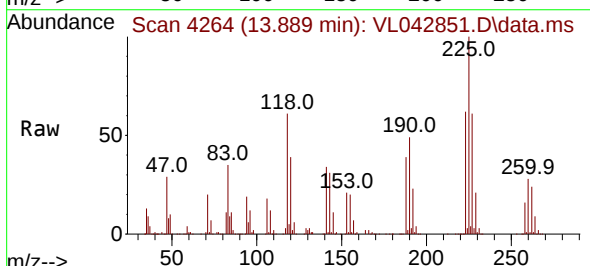
Delta R.T. 0.003 min

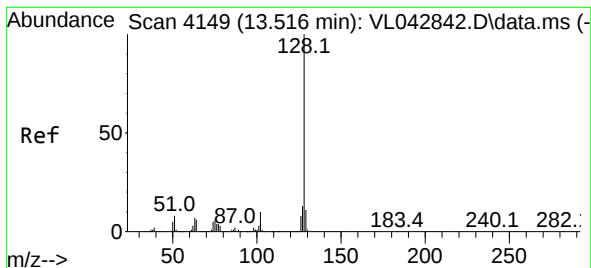
Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Tgt Ion:225 Resp: 173363

Ion	Ratio	Lower	Upper
225	100		
223	63.0	51.4	77.2
227	63.0	51.9	77.9





#79

Naphthalene

Concen: 8.930 ppbv

RT: 13.520 min Scan# 4149

Delta R.T. 0.003 min

Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_L

ClientSampleId :

VL0813ABS01

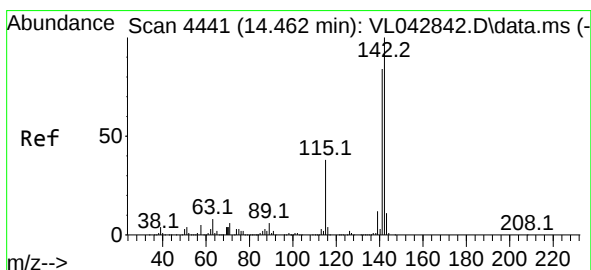
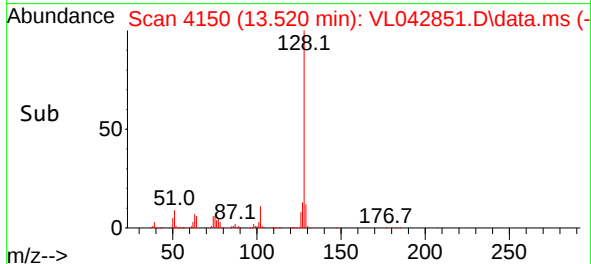
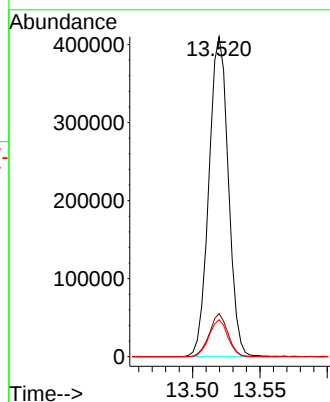
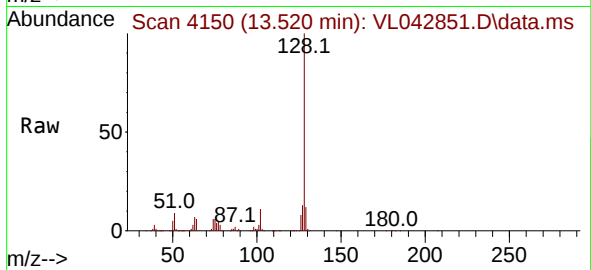
Tgt Ion:128 Resp: 410790

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	11.5	8.9	13.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#80

Naphthalene,2-methyl-

Concen: 8.473 ppbv

RT: 14.462 min Scan# 4441

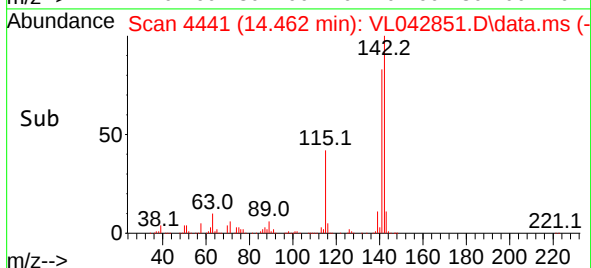
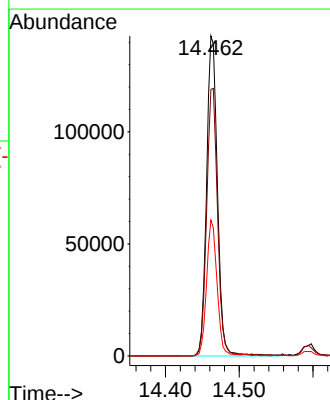
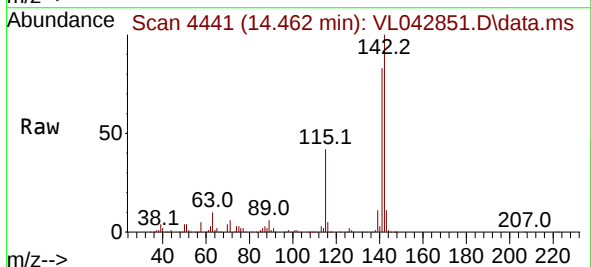
Delta R.T. -0.000 min

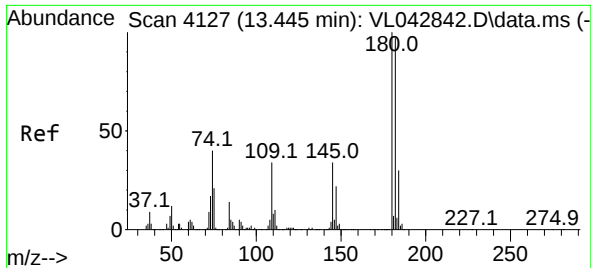
Lab File: VL042851.D

Acq: 13 Aug 2025 14:32

Tgt Ion:142 Resp: 145644

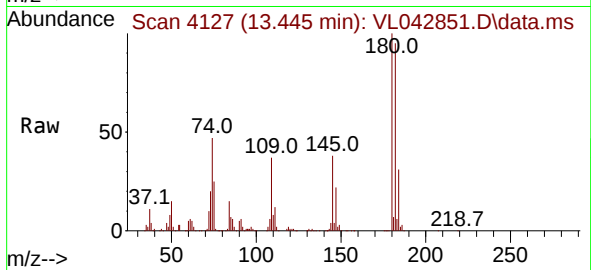
Ion	Ratio	Lower	Upper
142	100		
141	84.8	67.0	100.6
115	41.7	30.9	46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 8.824 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042851.D
 Acq: 13 Aug 2025 14:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01



Tgt Ion:180 Resp: 204023
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.9 115.3
 184 30.0 24.5 36.7

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

