

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082625\
 Data File : VL042886.D
 Acq On : 26 Aug 2025 15:50
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/27/2025
 Supervised By :Mahesh Dadoda 08/27/2025

Quant Time: Aug 27 01:12:50 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 27 01:12:50 2025

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

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	119838	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	343725	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	293803	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 229118 10.398 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	177716	10.119	ppbv	99
3) Chlorodifluoromethane	1.476	51	206222	10.623	ppbv	99
4) Chloromethane	1.534	50	67937	9.586	ppbv	97
5) Vinyl Chloride	1.583	62	65534	9.389	ppbv	98
6) Bromomethane	1.670	94	25248	9.046	ppbv	94
7) Chloroethane	1.706	64	26522	9.730	ppbv	92
8) Dichlorotetrafluoroethane	1.557	85	146130	10.168	ppbv	96
9) Propene	1.482	41	81402	9.709	ppbv	98
10) Heptane	4.991	43	219082	9.756	ppbv	99
11) Trichlorofluoromethane	1.881	101	168646	9.732	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	137183	9.933	ppbv	96
13) Ethanol	1.725	45	6570	8.570	ppbv	95
14) Bromoethene	1.784	108	49308	9.862	ppbv	99
15) Acetone	1.839	43	130936	8.260	ppbv	99
16) 1,3-Butadiene	1.612	39	65151	9.066	ppbv	98
17) tert-Butyl alcohol	2.046	59	159435	8.481	ppbv	98
18) 1,1-Dichloroethene	2.036	96	61352	10.104	ppbv	94
19) Isopropyl Alcohol	1.890	45	82193	8.681	ppbv	93
20) Methylene Chloride	2.065	84	53188	8.009	ppbv	89
21) Allyl Chloride	2.101	41	107775	9.624	ppbv	97
22) trans-1,2-Dichloroethene	2.343	96	69298	9.865	ppbv	94
23) Vinyl Acetate	2.466	43	219593	10.075	ppbv	98
24) 1,1-Dichloroethane	2.415	63	136302	9.716	ppbv	98
25) Ethyl Acetate	2.842	43	390820	10.186	ppbv	98
26) Hexane	2.832	57	176610	9.973	ppbv	95
27) Carbon Disulfide	2.152	76	172568	10.013	ppbv	100
28) Methyl tert-Butyl Ether	2.444	73	83267	9.221	ppbv	92
29) Chloroform	2.855	83	266183	10.528	ppbv	99
30) Cyclohexane	3.865	84	146992	9.467	ppbv	98
31) cis-1,2-Dichloroethene	2.725	61	178570	10.095	ppbv	96
32) 1,1,1-Trichloroethane	3.376	97	262520	9.824	ppbv	98
34) 2-Butanone	2.560	43	251560	10.839	ppbv	99
35) Carbon Tetrachloride	3.771	117	262082	11.060	ppbv	100
36) Benzene	3.664	78	354386	10.767	ppbv	97
37) 1,2-Dichloroethane	3.227	62	206853	12.029	ppbv	98
38) Trichloroethene	4.557	130	149289	9.931	ppbv	94
39) 1,2-Dichloropropane	4.321	63	130948	10.893	ppbv	95
40) 1,4-Dioxane	4.590	88	56754	9.928	ppbv #	80
41) Tetrahydrofuran	3.059	42	141034	10.899	ppbv	99
42) Bromodichloromethane	4.499	83	293061	11.437	ppbv	99
43) Methyl Methacrylate	4.894	69	138129	10.187	ppbv	97
44) 2,2,4-Trimethylpentane	4.648	57	598780	10.718	ppbv	99
45) t-1,3-Dichloropropene	6.425	75	153521	10.033	ppbv	100

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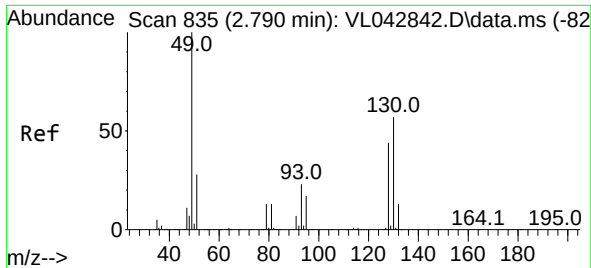
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 27 2025

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

Response via : Initial Calibration

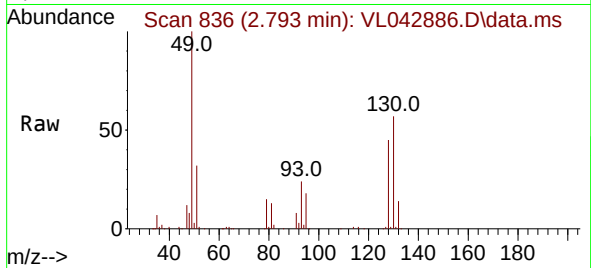
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.612	75	201538	10.570	ppbv	97
47) 1,1,2-Trichloroethane	6.596	97	138328	10.861	ppbv	92
48) Dibromochloromethane	7.396	129	222764	10.808	ppbv	100
49) Bromoform	9.493	173	179757	10.576	ppbv	99
50) 4-Methyl-2-Pentanone	5.761	43	339938	10.836	ppbv	98
51) 2-Hexanone	7.444	43	270675	10.965	ppbv #	96
52) Tetrachloroethene	8.237	164	108838	9.140	ppbv	95
53) Toluene	6.946	91	399323	10.205	ppbv	99
54) 1,2-Dibromoethane	7.664	107	199098	10.696	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.933	131	163380	10.753	ppbv	99
57) Chlorobenzene	8.930	112	298574	10.688	ppbv	99
58) Ethyl Benzene	9.364	91	551412	10.635	ppbv	99
59) m/p-Xylene	9.558	91	888006m	21.851	ppbv	
60) o-Xylene	9.972	91	439486	10.751	ppbv	99
61) Styrene	9.878	104	192217	10.036	ppbv	98
62) Isopropylbenzene	10.548	105	634755	10.625	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.972	83	246707	10.974	ppbv	99
64) n-propylbenzene	10.995	120	159751	10.480	ppbv	91
65) tert-Butylbenzene	11.539	119	545223	10.352	ppbv	96
66) Benzyl Chloride	11.623	91	47994	7.178	ppbv	96
67) sec-Butylbenzene	11.775	105	794868	10.752	ppbv	98
69) p-Isopropyltoluene	11.934	119	646050	10.179	ppbv	97
70) n-Butylbenzene	12.286	91	694190	11.028	ppbv	97
71) 2-Chlorotoluene	10.908	91	493514	10.638	ppbv	97
72) 4-Ethyltoluene	11.131	105	538175	10.860	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	443582	10.526	ppbv	99
74) 1,2,4-Trimethylbenzene	11.545	105	493535	10.669	ppbv	91
75) 1,3-Dichlorobenzene	11.613	146	283101	10.766	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	277550	10.436	ppbv	99
77) 1,2-Dichlorobenzene	11.956	146	270285	10.497	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	169181	8.016	ppbv	98
79) Naphthalene	13.520	128	431407	10.287	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	127685	8.148	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	208509	9.892	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
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Acq: 26 Aug 2025 15:50

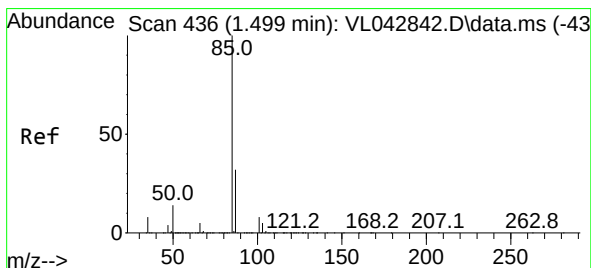
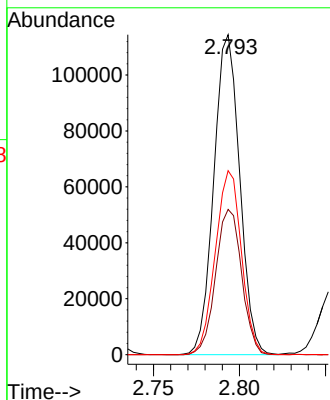
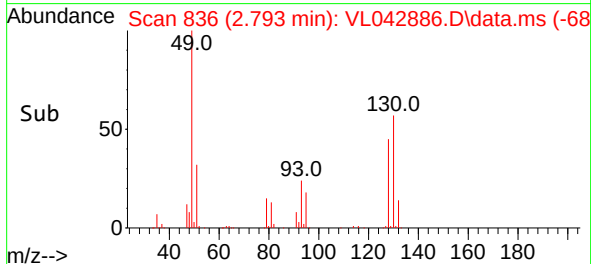
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 49 Resp: 119838
Ion Ratio Lower Upper
49 100
128 45.6 23.7 71.1
130 58.0 30.6 91.6

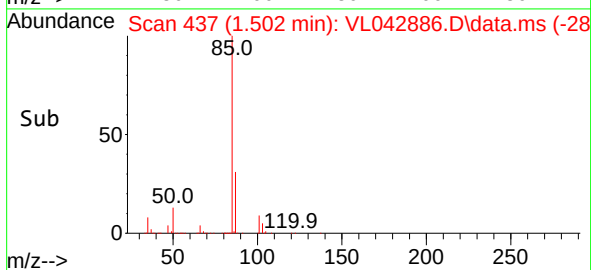
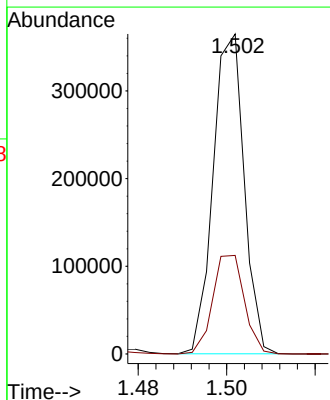
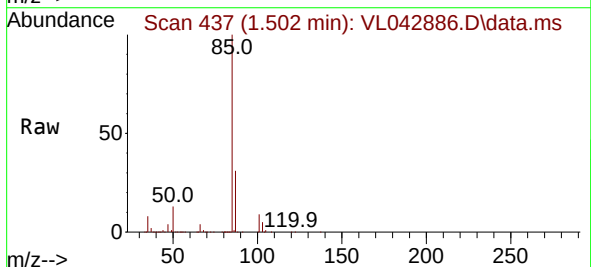
Manual Integrations
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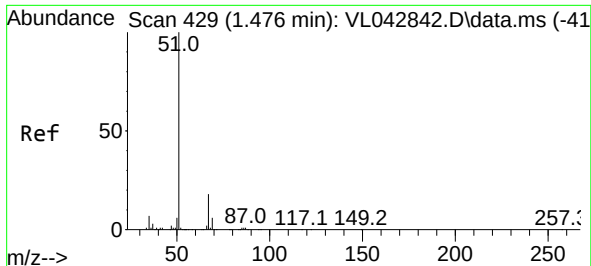
Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025



#2
Dichlorodifluoromethane
Concen: 10.119 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

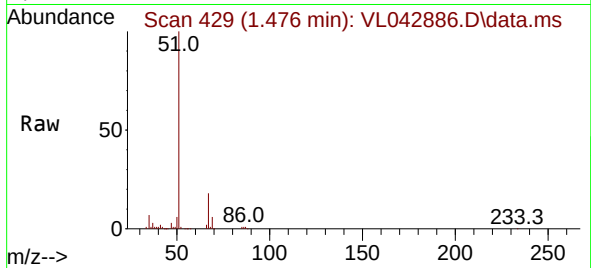
Tgt Ion: 85 Resp: 177716
Ion Ratio Lower Upper
85 100
87 30.8 25.3 37.9





#3
Chlorodifluoromethane
Concen: 10.623 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

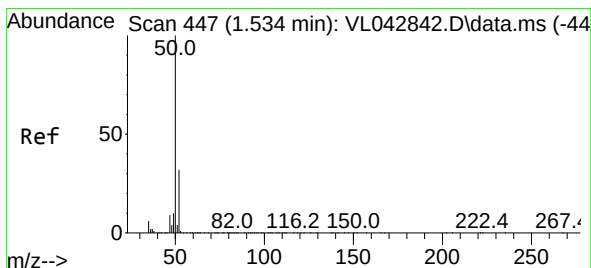
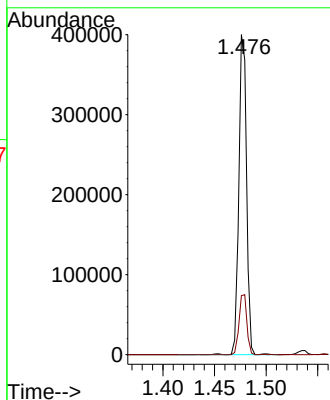
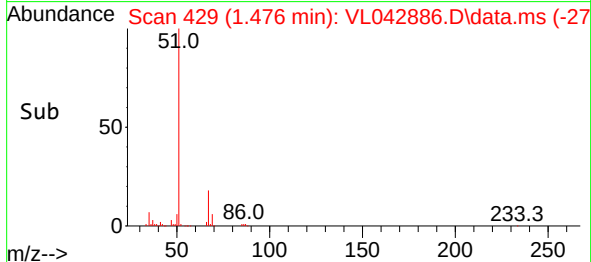
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



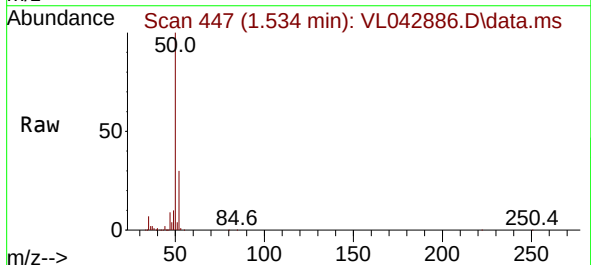
Tgt Ion: 51 Resp: 20622
Ion Ratio Lower Upper
51 100
67 19.1 14.9 22.3

Manual Integrations
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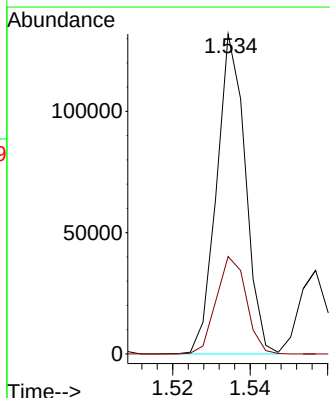
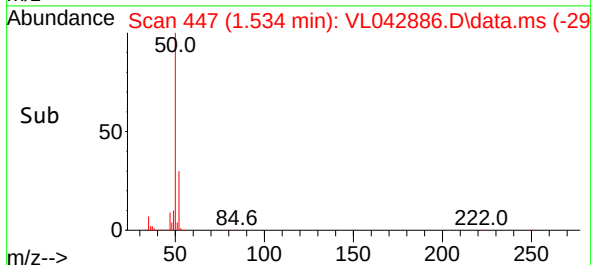
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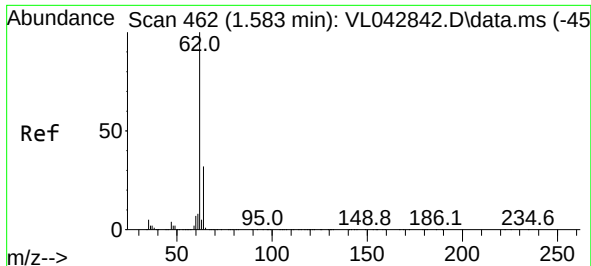


#4
Chloromethane
Concen: 9.586 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50



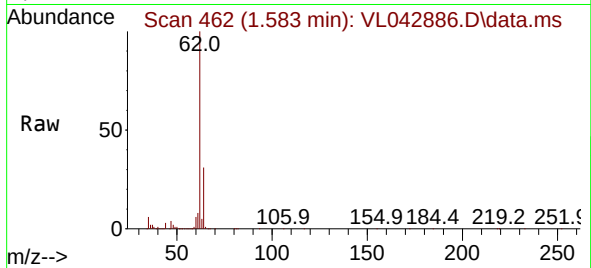
Tgt Ion: 50 Resp: 67937
Ion Ratio Lower Upper
50 100
52 30.5 25.9 38.9





#5
 Vinyl Chloride
 Concen: 9.389 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL042886.D
 Acq: 26 Aug 2025 15:50

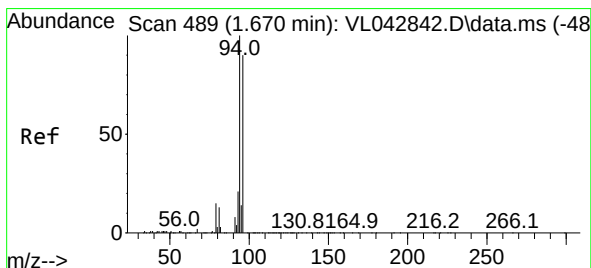
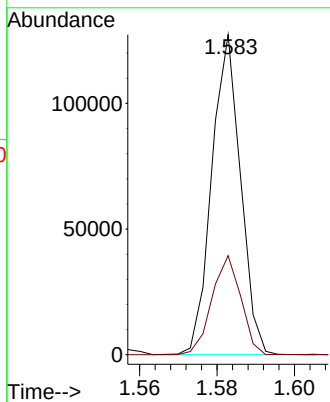
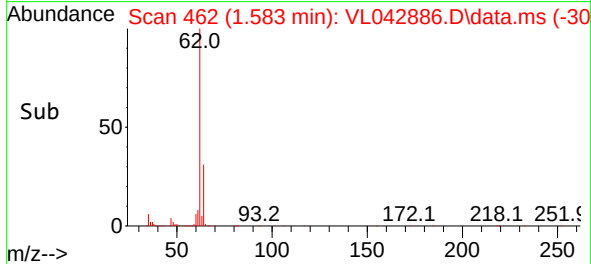
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



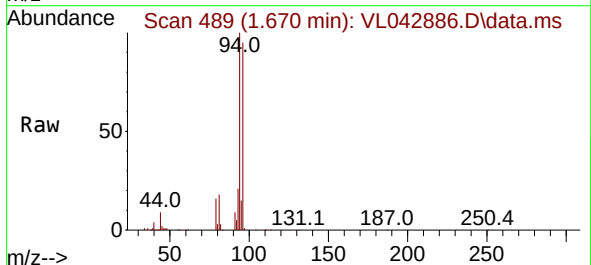
Tgt Ion: 62 Resp: 65534
 Ion Ratio Lower Upper
 62 100
 64 31.0 25.4 38.2

Manual Integrations
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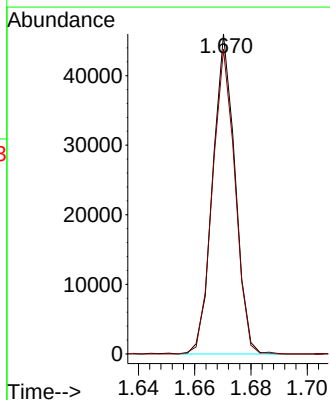
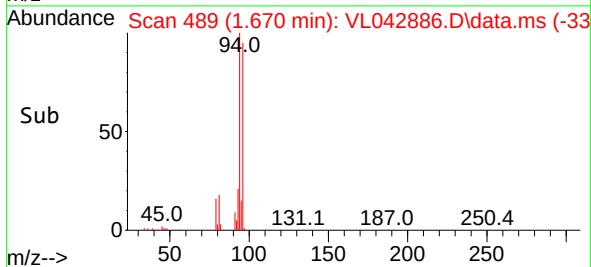
Reviewed By :Semsettin Yesilyurt 08/27/2025
 Supervised By :Mahesh Dadoda 08/27/2025

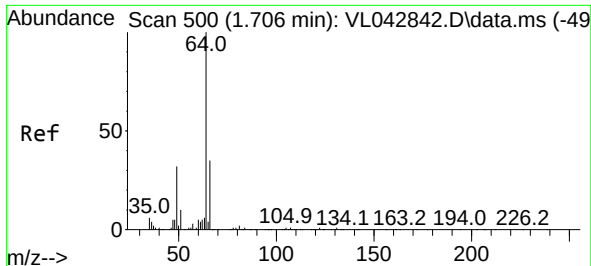


#6
 Bromomethane
 Concen: 9.046 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL042886.D
 Acq: 26 Aug 2025 15:50



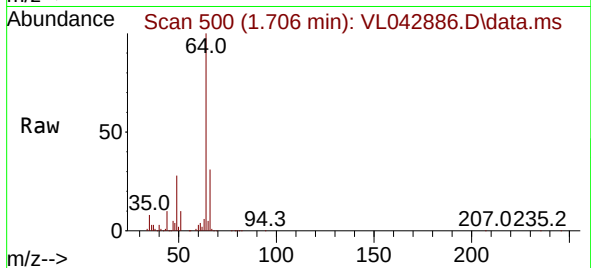
Tgt Ion: 94 Resp: 25248
 Ion Ratio Lower Upper
 94 100
 96 95.3 72.1 108.1





#7
Chloroethane
Concen: 9.730 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

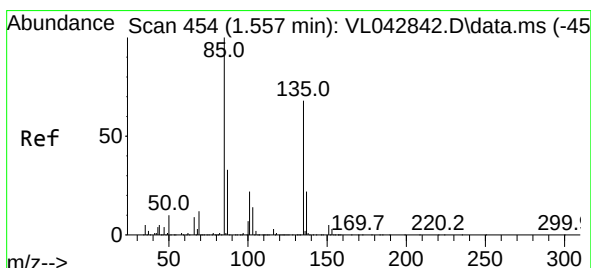
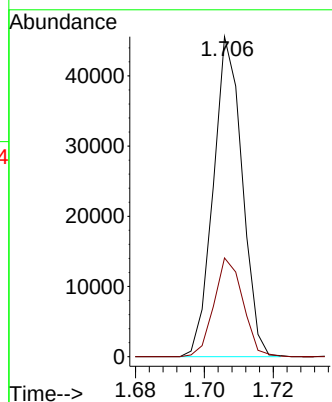
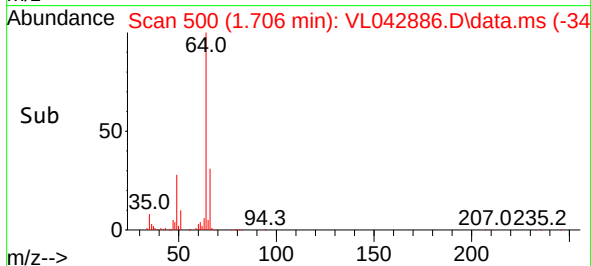
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



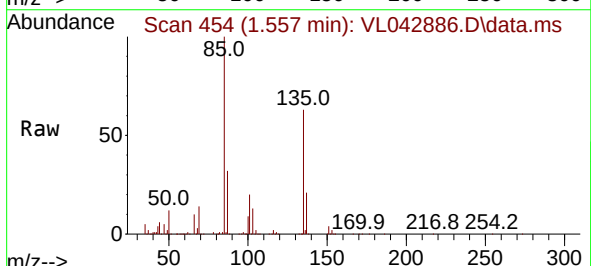
Tgt Ion: 64 Resp: 2652
Ion Ratio Lower Upper
64 100
66 30.9 28.6 42.8

Manual Integrations
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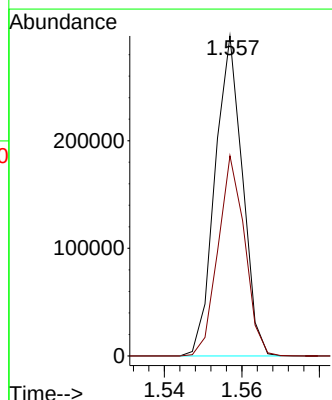
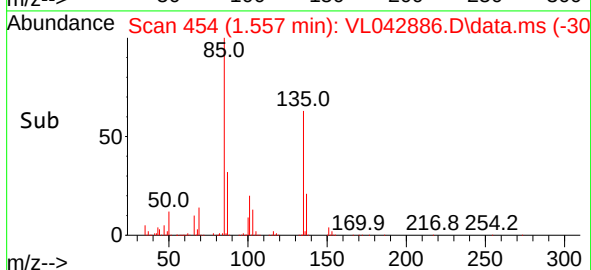
Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

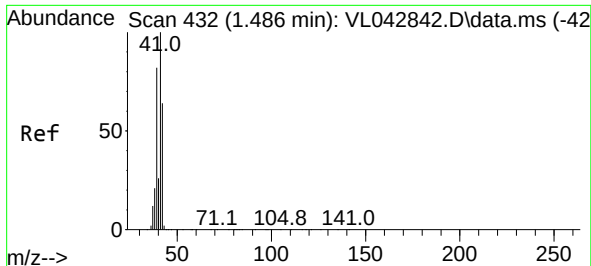


#8
Dichlorotetrafluoroethane
Concen: 10.168 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50



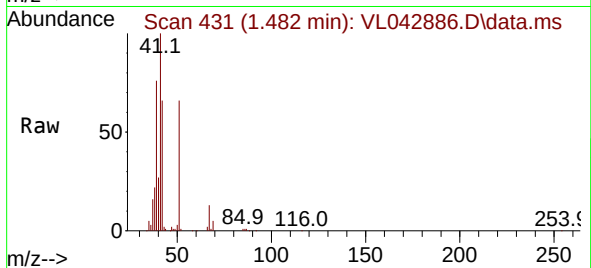
Tgt Ion: 85 Resp: 146130
Ion Ratio Lower Upper
85 100
135 61.0 51.2 76.8





#9
 Propene
 Concen: 9.709 ppbv
 RT: 1.482 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042886.D
 Acq: 26 Aug 2025 15:50

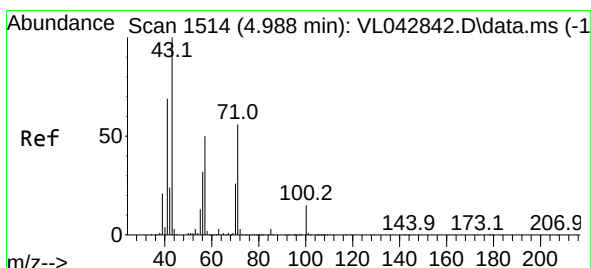
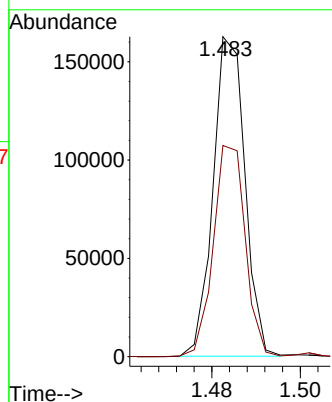
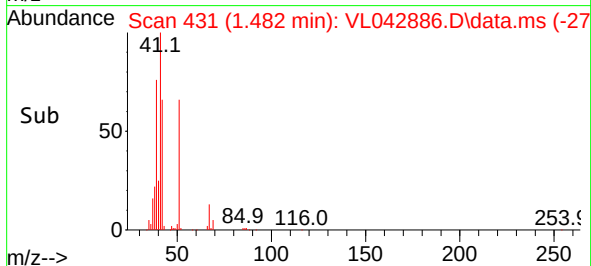
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



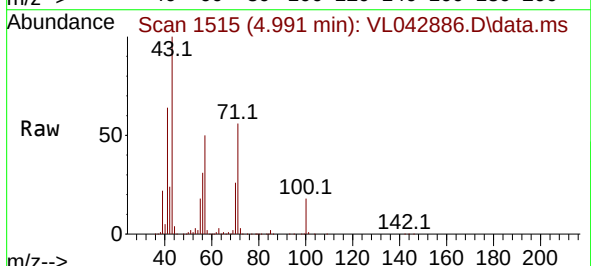
Tgt Ion: 41 Resp: 81402
 Ion Ratio Lower Upper
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 42 67.8 53.0 79.4

Manual Integrations
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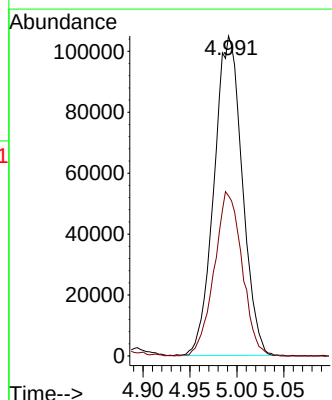
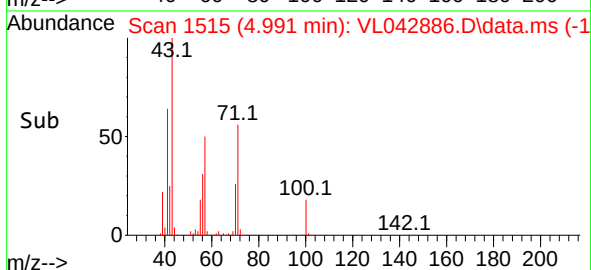
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 Supervised By :Mahesh Dadoda 08/27/2025

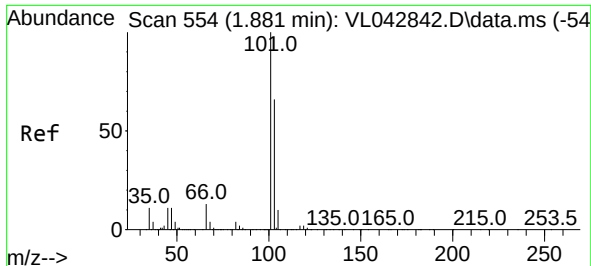


#10
 Heptane
 Concen: 9.756 ppbv
 RT: 4.991 min Scan# 1515
 Delta R.T. 0.003 min
 Lab File: VL042886.D
 Acq: 26 Aug 2025 15:50



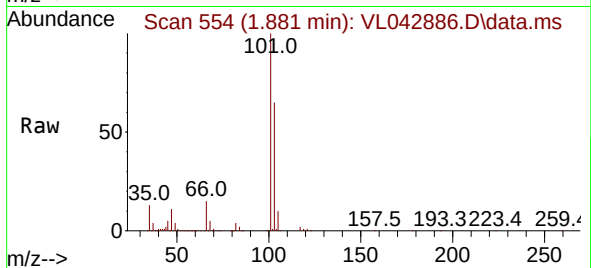
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 Ion Ratio Lower Upper
 43 100
 57 50.8 41.4 62.0





#11
 Trichlorofluoromethane
 Concen: 9.732 ppbv
 RT: 1.881 min Scan# 554
 Delta R.T. -0.000 min
 Lab File: VL042886.D
 Acq: 26 Aug 2025 15:50

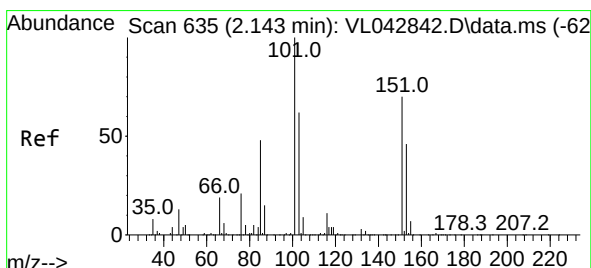
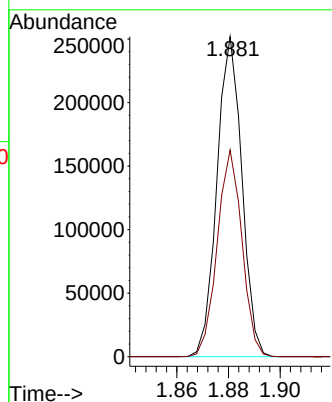
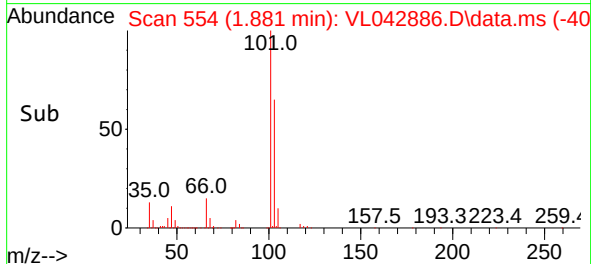
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



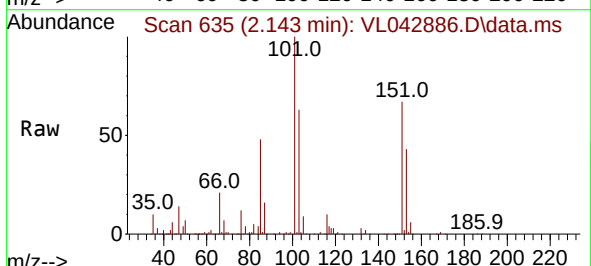
Tgt Ion:101 Resp: 168640
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.5 78.7

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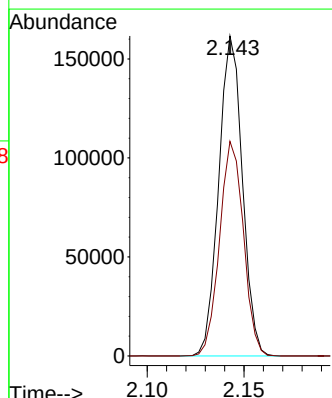
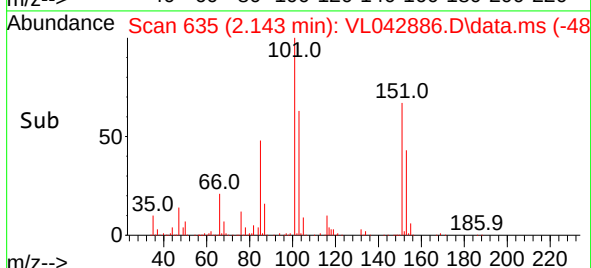
Reviewed By :Semsettin Yesilyurt 08/27/2025
 Supervised By :Mahesh Dadoda 08/27/2025

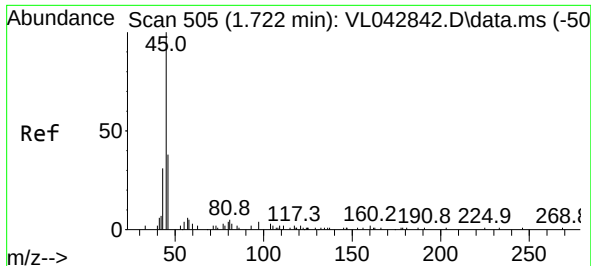


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.933 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: VL042886.D
 Acq: 26 Aug 2025 15:50



Tgt Ion:101 Resp: 137183
 Ion Ratio Lower Upper
 101 100
 151 67.6 56.4 84.6





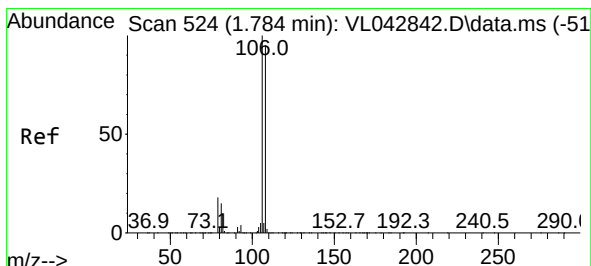
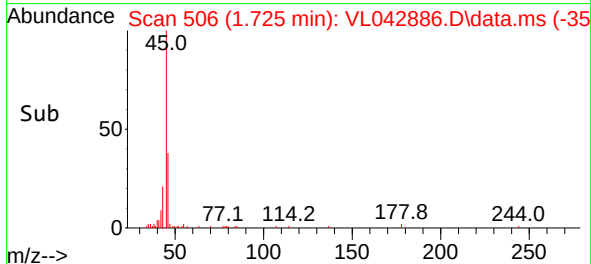
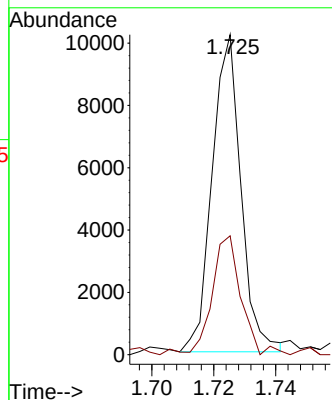
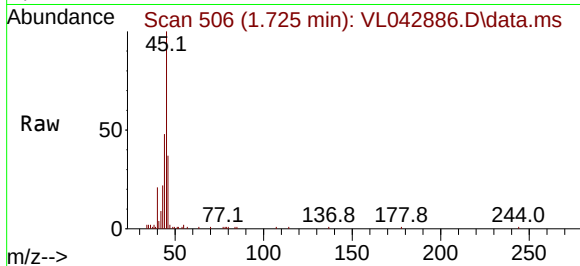
#13
Ethanol
Concen: 8.570 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 6570
Ion Ratio Lower Upper
45 100
46 40.5 17.5 69.9

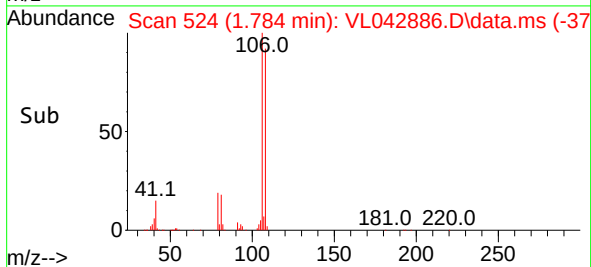
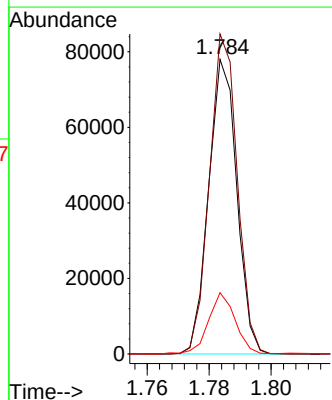
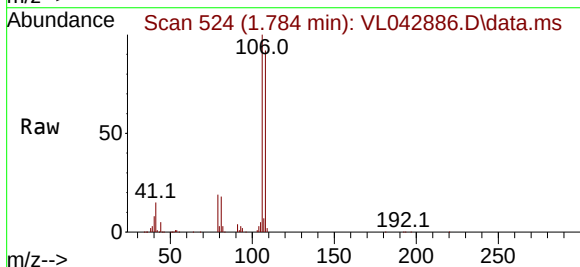
Manual Integrations
APPROVED

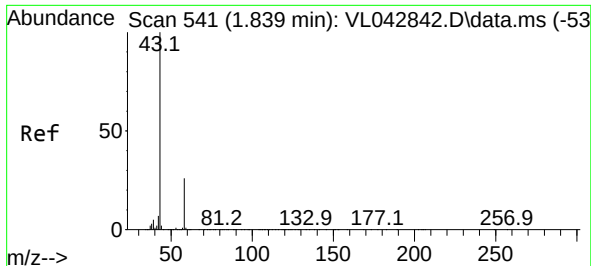
Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025



#14
Bromoethene
Concen: 9.862 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

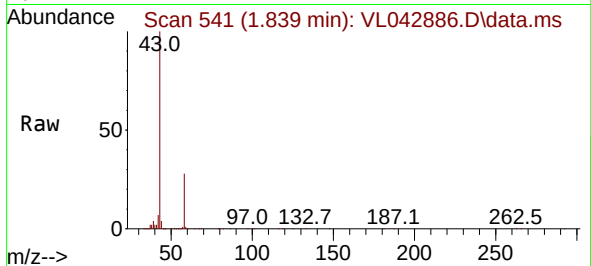
Tgt Ion:108 Resp: 49308
Ion Ratio Lower Upper
108 100
106 107.0 85.1 127.7
79 20.1 16.3 24.5





#15
Acetone
Concen: 8.260 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

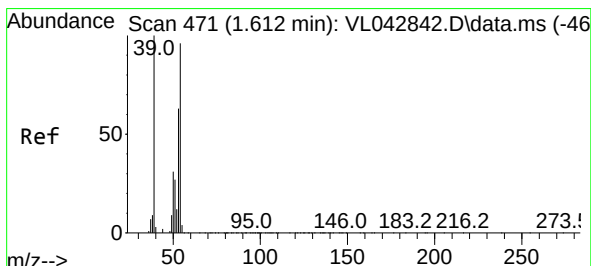
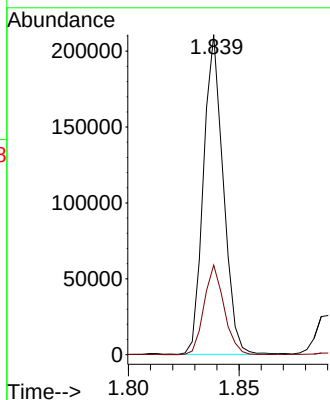
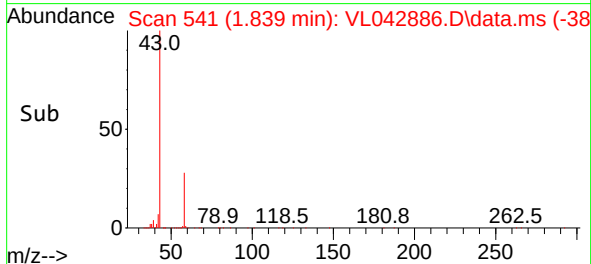
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



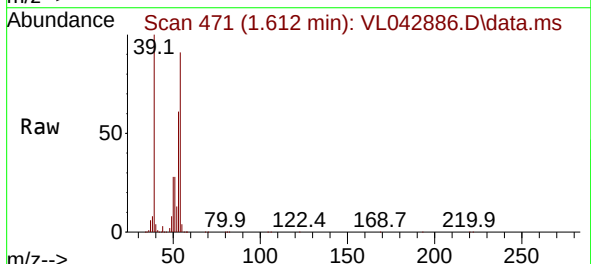
Tgt Ion: 43 Resp: 130930
Ion Ratio Lower Upper
43 100
58 28.4 22.4 33.6

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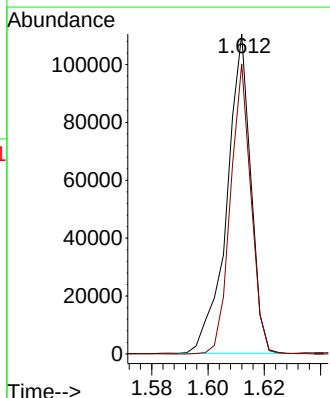
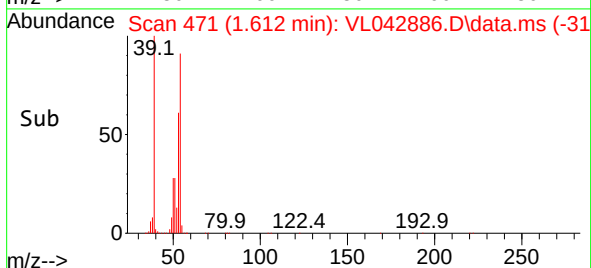
Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

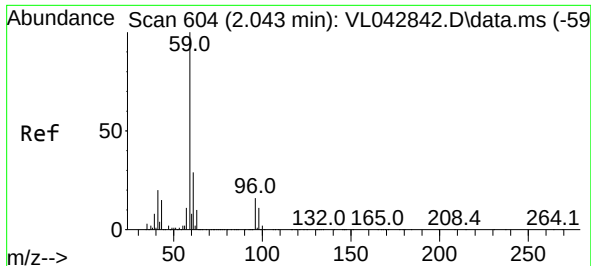


#16
1,3-Butadiene
Concen: 9.066 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50



Tgt Ion: 39 Resp: 65151
Ion Ratio Lower Upper
39 100
54 77.7 63.6 95.4





#17

tert-Butyl alcohol

Concen: 8.481 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 59 Resp: 15943

Ion Ratio Lower Upper

59 100

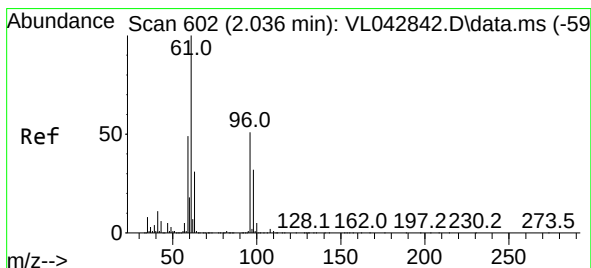
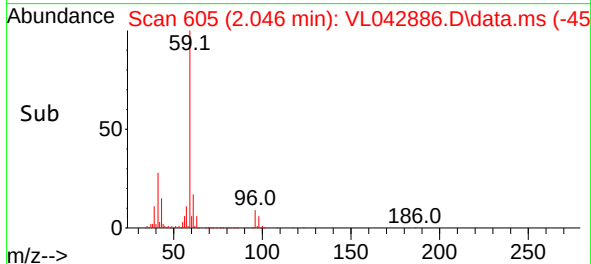
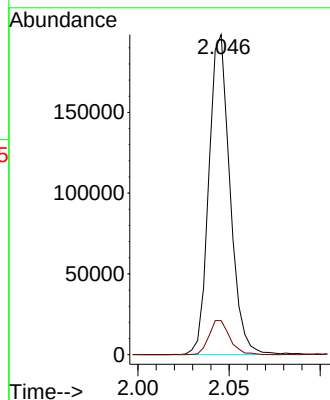
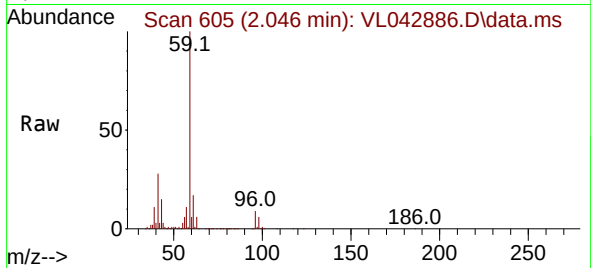
57 10.5 9.0 13.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/27/2025

Supervised By :Mahesh Dadoda 08/27/2025



#18

1,1-Dichloroethene

Concen: 10.104 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

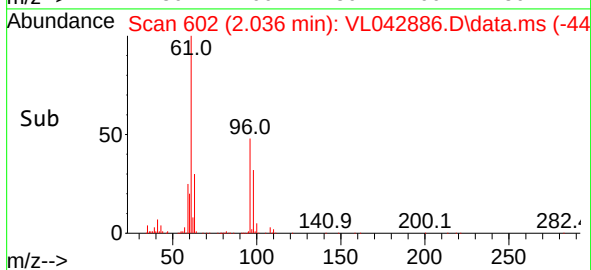
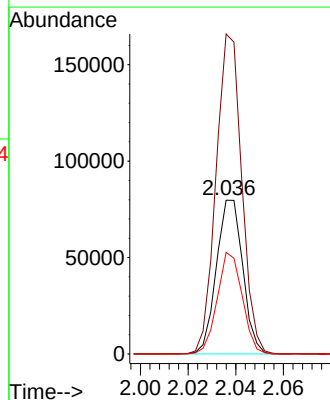
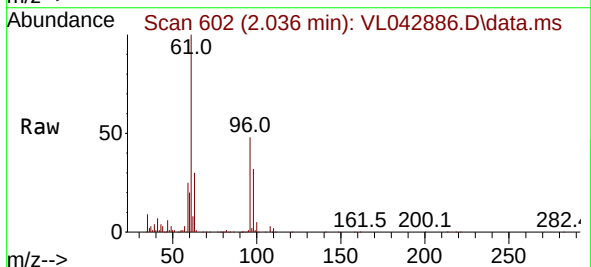
Tgt Ion: 96 Resp: 61352

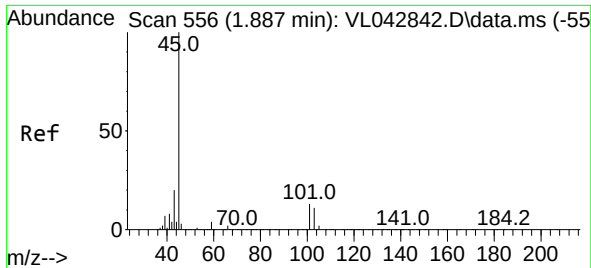
Ion Ratio Lower Upper

96 100

61 208.1 158.2 237.4

98 66.1 50.6 76.0





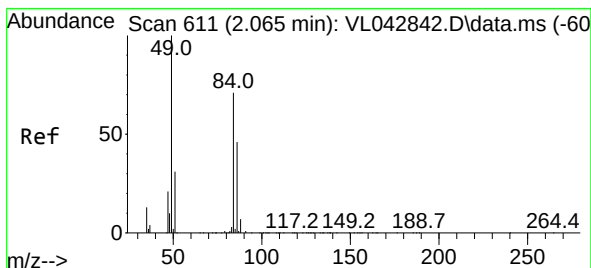
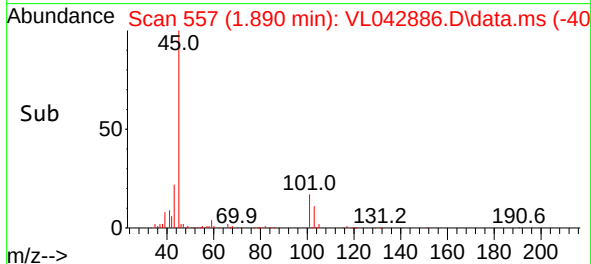
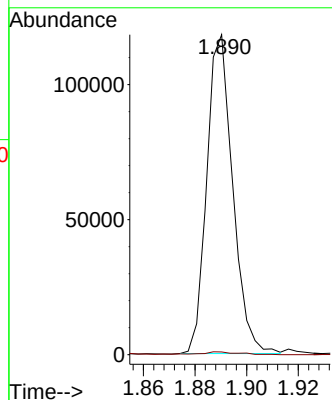
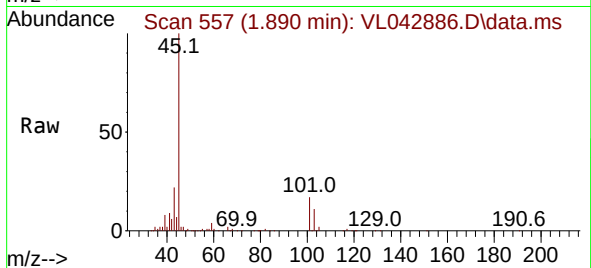
#19
Isopropyl Alcohol
Concen: 8.681 ppbv
RT: 1.890 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 8219
Ion Ratio Lower Upper
45 100
58 45.3 32.7 49.1

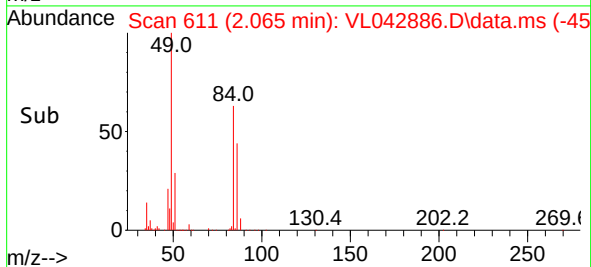
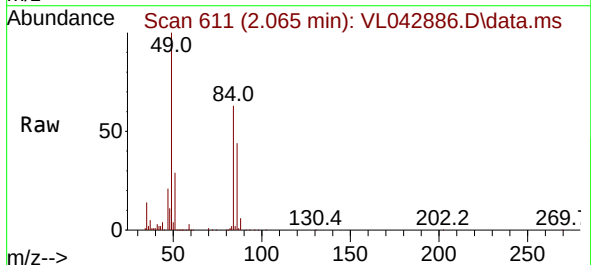
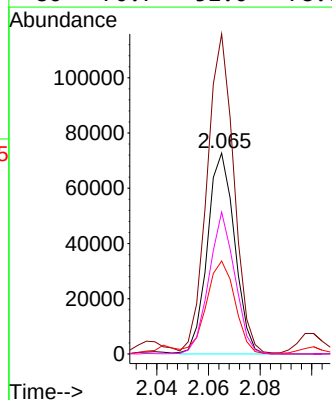
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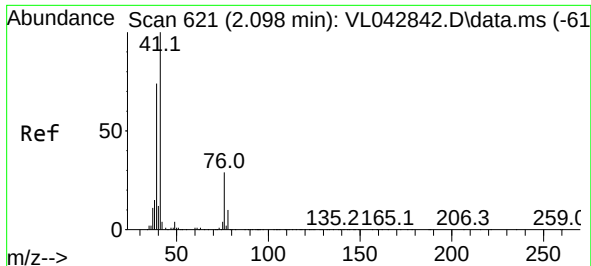
Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025



#20
Methylene Chloride
Concen: 8.009 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

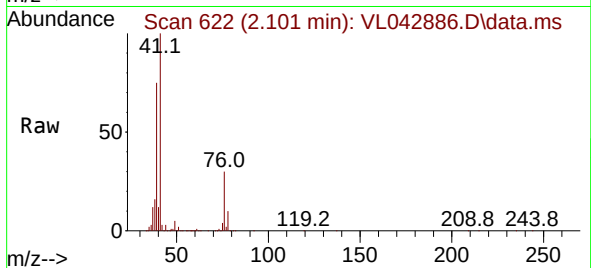
Tgt Ion: 84 Resp: 53188
Ion Ratio Lower Upper
84 100
49 158.8 112.3 168.5
51 45.9 36.0 54.0
86 70.7 52.0 78.0





#21
 Allyl Chloride
 Concen: 9.624 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042886.D
 Acq: 26 Aug 2025 15:50

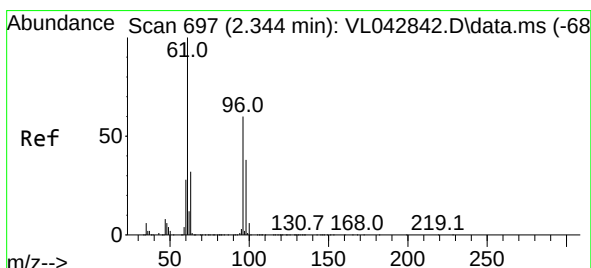
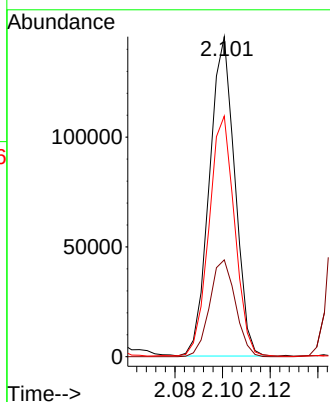
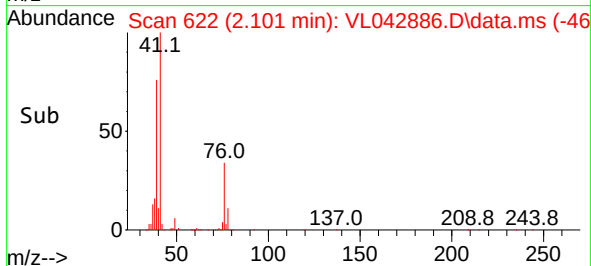
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion: 41 Resp: 107775
 Ion Ratio Lower Upper
 41 100
 76 30.6 23.9 35.9
 39 75.6 57.8 86.6

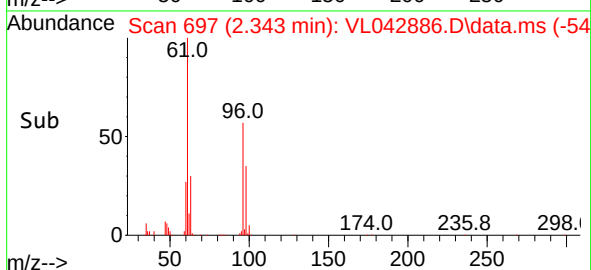
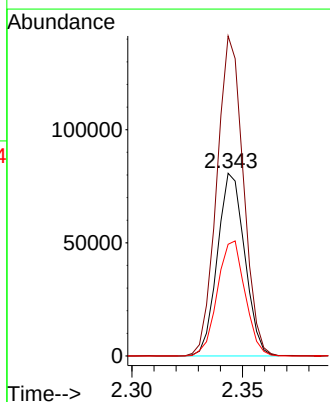
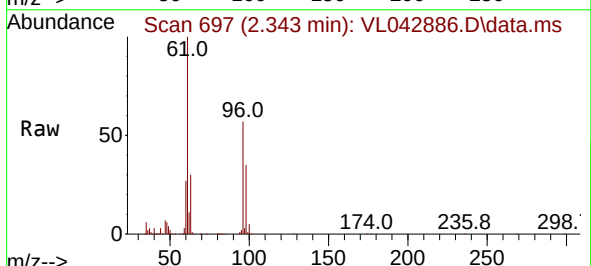
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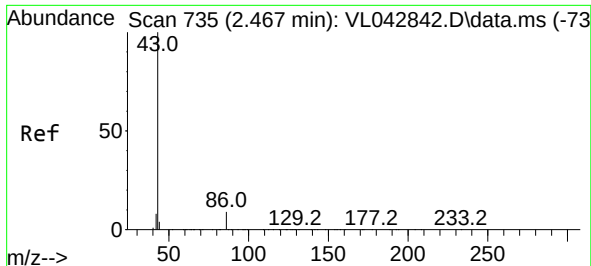
Reviewed By :Semsettin Yesilyurt 08/27/2025
 Supervised By :Mahesh Dadoda 08/27/2025



#22
 trans-1,2-Dichloroethene
 Concen: 9.865 ppbv
 RT: 2.343 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL042886.D
 Acq: 26 Aug 2025 15:50

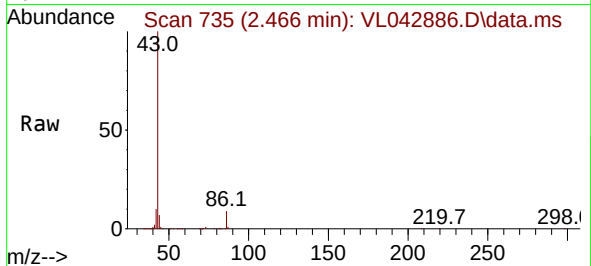
Tgt Ion: 96 Resp: 69298
 Ion Ratio Lower Upper
 96 100
 61 175.1 132.6 199.0
 98 61.1 50.0 75.0





#23
 Vinyl Acetate
 Concen: 10.075 ppbv
 RT: 2.466 min Scan# 719
 Delta R.T. -0.000 min
 Lab File: VL042886.D
 Acq: 26 Aug 2025 15:50

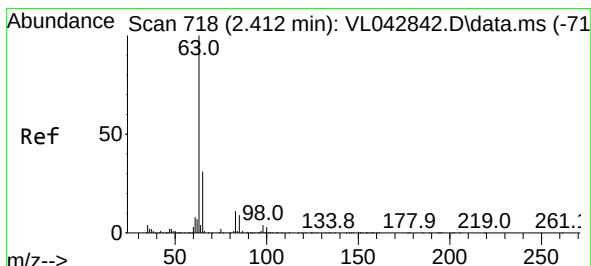
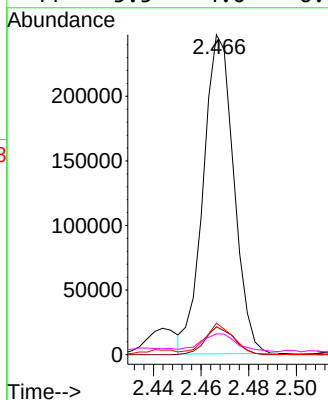
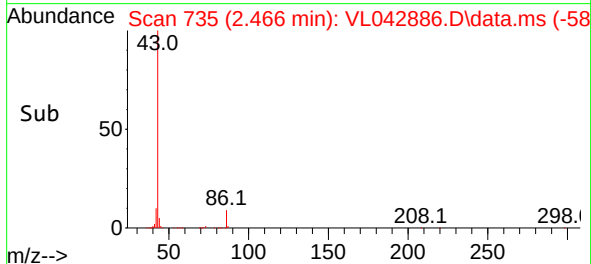
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



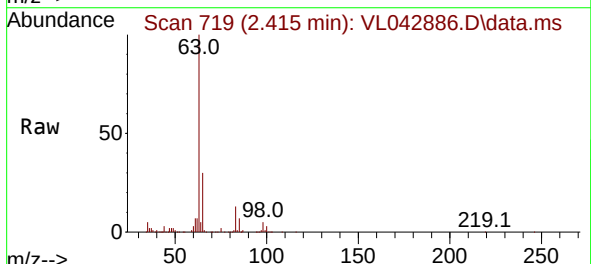
Tgt Ion: 43 Resp: 21959
 Ion Ratio Lower Upper
 43 100
 86 8.7 6.6 9.8
 42 9.8 7.0 10.6
 44 5.5 4.0 6.0

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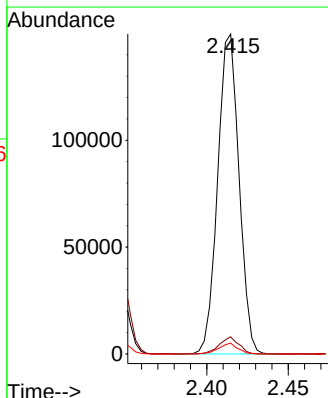
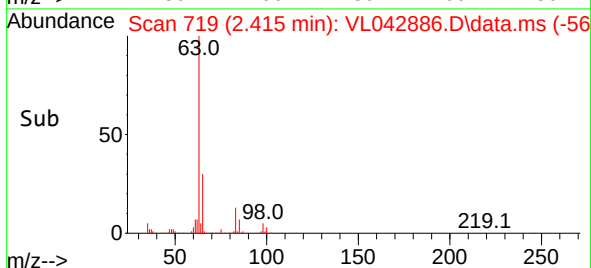
Reviewed By :Semsettin Yesilyurt 08/27/2025
 Supervised By :Mahesh Dadoda 08/27/2025

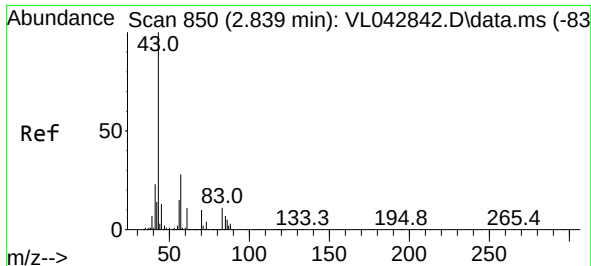


#24
 1,1-Dichloroethane
 Concen: 9.716 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042886.D
 Acq: 26 Aug 2025 15:50



Tgt Ion: 63 Resp: 136302
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.1 6.5
 100 3.4 1.7 5.1





#25

Ethyl Acetate

Concen: 10.186 ppbv

RT: 2.842 min Scan# 848

Delta R.T. 0.003 min

Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 390820

Ion Ratio Lower Upper

43 100

45 9.8 8.1 12.1

61 8.6 7.4 11.2

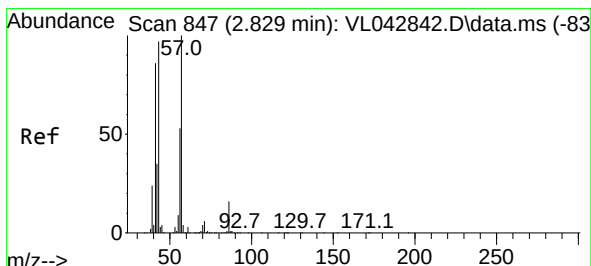
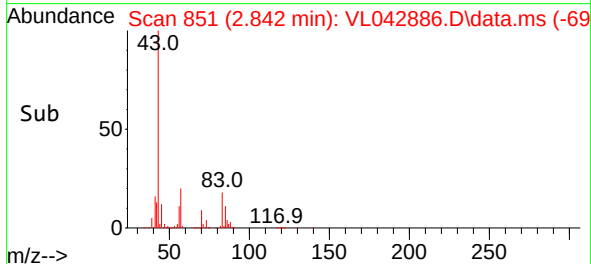
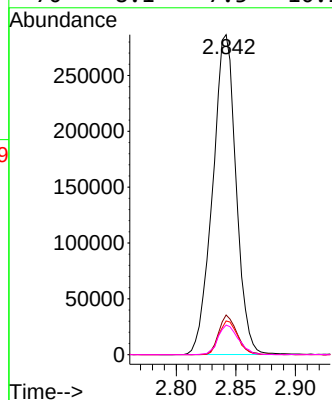
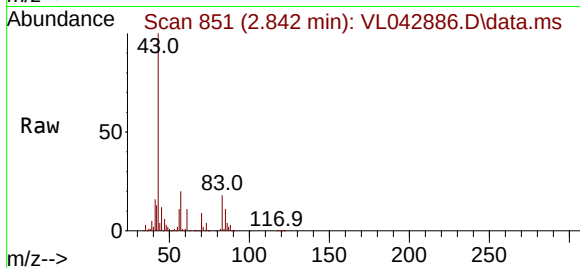
70 8.1 7.3 10.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/27/2025

Supervised By :Mahesh Dadoda 08/27/2025



#26

Hexane

Concen: 9.973 ppbv

RT: 2.832 min Scan# 848

Delta R.T. 0.003 min

Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

Tgt Ion: 57 Resp: 176610

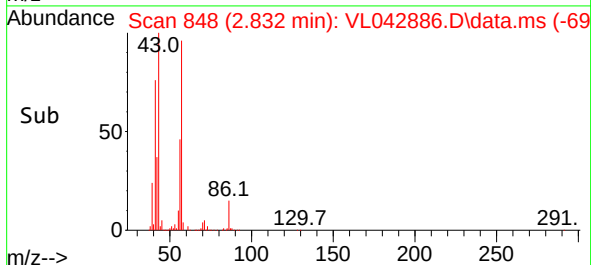
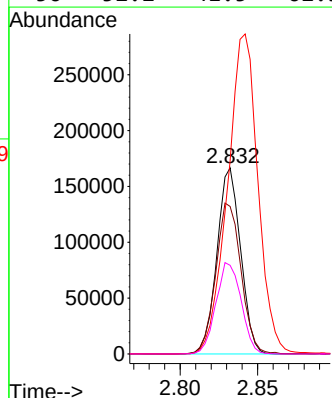
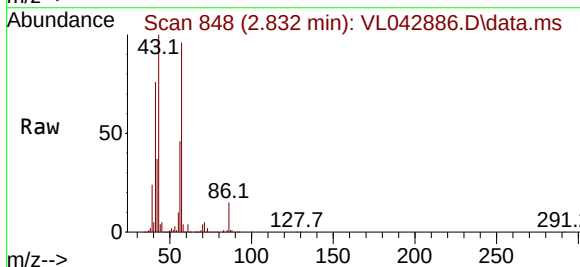
Ion Ratio Lower Upper

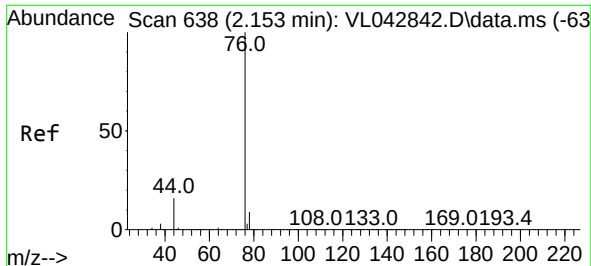
57 100

41 87.3 68.6 103.0

43 222.9 168.5 252.7

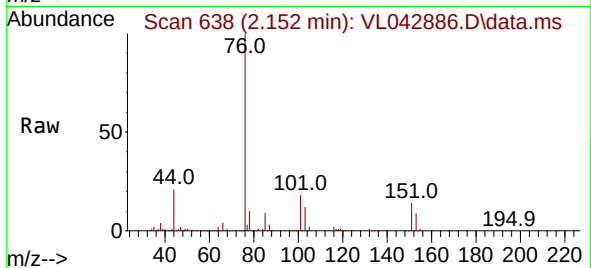
56 52.2 41.5 62.3





#27
Carbon Disulfide
Concen: 10.013 ppbv
RT: 2.152 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

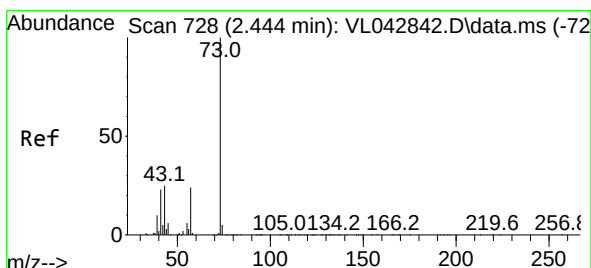
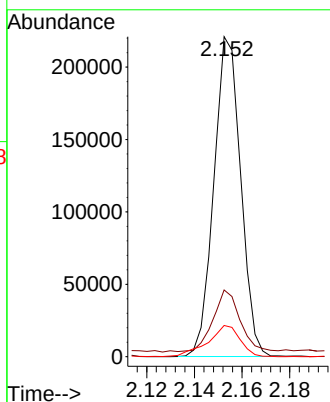
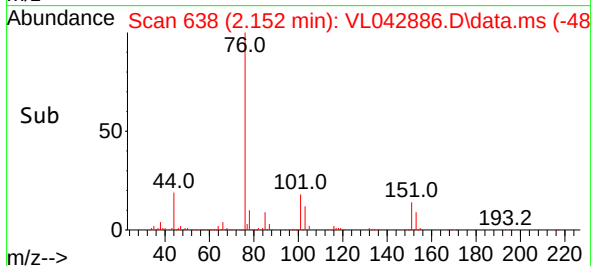
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



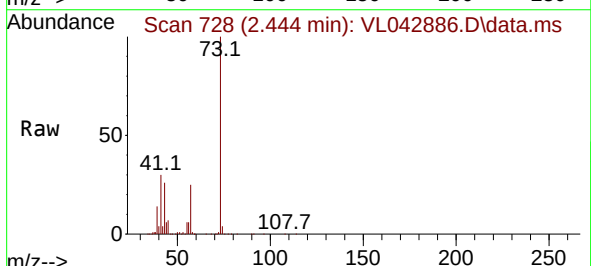
Tgt Ion: 76 Resp: 172568
Ion Ratio Lower Upper
76 100
44 20.0 15.9 23.9
78 11.7 9.5 14.3

Manual Integrations
APPROVED

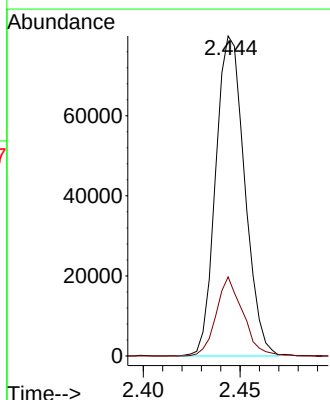
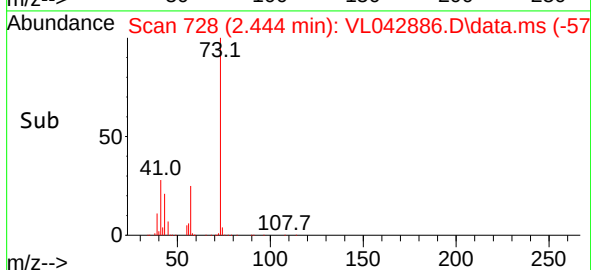
Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

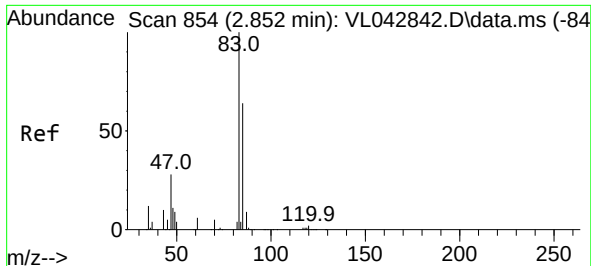


#28
Methyl tert-Butyl Ether
Concen: 9.221 ppbv
RT: 2.444 min Scan# 728
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50



Tgt Ion: 73 Resp: 83267
Ion Ratio Lower Upper
73 100
57 22.8 21.6 32.4





#29

Chloroform

Concen: 10.528 ppbv

RT: 2.855 min Scan# 855

Delta R.T. 0.003 min

Lab File: VL042886.D

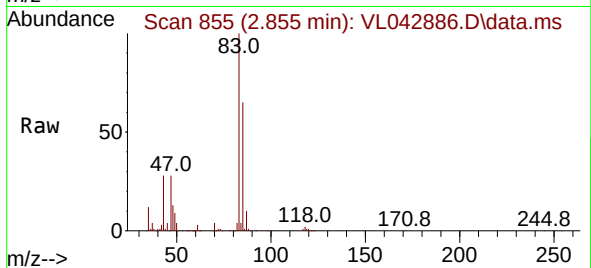
Acq: 26 Aug 2025 15:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion: 83 Resp: 26618

Ion Ratio Lower Upper

83 100

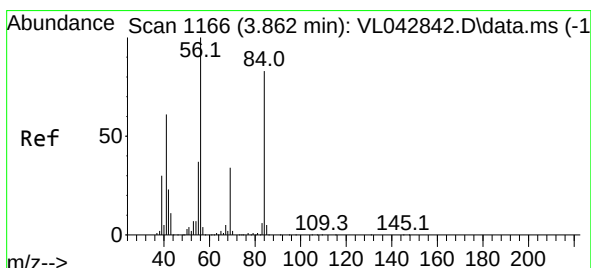
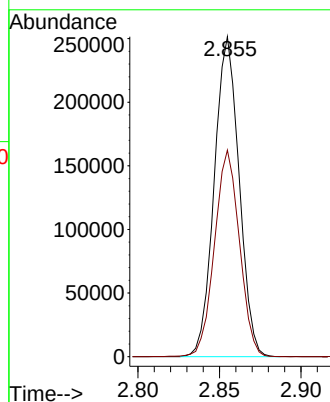
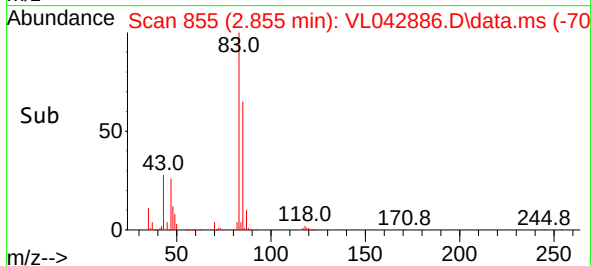
85 64.5 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/27/2025

Supervised By :Mahesh Dadoda 08/27/2025



#30

Cyclohexane

Concen: 9.467 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

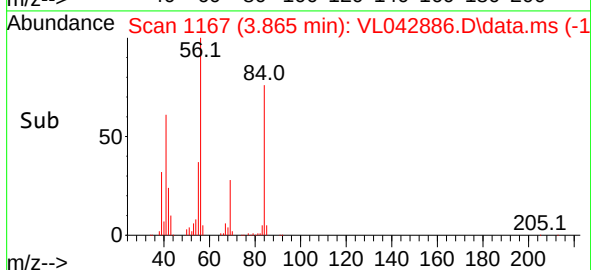
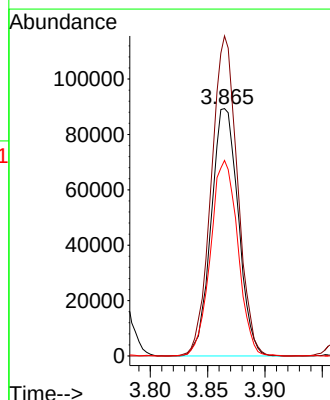
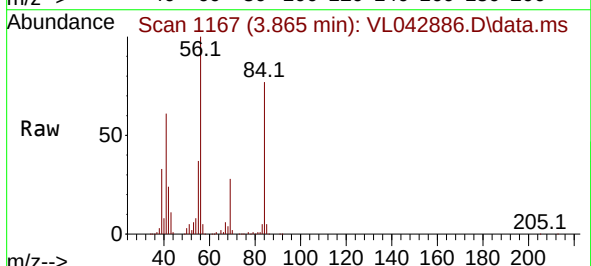
Tgt Ion: 84 Resp: 146992

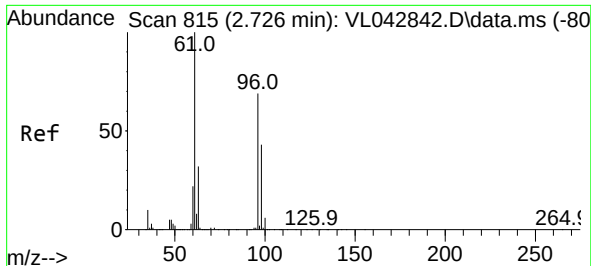
Ion Ratio Lower Upper

84 100

56 125.1 98.8 148.2

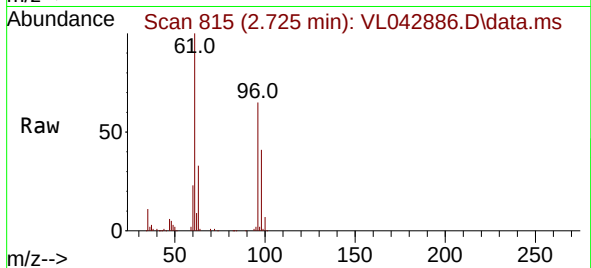
41 79.4 61.3 91.9





#31
 cis-1,2-Dichloroethene
 Concen: 10.095 ppbv
 RT: 2.725 min Scan# 815
 Delta R.T. -0.000 min
 Lab File: VL042886.D
 Acq: 26 Aug 2025 15:50

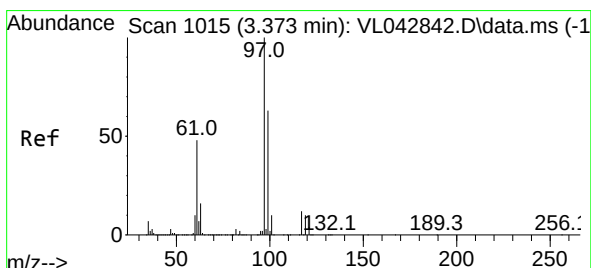
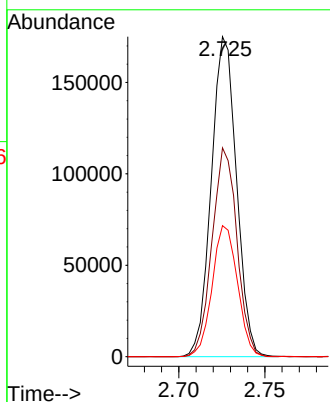
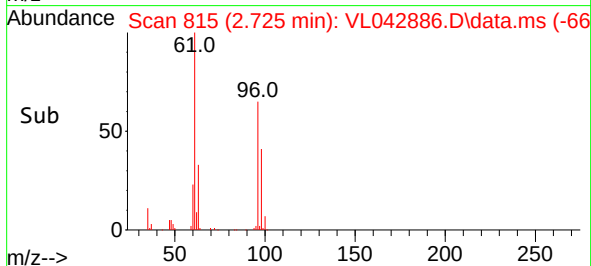
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



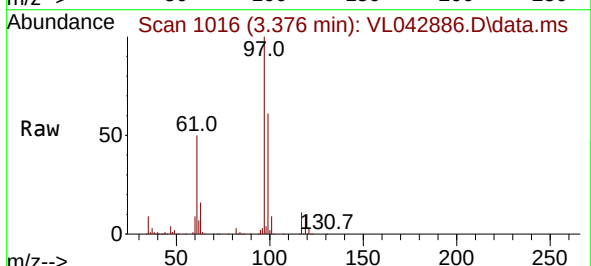
Tgt Ion: 61 Resp: 178570
 Ion Ratio Lower Upper
 61 100
 96 65.3 55.0 82.6
 98 41.0 34.3 51.5

Manual Integrations
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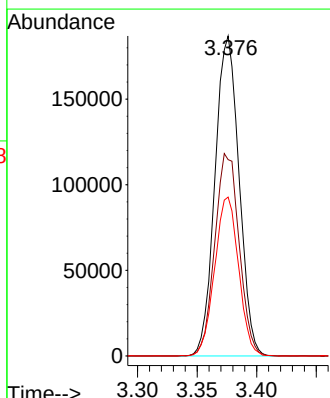
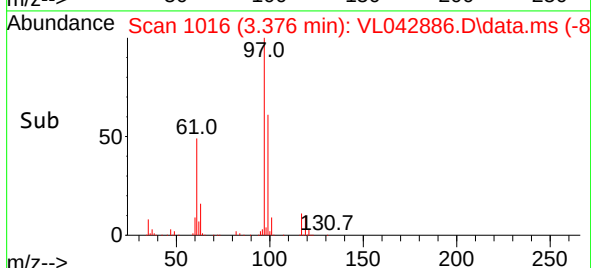
Reviewed By :Semsettin Yesilyurt 08/27/2025
 Supervised By :Mahesh Dadoda 08/27/2025

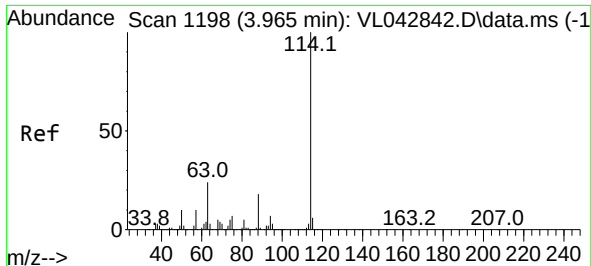


#32
 1,1,1-Trichloroethane
 Concen: 9.824 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.003 min
 Lab File: VL042886.D
 Acq: 26 Aug 2025 15:50



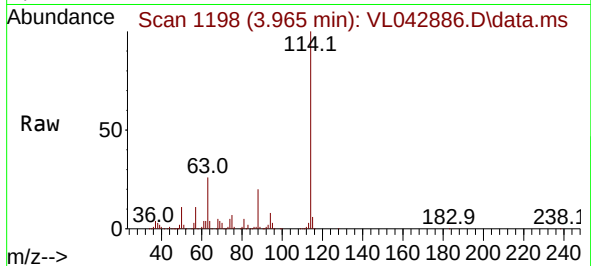
Tgt Ion: 97 Resp: 262520
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.0 76.6
 61 49.5 38.0 57.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

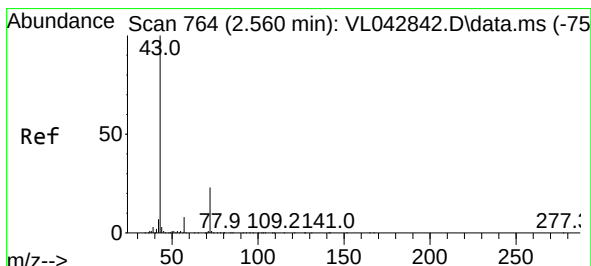
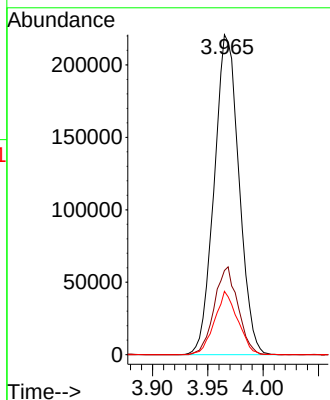
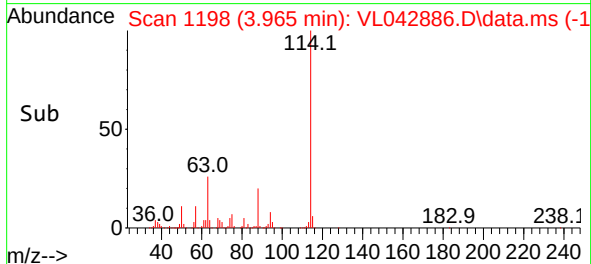
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



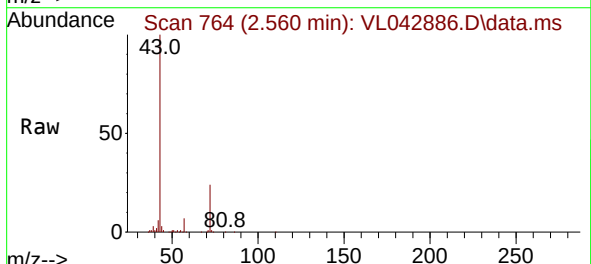
Tgt Ion:114 Resp: 343725
Ion Ratio Lower Upper
114 100
63 26.3 19.7 29.5
88 18.6 14.4 21.6

Manual Integrations
APPROVED

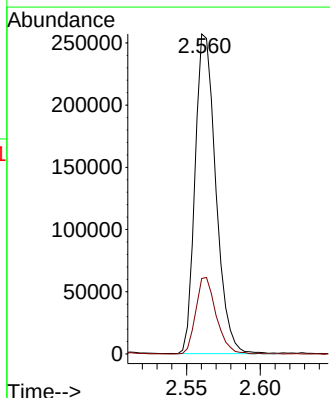
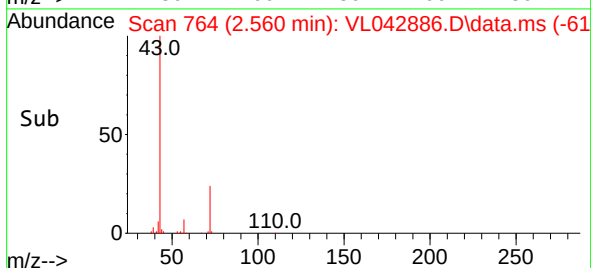
Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

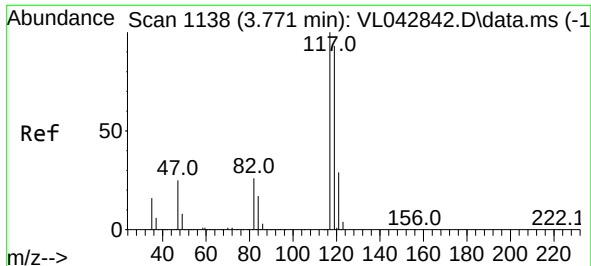


#34
2-Butanone
Concen: 10.839 ppbv
RT: 2.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50



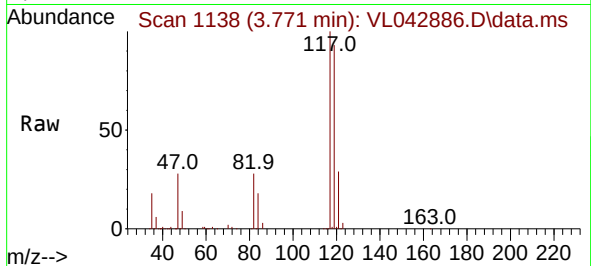
Tgt Ion: 43 Resp: 251560
Ion Ratio Lower Upper
43 100
72 23.6 18.6 28.0





#35
Carbon Tetrachloride
Concen: 11.060 ppbv
RT: 3.771 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

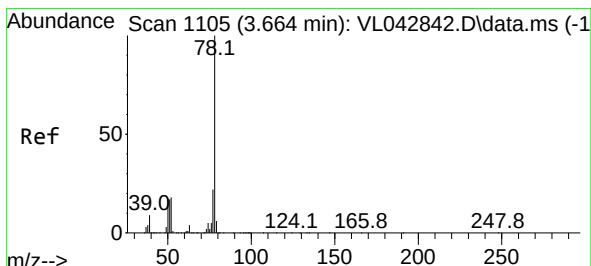
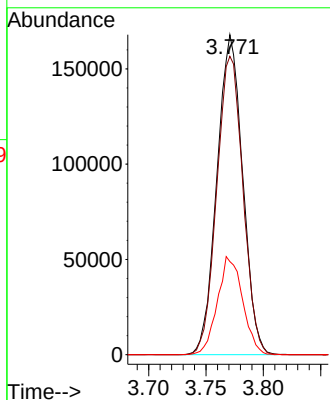
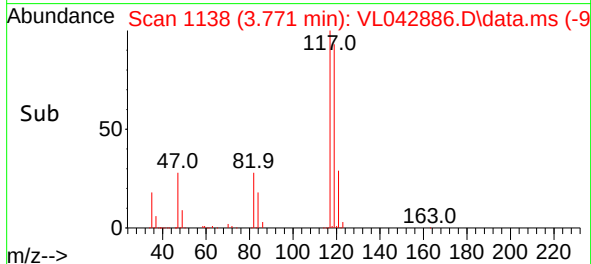
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 117 Resp: 262082
Ion Ratio Lower Upper
117 100
119 93.3 74.7 112.1
121 29.1 23.2 34.8

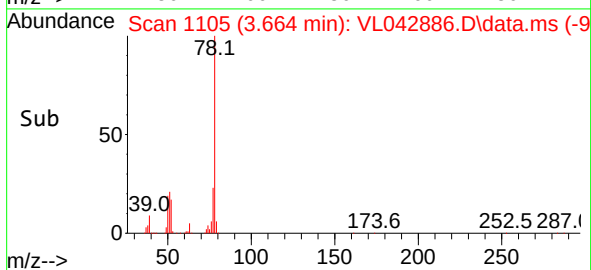
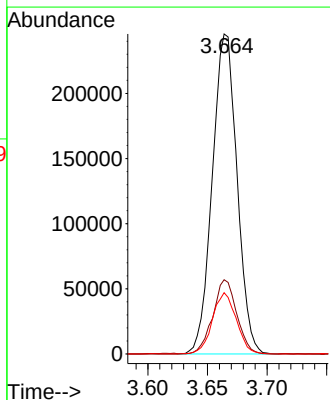
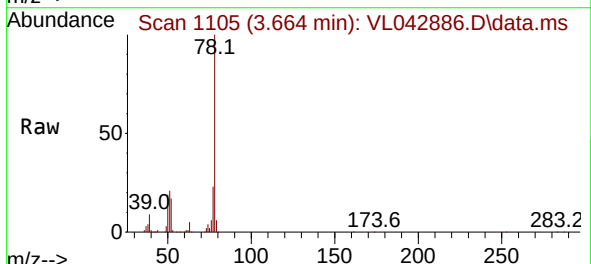
Manual Integrations
APPROVED

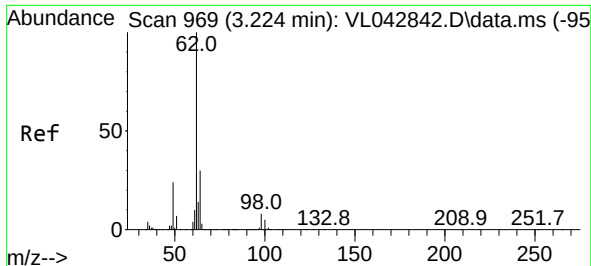
Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025



#36
Benzene
Concen: 10.767 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

Tgt Ion: 78 Resp: 354386
Ion Ratio Lower Upper
78 100
77 23.2 17.7 26.5
50 19.2 13.9 20.9





#37

1,2-Dichloroethane

Concen: 12.029 ppbv

RT: 3.227 min Scan# 91

Delta R.T. 0.003 min

Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 20685

Ion Ratio Lower Upper

62 100

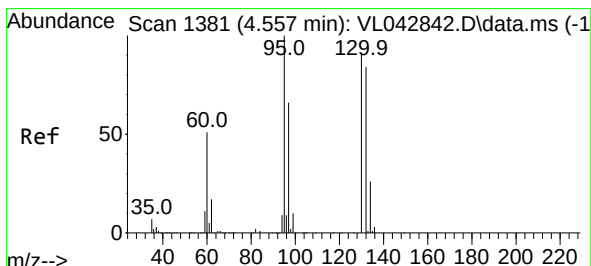
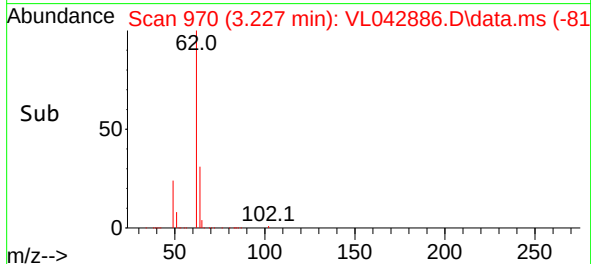
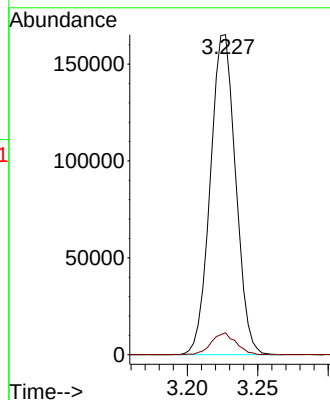
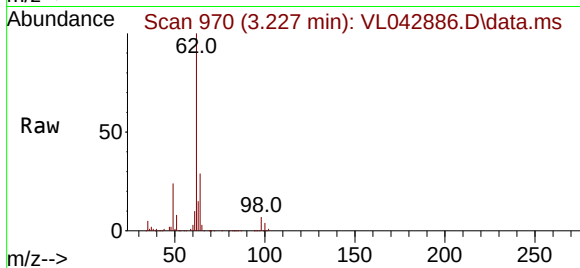
98 6.7 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/27/2025

Supervised By :Mahesh Dadoda 08/27/2025



#38

Trichloroethene

Concen: 9.931 ppbv

RT: 4.557 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

Tgt Ion:130 Resp: 149289

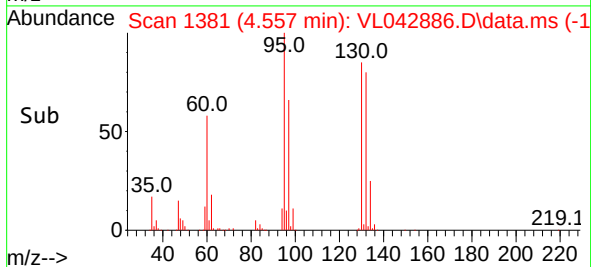
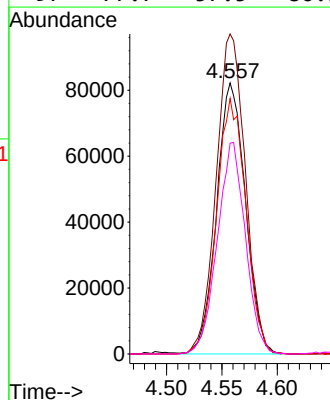
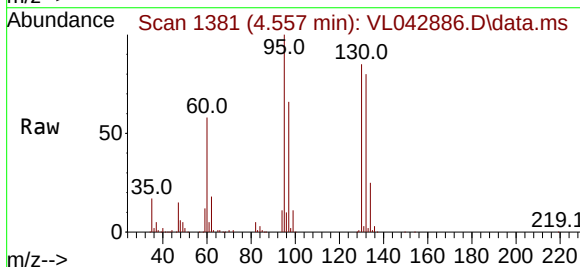
Ion Ratio Lower Upper

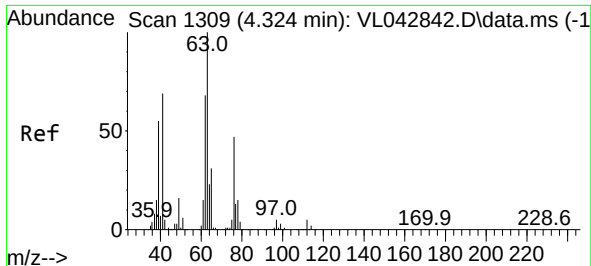
130 100

95 117.9 87.6 131.4

132 94.1 73.8 110.8

97 77.7 57.5 86.3





#39

1,2-Dichloropropane

Concen: 10.893 ppbv

RT: 4.321 min Scan# 1309

Delta R.T. -0.003 min

Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

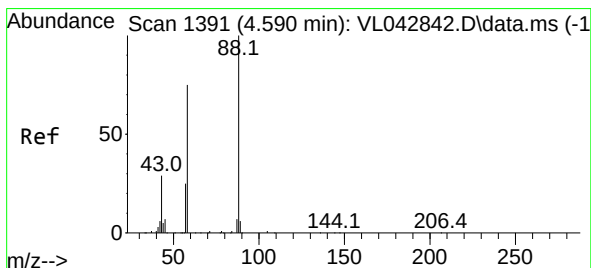
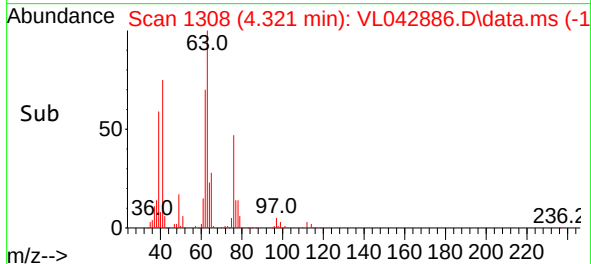
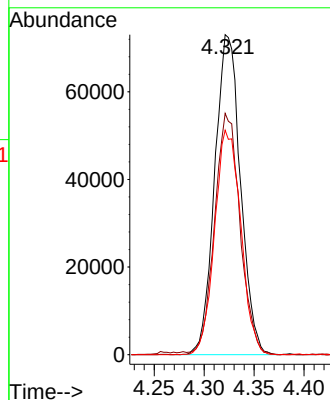
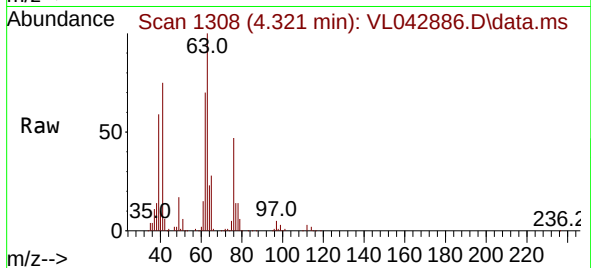
Tgt Ion: 63 Resp: 13094

Ion	Ratio	Lower	Upper
63	100		
41	75.4	55.0	82.4
62	70.2	54.4	81.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025



#40

1,4-Dioxane

Concen: 9.928 ppbv

RT: 4.590 min Scan# 1391

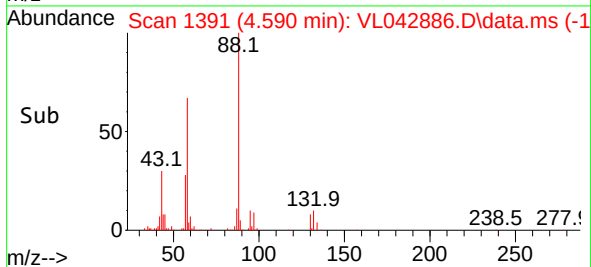
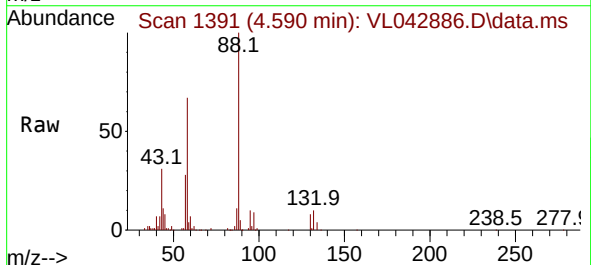
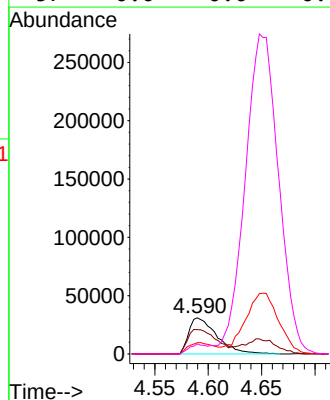
Delta R.T. -0.000 min

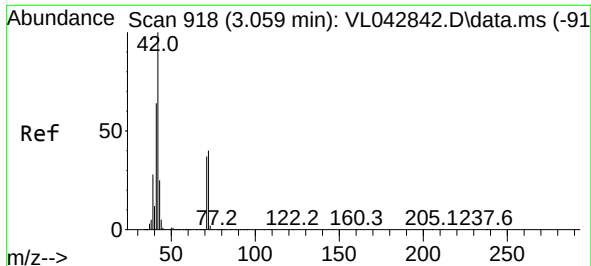
Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

Tgt Ion: 88 Resp: 56754

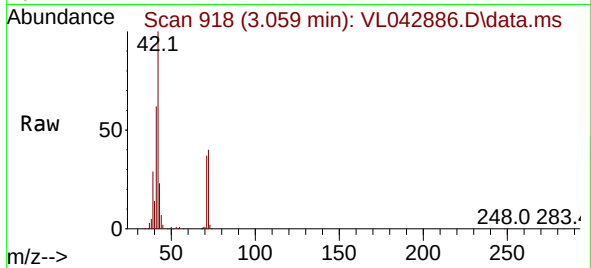
Ion	Ratio	Lower	Upper
88	100		
58	71.8	53.8	80.6
43	0.0	22.8	34.2#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 10.899 ppbv
RT: 3.059 min Scan# 918
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

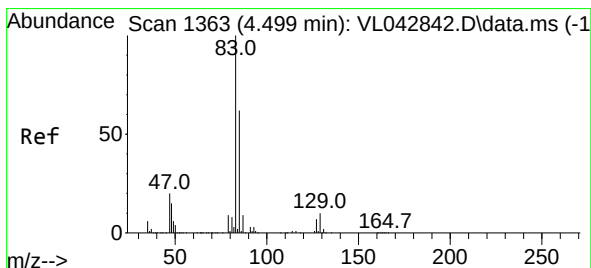
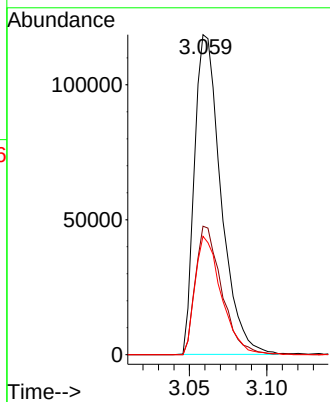
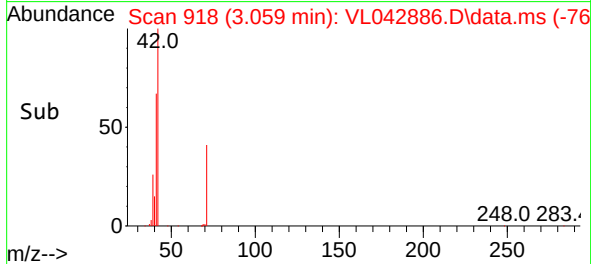
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



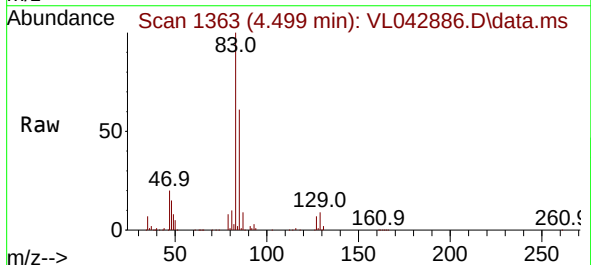
Tgt Ion: 42 Resp: 141034
Ion Ratio Lower Upper
42 100
72 40.0 32.6 48.8
71 36.9 30.0 45.0

Manual Integrations
APPROVED

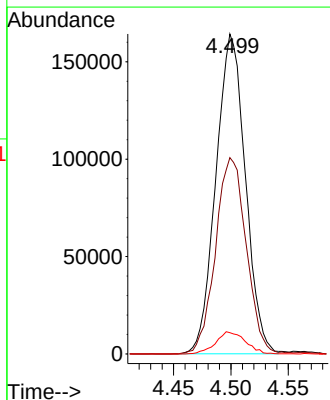
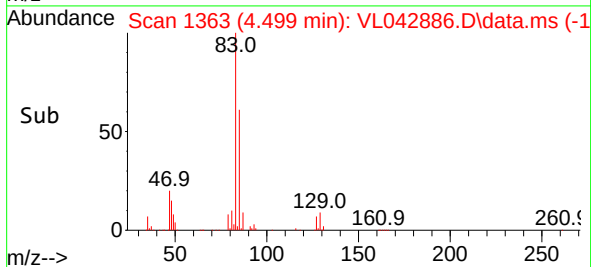
Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

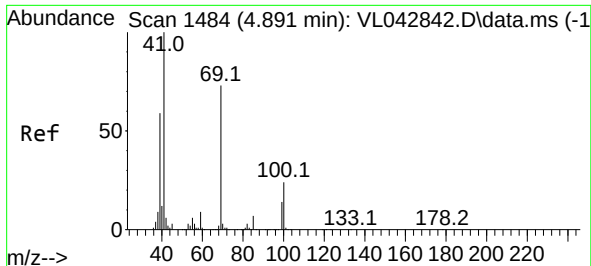


#42
Bromodichloromethane
Concen: 11.437 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50



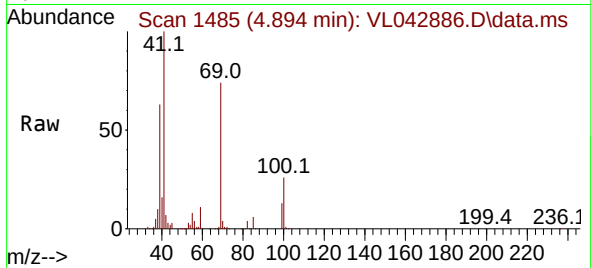
Tgt Ion: 83 Resp: 293061
Ion Ratio Lower Upper
83 100
85 61.4 49.8 74.8
127 6.6 5.8 8.6





#43
Methyl Methacrylate
Concen: 10.187 ppbv
RT: 4.894 min Scan# 1484
Delta R.T. 0.003 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

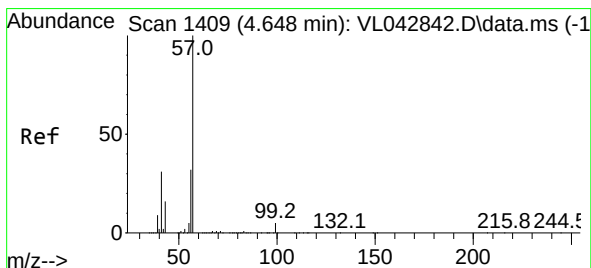
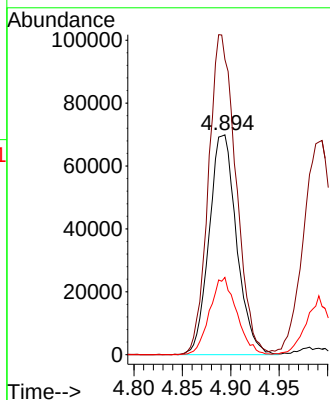
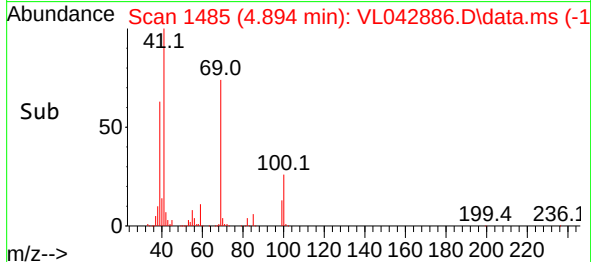
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



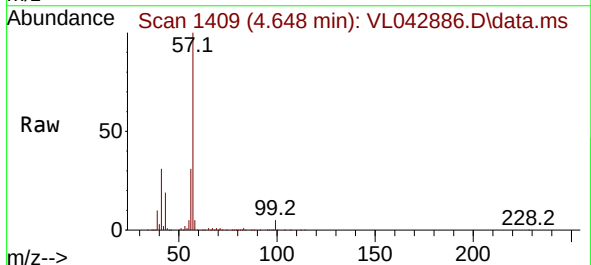
Tgt Ion: 69 Resp: 138129
Ion Ratio Lower Upper
69 100
41 145.9 114.6 172.0
100 34.5 30.2 45.4

Manual Integrations
APPROVED

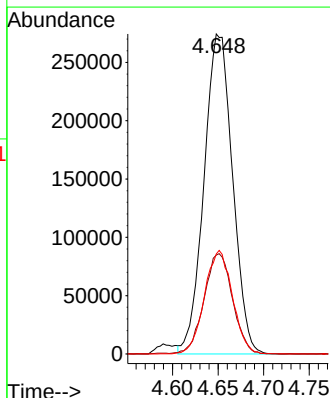
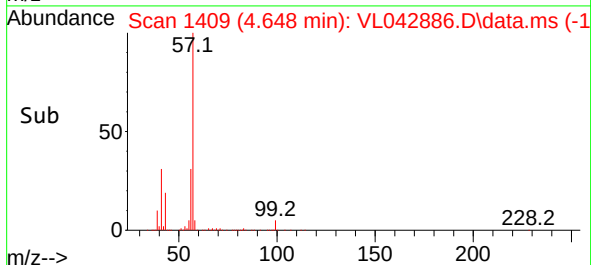
Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

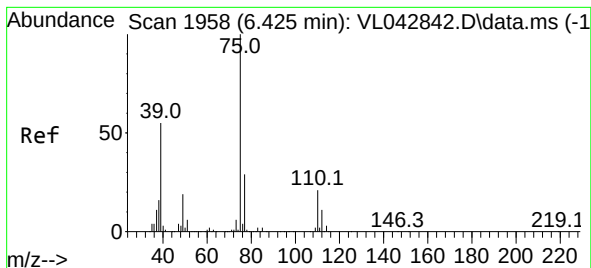


#44
2,2,4-Trimethylpentane
Concen: 10.718 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50



Tgt Ion: 57 Resp: 598780
Ion Ratio Lower Upper
57 100
41 31.4 24.8 37.2
56 31.7 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 10.033 ppbv

RT: 6.425 min Scan# 1958

Delta R.T. -0.000 min

Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 75 Resp: 15352

Ion Ratio Lower Upper

75 100

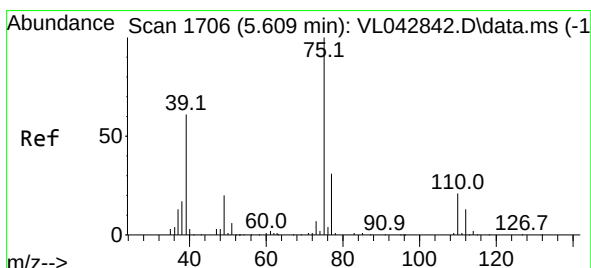
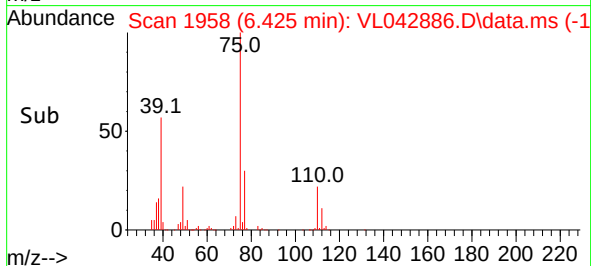
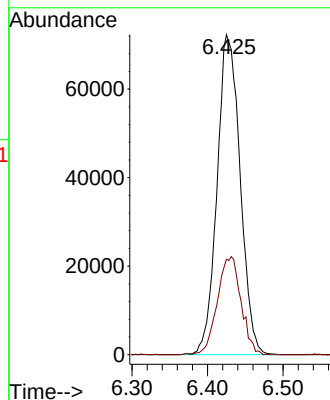
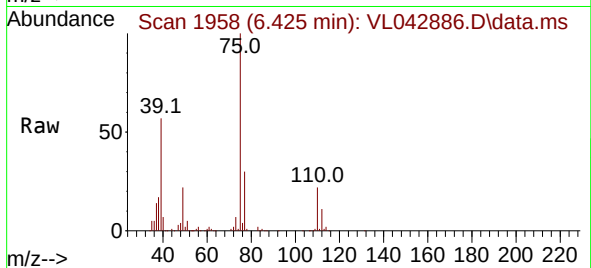
77 29.8 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/27/2025

Supervised By :Mahesh Dadoda 08/27/2025



#46

cis-1,3-Dichloropropene

Concen: 10.570 ppbv

RT: 5.612 min Scan# 1707

Delta R.T. 0.003 min

Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

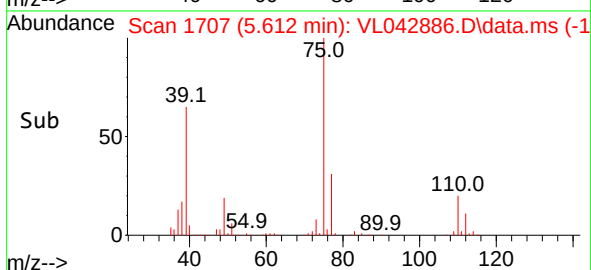
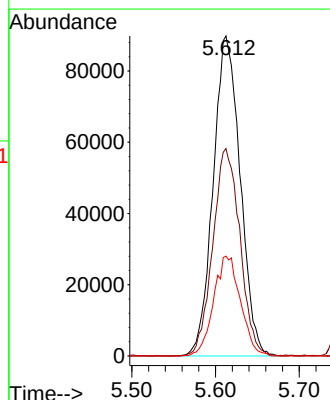
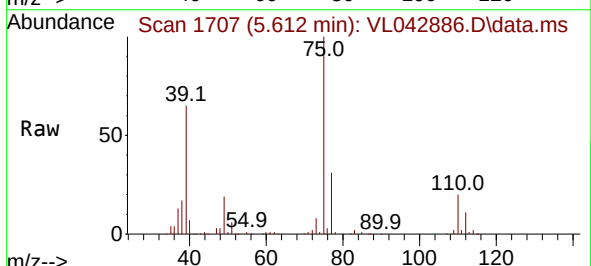
Tgt Ion: 75 Resp: 201538

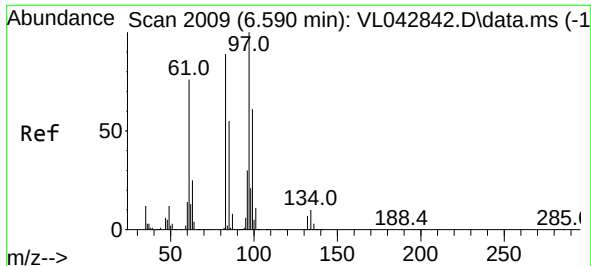
Ion Ratio Lower Upper

75 100

39 64.7 48.9 73.3

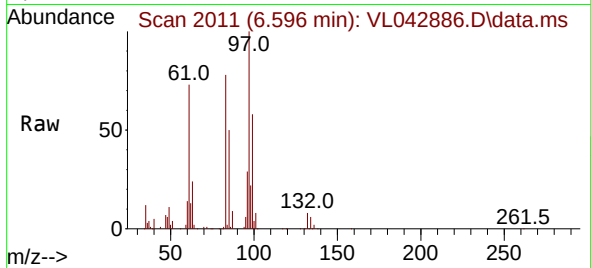
77 31.2 24.9 37.3





#47
1,1,2-Trichloroethane
Concen: 10.861 ppbv
RT: 6.596 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

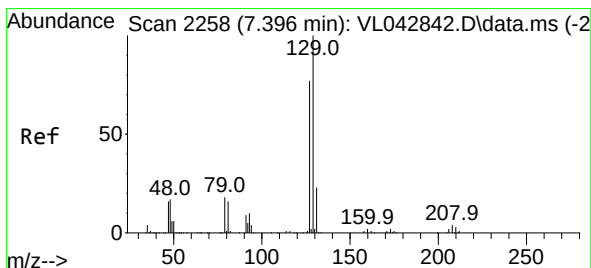
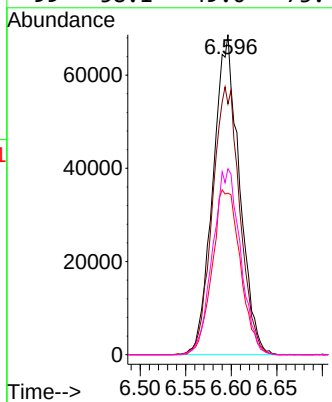
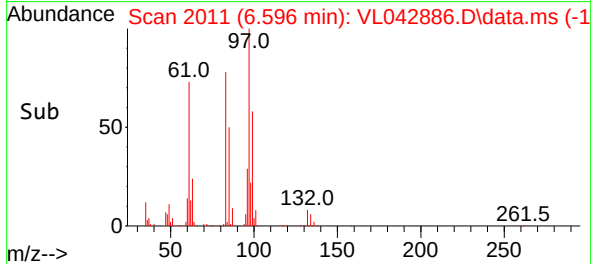
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 97 Resp: 138328
Ion Ratio Lower Upper
97 100
83 78.4 71.0 106.4
85 50.4 43.6 65.4
99 58.1 49.0 73.4

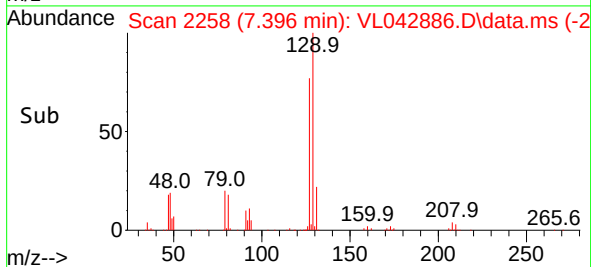
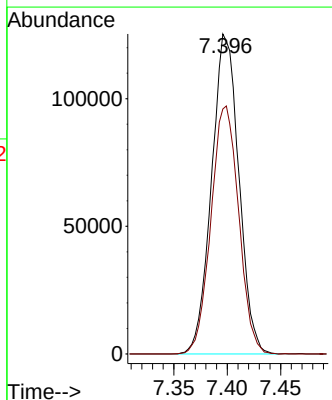
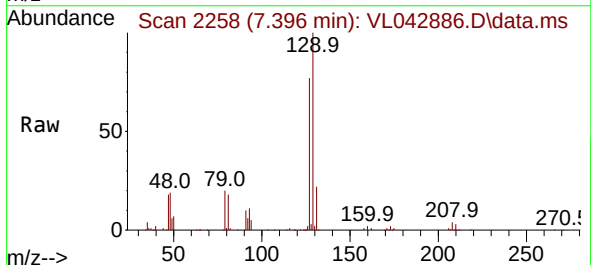
Manual Integrations
APPROVED

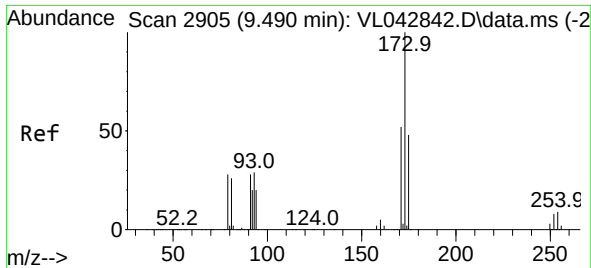
Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025



#48
Dibromochloromethane
Concen: 10.808 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

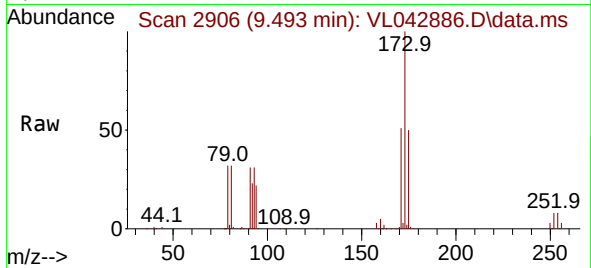
Tgt Ion:129 Resp: 222764
Ion Ratio Lower Upper
129 100
127 78.7 39.4 118.2





#49
Bromoform
Concen: 10.576 ppbv
RT: 9.493 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

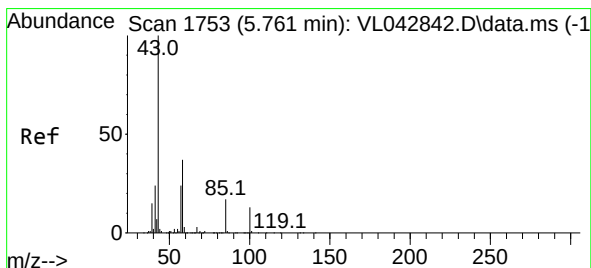
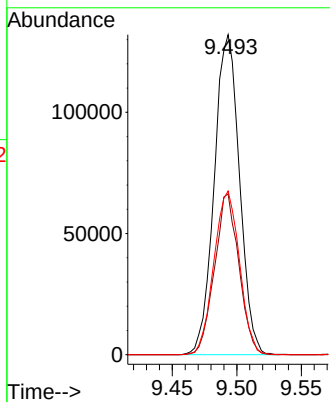
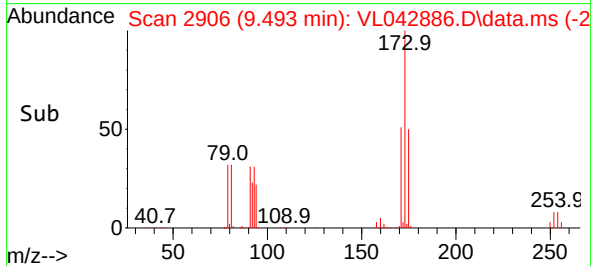
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 173 Resp: 17975
Ion Ratio Lower Upper
173 100
175 48.4 39.2 58.8
171 51.8 41.3 61.9

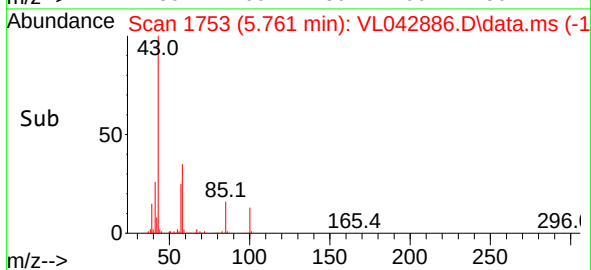
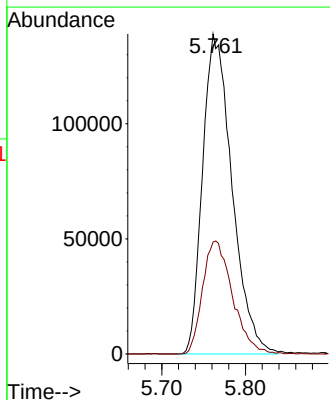
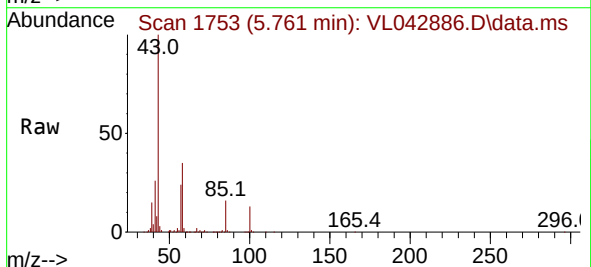
Manual Integrations
APPROVED

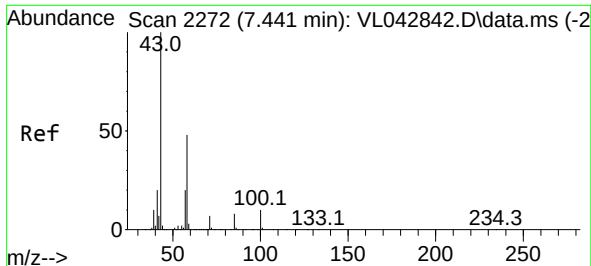
Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025



#50
4-Methyl-2-Pentanone
Concen: 10.836 ppbv
RT: 5.761 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

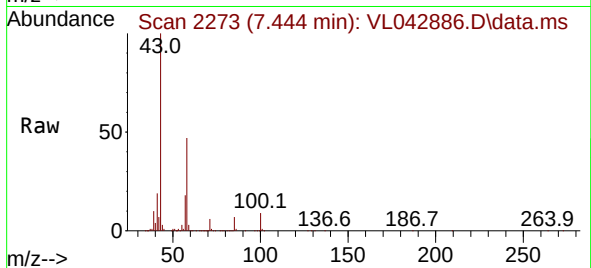
Tgt Ion: 43 Resp: 339938
Ion Ratio Lower Upper
43 100
58 35.9 29.8 44.8





#51
2-Hexanone
Concen: 10.965 ppbv
RT: 7.444 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

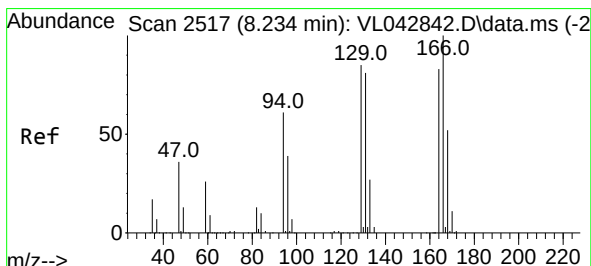
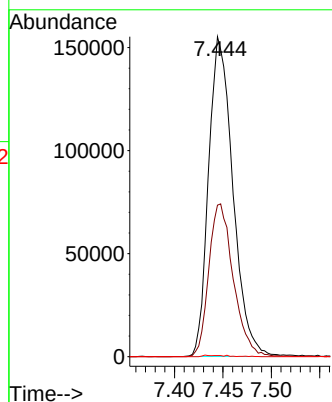
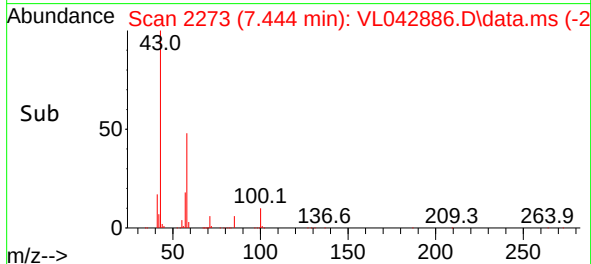
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 43 Resp: 270679
Ion Ratio Lower Upper
43 100
58 48.3 41.0 61.6
98 0.5 0.1 0.1

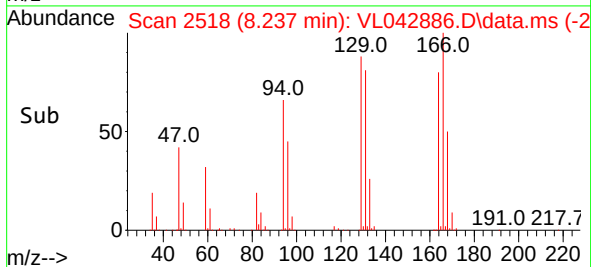
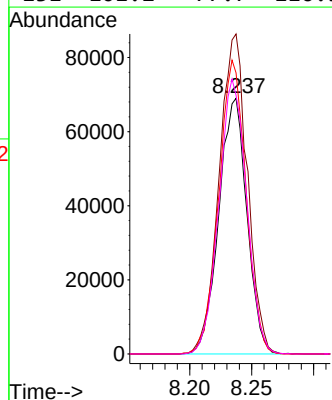
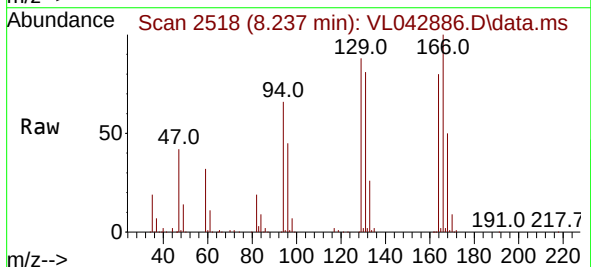
Manual Integrations
APPROVED

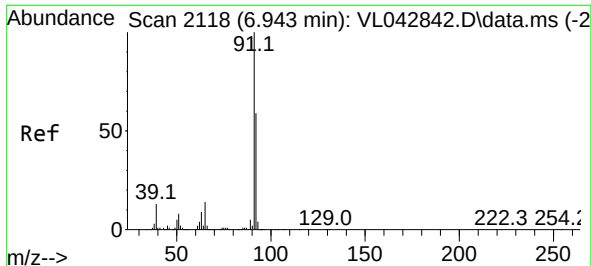
Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025



#52
Tetrachloroethene
Concen: 9.140 ppbv
RT: 8.237 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

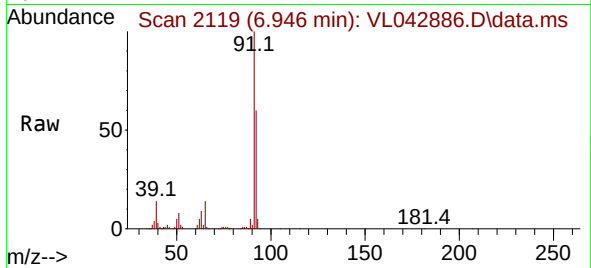
Tgt Ion:164 Resp: 108838
Ion Ratio Lower Upper
164 100
166 125.2 96.5 144.7
129 110.0 81.8 122.6
131 101.2 77.7 116.5





#53
Toluene
Concen: 10.205 ppbv
RT: 6.946 min Scan# 2118
Delta R.T. 0.003 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

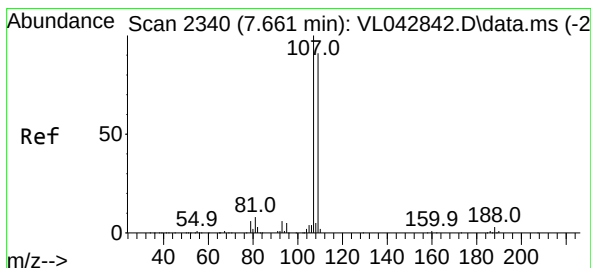
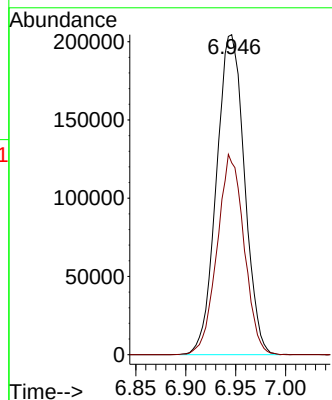
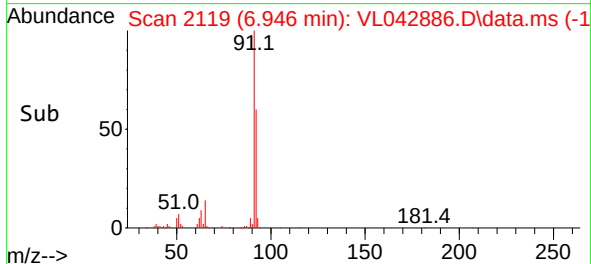
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



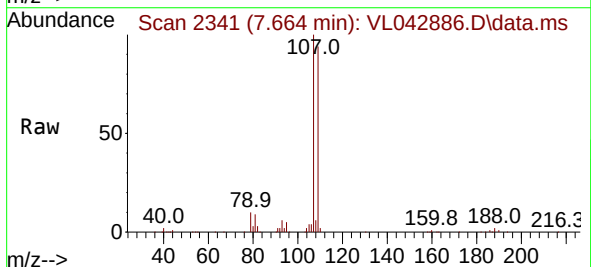
Tgt Ion: 91 Resp: 39932
Ion Ratio Lower Upper
91 100
92 60.1 47.8 71.6

Manual Integrations
APPROVED

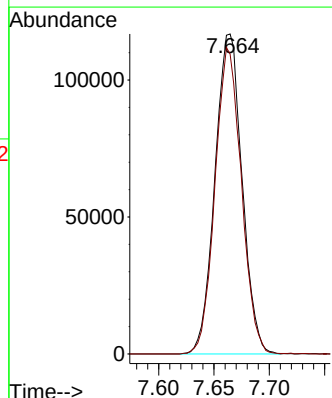
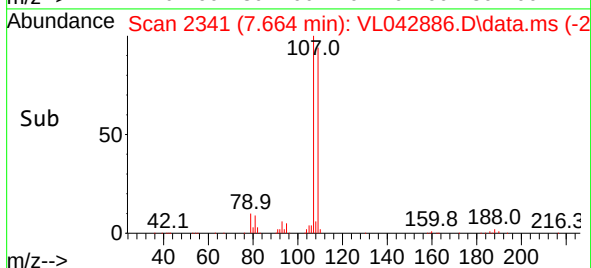
Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

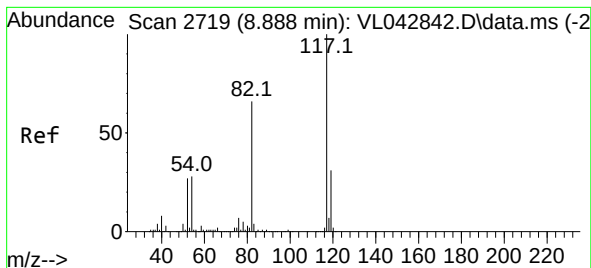


#54
1,2-Dibromoethane
Concen: 10.696 ppbv
RT: 7.664 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50



Tgt Ion:107 Resp: 199098
Ion Ratio Lower Upper
107 100
109 93.7 72.5 108.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 2719

Delta R.T. 0.003 min

Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

Instrument :

MSVOA_L

ClientSampleId :

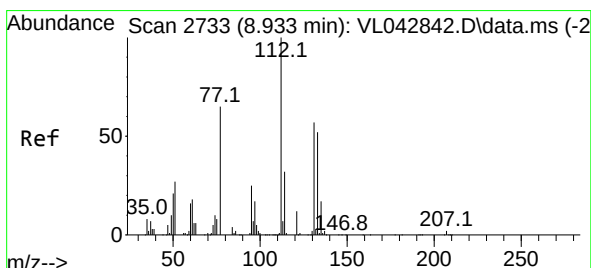
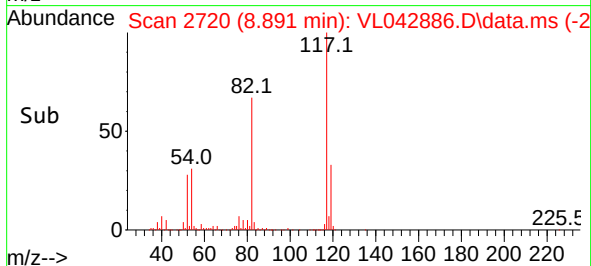
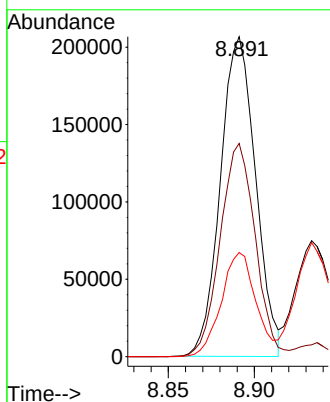
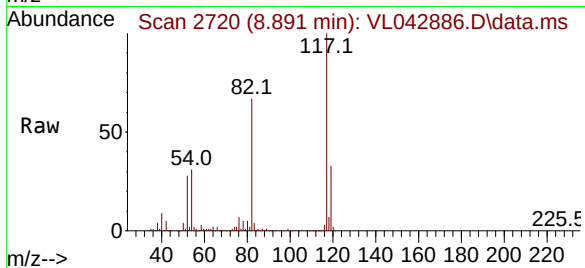
VSTDCCC010EC

Tgt Ion:	117	Resp:	29380
Ion Ratio	Lower	Upper	
117	100		
82	70.3	54.6	81.8
119	31.8	25.9	38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 10.753 ppbv

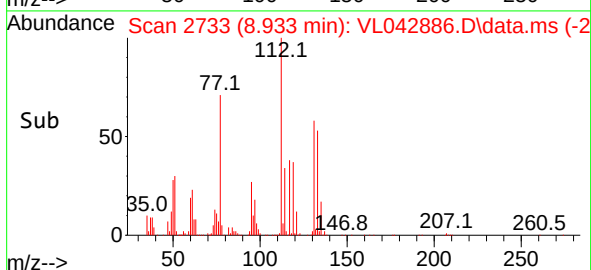
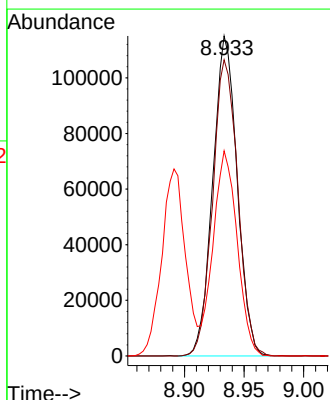
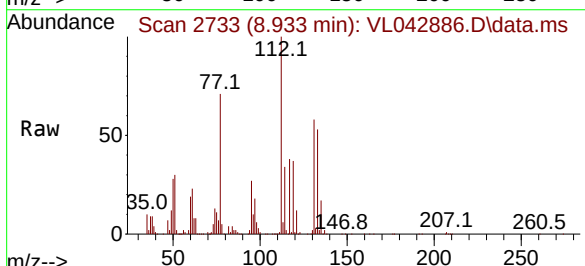
RT: 8.933 min Scan# 2733

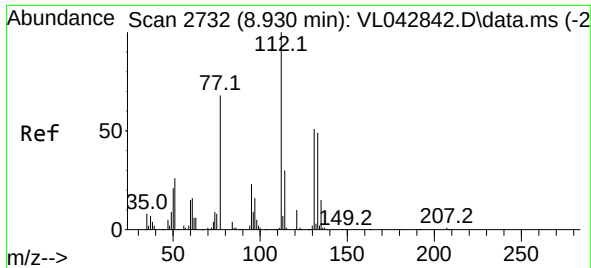
Delta R.T. -0.000 min

Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

Tgt Ion:	131	Resp:	163380
Ion Ratio	Lower	Upper	
131	100		
133	95.5	77.4	116.0
119	63.9	51.2	76.8





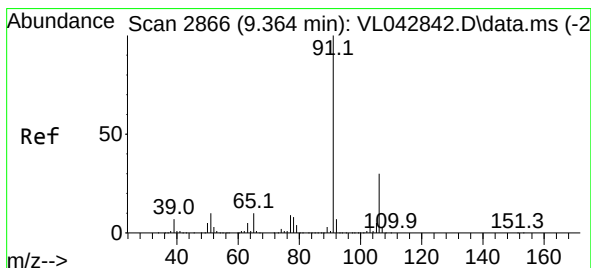
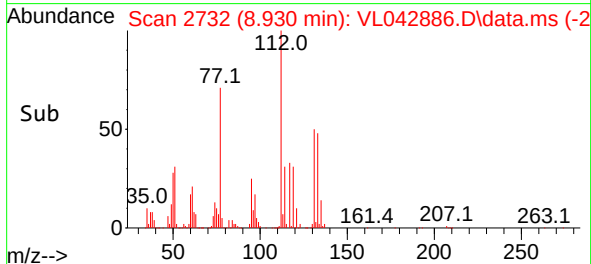
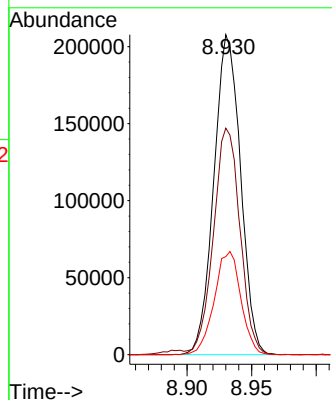
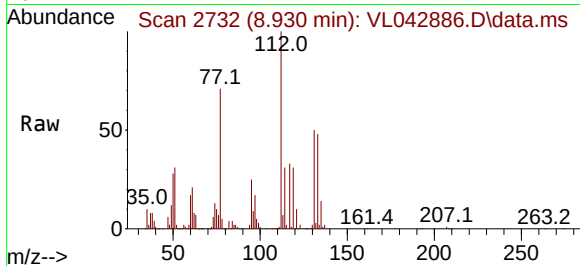
#57
Chlorobenzene
Concen: 10.688 ppbv
RT: 8.930 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:112 Resp: 298574
Ion Ratio Lower Upper
112 100
77 70.8 55.5 83.3
114 30.6 27.2 33.2

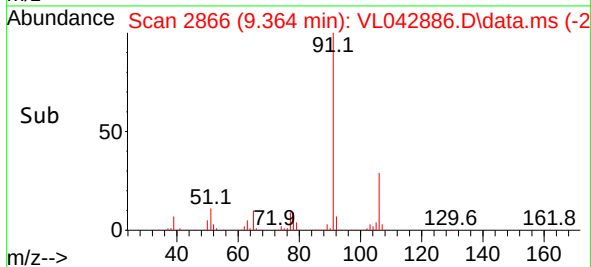
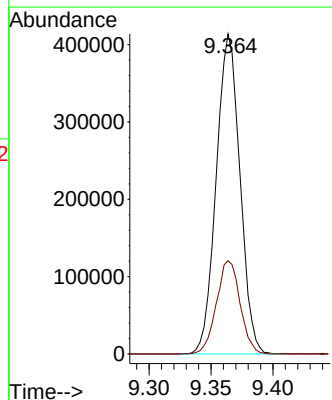
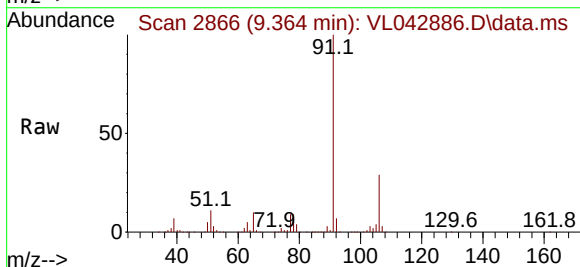
Manual Integrations
APPROVED

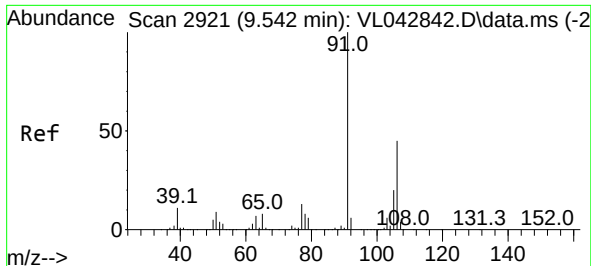
Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025



#58
Ethyl Benzene
Concen: 10.635 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

Tgt Ion: 91 Resp: 551412
Ion Ratio Lower Upper
91 100
106 29.1 23.9 35.9





#59

m/p-Xylene

Concen: 21.851 ppbv m

RT: 9.558 min Scan# 2921

Delta R.T. 0.016 min

Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 888000

Ion Ratio Lower Upper

91 100

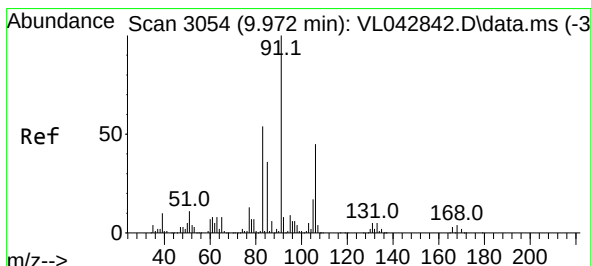
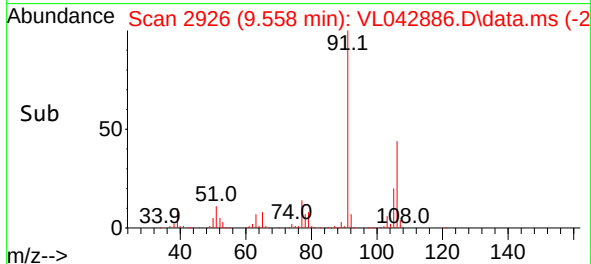
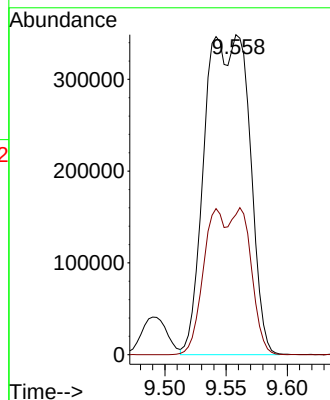
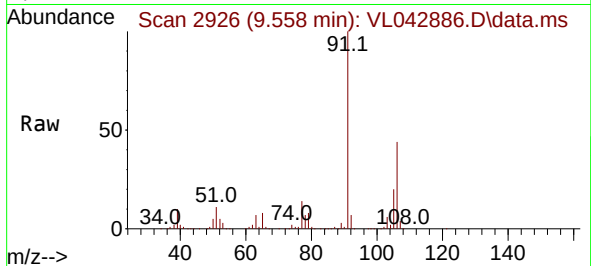
106 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/27/2025

Supervised By :Mahesh Dadoda 08/27/2025



#60

o-Xylene

Concen: 10.751 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VL042886.D

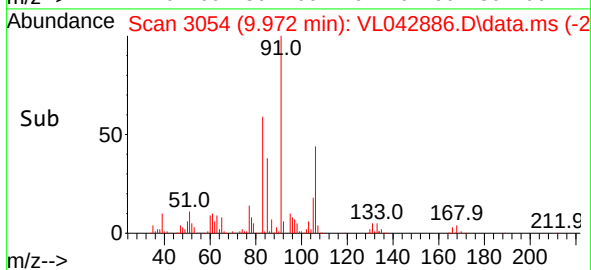
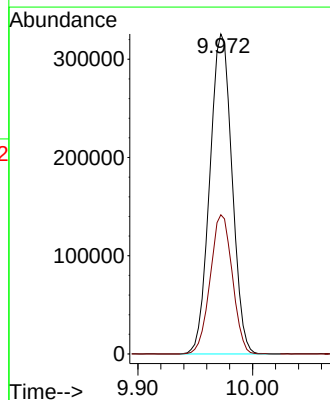
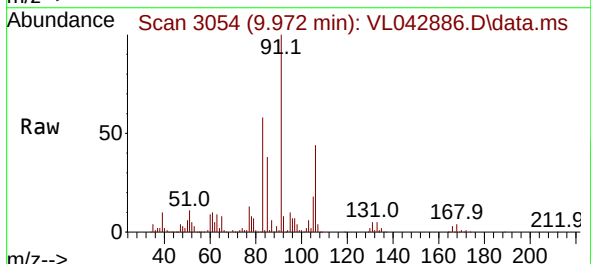
Acq: 26 Aug 2025 15:50

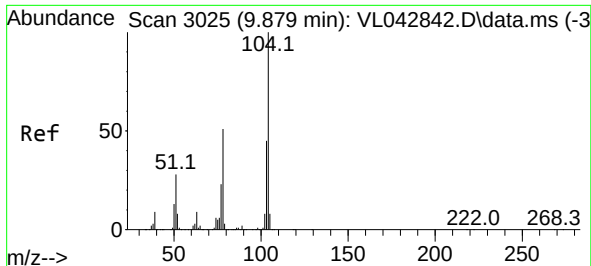
Tgt Ion: 91 Resp: 439486

Ion Ratio Lower Upper

91 100

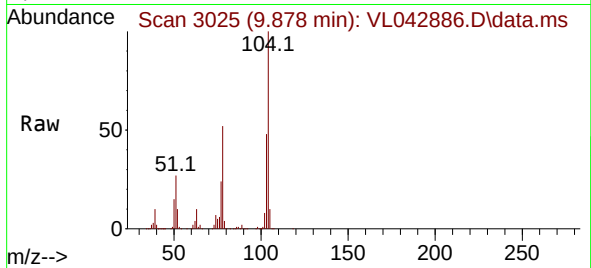
106 43.2 21.8 65.4





#61
Styrene
Concen: 10.036 ppbv
RT: 9.878 min Scan# 3025
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

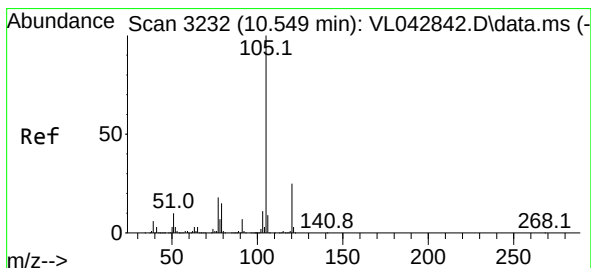
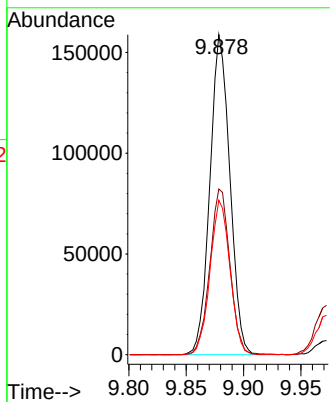
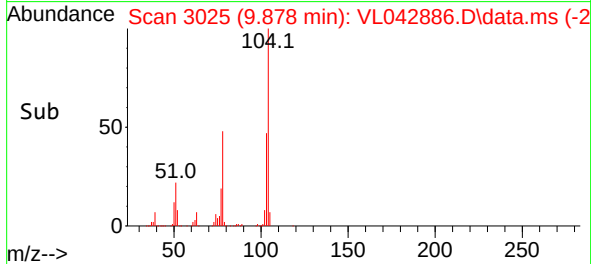
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



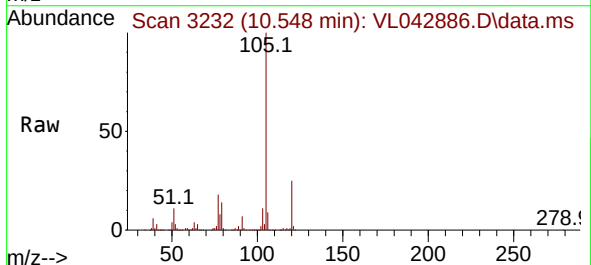
Tgt Ion:104 Resp: 192217
Ion Ratio Lower Upper
104 100
78 52.2 40.6 61.0
103 48.2 37.7 56.5

Manual Integrations
APPROVED

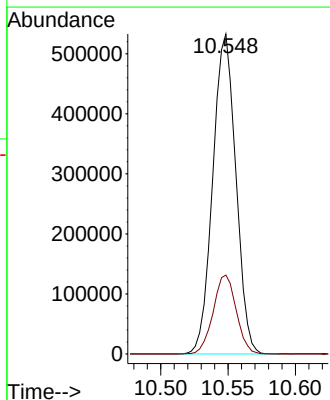
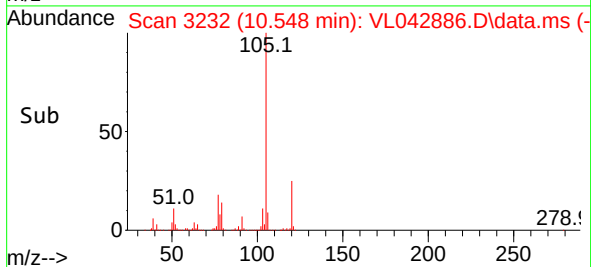
Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

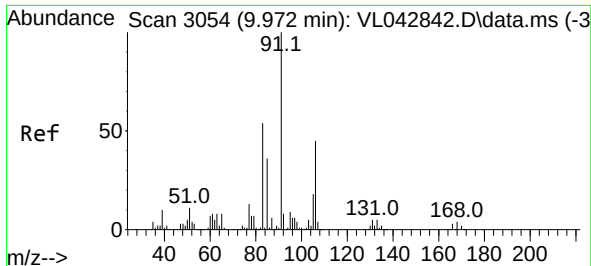


#62
Isopropylbenzene
Concen: 10.625 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50



Tgt Ion:105 Resp: 634755
Ion Ratio Lower Upper
105 100
120 24.6 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 10.974 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

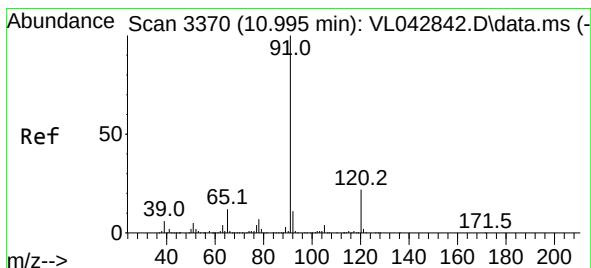
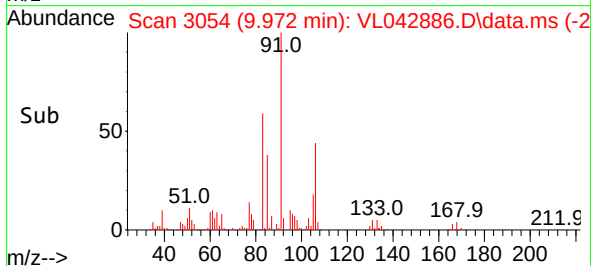
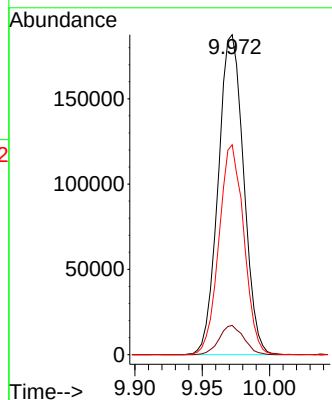
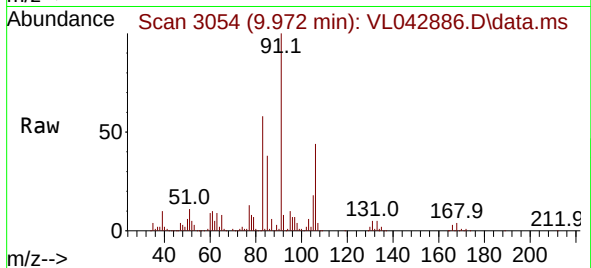
Tgt Ion: 83 Resp: 24670

Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.8	14.3
85	64.1	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025



#64

n-propylbenzene

Concen: 10.480 ppbv

RT: 10.995 min Scan# 3370

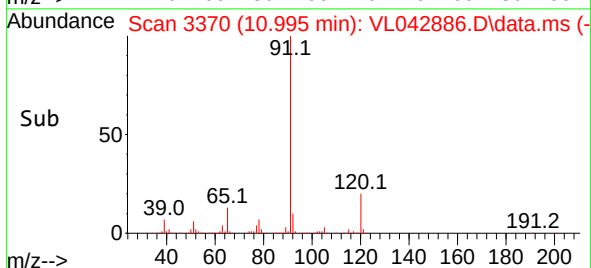
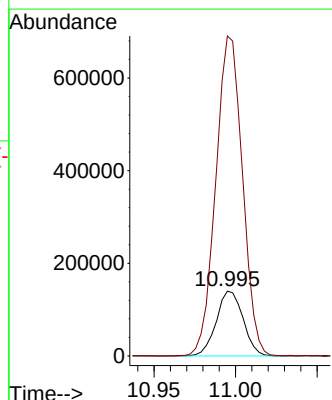
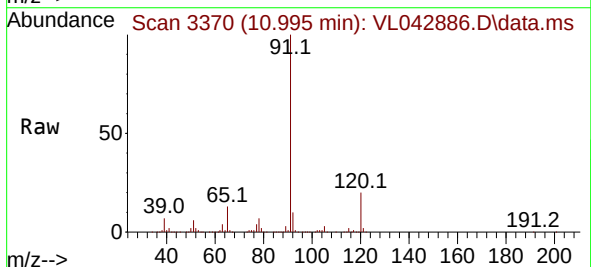
Delta R.T. -0.000 min

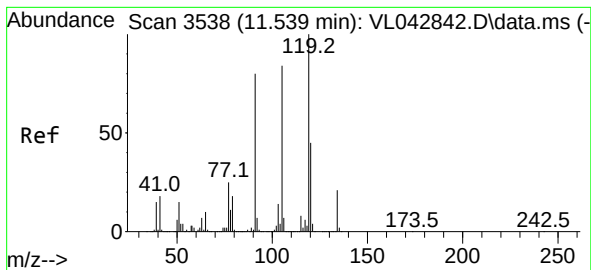
Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

Tgt Ion:120 Resp: 159751

Ion	Ratio	Lower	Upper
120	100		
91	493.6	375.8	563.6





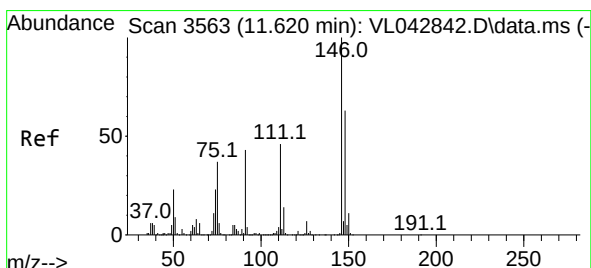
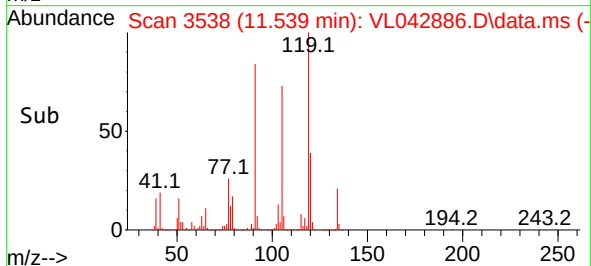
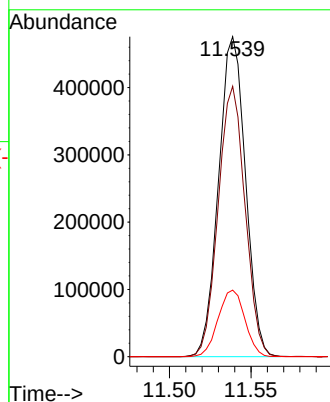
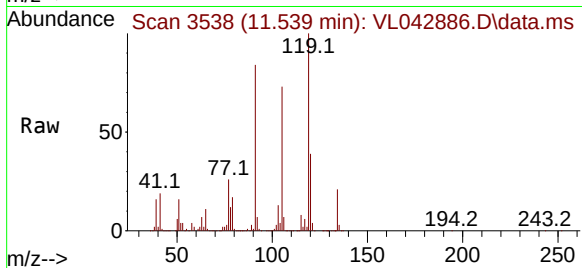
#65
tert-Butylbenzene
Concen: 10.352 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDC0010EC

Tgt Ion: 119 Resp: 54522
Ion Ratio Lower Upper
119 100
91 84.3 63.9 95.9
134 20.7 17.0 25.4

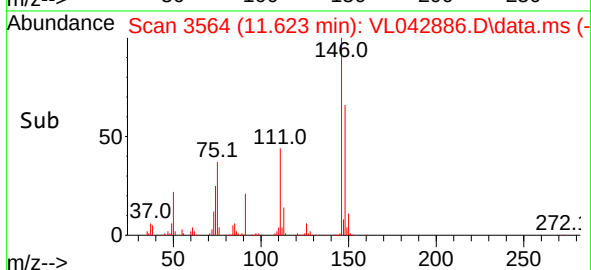
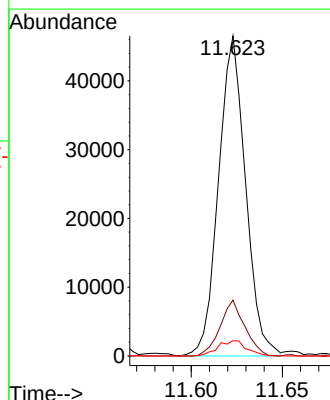
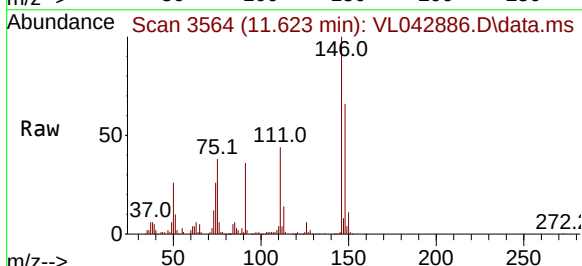
Manual Integrations
APPROVED

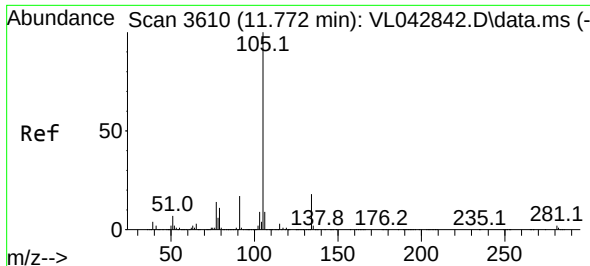
Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025



#66
Benzyl Chloride
Concen: 7.178 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.003 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

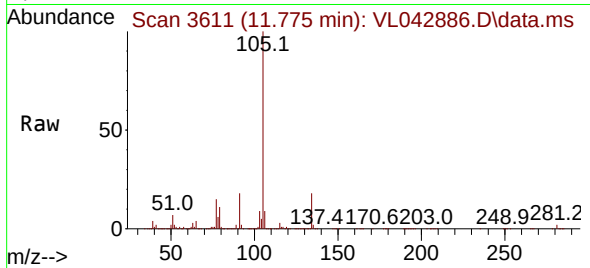
Tgt Ion: 91 Resp: 47994
Ion Ratio Lower Upper
91 100
126 16.0 14.2 21.4
128 5.1 5.0 7.6





#67
 sec-Butylbenzene
 Concen: 10.752 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. 0.003 min
 Lab File: VL042886.D
 Acq: 26 Aug 2025 15:50

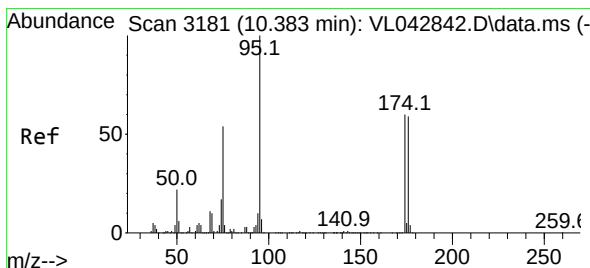
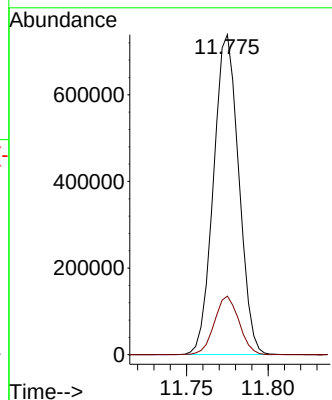
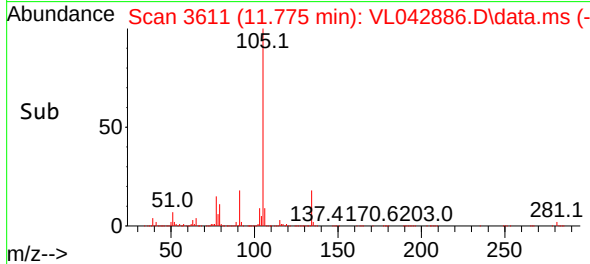
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



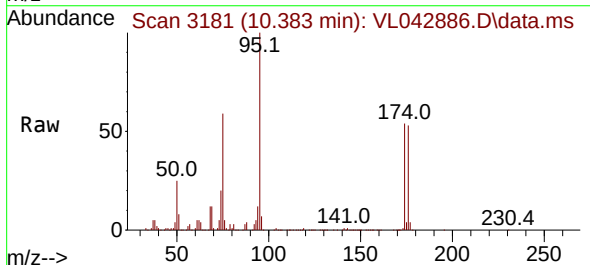
Tgt Ion:105 Resp: 79486
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.9 22.3

Manual Integrations
 APPROVED

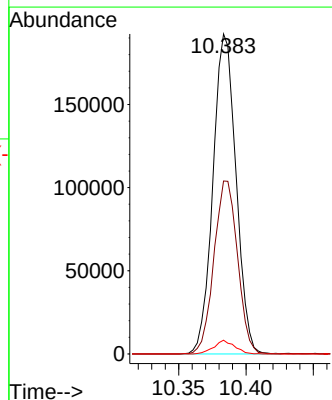
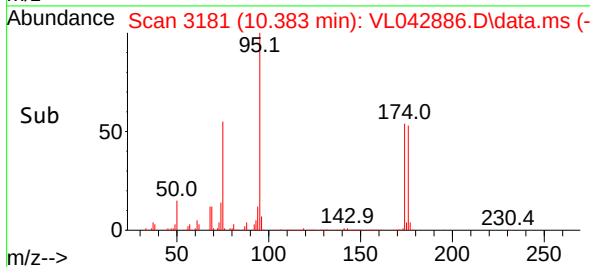
Reviewed By :Semsettin Yesilyurt 08/27/2025
 Supervised By :Mahesh Dadoda 08/27/2025

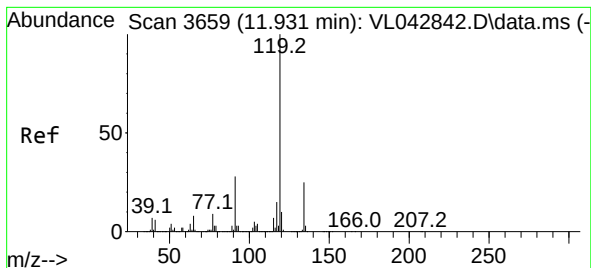


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.398 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. -0.000 min
 Lab File: VL042886.D
 Acq: 26 Aug 2025 15:50



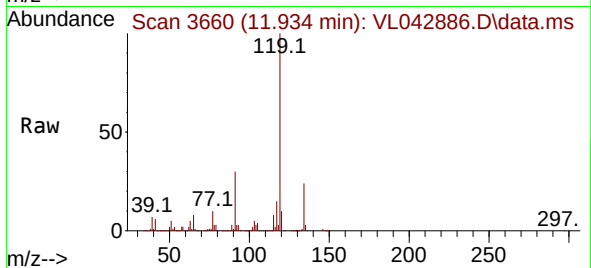
Tgt Ion: 95 Resp: 229118
 Ion Ratio Lower Upper
 95 100
 174 55.4 48.4 72.6
 175 3.8 3.8 5.8





#69
p-Isopropyltoluene
Concen: 10.179 ppbv
RT: 11.934 min Scan# 3659
Delta R.T. 0.003 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

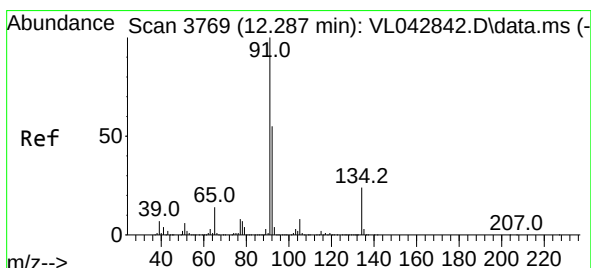
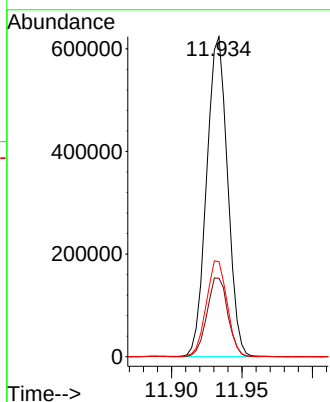
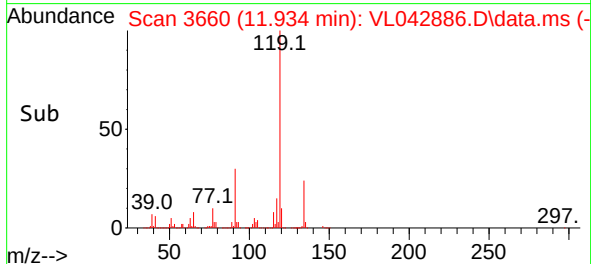
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



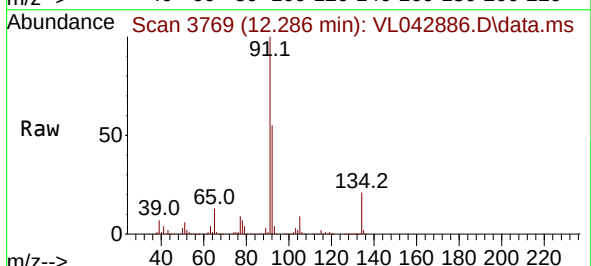
Tgt Ion: 119 Resp: 646050
Ion Ratio Lower Upper
119 100
134 24.7 20.6 30.8
91 30.0 22.6 34.0

Manual Integrations
APPROVED

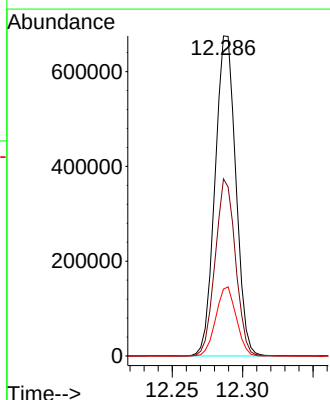
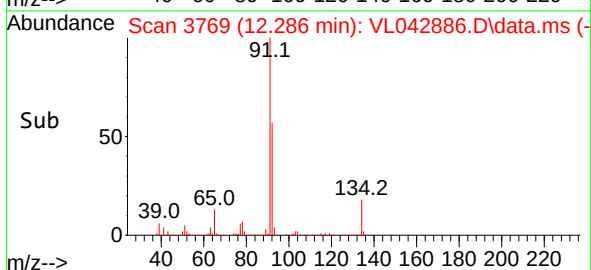
Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

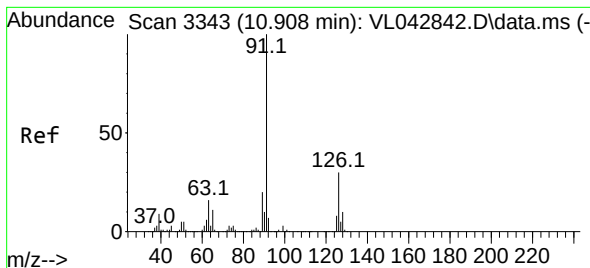


#70
n-Butylbenzene
Concen: 11.028 ppbv
RT: 12.286 min Scan# 3769
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50



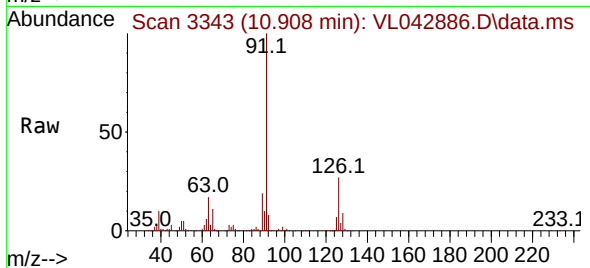
Tgt Ion: 91 Resp: 694190
Ion Ratio Lower Upper
91 100
92 54.1 44.6 66.8
134 21.2 19.0 28.4





#71
2-Chlorotoluene
Concen: 10.638 ppbv
RT: 10.908 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

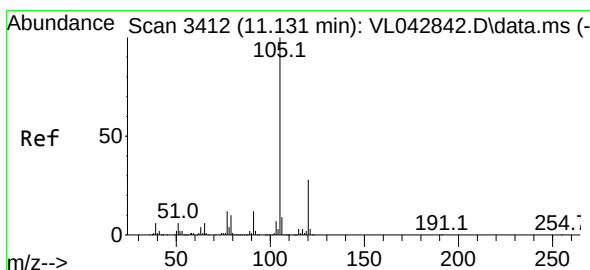
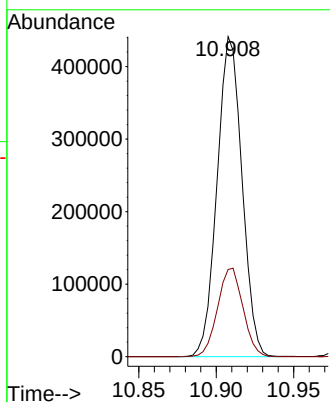
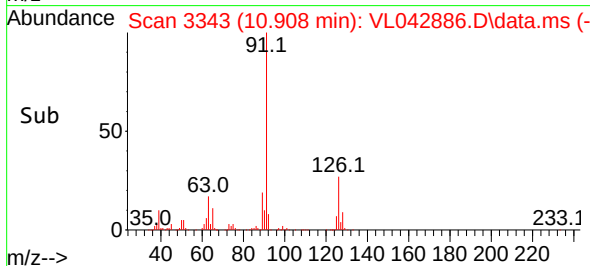
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



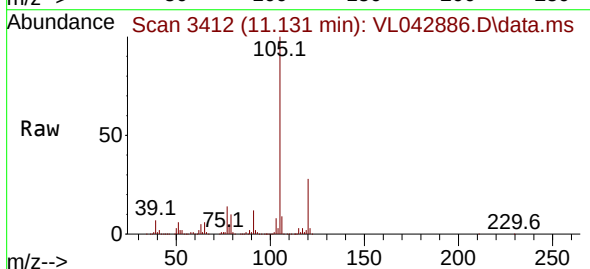
Tgt Ion: 91 Resp: 493514
Ion Ratio Lower Upper
91 100
126 28.2 12.0 47.8

Manual Integrations
APPROVED

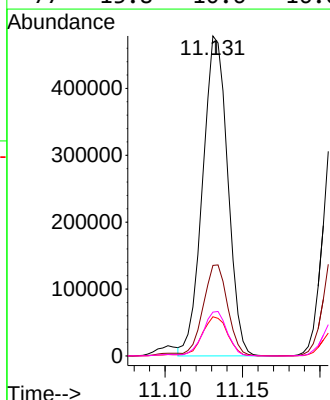
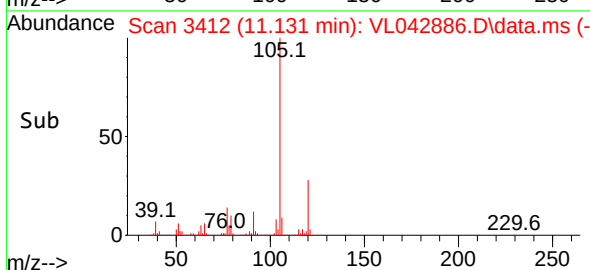
Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

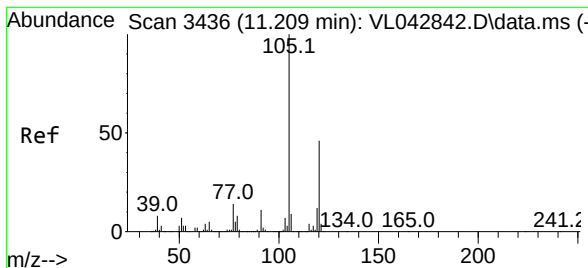


#72
4-Ethyltoluene
Concen: 10.860 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.000 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50



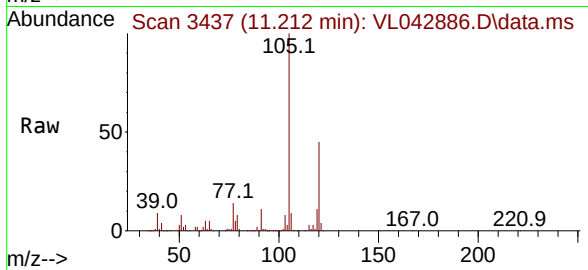
Tgt Ion:105 Resp: 538175
Ion Ratio Lower Upper
105 100
120 28.5 23.4 35.2
91 12.8 9.8 14.6
77 13.8 10.6 16.0





#73
1,3,5-Trimethylbenzene
Concen: 10.526 ppbv
RT: 11.212 min Scan# 3437
Delta R.T. 0.003 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50

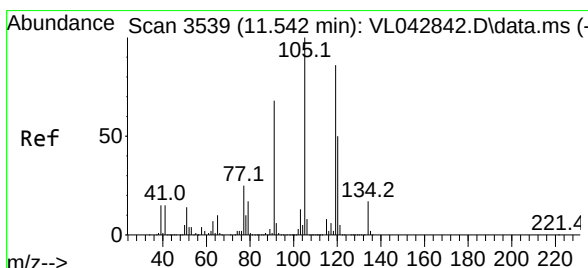
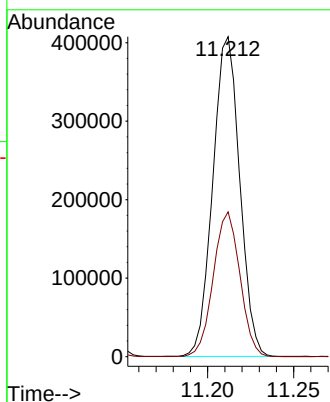
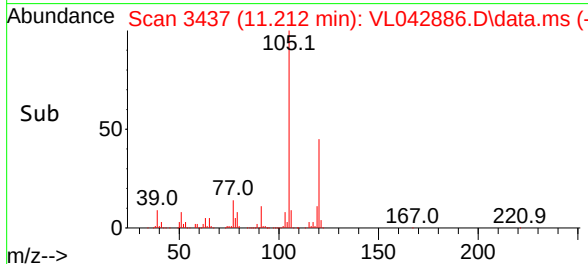
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



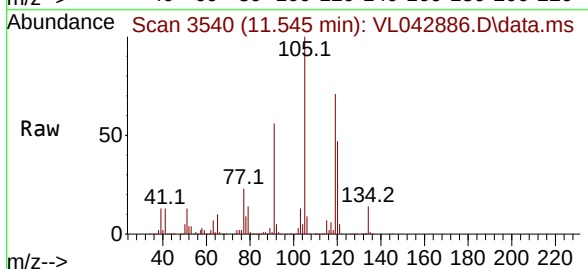
Tgt Ion:105 Resp: 443582
Ion Ratio Lower Upper
105 100
120 45.2 36.6 54.8

Manual Integrations
APPROVED

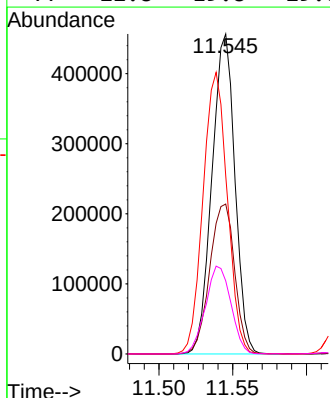
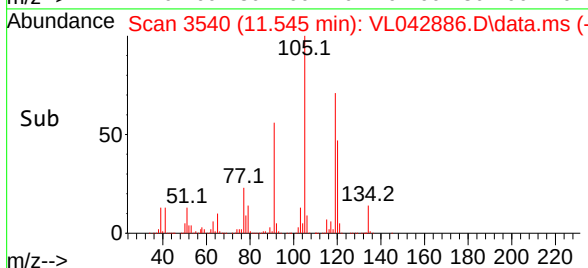
Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

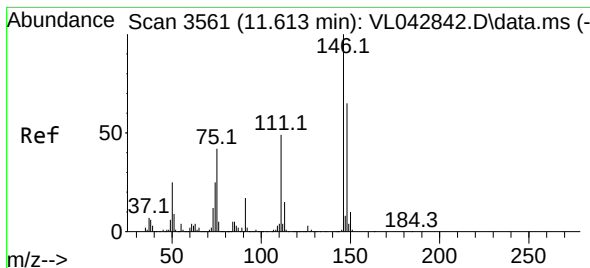


#74
1,2,4-Trimethylbenzene
Concen: 10.669 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.003 min
Lab File: VL042886.D
Acq: 26 Aug 2025 15:50



Tgt Ion:105 Resp: 493535
Ion Ratio Lower Upper
105 100
120 46.8 39.8 59.6
91 55.7 54.2 81.4
77 22.8 19.8 29.6





#75

1,3-Dichlorobenzene

Concen: 10.766 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. -0.000 min

Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

Instrument :

MSVOA_L

ClientSampleId :

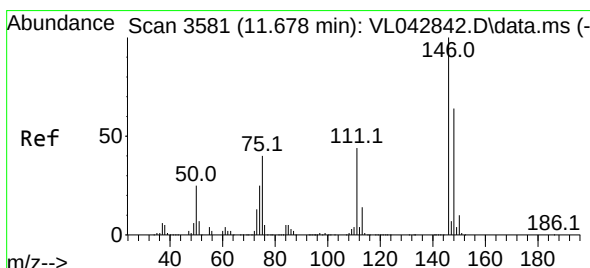
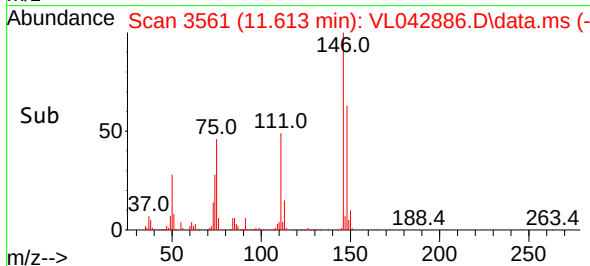
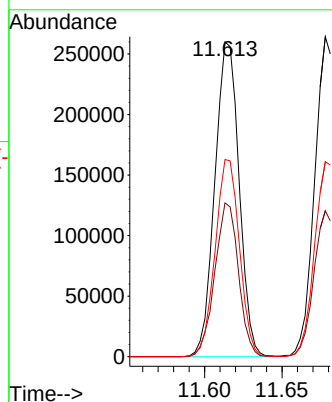
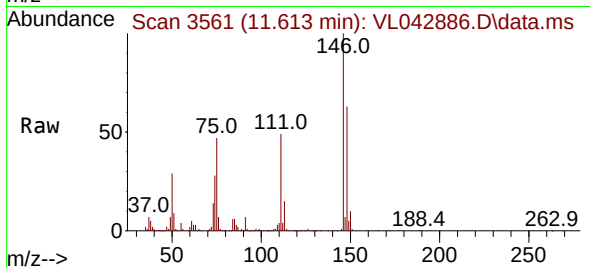
VSTDCCC010EC

Tgt Ion:146	Resp:	28310
Ion Ratio	Lower	Upper
146	100	
111	47.6	23.9 71.7
148	62.7	31.4 94.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025



#76

1,4-Dichlorobenzene

Concen: 10.436 ppbv

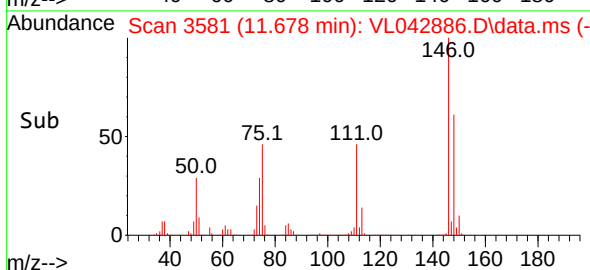
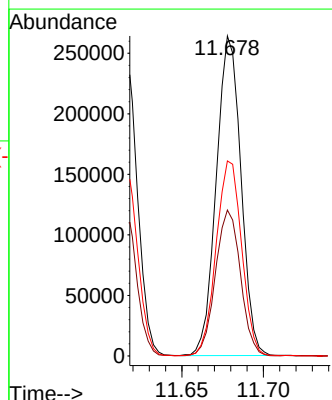
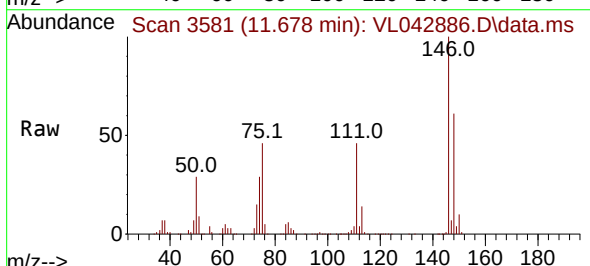
RT: 11.678 min Scan# 3581

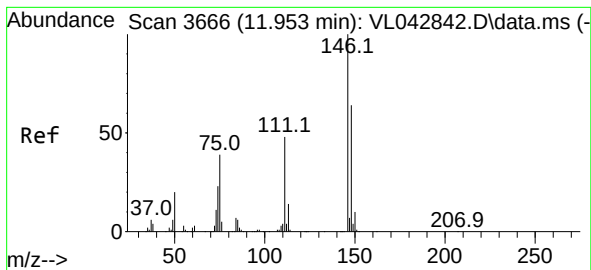
Delta R.T. -0.000 min

Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

Tgt Ion:146	Resp:	277550
Ion Ratio	Lower	Upper
146	100	
111	46.5	22.7 68.1
148	63.3	31.8 95.3





#77

1,2-Dichlorobenzene

Concen: 10.497 ppbv

RT: 11.956 min Scan# 3667

Delta R.T. 0.003 min

Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

Instrument :

MSVOA_L

ClientSampleId :

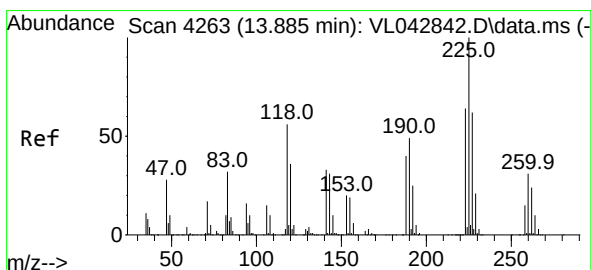
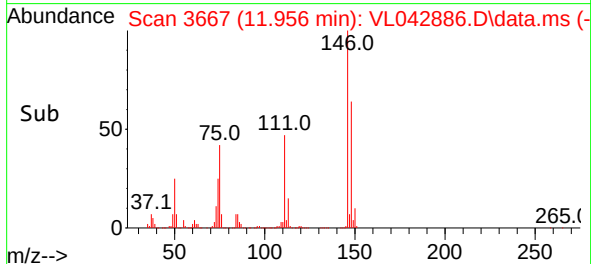
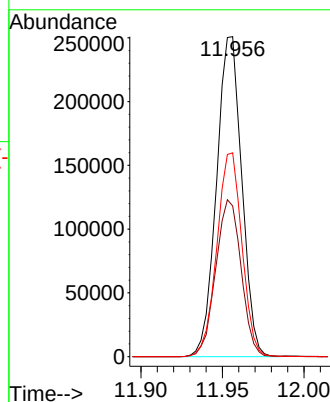
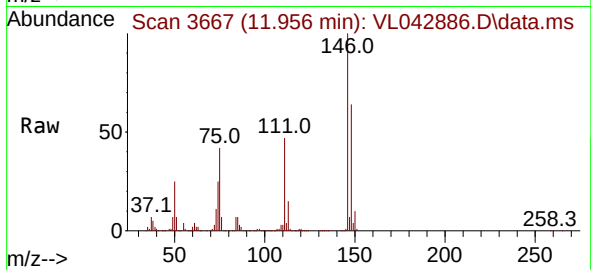
VSTDCCC010EC

Tgt Ion:146	Resp: 27028
Ion Ratio	Lower Upper
146	100
111	49.5 24.6 74.0
148	63.3 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025



#78

Hexachloro-1,3-Butadiene

Concen: 8.016 ppbv

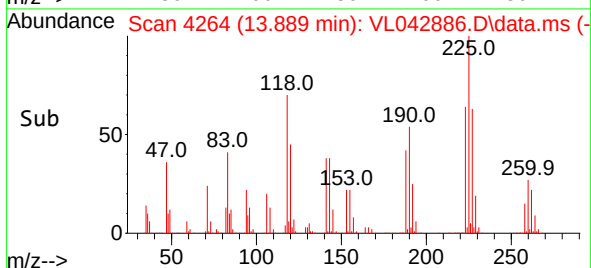
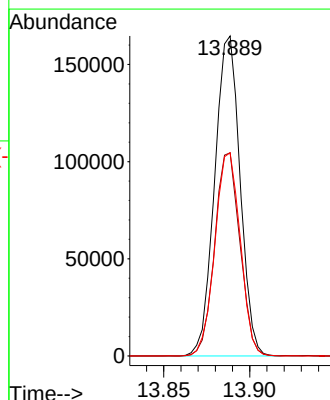
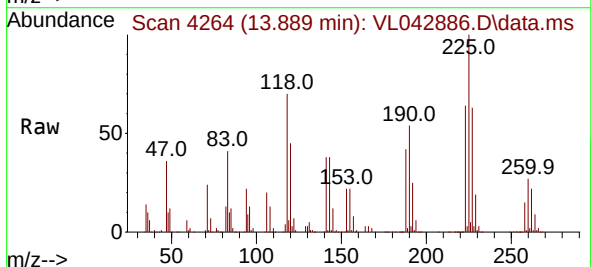
RT: 13.889 min Scan# 4264

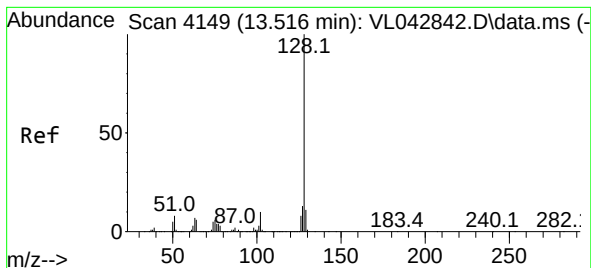
Delta R.T. 0.003 min

Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

Tgt Ion:225	Resp: 169181
Ion Ratio	Lower Upper
225	100
223	63.1 51.4 77.2
227	63.4 51.9 77.9





#79

Naphthalene

Concen: 10.287 ppbv

RT: 13.520 min Scan# 4149

Delta R.T. 0.003 min

Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

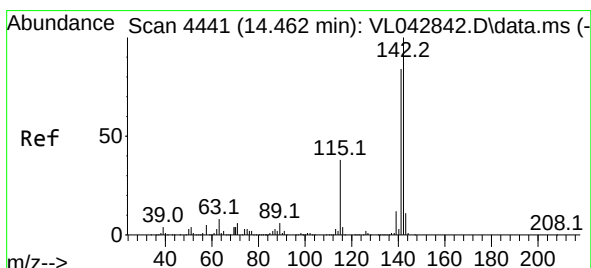
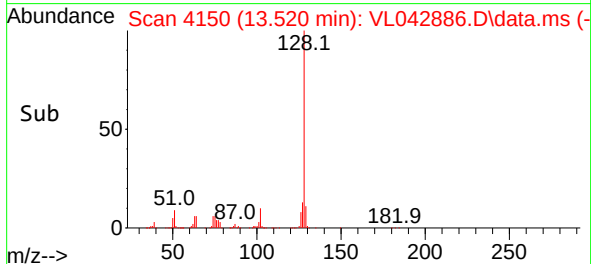
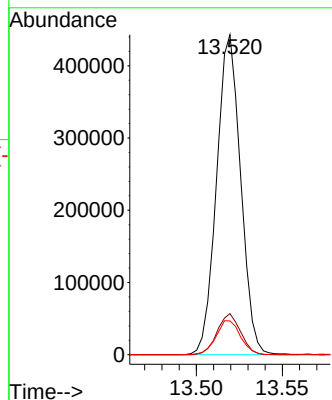
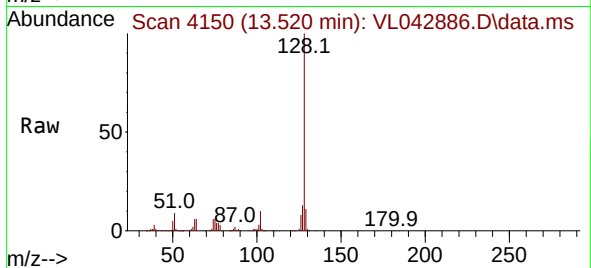
Tgt Ion:128 Resp: 43140

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.6	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025



#80

Naphthalene,2-methyl-

Concen: 8.148 ppbv

RT: 14.461 min Scan# 4441

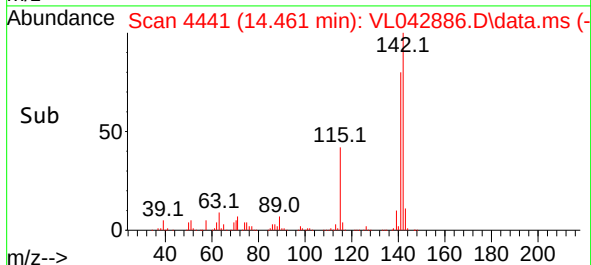
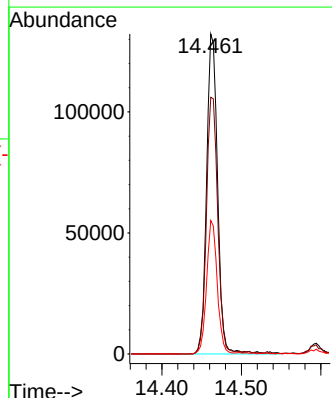
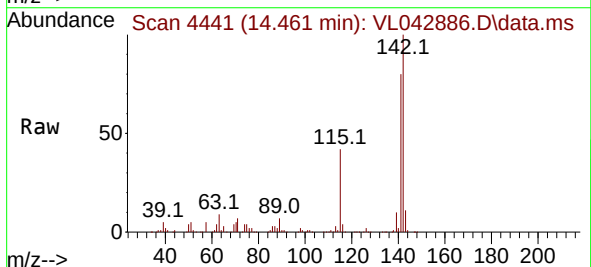
Delta R.T. -0.000 min

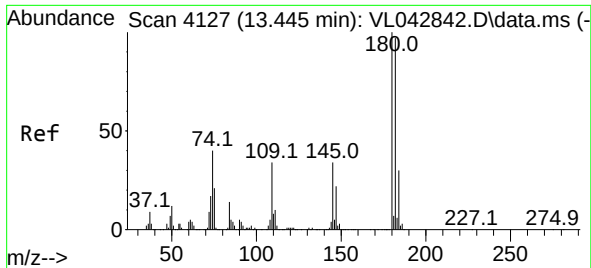
Lab File: VL042886.D

Acq: 26 Aug 2025 15:50

Tgt Ion:142 Resp: 127685

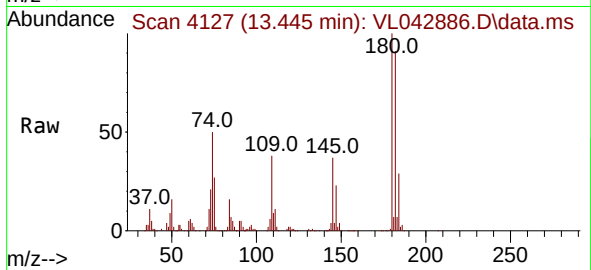
Ion	Ratio	Lower	Upper
142	100		
141	83.8	67.0	100.6
115	40.8	30.9	46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.892 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042886.D
 Acq: 26 Aug 2025 15:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion:180 Resp: 208509
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.9 115.3
 184 29.4 24.5 36.7

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/27/2025
 Supervised By :Mahesh Dadoda 08/27/2025

