

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
 Data File : VL041837.D
 Acq On : 07 Jan 2025 08:48
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Jan 08 01:19:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Jan 08 01:18:22 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/09/2025
 Supervised By : Mahesh Dadoda 01/09/2025

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

Internal Standards						
1) Bromochloromethane	2.800	49	95155	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.982	114	223631	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	186235	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	160501	10.062	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.600%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.502	85	8262	0.529	ppbv	98
3) Chlorodifluoromethane	1.480	51	7531	0.505	ppbv	100
4) Chloromethane	1.538	50	3336	0.520	ppbv	99
5) Vinyl Chloride	1.587	62	2939	0.454	ppbv	96
6) Bromomethane	1.671	94	1459	0.526	ppbv	96
7) Chloroethane	1.710	64	1302	0.522	ppbv	100
8) Dichlorotetrafluoroethane	1.561	85	7015	0.521	ppbv	98
9) Propene	1.489	41	2286	0.440	ppbv	89
10) Heptane	5.008	43	4403m	0.343	ppbv	
11) Trichlorofluoromethane	1.884	101	7790	0.491	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.153	101	5937	0.502	ppbv	99
13) Ethanol	1.729	45	595	0.997	ppbv	88
14) Bromoethene	1.790	108	1692	0.437	ppbv #	67
15) Acetone	1.845	43	9962	0.569	ppbv	91
16) 1,3-Butadiene	1.616	39	3790	0.552	ppbv #	83
17) tert-Butyl alcohol	2.053	59	7630	0.503	ppbv	99
18) 1,1-Dichloroethene	2.043	96	2684	0.542	ppbv	95
19) Isopropyl Alcohol	1.897	45	4104	0.499	ppbv #	96
20) Methylene Chloride	2.069	84	3205	0.640	ppbv #	94
21) Allyl Chloride	2.108	41	4552	0.504	ppbv	89
22) trans-1,2-Dichloroethene	2.350	96	2688	0.486	ppbv	79
23) Vinyl Acetate	2.473	43	2750	0.489	ppbv #	73
24) 1,1-Dichloroethane	2.418	63	6156	0.508	ppbv #	95
25) Ethyl Acetate	2.855	43	12162	0.414	ppbv #	96
26) Hexane	2.842	57	3899	0.382	ppbv #	73
27) Carbon Disulfide	2.159	76	4188	0.433	ppbv #	1
28) Methyl tert-Butyl Ether	2.454	73	3792	0.493	ppbv	99
29) Chloroform	2.862	83	9345	0.493	ppbv	92
30) Cyclohexane	3.872	84	2405m	0.311	ppbv	
31) cis-1,2-Dichloroethene	2.732	61	4510	0.430	ppbv	96
32) 1,1,1-Trichloroethane	3.383	97	7876	0.459	ppbv	95
34) 2-Butanone	2.577	43	7755	0.440	ppbv	95
35) Carbon Tetrachloride	3.784	117	8164	0.483	ppbv	88
36) Benzene	3.677	78	9013	0.422	ppbv	96
37) 1,2-Dichloroethane	3.234	62	6912	0.492	ppbv	100
38) Trichloroethene	4.574	130	3460m	0.413	ppbv	
39) 1,2-Dichloropropane	4.334	63	4294m	0.520	ppbv	
40) 1,4-Dioxane	4.635	88	1115m	0.348	ppbv	
41) Tetrahydrofuran	3.082	42	3192	0.384	ppbv	90
42) Bromodichloromethane	4.516	83	7779m	0.472	ppbv	
43) Methyl Methacrylate	4.917	69	2283m	0.340	ppbv	
44) 2,2,4-Trimethylpentane	4.668	57	12798m	0.364	ppbv	
45) t-1,3-Dichloropropene	6.448	75	2629	0.401	ppbv #	86

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Instrument :
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 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/09/2025
 Supervised By : Mahesh Dadoda 01/09/2025

Quant Time: Jan 08 01:19:10 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M

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

QLast Update : Wed Jan 08 01:18:22 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	3545m	0.411	ppbv	
47) 1,1,2-Trichloroethane	6.616	97	3957m	0.453	ppbv	
48) Dibromochloromethane	7.412	129	4777m	0.429	ppbv	
49) Bromoform	9.500	173	3642	0.408	ppbv	97
50) 4-Methyl-2-Pentanone	5.807	43	7227m	0.355	ppbv	
51) 2-Hexanone	7.471	43	4580m	0.297	ppbv	
52) Tetrachloroethene	8.244	164	3228m	0.510	ppbv	
53) Toluene	6.966	91	6324m	0.332	ppbv	
54) 1,2-Dibromoethane	7.678	107	4936	0.461	ppbv #	75
56) 1,1,1,2-Tetrachloroethane	8.943	131	5258	0.495	ppbv #	1
57) Chlorobenzene	8.940	112	9903	0.509	ppbv #	85
58) Ethyl Benzene	9.374	91	7921	0.312	ppbv	99
59) m/p-Xylene	9.568	91	13299m	0.593	ppbv	
60) o-Xylene	9.986	91	6160	0.283	ppbv	97
61) Styrene	9.895	104	2670m	0.316	ppbv	
62) Isopropylbenzene	10.558	105	11291	0.330	ppbv	96
63) 1,1,2,2-Tetrachloroethane	9.982	83	9136	0.478	ppbv	96
64) n-propylbenzene	11.008	120	2671	0.304	ppbv	98
65) tert-Butylbenzene	11.552	119	8701	0.282	ppbv	97
66) Benzyl Chloride	11.633	91	1132	0.439	ppbv #	87
67) sec-Butylbenzene	11.785	105	12985	0.288	ppbv	99
69) p-Isopropyltoluene	11.941	119	10032	0.284	ppbv	95
70) n-Butylbenzene	12.297	91	9747	0.274	ppbv	99
71) 2-Chlorotoluene	10.918	91	8206	0.330	ppbv	100
72) 4-Ethyltoluene	11.141	105	7403	0.281	ppbv	98
73) 1,3,5-Trimethylbenzene	11.219	105	6330	0.274	ppbv	99
74) 1,2,4-Trimethylbenzene	11.552	105	7641	0.286	ppbv #	88
75) 1,3-Dichlorobenzene	11.623	146	7551	0.422	ppbv	100
76) 1,4-Dichlorobenzene	11.688	146	6728	0.391	ppbv	98
77) 1,2-Dichlorobenzene	11.963	146	7641	0.410	ppbv	97
78) Hexachloro-1,3-Butadiene	13.899	225	5579	0.421	ppbv	99
79) Naphthalene	13.530	128	4739	0.241	ppbv #	96
80) Naphthalene,2-methyl-	14.475	142	1462	0.201	ppbv	98
81) 1,2,4-Trichlorobenzene	13.455	180	3607	0.330	ppbv	95

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

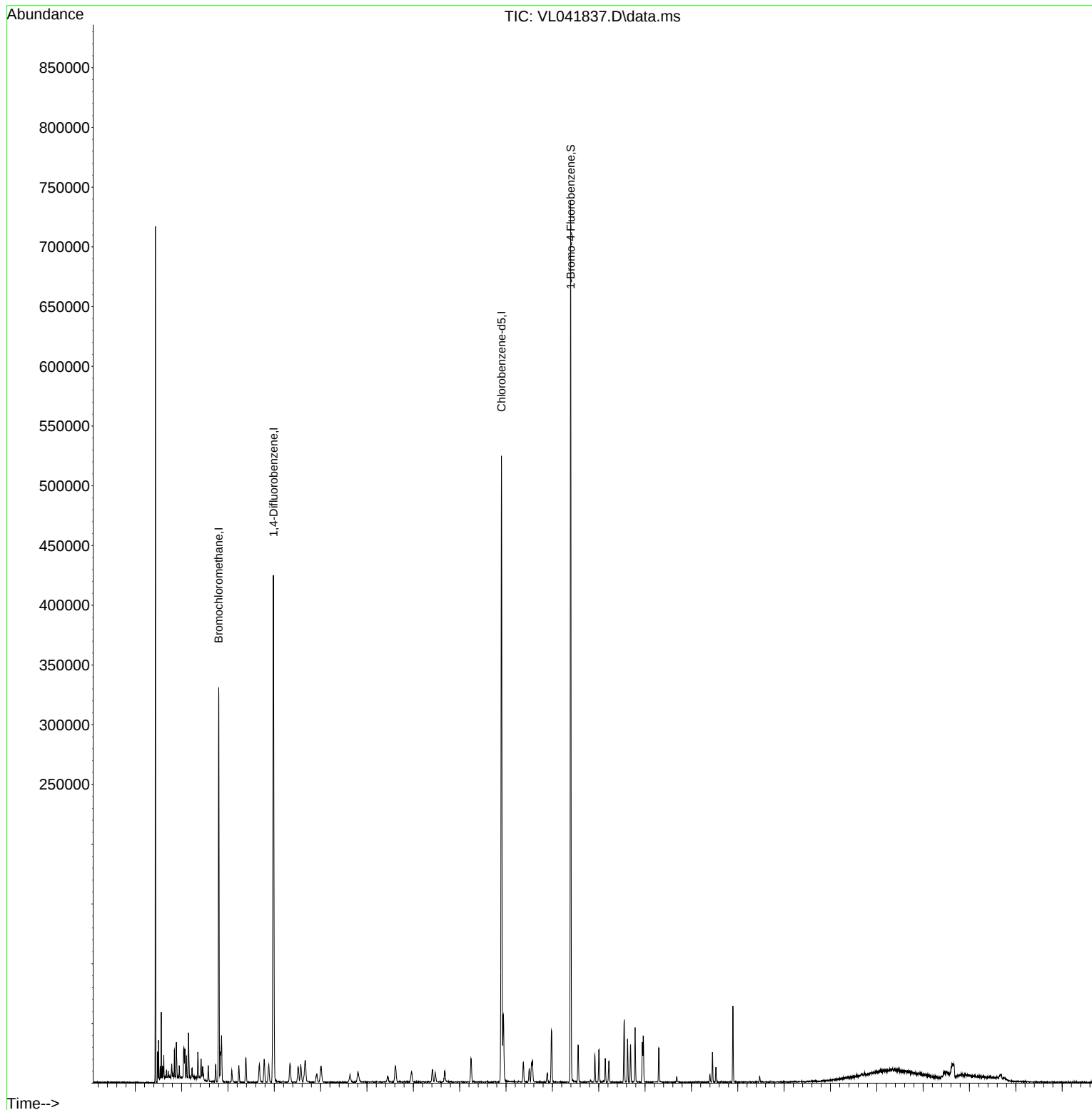
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041837.D
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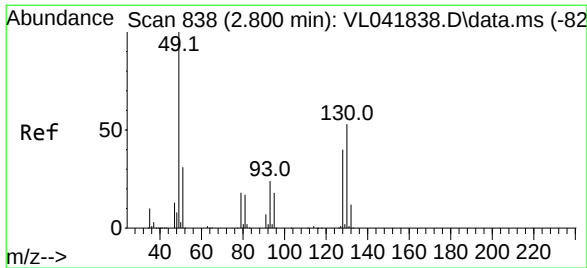
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

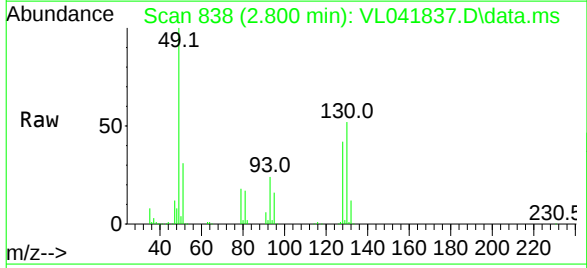
Quant Time: Jan 08 01:19:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. 0.000 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

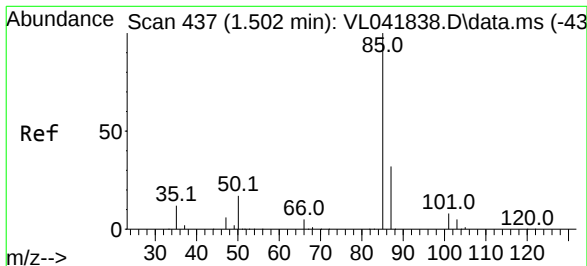
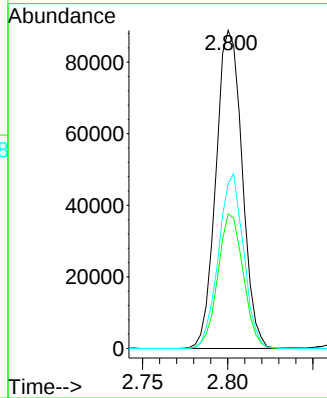
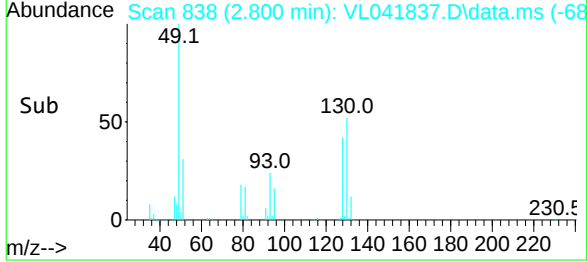
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



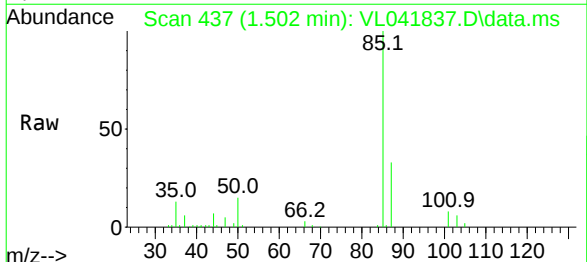
Tgt Ion: 49 Resp: 95155
Ion Ratio Lower Upper
49 100
128 41.1 19.7 59.1
130 52.6 26.4 79.2

Manual Integrations
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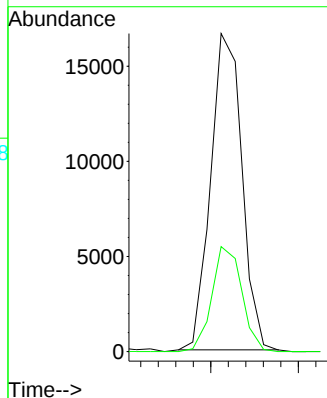
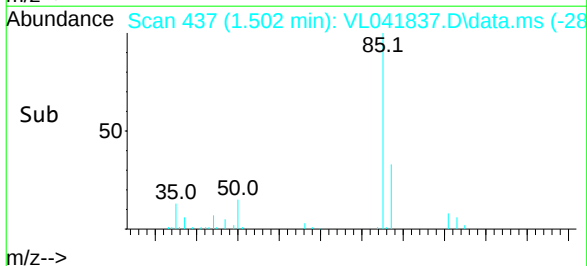
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

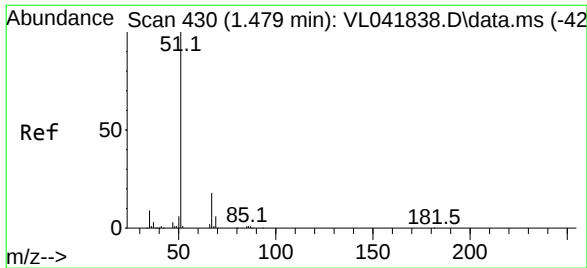


#2
Dichlorodifluoromethane
Concen: 0.529 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48



Tgt Ion: 85 Resp: 8262
Ion Ratio Lower Upper
85 100
87 33.2 25.6 38.4





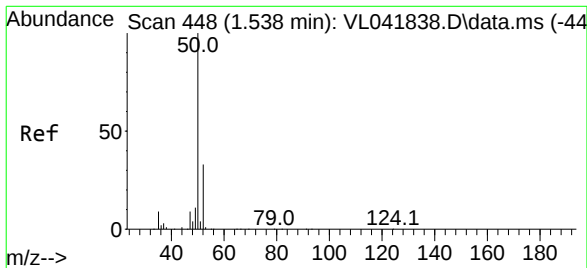
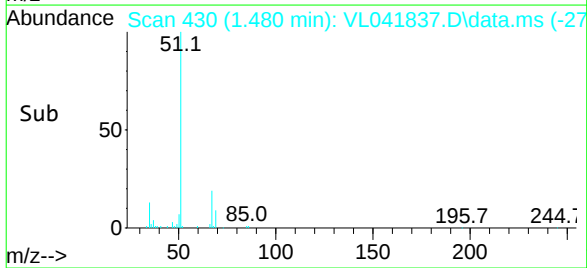
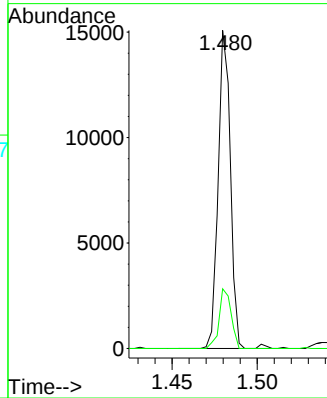
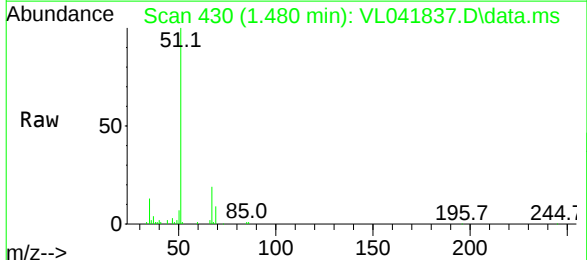
#3
Chlorodifluoromethane
Concen: 0.505 ppbv
RT: 1.480 min Scan# 430
Delta R.T. 0.000 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 51 Resp: 7531
Ion Ratio Lower Upper
51 100
67 18.4 14.6 22.0

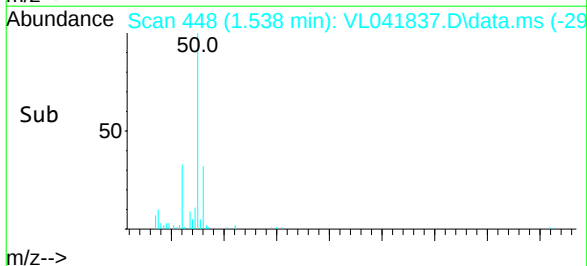
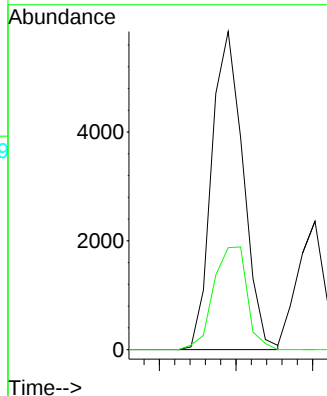
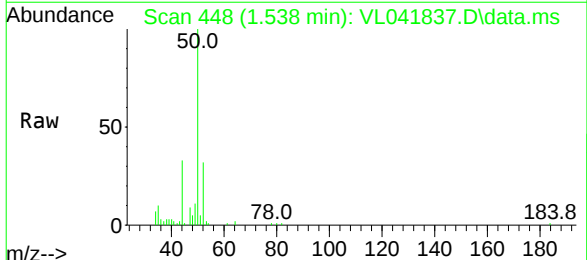
Manual Integrations
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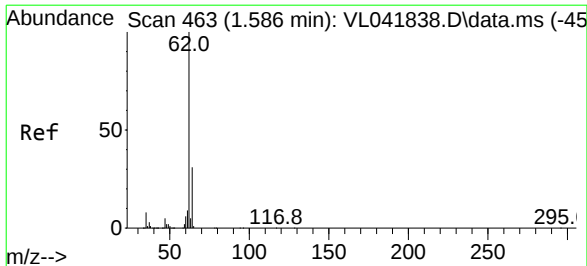
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#4
Chloromethane
Concen: 0.520 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Tgt Ion: 50 Resp: 3336
Ion Ratio Lower Upper
50 100
52 32.0 26.1 39.1





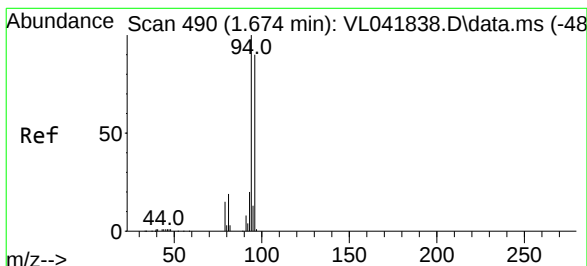
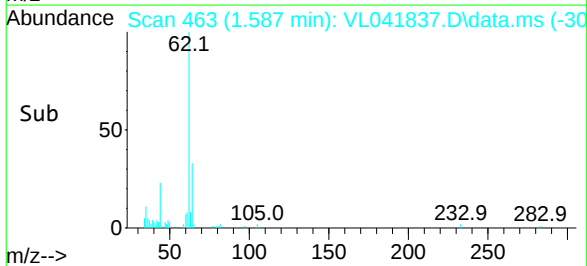
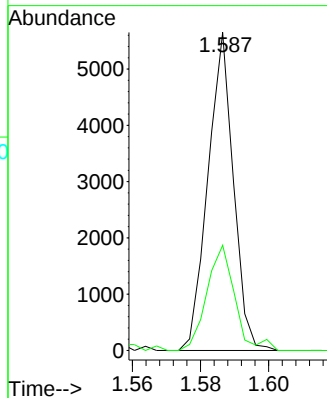
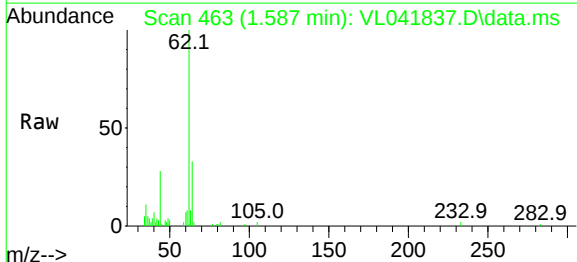
#5
 Vinyl Chloride
 Concen: 0.454 ppbv
 RT: 1.587 min Scan# 463
 Delta R.T. 0.000 min
 Lab File: VL041837.D
 Acq: 07 Jan 2025 08:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 62 Resp: 2939
 Ion Ratio Lower Upper
 62 100
 64 33.1 24.9 37.3

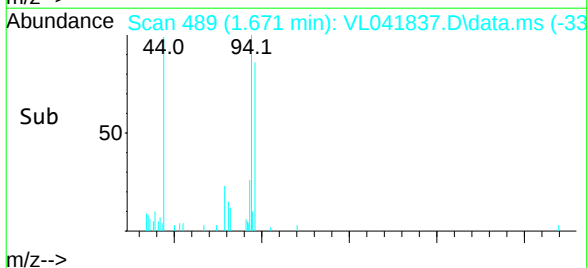
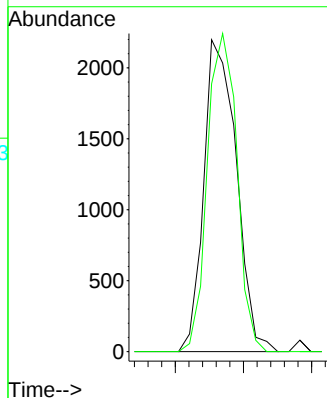
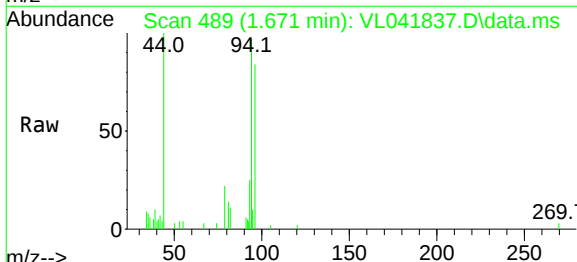
Manual Integrations
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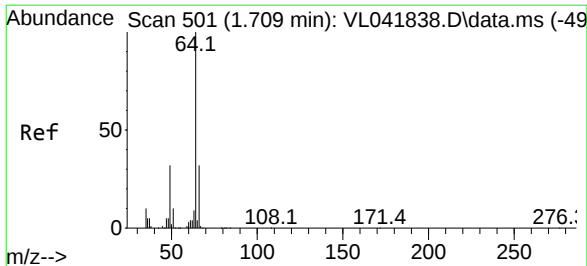
Reviewed By :Semsettin Yesilyurt 01/09/2025
 Supervised By :Mahesh Dadoda 01/09/2025



#6
 Bromomethane
 Concen: 0.526 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. -0.003 min
 Lab File: VL041837.D
 Acq: 07 Jan 2025 08:48

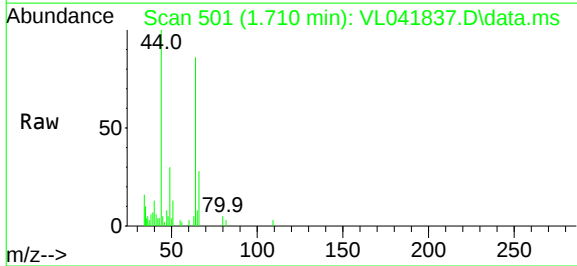
Tgt Ion: 94 Resp: 1459
 Ion Ratio Lower Upper
 94 100
 96 85.9 72.0 108.0





#7
Chloroethane
Concen: 0.522 ppbv
RT: 1.710 min Scan# 501
Delta R.T. 0.000 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

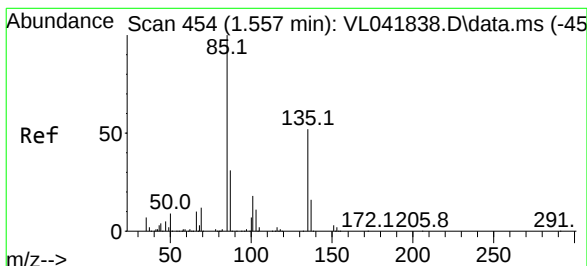
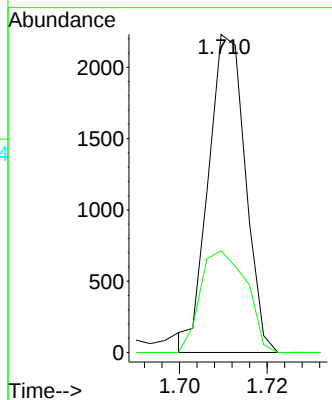
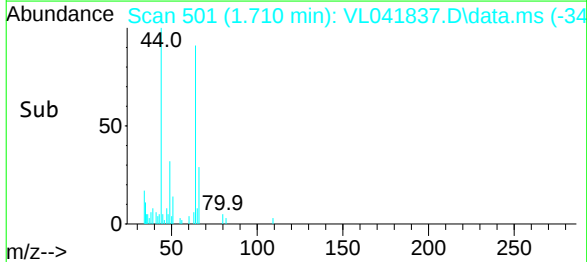
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 64 Resp: 1302
Ion Ratio Lower Upper
64 100
66 32.0 25.6 38.4

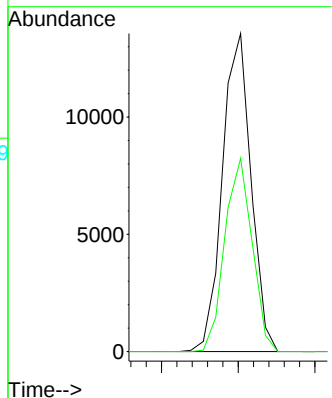
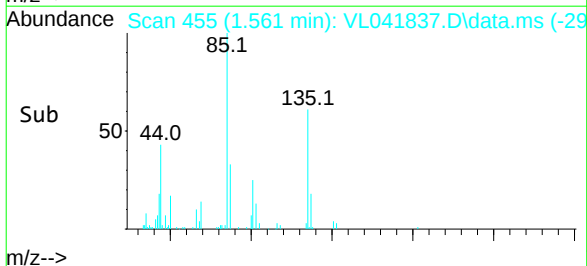
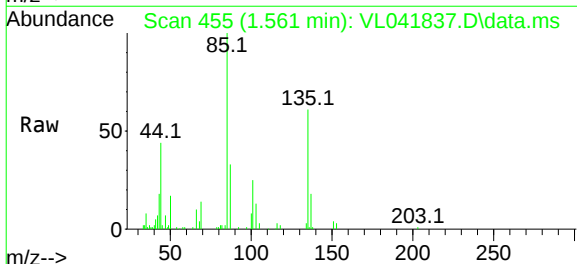
Manual Integrations
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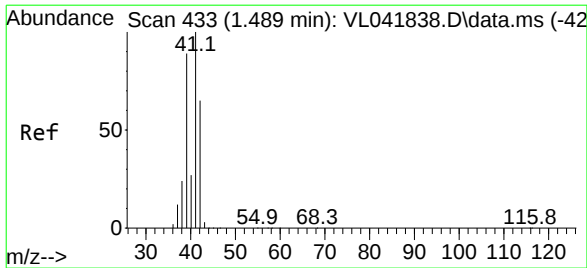
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#8
Dichlorotetrafluoroethane
Concen: 0.521 ppbv
RT: 1.561 min Scan# 455
Delta R.T. 0.004 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Tgt Ion: 85 Resp: 7015
Ion Ratio Lower Upper
85 100
135 58.2 47.9 71.9





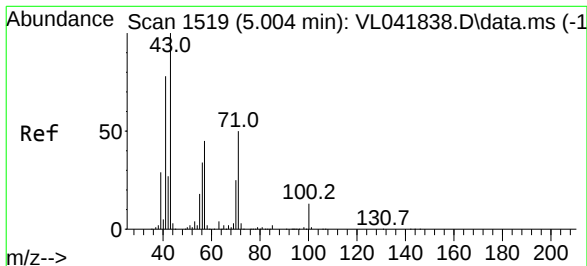
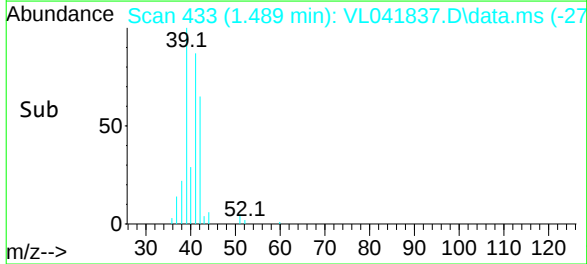
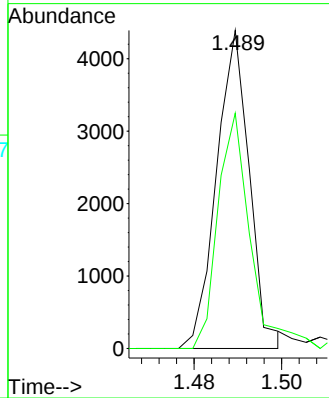
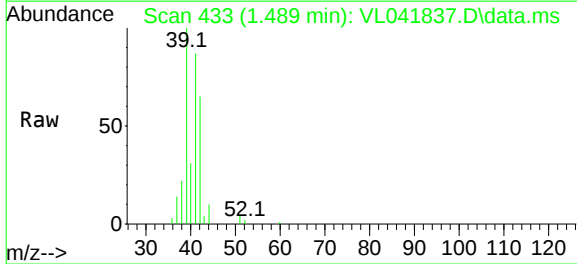
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Propene
Concen: 0.440 ppbv
RT: 1.489 min Scan# 43
Delta R.T. 0.000 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 41 Resp: 2286
Ion Ratio Lower Upper
41 100
42 76.4 53.9 80.9

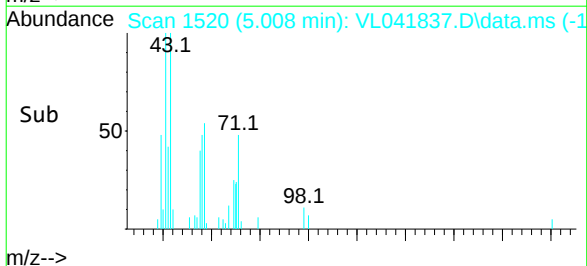
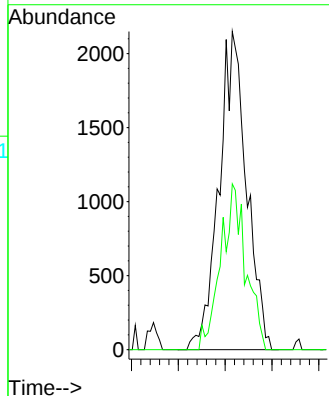
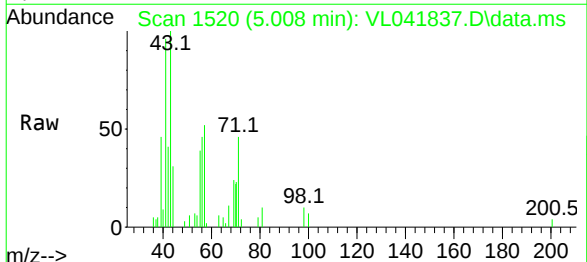
Manual Integrations
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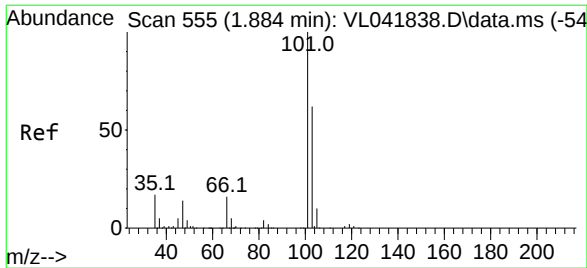
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#10
Heptane
Concen: 0.343 ppbv m
RT: 5.008 min Scan# 1520
Delta R.T. 0.004 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Tgt Ion: 43 Resp: 4403
Ion Ratio Lower Upper
43 100
57 47.1 37.8 56.6





#11

Trichlorofluoromethane

Concen: 0.491 ppbv

RT: 1.884 min Scan# 555

Delta R.T. 0.000 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:101 Resp: 7790

Ion Ratio Lower Upper

101 100

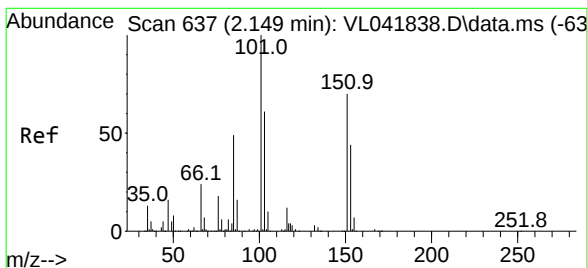
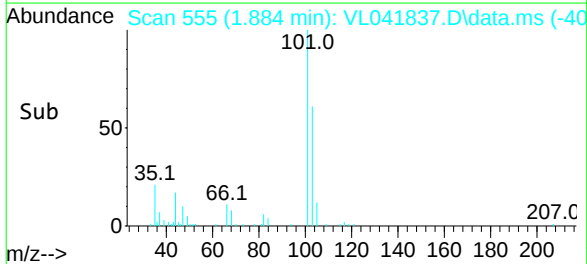
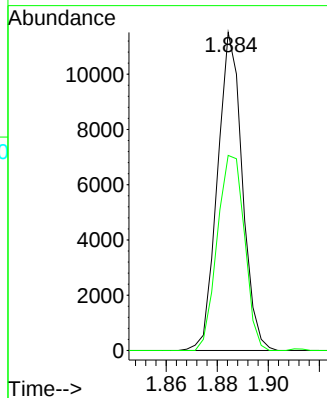
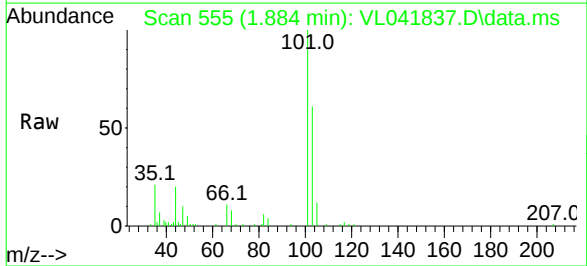
103 61.3 49.4 74.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025

Supervised By :Mahesh Dadoda 01/09/2025



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.502 ppbv

RT: 2.153 min Scan# 638

Delta R.T. 0.004 min

Lab File: VL041837.D

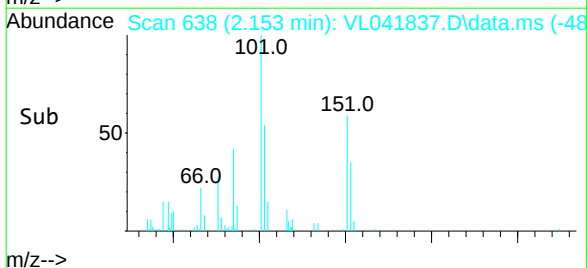
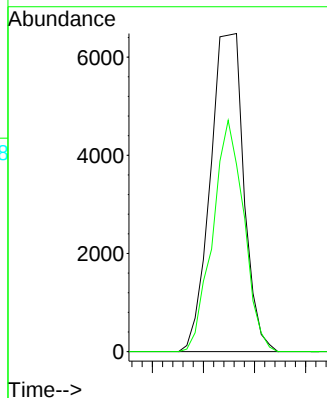
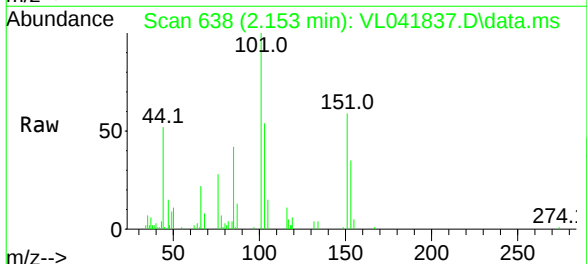
Acq: 07 Jan 2025 08:48

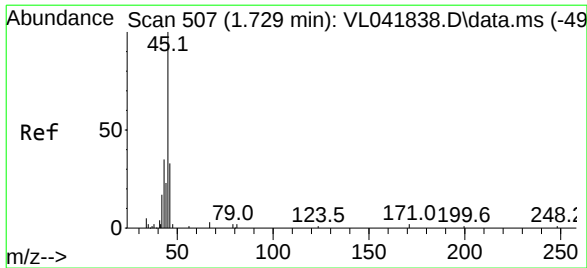
Tgt Ion:101 Resp: 5937

Ion Ratio Lower Upper

101 100

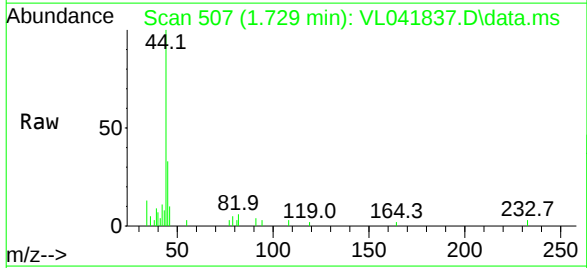
151 67.3 53.2 79.8





#13
Ethanol
Concen: 0.997 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.000 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

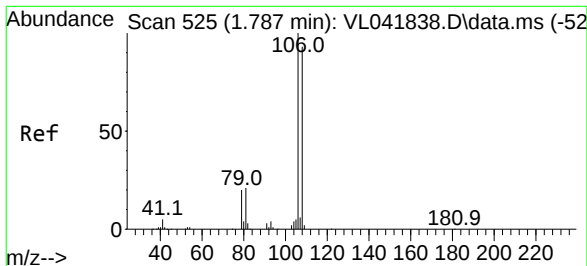
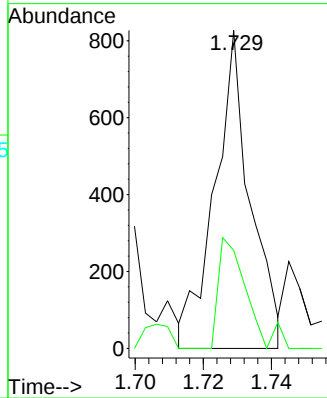
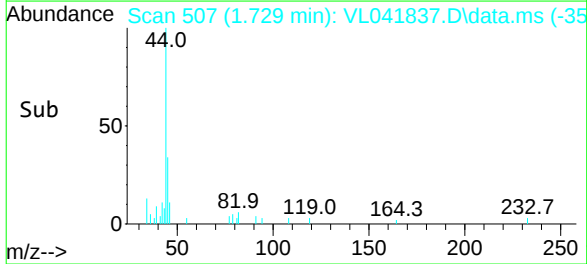
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



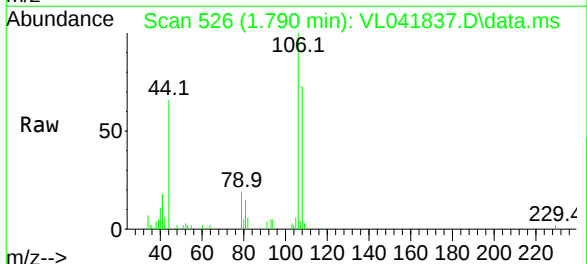
Tgt Ion: 45 Resp: 595
Ion Ratio Lower Upper
45 100
46 43.7 14.6 58.2

Manual Integrations
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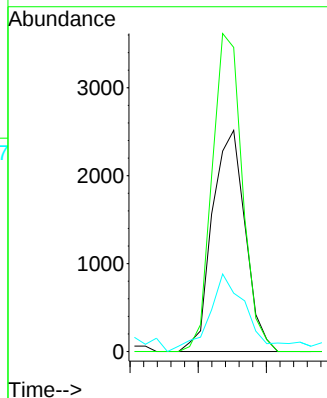
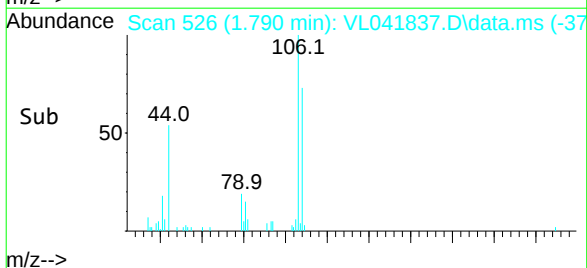
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

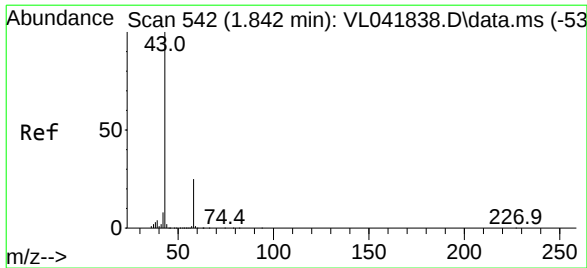


#14
Bromoethene
Concen: 0.437 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.004 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48



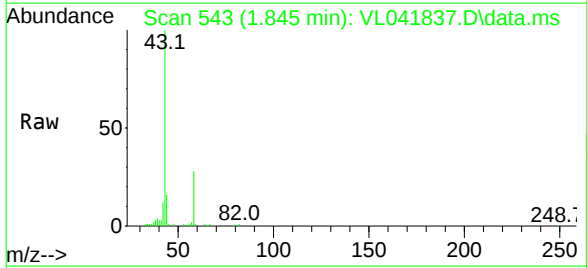
Tgt Ion:108 Resp: 1692
Ion Ratio Lower Upper
108 100
106 131.6 84.6 126.8#
79 57.7 18.3 27.5#





#15
Acetone
Concen: 0.569 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.004 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

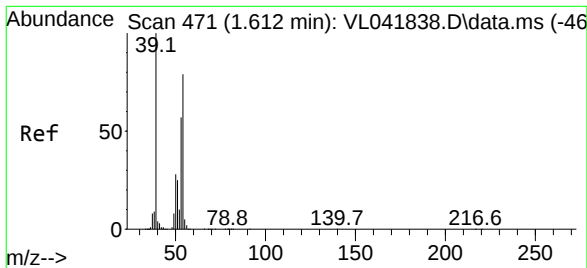
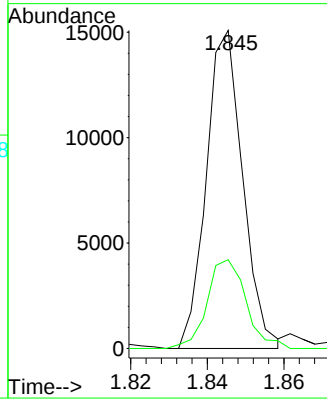
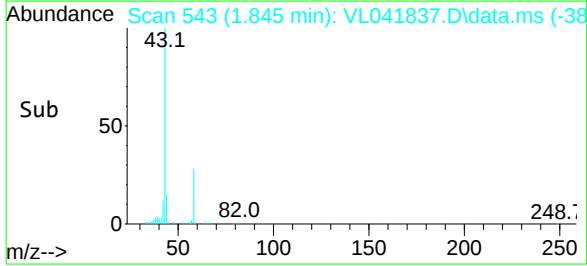
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



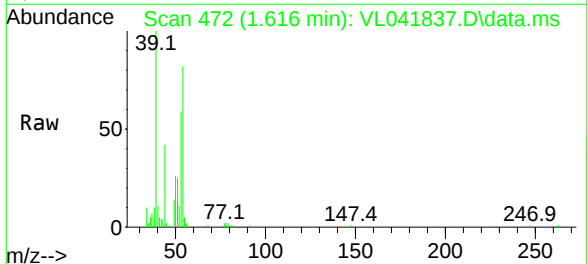
Tgt Ion: 43 Resp: 9962
Ion Ratio Lower Upper
43 100
58 29.9 20.2 30.4

Manual Integrations
APPROVED

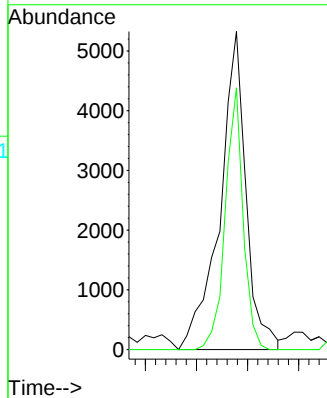
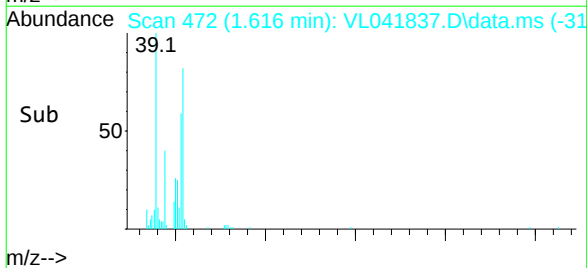
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

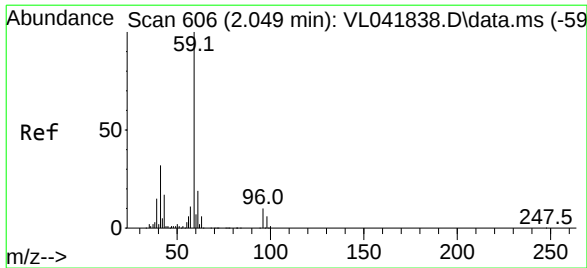


#16
1,3-Butadiene
Concen: 0.552 ppbv
RT: 1.616 min Scan# 472
Delta R.T. 0.004 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48



Tgt Ion: 39 Resp: 3790
Ion Ratio Lower Upper
39 100
54 56.1 56.2 84.4#





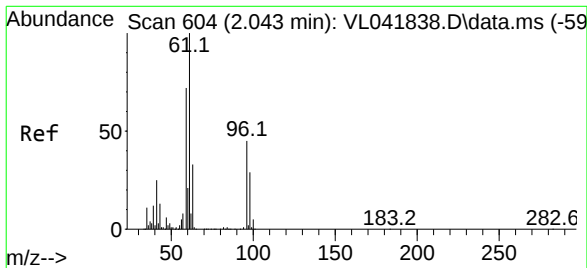
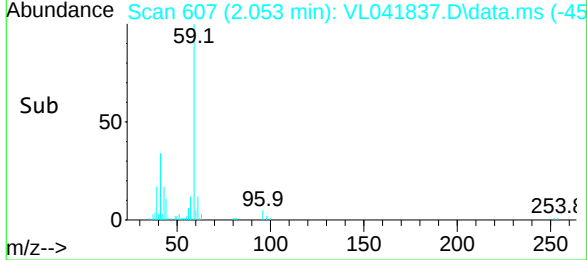
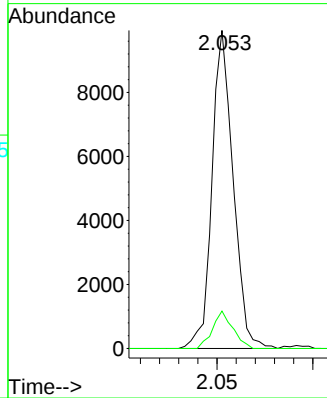
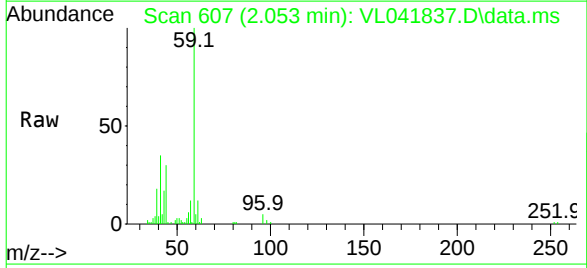
#17
tert-Butyl alcohol
Concen: 0.503 ppbv
RT: 2.053 min Scan# 607
Delta R.T. 0.004 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 59 Resp: 7630
Ion Ratio Lower Upper
59 100
57 11.3 8.6 13.0

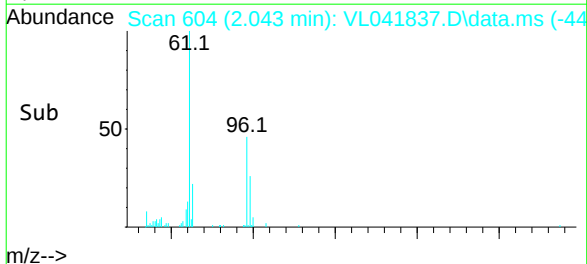
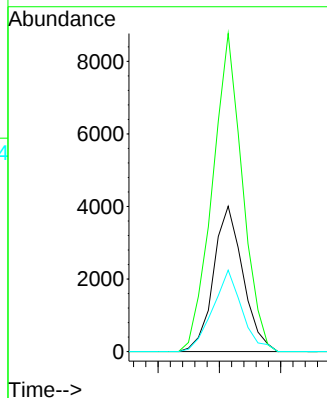
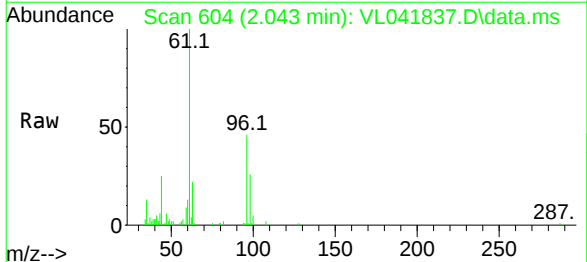
Manual Integrations
APPROVED

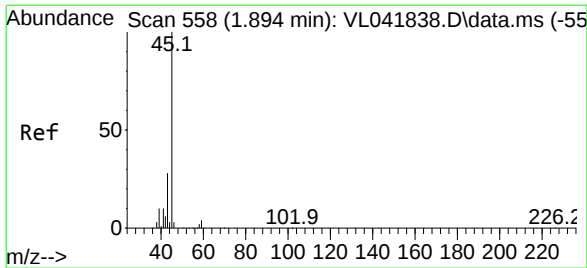
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#18
1,1-Dichloroethene
Concen: 0.542 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Tgt Ion: 96 Resp: 2684
Ion Ratio Lower Upper
96 100
61 218.8 179.2 268.8
98 56.0 51.6 77.4





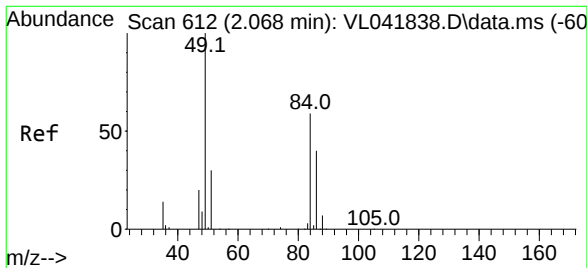
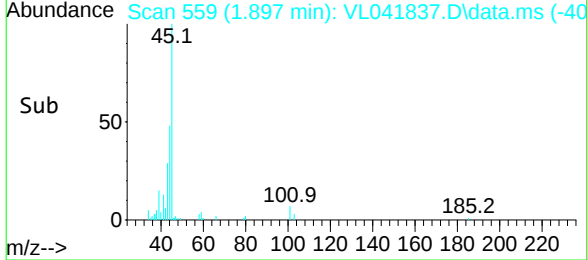
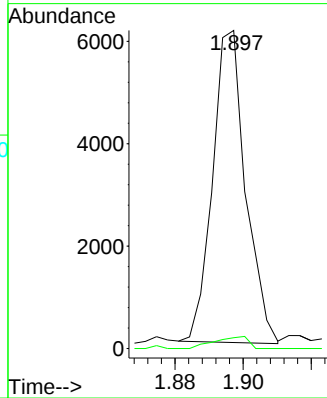
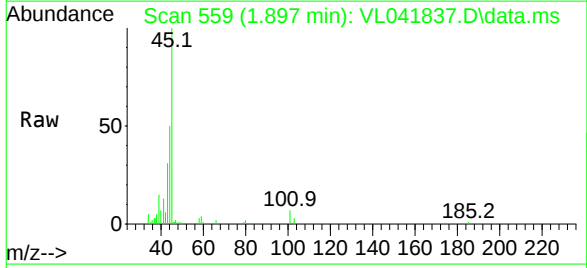
#19
Isopropyl Alcohol
Concen: 0.499 ppbv
RT: 1.897 min Scan# 558
Delta R.T. 0.004 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 4104
Ion Ratio Lower Upper
45 100
58 3.9 2.1 3.1#

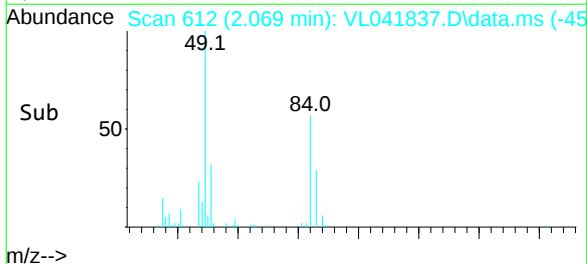
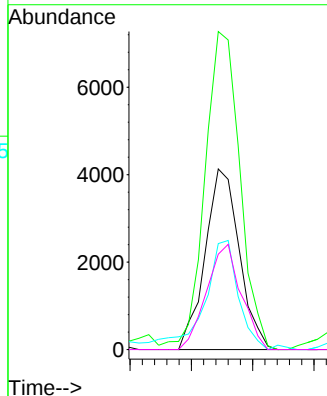
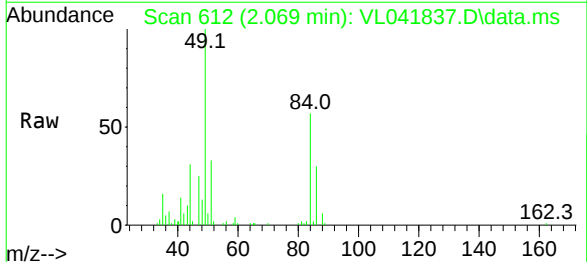
Manual Integrations
APPROVED

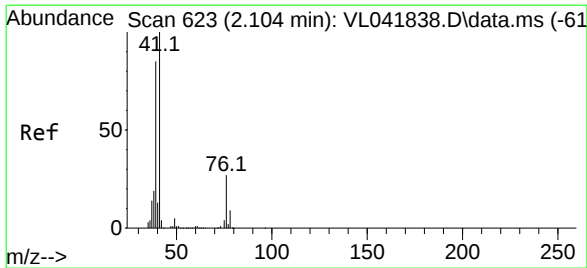
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#20
Methylene Chloride
Concen: 0.640 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

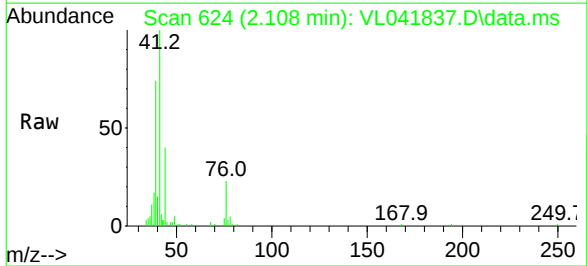
Tgt Ion: 84 Resp: 3205
Ion Ratio Lower Upper
84 100
49 176.1 137.8 206.8
51 56.2 43.9 65.9
86 52.8 53.9 80.9#





#21
 Allyl Chloride
 Concen: 0.504 ppbv
 RT: 2.108 min Scan# 623
 Delta R.T. 0.004 min
 Lab File: VL041837.D
 Acq: 07 Jan 2025 08:48

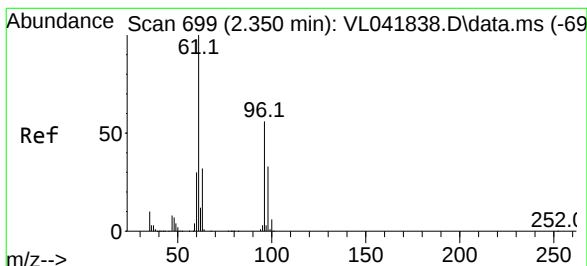
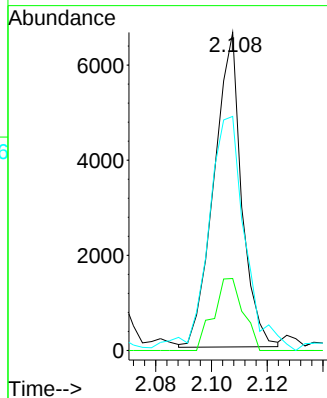
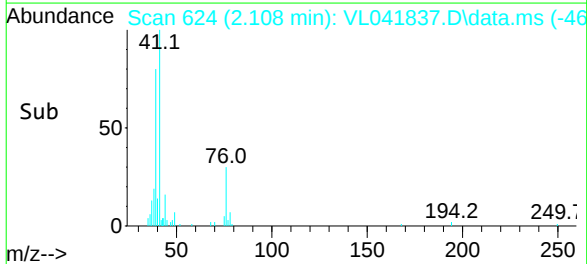
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:	41	Resp:	4552
Ion	Ratio	Lower	Upper
41	100		
76	24.4	20.6	31.0
39	95.6	67.0	100.6

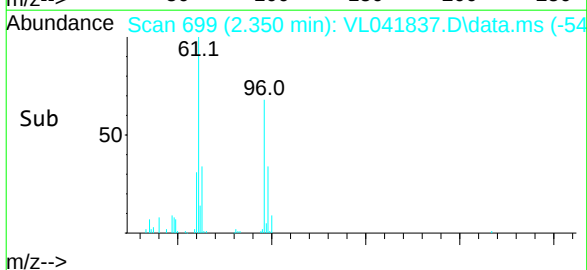
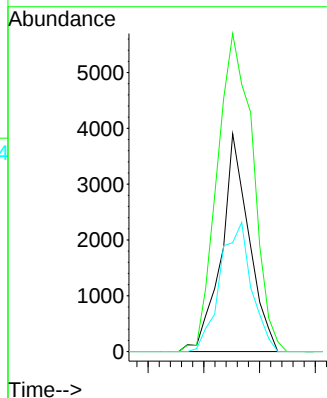
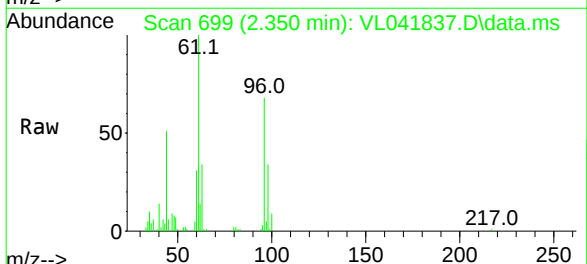
Manual Integrations
 APPROVED

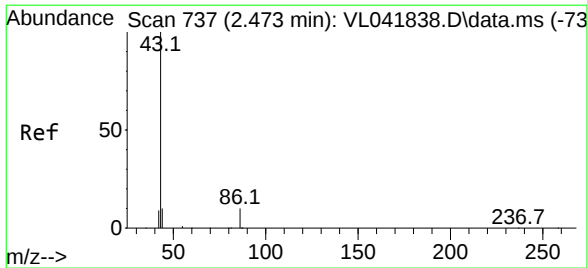
Reviewed By :Semsettin Yesilyurt 01/09/2025
 Supervised By :Mahesh Dadoda 01/09/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.486 ppbv
 RT: 2.350 min Scan# 699
 Delta R.T. 0.000 min
 Lab File: VL041837.D
 Acq: 07 Jan 2025 08:48

Tgt Ion:	96	Resp:	2688
Ion	Ratio	Lower	Upper
96	100		
61	146.1	144.0	216.0
98	50.1	46.9	70.3





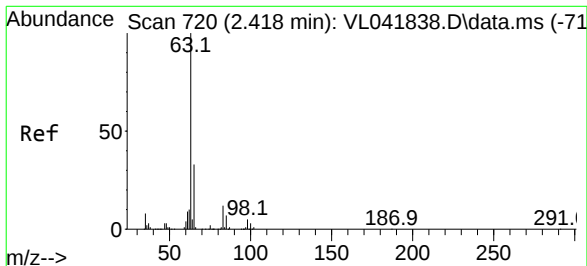
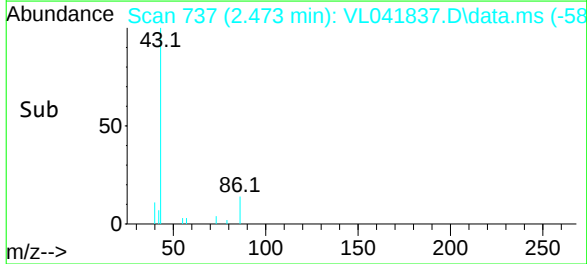
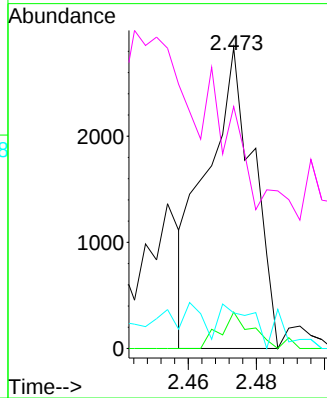
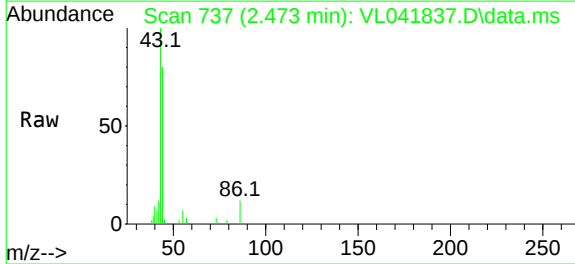
#23
 Vinyl Acetate
 Concen: 0.489 ppbv
 RT: 2.473 min Scan# 737
 Delta R.T. 0.000 min
 Lab File: VL041837.D
 Acq: 07 Jan 2025 08:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:	43	Resp:	2750
Ion	Ratio	Lower	Upper
43	100		
86	12.1	6.4	9.6#
42	5.4	9.5	14.3#
44	28.0	6.7	10.1#

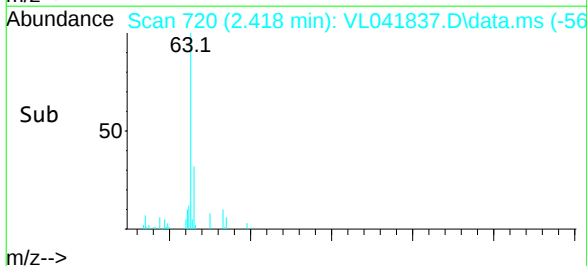
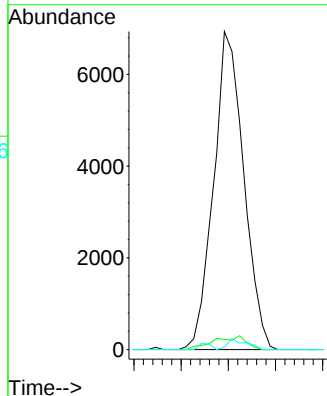
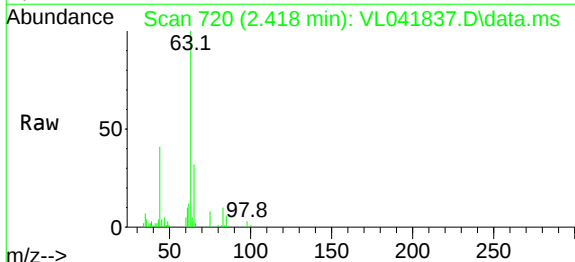
Manual Integrations
 APPROVED

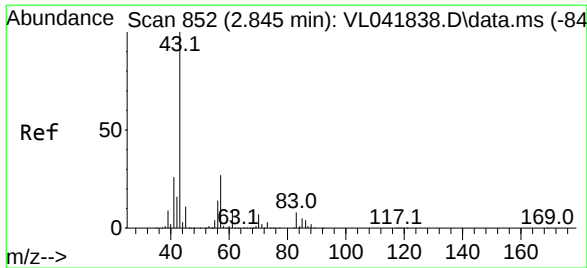
Reviewed By :Semsettin Yesilyurt 01/09/2025
 Supervised By :Mahesh Dadoda 01/09/2025



#24
 1,1-Dichloroethane
 Concen: 0.508 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.000 min
 Lab File: VL041837.D
 Acq: 07 Jan 2025 08:48

Tgt Ion:	63	Resp:	6156
Ion	Ratio	Lower	Upper
63	100		
98	3.2	2.3	6.9
100	0.8	1.4	4.0#





#25

Ethyl Acetate

Concen: 0.414 ppbv

RT: 2.855 min Scan# 85

Delta R.T. 0.010 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Instrument :

MSVOA_L

ClientSampleId :

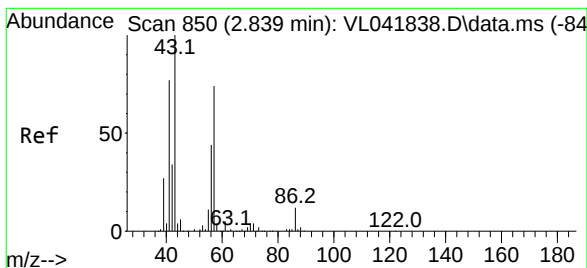
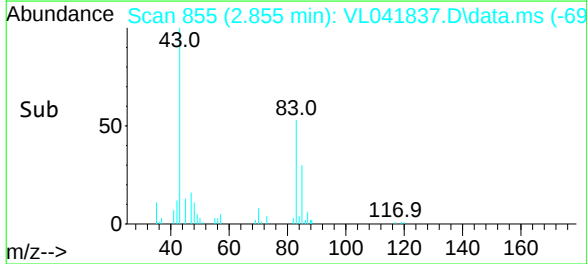
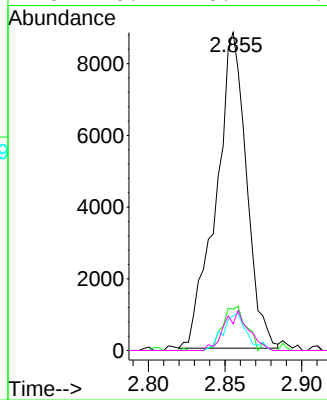
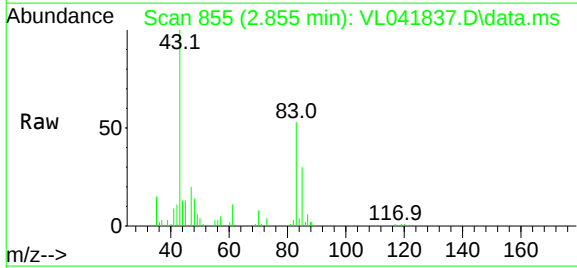
VSTDICC0.5

Tgt	Ion	Ratio	Lower	Upper
43	100			
45	11.8	7.8	11.8	
61	9.2	7.0	10.6	
70	10.1	6.2	9.2	

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#26

Hexane

Concen: 0.382 ppbv

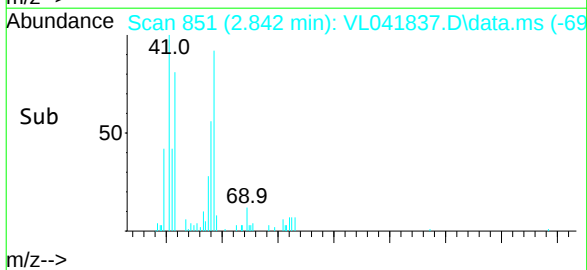
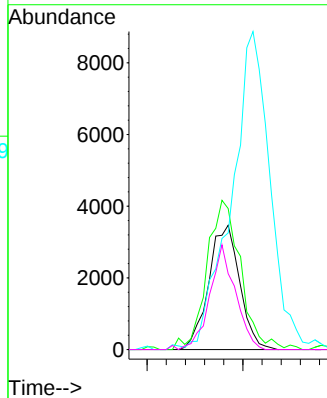
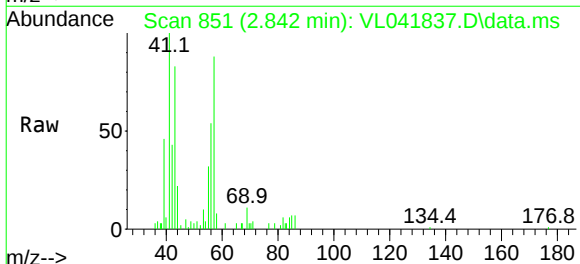
RT: 2.842 min Scan# 851

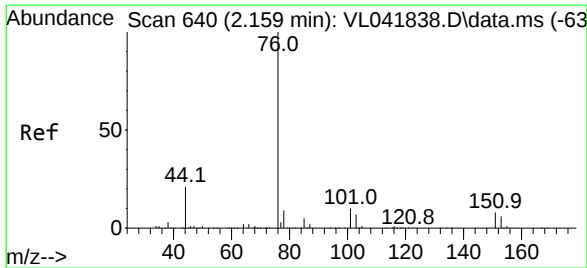
Delta R.T. 0.004 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Tgt	Ion	Ratio	Lower	Upper
57	100			
41	131.7	84.0	126.0	
43	326.0	218.4	327.6	
56	69.8	45.7	68.5	





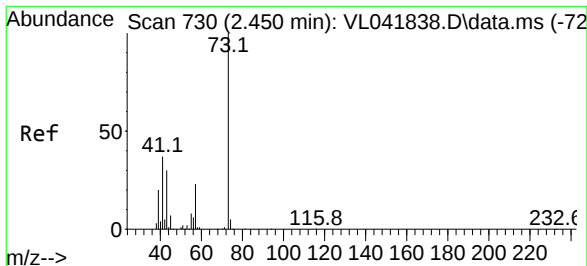
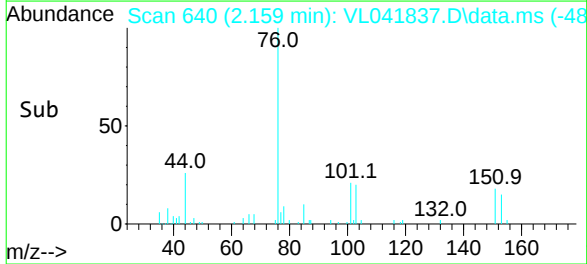
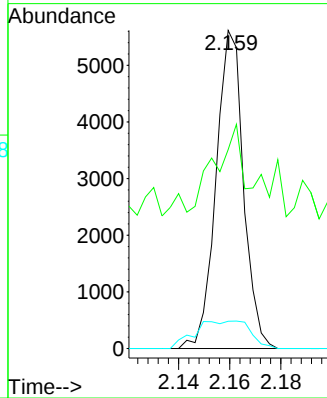
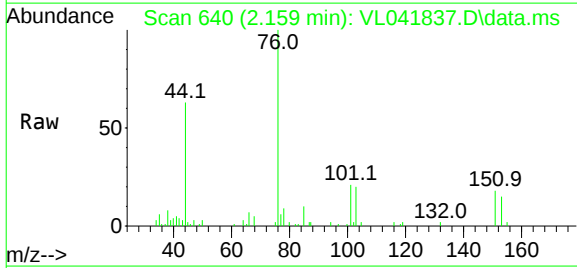
#27
Carbon Disulfide
Concen: 0.433 ppbv
RT: 2.159 min Scan# 640
Delta R.T. 0.000 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 76 Resp: 4188
Ion Ratio Lower Upper
76 100
44 99.8 19.8 29.8#
78 17.5 9.8 14.8#

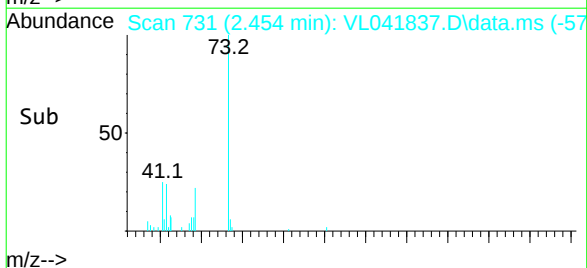
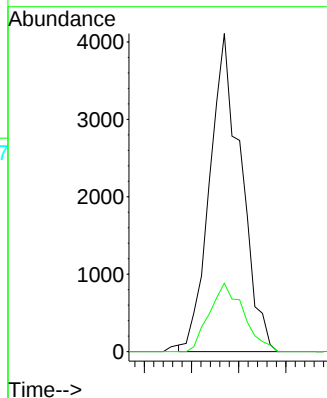
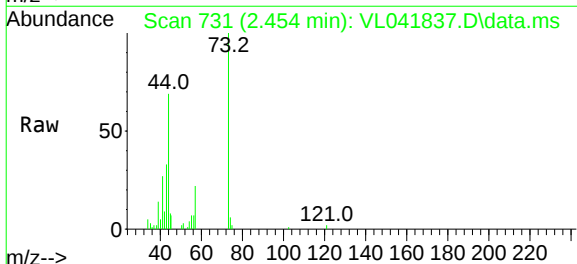
Manual Integrations
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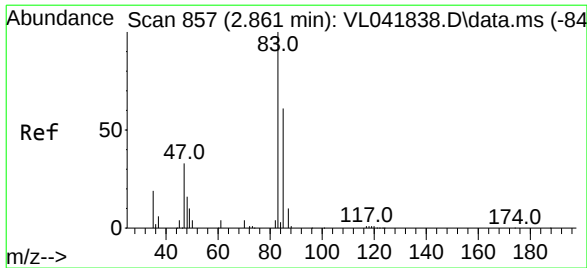
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#28
Methyl tert-Butyl Ether
Concen: 0.493 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.004 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Tgt Ion: 73 Resp: 3792
Ion Ratio Lower Upper
73 100
57 23.5 18.4 27.6





#29

Chloroform

Concen: 0.493 ppbv

RT: 2.862 min Scan# 85

Delta R.T. 0.000 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Instrument :

MSVOA_L

ClientSampleId :

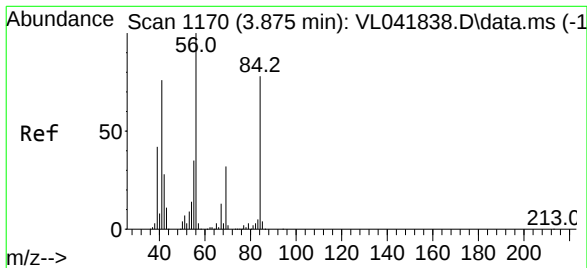
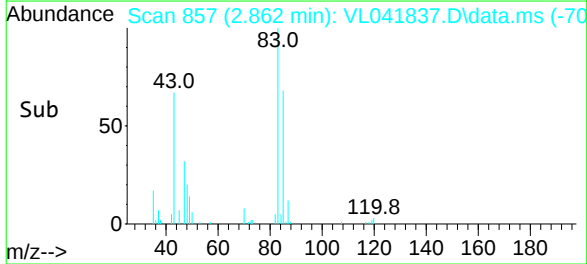
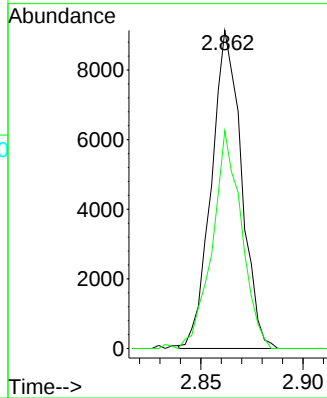
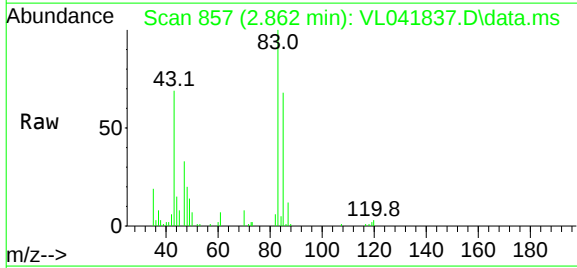
VSTDIC0.5

Tgt Ion:	83	Resp:	9345
Ion	Ratio	Lower	Upper
83	100		
85	68.5	49.6	74.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#30

Cyclohexane

Concen: 0.311 ppbv m

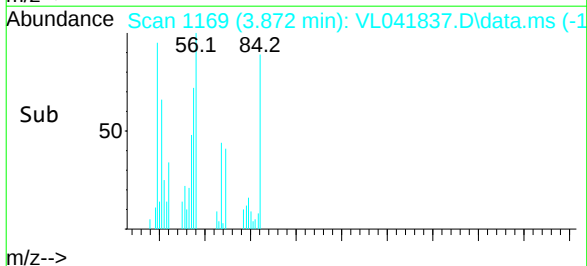
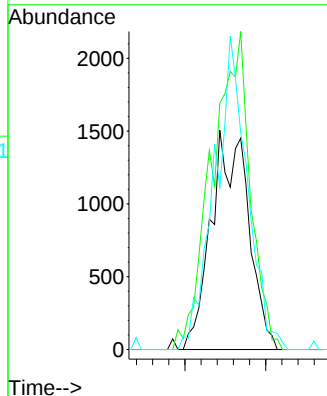
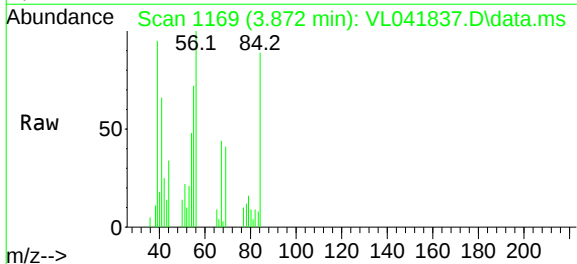
RT: 3.872 min Scan# 1169

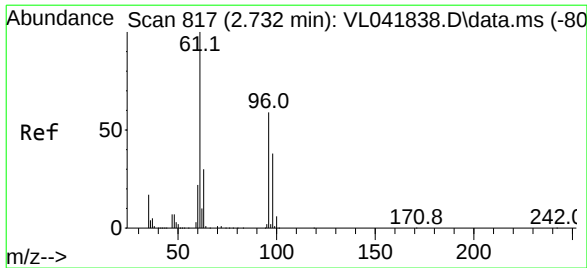
Delta R.T. -0.003 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Tgt Ion:	84	Resp:	2405
Ion	Ratio	Lower	Upper
84	100		
56	0.0	105.0	157.6#
41	0.0	78.9	118.3#





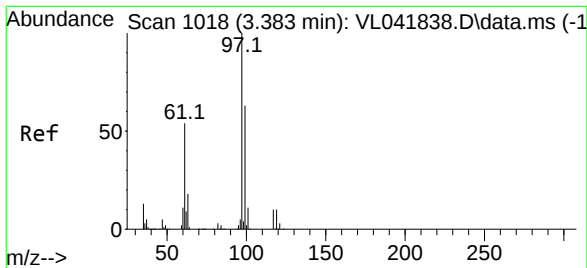
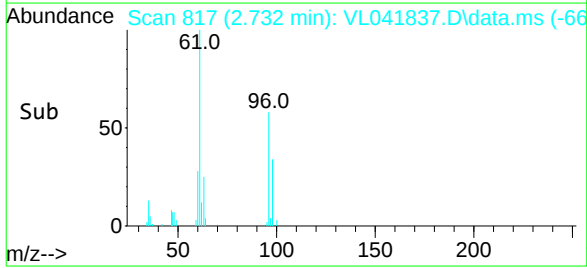
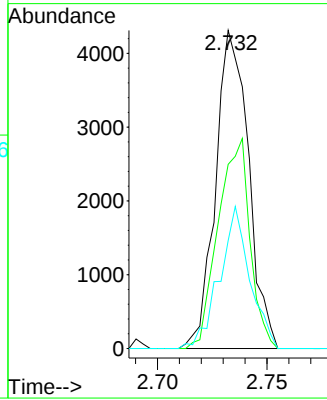
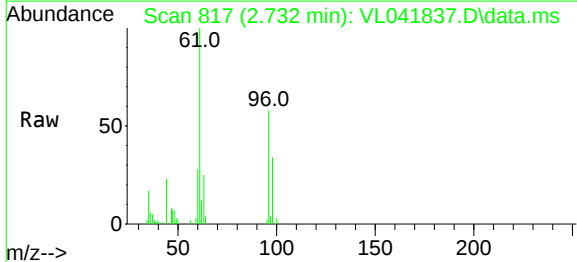
#31
cis-1,2-Dichloroethene
Concen: 0.430 ppbv
RT: 2.732 min Scan# 817
Delta R.T. 0.000 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:	61	Resp:	4510
Ion Ratio	Lower	Upper	
61	100		
96	57.9	47.6	71.4
98	33.9	30.2	45.2

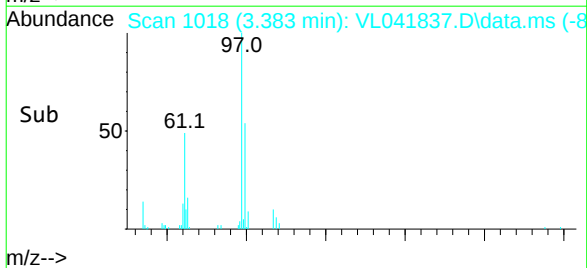
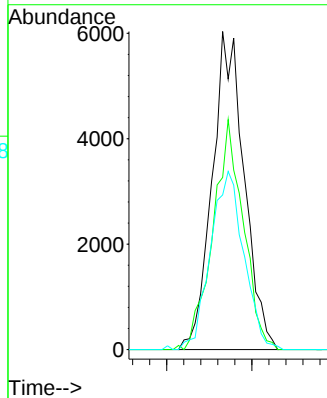
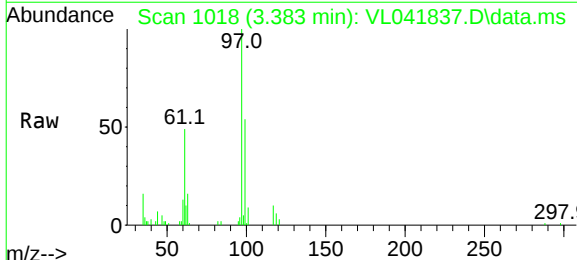
Manual Integrations
APPROVED

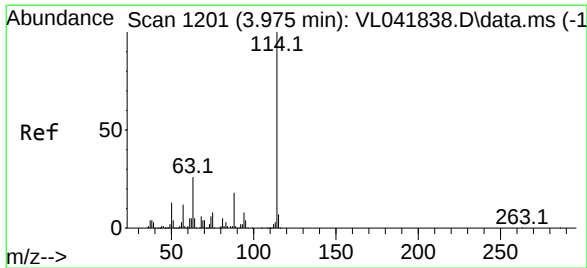
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#32
1,1,1-Trichloroethane
Concen: 0.459 ppbv
RT: 3.383 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Tgt Ion:	97	Resp:	7876
Ion Ratio	Lower	Upper	
97	100		
99	68.4	50.6	76.0
61	58.4	45.0	67.6





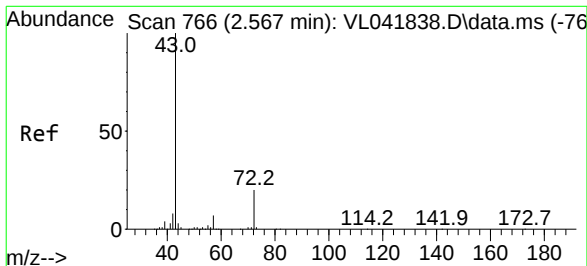
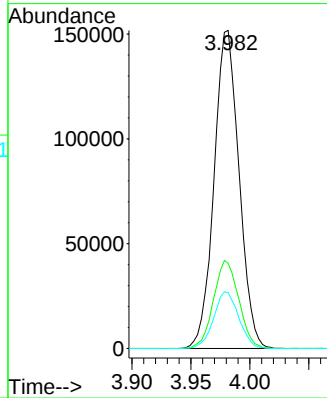
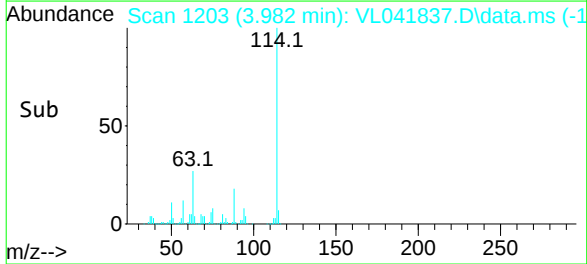
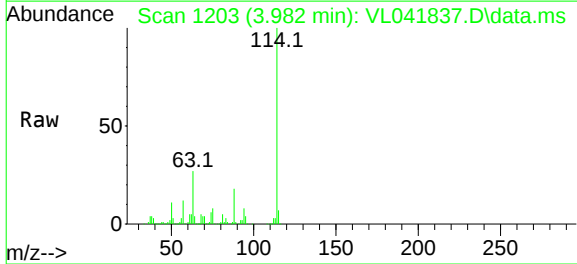
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.982 min Scan# 1201
Delta R.T. 0.007 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:	114	Resp:	223631
Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.3	33.5
88	17.9	14.9	22.3

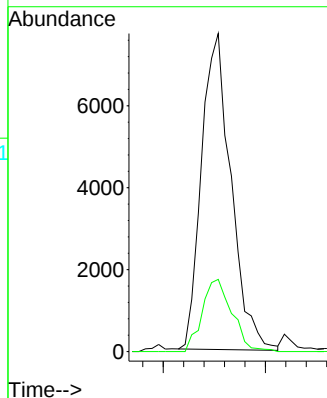
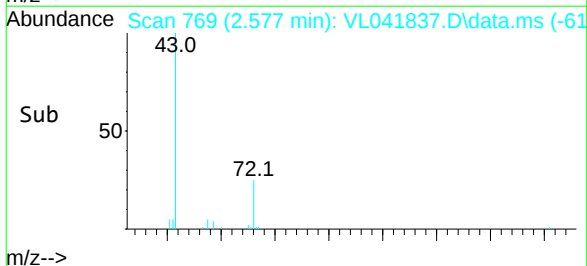
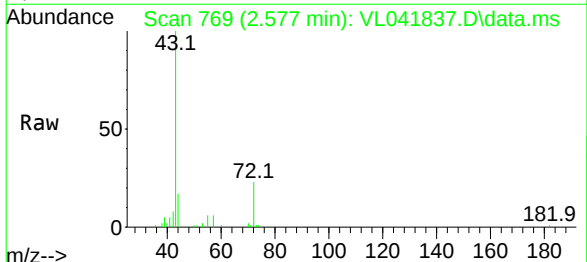
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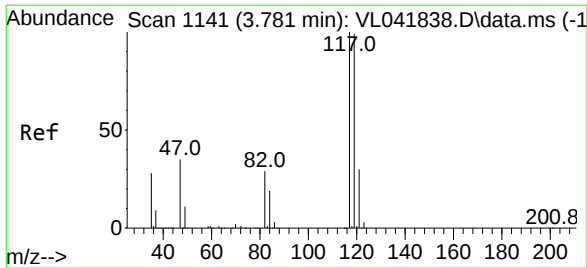
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#34
2-Butanone
Concen: 0.440 ppbv
RT: 2.577 min Scan# 769
Delta R.T. 0.010 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Tgt Ion:	43	Resp:	7755
Ion	Ratio	Lower	Upper
43	100		
72	23.1	16.6	25.0





#35

Carbon Tetrachloride

Concen: 0.483 ppbv

RT: 3.784 min Scan# 1141

Delta R.T. 0.004 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Instrument :

MSVOA_L

ClientSampleId :

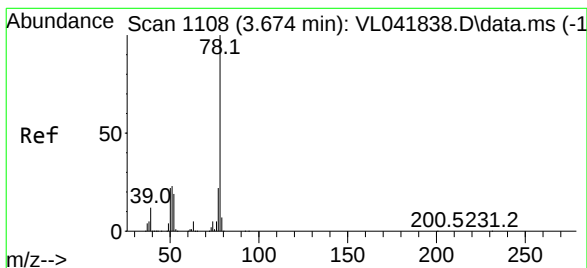
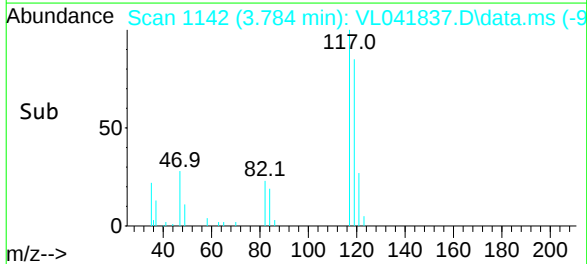
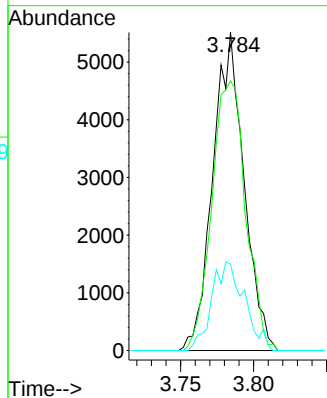
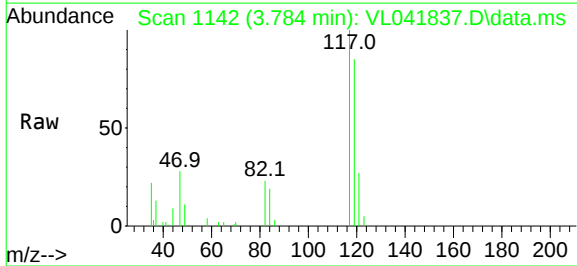
VSTDIC0.5

Tgt Ion:	117	Resp:	8164
Ion	Ratio	Lower	Upper
117	100		
119	84.7	79.1	118.7
121	27.2	24.2	36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#36

Benzene

Concen: 0.422 ppbv

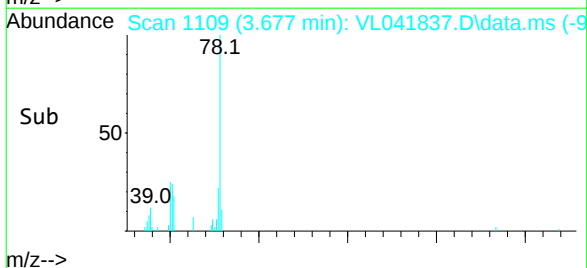
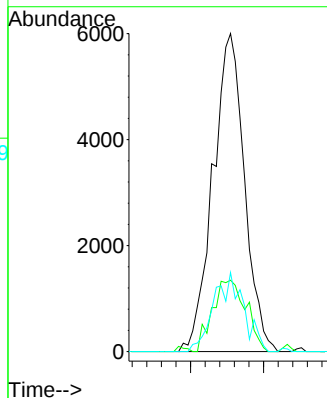
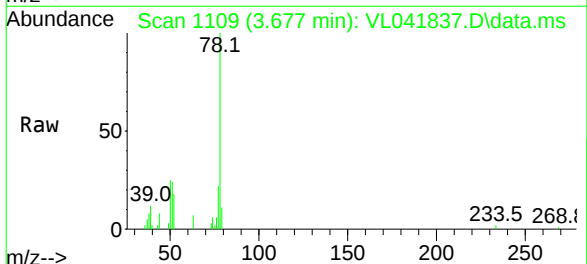
RT: 3.677 min Scan# 1109

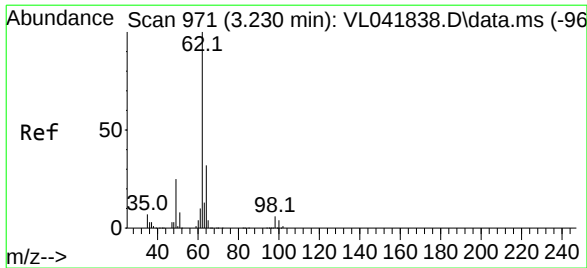
Delta R.T. 0.004 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

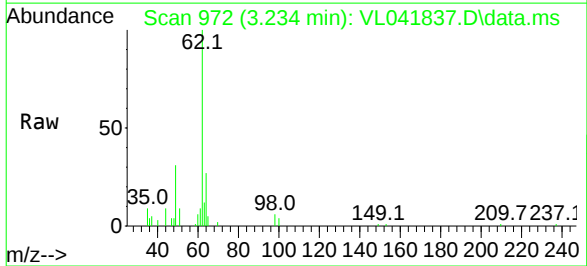
Tgt Ion:	78	Resp:	9013
Ion	Ratio	Lower	Upper
78	100		
77	22.4	17.4	26.0
50	24.8	17.3	25.9





#37
1,2-Dichloroethane
Concen: 0.492 ppbv
RT: 3.234 min Scan# 971
Delta R.T. 0.004 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

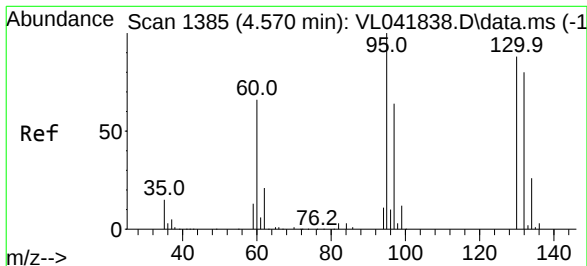
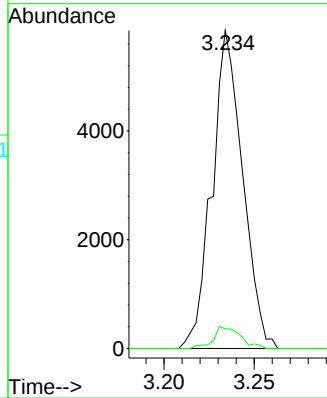
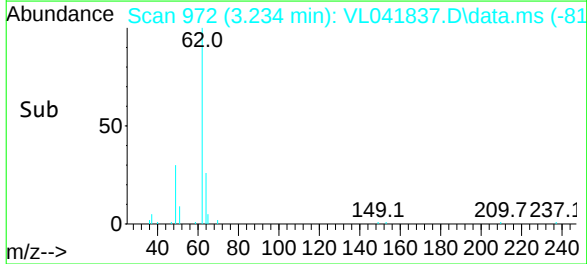
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



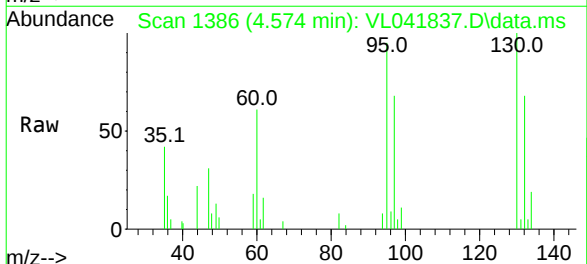
Tgt Ion: 62 Resp: 6912
Ion Ratio Lower Upper
62 100
98 6.0 4.8 7.2

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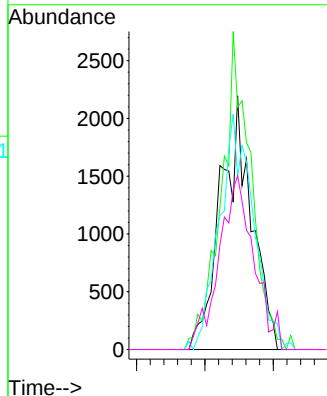
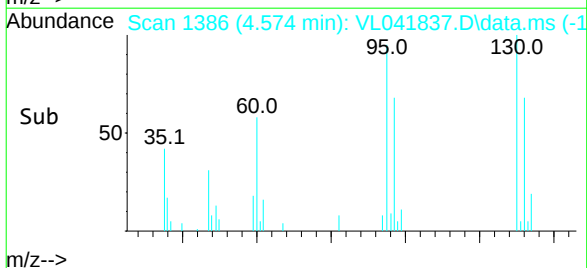
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

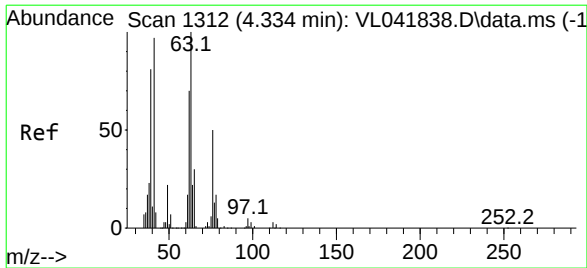


#38
Trichloroethene
Concen: 0.413 ppbv m
RT: 4.574 min Scan# 1386
Delta R.T. 0.004 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48



Tgt Ion:130 Resp: 3460
Ion Ratio Lower Upper
130 100
95 95.5 90.1 135.1
132 68.3 71.8 107.8#
97 68.5 57.9 86.9





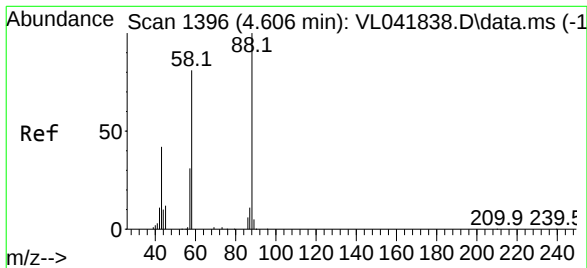
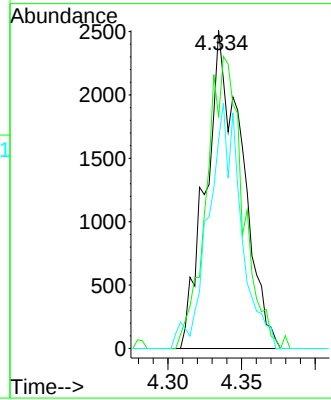
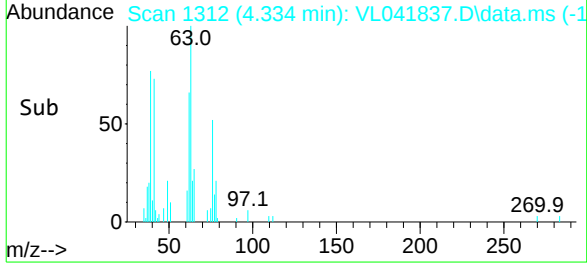
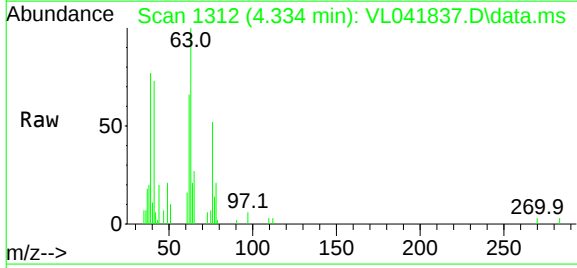
#39
1,2-Dichloropropane
Concen: 0.520 ppbv m
RT: 4.334 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
63	100		
41	72.7	77.7	116.5#
62	65.5	56.2	84.2

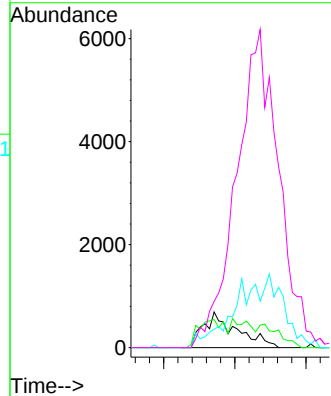
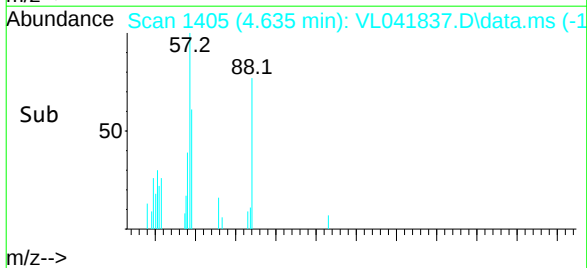
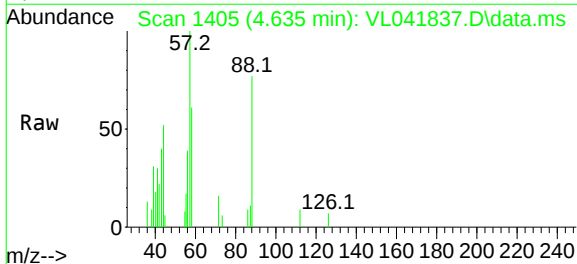
Manual Integrations
APPROVED

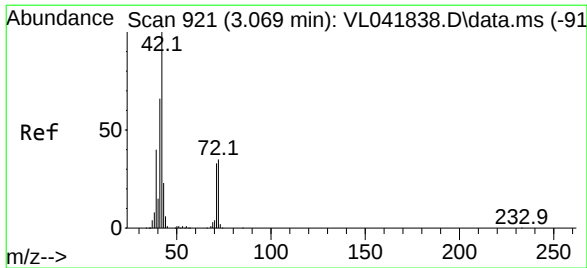
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#40
1,4-Dioxane
Concen: 0.348 ppbv m
RT: 4.635 min Scan# 1405
Delta R.T. 0.029 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	63.0	94.6#
43	0.0	30.0	45.0#
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 0.384 ppbv

RT: 3.082 min Scan# 92

Delta R.T. 0.013 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Instrument :

MSVOA_L

ClientSampleId :

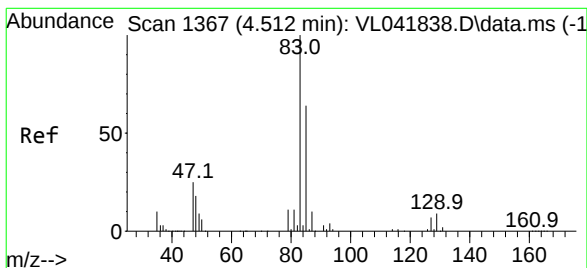
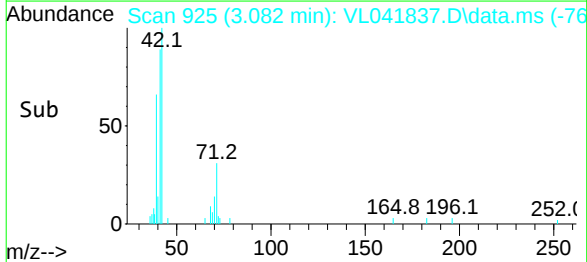
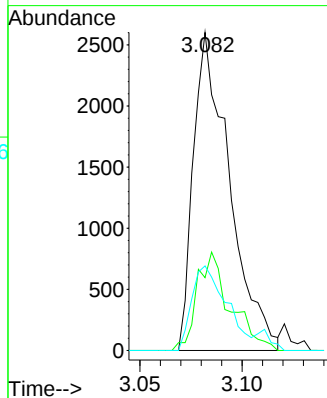
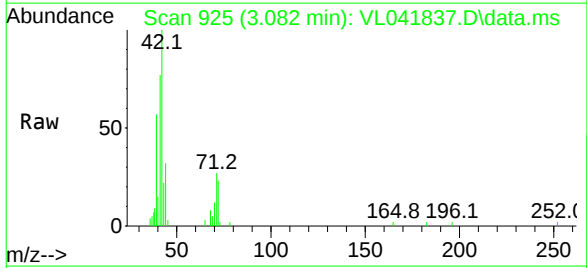
VSTDIC0.5

Tgt	Ion: 42	Resp:	3192
Ion	Ratio	Lower	Upper
42	100		
72	28.6	27.9	41.9
71	28.3	26.5	39.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#42

Bromodichloromethane

Concen: 0.472 ppbv m

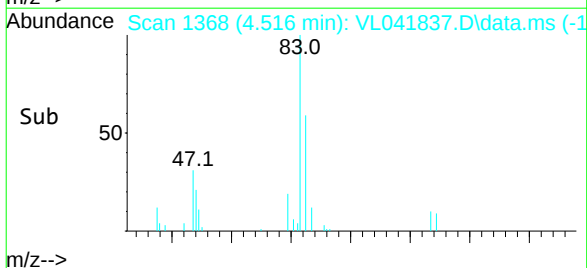
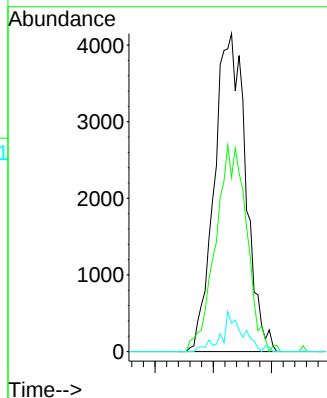
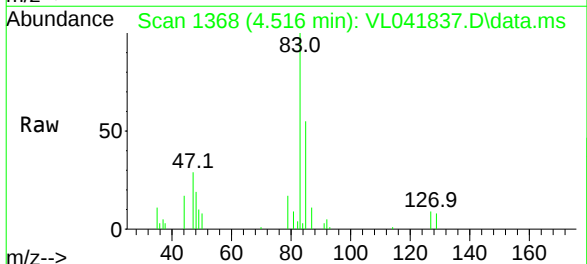
RT: 4.516 min Scan# 1368

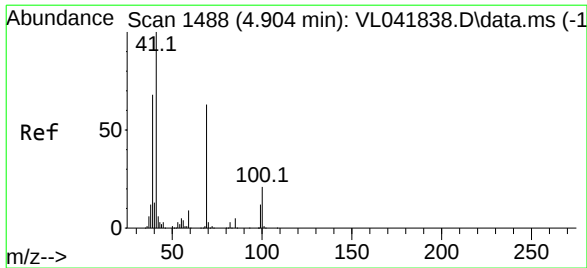
Delta R.T. 0.004 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Tgt	Ion: 83	Resp:	7779
Ion	Ratio	Lower	Upper
83	100		
85	54.8	51.3	76.9
127	8.9	5.6	8.4





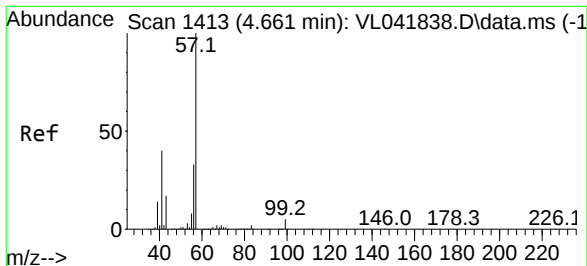
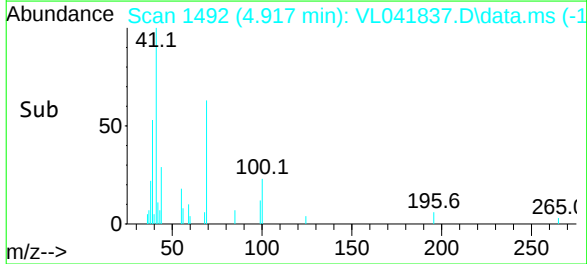
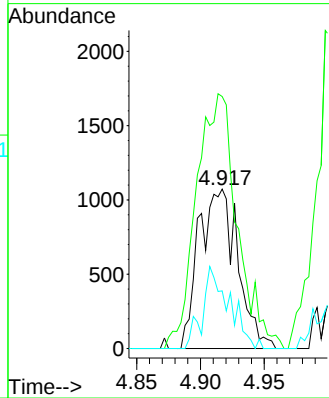
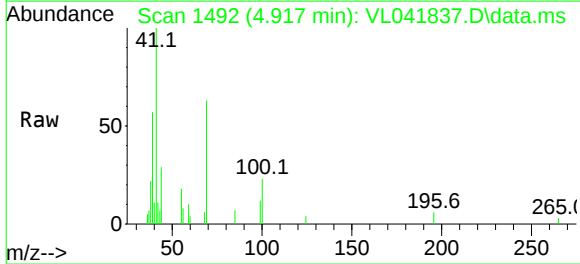
#43
Methyl Methacrylate
Concen: 0.340 ppbv m
RT: 4.917 min Scan# 1415
Delta R.T. 0.013 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt	Ion	69	Resp:	2283
Ion	Ratio	Lower	Upper	
69	100			
41	167.5	132.2	198.2	
100	35.3	28.2	42.4	

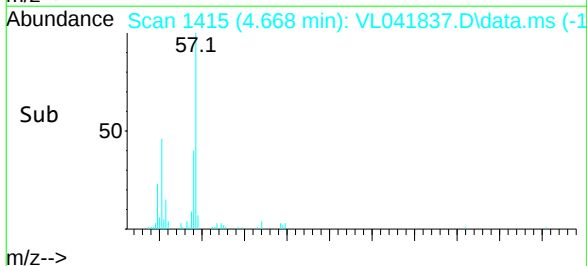
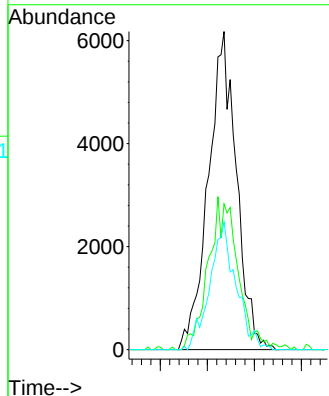
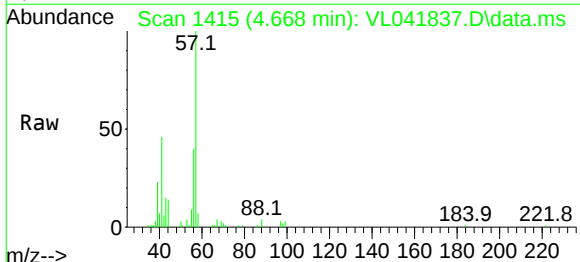
Manual Integrations
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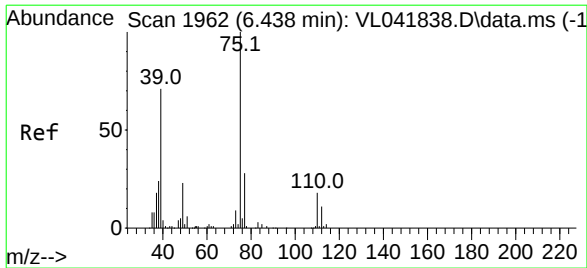
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#44
2,2,4-Trimethylpentane
Concen: 0.364 ppbv m
RT: 4.668 min Scan# 1415
Delta R.T. 0.007 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Tgt	Ion	57	Resp:	12798
Ion	Ratio	Lower	Upper	
57	100			
41	51.2	31.4	47.2	#
56	37.4	26.6	39.8	





#45

t-1,3-Dichloropropene

Concen: 0.401 ppbv

RT: 6.448 min Scan# 1962

Delta R.T. 0.010 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 75 Resp: 2629

Ion Ratio Lower Upper

75 100

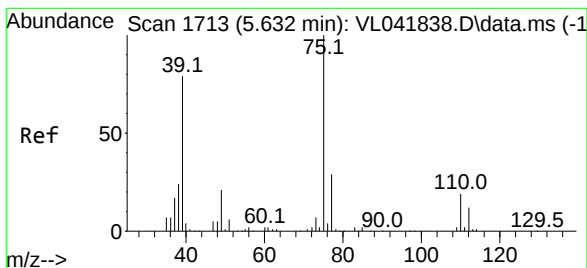
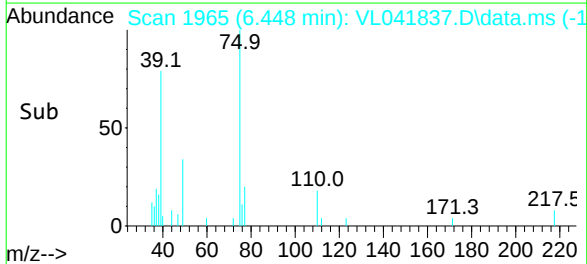
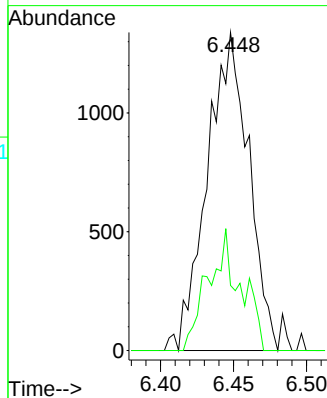
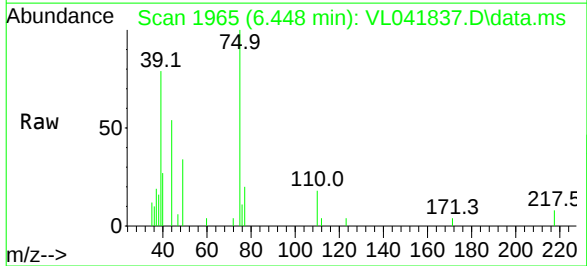
77 20.5 22.2 33.4#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025

Supervised By :Mahesh Dadoda 01/09/2025



#46

cis-1,3-Dichloropropene

Concen: 0.411 ppbv m

RT: 5.632 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

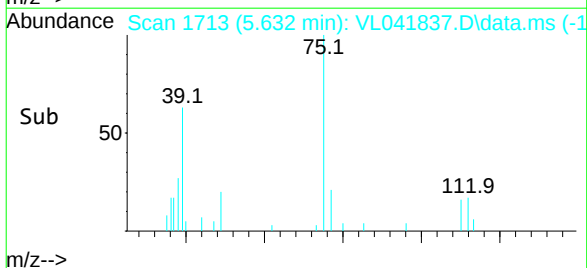
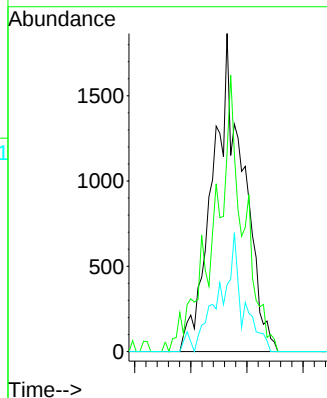
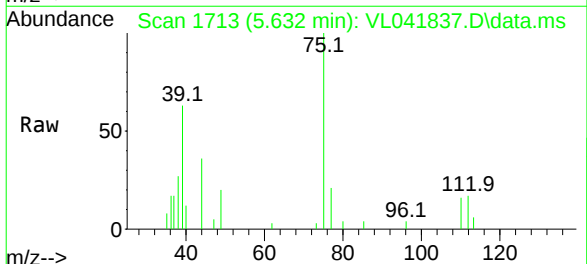
Tgt Ion: 75 Resp: 3545

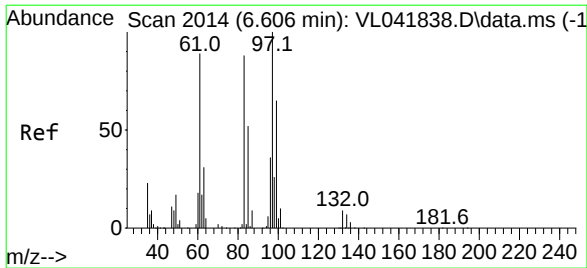
Ion Ratio Lower Upper

75 100

39 62.6 63.3 94.9#

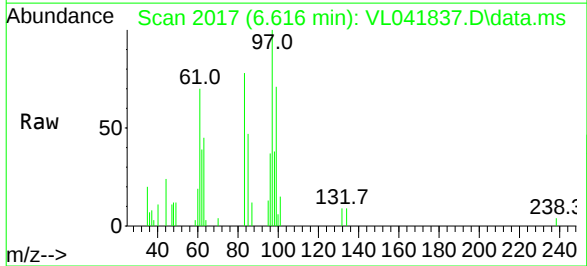
77 21.1 23.5 35.3#





#47
1,1,2-Trichloroethane
Concen: 0.453 ppbv m
RT: 6.616 min Scan# 2014
Delta R.T. 0.010 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

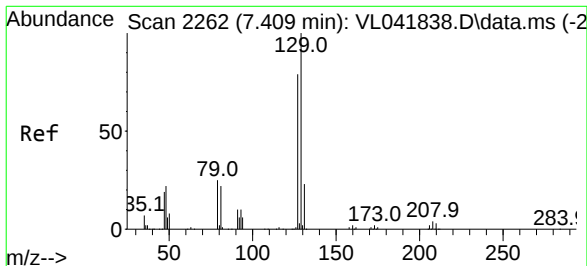
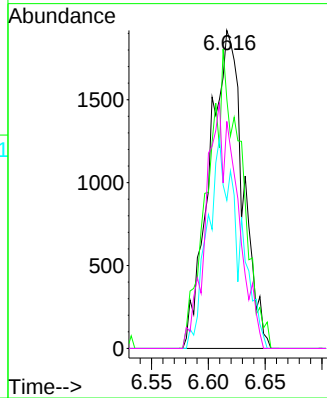
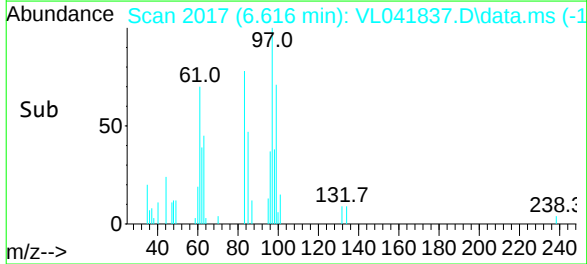
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 97 Resp: 3957
Ion Ratio Lower Upper
97 100
83 78.4 70.3 105.5
85 46.6 41.5 62.3
99 71.4 52.3 78.5

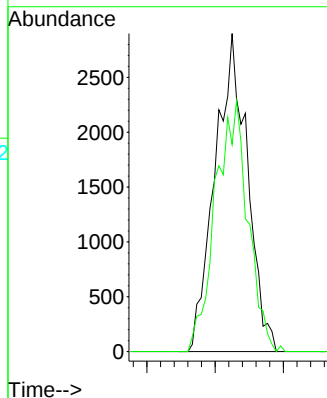
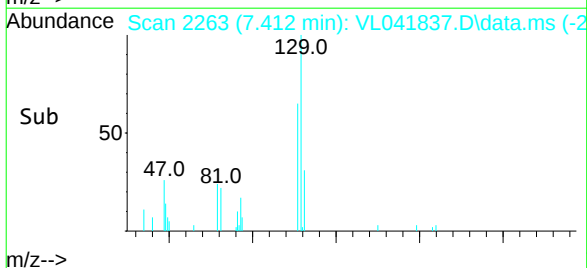
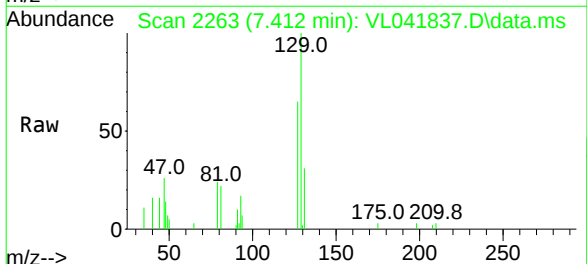
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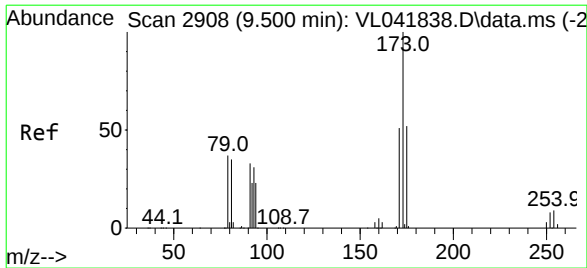
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#48
Dibromochloromethane
Concen: 0.429 ppbv m
RT: 7.412 min Scan# 2263
Delta R.T. 0.004 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Tgt Ion:129 Resp: 4777
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#





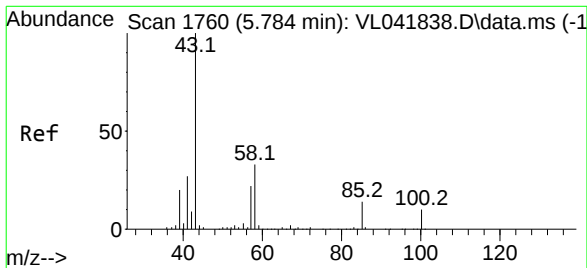
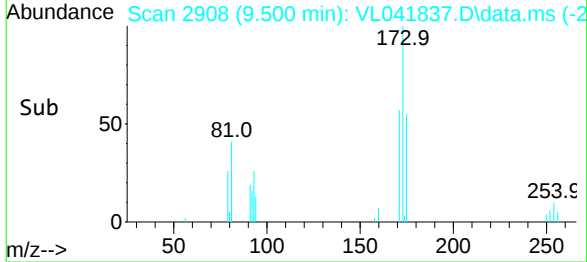
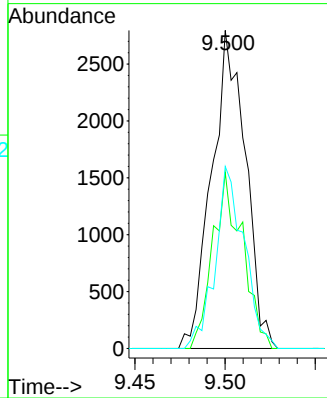
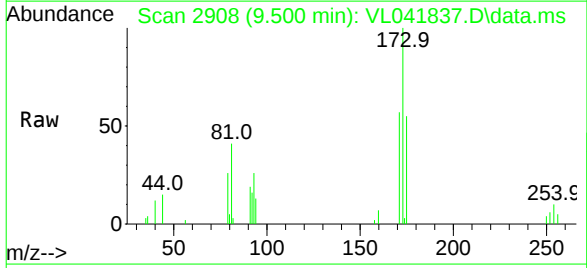
#49
Bromoform
Concen: 0.408 ppbv
RT: 9.500 min Scan# 2908
Delta R.T. 0.000 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:	173	Resp:	3642
Ion Ratio	Lower	Upper	
173	100		
175	48.5	39.5	59.3
171	49.0	41.5	62.3

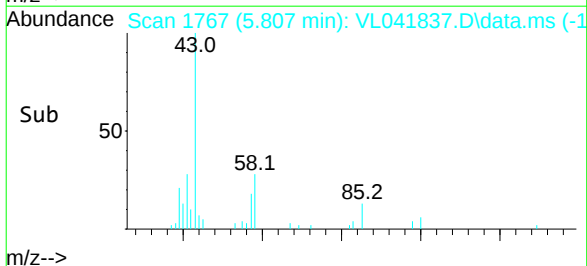
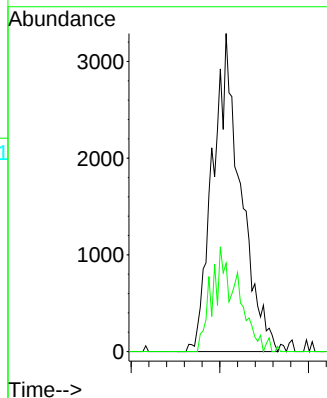
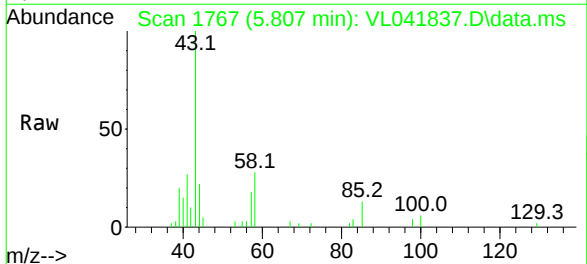
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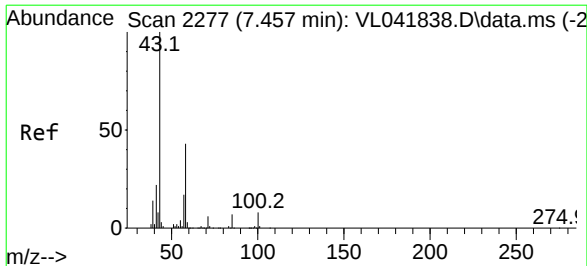
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#50
4-Methyl-2-Pentanone
Concen: 0.355 ppbv m
RT: 5.807 min Scan# 1767
Delta R.T. 0.023 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Tgt Ion:	43	Resp:	7227
Ion Ratio	Lower	Upper	
43	100		
58	30.3	25.6	38.4





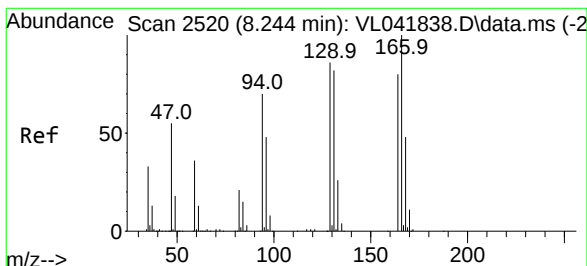
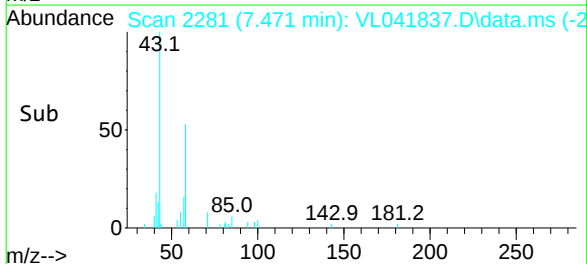
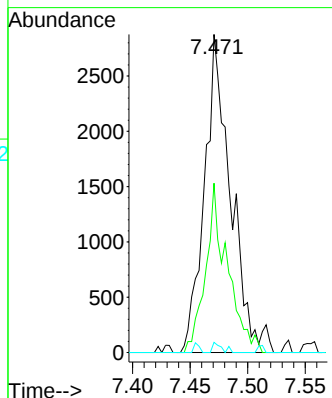
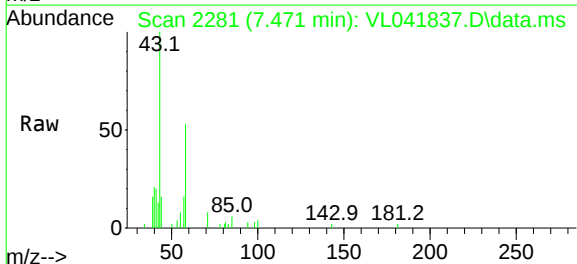
#51
2-Hexanone
Concen: 0.297 ppbv m
RT: 7.471 min Scan# 2277
Delta R.T. 0.013 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5

Tgt Ion: 43 Resp: 4580
Ion Ratio Lower Upper
43 100
58 44.1 33.8 50.8
98 1.1 0.7 1.1#

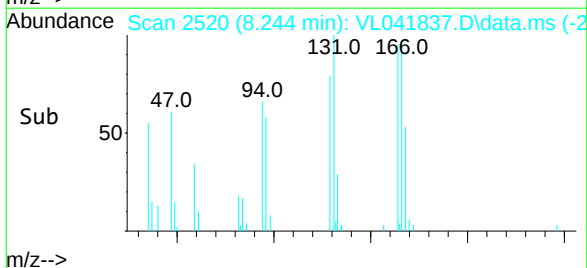
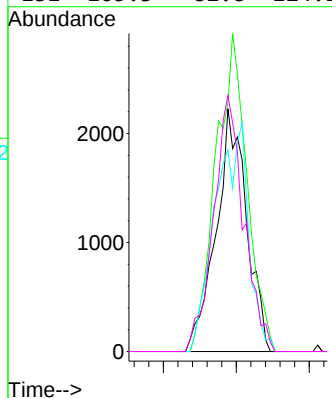
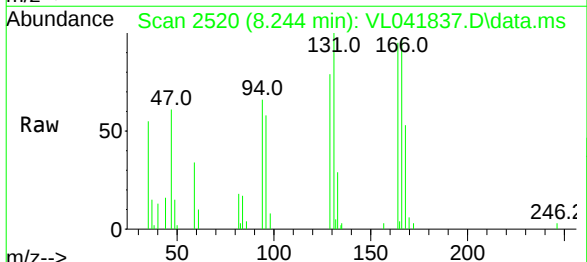
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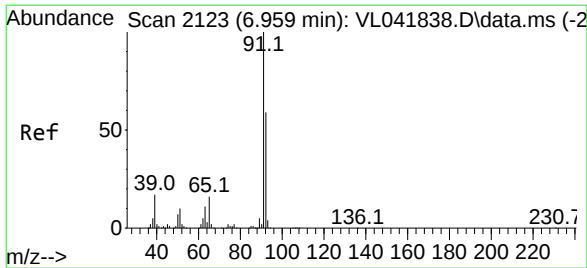
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#52
Tetrachloroethene
Concen: 0.510 ppbv m
RT: 8.244 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Tgt Ion:164 Resp: 3228
Ion Ratio Lower Upper
164 100
166 102.4 100.4 150.6
129 83.1 85.9 128.9#
131 105.3 82.8 124.2





#53

Toluene

Concen: 0.332 ppbv m

RT: 6.966 min Scan# 21

Delta R.T. 0.007 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 91 Resp: 6324

Ion Ratio Lower Upper

91 100

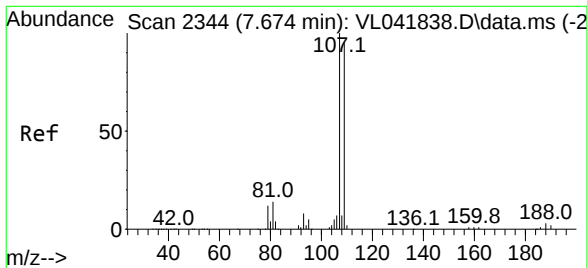
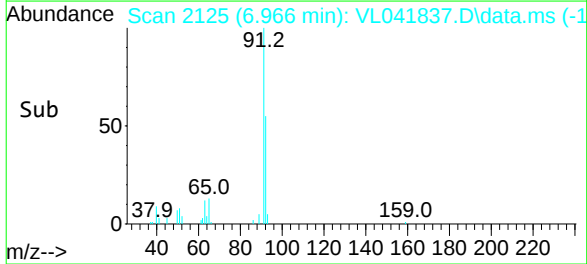
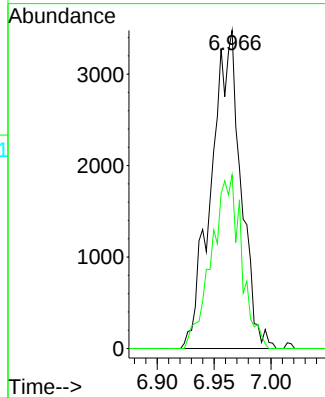
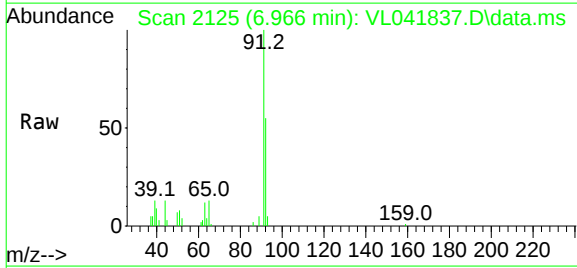
92 54.9 47.8 71.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/09/2025

Supervised By :Mahesh Dadoda 01/09/2025



#54

1,2-Dibromoethane

Concen: 0.461 ppbv

RT: 7.678 min Scan# 2345

Delta R.T. 0.004 min

Lab File: VL041837.D

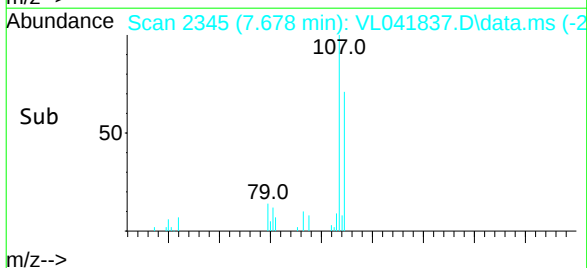
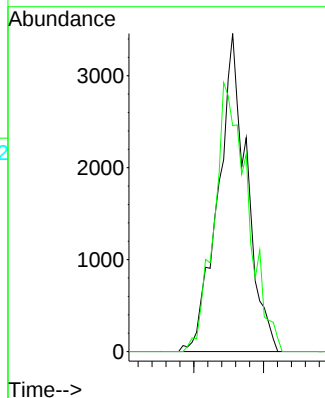
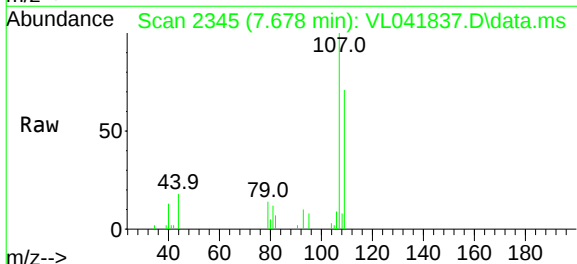
Acq: 07 Jan 2025 08:48

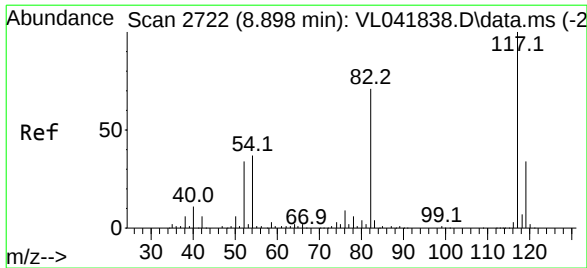
Tgt Ion:107 Resp: 4936

Ion Ratio Lower Upper

107 100

109 71.1 75.9 113.9#





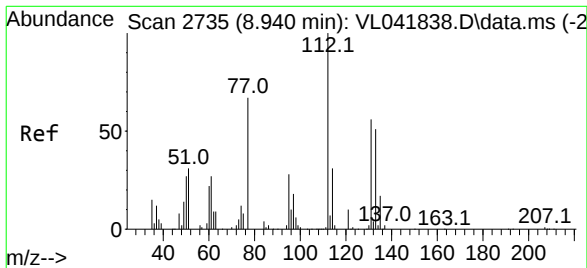
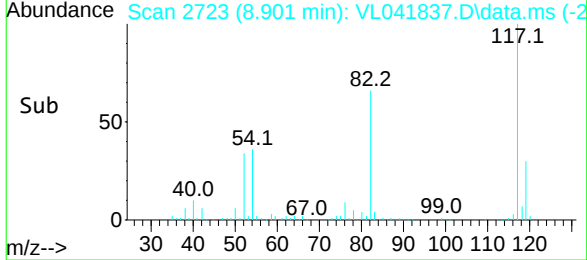
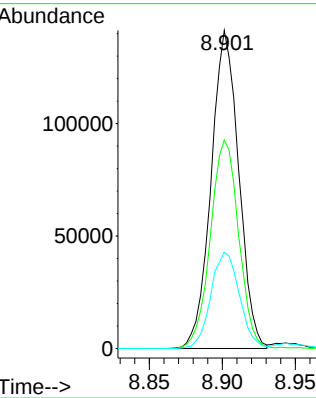
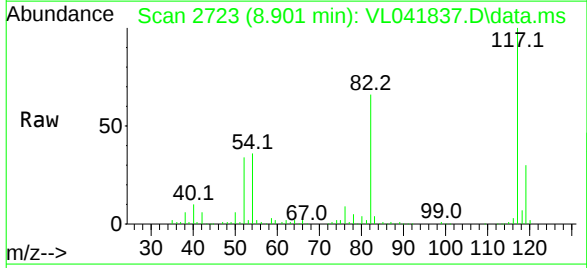
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2722
Delta R.T. 0.004 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:117 Resp: 186235
Ion Ratio Lower Upper
117 100
82 67.1 59.1 88.7
119 32.9 27.3 40.9

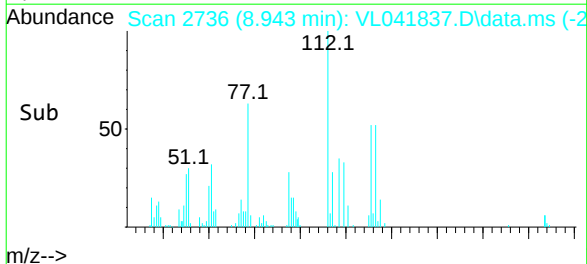
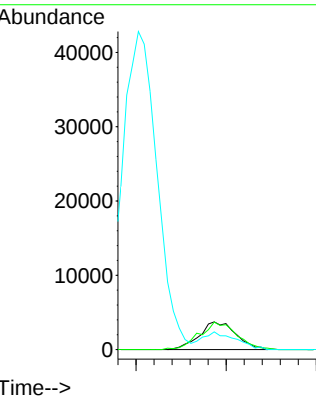
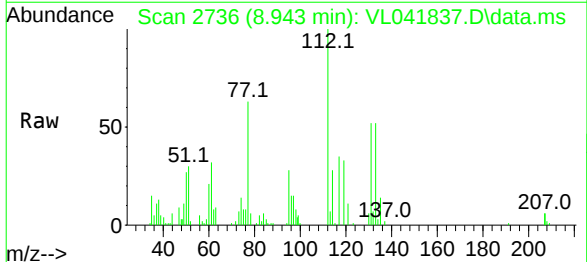
Manual Integrations
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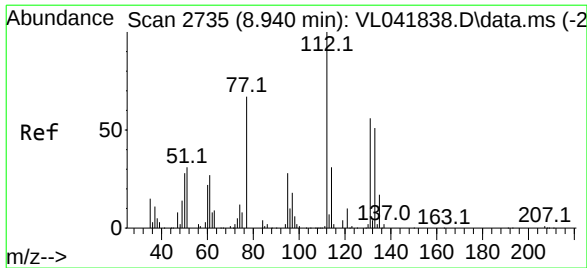
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.495 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. 0.004 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

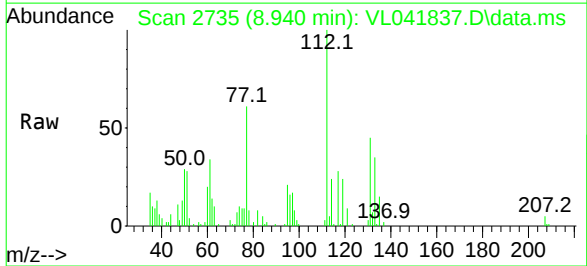
Tgt Ion:131 Resp: 5258
Ion Ratio Lower Upper
131 100
133 101.2 77.3 115.9
119 1166.3 50.6 76.0#





#57
Chlorobenzene
Concen: 0.509 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. 0.000 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

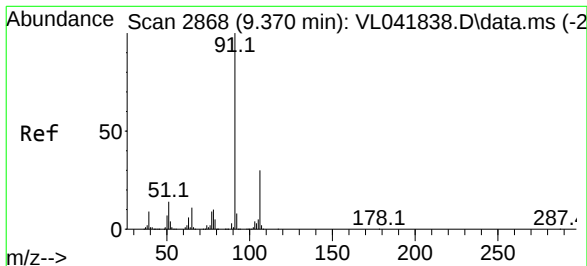
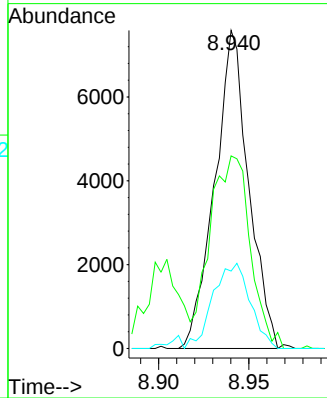
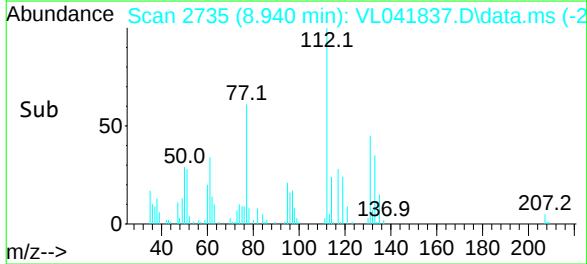
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:	112	Resp:	9903
Ion Ratio	Lower	Upper	
112	100		
77	55.5	55.1	82.7
114	24.3	28.3	34.5

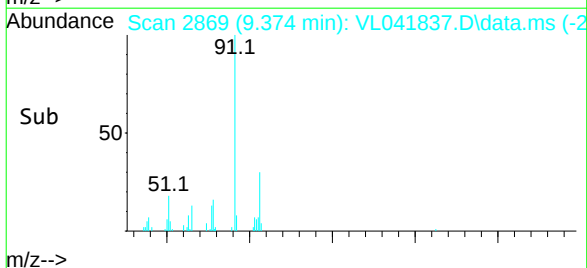
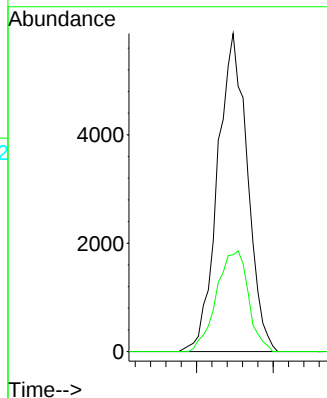
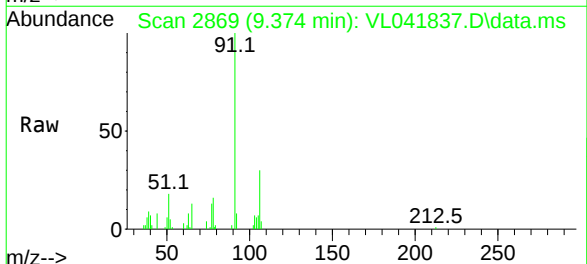
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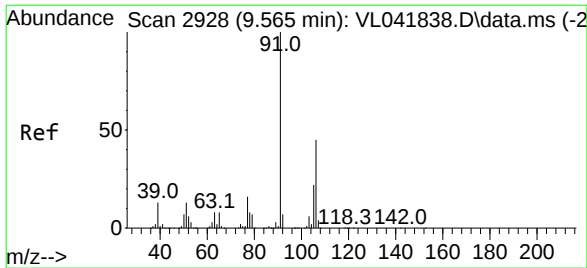
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#58
Ethyl Benzene
Concen: 0.312 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. 0.004 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Tgt Ion:	91	Resp:	7921
Ion Ratio	Lower	Upper	
91	100		
106	30.4	23.8	35.8





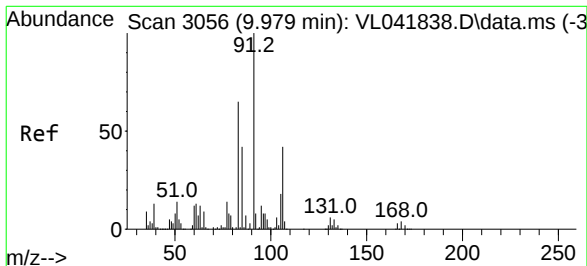
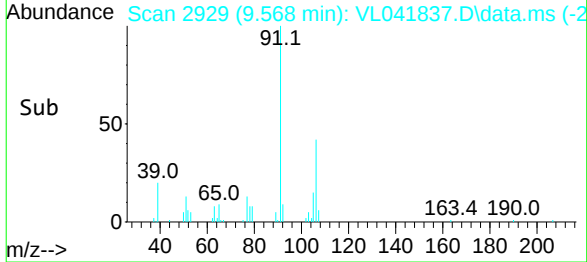
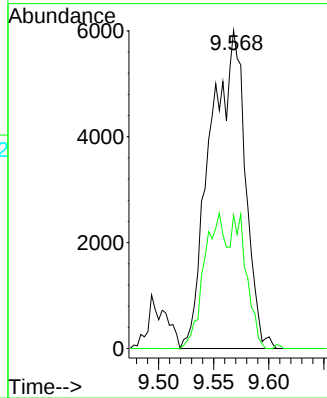
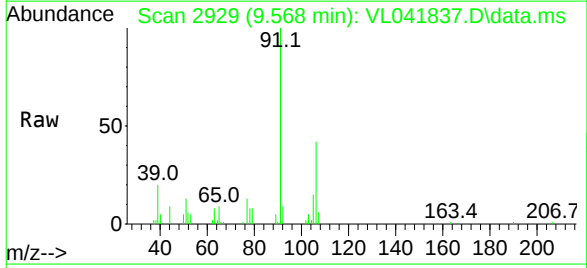
#59
m/p-Xylene
Concen: 0.593 ppbv m
RT: 9.568 min Scan# 2928
Delta R.T. 0.004 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 13299
Ion Ratio Lower Upper
91 100
106 0.0 36.7 55.1#

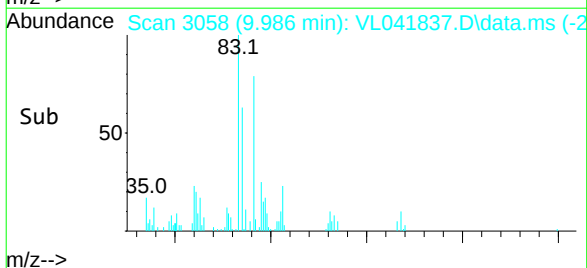
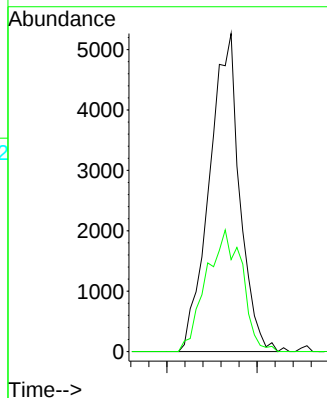
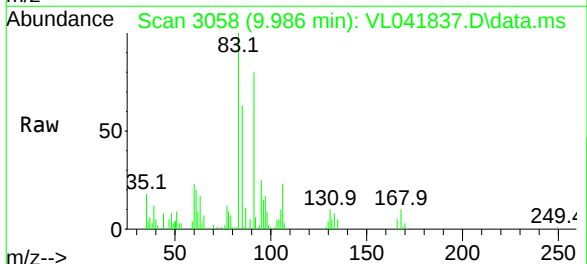
Manual Integrations
APPROVED

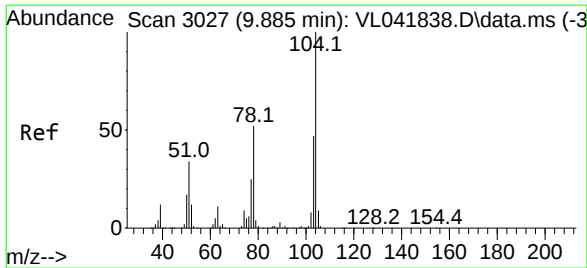
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#60
o-Xylene
Concen: 0.283 ppbv
RT: 9.986 min Scan# 3058
Delta R.T. 0.007 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Tgt Ion: 91 Resp: 6160
Ion Ratio Lower Upper
91 100
106 45.6 21.9 65.5





#61

Styrene

Concen: 0.316 ppbv m

RT: 9.895 min Scan# 3027

Delta R.T. 0.010 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Instrument :

MSVOA_L

ClientSampleId :

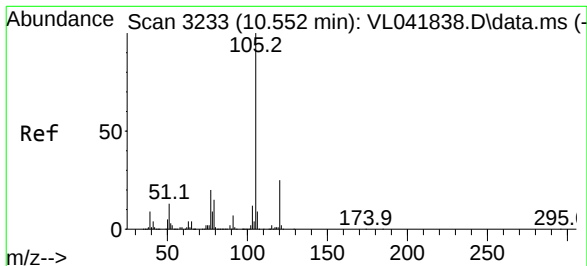
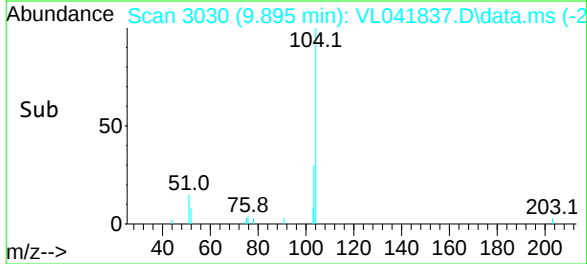
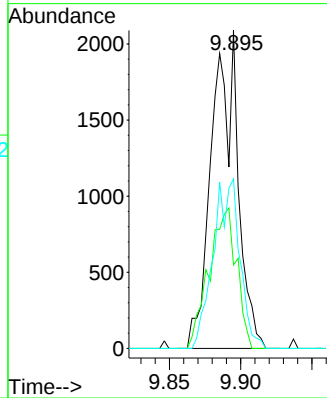
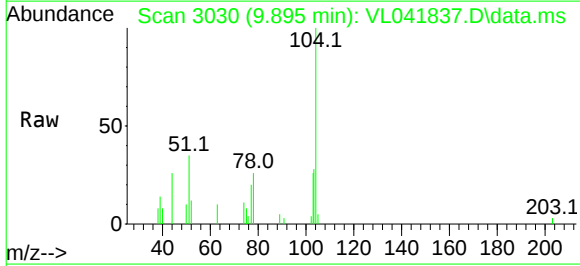
VSTDICC0.5

Tgt Ion:	104	Resp:	2670
Ion Ratio	Lower	Upper	
104	100		
78	0.0	42.7	64.1
103	0.0	37.8	56.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#62

Isopropylbenzene

Concen: 0.330 ppbv

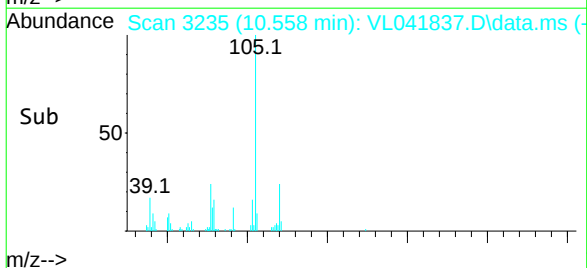
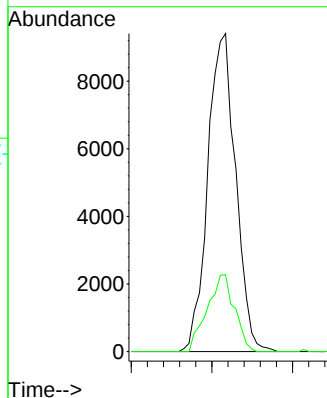
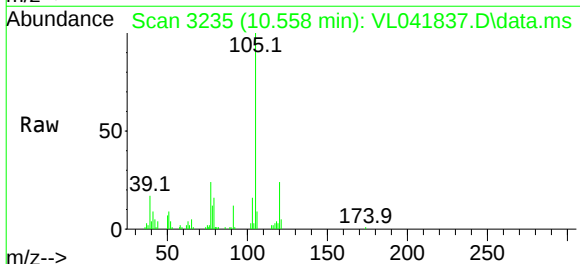
RT: 10.558 min Scan# 3235

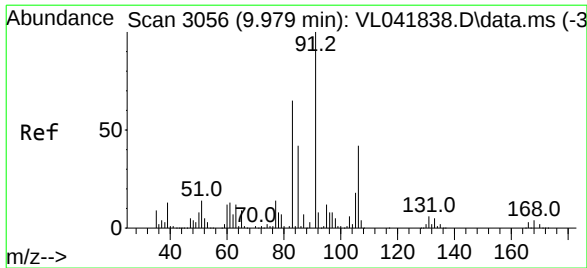
Delta R.T. 0.007 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Tgt Ion:	105	Resp:	11291
Ion Ratio	Lower	Upper	
105	100		
120	23.7	20.4	30.6





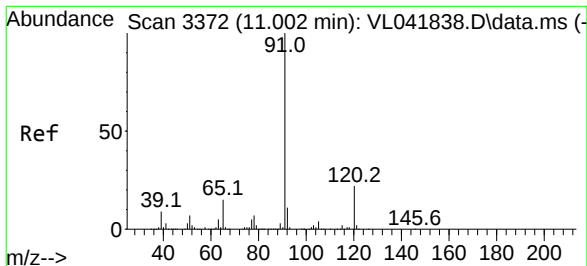
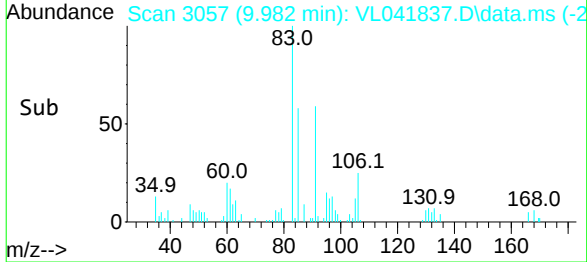
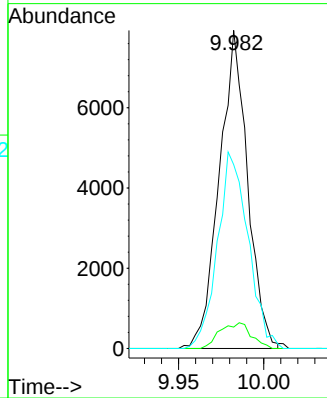
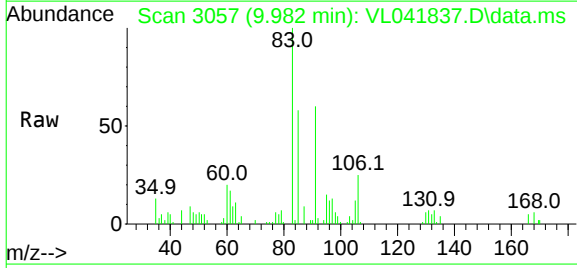
#63
1,1,2,2-Tetrachloroethane
Concen: 0.478 ppbv
RT: 9.982 min Scan# 3056
Delta R.T. 0.004 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.8	14.3
85	66.9	31.9	95.9

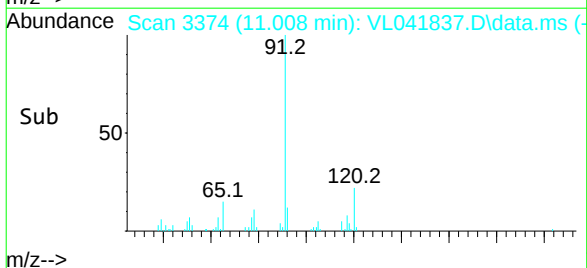
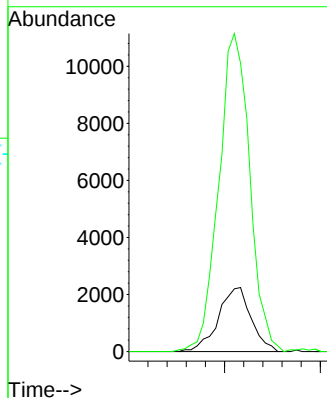
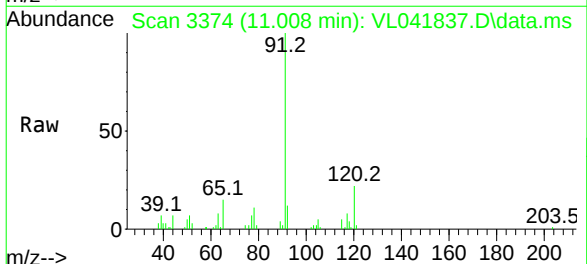
Manual Integrations
APPROVED

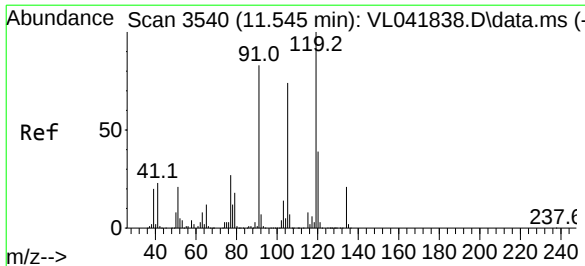
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#64
n-propylbenzene
Concen: 0.304 ppbv
RT: 11.008 min Scan# 3374
Delta R.T. 0.007 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Tgt Ion	Ratio	Lower	Upper
120	100		
91	471.0	382.1	573.1





#65

tert-Butylbenzene

Concen: 0.282 ppbv

RT: 11.552 min Scan# 3540

Delta R.T. 0.007 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Instrument :

MSVOA_L

ClientSampleId :

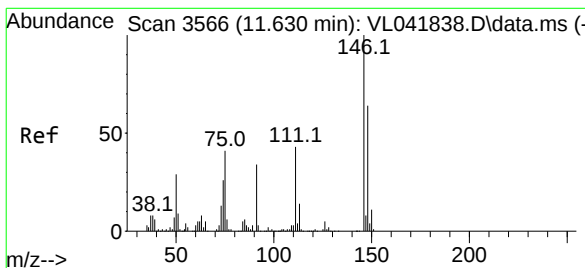
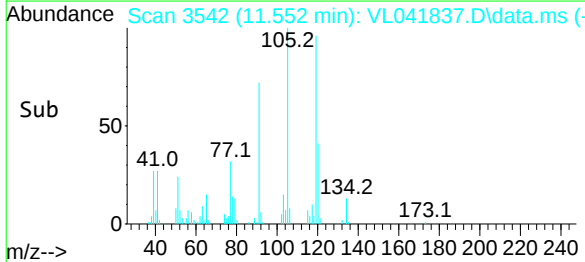
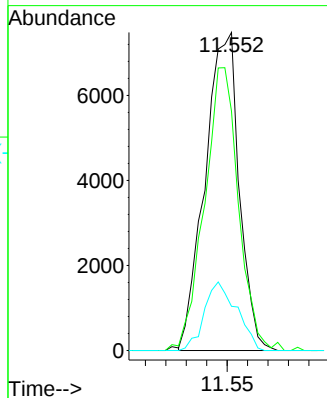
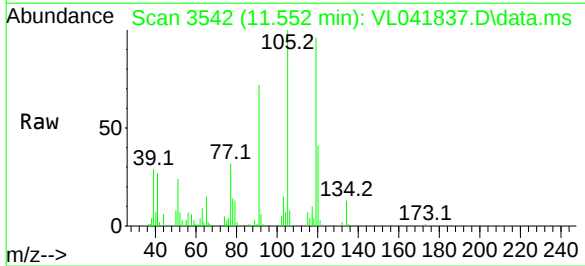
VSTDIC0.5

Tgt	Ion:119	Resp:	8701
Ion	Ratio	Lower	Upper
119	100		
91	88.4	68.0	102.0
134	20.5	16.2	24.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#66

Benzyl Chloride

Concen: 0.439 ppbv

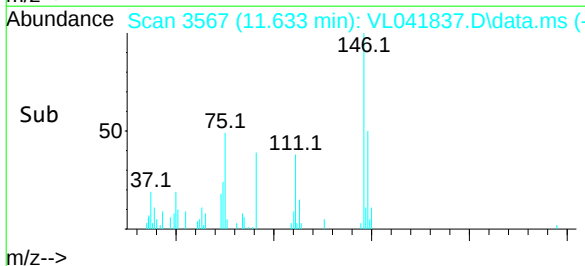
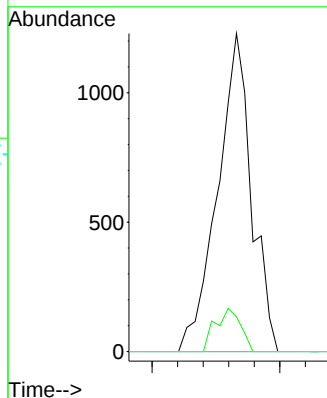
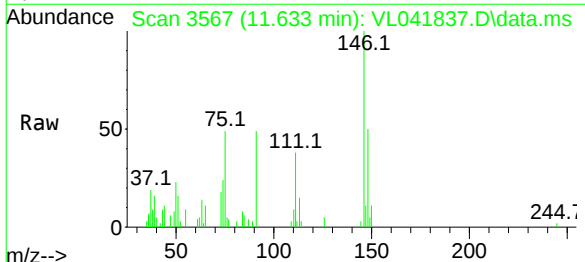
RT: 11.633 min Scan# 3567

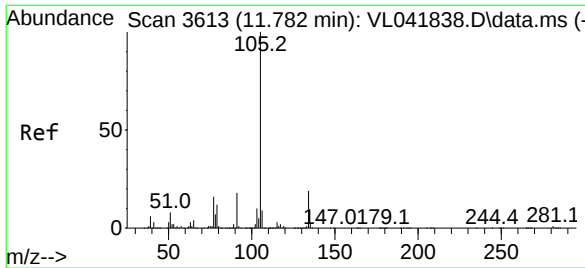
Delta R.T. 0.004 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Tgt	Ion: 91	Resp:	1132
Ion	Ratio	Lower	Upper
91	100		
126	10.2	12.1	18.1#
128	0.0	4.3	6.5#





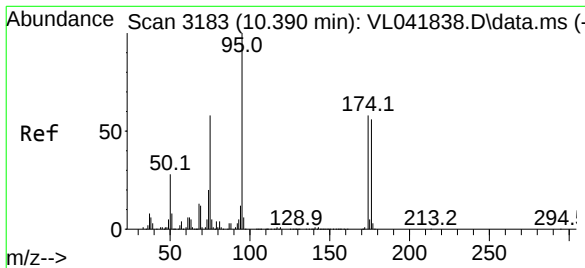
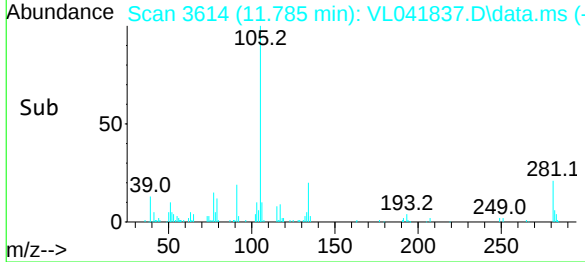
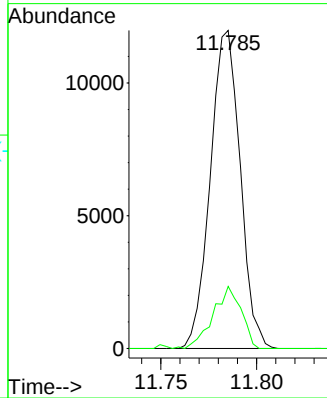
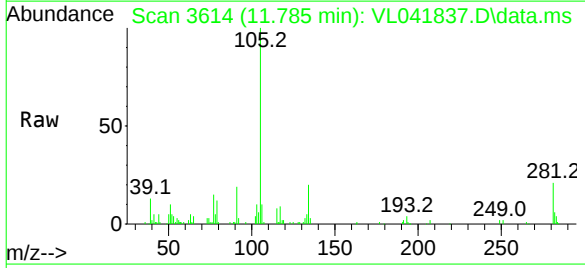
#67
 sec-Butylbenzene
 Concen: 0.288 ppbv
 RT: 11.785 min Scan# 3613
 Delta R.T. 0.004 min
 Lab File: VL041837.D
 Acq: 07 Jan 2025 08:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 105 Resp: 12985
 Ion Ratio Lower Upper
 105 100
 134 18.7 14.6 22.0

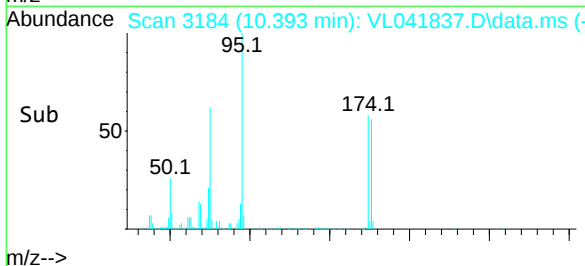
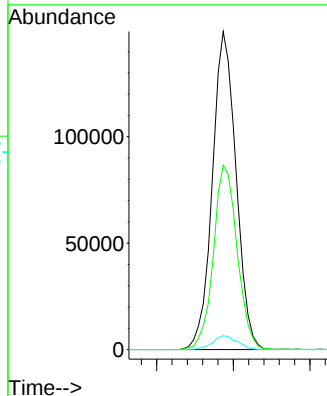
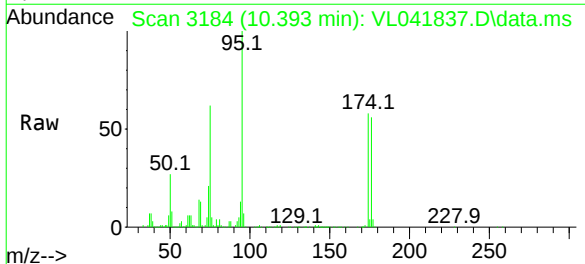
Manual Integrations
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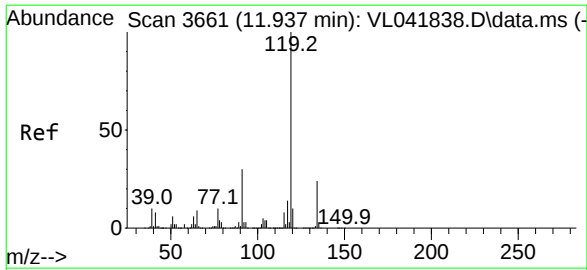
Reviewed By : Semsettin Yesilyurt 01/09/2025
 Supervised By : Mahesh Dadoda 01/09/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.062 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. 0.004 min
 Lab File: VL041837.D
 Acq: 07 Jan 2025 08:48

Tgt Ion: 95 Resp: 160501
 Ion Ratio Lower Upper
 95 100
 174 58.4 47.6 71.4
 175 4.6 3.8 5.6





#69

p-Isopropyltoluene

Concen: 0.284 ppbv

RT: 11.941 min Scan# 3662

Delta R.T. 0.004 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Instrument :

MSVOA_L

ClientSampleId :

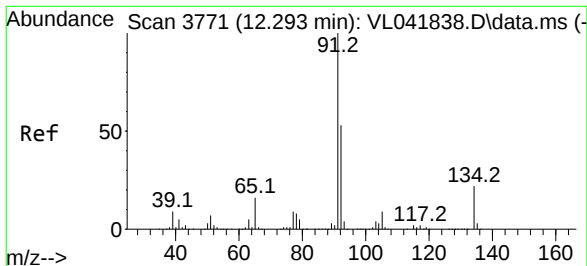
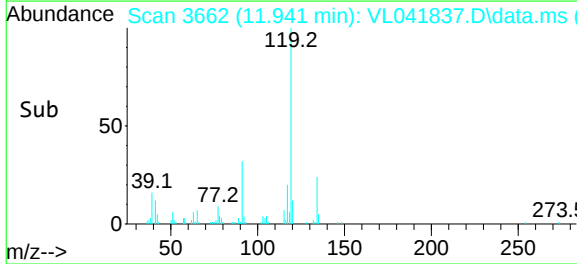
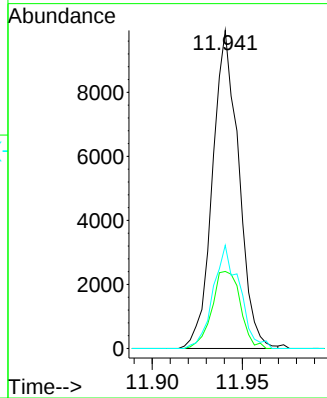
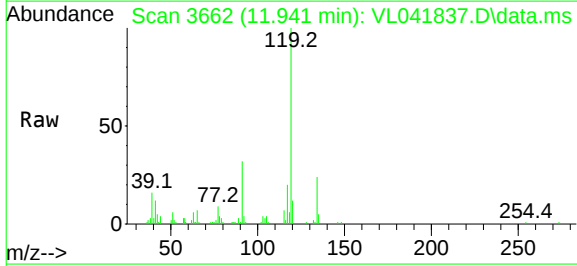
VSTDIC0.5

Tgt	Ion:119	Resp:	10032
Ion	Ratio	Lower	Upper
119	100		
134	26.2	19.4	29.2
91	32.8	24.0	36.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#70

n-Butylbenzene

Concen: 0.274 ppbv

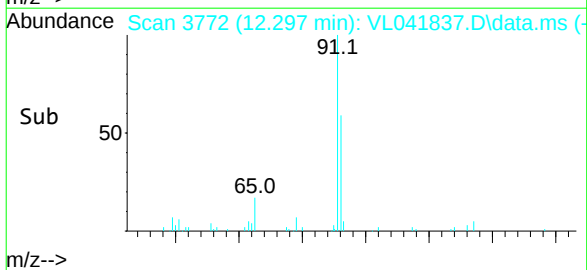
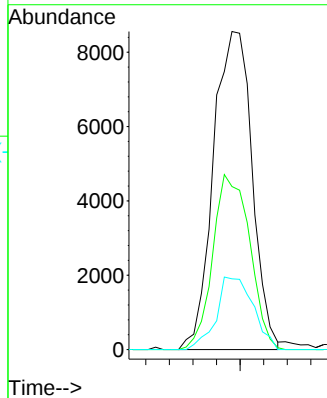
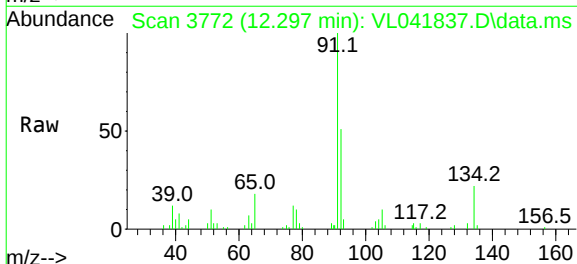
RT: 12.297 min Scan# 3772

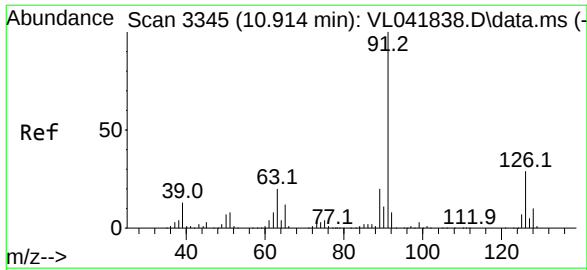
Delta R.T. 0.004 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Tgt	Ion: 91	Resp:	9747
Ion	Ratio	Lower	Upper
91	100		
92	52.5	42.8	64.2
134	21.7	17.8	26.6





#71

2-Chlorotoluene

Concen: 0.330 ppbv

RT: 10.918 min Scan# 3345

Delta R.T. 0.004 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 91 Resp: 8206

Ion Ratio Lower Upper

91 100

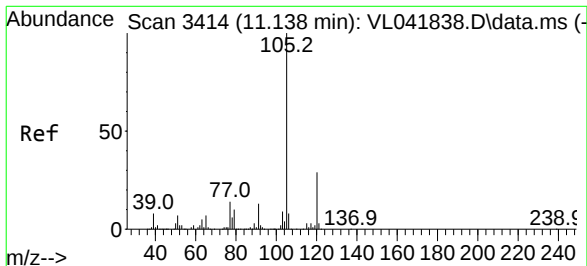
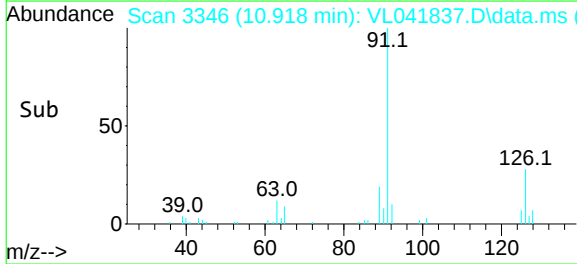
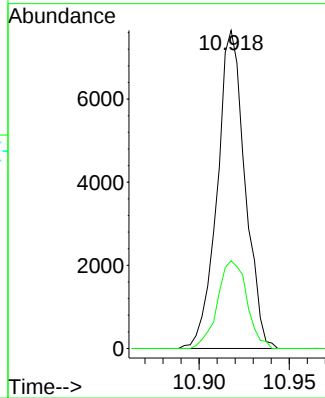
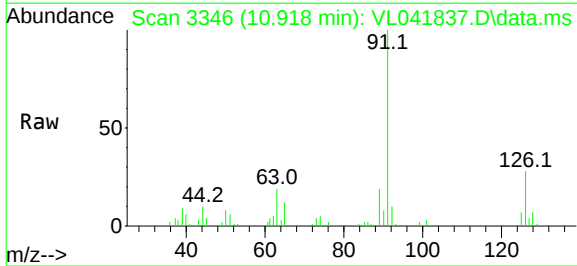
126 29.1 11.6 46.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025

Supervised By :Mahesh Dadoda 01/09/2025



#72

4-Ethyltoluene

Concen: 0.281 ppbv

RT: 11.141 min Scan# 3415

Delta R.T. 0.004 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Tgt Ion:105 Resp: 7403

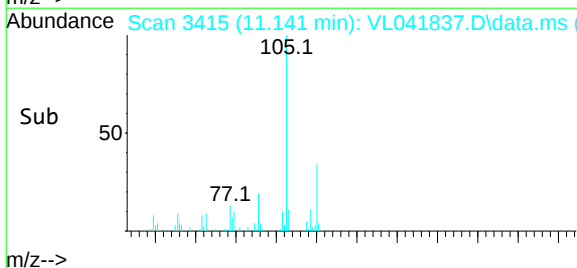
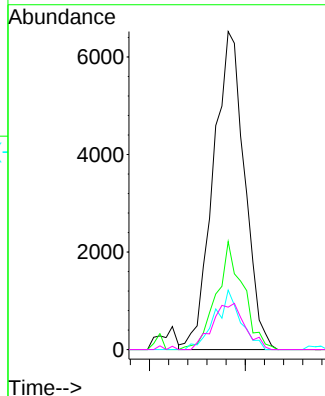
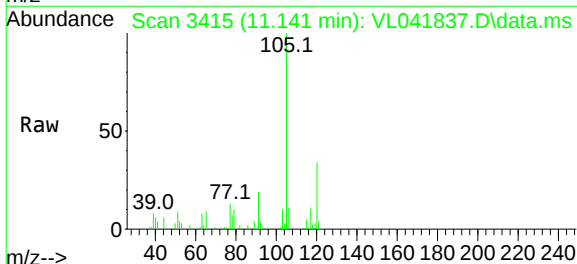
Ion Ratio Lower Upper

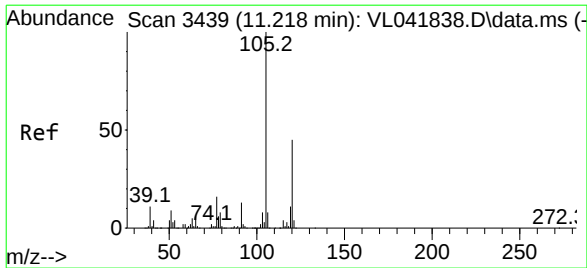
105 100

120 30.2 23.4 35.2

91 15.4 10.8 16.2

77 15.3 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.274 ppbv

RT: 11.219 min Scan# 3439

Delta R.T. 0.000 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Instrument :

MSVOA_L

ClientSampleId :

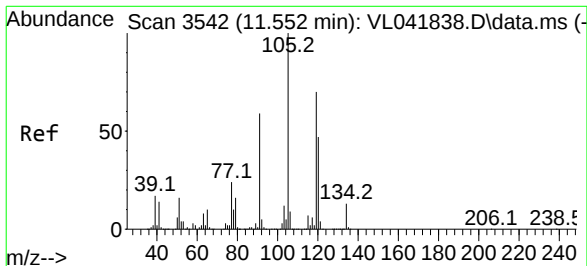
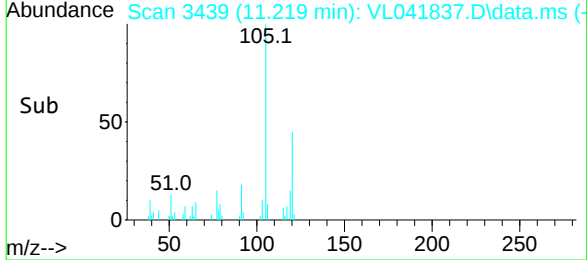
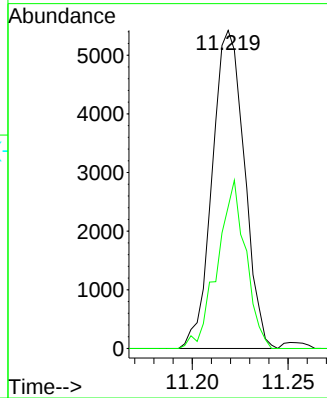
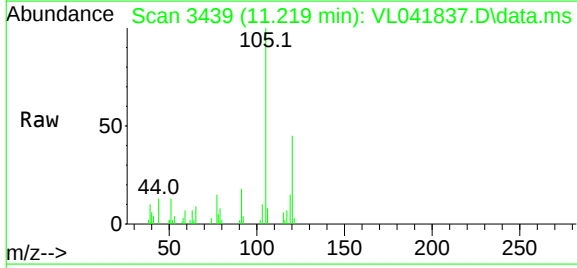
VSTDIC0.5

Tgt Ion:	105	Resp:	6330
Ion Ratio	Lower	Upper	
105	100		
120	44.5	35.9	53.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.286 ppbv

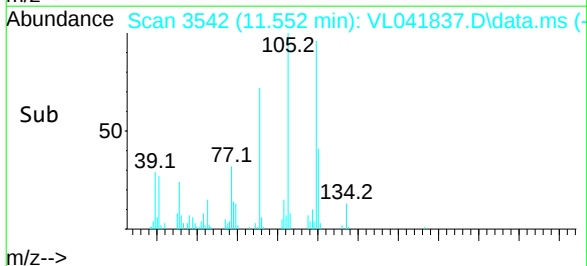
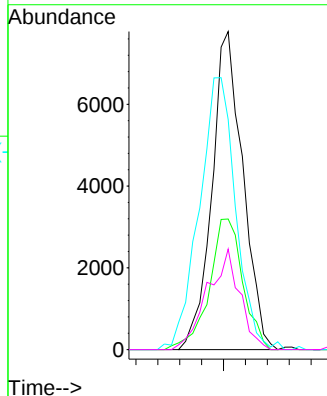
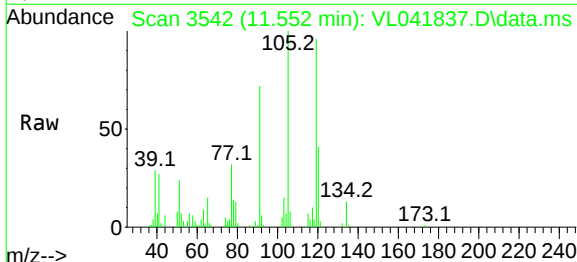
RT: 11.552 min Scan# 3542

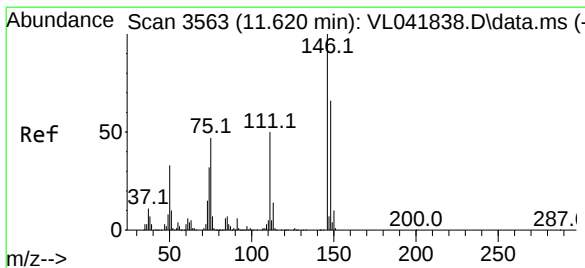
Delta R.T. 0.000 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Tgt Ion:	105	Resp:	7641
Ion Ratio	Lower	Upper	
105	100		
120	41.1	37.4	56.0
91	69.9	47.4	71.2
77	31.6	19.0	28.6





#75

1,3-Dichlorobenzene

Concen: 0.422 ppbv

RT: 11.623 min Scan# 3563

Delta R.T. 0.004 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Instrument :

MSVOA_L

ClientSampleId :

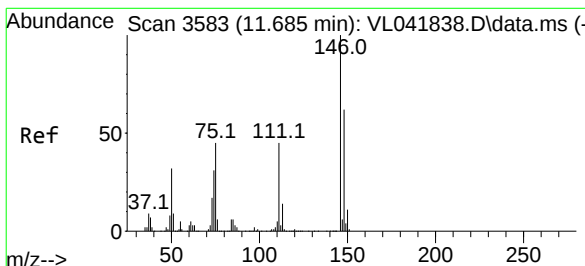
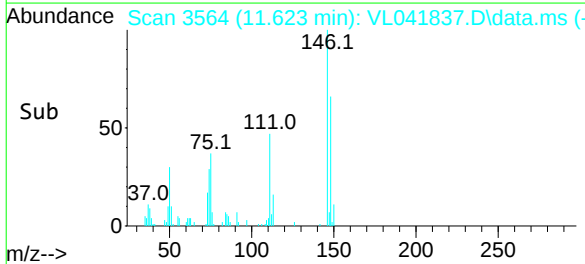
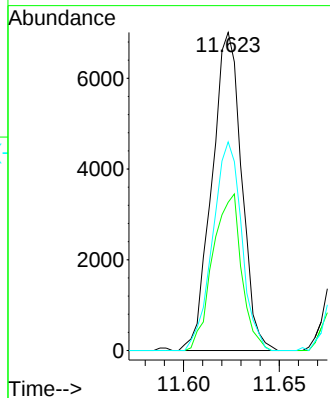
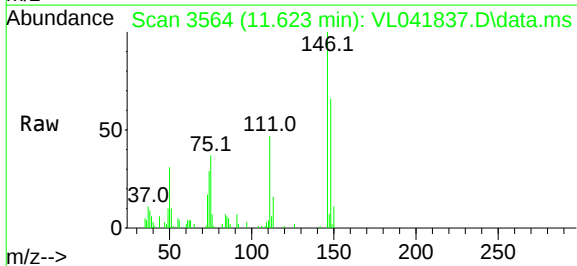
VSTDIC0.5

Tgt	Ion:146	Resp:	7551
Ion	Ratio	Lower	Upper
146	100		
111	48.0	24.1	72.2
148	64.1	32.0	96.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#76

1,4-Dichlorobenzene

Concen: 0.391 ppbv

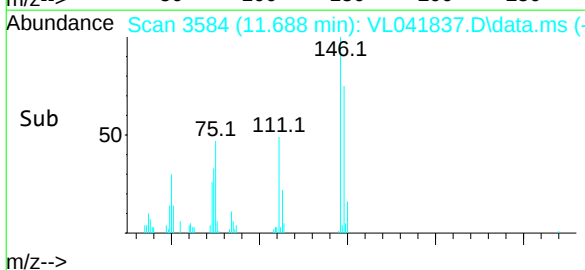
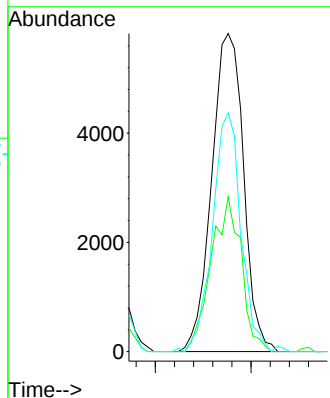
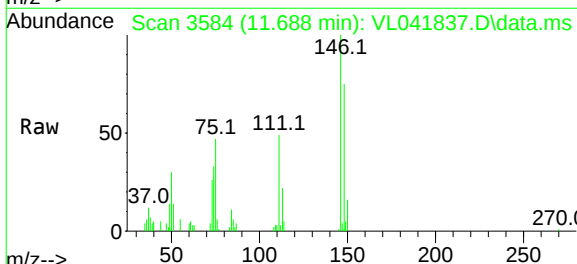
RT: 11.688 min Scan# 3584

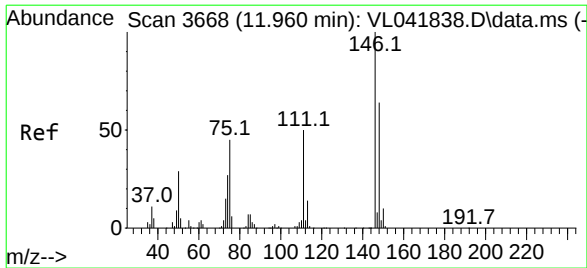
Delta R.T. 0.004 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Tgt	Ion:146	Resp:	6728
Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.2	69.6
148	67.1	32.1	96.3





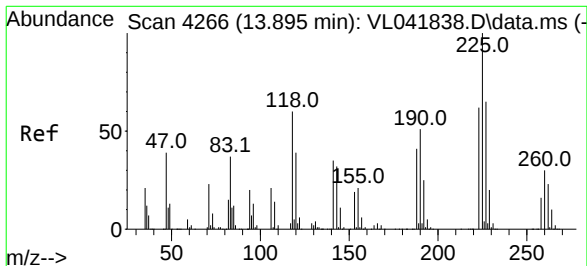
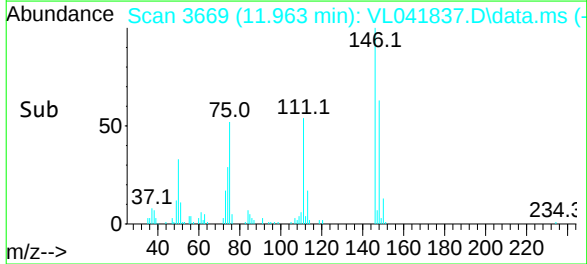
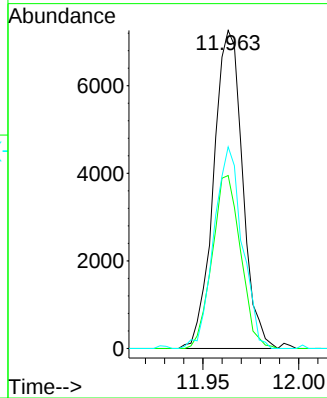
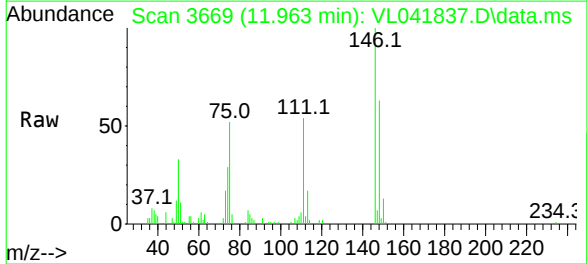
#77
1,2-Dichlorobenzene
Concen: 0.410 ppbv
RT: 11.963 min Scan# 3668
Delta R.T. 0.004 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:	146	Resp:	7641
Ion Ratio	Lower	Upper	
146	100		
111	53.4	24.7	74.1
148	62.7	31.5	94.5

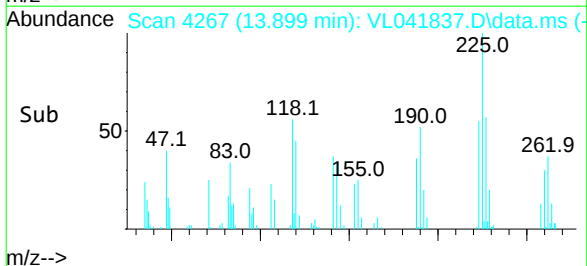
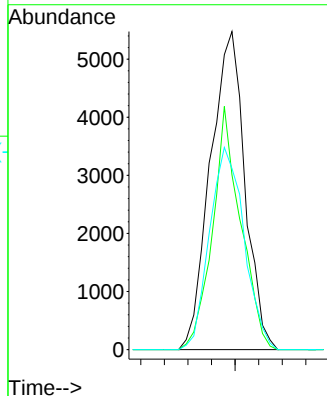
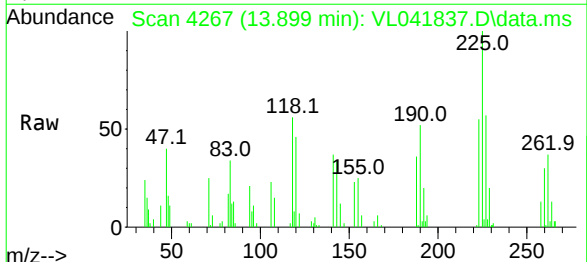
Manual Integrations
APPROVED

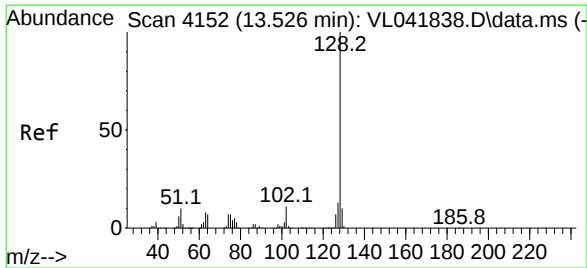
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#78
Hexachloro-1,3-Butadiene
Concen: 0.421 ppbv
RT: 13.899 min Scan# 4267
Delta R.T. 0.004 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Tgt Ion:	225	Resp:	5579
Ion Ratio	Lower	Upper	
225	100		
223	62.2	50.4	75.6
227	63.5	51.2	76.8





#79

Naphthalene

Concen: 0.241 ppbv

RT: 13.530 min Scan# 4153

Delta R.T. 0.004 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

Instrument :

MSVOA_L

ClientSampleId :

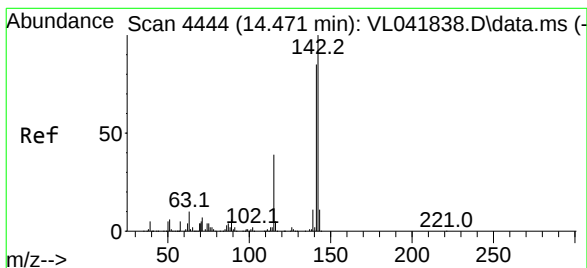
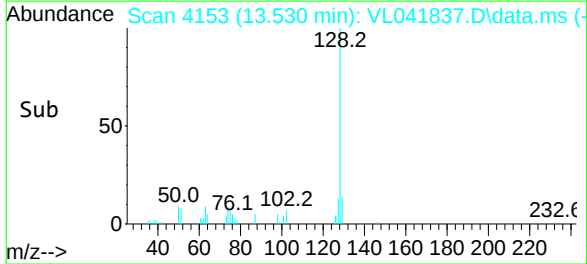
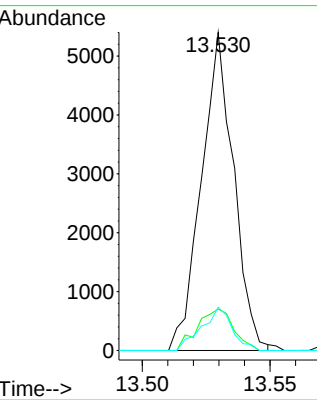
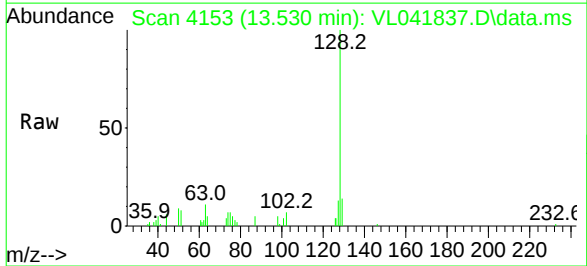
VSTDICC0.5

Tgt Ion:	128	Resp:	4739
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	13.6	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#80

Naphthalene, 2-methyl-

Concen: 0.201 ppbv

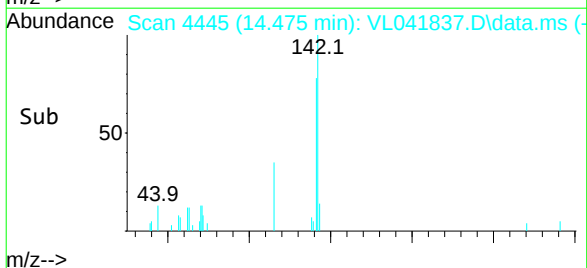
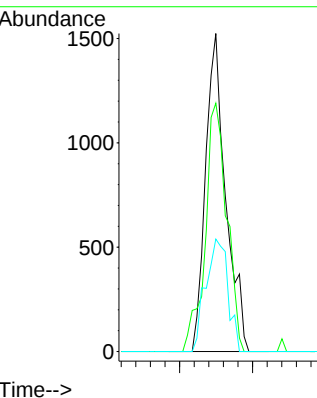
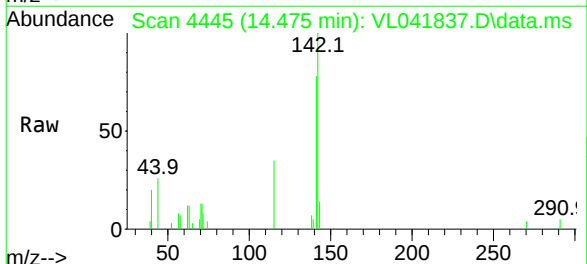
RT: 14.475 min Scan# 4445

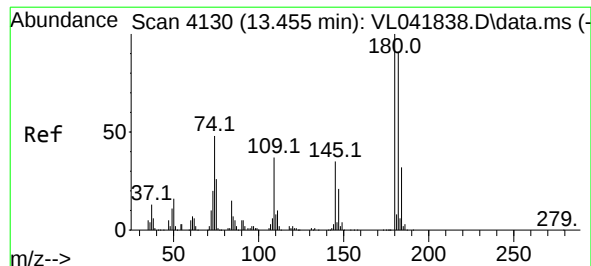
Delta R.T. 0.004 min

Lab File: VL041837.D

Acq: 07 Jan 2025 08:48

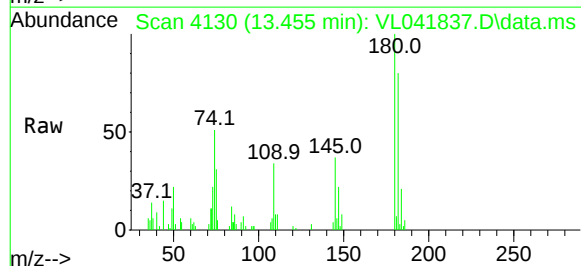
Tgt Ion:	142	Resp:	1462
Ion	Ratio	Lower	Upper
142	100		
141	83.5	67.8	101.8
115	39.0	32.6	48.8





#81
1,2,4-Trichlorobenzene
Concen: 0.330 ppbv
RT: 13.455 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041837.D
Acq: 07 Jan 2025 08:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion:	180	Resp:	3607
Ion Ratio	Lower	Upper	
180	100		
182	89.4	75.9	113.9
184	30.2	24.8	37.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

