

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
 Data File : VL042230.D
 Acq On : 07 Apr 2025 11:09
 Operator : SY/MD
 Sample : VL0407ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/08/2025
 Supervised By : Mahesh Dadoda 04/09/2025

Quant Time: Apr 08 01:29:41 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	197822	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.978	114	531347	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.901	117	473981	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 398322 10.233 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	273487	9.363	ppbv	100
3) Chlorodifluoromethane	1.479	51	276521	9.267	ppbv	97
4) Chloromethane	1.538	50	106766	8.944	ppbv	99
5) Vinyl Chloride	1.586	62	101600	8.032	ppbv	94
6) Bromomethane	1.674	94	44439	8.215	ppbv	98
7) Chloroethane	1.709	64	42458	8.861	ppbv	97
8) Dichlorotetrafluoroethane	1.560	85	230477	9.266	ppbv	94
9) Propene	1.489	41	106235	7.768	ppbv	97
10) Heptane	5.001	43	311035	8.550	ppbv	100
11) Trichlorofluoromethane	1.884	101	260770	9.175	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.149	101	210391	9.006	ppbv	96
13) Ethanol	1.729	45	5394	4.172	ppbv	97
14) Bromoethene	1.787	108	71737	8.016	ppbv	97
15) Acetone	1.842	43	230460	8.330	ppbv	96
16) 1,3-Butadiene	1.615	39	109306	8.090	ppbv	99
17) tert-Butyl alcohol	2.049	59	271487	7.879	ppbv	99
18) 1,1-Dichloroethene	2.042	96	88728	8.125	ppbv	95
19) Isopropyl Alcohol	1.894	45	129131	8.272	ppbv	98
20) Methylene Chloride	2.068	84	76153	7.391	ppbv	92
21) Allyl Chloride	2.104	41	167334	8.576	ppbv	98
22) trans-1,2-Dichloroethene	2.350	96	104449	8.275	ppbv	93
23) Vinyl Acetate	2.473	43	96391	8.050	ppbv #	97
24) 1,1-Dichloroethane	2.418	63	214121	9.152	ppbv	100
25) Ethyl Acetate	2.848	43	639210	8.902	ppbv	99
26) Hexane	2.839	57	246755	8.897	ppbv	100
27) Carbon Disulfide	2.159	76	258412	8.689	ppbv	96
28) Methyl tert-Butyl Ether	2.450	73	142610	8.259	ppbv	94
29) Chloroform	2.861	83	397517	9.793	ppbv	99
30) Cyclohexane	3.874	84	203521	8.451	ppbv	97
31) cis-1,2-Dichloroethene	2.732	61	249591	8.864	ppbv	98
32) 1,1,1-Trichloroethane	3.386	97	406124	8.739	ppbv	98
34) 2-Butanone	2.570	43	362939	9.420	ppbv	99
35) Carbon Tetrachloride	3.781	117	418362	10.079	ppbv	99
36) Benzene	3.674	78	494216	9.382	ppbv	99
37) 1,2-Dichloroethane	3.234	62	314377	10.424	ppbv	98
38) Trichloroethene	4.570	130	202575	9.217	ppbv	97
39) 1,2-Dichloropropane	4.334	63	179485	9.356	ppbv	92
40) 1,4-Dioxane	4.606	88	85103	8.358	ppbv #	93
41) Tetrahydrofuran	3.068	42	201260	9.071	ppbv	98
42) Bromodichloromethane	4.512	83	430763	10.361	ppbv	99
43) Methyl Methacrylate	4.907	69	188872	8.470	ppbv	98
44) 2,2,4-Trimethylpentane	4.664	57	838005	9.414	ppbv	97
45) t-1,3-Dichloropropene	6.444	75	194507	8.130	ppbv	97

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

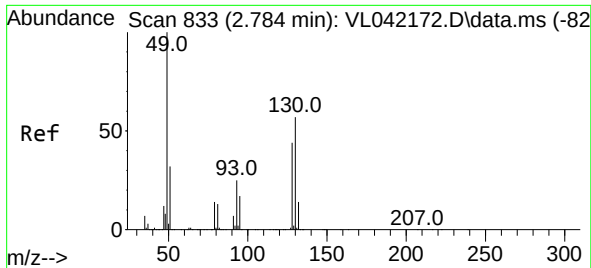
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

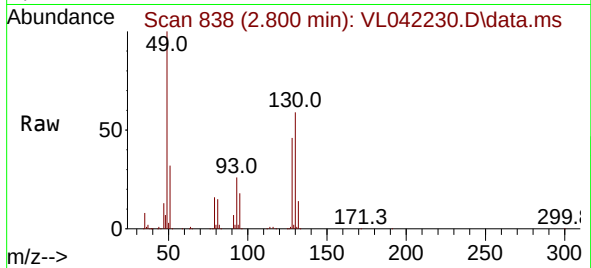
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	252229	8.601	ppbv	99
47) 1,1,2-Trichloroethane	6.606	97	201960	9.959	ppbv	95
48) Dibromochloromethane	7.412	129	343914	10.007	ppbv	99
49) Bromoform	9.500	173	302914	9.817	ppbv	99
50) 4-Methyl-2-Pentanone	5.784	43	510960	8.368	ppbv	97
51) 2-Hexanone	7.461	43	415858	8.294	ppbv #	96
52) Tetrachloroethene	8.244	164	174622	8.359	ppbv	96
53) Toluene	6.962	91	562424	9.007	ppbv	99
54) 1,2-Dibromoethane	7.674	107	272683	9.646	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.943	131	276768	10.608	ppbv	99
57) Chlorobenzene	8.940	112	458748	10.204	ppbv	99
58) Ethyl Benzene	9.373	91	821248	9.754	ppbv	99
59) m/p-Xylene	9.568	91	1370037m	20.379	ppbv	
60) o-Xylene	9.982	91	684704	10.160	ppbv	97
61) Styrene	9.888	104	318889	9.564	ppbv	99
62) Isopropylbenzene	10.555	105	1035385	10.274	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.979	83	442871	10.816	ppbv	98
64) n-propylbenzene	11.005	120	270373	10.422	ppbv	99
65) tert-Butylbenzene	11.545	119	944630	10.135	ppbv	98
66) Benzyl Chloride	11.629	91	70444	7.123	ppbv	100
67) sec-Butylbenzene	11.782	105	1346681	10.395	ppbv	99
69) p-Isopropyltoluene	11.940	119	1151394	10.321	ppbv	99
70) n-Butylbenzene	12.296	91	1190709	10.437	ppbv	98
71) 2-Chlorotoluene	10.917	91	803764	10.276	ppbv	100
72) 4-Ethyltoluene	11.141	105	867726	10.341	ppbv	99
73) 1,3,5-Trimethylbenzene	11.218	105	750866	10.246	ppbv	97
74) 1,2,4-Trimethylbenzene	11.552	105	832142	9.856	ppbv	93
75) 1,3-Dichlorobenzene	11.623	146	491666	10.618	ppbv	99
76) 1,4-Dichlorobenzene	11.688	146	486784	10.563	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	480453	10.656	ppbv	99
78) Hexachloro-1,3-Butadiene	13.895	225	375805	8.189	ppbv	99
79) Naphthalene	13.526	128	855353	9.262	ppbv	100
80) Naphthalene,2-methyl-	14.471	142	301864	6.665	ppbv	99
81) 1,2,4-Trichlorobenzene	13.455	180	383097	8.994	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

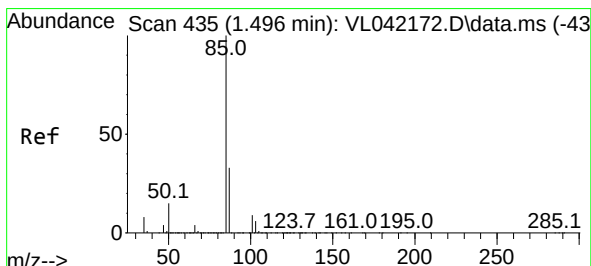
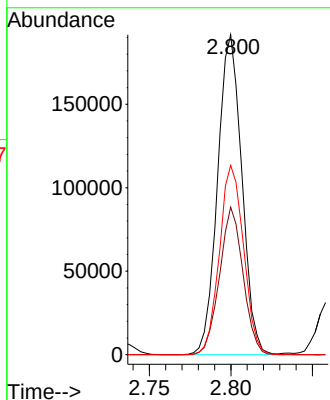
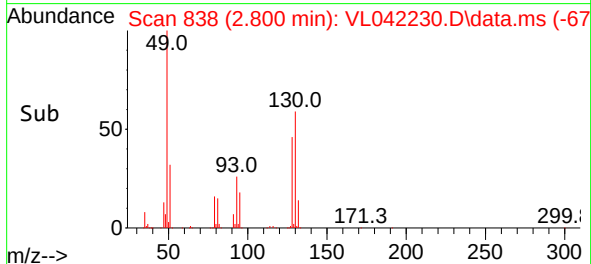
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01



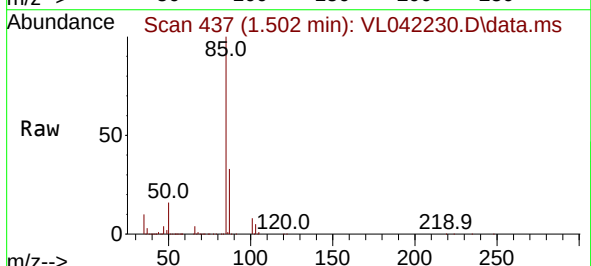
Tgt Ion: 49 Resp: 19782
Ion Ratio Lower Upper
49 100
128 44.6 22.9 68.5
130 59.0 28.8 86.4

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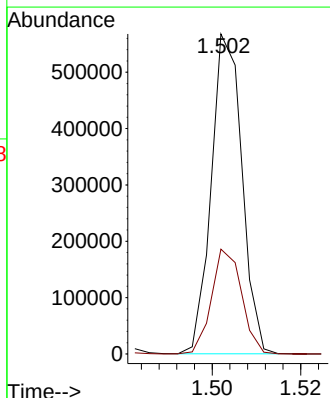
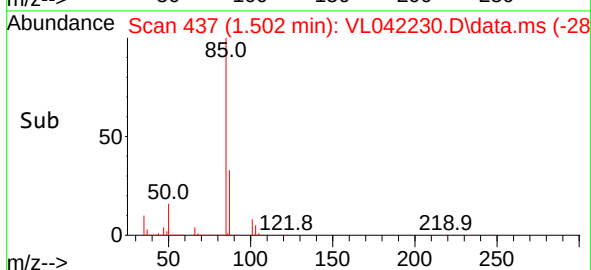
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

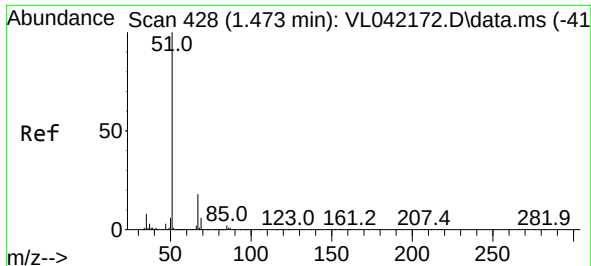


#2
Dichlorodifluoromethane
Concen: 9.363 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09



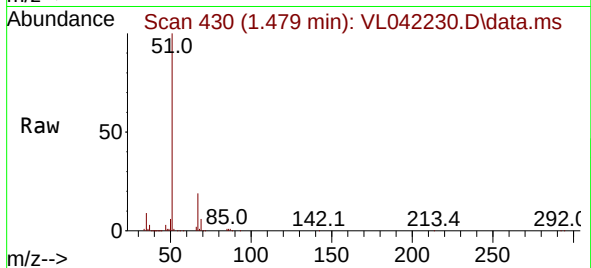
Tgt Ion: 85 Resp: 273487
Ion Ratio Lower Upper
85 100
87 32.7 26.1 39.1





#3
Chlorodifluoromethane
Concen: 9.267 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

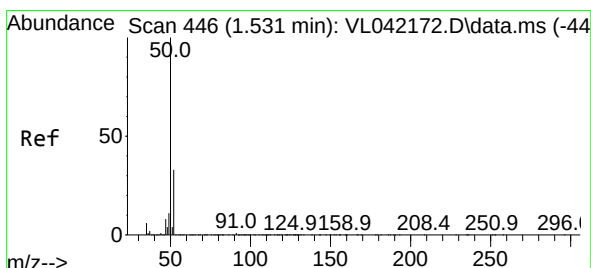
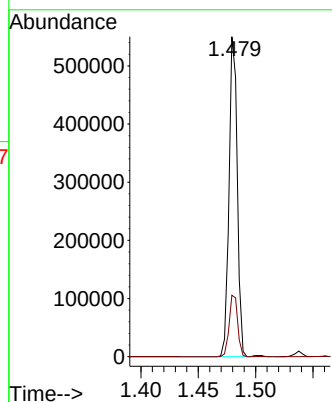
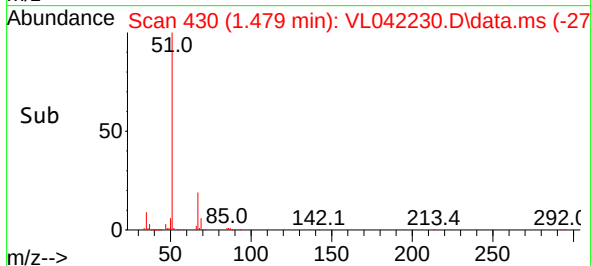
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01



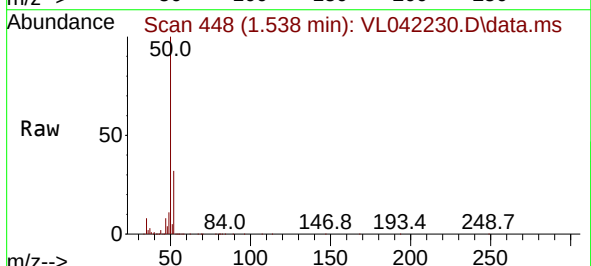
Tgt Ion: 51 Resp: 27652
Ion Ratio Lower Upper
51 100
67 19.9 15.0 22.6

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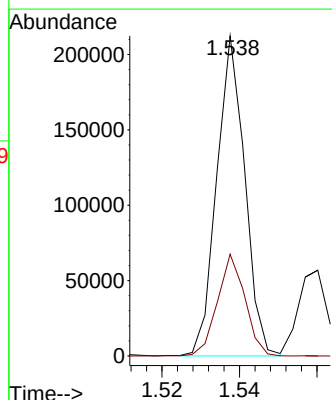
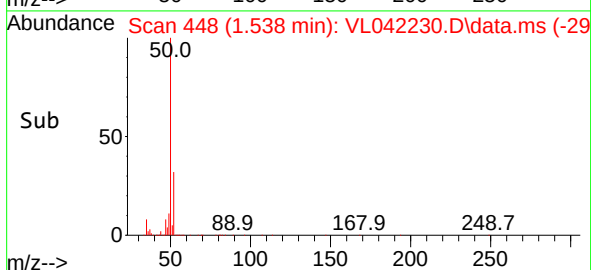
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

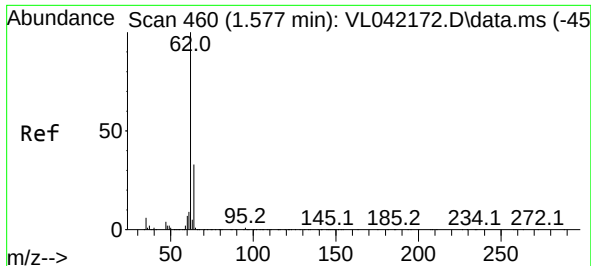


#4
Chloromethane
Concen: 8.944 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09



Tgt Ion: 50 Resp: 106766
Ion Ratio Lower Upper
50 100
52 31.8 26.1 39.1





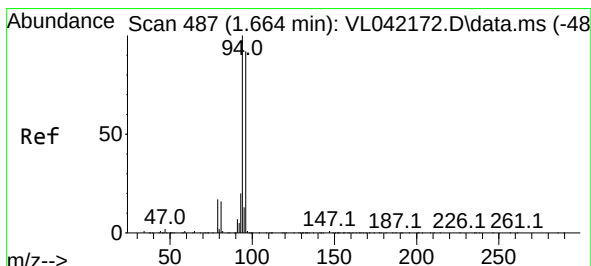
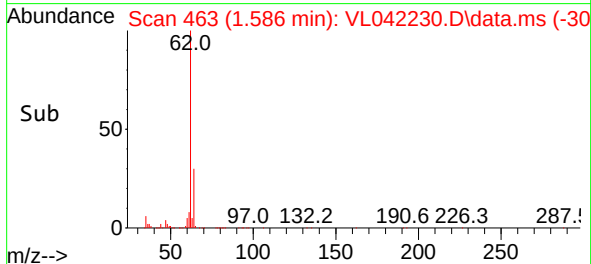
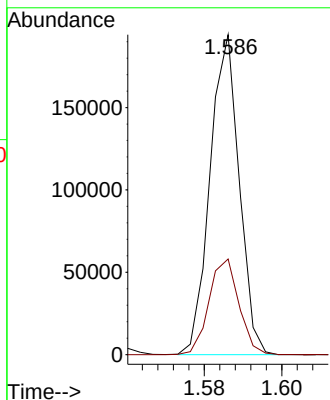
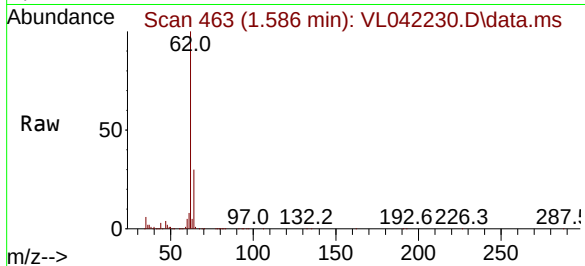
#5
 Vinyl Chloride
 Concen: 8.032 ppbv
 RT: 1.586 min Scan# 40
 Delta R.T. 0.009 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tgt Ion: 62 Resp: 101600
 Ion Ratio Lower Upper
 62 100
 64 29.8 26.6 40.0

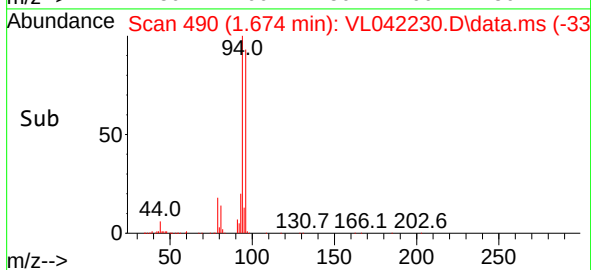
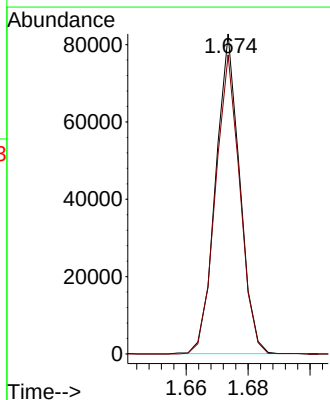
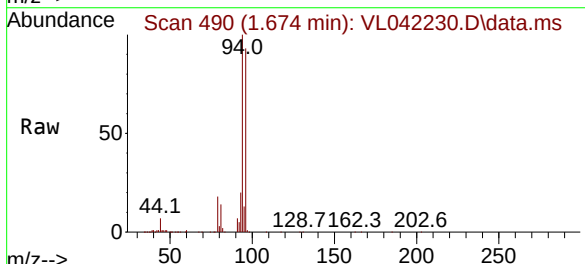
Manual Integrations
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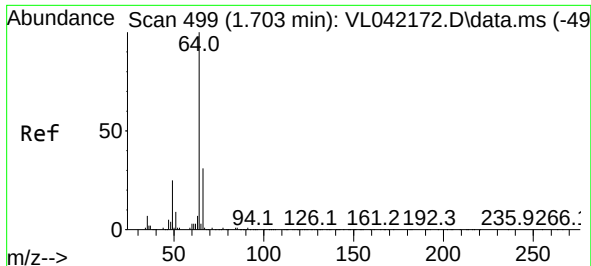
Reviewed By :Semsettin Yesilyurt 04/08/2025
 Supervised By :Mahesh Dadoda 04/09/2025



#6
 Bromomethane
 Concen: 8.215 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.009 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

Tgt Ion: 94 Resp: 44439
 Ion Ratio Lower Upper
 94 100
 96 93.6 73.1 109.7





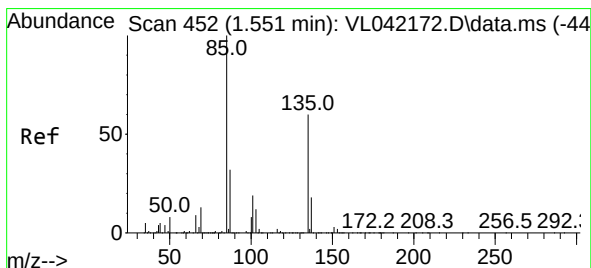
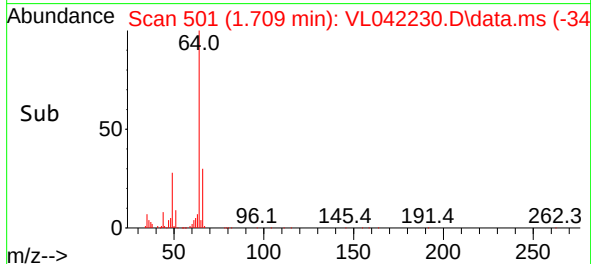
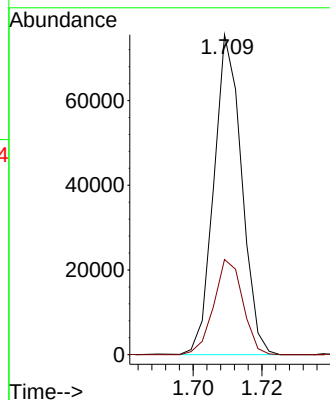
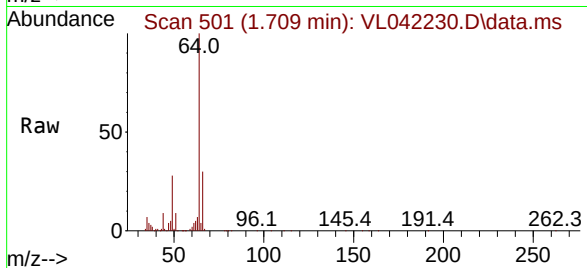
#7
Chloroethane
Concen: 8.861 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.006 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 64 Resp: 42458
Ion Ratio Lower Upper
64 100
66 29.8 25.2 37.8

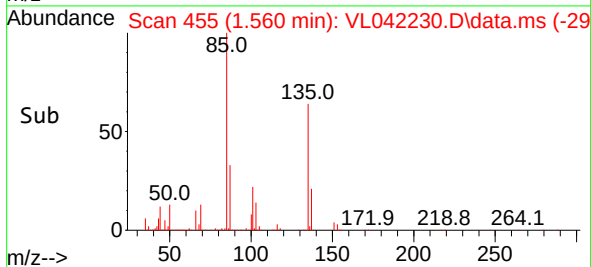
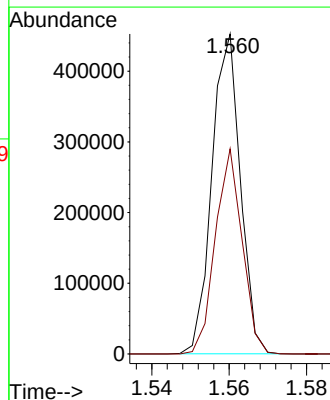
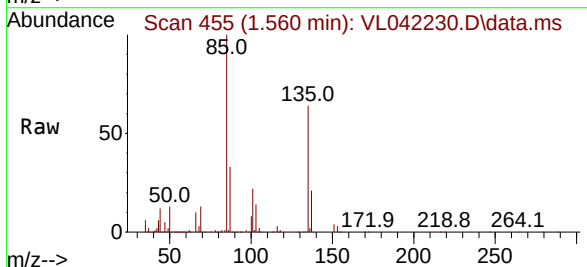
Manual Integrations
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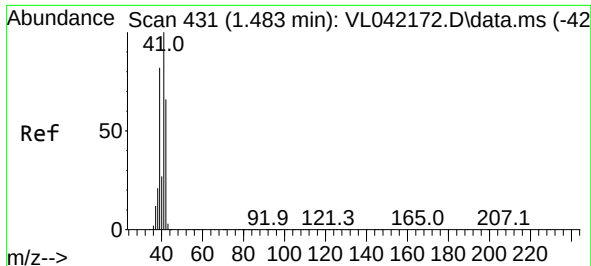
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#8
Dichlorotetrafluoroethane
Concen: 9.266 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 85 Resp: 230477
Ion Ratio Lower Upper
85 100
135 60.5 52.4 78.6





#9

Propene

Concen: 7.768 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tgt Ion: 41 Resp: 106235

Ion Ratio Lower Upper

41 100

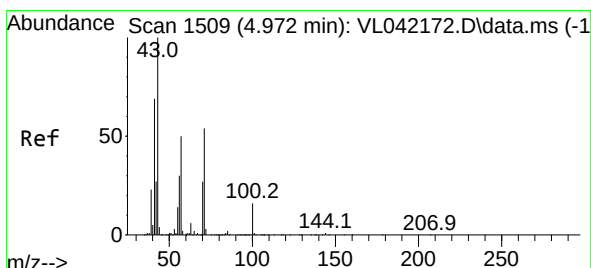
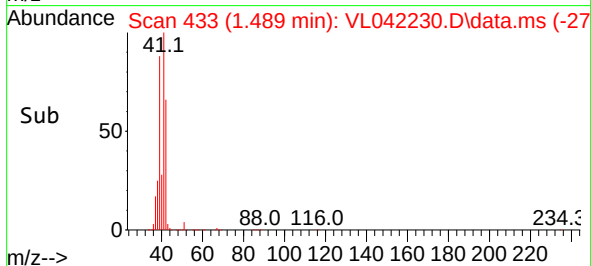
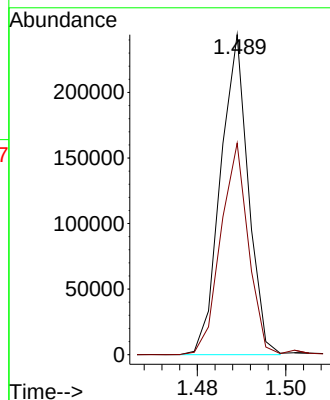
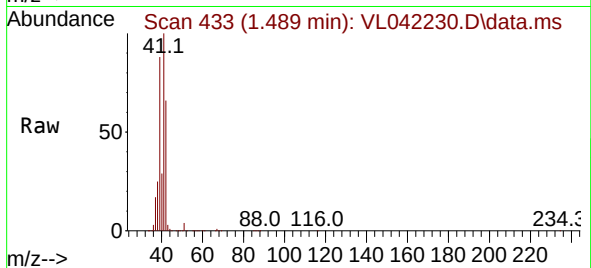
42 66.9 55.4 83.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/08/2025

Supervised By :Mahesh Dadoda 04/09/2025



#10

Heptane

Concen: 8.550 ppbv

RT: 5.001 min Scan# 1518

Delta R.T. 0.029 min

Lab File: VL042230.D

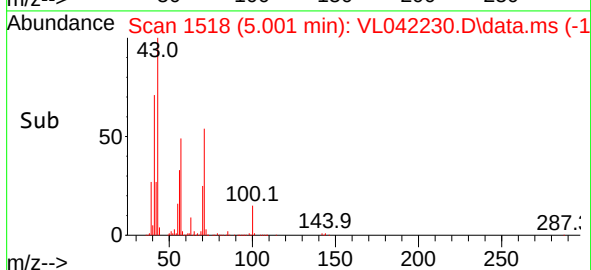
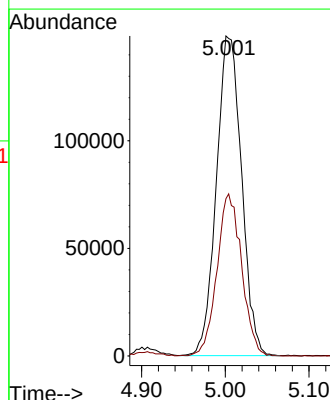
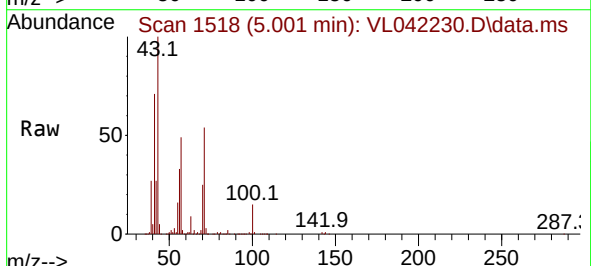
Acq: 07 Apr 2025 11:09

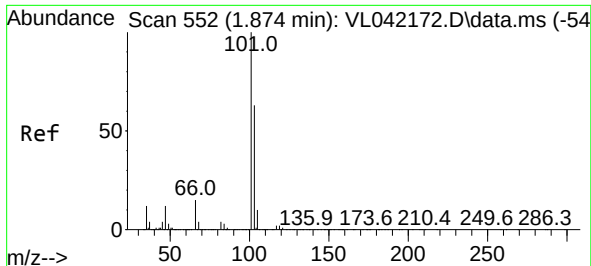
Tgt Ion: 43 Resp: 311035

Ion Ratio Lower Upper

43 100

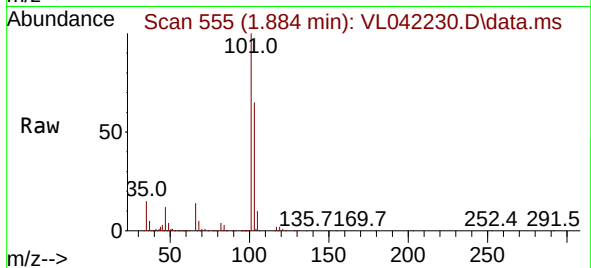
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#11
 Trichlorofluoromethane
 Concen: 9.175 ppbv
 RT: 1.884 min Scan# 511
 Delta R.T. 0.009 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

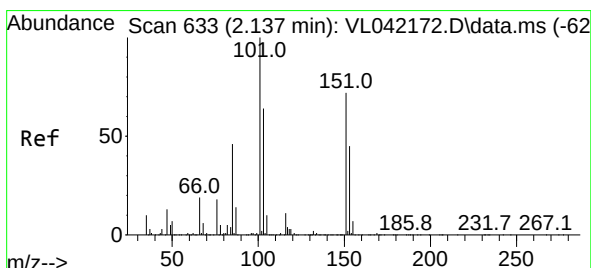
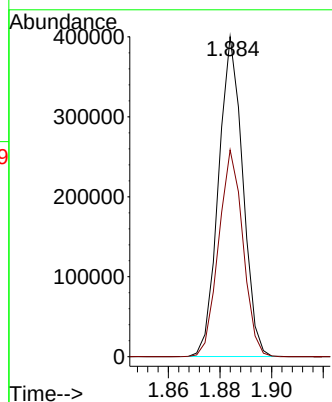
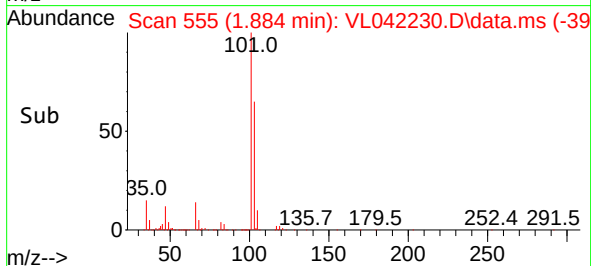
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01



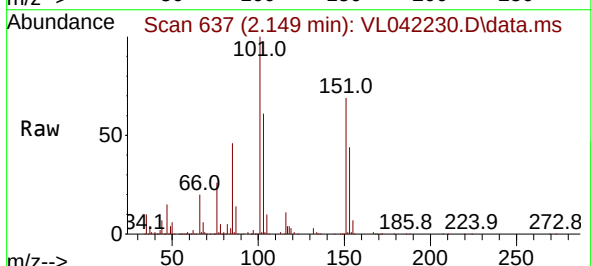
Tgt Ion:101 Resp: 260770
 Ion Ratio Lower Upper
 101 100
 103 64.6 50.2 75.2

Manual Integrations
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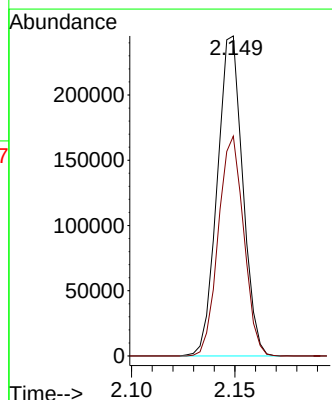
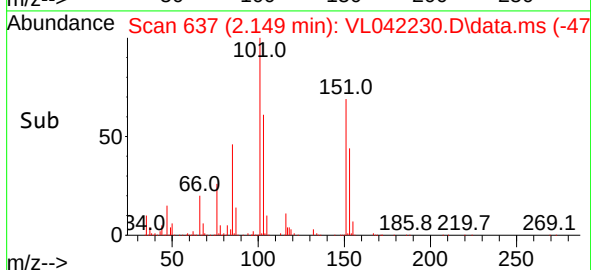
Reviewed By :Semsettin Yesilyurt 04/08/2025
 Supervised By :Mahesh Dadoda 04/09/2025

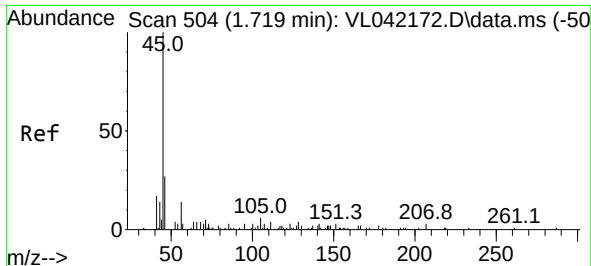


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.006 ppbv
 RT: 2.149 min Scan# 637
 Delta R.T. 0.013 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09



Tgt Ion:101 Resp: 210391
 Ion Ratio Lower Upper
 101 100
 151 68.4 57.1 85.7





#13

Ethanol

Concen: 4.172 ppbv

RT: 1.729 min Scan# 504

Delta R.T. 0.009 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

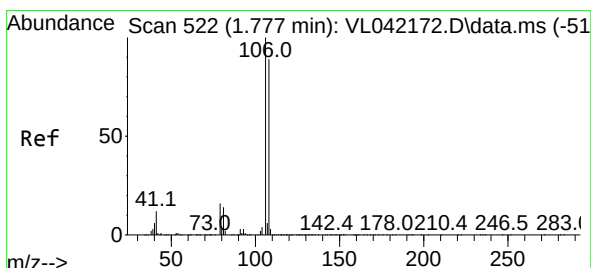
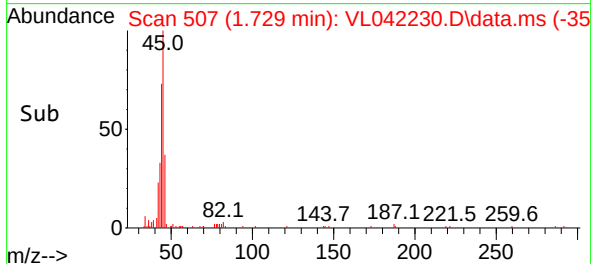
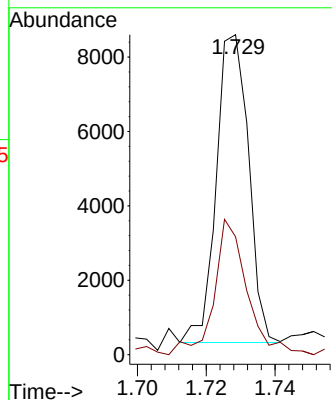
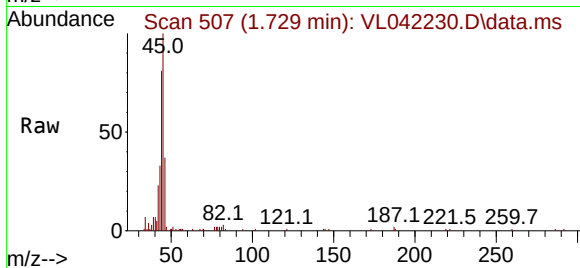
VL0407ABS01

Tgt Ion: 45 Resp: 5394
 Ion Ratio Lower Upper
 45 100
 46 48.4 20.2 80.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
 Supervised By :Mahesh Dadoda 04/09/2025



#14

Bromoethene

Concen: 8.016 ppbv

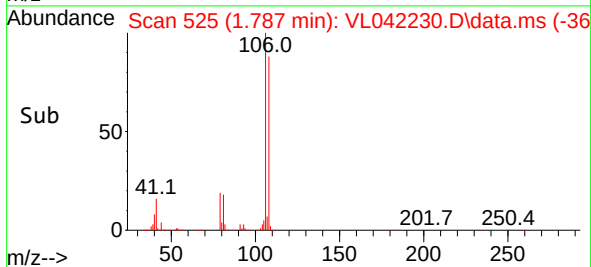
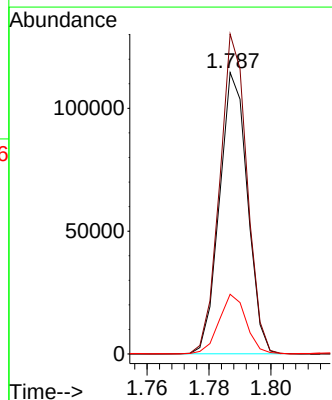
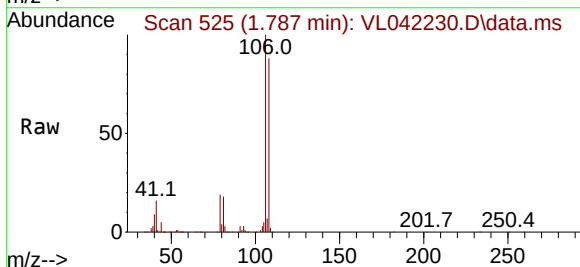
RT: 1.787 min Scan# 525

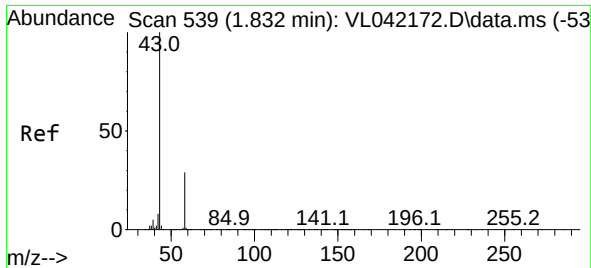
Delta R.T. 0.009 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Tgt Ion:108 Resp: 71737
 Ion Ratio Lower Upper
 108 100
 106 111.4 86.8 130.2
 79 21.4 15.0 22.6





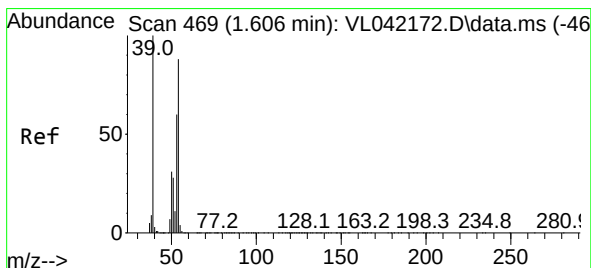
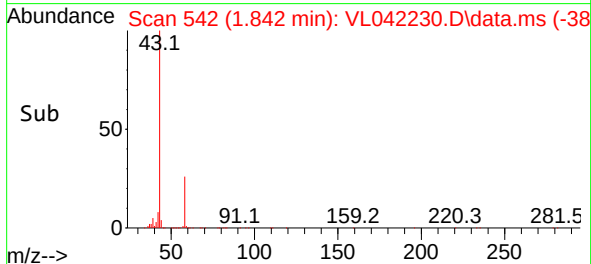
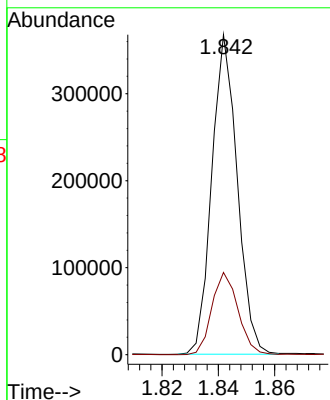
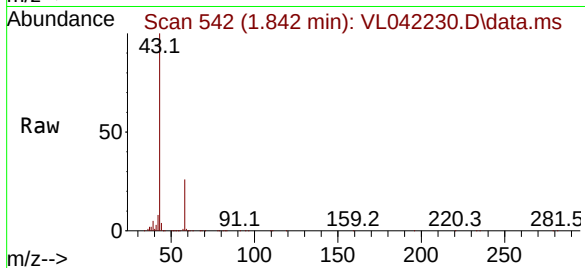
#15
Acetone
Concen: 8.330 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 43 Resp: 230460
Ion Ratio Lower Upper
43 100
58 26.7 23.2 34.8

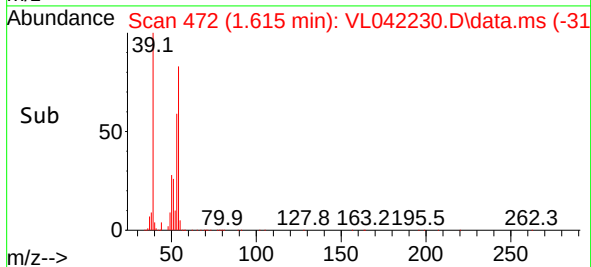
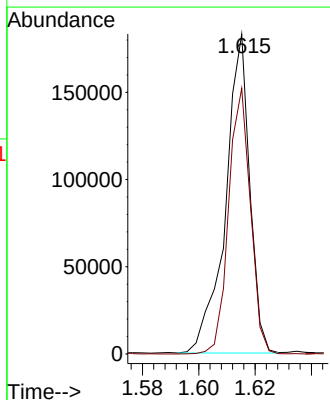
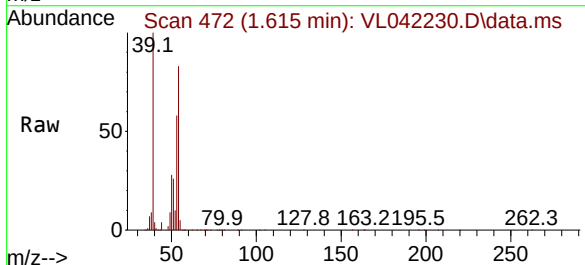
Manual Integrations
APPROVED

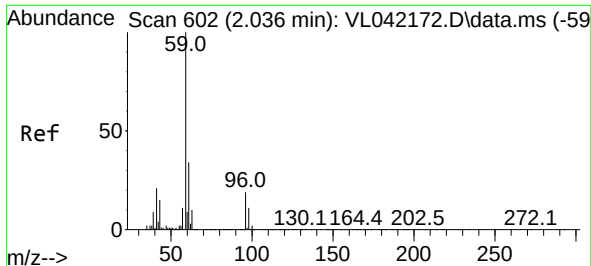
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#16
1,3-Butadiene
Concen: 8.090 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 39 Resp: 109306
Ion Ratio Lower Upper
39 100
54 74.7 60.7 91.1





#17

tert-Butyl alcohol

Concen: 7.879 ppbv

RT: 2.049 min Scan# 60

Delta R.T. 0.013 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tgt Ion: 59 Resp: 27148

Ion Ratio Lower Upper

59 100

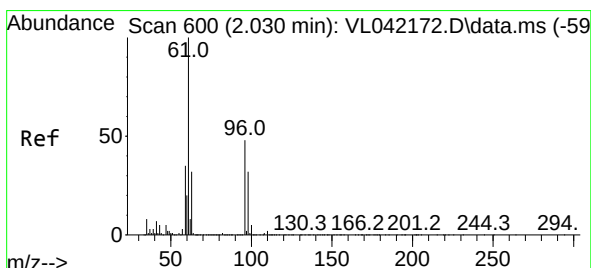
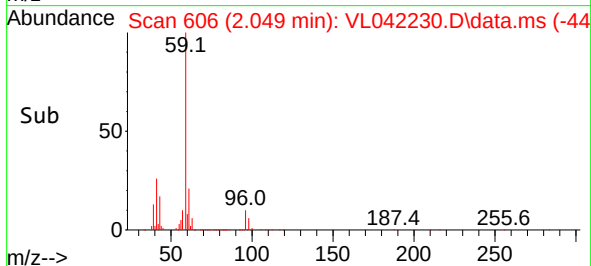
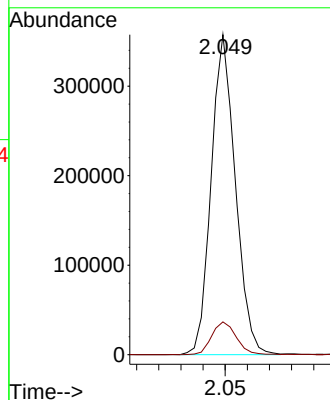
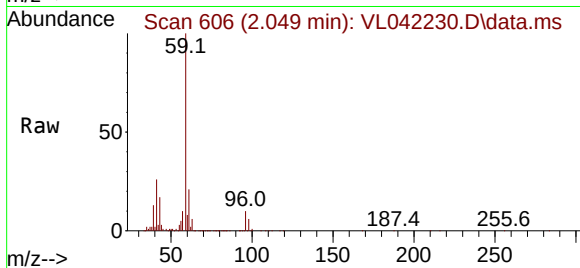
57 10.7 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025

Supervised By :Mahesh Dadoda 04/09/2025



#18

1,1-Dichloroethene

Concen: 8.125 ppbv

RT: 2.042 min Scan# 604

Delta R.T. 0.013 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

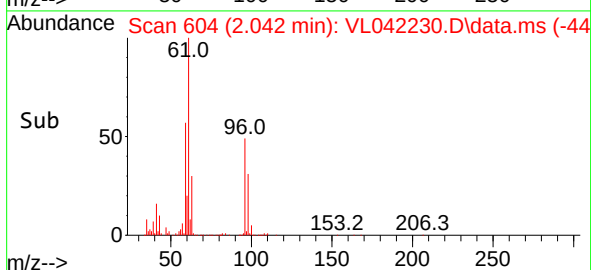
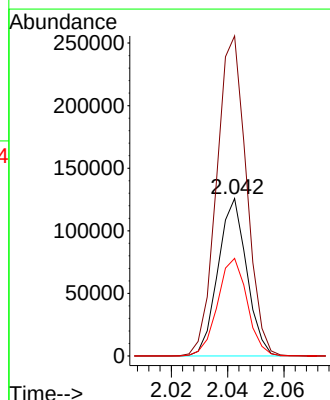
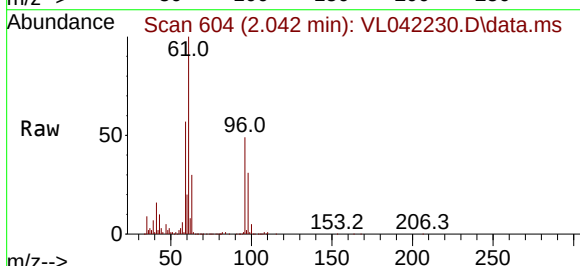
Tgt Ion: 96 Resp: 88728

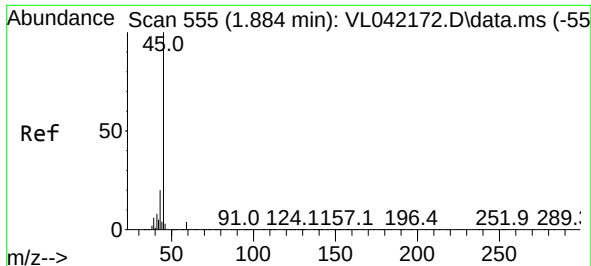
Ion Ratio Lower Upper

96 100

61 203.0 167.6 251.4

98 62.0 53.5 80.3





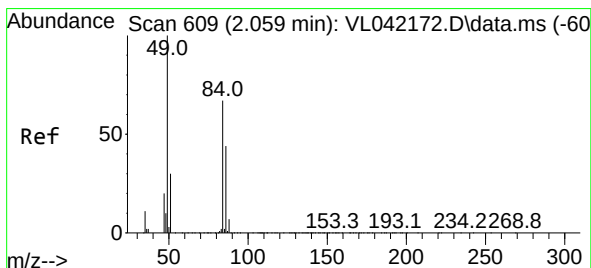
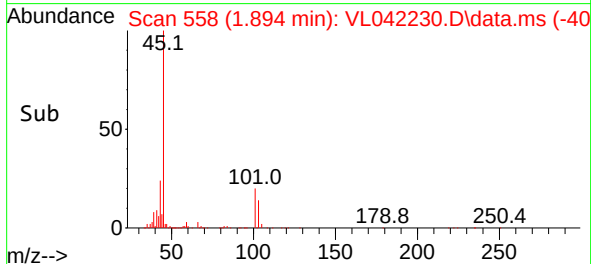
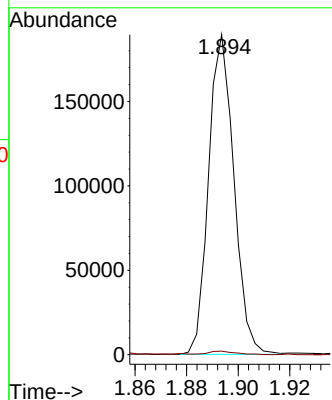
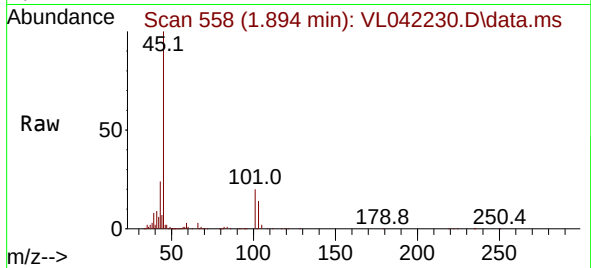
#19
Isopropyl Alcohol
Concen: 8.272 ppbv
RT: 1.894 min Scan# 511
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 45 Resp: 12913
Ion Ratio Lower Upper
45 100
58 47.5 36.9 55.3

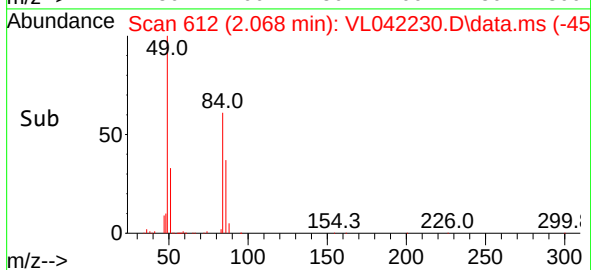
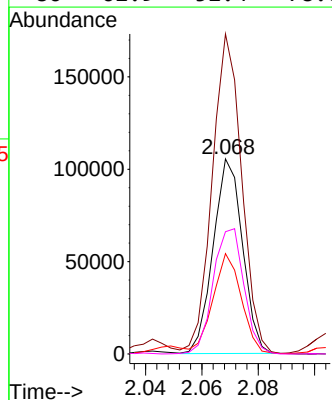
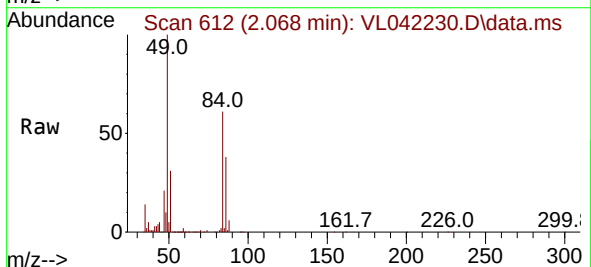
Manual Integrations
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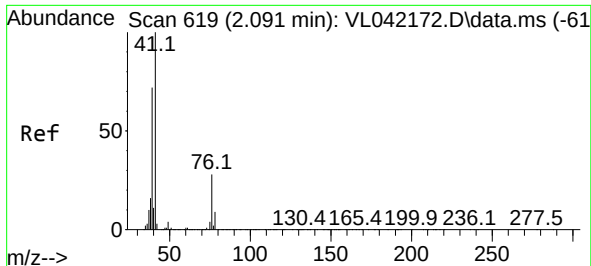
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#20
Methylene Chloride
Concen: 7.391 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

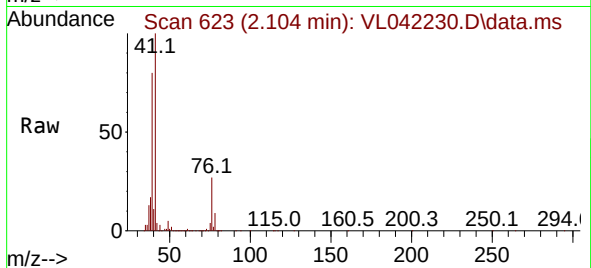
Tgt Ion: 84 Resp: 76153
Ion Ratio Lower Upper
84 100
49 164.4 120.2 180.4
51 51.4 37.4 56.0
86 62.9 52.4 78.6





#21
 Allyl Chloride
 Concen: 8.576 ppbv
 RT: 2.104 min Scan# 619
 Delta R.T. 0.013 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

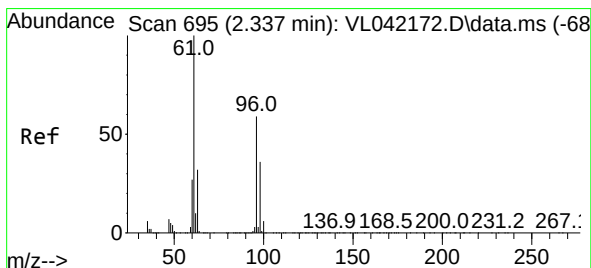
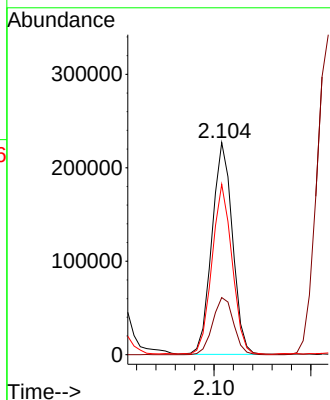
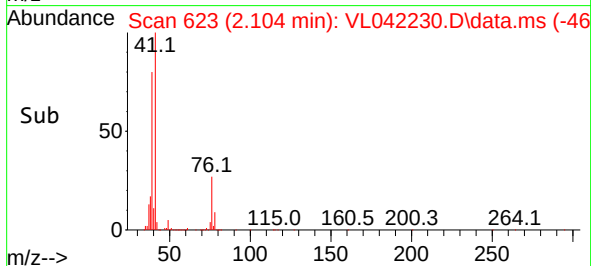
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01



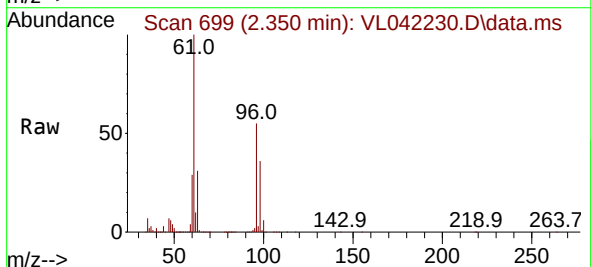
Tgt Ion: 41 Resp: 167334
 Ion Ratio Lower Upper
 41 100
 76 27.4 24.1 36.1
 39 77.4 61.1 91.7

Manual Integrations
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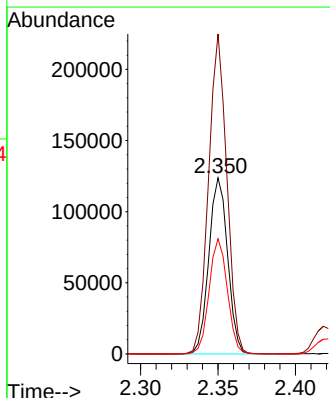
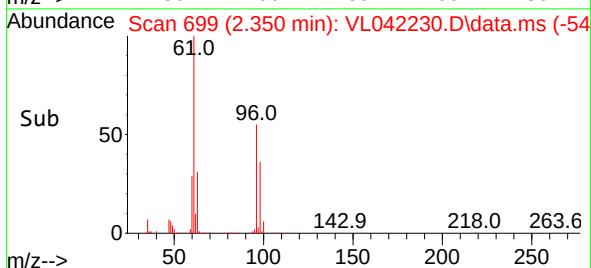
Reviewed By :Semsettin Yesilyurt 04/08/2025
 Supervised By :Mahesh Dadoda 04/09/2025

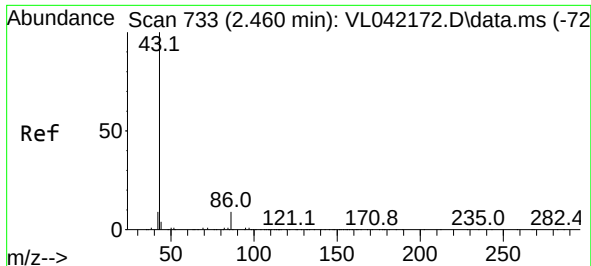


#22
 trans-1,2-Dichloroethene
 Concen: 8.275 ppbv
 RT: 2.350 min Scan# 699
 Delta R.T. 0.013 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09



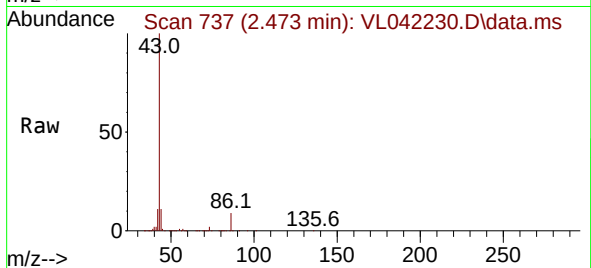
Tgt Ion: 96 Resp: 104449
 Ion Ratio Lower Upper
 96 100
 61 181.6 136.6 204.8
 98 65.4 49.4 74.2





#23
 Vinyl Acetate
 Concen: 8.050 ppbv
 RT: 2.473 min Scan# 710
 Delta R.T. 0.013 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

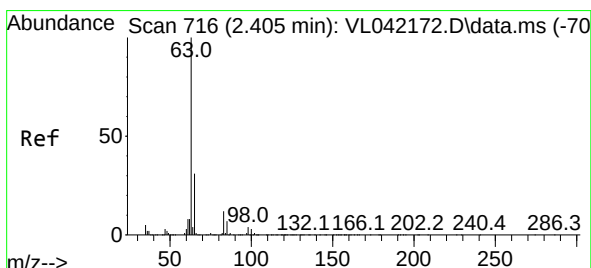
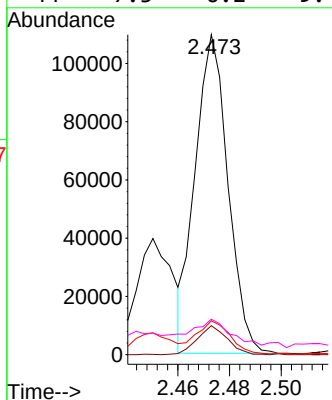
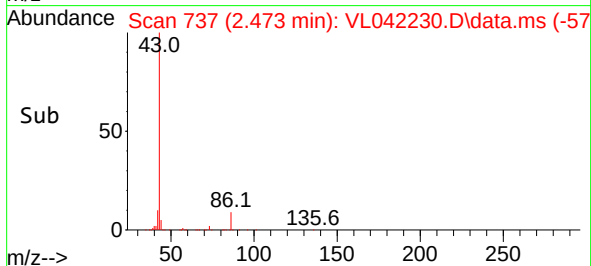
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01



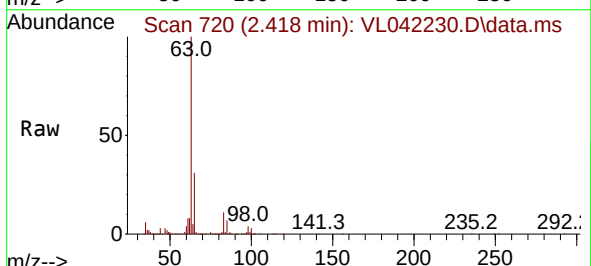
Tgt Ion: 43 Resp: 9639
 Ion Ratio Lower Upper
 43 100
 86 8.8 5.5 8.3
 42 10.3 8.6 13.0
 44 7.3 6.2 9.4

Manual Integrations
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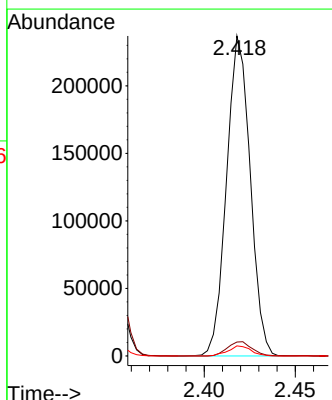
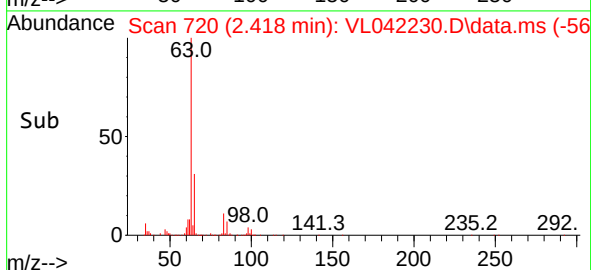
Reviewed By :Semsettin Yesilyurt 04/08/2025
 Supervised By :Mahesh Dadoda 04/09/2025

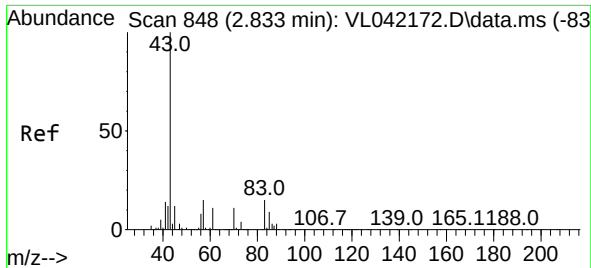


#24
 1,1-Dichloroethane
 Concen: 9.152 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.013 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09



Tgt Ion: 63 Resp: 214121
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.3 6.8
 100 3.2 1.6 4.7





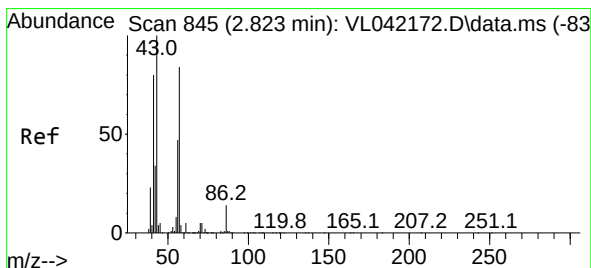
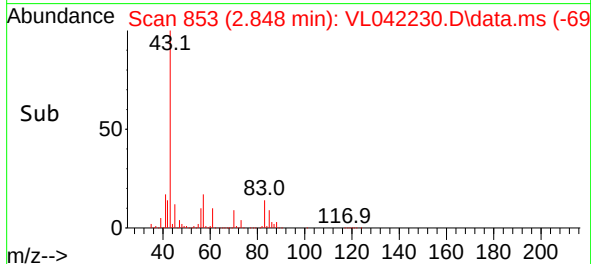
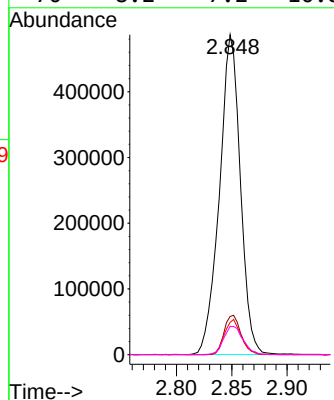
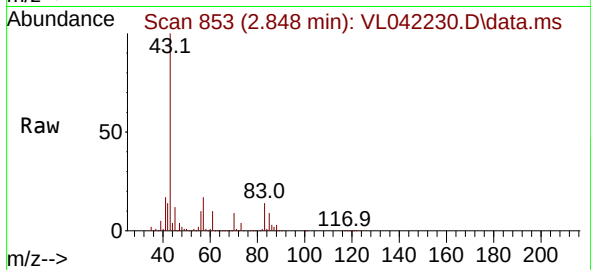
#25
Ethyl Acetate
Concen: 8.902 ppbv
RT: 2.848 min Scan# 848
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 43 Resp: 639210
Ion Ratio Lower Upper
43 100
45 10.1 8.2 12.2
61 8.9 7.3 10.9
70 8.2 7.2 10.8

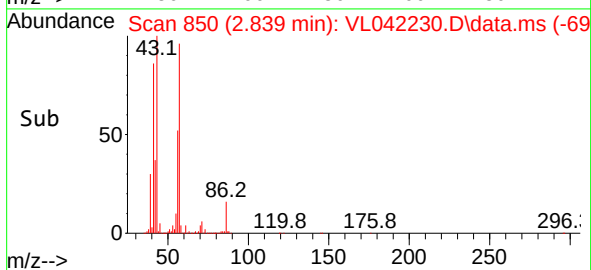
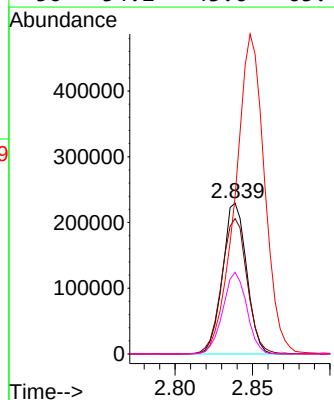
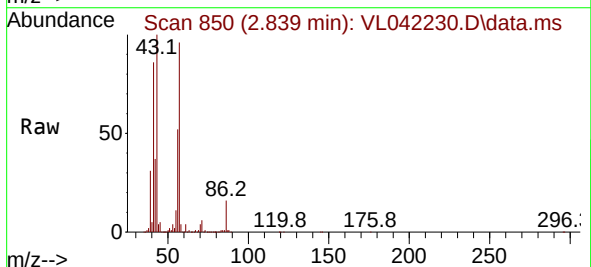
Manual Integrations
APPROVED

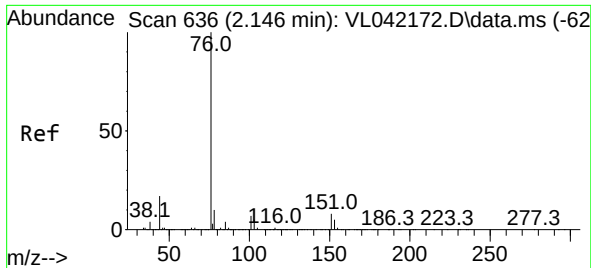
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#26
Hexane
Concen: 8.897 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

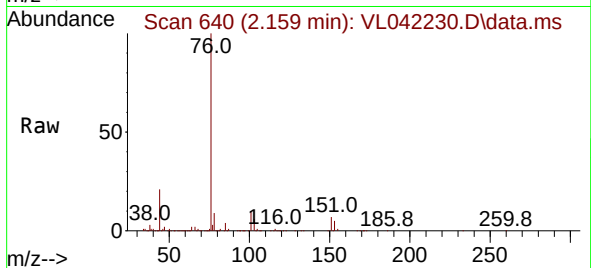
Tgt Ion: 57 Resp: 246755
Ion Ratio Lower Upper
57 100
41 96.1 76.6 114.8
43 259.7 207.8 311.8
56 54.2 43.6 65.4





#27
Carbon Disulfide
Concen: 8.689 ppbv
RT: 2.159 min Scan# 640
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

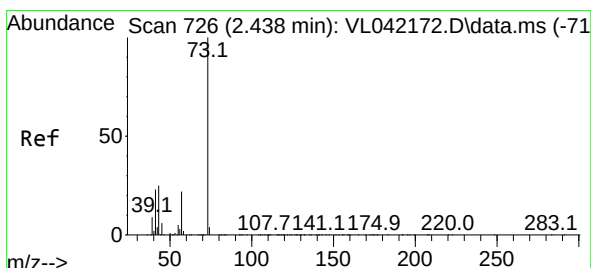
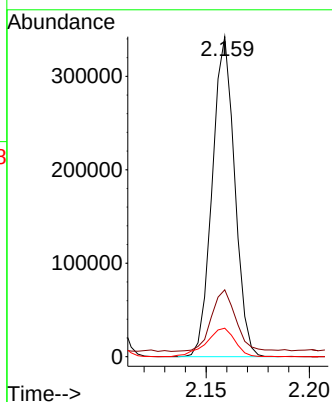
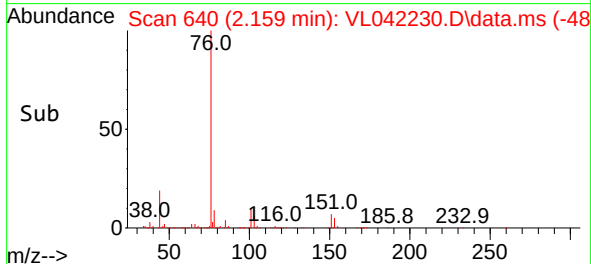
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01



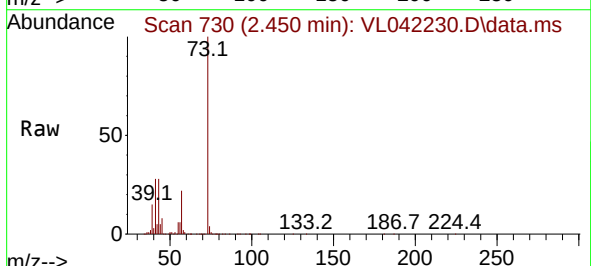
Tgt Ion: 76 Resp: 258412
Ion Ratio Lower Upper
76 100
44 20.9 14.7 22.1
78 11.5 9.3 13.9

Manual Integrations
APPROVED

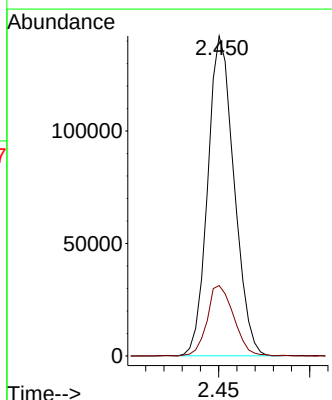
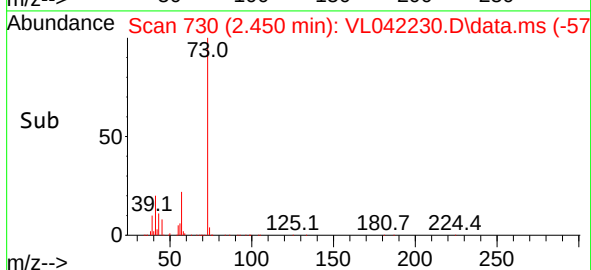
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

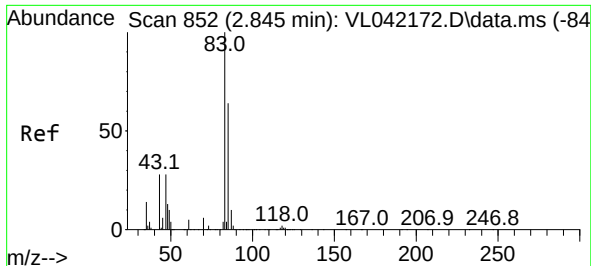


#28
Methyl tert-Butyl Ether
Concen: 8.259 ppbv
RT: 2.450 min Scan# 730
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09



Tgt Ion: 73 Resp: 142610
Ion Ratio Lower Upper
73 100
57 22.4 20.5 30.7





#29

Chloroform

Concen: 9.793 ppbv

RT: 2.861 min Scan# 8

Delta R.T. 0.016 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tgt Ion: 83 Resp: 39751

Ion Ratio Lower Upper

83 100

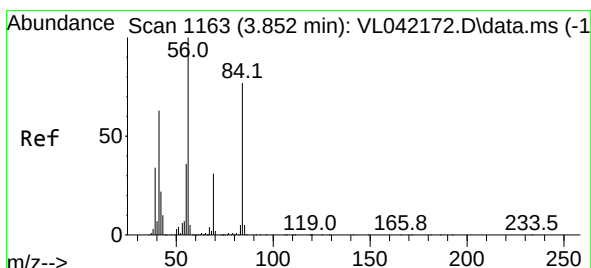
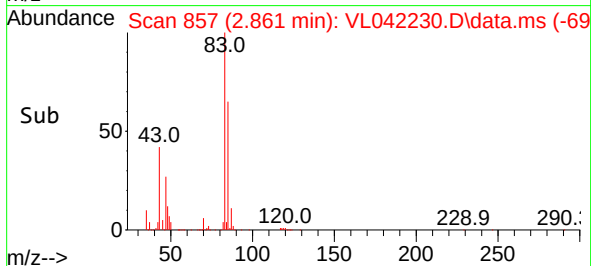
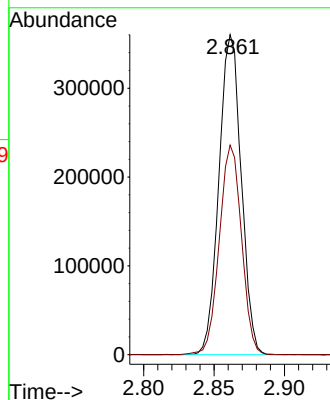
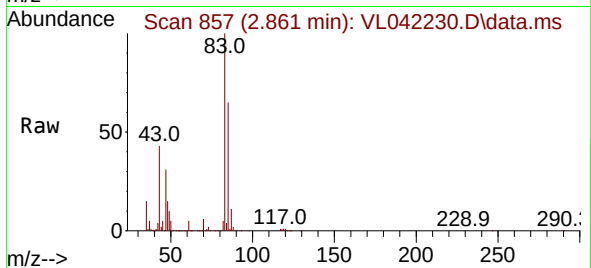
85 65.4 51.4 77.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025

Supervised By :Mahesh Dadoda 04/09/2025



#30

Cyclohexane

Concen: 8.451 ppbv

RT: 3.874 min Scan# 1170

Delta R.T. 0.022 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

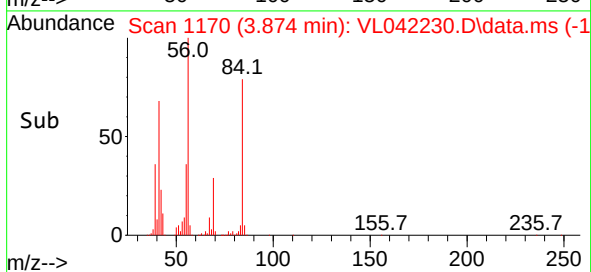
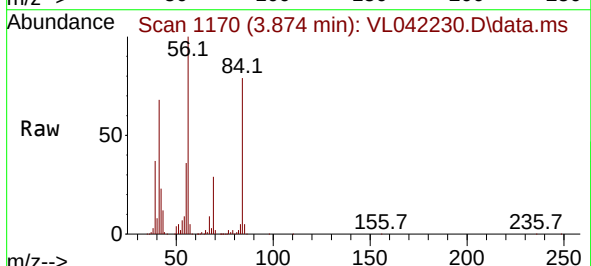
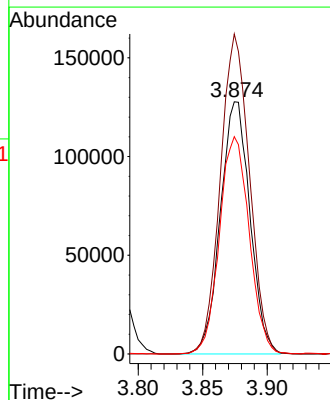
Tgt Ion: 84 Resp: 203521

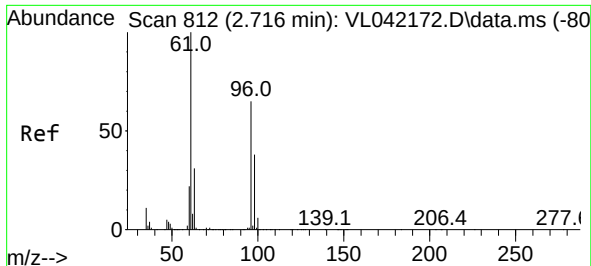
Ion Ratio Lower Upper

84 100

56 125.0 102.8 154.2

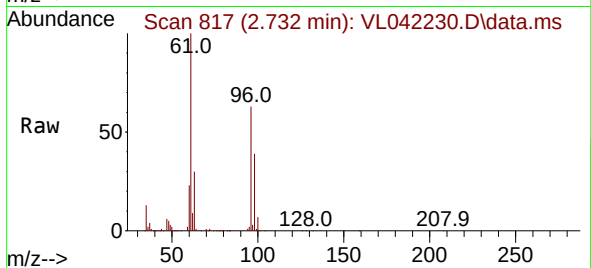
41 86.8 66.5 99.7





#31
 cis-1,2-Dichloroethene
 Concen: 8.864 ppbv
 RT: 2.732 min Scan# 81
 Delta R.T. 0.016 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

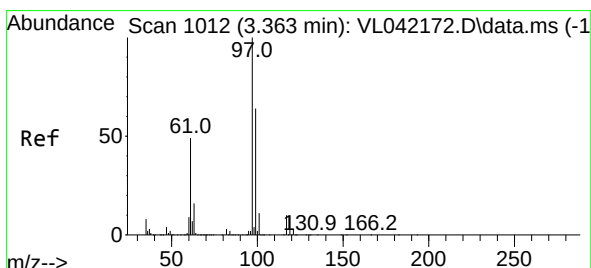
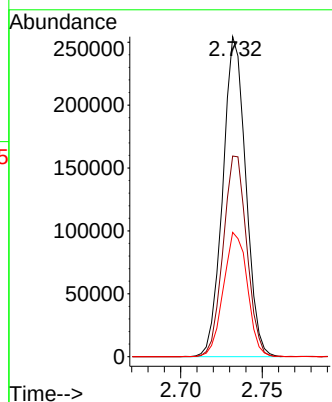
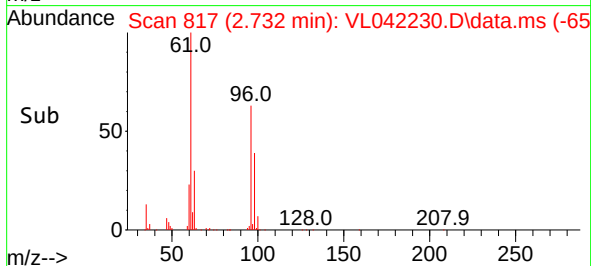
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01



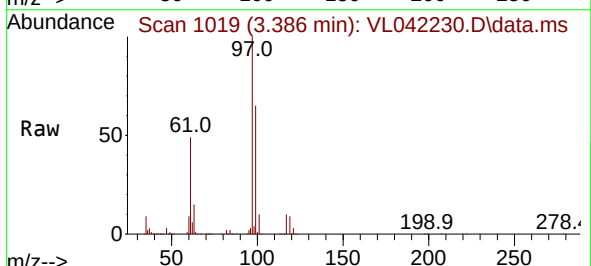
Tgt Ion: 61 Resp: 24959
 Ion Ratio Lower Upper
 61 100
 96 62.7 51.8 77.8
 98 38.8 30.6 46.0

Manual Integrations
 APPROVED

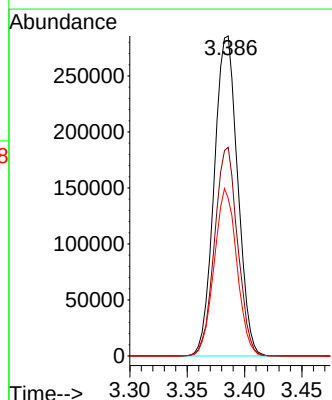
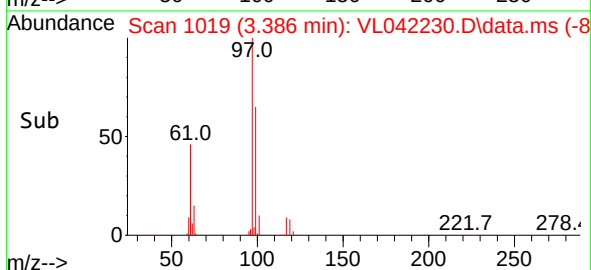
Reviewed By :Semsettin Yesilyurt 04/08/2025
 Supervised By :Mahesh Dadoda 04/09/2025

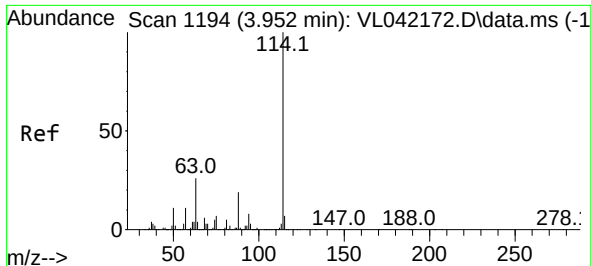


#32
 1,1,1-Trichloroethane
 Concen: 8.739 ppbv
 RT: 3.386 min Scan# 1019
 Delta R.T. 0.022 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09



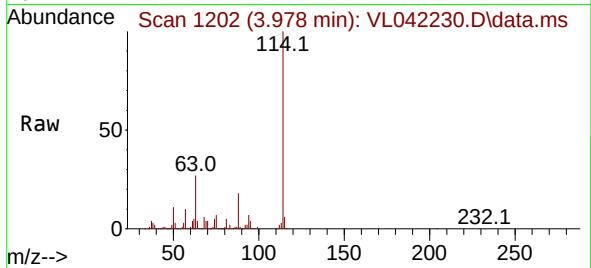
Tgt Ion: 97 Resp: 406124
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.5 77.3
 61 50.7 38.7 58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1194
Delta R.T. 0.026 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

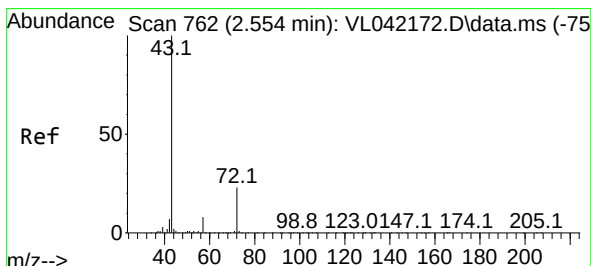
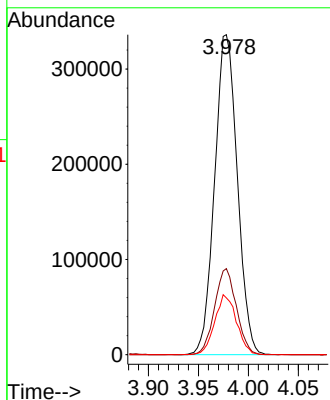
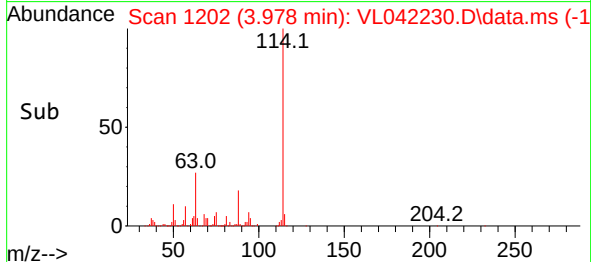
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01



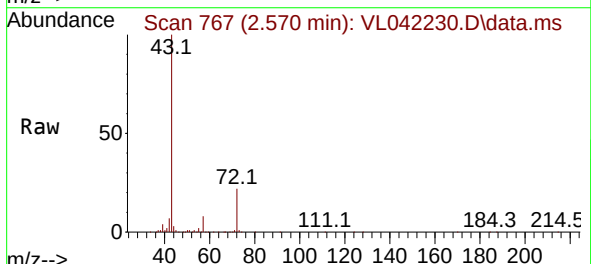
Tgt Ion:114 Resp: 53134
Ion Ratio Lower Upper
114 100
63 25.9 20.7 31.1
88 18.0 15.0 22.4

Manual Integrations
APPROVED

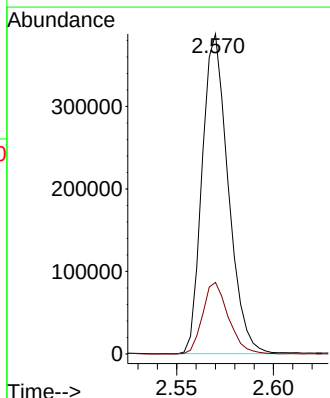
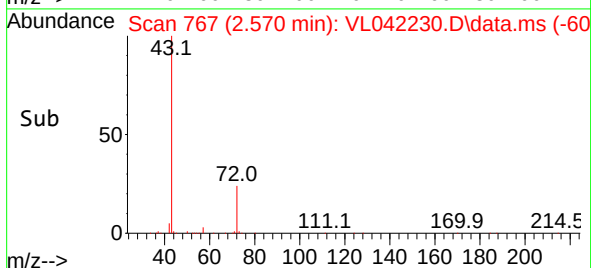
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

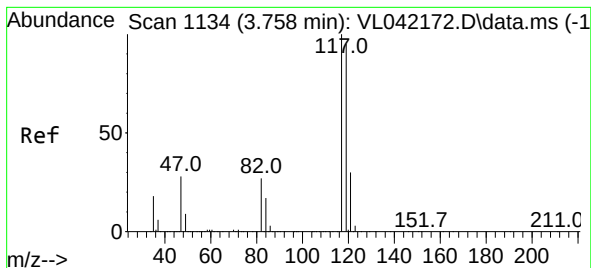


#34
2-Butanone
Concen: 9.420 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09



Tgt Ion: 43 Resp: 362939
Ion Ratio Lower Upper
43 100
72 22.3 18.2 27.2





#35

Carbon Tetrachloride

Concen: 10.079 ppbv

RT: 3.781 min Scan# 1134

Delta R.T. 0.022 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

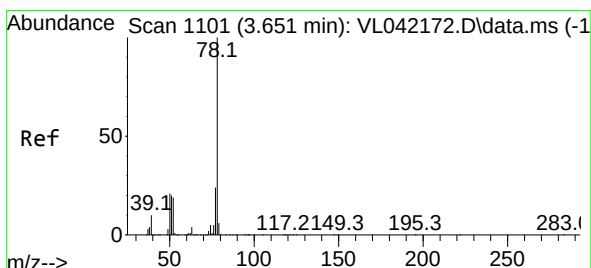
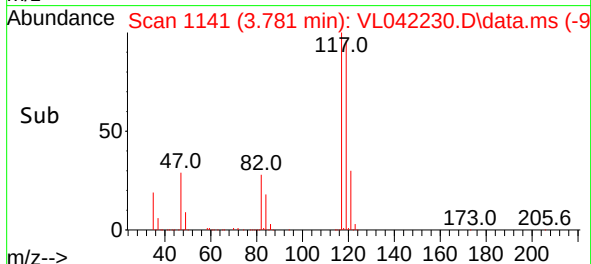
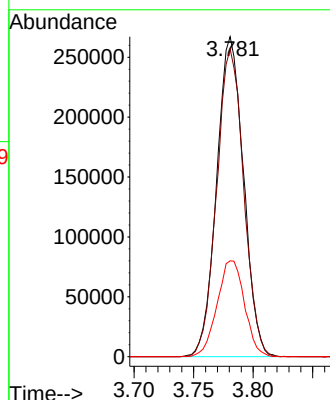
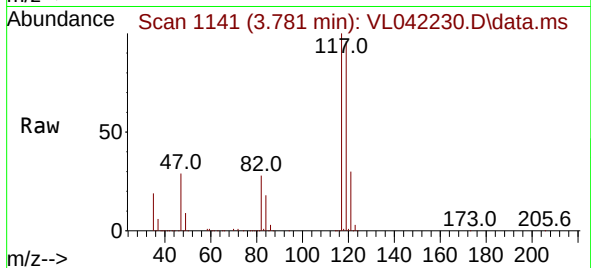
Tgt Ion:117 Resp: 41836

Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.2	114.2
121	29.9	24.2	36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#36

Benzene

Concen: 9.382 ppbv

RT: 3.674 min Scan# 1108

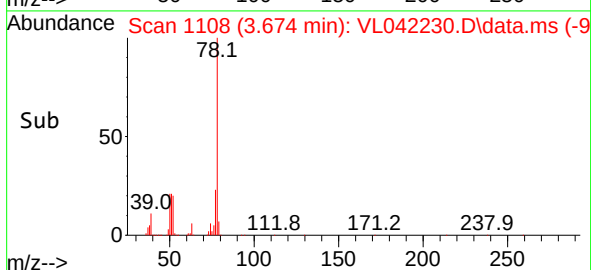
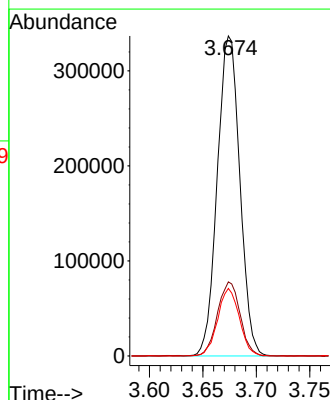
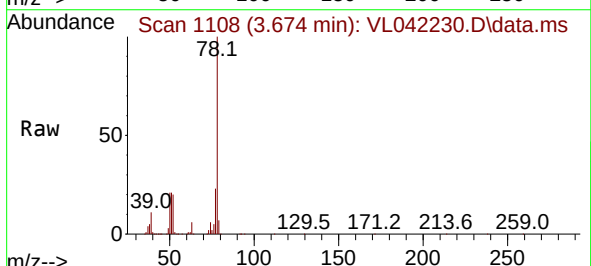
Delta R.T. 0.022 min

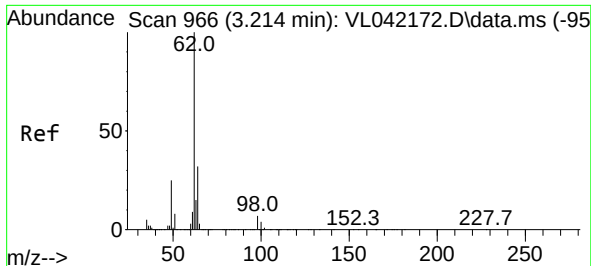
Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Tgt Ion: 78 Resp: 494216

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7
50	21.1	16.6	24.8





#37

1,2-Dichloroethane

Concen: 10.424 ppbv

RT: 3.234 min Scan# 91

Delta R.T. 0.019 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tgt Ion: 62 Resp: 31437

Ion Ratio Lower Upper

62 100

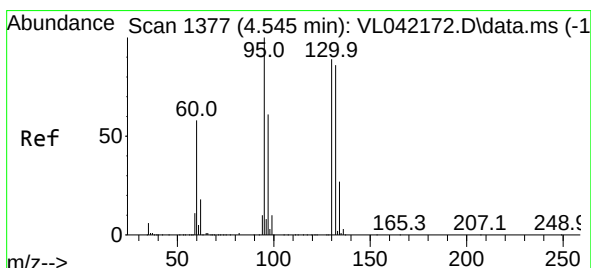
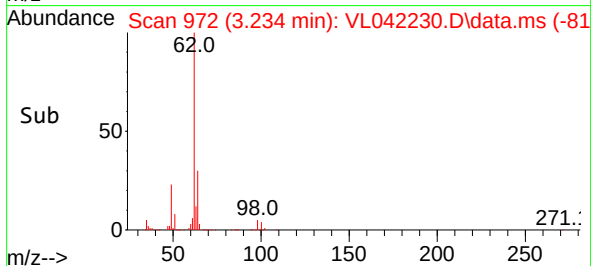
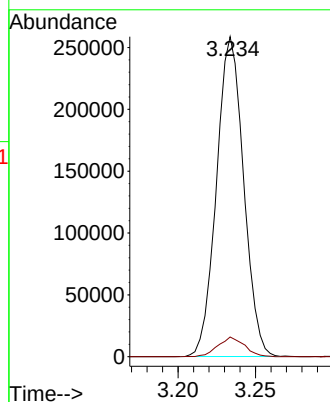
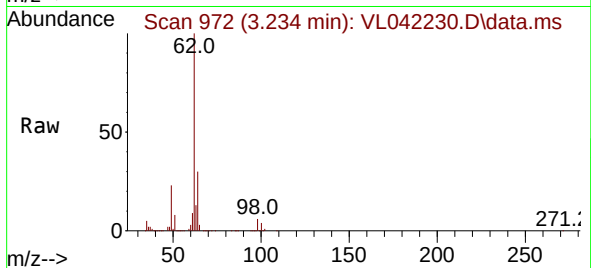
98 6.0 5.4 8.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025

Supervised By :Mahesh Dadoda 04/09/2025



#38

Trichloroethene

Concen: 9.217 ppbv

RT: 4.570 min Scan# 1385

Delta R.T. 0.026 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Tgt Ion:130 Resp: 202575

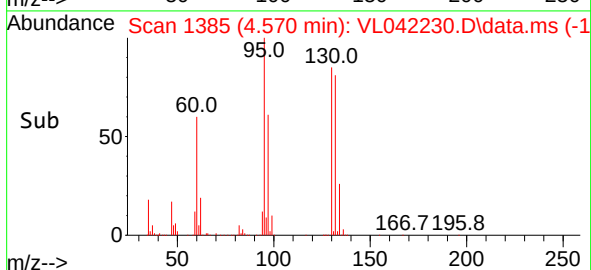
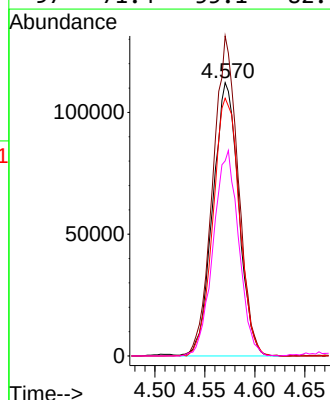
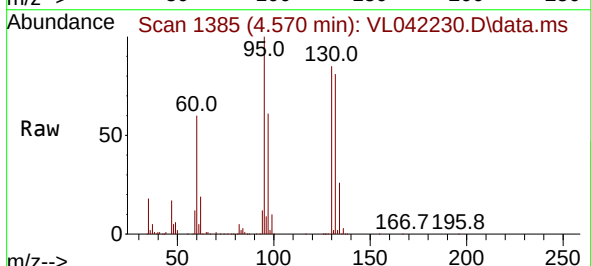
Ion Ratio Lower Upper

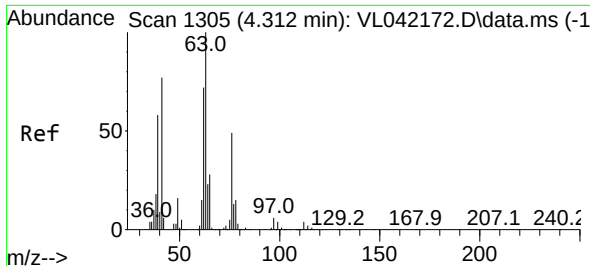
130 100

95 117.1 89.8 134.8

132 94.3 77.4 116.2

97 71.4 55.1 82.7





#39

1,2-Dichloropropane

Concen: 9.356 ppbv

RT: 4.334 min Scan# 1312

Delta R.T. 0.022 min

Lab File: VL042230.D

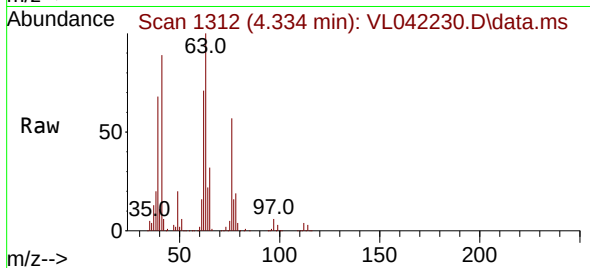
Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01



Tgt Ion: 63 Resp: 17948

Ion Ratio Lower Upper

63 100

41 89.1 61.7 92.5

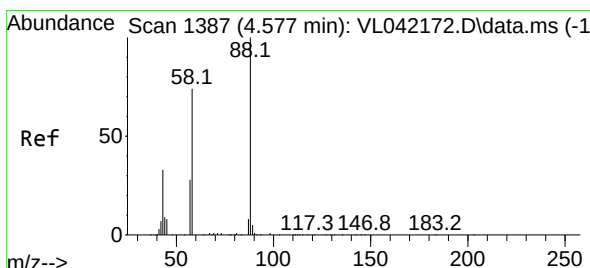
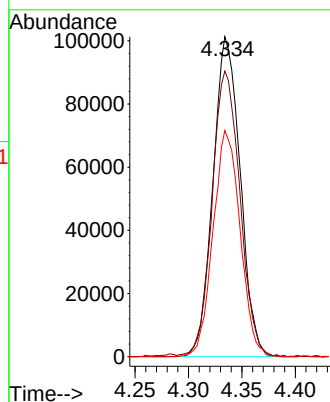
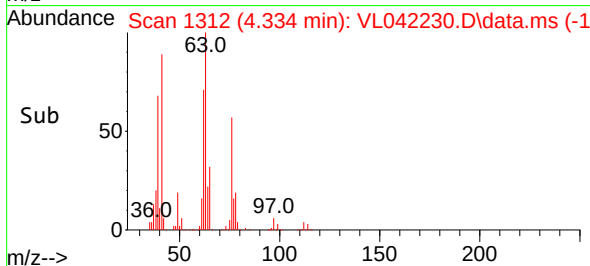
62 70.5 57.6 86.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025

Supervised By :Mahesh Dadoda 04/09/2025



#40

1,4-Dioxane

Concen: 8.358 ppbv

RT: 4.606 min Scan# 1396

Delta R.T. 0.029 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Tgt Ion: 88 Resp: 85103

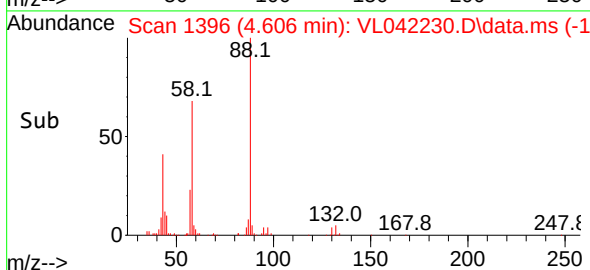
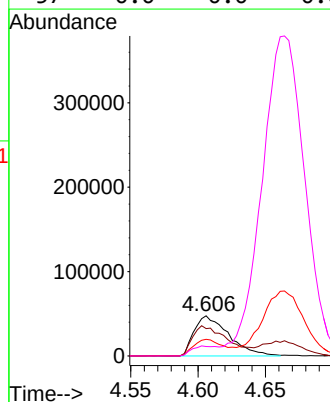
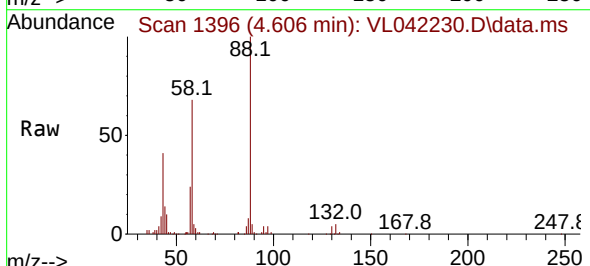
Ion Ratio Lower Upper

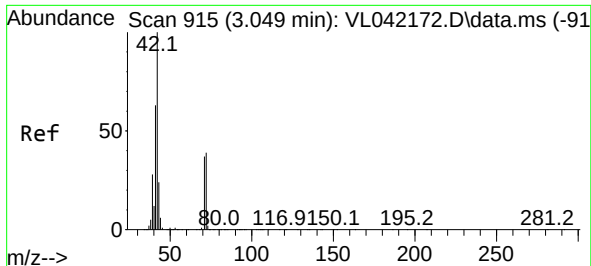
88 100

58 75.6 62.7 94.1

43 37.4 23.0 34.4#

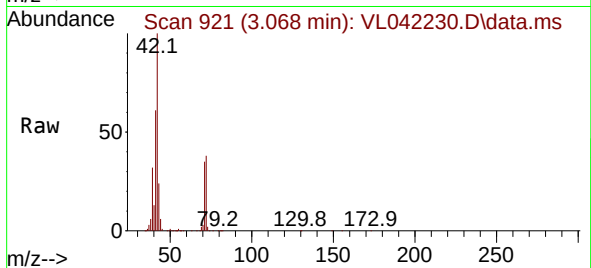
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 9.071 ppbv
RT: 3.068 min Scan# 915
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

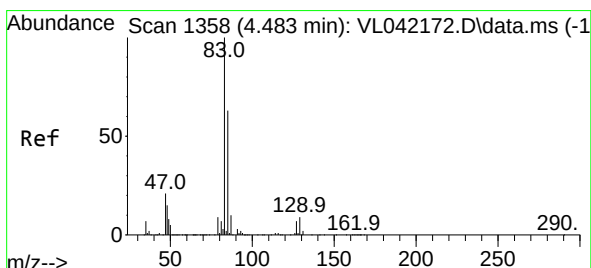
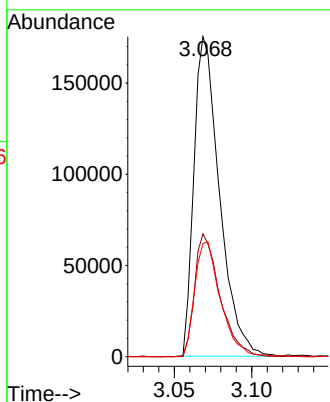
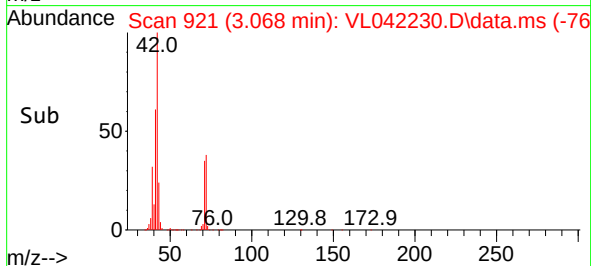
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01



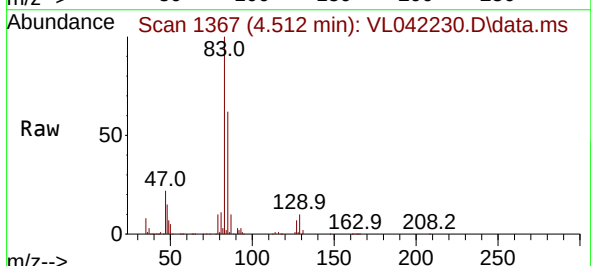
Tgt Ion: 42 Resp: 201260
Ion Ratio Lower Upper
42 100
72 37.8 31.4 47.0
71 36.3 30.2 45.4

Manual Integrations
APPROVED

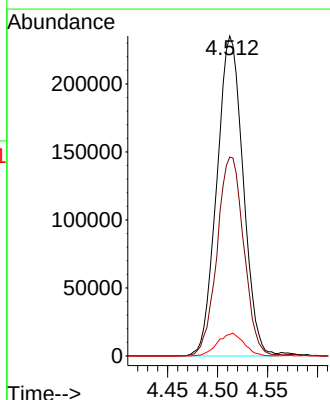
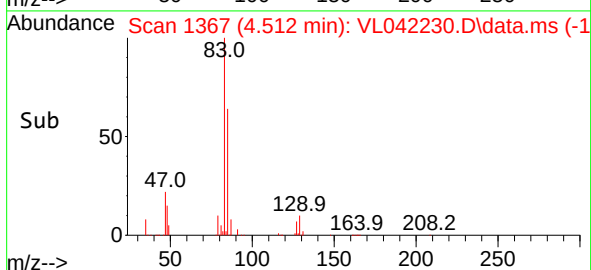
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

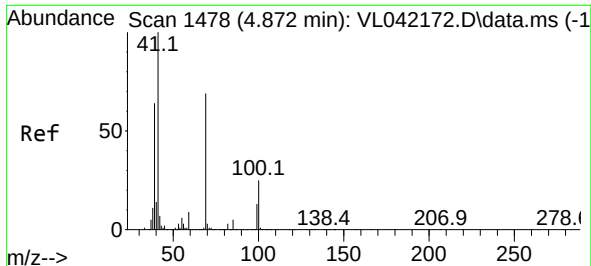


#42
Bromodichloromethane
Concen: 10.361 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. 0.029 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09



Tgt Ion: 83 Resp: 430763
Ion Ratio Lower Upper
83 100
85 62.1 50.5 75.7
127 6.7 5.9 8.9





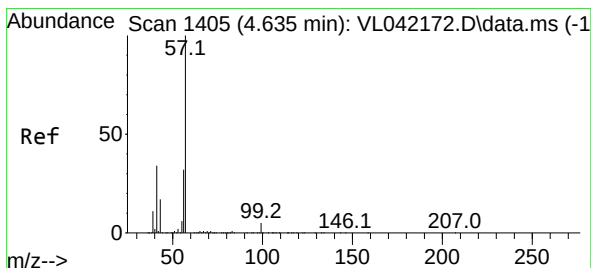
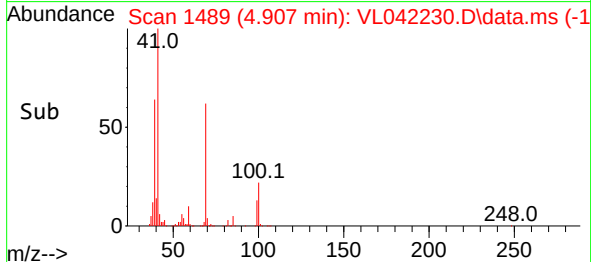
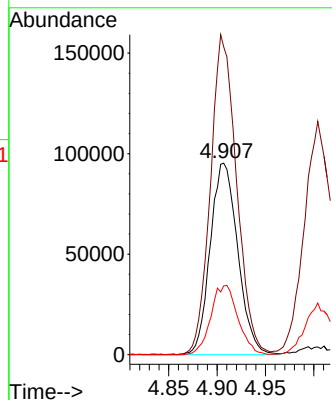
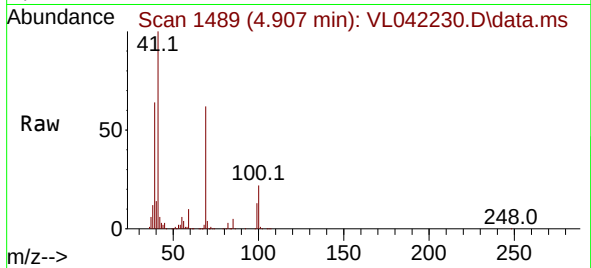
#43
Methyl Methacrylate
Concen: 8.470 ppbv
RT: 4.907 min Scan# 1414
Delta R.T. 0.035 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 69 Resp: 188872
Ion Ratio Lower Upper
69 100
41 158.5 123.8 185.6
100 35.6 28.4 42.6

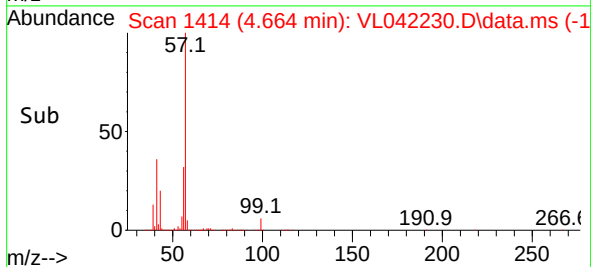
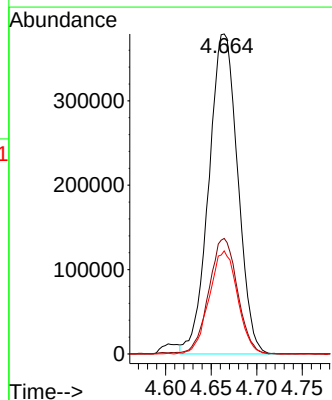
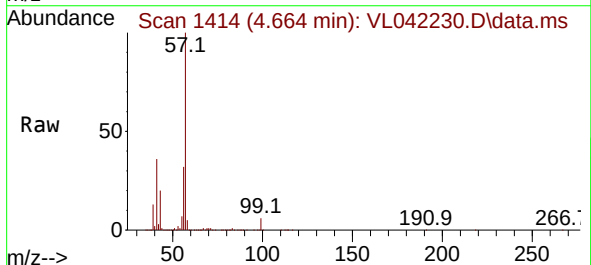
Manual Integrations
APPROVED

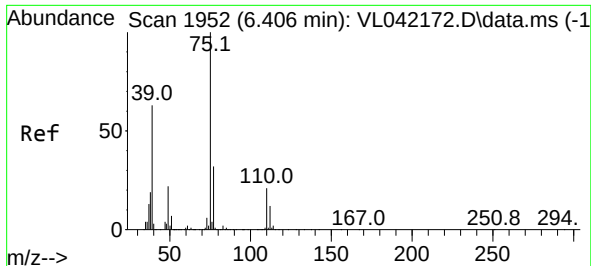
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#44
2,2,4-Trimethylpentane
Concen: 9.414 ppbv
RT: 4.664 min Scan# 1414
Delta R.T. 0.029 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 57 Resp: 838005
Ion Ratio Lower Upper
57 100
41 36.2 26.8 40.2
56 31.7 25.6 38.4





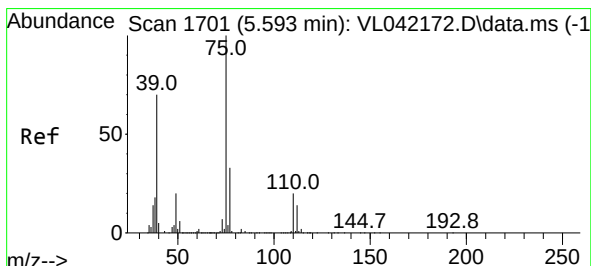
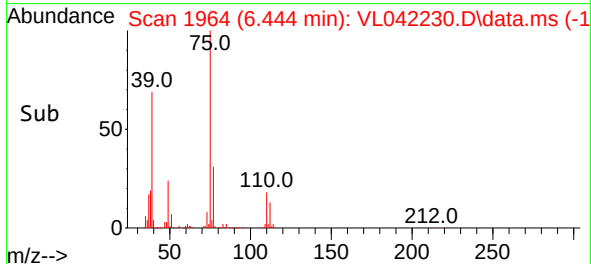
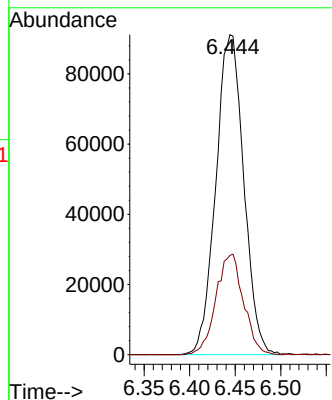
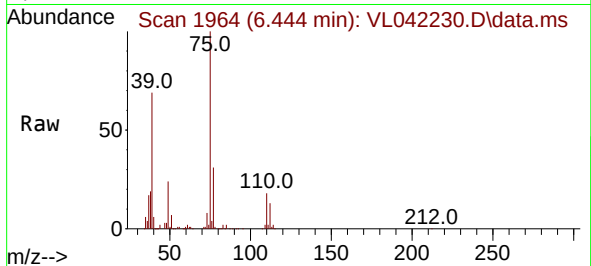
#45
 t-1,3-Dichloropropene
 Concen: 8.130 ppbv
 RT: 6.444 min Scan# 1952
 Delta R.T. 0.039 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tgt Ion: 75 Resp: 19450
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.0 39.0

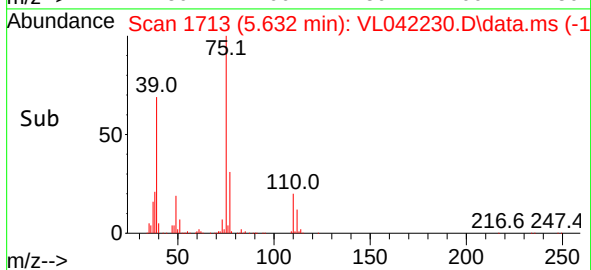
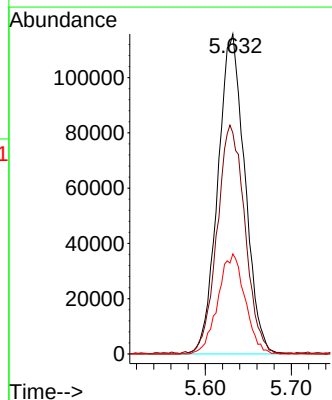
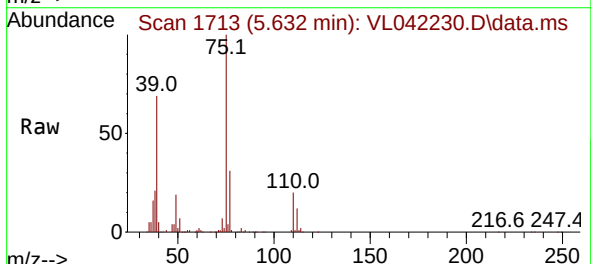
Manual Integrations
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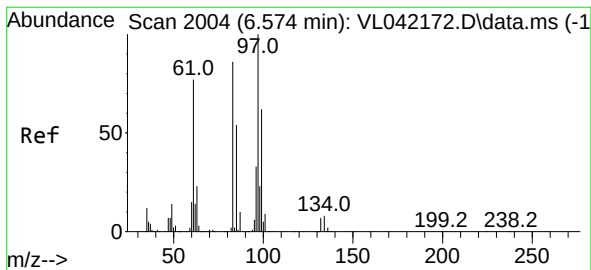
Reviewed By :Semsettin Yesilyurt 04/08/2025
 Supervised By :Mahesh Dadoda 04/09/2025



#46
 cis-1,3-Dichloropropene
 Concen: 8.601 ppbv
 RT: 5.632 min Scan# 1713
 Delta R.T. 0.039 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

Tgt Ion: 75 Resp: 252229
 Ion Ratio Lower Upper
 75 100
 39 69.0 55.8 83.6
 77 31.3 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 9.959 ppbv

RT: 6.606 min Scan# 2004

Delta R.T. 0.032 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tgt Ion: 97 Resp: 201960

Ion Ratio Lower Upper

97 100

83 79.2 69.2 103.8

85 56.5 43.1 64.7

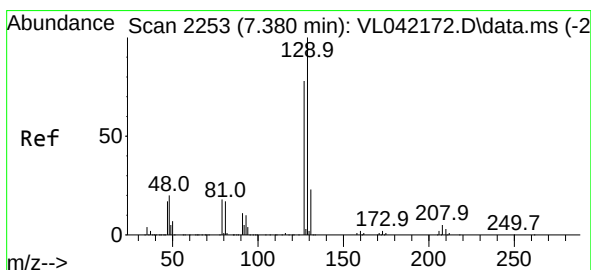
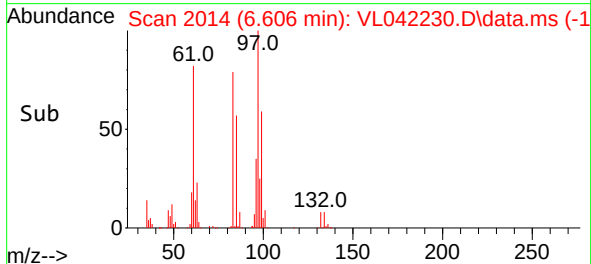
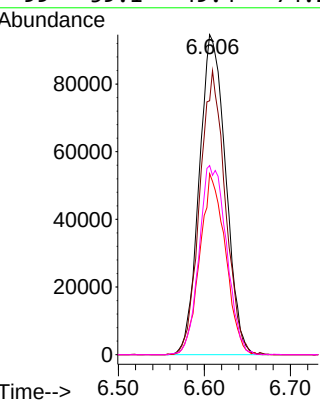
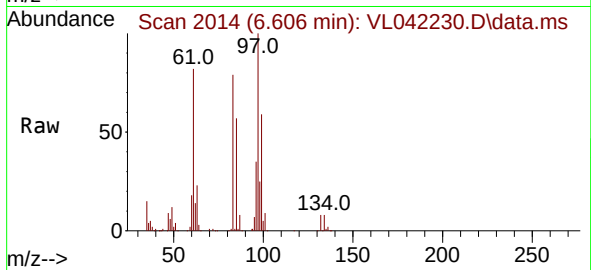
99 59.1 49.4 74.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/08/2025

Supervised By :Mahesh Dadoda 04/09/2025



#48

Dibromochloromethane

Concen: 10.007 ppbv

RT: 7.412 min Scan# 2263

Delta R.T. 0.032 min

Lab File: VL042230.D

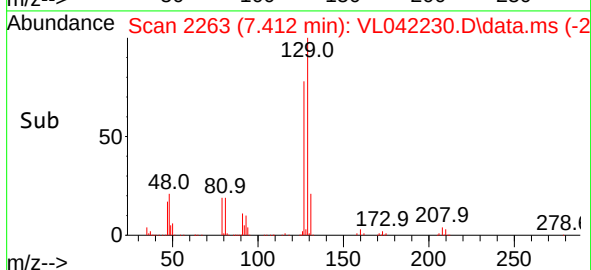
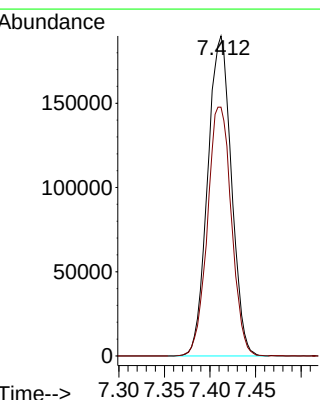
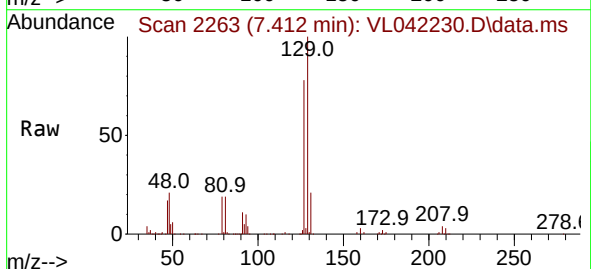
Acq: 07 Apr 2025 11:09

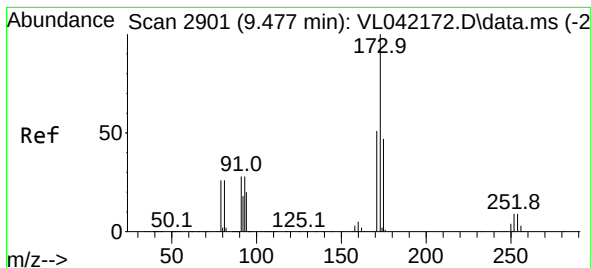
Tgt Ion:129 Resp: 343914

Ion Ratio Lower Upper

129 100

127 78.6 39.1 117.2





#49

Bromoform

Concen: 9.817 ppbv

RT: 9.500 min Scan# 2901

Delta R.T. 0.022 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

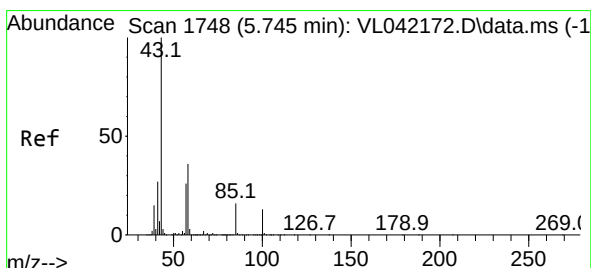
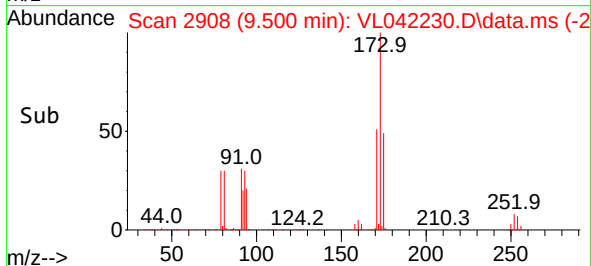
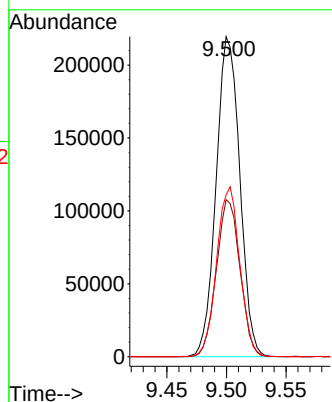
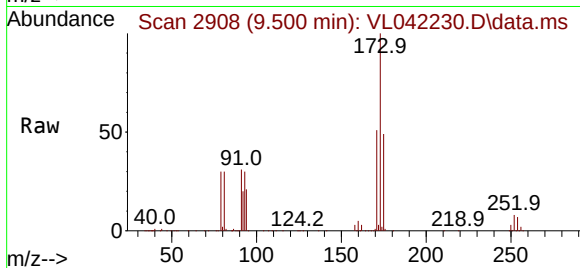
VL0407ABS01

Tgt Ion:173 Resp: 302914
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.6 57.8
 171 52.0 41.8 62.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/08/2025
 Supervised By :Mahesh Dadoda 04/09/2025



#50

4-Methyl-2-Pentanone

Concen: 8.368 ppbv

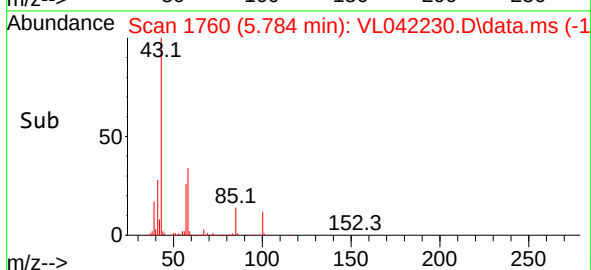
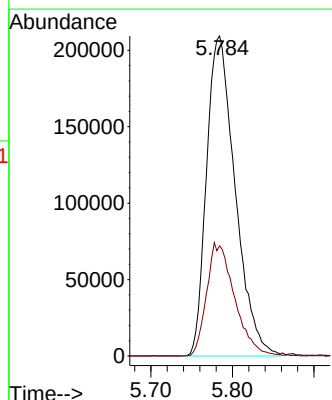
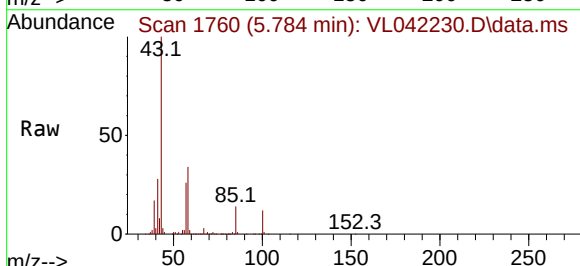
RT: 5.784 min Scan# 1760

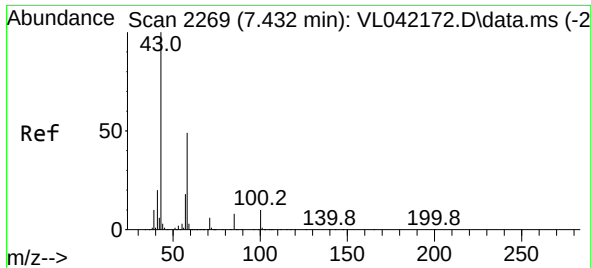
Delta R.T. 0.039 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

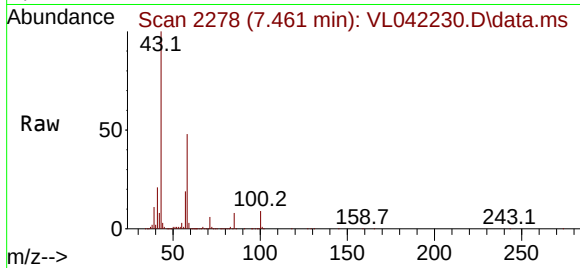
Tgt Ion: 43 Resp: 510960
 Ion Ratio Lower Upper
 43 100
 58 34.6 29.0 43.6





#51
2-Hexanone
Concen: 8.294 ppbv
RT: 7.461 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

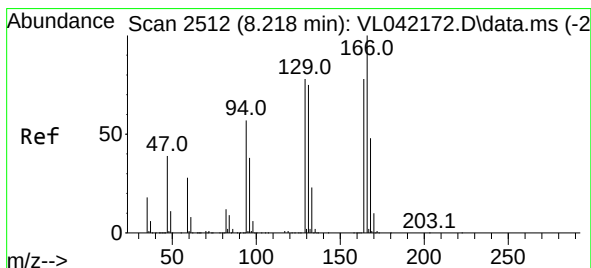
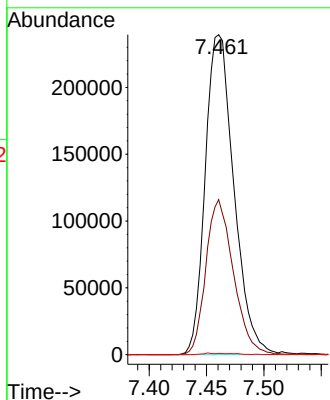
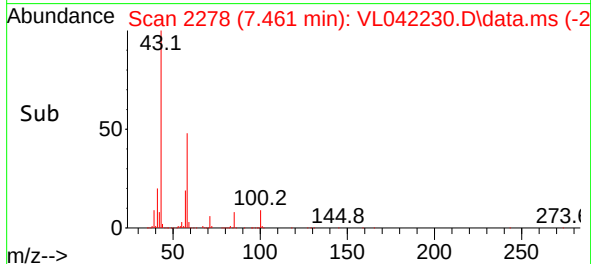
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01



Tgt Ion: 43 Resp: 41585
Ion Ratio Lower Upper
43 100
58 46.8 39.7 59.5
98 0.6 0.1 0.1

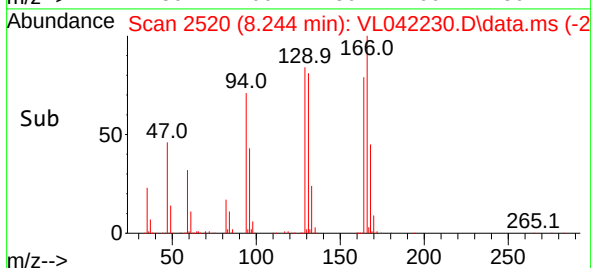
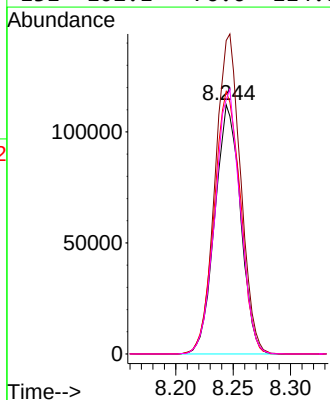
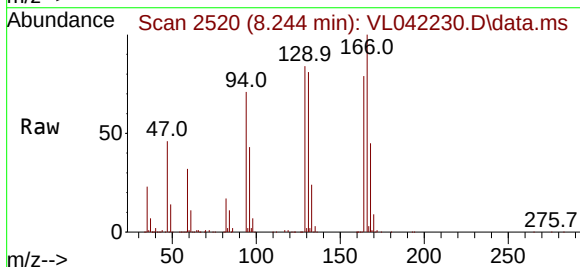
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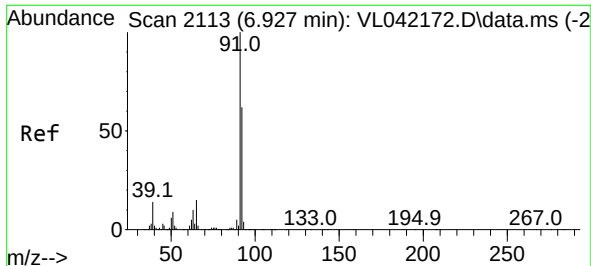
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#52
Tetrachloroethene
Concen: 8.359 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.026 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:164 Resp: 174622
Ion Ratio Lower Upper
164 100
166 125.9 102.5 153.7
129 105.3 79.8 119.8
131 102.1 76.6 114.8





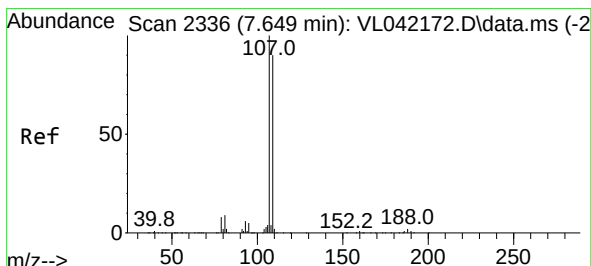
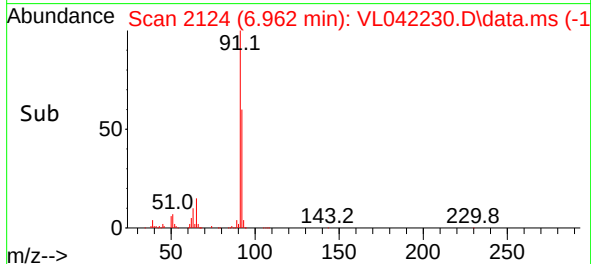
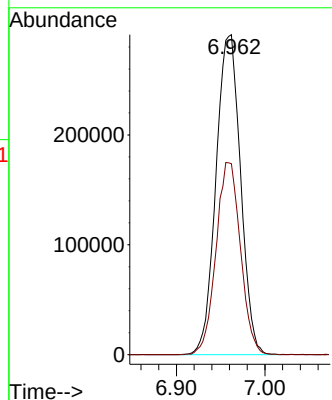
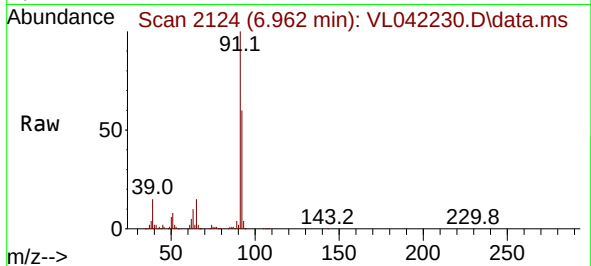
#53
Toluene
Concen: 9.007 ppbv
RT: 6.962 min Scan# 2113
Delta R.T. 0.035 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 91 Resp: 562424
Ion Ratio Lower Upper
91 100
92 59.9 48.4 72.6

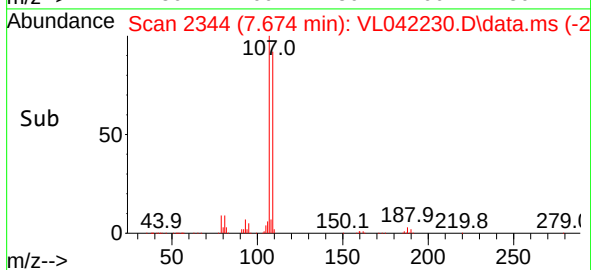
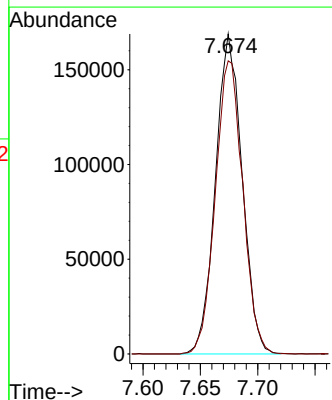
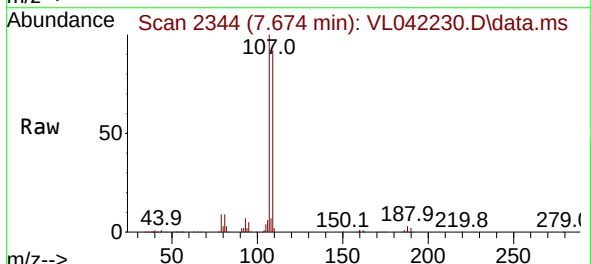
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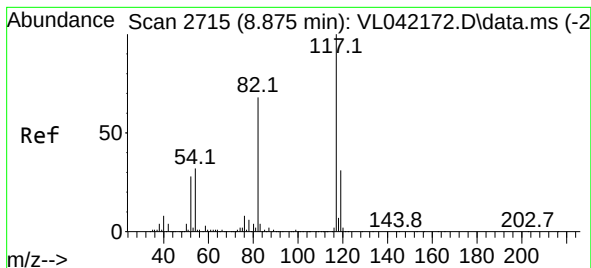
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#54
1,2-Dibromoethane
Concen: 9.646 ppbv
RT: 7.674 min Scan# 2344
Delta R.T. 0.026 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:107 Resp: 272683
Ion Ratio Lower Upper
107 100
109 91.6 72.2 108.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.901 min Scan# 2715

Delta R.T. 0.026 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

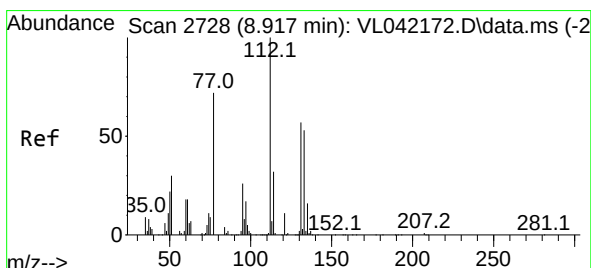
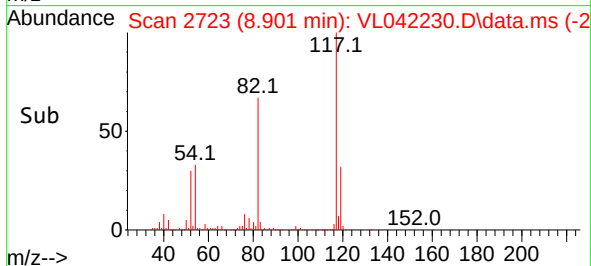
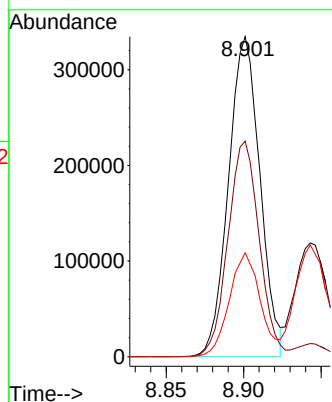
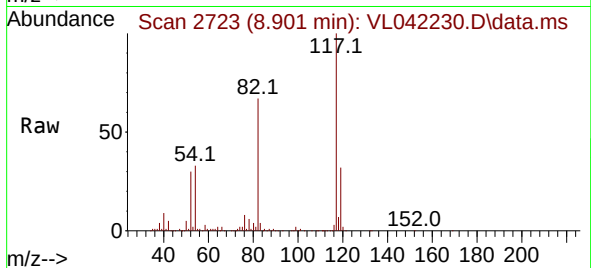
VL0407ABS01

Tgt Ion:	117	Resp:	47398
Ion Ratio	Lower	Upper	
117	100		
82	70.8	55.8	83.6
119	32.2	25.5	38.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 10.608 ppbv

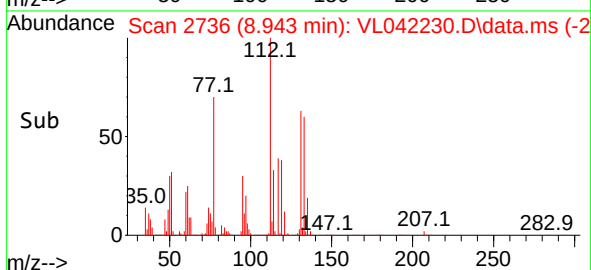
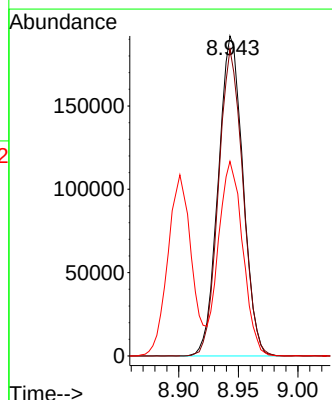
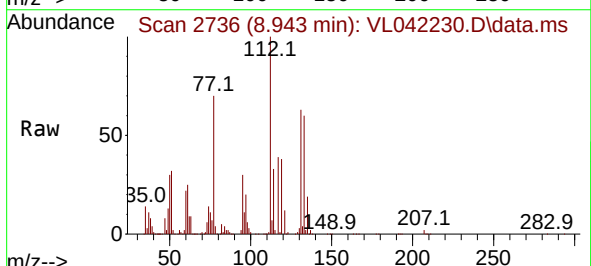
RT: 8.943 min Scan# 2736

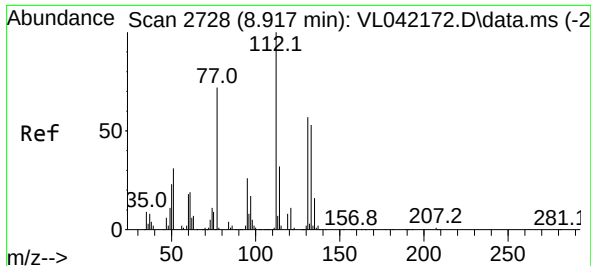
Delta R.T. 0.026 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

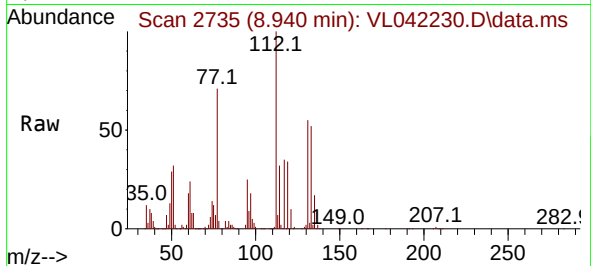
Tgt Ion:	131	Resp:	276768
Ion Ratio	Lower	Upper	
131	100		
133	94.4	76.6	114.8
119	62.0	49.8	74.6





#57
Chlorobenzene
Concen: 10.204 ppbv
RT: 8.940 min Scan# 21
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

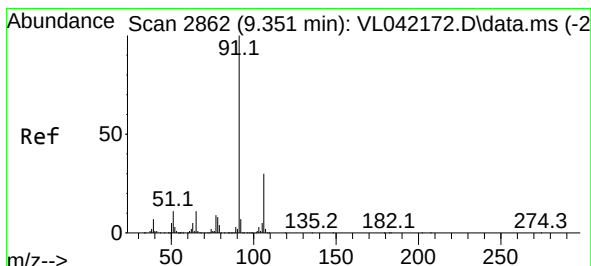
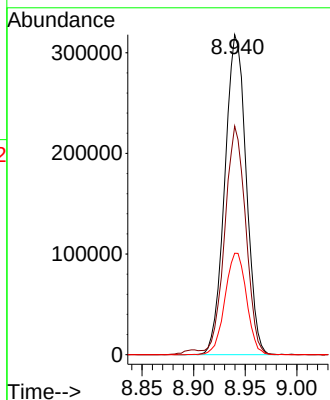
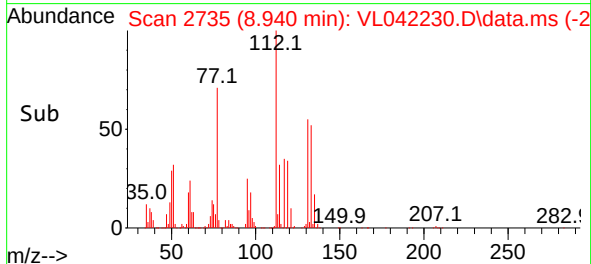
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01



Tgt Ion:112 Resp: 458748
Ion Ratio Lower Upper
112 100
77 71.4 58.2 87.2
114 31.7 29.1 35.5

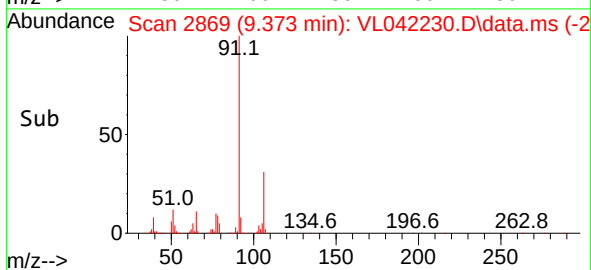
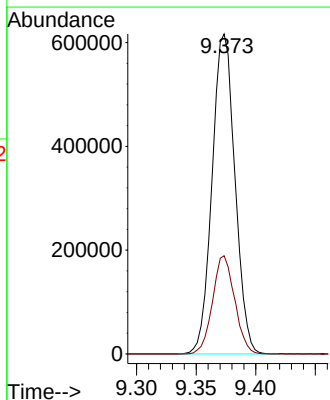
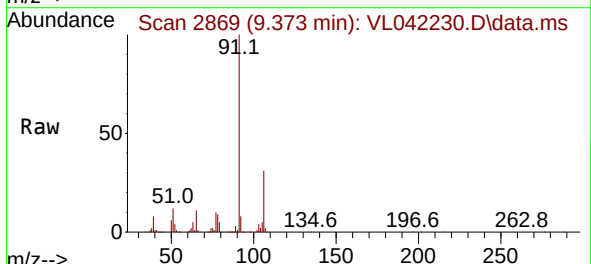
Manual Integrations
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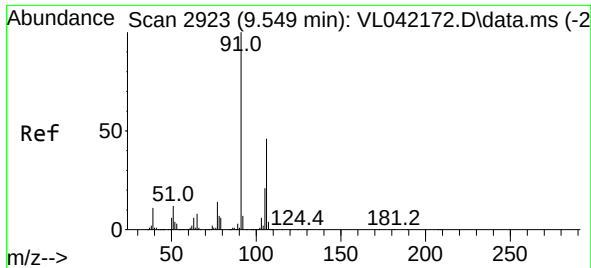
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#58
Ethyl Benzene
Concen: 9.754 ppbv
RT: 9.373 min Scan# 2869
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

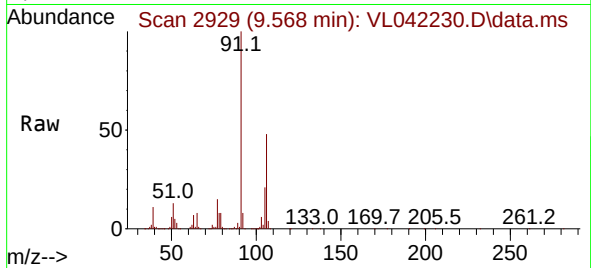
Tgt Ion: 91 Resp: 821248
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.2





#59
m/p-Xylene
Concen: 20.379 ppbv m
RT: 9.568 min Scan# 2929
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

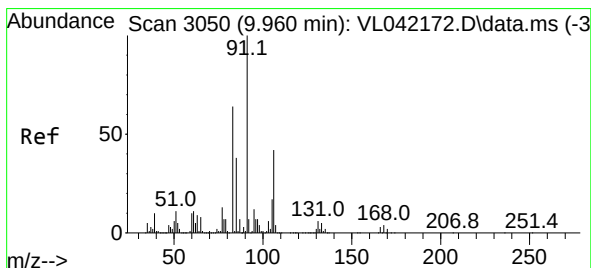
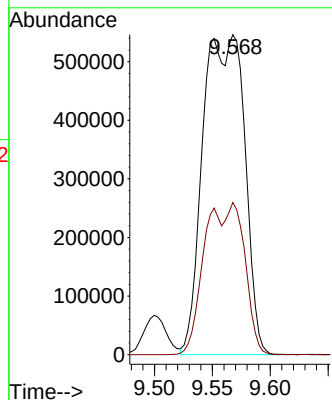
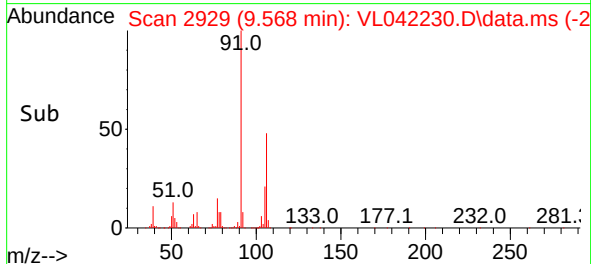
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01



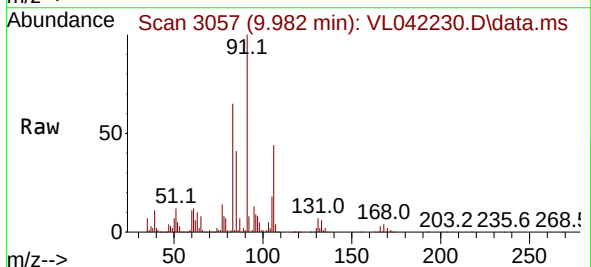
Tgt Ion: 91 Resp: 137003
Ion Ratio Lower Upper
91 100
106 45.8 36.4 54.6

Manual Integrations
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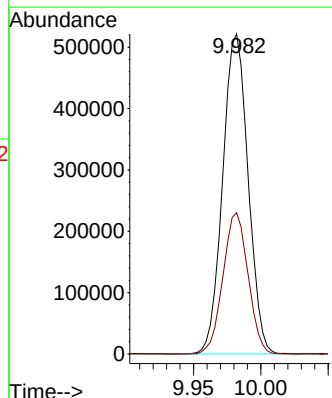
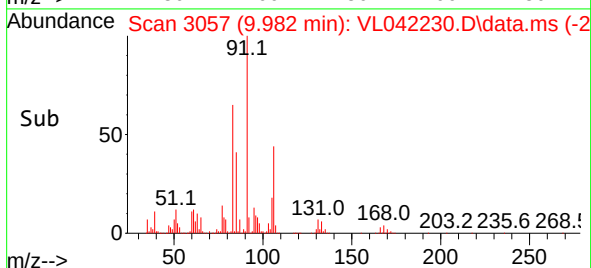
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

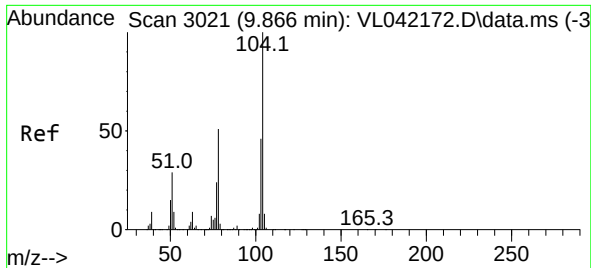


#60
o-Xylene
Concen: 10.160 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09



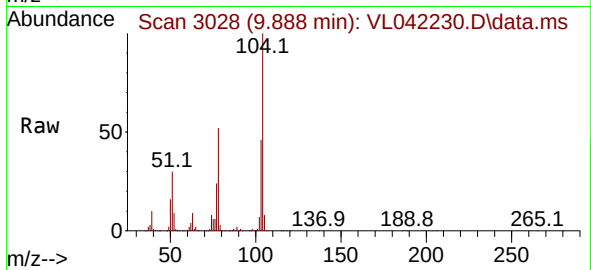
Tgt Ion: 91 Resp: 684704
Ion Ratio Lower Upper
91 100
106 43.6 20.8 62.5





#61
Styrene
Concen: 9.564 ppbv
RT: 9.888 min Scan# 3021
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

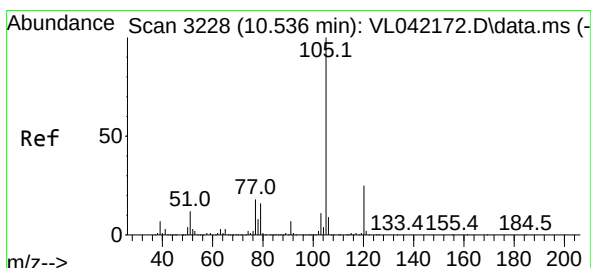
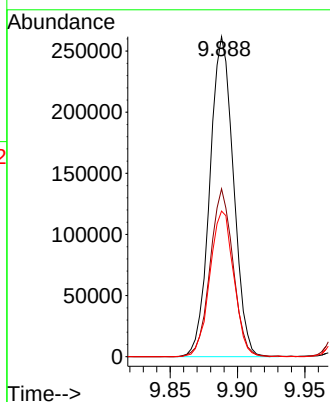
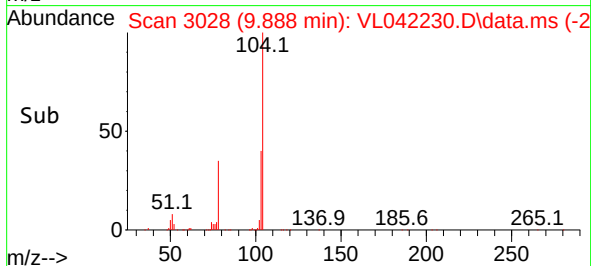
Instrument : MSVOA_L
ClientSampleId : VL0407ABS01



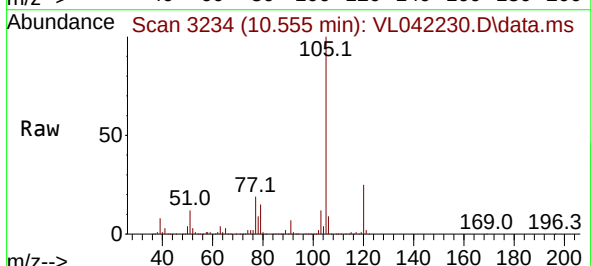
Tgt Ion:104 Resp: 318889
Ion Ratio Lower Upper
104 100
78 51.1 41.8 62.6
103 46.2 37.0 55.4

Manual Integrations
APPROVED

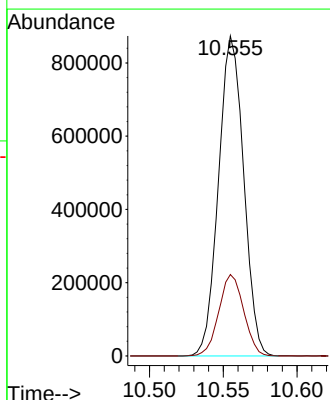
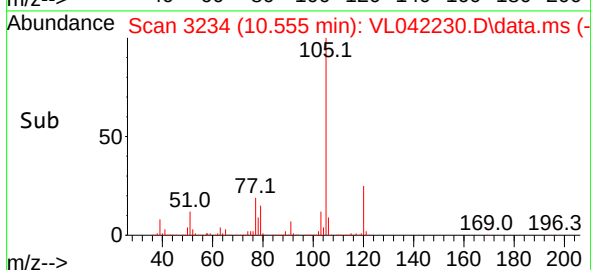
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

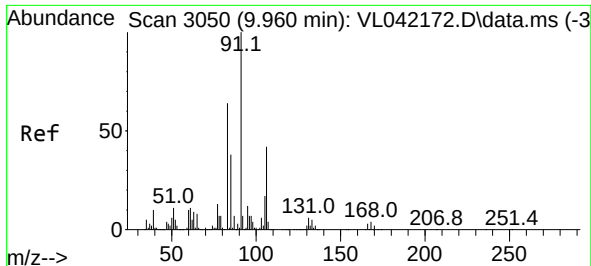


#62
Isopropylbenzene
Concen: 10.274 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09



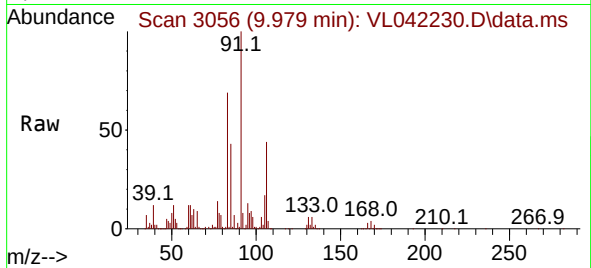
Tgt Ion:105 Resp: 1035385
Ion Ratio Lower Upper
105 100
120 25.2 19.9 29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 10.816 ppbv
RT: 9.979 min Scan# 3050
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

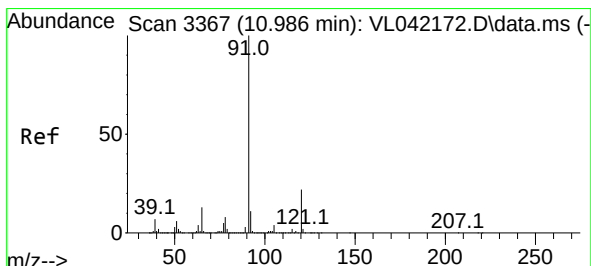
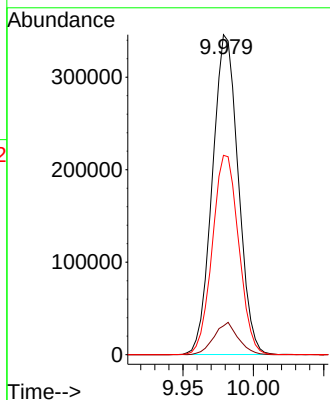
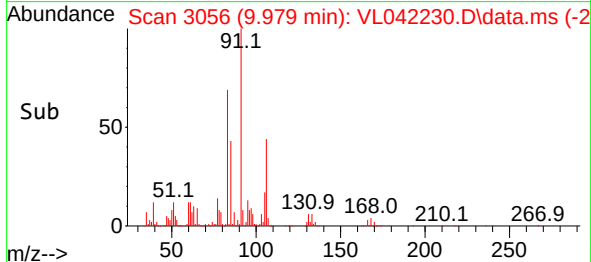
Instrument : MSVOA_L
ClientSampleId : VL0407ABS01



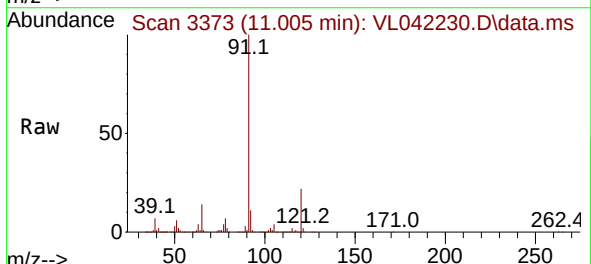
Tgt Ion: 83 Resp: 44287
Ion Ratio Lower Upper
83 100
131 9.5 4.8 14.4
85 63.6 32.5 97.5

Manual Integrations
APPROVED

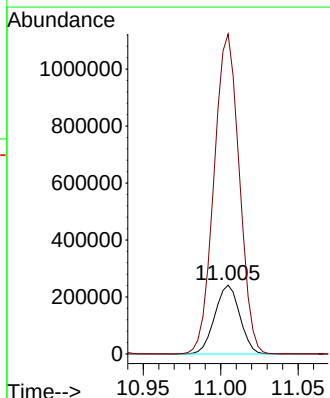
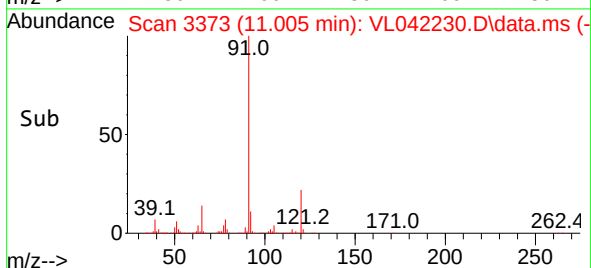
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

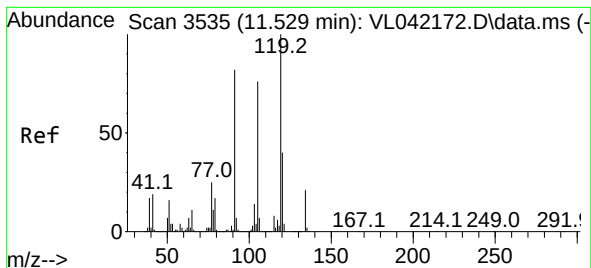


#64
n-propylbenzene
Concen: 10.422 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09



Tgt Ion:120 Resp: 270373
Ion Ratio Lower Upper
120 100
91 472.5 376.9 565.3





#65

tert-Butylbenzene

Concen: 10.135 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.016 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tgt Ion:119 Resp: 944630

Ion Ratio Lower Upper

119 100

91 84.4 66.0 99.0

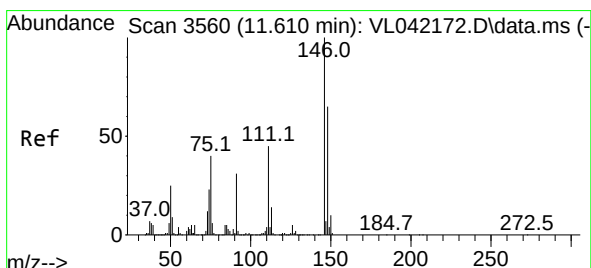
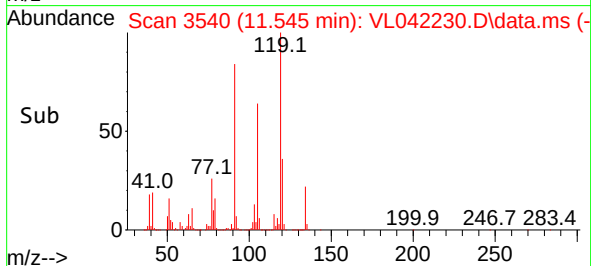
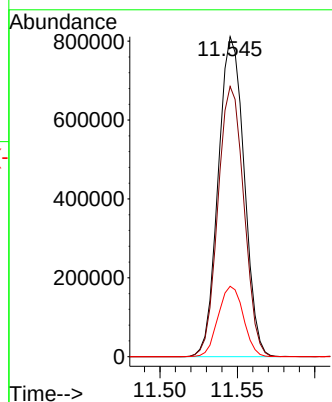
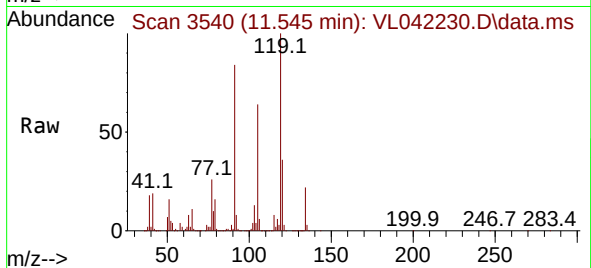
134 21.3 16.7 25.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025

Supervised By :Mahesh Dadoda 04/09/2025



#66

Benzyl Chloride

Concen: 7.123 ppbv

RT: 11.629 min Scan# 3566

Delta R.T. 0.019 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

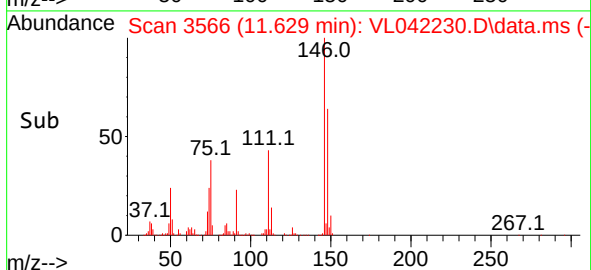
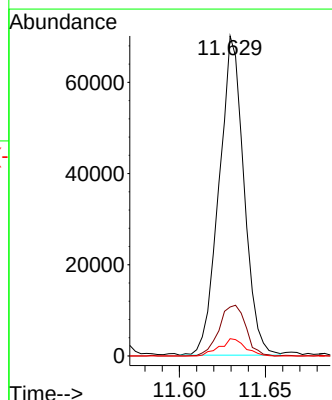
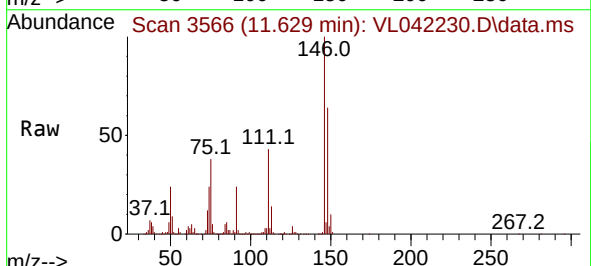
Tgt Ion: 91 Resp: 70444

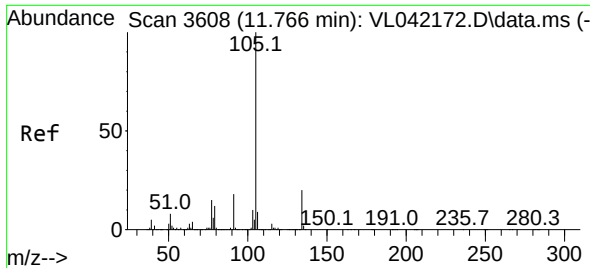
Ion Ratio Lower Upper

91 100

126 17.2 13.8 20.6

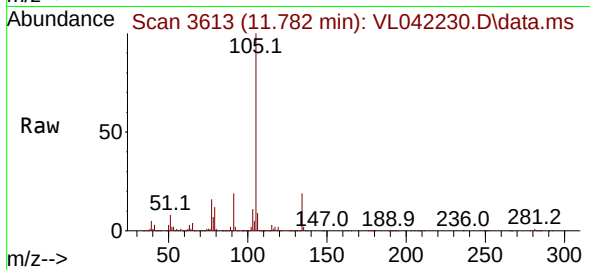
128 5.5 4.5 6.7





#67
 sec-Butylbenzene
 Concen: 10.395 ppbv
 RT: 11.782 min Scan# 30
 Delta R.T. 0.016 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

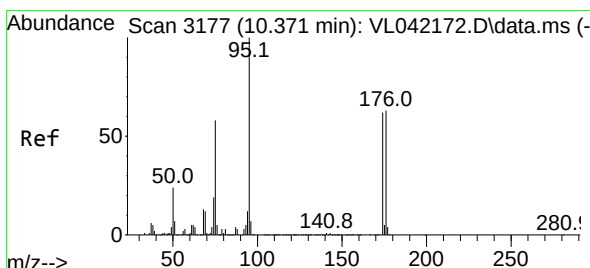
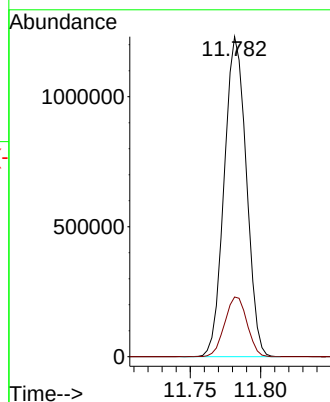
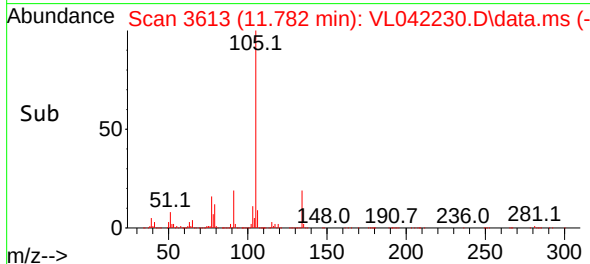
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01



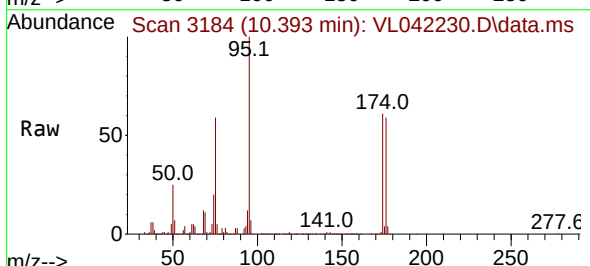
Tgt Ion: 105 Resp: 134668
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.5 23.3

Manual Integrations
 APPROVED

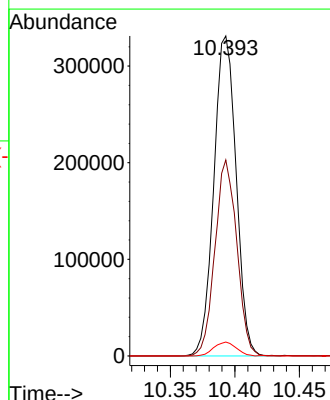
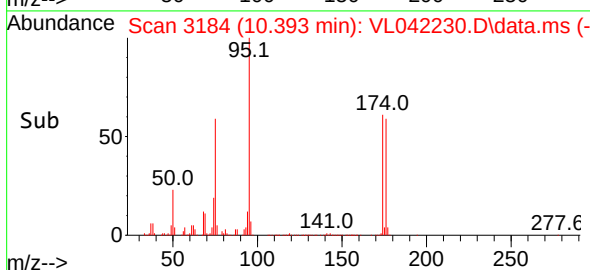
Reviewed By :Semsettin Yesilyurt 04/08/2025
 Supervised By :Mahesh Dadoda 04/09/2025

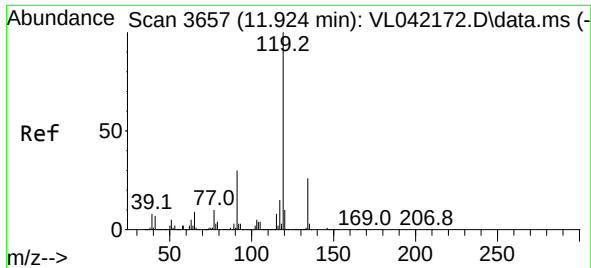


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.233 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. 0.022 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09



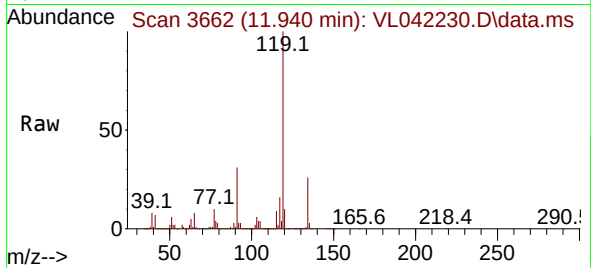
Tgt Ion: 95 Resp: 398322
 Ion Ratio Lower Upper
 95 100
 174 60.0 50.6 76.0
 175 4.4 3.8 5.6





#69
p-Isopropyltoluene
Concen: 10.321 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

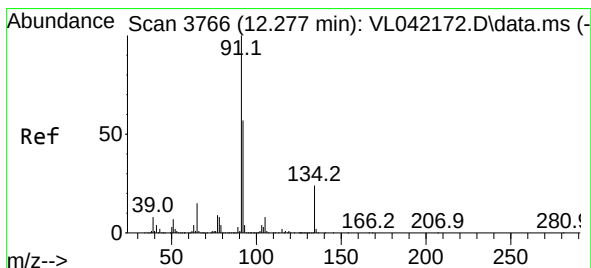
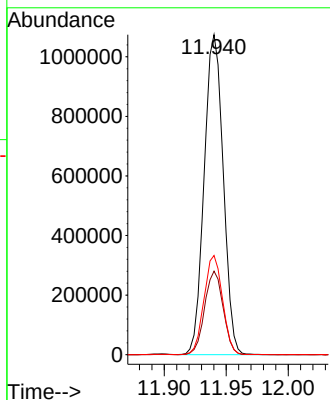
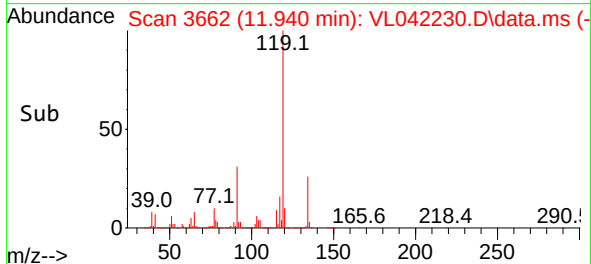
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01



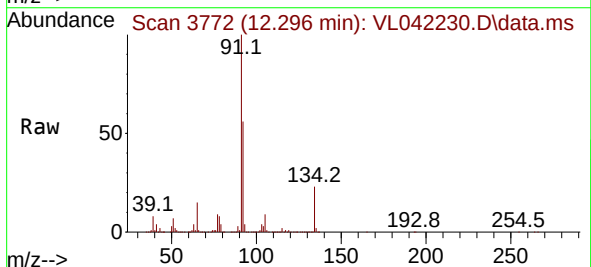
Tgt Ion: 119 Resp: 1151394
Ion Ratio Lower Upper
119 100
134 25.4 20.4 30.6
91 30.3 23.7 35.5

Manual Integrations
APPROVED

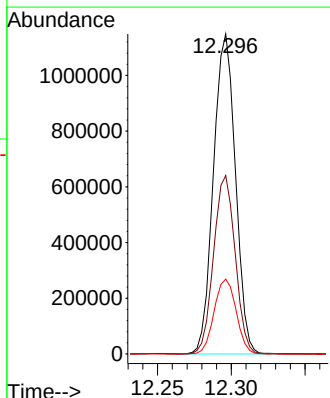
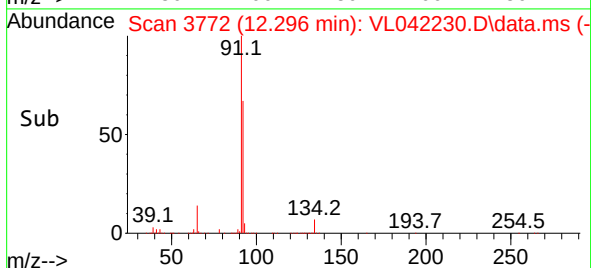
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

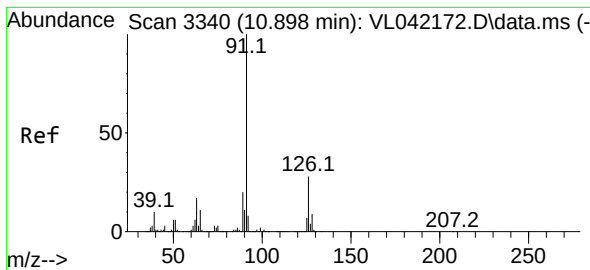


#70
n-Butylbenzene
Concen: 10.437 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09



Tgt Ion: 91 Resp: 1190709
Ion Ratio Lower Upper
91 100
92 54.9 44.9 67.3
134 23.4 19.2 28.8





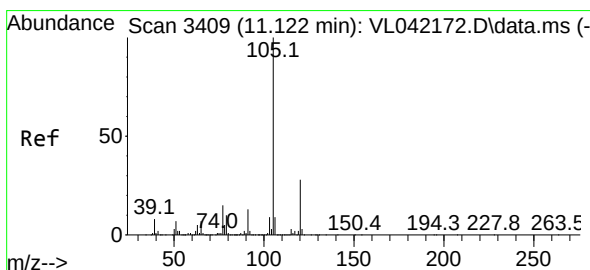
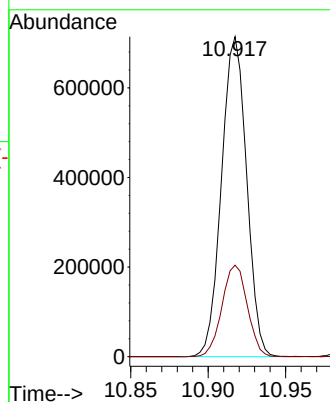
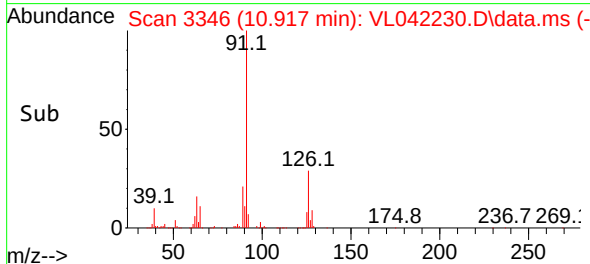
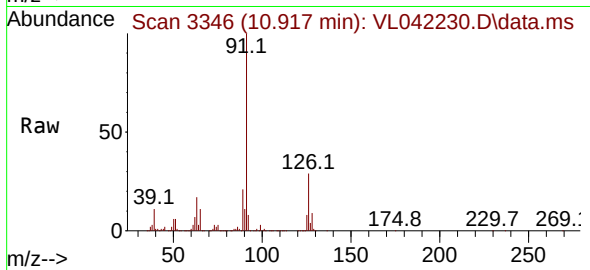
#71
2-Chlorotoluene
Concen: 10.276 ppbv
RT: 10.917 min Scan# 31
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 91 Resp: 803764
Ion Ratio Lower Upper
91 100
126 28.9 11.6 46.4

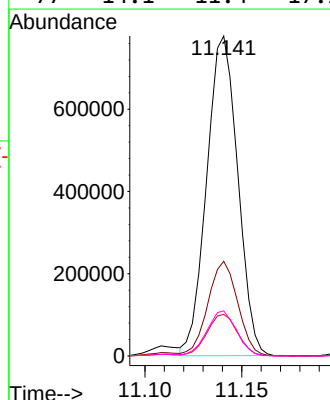
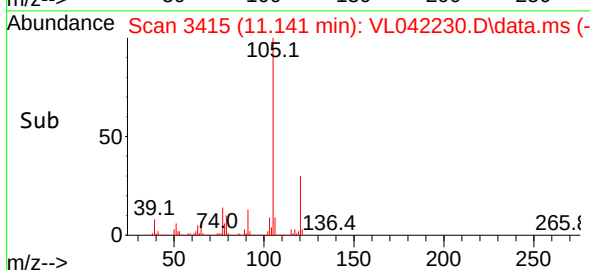
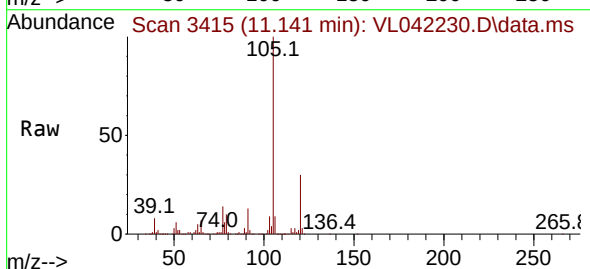
Manual Integrations
APPROVED

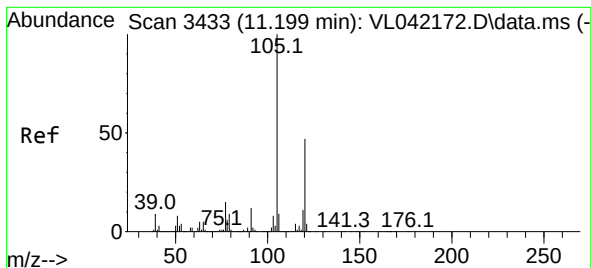
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#72
4-Ethyltoluene
Concen: 10.341 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:105 Resp: 867726
Ion Ratio Lower Upper
105 100
120 29.6 23.4 35.0
91 13.5 10.3 15.5
77 14.1 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 10.246 ppbv

RT: 11.218 min Scan# 3433

Delta R.T. 0.019 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tgt Ion:105 Resp: 750860

Ion Ratio Lower Upper

105 100

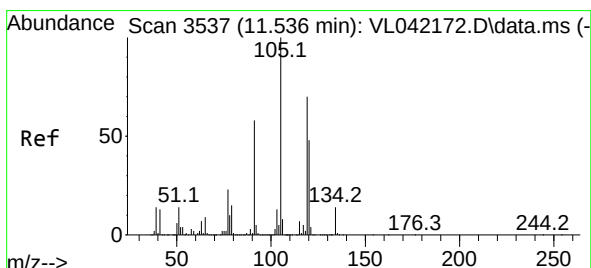
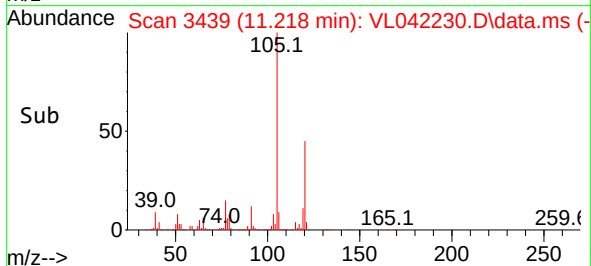
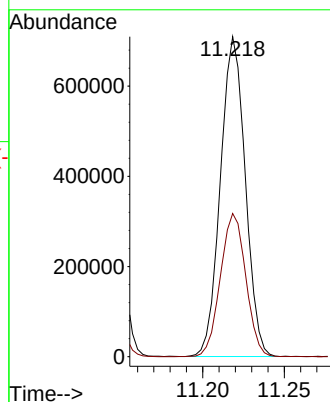
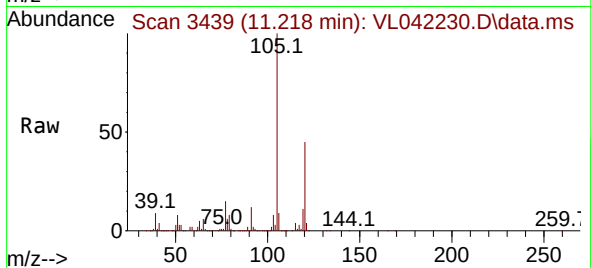
120 44.7 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025

Supervised By :Mahesh Dadoda 04/09/2025



#74

1,2,4-Trimethylbenzene

Concen: 9.856 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. 0.016 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Tgt Ion:105 Resp: 832142

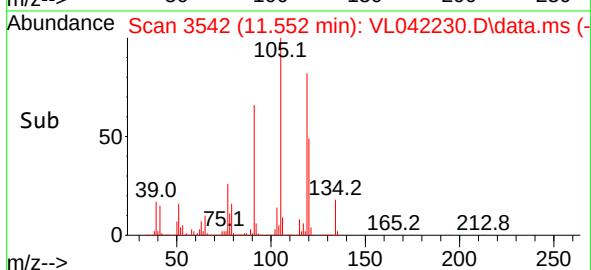
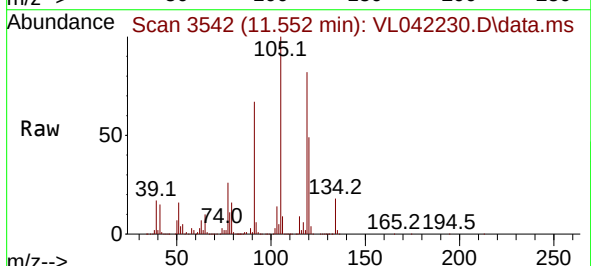
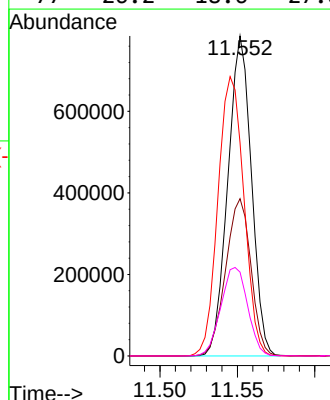
Ion Ratio Lower Upper

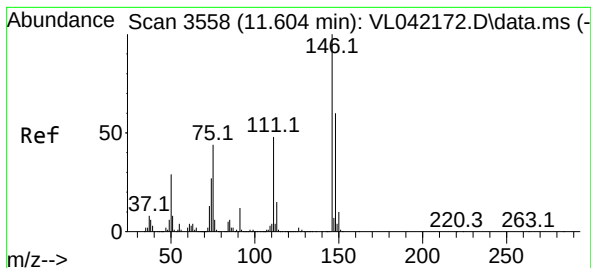
105 100

120 49.2 38.6 58.0

91 66.6 46.2 69.2

77 26.2 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 10.618 ppbv

RT: 11.623 min Scan# 3564

Delta R.T. 0.019 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

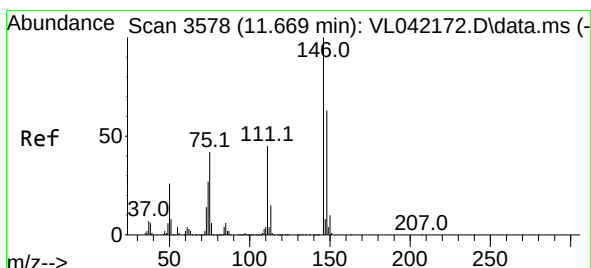
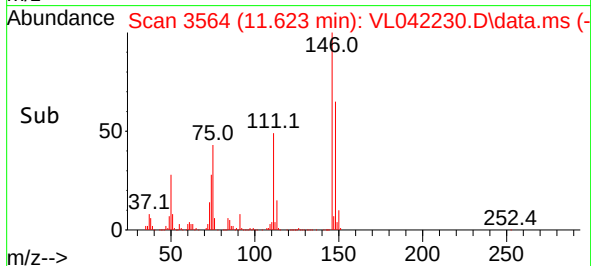
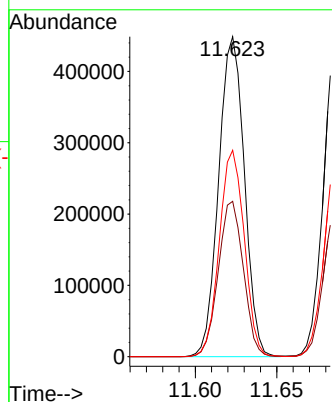
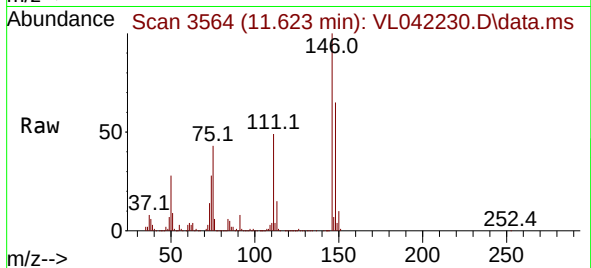
VL0407ABS01

Tgt Ion:	146	Resp:	491660
Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.8	71.2
148	62.7	31.9	95.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#76

1,4-Dichlorobenzene

Concen: 10.563 ppbv

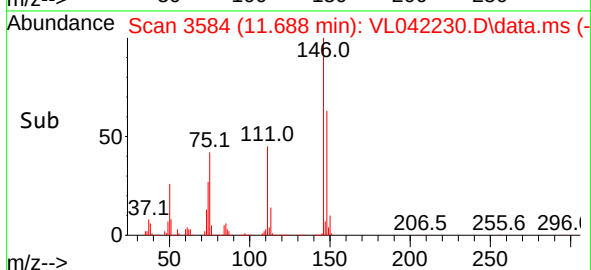
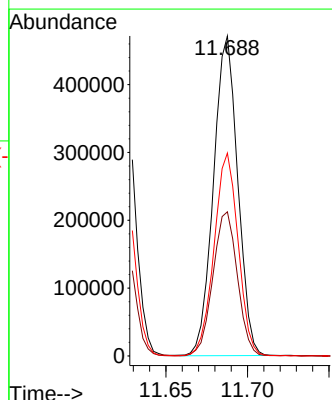
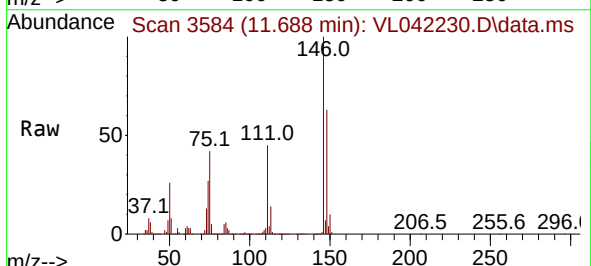
RT: 11.688 min Scan# 3584

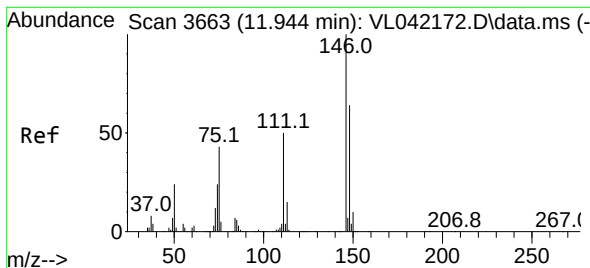
Delta R.T. 0.019 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Tgt Ion:	146	Resp:	486784
Ion	Ratio	Lower	Upper
146	100		
111	45.8	23.0	69.0
148	63.1	31.9	95.7





#77

1,2-Dichlorobenzene

Concen: 10.656 ppbv

RT: 11.963 min Scan# 30

Delta R.T. 0.019 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

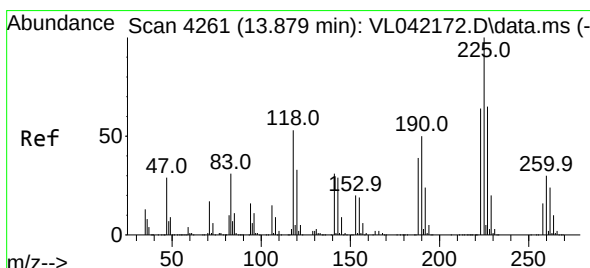
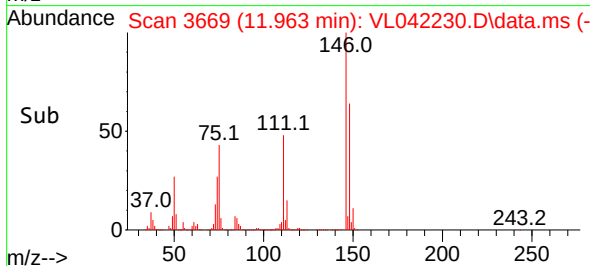
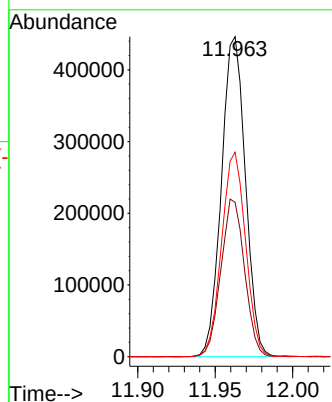
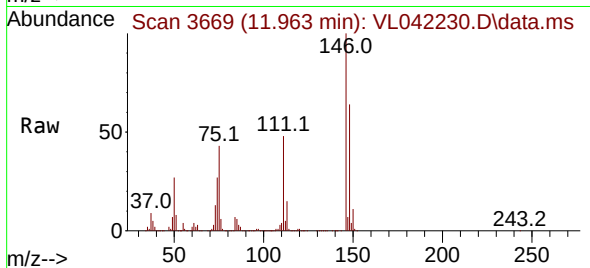
VL0407ABS01

Tgt Ion:	146	Resp:	48045
Ion Ratio	Lower	Upper	
146	100		
111	48.6	24.8	74.3
148	63.9	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#78

Hexachloro-1,3-Butadiene

Concen: 8.189 ppbv

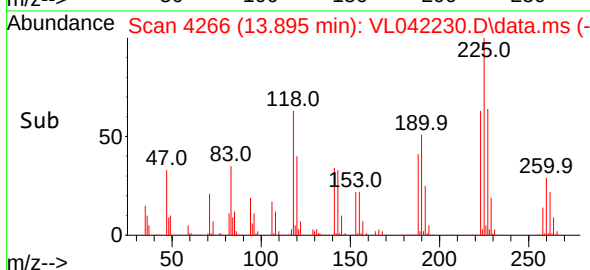
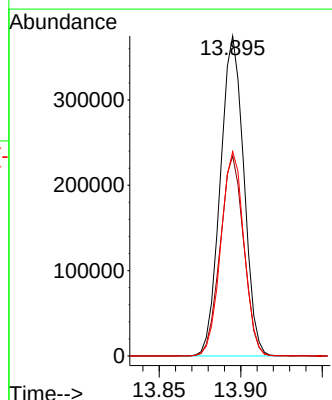
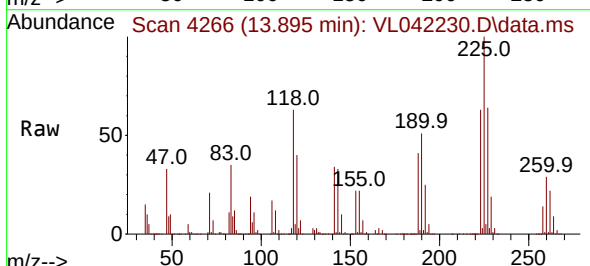
RT: 13.895 min Scan# 4266

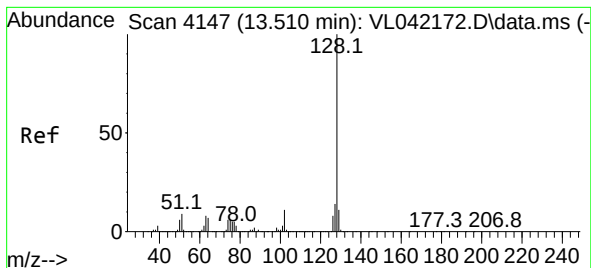
Delta R.T. 0.016 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Tgt Ion:	225	Resp:	375805
Ion Ratio	Lower	Upper	
225	100		
223	62.5	50.6	76.0
227	62.8	51.2	76.8





#79

Naphthalene

Concen: 9.262 ppbv

RT: 13.526 min Scan# 4147

Delta R.T. 0.016 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

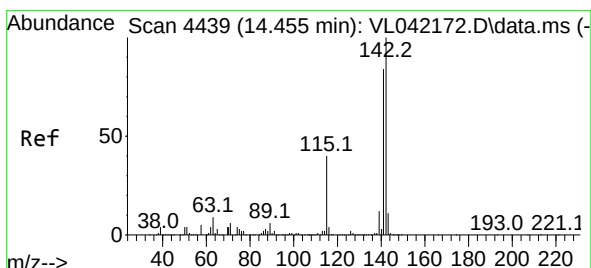
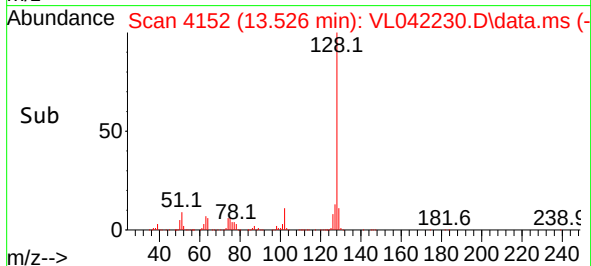
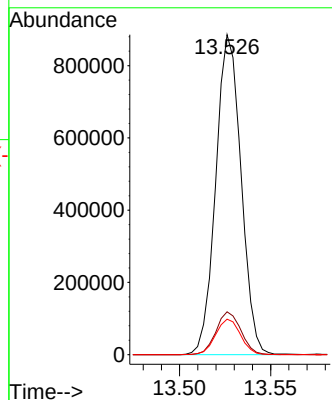
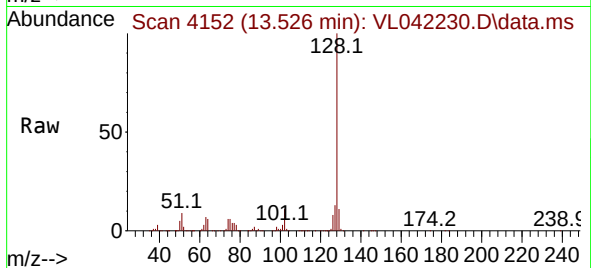
VL0407ABS01

Tgt Ion:128	Resp: 85535
Ion Ratio	Lower Upper
128 100	
127 13.4	10.8 16.2
129 11.1	9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#80

Naphthalene,2-methyl-

Concen: 6.665 ppbv

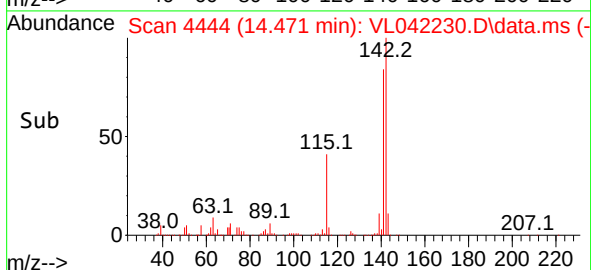
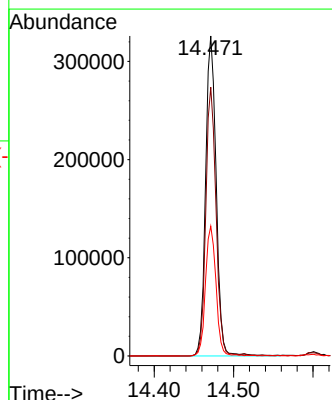
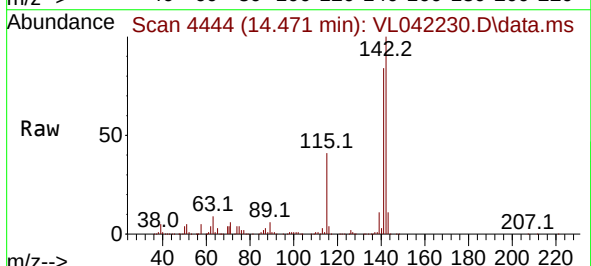
RT: 14.471 min Scan# 4444

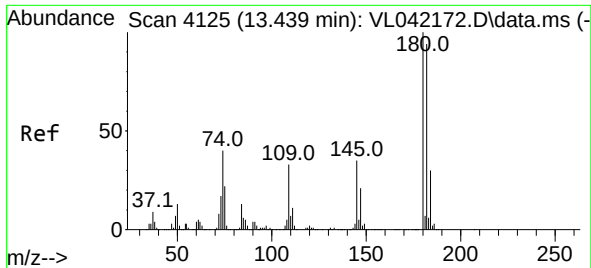
Delta R.T. 0.016 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

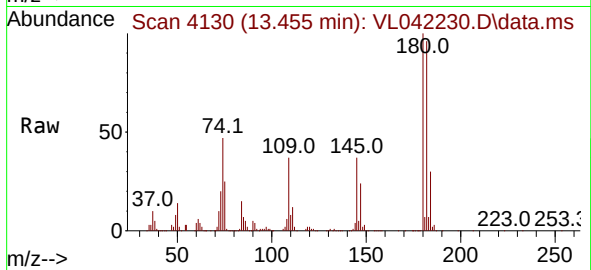
Tgt Ion:142	Resp: 301864
Ion Ratio	Lower Upper
142 100	
141 82.3	66.3 99.5
115 40.8	31.6 47.4





#81
 1,2,4-Trichlorobenzene
 Concen: 8.994 ppbv
 RT: 13.455 min Scan# 41
 Delta R.T. 0.016 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01



Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.1	112.7
184	30.0	24.4	36.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
 Supervised By :Mahesh Dadoda 04/09/2025

