

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
 Data File : VL042750.D
 Acq On : 23 Jul 2025 10:42
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/24/2025
 Supervised By : Mahesh Dadoda 07/24/2025

Quant Time: Jul 24 04:58:18 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

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

QLast Update : Thu Jul 24 04:55:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	151256	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	446836	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	408626	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.374	95	319353	9.869	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	11099	0.555	ppbv	98
3) Chlorodifluoromethane	1.476	51	14291	0.549	ppbv	97
4) Chloromethane	1.531	50	4428	0.547	ppbv	96
5) Vinyl Chloride	1.580	62	3902	0.488	ppbv	97
6) Bromomethane	1.667	94	1717	0.556	ppbv #	38
7) Chloroethane	1.703	64	2102	0.681	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	8971	0.545	ppbv	97
9) Propene	1.483	41	4695	0.496	ppbv #	77
10) Heptane	4.978	43	13003m	0.511	ppbv	
11) Trichlorofluoromethane	1.878	101	11021	0.535	ppbv	90
12) 1,1,2-Trichlorotrifluo...	2.137	101	8430	0.538	ppbv	98
13) Ethanol	1.719	45	1066m	0.498	ppbv	
14) Bromoethene	1.781	108	2971	0.536	ppbv #	92
15) Acetone	1.836	43	14012	0.671	ppbv #	88
16) 1,3-Butadiene	1.609	39	5488	0.616	ppbv	100
17) tert-Butyl alcohol	2.040	59	10333	0.549	ppbv #	77
18) 1,1-Dichloroethene	2.033	96	4051	0.572	ppbv	77
19) Isopropyl Alcohol	1.888	45	6478	0.584	ppbv #	81
20) Methylene Chloride	2.059	84	4500	0.684	ppbv	82
21) Allyl Chloride	2.098	41	6829	0.531	ppbv #	80
22) trans-1,2-Dichloroethene	2.341	96	4186	0.551	ppbv	88
23) Vinyl Acetate	2.460	43	12423	0.491	ppbv #	76
24) 1,1-Dichloroethane	2.405	63	7962	0.509	ppbv #	91
25) Ethyl Acetate	2.836	43	23632	0.511	ppbv	97
26) Hexane	2.823	57	10019	0.494	ppbv	90
27) Carbon Disulfide	2.150	76	8670	0.499	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	4937	0.515	ppbv #	79
29) Chloroform	2.849	83	17100	0.546	ppbv #	82
30) Cyclohexane	3.855	84	8596	0.500	ppbv	89
31) cis-1,2-Dichloroethene	2.723	61	11032	0.529	ppbv	99
32) 1,1,1-Trichloroethane	3.367	97	16132	0.494	ppbv	97
34) 2-Butanone	2.557	43	16299	0.515	ppbv	94
35) Carbon Tetrachloride	3.761	117	15207	0.458	ppbv	90
36) Benzene	3.651	78	21800	0.515	ppbv	96
37) 1,2-Dichloroethane	3.215	62	13299	0.521	ppbv #	95
38) Trichloroethene	4.548	130	10097m	0.494	ppbv	
39) 1,2-Dichloropropane	4.312	63	8291	0.530	ppbv #	90
40) 1,4-Dioxane	4.606	88	3963m	0.538	ppbv	
41) Tetrahydrofuran	3.056	42	8064m	0.507	ppbv	
42) Bromodichloromethane	4.487	83	16080m	0.484	ppbv	
43) Methyl Methacrylate	4.881	69	7162m	0.476	ppbv	
44) 2,2,4-Trimethylpentane	4.639	57	33853	0.490	ppbv	93
45) t-1,3-Dichloropropene	6.412	75	7968m	0.472	ppbv	

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

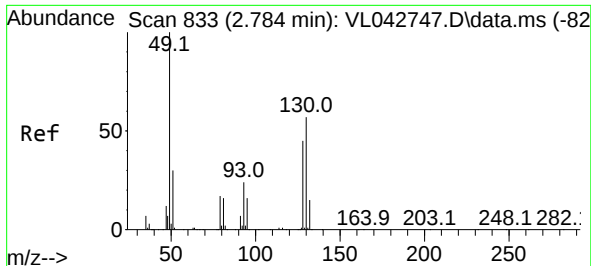
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Jul 24 04:55:41 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	9709m	0.454	ppbv	
47) 1,1,2-Trichloroethane	6.574	97	8782m	0.527	ppbv	
48) Dibromochloromethane	7.383	129	12723m	0.481	ppbv	
49) Bromoform	9.481	173	10801	0.468	ppbv	97
50) 4-Methyl-2-Pentanone	5.768	43	19575m	0.486	ppbv	
51) 2-Hexanone	7.448	43	12813m	0.416	ppbv	
52) Tetrachloroethene	8.218	164	8359	0.475	ppbv #	81
53) Toluene	6.924	91	21324	0.469	ppbv	95
54) 1,2-Dibromoethane	7.649	107	12294m	0.521	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.924	131	11191	0.527	ppbv #	1
57) Chlorobenzene	8.921	112	20828	0.527	ppbv #	84
58) Ethyl Benzene	9.354	91	29134	0.451	ppbv	96
59) m/p-Xylene	9.549	91	47028m	0.912	ppbv	
60) o-Xylene	9.963	91	23603	0.458	ppbv	100
61) Styrene	9.872	104	9195	0.424	ppbv	97
62) Isopropylbenzene	10.539	105	35189	0.463	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.956	83	15544	0.463	ppbv	99
64) n-propylbenzene	10.989	120	8924	0.450	ppbv	99
65) tert-Butylbenzene	11.529	119	30560	0.453	ppbv	95
66) Benzyl Chloride	11.617	91	2336m	0.421	ppbv	
67) sec-Butylbenzene	11.766	105	44169	0.460	ppbv	100
69) p-Isopropyltoluene	11.924	119	33104	0.423	ppbv	99
70) n-Butylbenzene	12.280	91	29048	0.384	ppbv	99
71) 2-Chlorotoluene	10.902	91	27184	0.466	ppbv	97
72) 4-Ethyltoluene	11.125	105	26395	0.429	ppbv #	95
73) 1,3,5-Trimethylbenzene	11.206	105	22392	0.442	ppbv #	85
74) 1,2,4-Trimethylbenzene	11.536	105	22772	0.412	ppbv	96
75) 1,3-Dichlorobenzene	11.607	146	18680	0.482	ppbv	96
76) 1,4-Dichlorobenzene	11.669	146	17616	0.465	ppbv	97
77) 1,2-Dichlorobenzene	11.947	146	18799	0.494	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	18330	0.532	ppbv	99
79) Naphthalene	13.514	128	9916	0.592	ppbv	97
80) Naphthalene,2-methyl-	14.481	142	731	1.148	ppbv #	61
81) 1,2,4-Trichlorobenzene	13.436	180	7453	0.645	ppbv	95

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



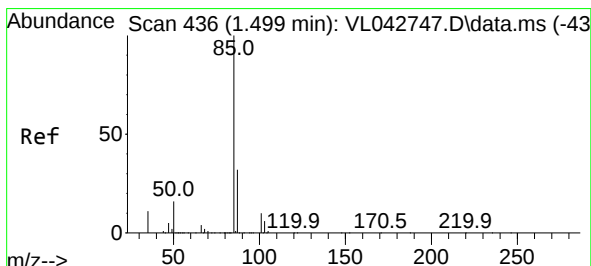
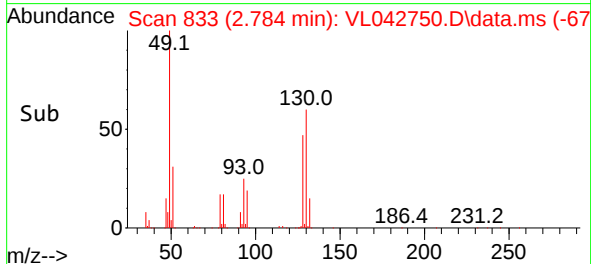
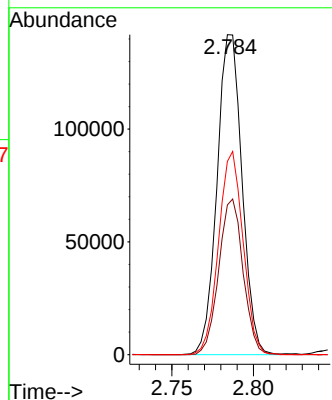
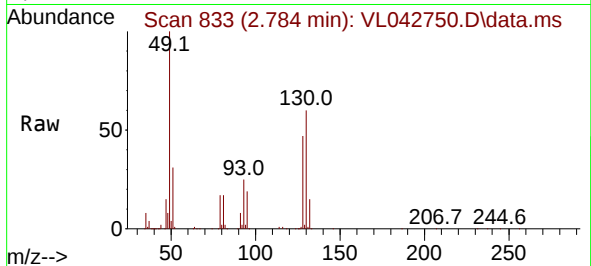
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 49 Resp: 151250
Ion Ratio Lower Upper
49 100
128 47.4 23.6 71.0
130 62.2 30.3 90.8

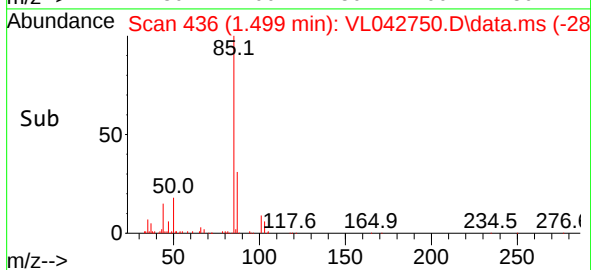
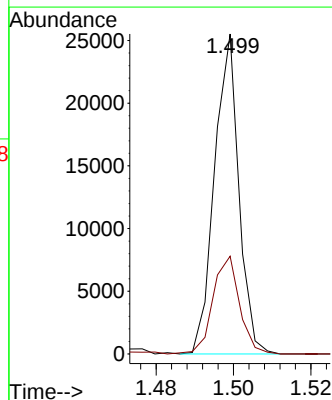
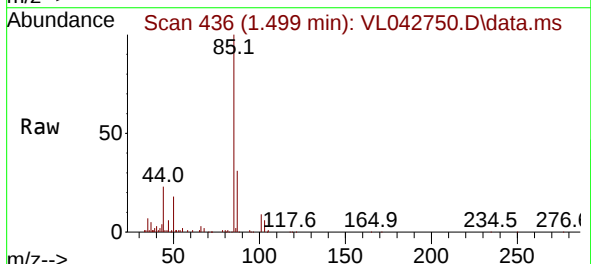
Manual Integrations
APPROVED

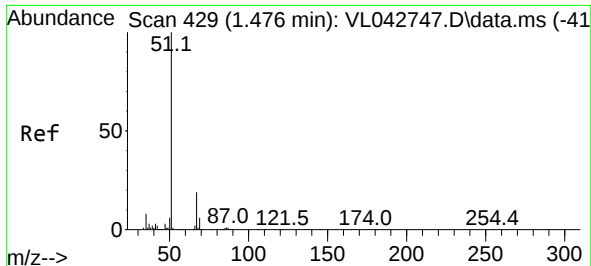
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#2
Dichlorodifluoromethane
Concen: 0.555 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

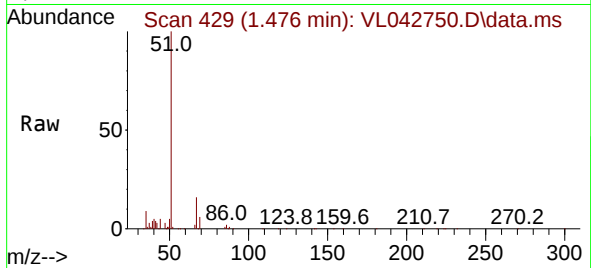
Tgt Ion: 85 Resp: 11099
Ion Ratio Lower Upper
85 100
87 30.6 25.4 38.2





#3
Chlorodifluoromethane
Concen: 0.549 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

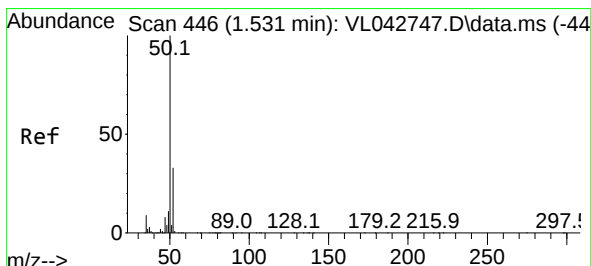
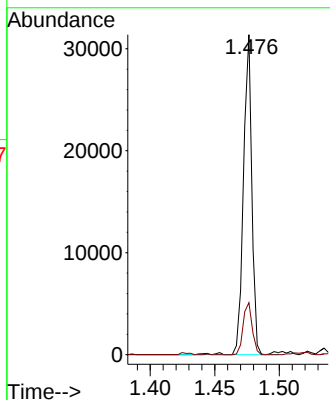
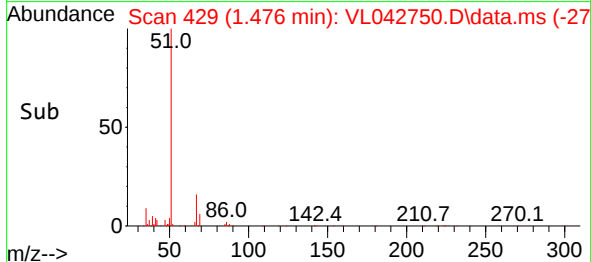
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



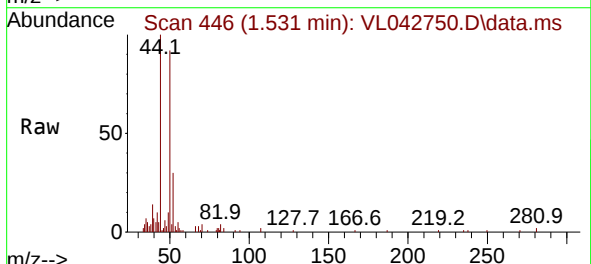
Tgt Ion: 51 Resp: 1429
Ion Ratio Lower Upper
51 100
67 17.4 15.0 22.6

Manual Integrations
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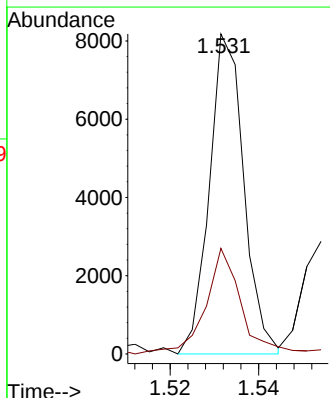
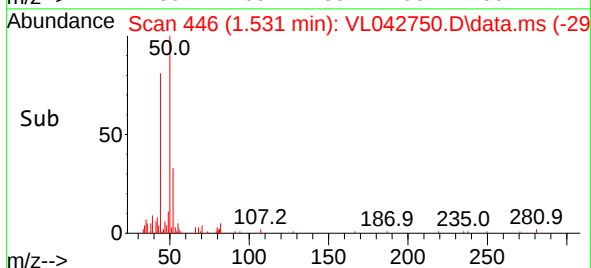
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

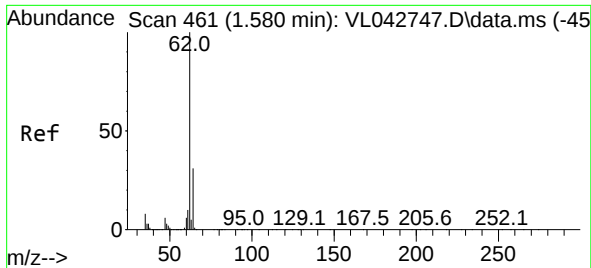


#4
Chloromethane
Concen: 0.547 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42



Tgt Ion: 50 Resp: 4428
Ion Ratio Lower Upper
50 100
52 30.8 26.6 40.0





#5
 Vinyl Chloride
 Concen: 0.488 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

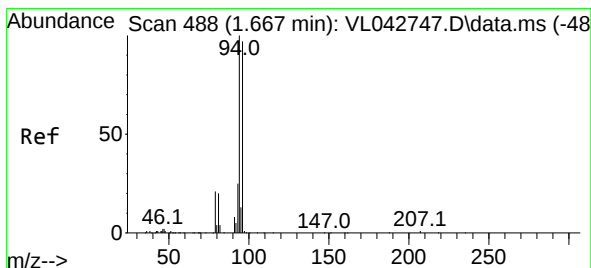
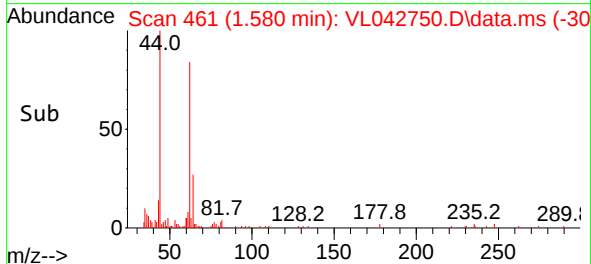
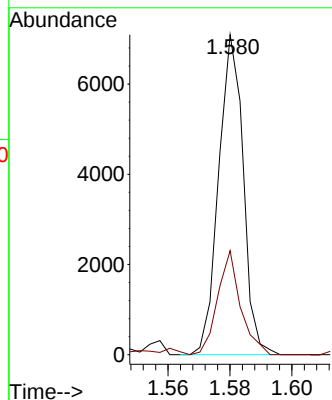
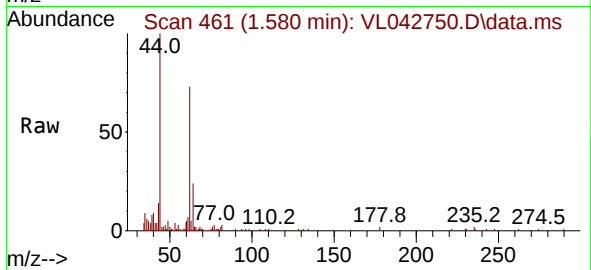
VSTDICC0.5

Tgt Ion: 62 Resp: 3902
 Ion Ratio Lower Upper
 62 100
 64 32.5 24.5 36.7

Manual Integrations

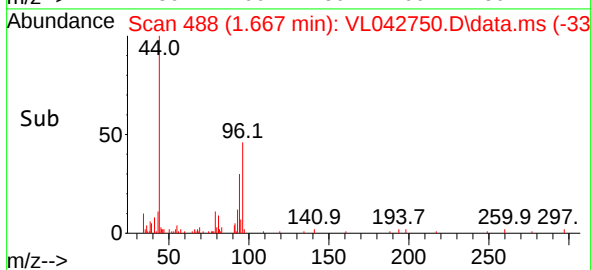
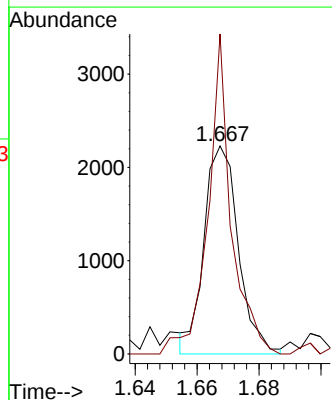
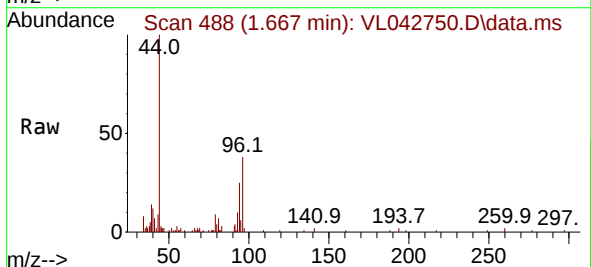
APPROVED

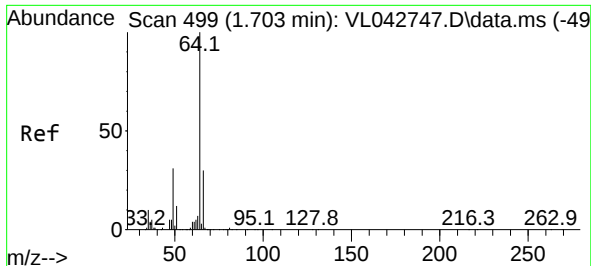
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#6
 Bromomethane
 Concen: 0.556 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

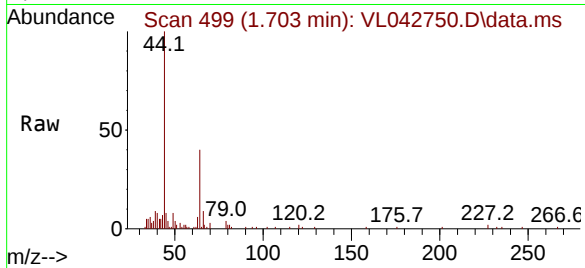
Tgt Ion: 94 Resp: 1717
 Ion Ratio Lower Upper
 94 100
 96 157.5 77.6 116.4#





#7
Chloroethane
Concen: 0.681 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

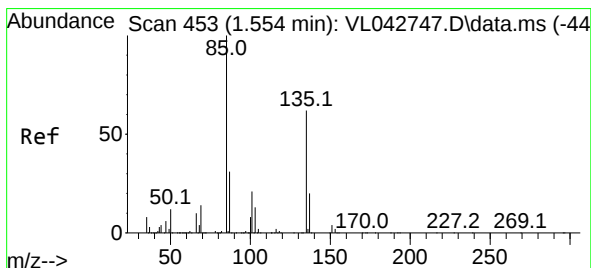
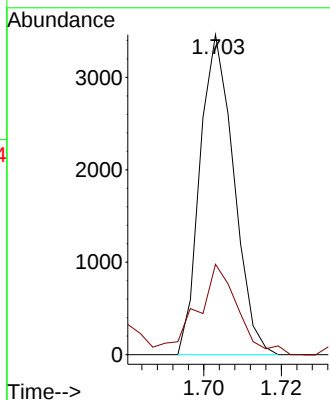
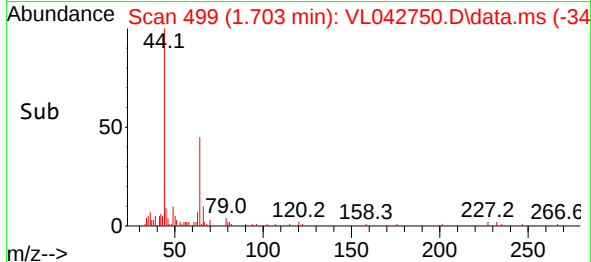
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



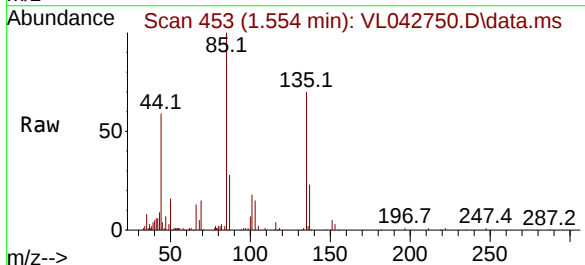
Tgt Ion: 64 Resp: 210
Ion Ratio Lower Upper
64 100
66 28.3 24.1 36.1

Manual Integrations
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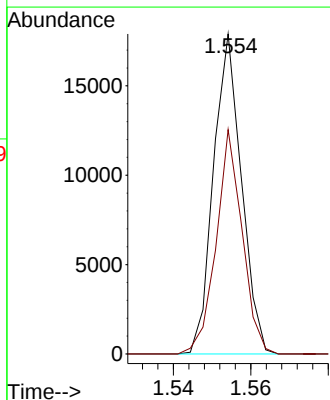
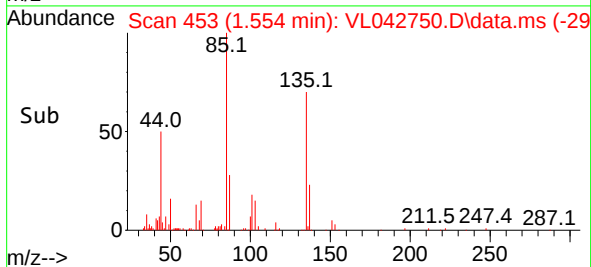
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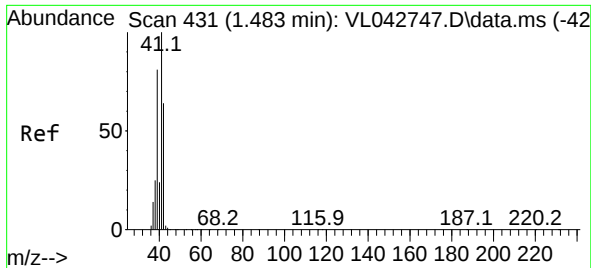


#8
Dichlorotetrafluoroethane
Concen: 0.545 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42



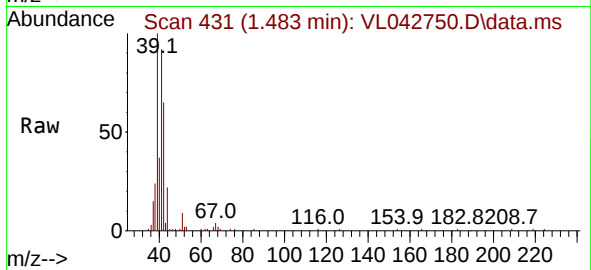
Tgt Ion: 85 Resp: 8971
Ion Ratio Lower Upper
85 100
135 65.3 50.6 76.0





#9
 Propene
 Concen: 0.496 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

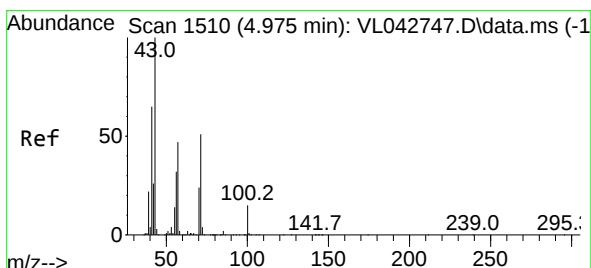
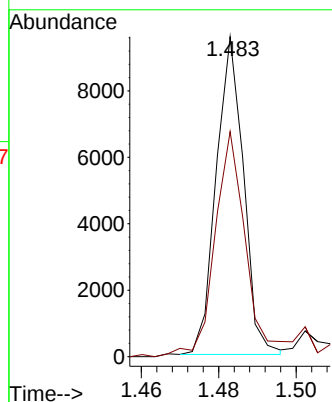
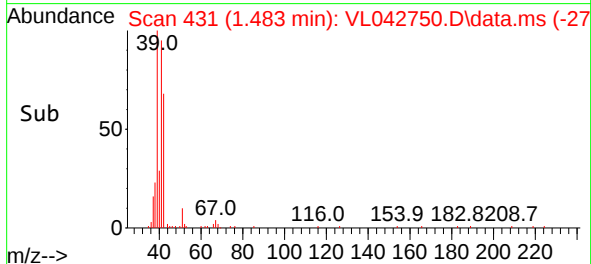
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



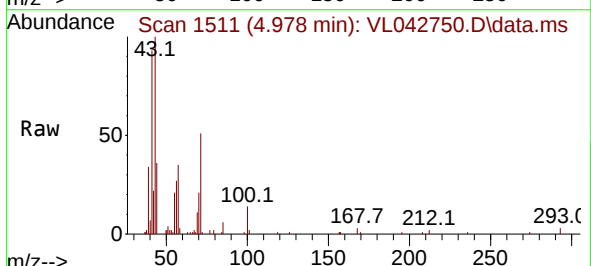
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 Ion Ratio Lower Upper
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 42 84.9 53.2 79.8

Manual Integrations
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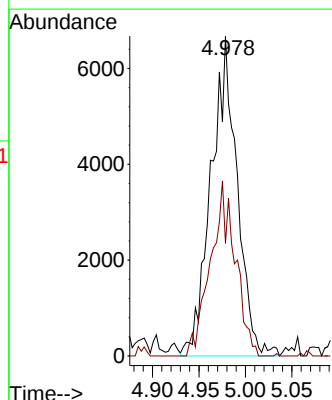
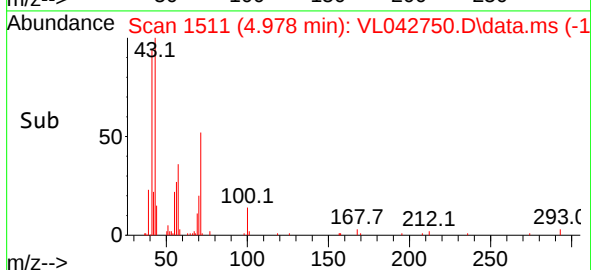
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

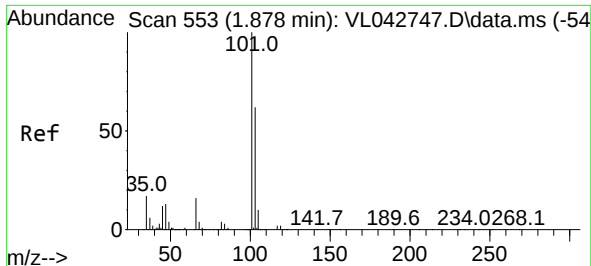


#10
 Heptane
 Concen: 0.511 ppbv m
 RT: 4.978 min Scan# 1511
 Delta R.T. 0.003 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42



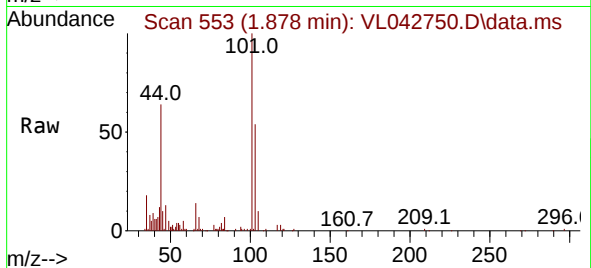
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 Ion Ratio Lower Upper
 43 100
 57 51.9 39.9 59.9





#11
 Trichlorofluoromethane
 Concen: 0.535 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

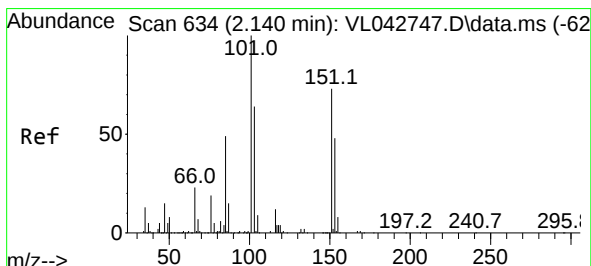
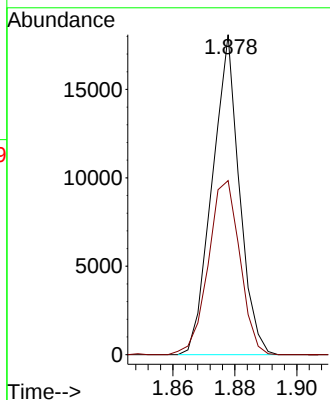
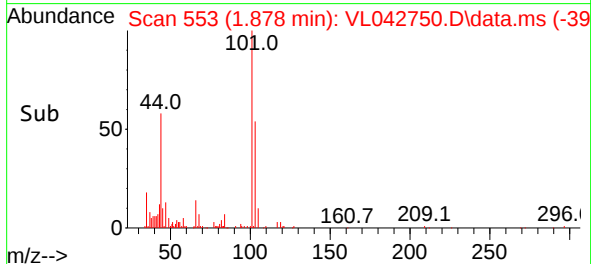
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



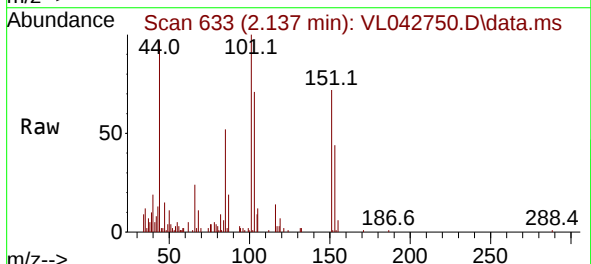
Tgt Ion:101 Resp: 1102
 Ion Ratio Lower Upper
 101 100
 103 54.4 49.6 74.4

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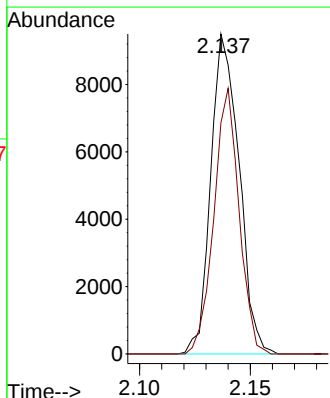
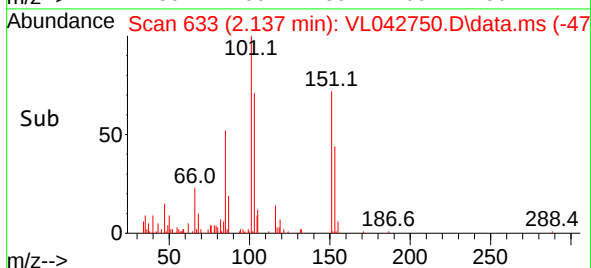
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.538 ppbv
 RT: 2.137 min Scan# 633
 Delta R.T. -0.003 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42



Tgt Ion:101 Resp: 8430
 Ion Ratio Lower Upper
 101 100
 151 74.0 60.5 90.7





#13

Ethanol

Concen: 0.498 ppbv m

RT: 1.719 min Scan# 504

Delta R.T. 0.000 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 45 Resp: 1060

Ion Ratio Lower Upper

45 100

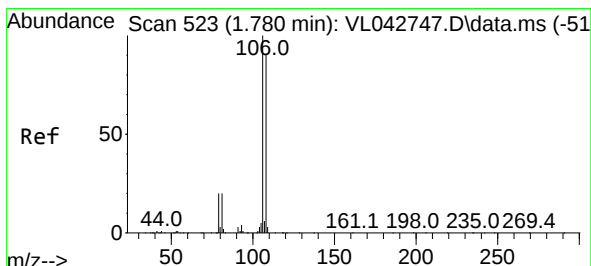
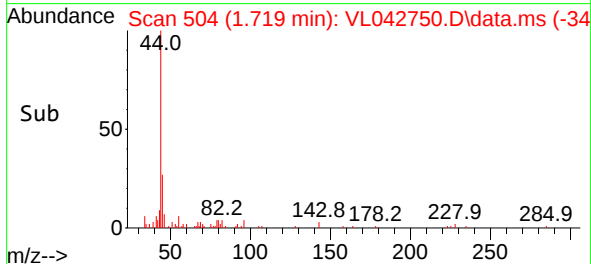
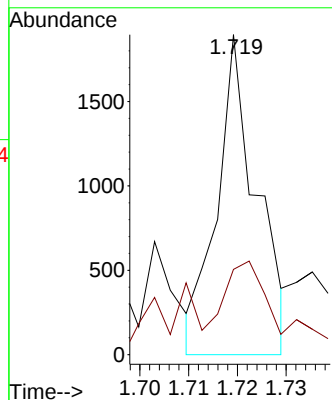
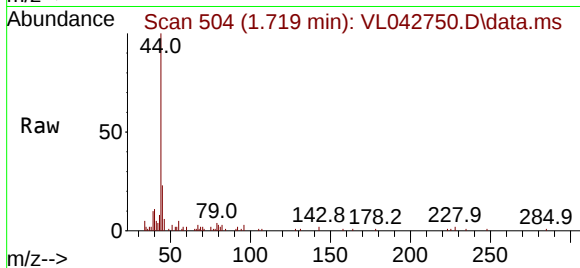
46 81.1 17.8 71.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#14

Bromoethene

Concen: 0.536 ppbv

RT: 1.781 min Scan# 523

Delta R.T. 0.000 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

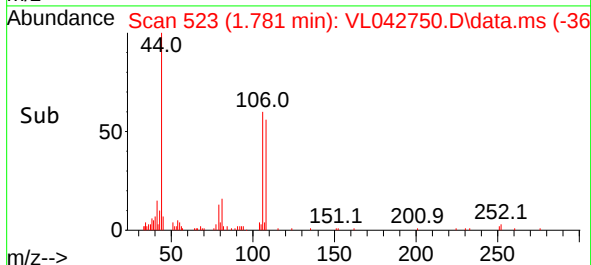
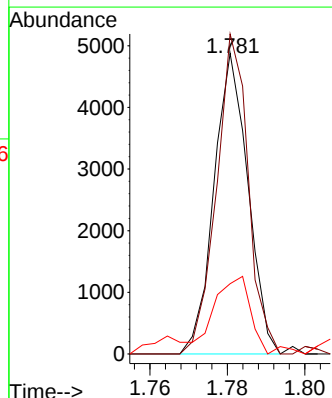
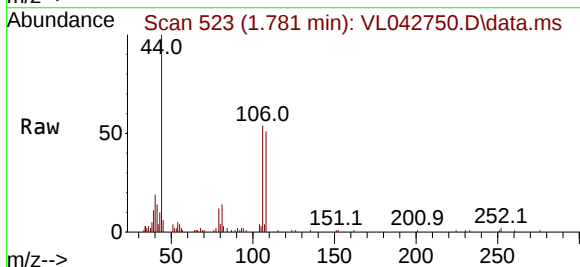
Tgt Ion:108 Resp: 2971

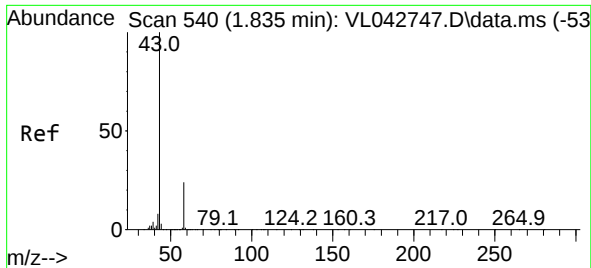
Ion Ratio Lower Upper

108 100

106 102.0 84.7 127.1

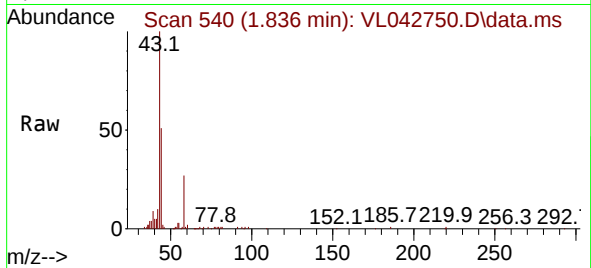
79 35.4 17.4 26.2





#15
Acetone
Concen: 0.671 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

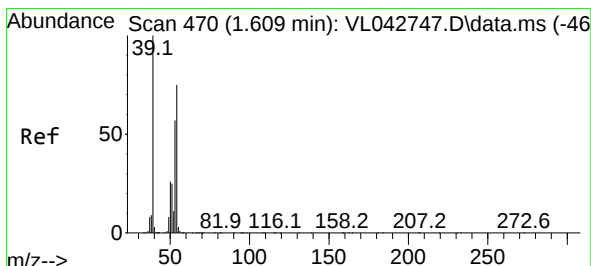
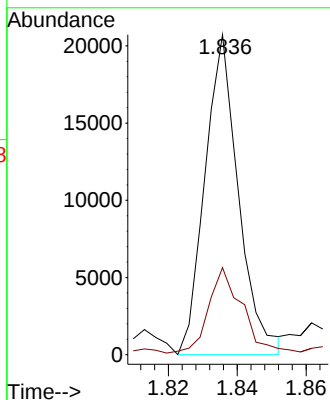
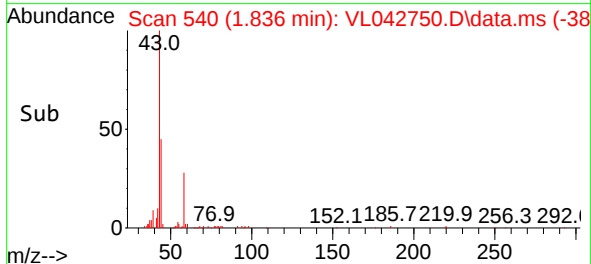
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



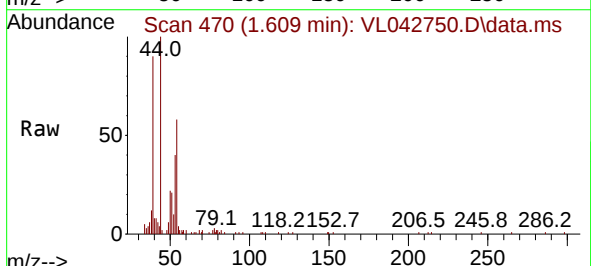
Tgt Ion: 43 Resp: 14012
Ion Ratio Lower Upper
43 100
58 30.8 19.8 29.8

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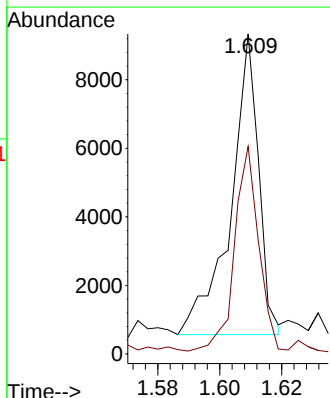
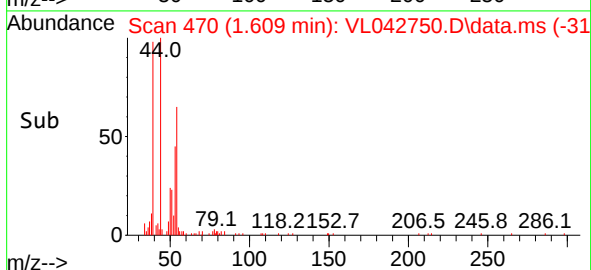
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

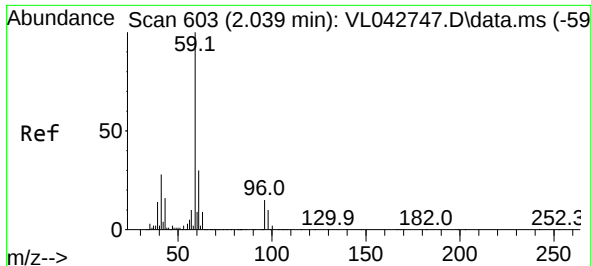


#16
1,3-Butadiene
Concen: 0.616 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42



Tgt Ion: 39 Resp: 5488
Ion Ratio Lower Upper
39 100
54 67.8 54.5 81.7





#17

tert-Butyl alcohol

Concen: 0.549 ppbv

RT: 2.040 min Scan# 603

Delta R.T. 0.000 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 59 Resp: 1033

Ion Ratio Lower Upper

59 100

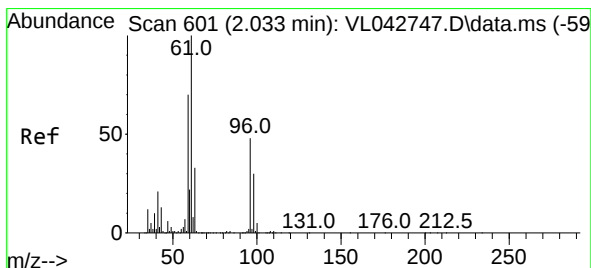
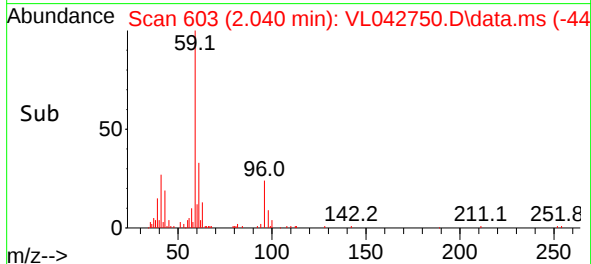
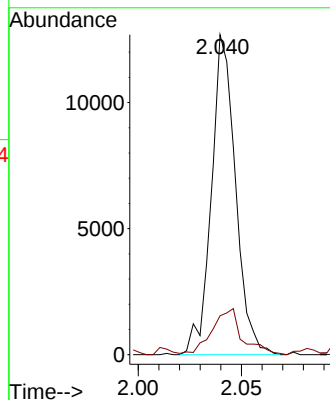
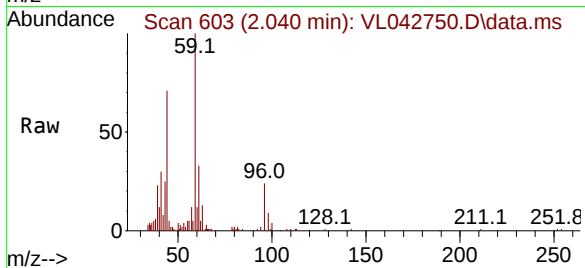
57 19.1 8.3 12.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#18

1,1-Dichloroethene

Concen: 0.572 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.000 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

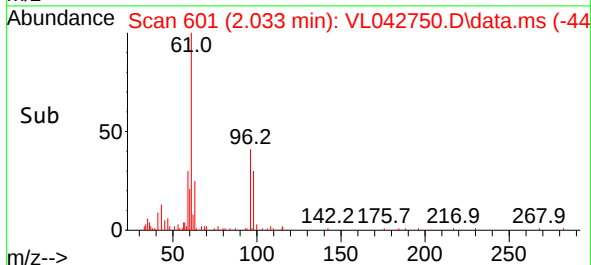
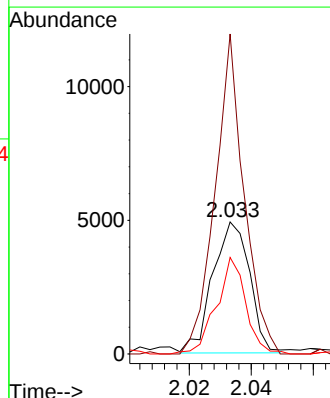
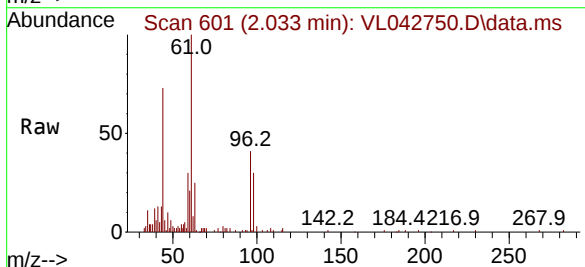
Tgt Ion: 96 Resp: 4051

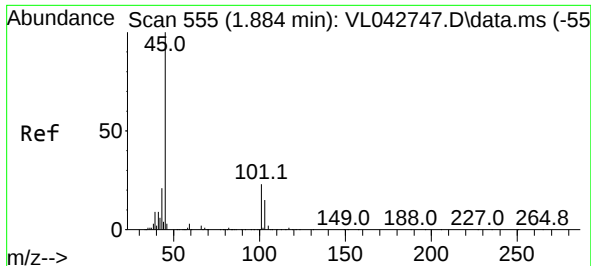
Ion Ratio Lower Upper

96 100

61 246.6 165.8 248.6

98 72.7 49.9 74.9





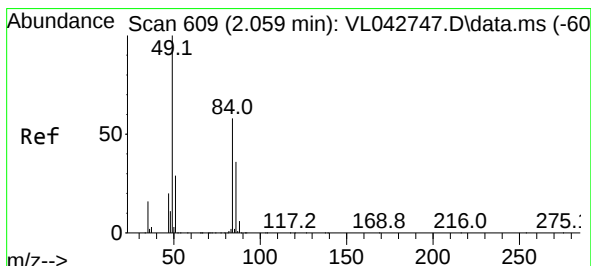
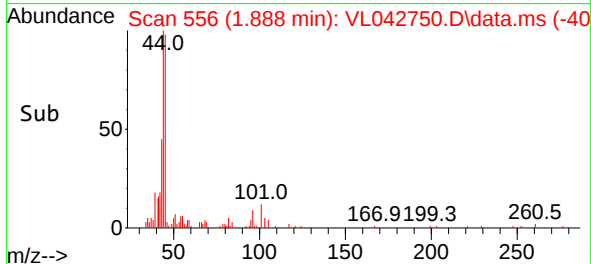
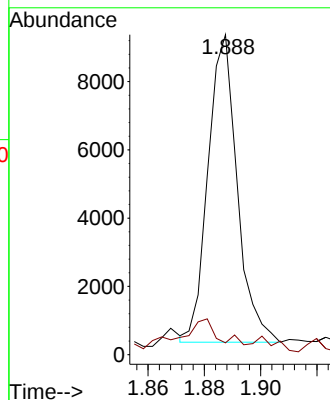
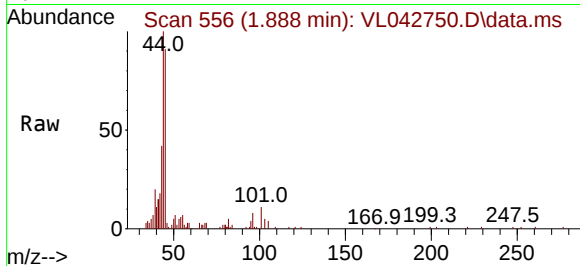
#19
Isopropyl Alcohol
Concen: 0.584 ppbv
RT: 1.888 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 45 Resp: 6478
Ion Ratio Lower Upper
45 100
58 25.9 30.0 45.0

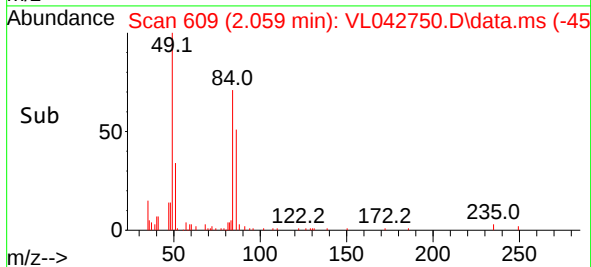
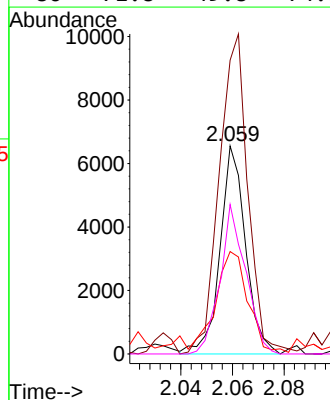
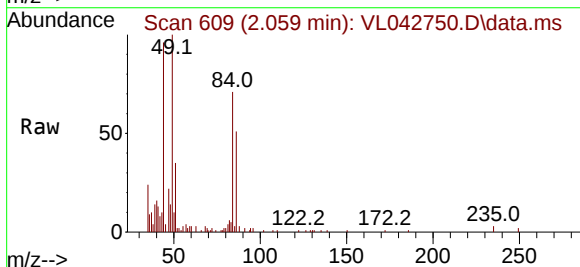
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#20
Methylene Chloride
Concen: 0.684 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 84 Resp: 4500
Ion Ratio Lower Upper
84 100
49 141.2 138.6 208.0
51 46.8 40.6 61.0
86 71.8 49.8 74.8





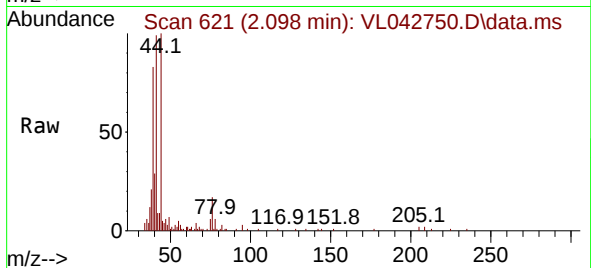
#21
 Allyl Chloride
 Concen: 0.531 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

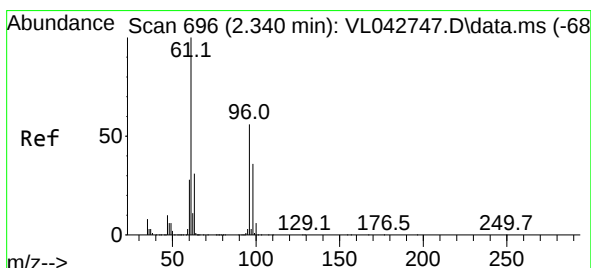
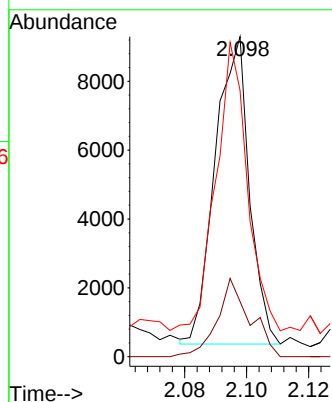
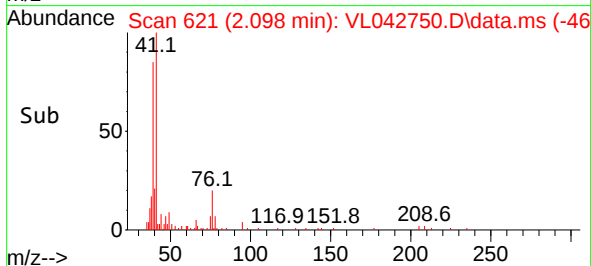


Tgt Ion: 41 Resp: 6829
 Ion Ratio Lower Upper
 41 100
 76 24.4 21.1 31.7
 39 108.8 68.3 102.5

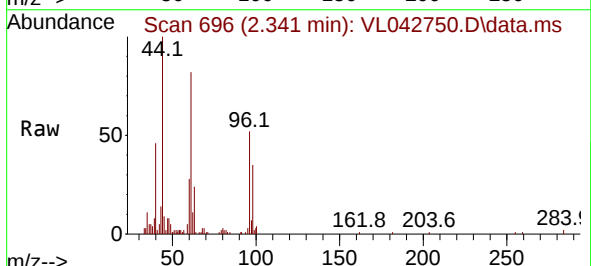
Manual Integrations

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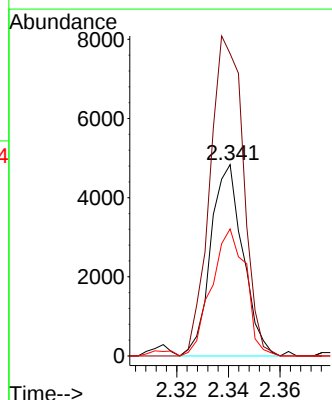
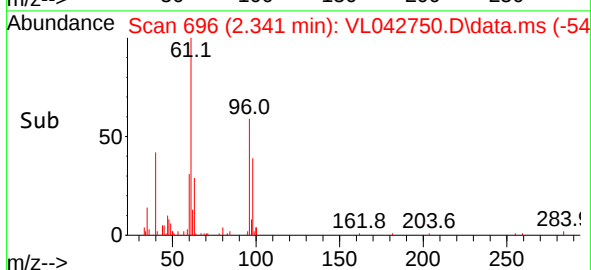
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

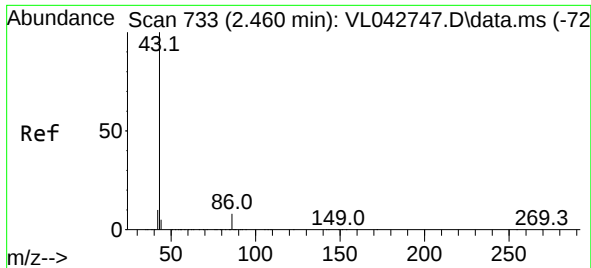


#22
 trans-1,2-Dichloroethene
 Concen: 0.551 ppbv
 RT: 2.341 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42



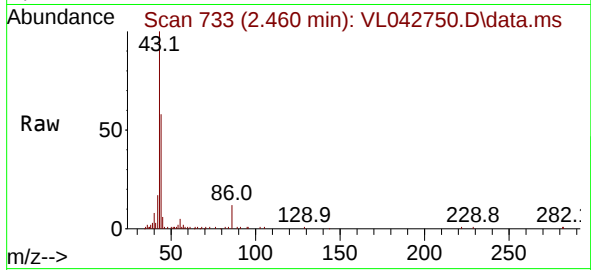
Tgt Ion: 96 Resp: 4186
 Ion Ratio Lower Upper
 96 100
 61 157.9 142.3 213.5
 98 66.4 50.6 76.0





#23
 Vinyl Acetate
 Concen: 0.491 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. 0.000 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

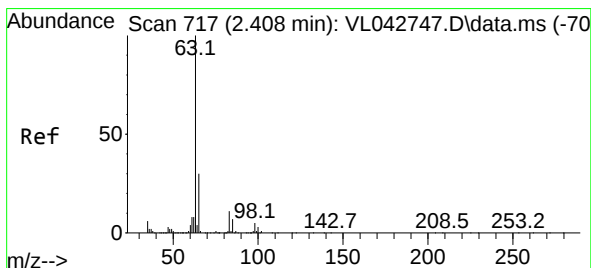
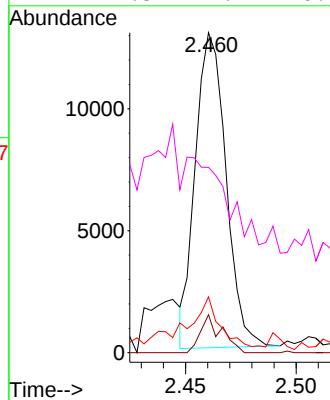
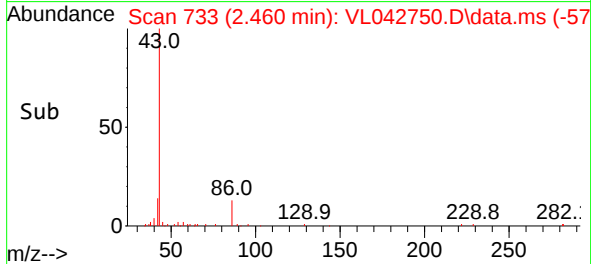
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



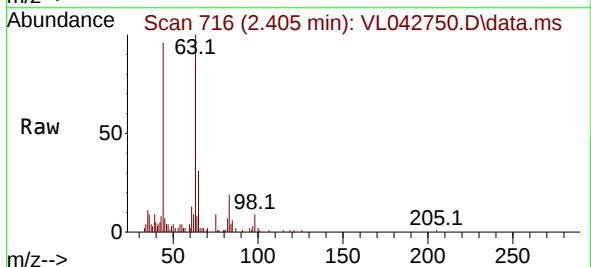
Tgt Ion: 43 Resp: 1242
 Ion Ratio Lower Upper
 43 100
 86 12.1 6.1 9.1#
 42 13.5 7.8 11.8#
 44 27.5 4.4 6.6#

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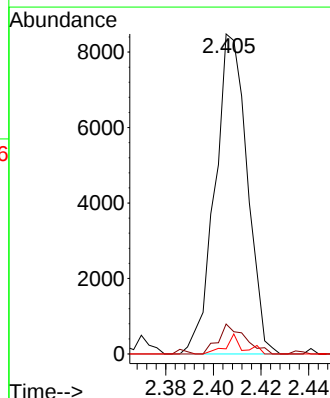
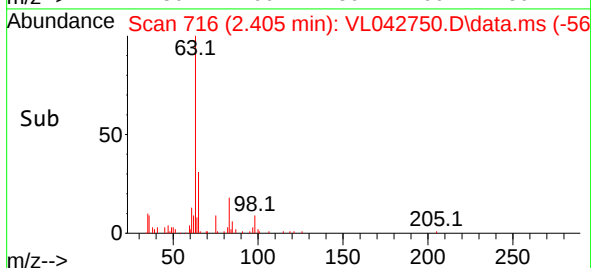
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

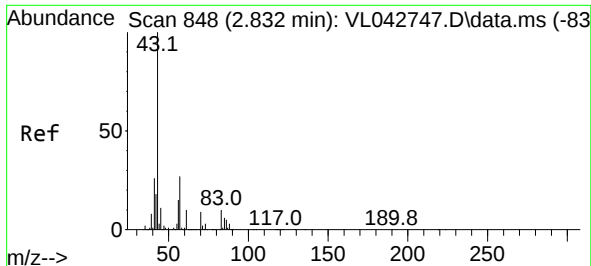


#24
 1,1-Dichloroethane
 Concen: 0.509 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42



Tgt Ion: 63 Resp: 7962
 Ion Ratio Lower Upper
 63 100
 98 9.4 2.5 7.4#
 100 2.8 1.6 4.8





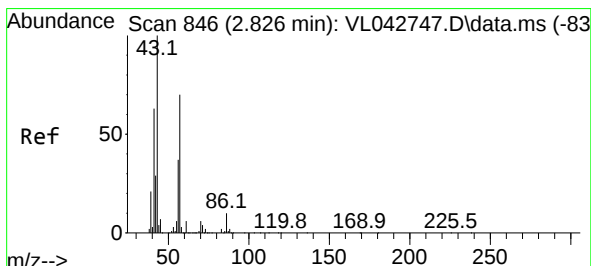
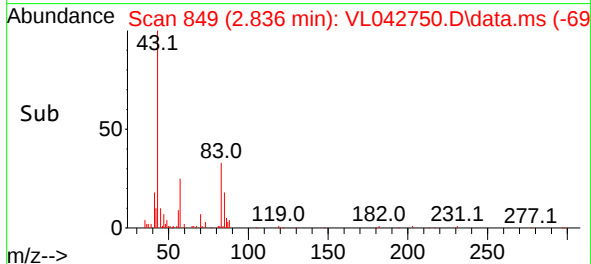
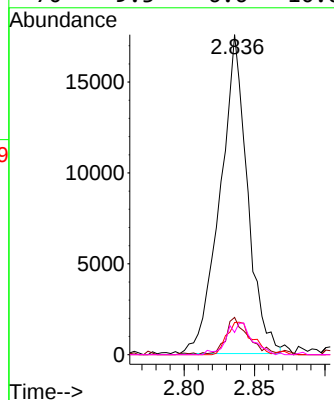
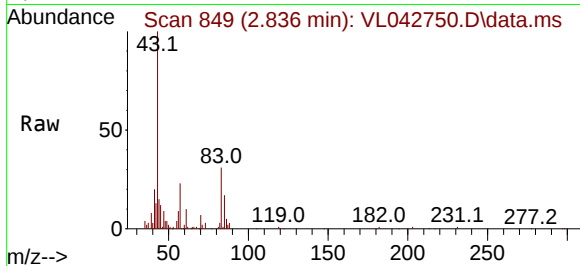
#25
Ethyl Acetate
Concen: 0.511 ppbv
RT: 2.836 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 23632
Ion Ratio Lower Upper
43 100
45 10.4 7.8 11.6
61 9.8 6.7 10.1
70 9.3 6.6 10.0

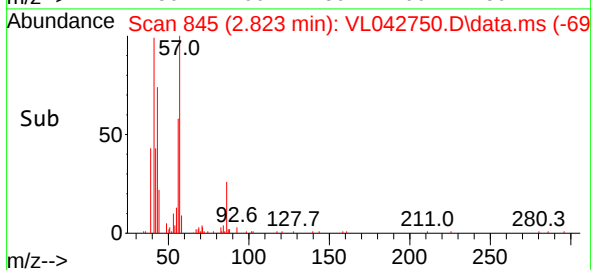
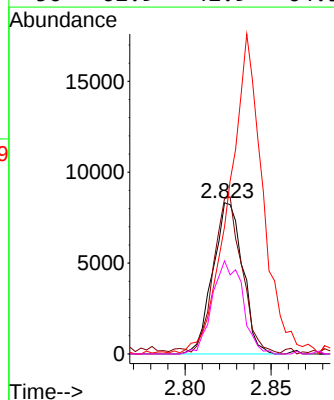
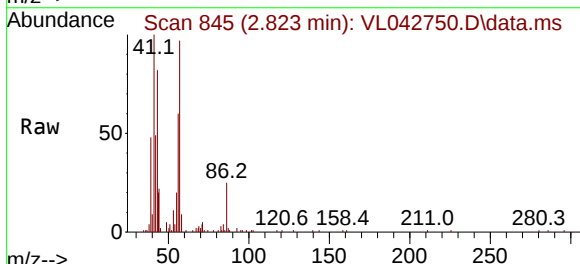
Manual Integrations
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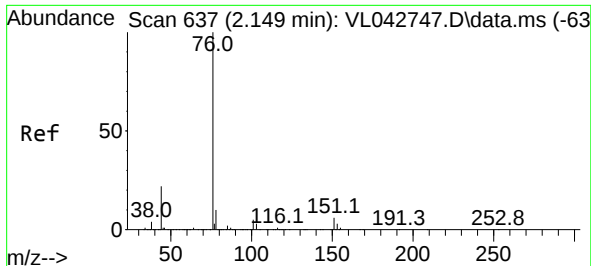
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#26
Hexane
Concen: 0.494 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 57 Resp: 10019
Ion Ratio Lower Upper
57 100
41 107.1 75.4 113.2
43 244.9 185.0 277.6
56 62.9 42.9 64.3





#27

Carbon Disulfide

Concen: 0.499 ppbv

RT: 2.150 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL042750.D

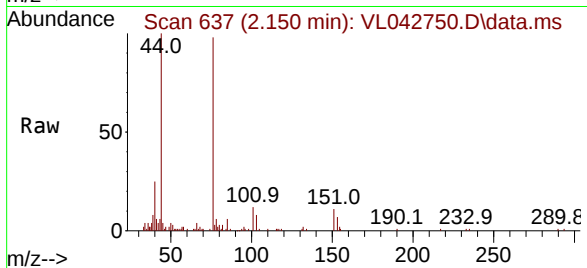
Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

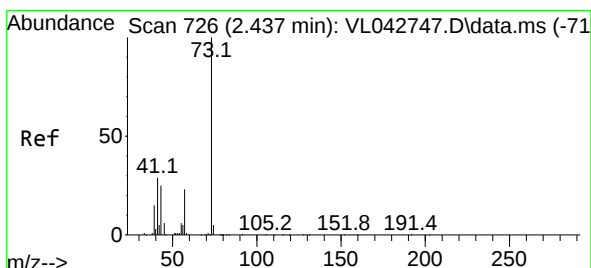
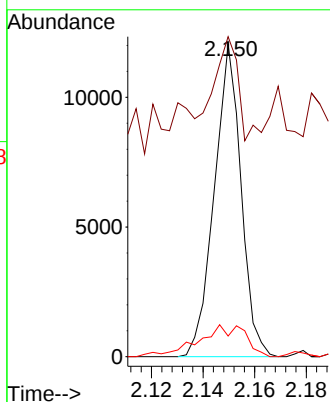
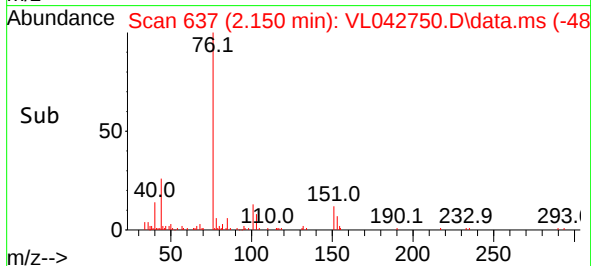


Tgt Ion: 76	Resp: 8670
Ion Ratio	Lower Upper
76	100
44	203.7 19.3 28.9
78	19.1 9.9 14.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#28

Methyl tert-Butyl Ether

Concen: 0.515 ppbv

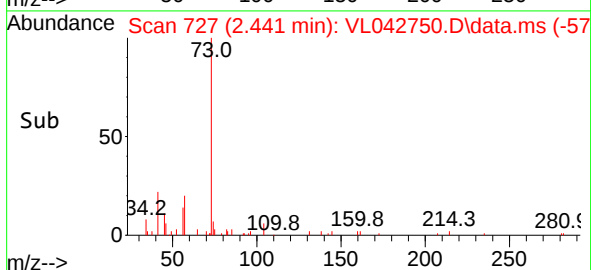
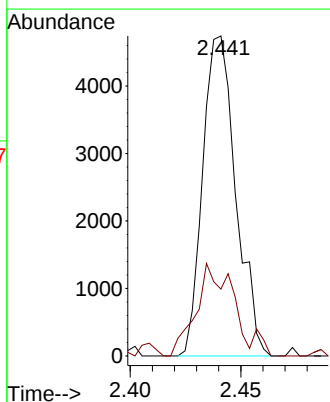
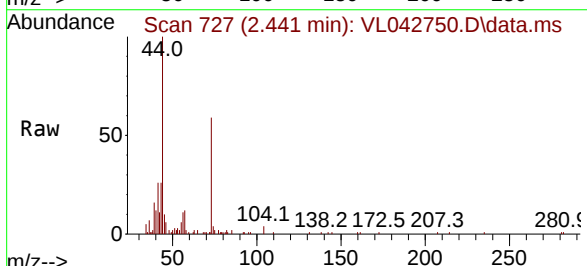
RT: 2.441 min Scan# 727

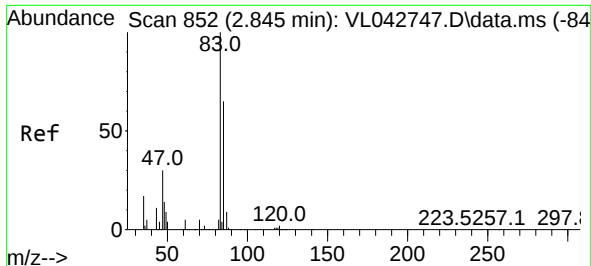
Delta R.T. 0.003 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Tgt Ion: 73	Resp: 4937
Ion Ratio	Lower Upper
73	100
57	35.2 19.8 29.8





#29

Chloroform

Concen: 0.546 ppbv

RT: 2.849 min Scan# 853

Delta R.T. 0.003 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 83 Resp: 17100

Ion Ratio Lower Upper

83 100

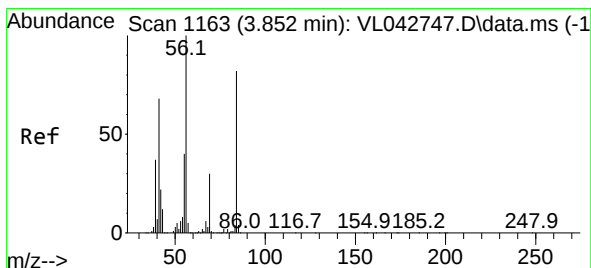
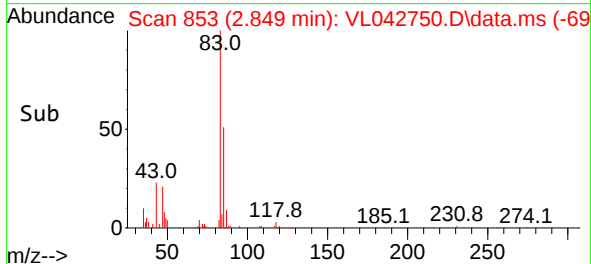
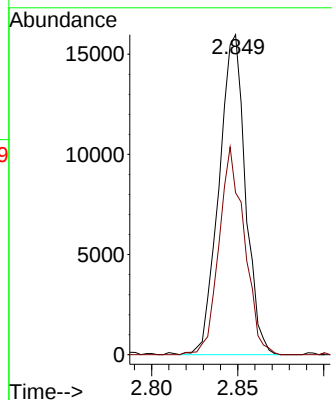
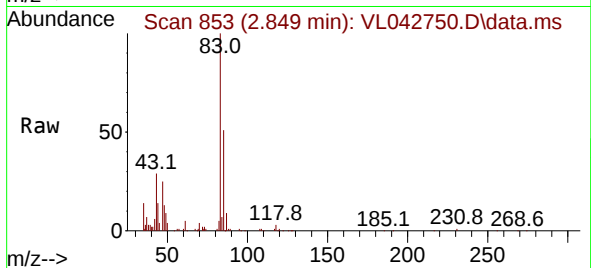
85 50.7 52.2 78.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#30

Cyclohexane

Concen: 0.500 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

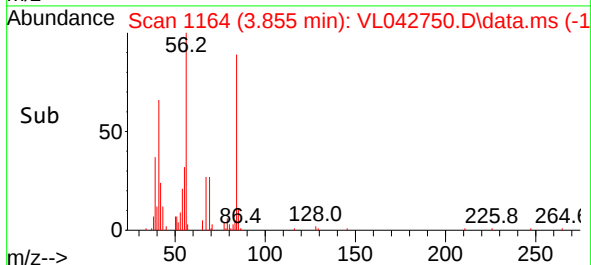
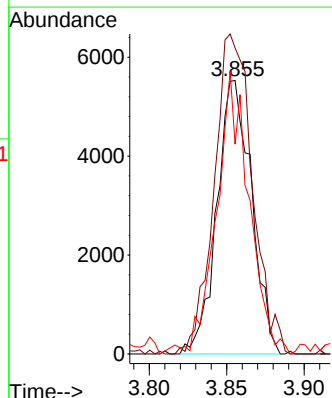
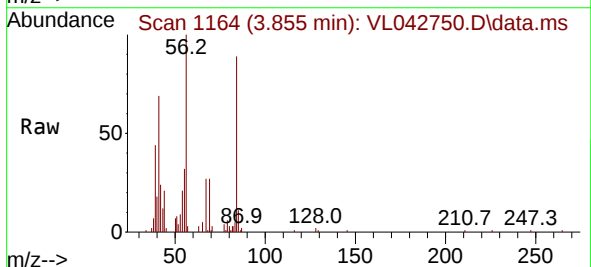
Tgt Ion: 84 Resp: 8596

Ion Ratio Lower Upper

84 100

56 129.6 97.5 146.3

41 98.8 67.2 100.8





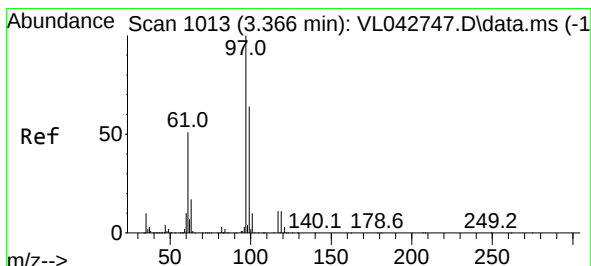
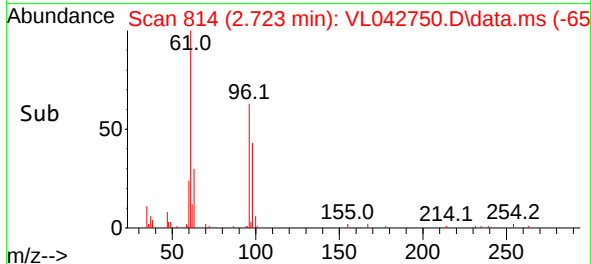
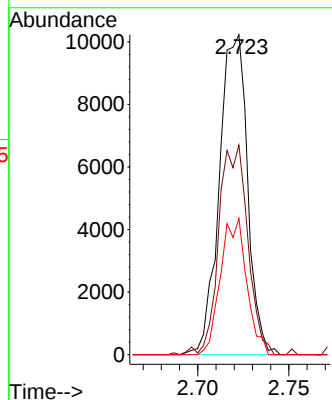
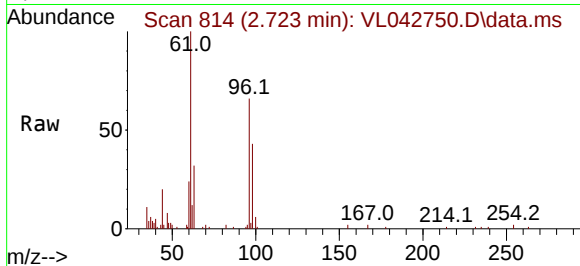
#31
 cis-1,2-Dichloroethene
 Concen: 0.529 ppbv
 RT: 2.723 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 61 Resp: 1103
 Ion Ratio Lower Upper
 61 100
 96 65.5 53.5 80.3
 98 42.6 33.6 50.4

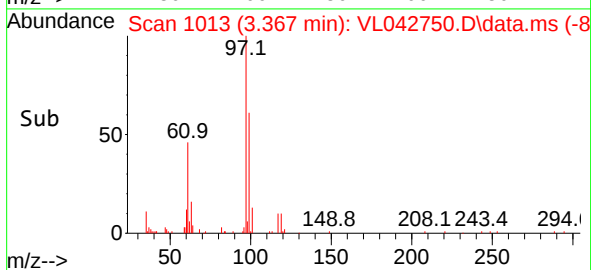
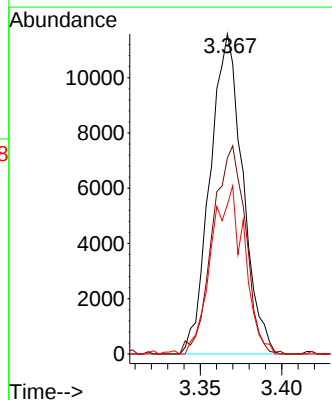
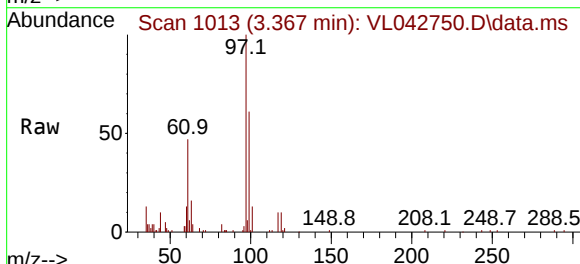
Manual Integrations
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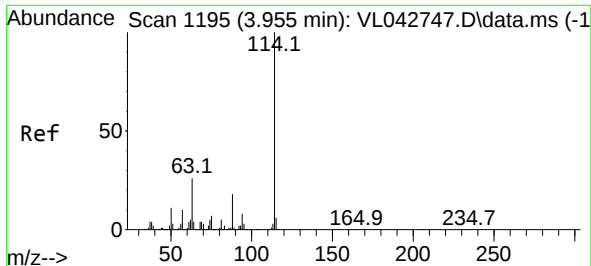
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.494 ppbv
 RT: 3.367 min Scan# 1013
 Delta R.T. 0.000 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

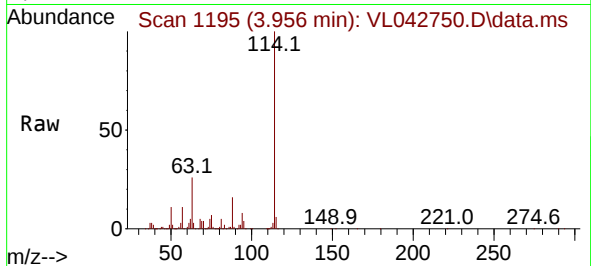
Tgt Ion: 97 Resp: 16132
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.0 76.6
 61 53.8 40.9 61.3





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 1195
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

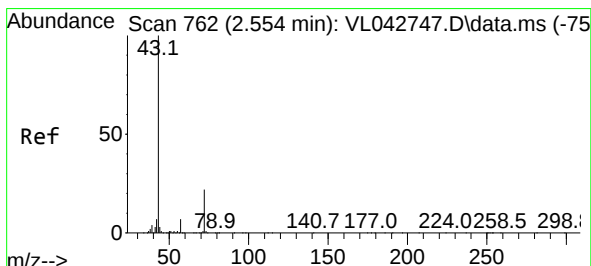
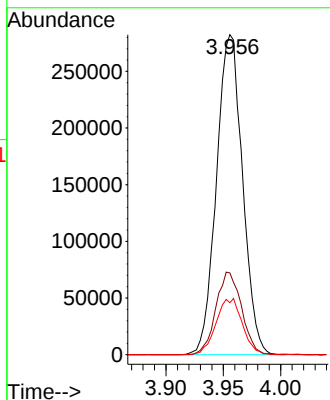
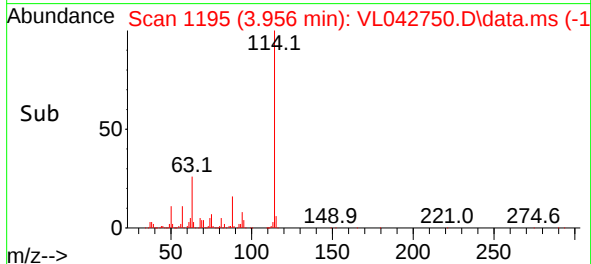
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



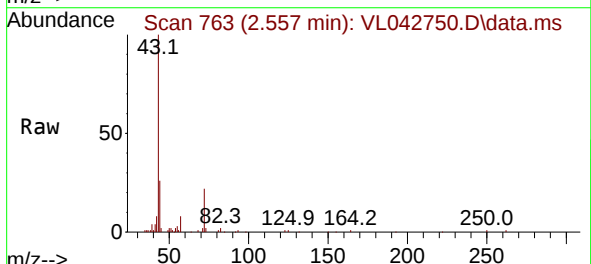
Tgt Ion:114 Resp: 446830
Ion Ratio Lower Upper
114 100
63 25.4 20.5 30.7
88 17.7 14.0 21.0

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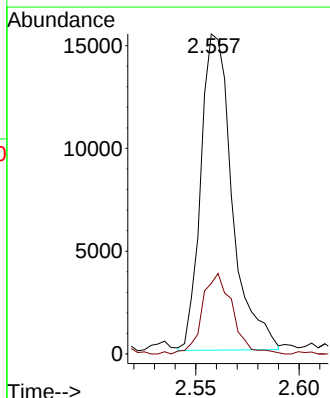
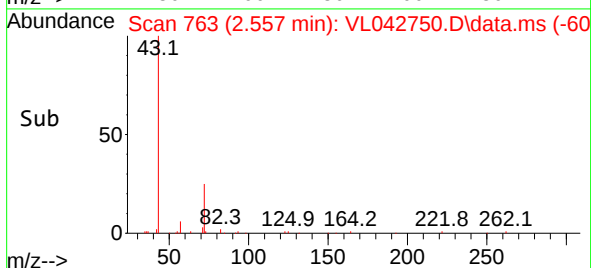
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

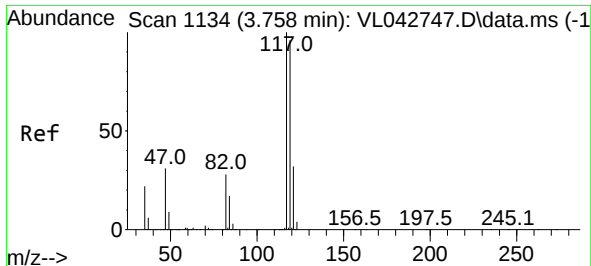


#34
2-Butanone
Concen: 0.515 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42



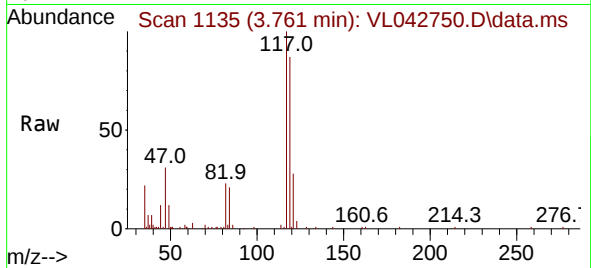
Tgt Ion: 43 Resp: 16299
Ion Ratio Lower Upper
43 100
72 24.6 17.4 26.0





#35
Carbon Tetrachloride
Concen: 0.458 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

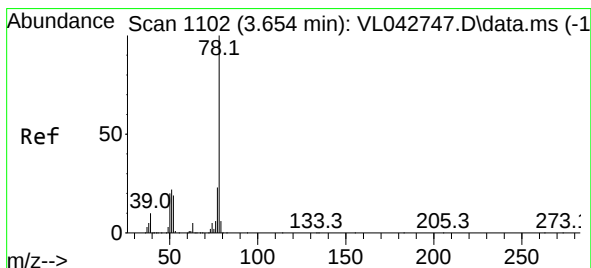
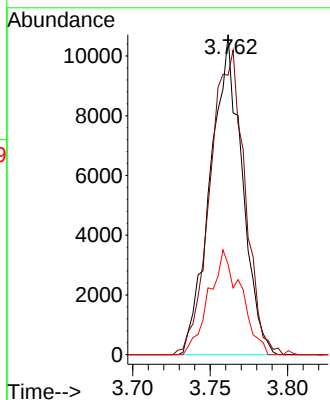
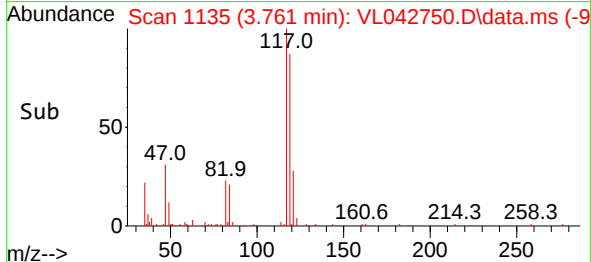
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



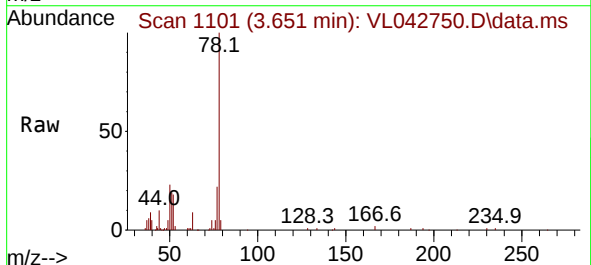
Tgt Ion:117 Resp: 1520
Ion Ratio Lower Upper
117 100
119 86.0 77.1 115.7
121 28.2 25.5 38.3

Manual Integrations
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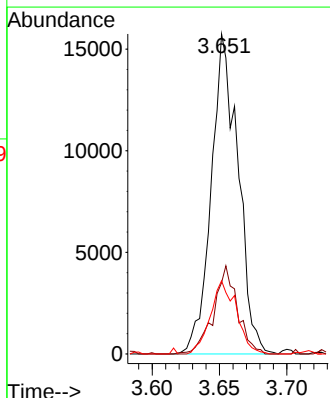
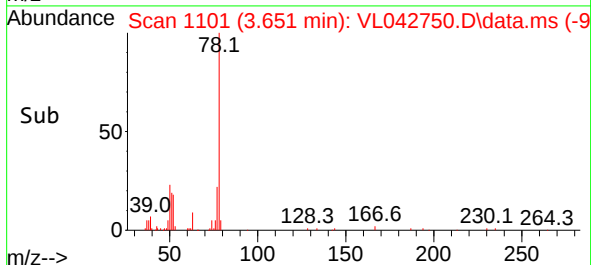
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

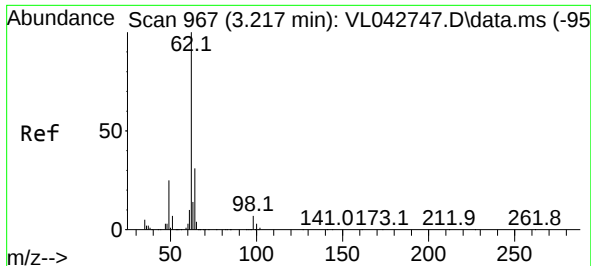


#36
Benzene
Concen: 0.515 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42



Tgt Ion: 78 Resp: 21800
Ion Ratio Lower Upper
78 100
77 22.3 18.5 27.7
50 22.8 16.2 24.2





#37

1,2-Dichloroethane

Concen: 0.521 ppbv

RT: 3.215 min Scan# 9

Delta R.T. -0.003 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 62 Resp: 1329

Ion Ratio Lower Upper

62 100

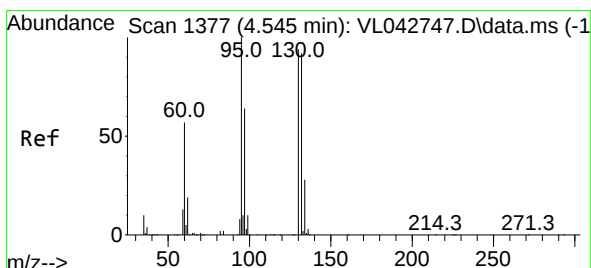
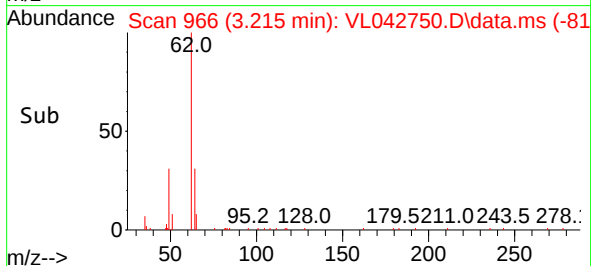
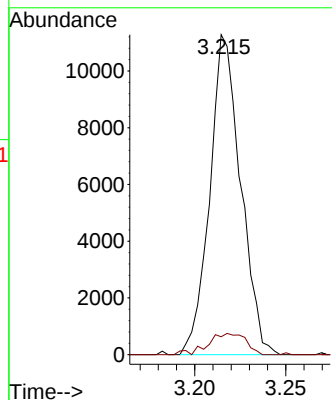
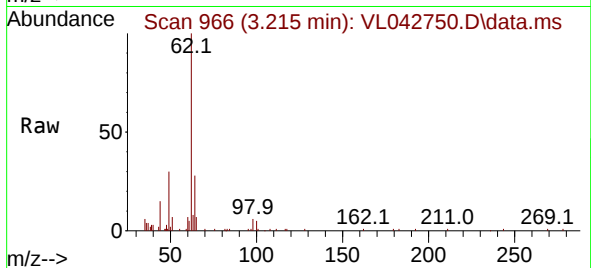
98 8.3 5.2 7.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#38

Trichloroethene

Concen: 0.494 ppbv m

RT: 4.548 min Scan# 1378

Delta R.T. 0.003 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Tgt Ion:130 Resp: 10097

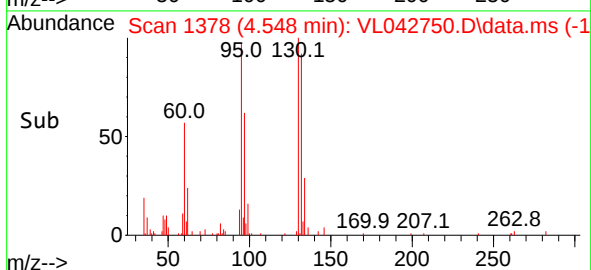
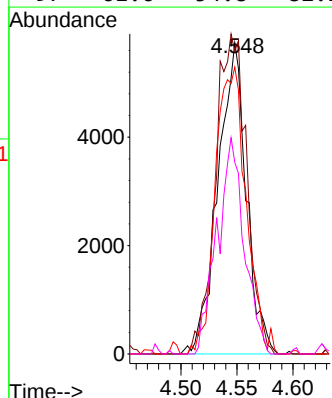
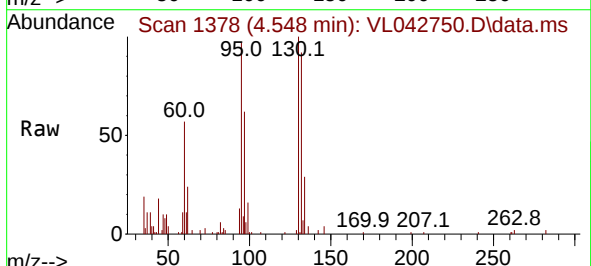
Ion Ratio Lower Upper

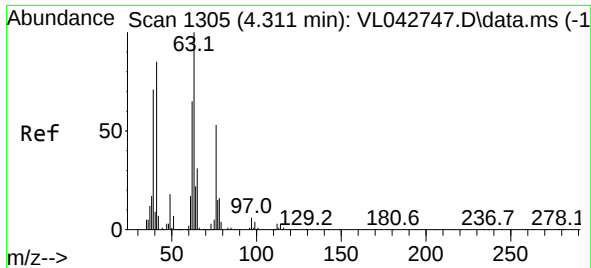
130 100

95 97.3 85.4 128.2

132 92.1 78.2 117.2

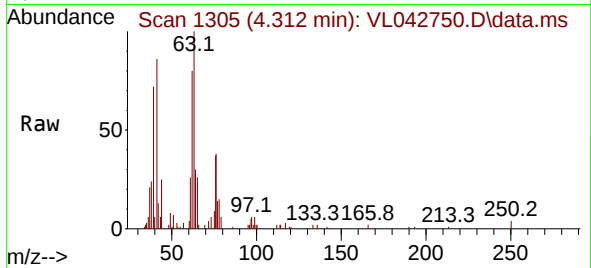
97 61.6 54.8 82.2





#39
1,2-Dichloropropane
Concen: 0.530 ppbv
RT: 4.312 min Scan# 1305
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

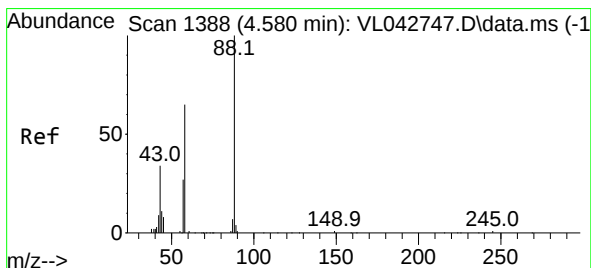
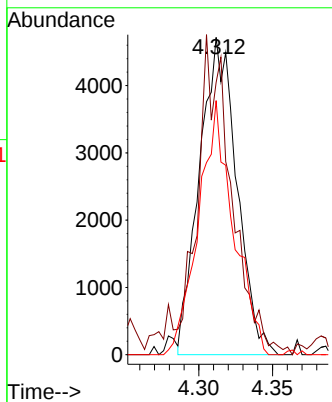
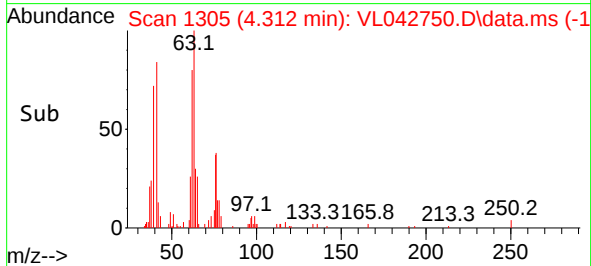
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 63 Resp: 829
Ion Ratio Lower Upper
63 100
41 83.1 68.2 102.4
62 80.1 52.0 78.0

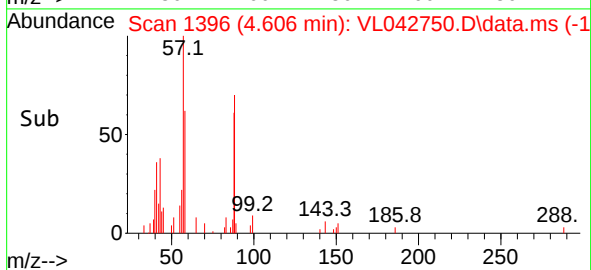
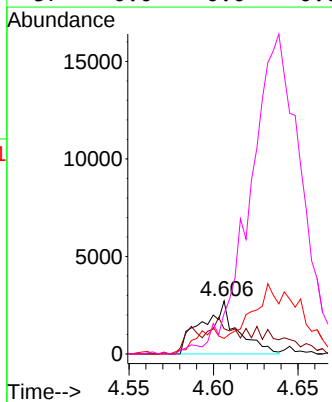
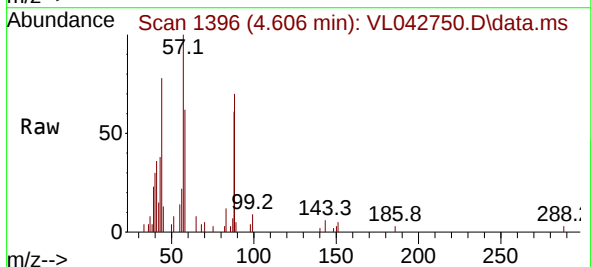
Manual Integrations
APPROVED

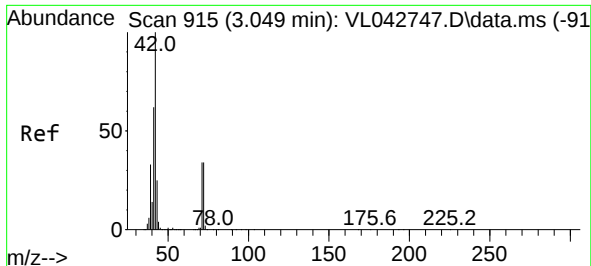
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#40
1,4-Dioxane
Concen: 0.538 ppbv m
RT: 4.606 min Scan# 1396
Delta R.T. 0.026 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

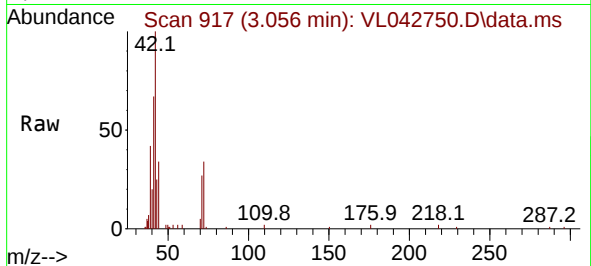
Tgt Ion: 88 Resp: 3963
Ion Ratio Lower Upper
88 100
58 0.0 58.8 88.2#
43 0.0 28.9 43.3#
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 0.507 ppbv m
RT: 3.056 min Scan# 915
Delta R.T. 0.007 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

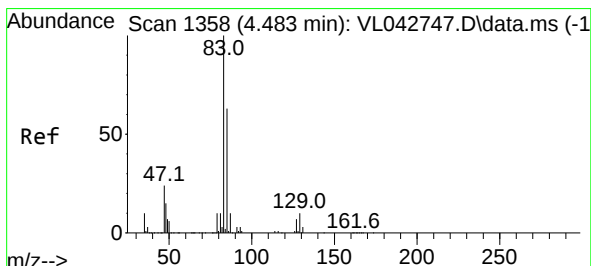
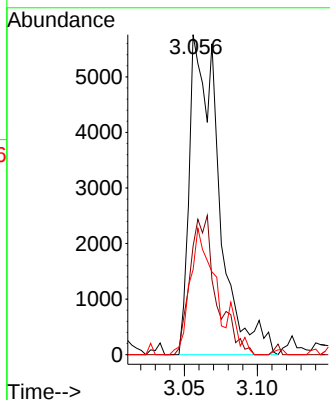
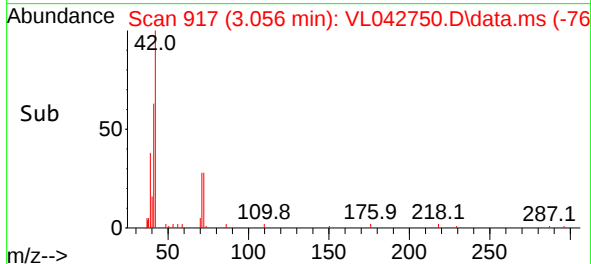
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



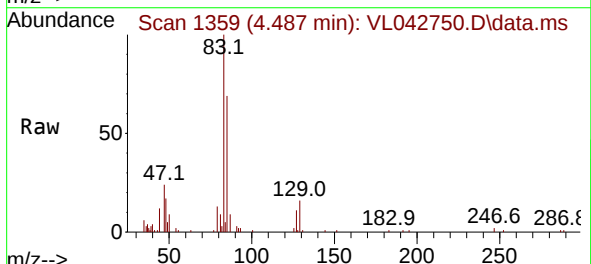
Tgt Ion: 42 Resp: 8064
Ion Ratio Lower Upper
42 100
72 0.0 30.9 46.3
71 37.6 28.6 43.0

Manual Integrations
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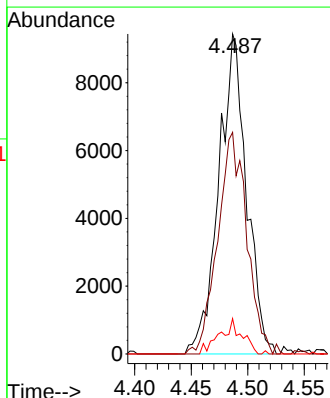
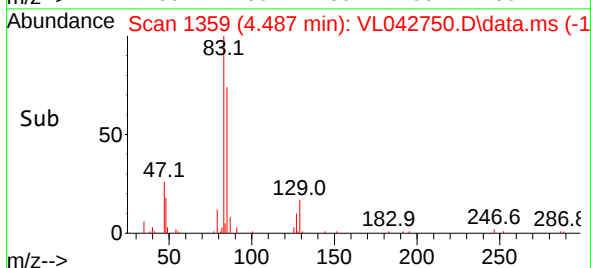
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

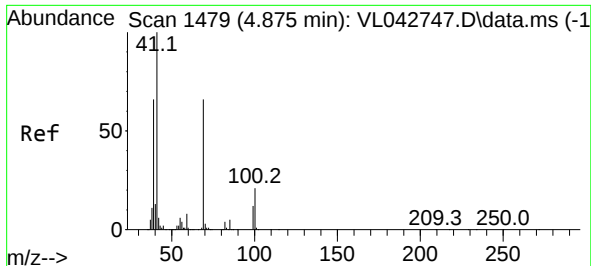


#42
Bromodichloromethane
Concen: 0.484 ppbv m
RT: 4.487 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42



Tgt Ion: 83 Resp: 16080
Ion Ratio Lower Upper
83 100
85 69.3 50.2 75.4
127 11.1 5.4 8.2#





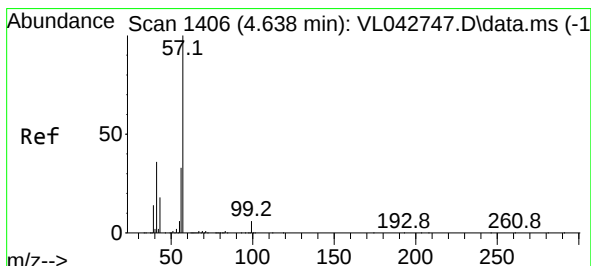
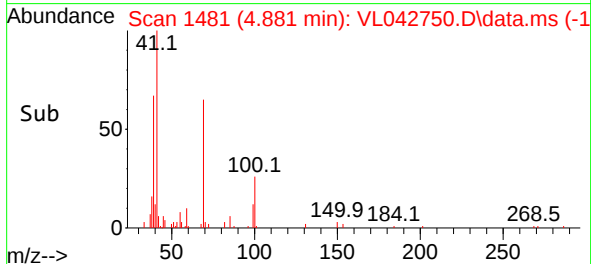
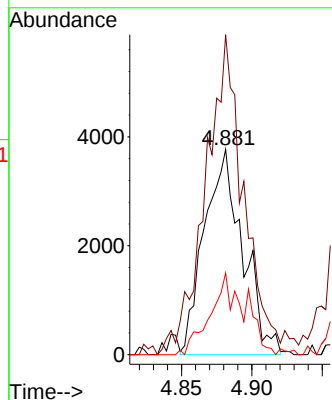
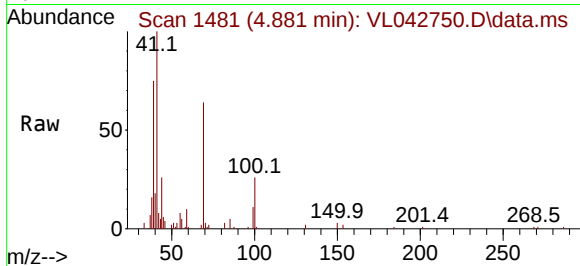
#43
Methyl Methacrylate
Concen: 0.476 ppbv
RT: 4.881 min Scan# 1479
Delta R.T. 0.007 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 69 Resp: 7162
Ion Ratio Lower Upper
69 100
41 155.0 125.7 188.5
100 36.5 28.6 42.8

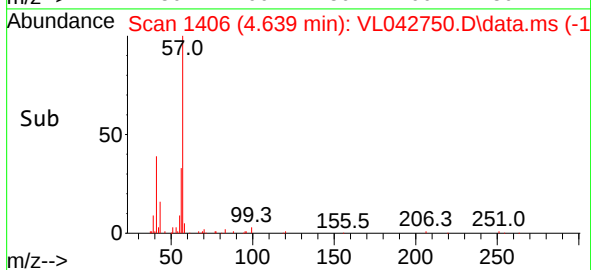
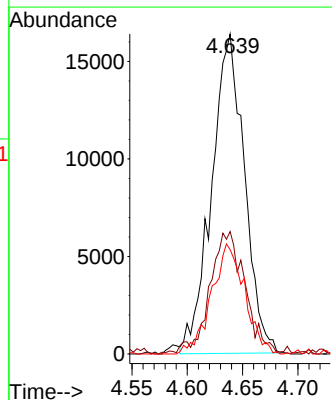
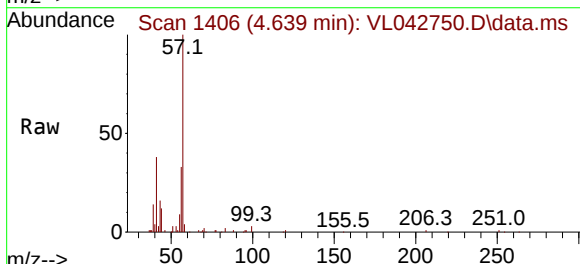
Manual Integrations
APPROVED

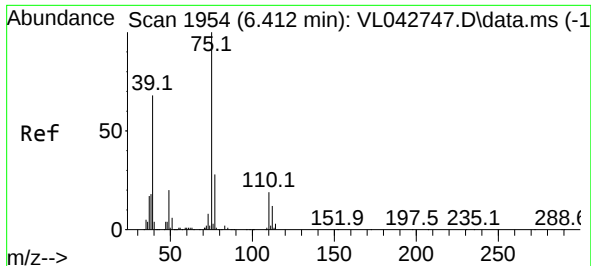
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#44
2,2,4-Trimethylpentane
Concen: 0.490 ppbv
RT: 4.639 min Scan# 1406
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 57 Resp: 33853
Ion Ratio Lower Upper
57 100
41 41.3 28.3 42.5
56 34.7 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 0.472 ppbv m

RT: 6.412 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 75 Resp: 7968

Ion Ratio Lower Upper

75 100

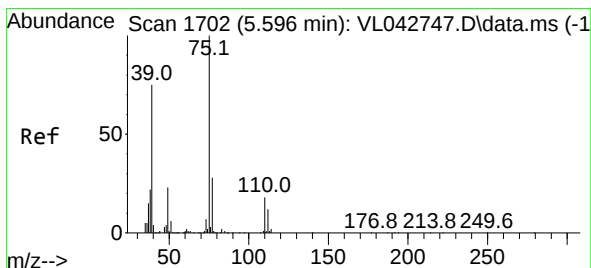
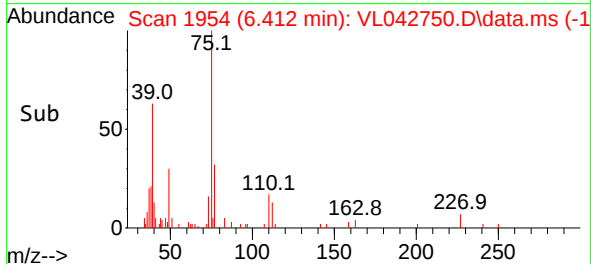
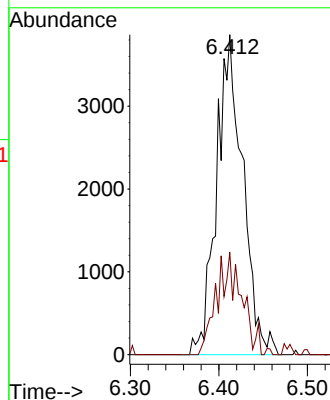
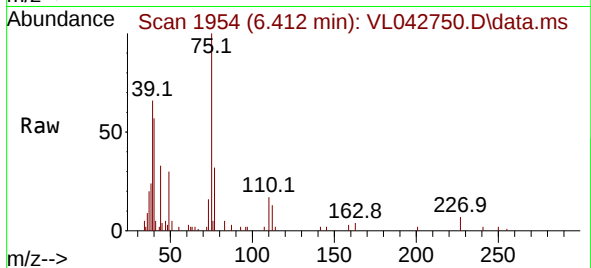
77 32.0 22.4 33.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#46

cis-1,3-Dichloropropene

Concen: 0.454 ppbv m

RT: 5.593 min Scan# 1701

Delta R.T. -0.003 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

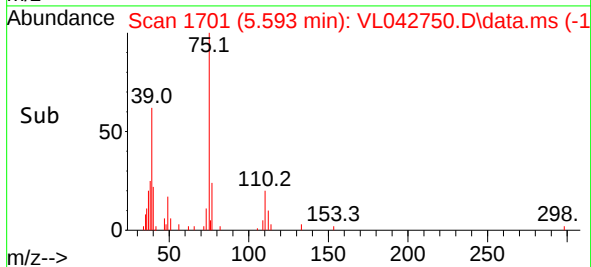
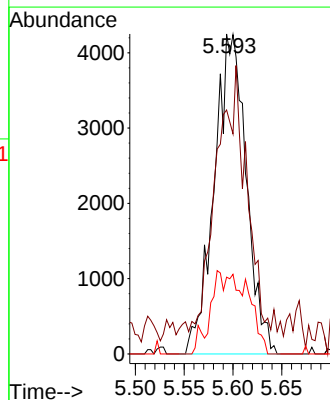
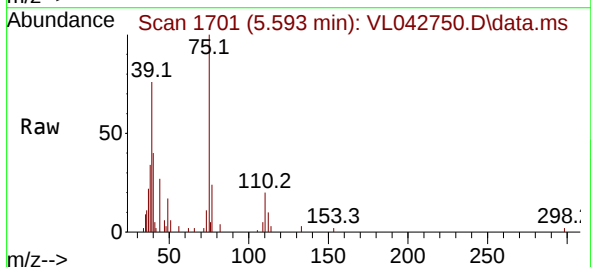
Tgt Ion: 75 Resp: 9709

Ion Ratio Lower Upper

75 100

39 76.3 60.2 90.2

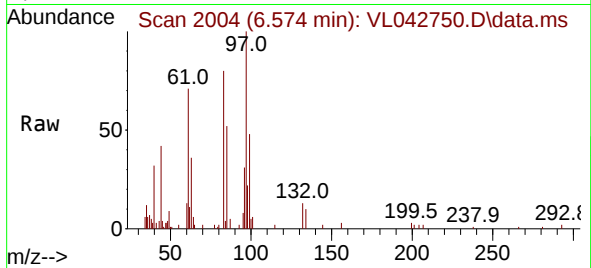
77 24.0 22.6 34.0





#47
1,1,2-Trichloroethane
Concen: 0.527 ppbv m
RT: 6.574 min Scan# 2006
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

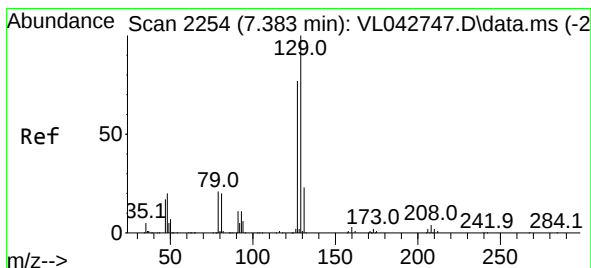
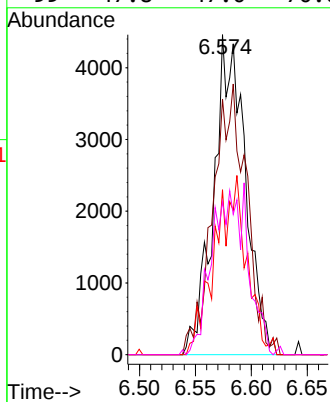
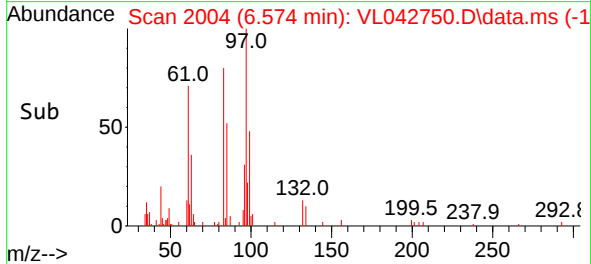
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.9	71.1	106.7
85	51.6	43.0	64.4
99	47.8	47.0	70.6

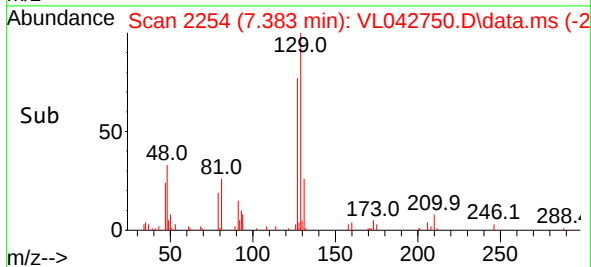
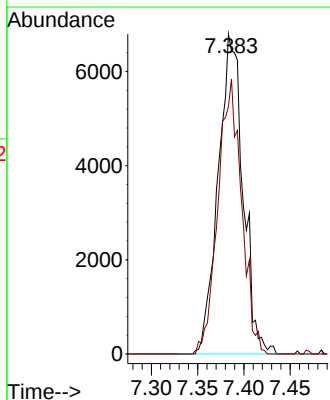
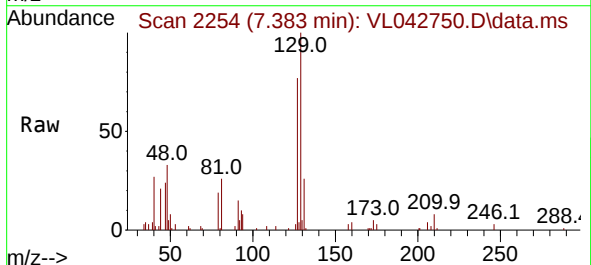
Manual Integrations
APPROVED

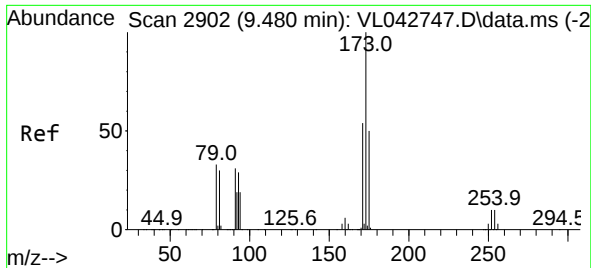
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#48
Dibromochloromethane
Concen: 0.481 ppbv m
RT: 7.383 min Scan# 2254
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.4	38.7	116.1





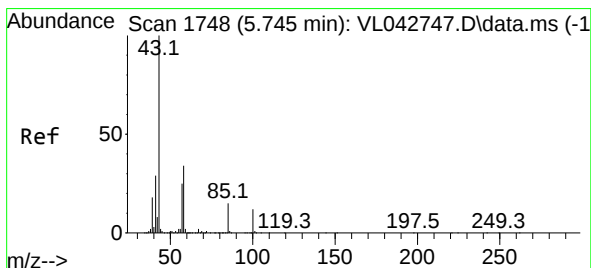
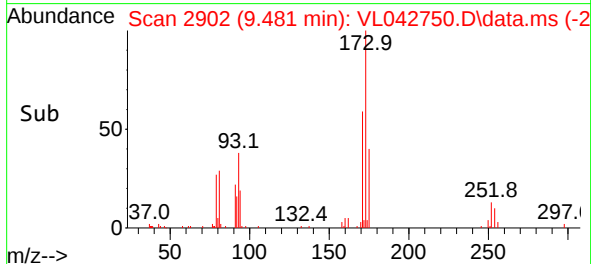
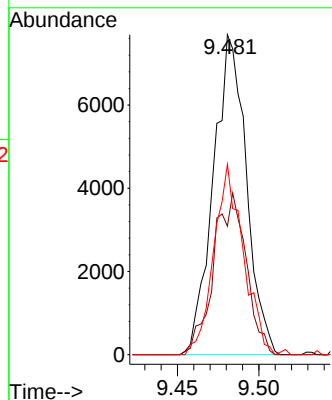
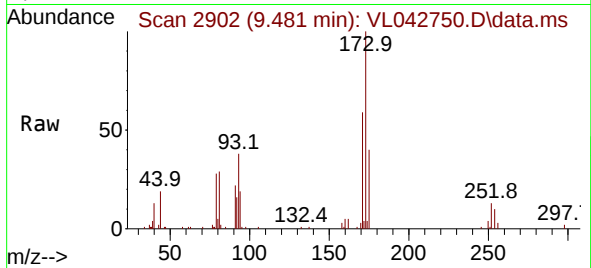
#49
Bromoform
Concen: 0.468 ppbv
RT: 9.481 min Scan# 2902
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:173 Resp: 1080
Ion Ratio Lower Upper
173 100
175 50.1 38.4 57.6
171 53.7 40.9 61.3

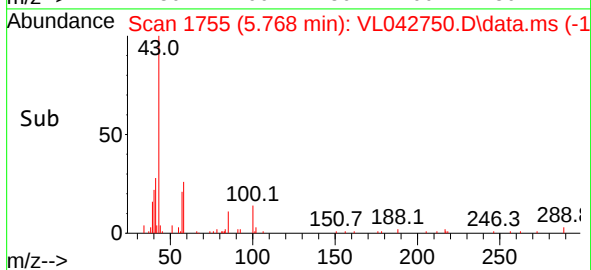
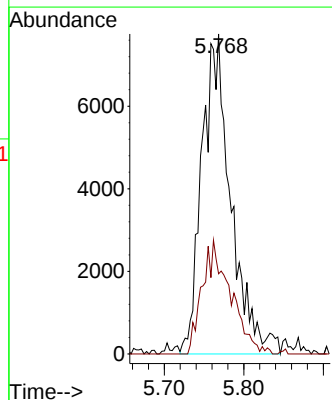
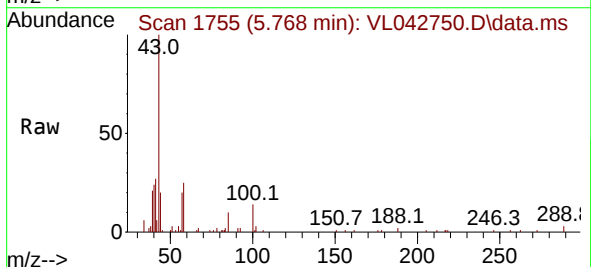
Manual Integrations
APPROVED

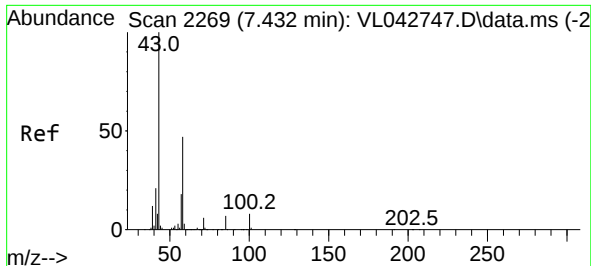
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#50
4-Methyl-2-Pentanone
Concen: 0.486 ppbv m
RT: 5.768 min Scan# 1755
Delta R.T. 0.023 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 19575
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#





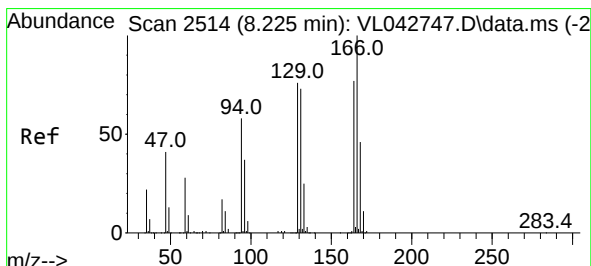
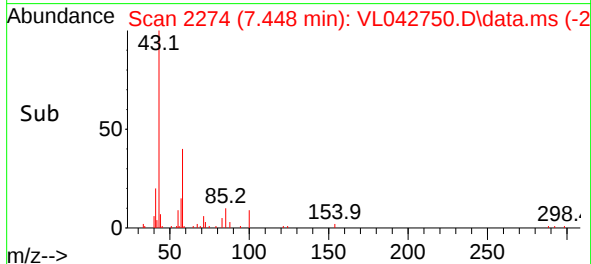
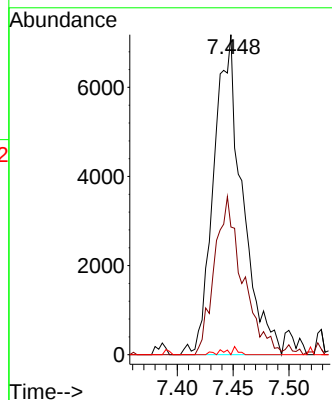
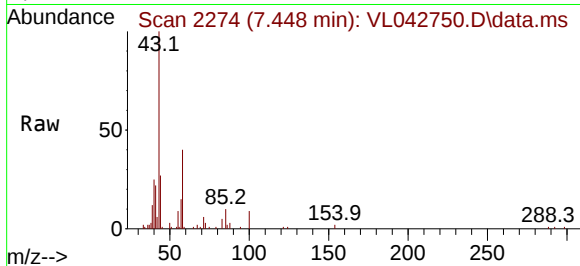
#51
2-Hexanone
Concen: 0.416 ppbv m
RT: 7.448 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 1281
Ion Ratio Lower Upper
43 100
58 0.0 38.0 57.0
98 0.0 0.2 0.4

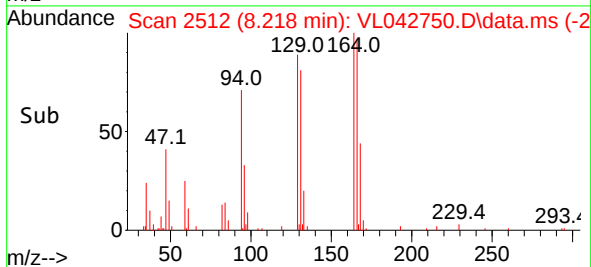
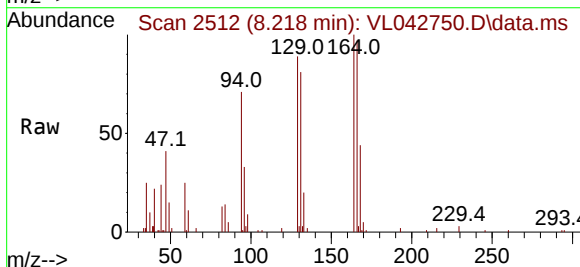
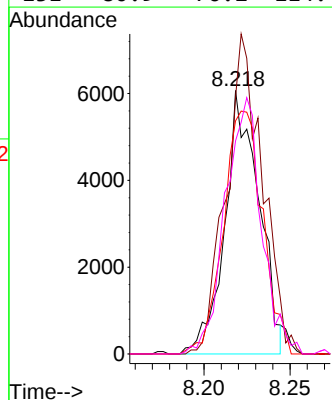
Manual Integrations
APPROVED

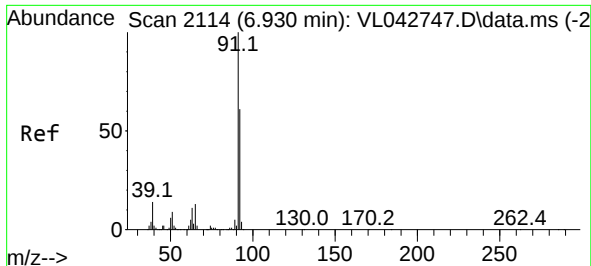
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#52
Tetrachloroethene
Concen: 0.475 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:164 Resp: 8359
Ion Ratio Lower Upper
164 100
166 97.5 104.0 156.0
129 88.5 79.2 118.8
131 80.9 76.2 114.4





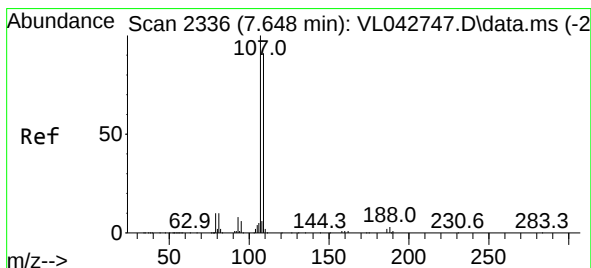
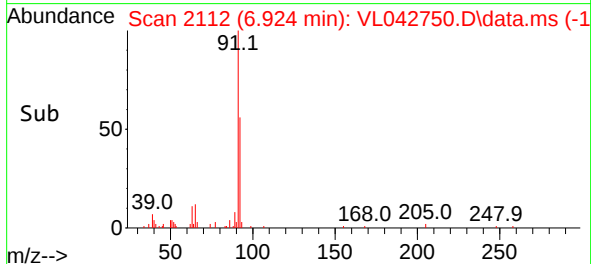
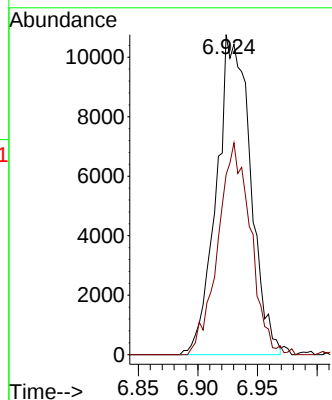
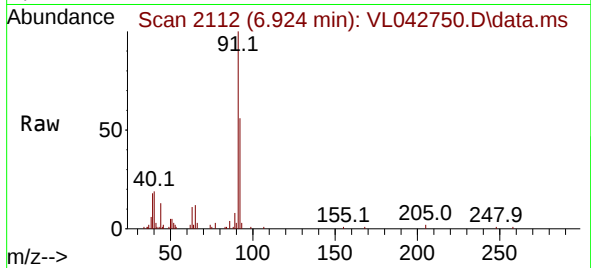
#53
Toluene
Concen: 0.469 ppbv
RT: 6.924 min Scan# 2112
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 21324
Ion Ratio Lower Upper
91 100
92 63.9 48.0 72.0

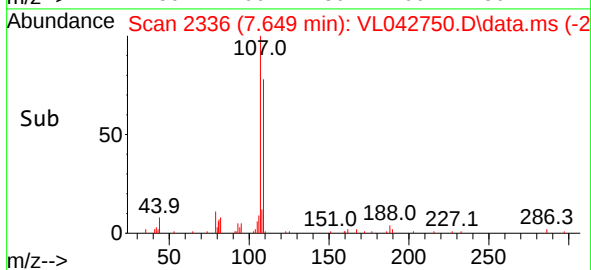
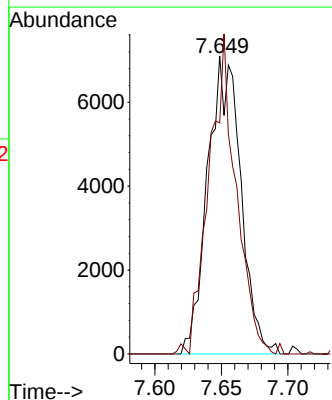
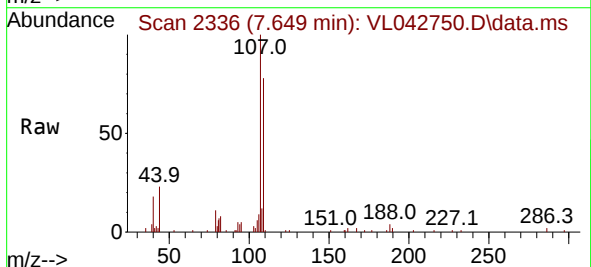
Manual Integrations
APPROVED

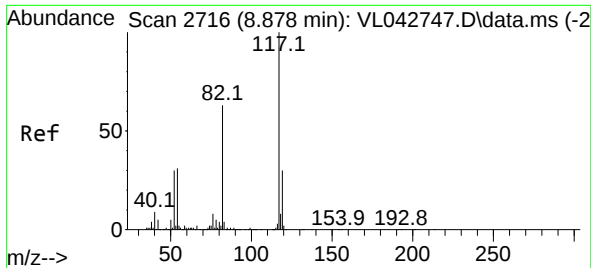
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#54
1,2-Dibromoethane
Concen: 0.521 ppbv m
RT: 7.649 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

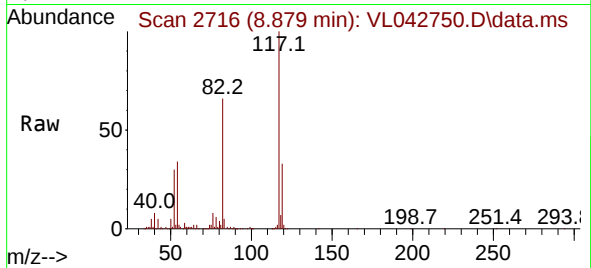
Tgt Ion:107 Resp: 12294
Ion Ratio Lower Upper
107 100
109 77.5 72.7 109.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2716
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

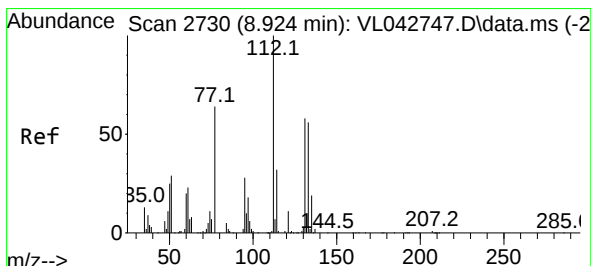
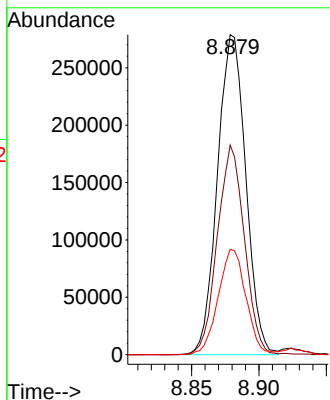
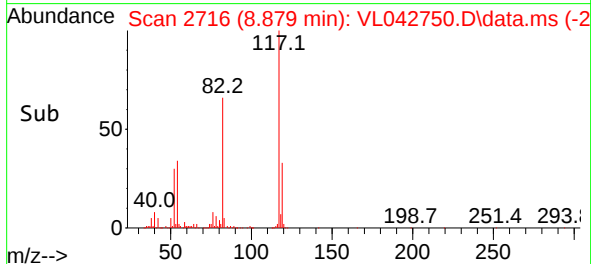
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



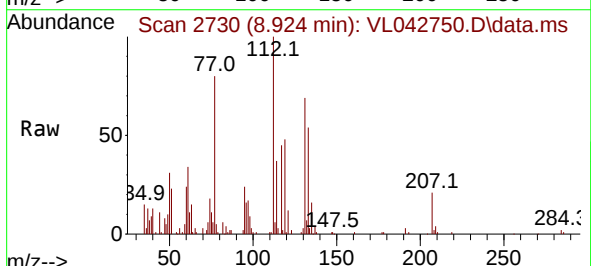
Tgt Ion:117 Resp: 408620
Ion Ratio Lower Upper
117 100
82 62.7 53.3 79.9
119 32.3 25.8 38.6

Manual Integrations
APPROVED

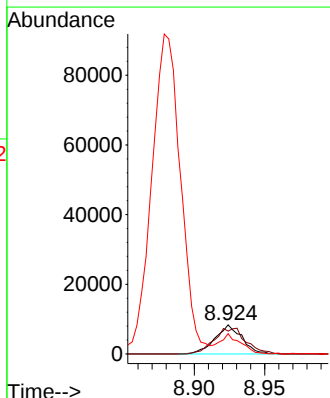
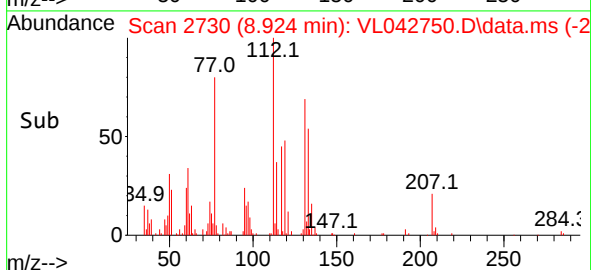
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

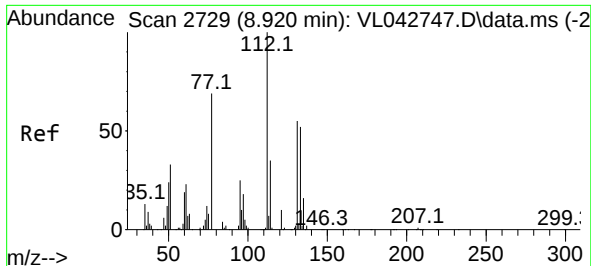


#56
1,1,1,2-Tetrachloroethane
Concen: 0.527 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42



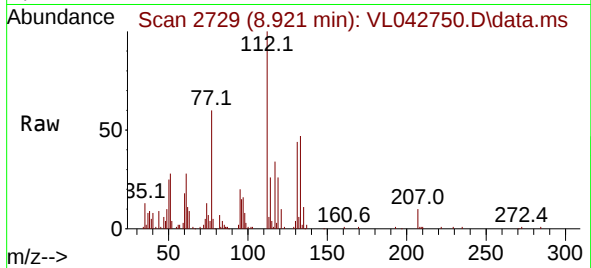
Tgt Ion:131 Resp: 11191
Ion Ratio Lower Upper
131 100
133 104.0 76.8 115.2
119 1231.3 49.7 74.5#





#57
Chlorobenzene
Concen: 0.527 ppbv
RT: 8.921 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

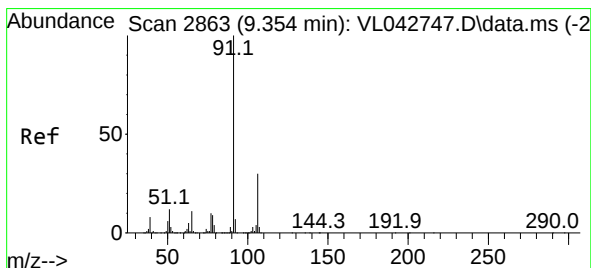
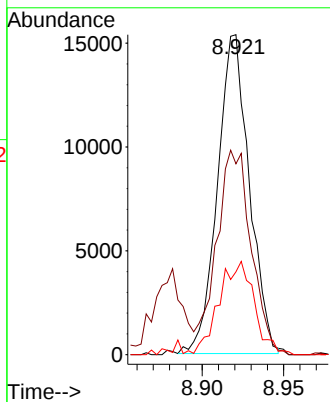
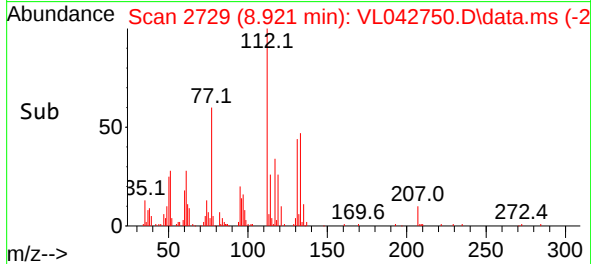
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:112 Resp: 20828
Ion Ratio Lower Upper
112 100
77 58.4 56.4 84.6
114 23.8 31.2 38.2

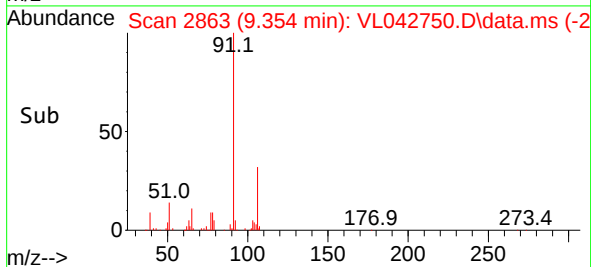
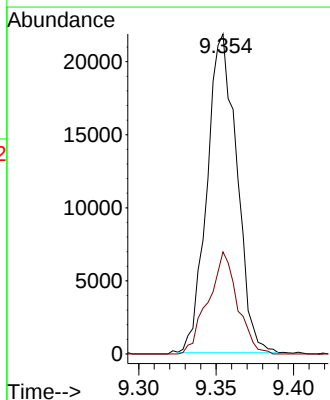
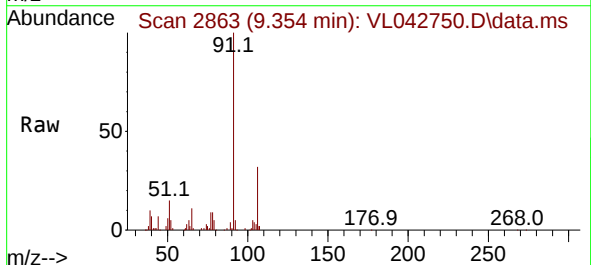
Manual Integrations
APPROVED

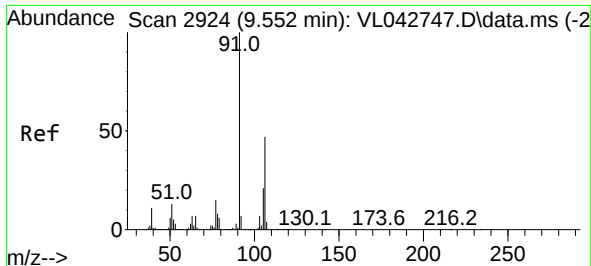
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#58
Ethyl Benzene
Concen: 0.451 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 29134
Ion Ratio Lower Upper
91 100
106 32.0 23.8 35.6





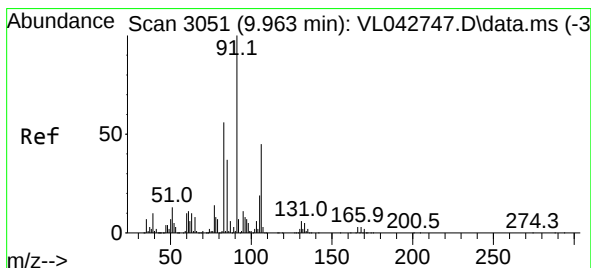
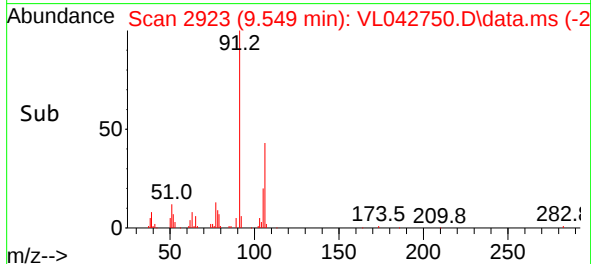
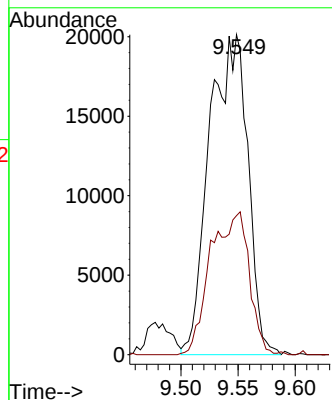
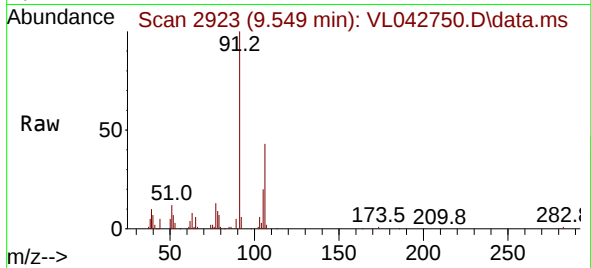
#59
m/p-Xylene
Concen: 0.912 ppbv m
RT: 9.549 min Scan# 2924
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 47028
Ion Ratio Lower Upper
91 100
106 44.9 37.4 56.2

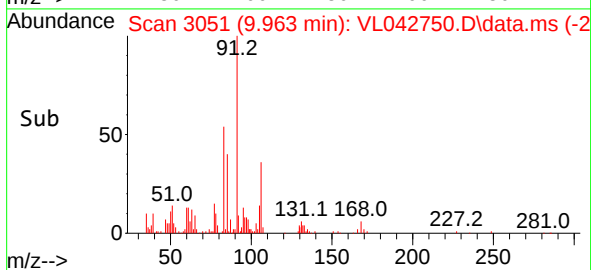
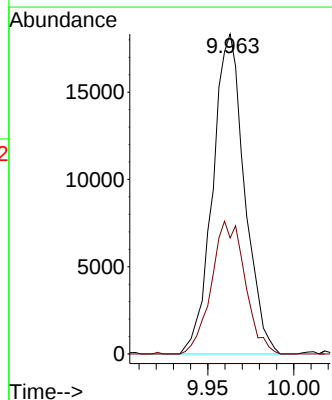
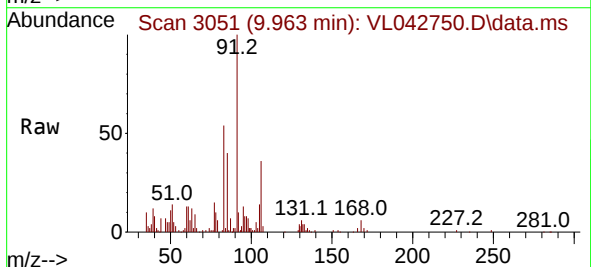
Manual Integrations
APPROVED

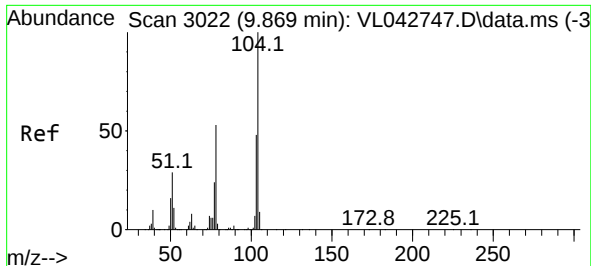
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#60
o-Xylene
Concen: 0.458 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 23603
Ion Ratio Lower Upper
91 100
106 43.8 22.0 66.0





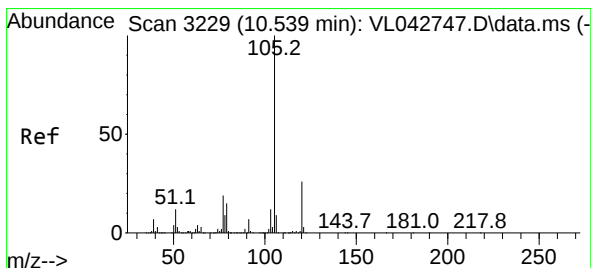
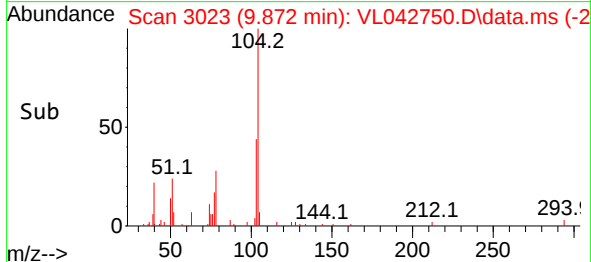
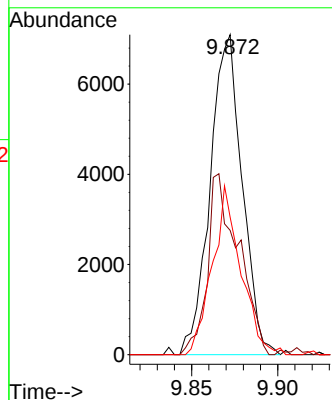
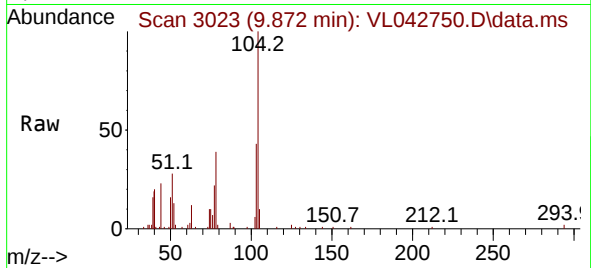
#61
Styrene
Concen: 0.424 ppbv
RT: 9.872 min Scan# 3022
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:104 Resp: 919
Ion Ratio Lower Upper
104 100
78 55.8 41.5 62.3
103 47.0 37.5 56.3

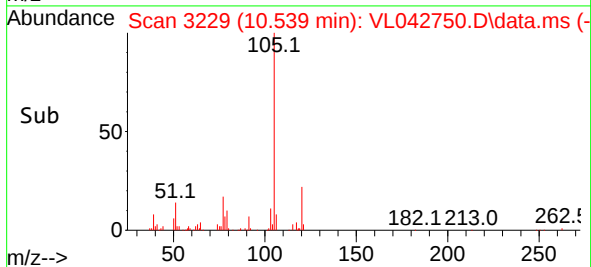
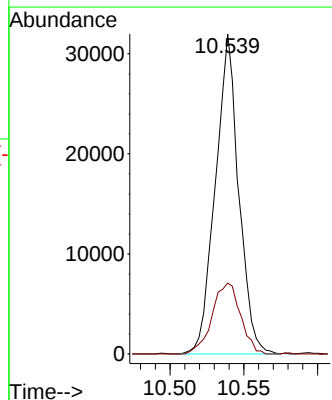
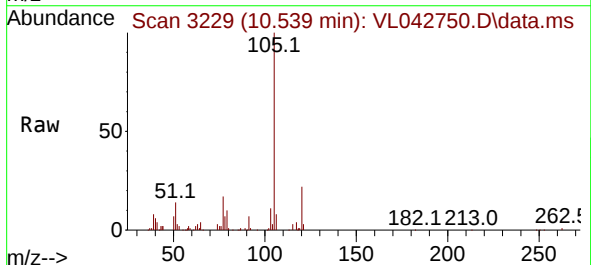
Manual Integrations
APPROVED

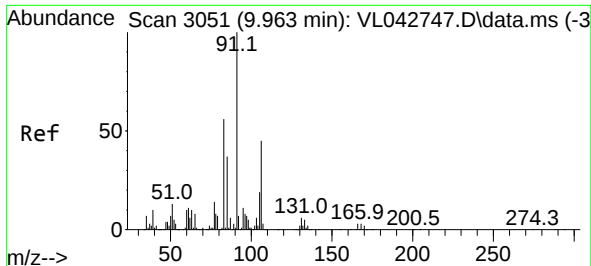
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#62
Isopropylbenzene
Concen: 0.463 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

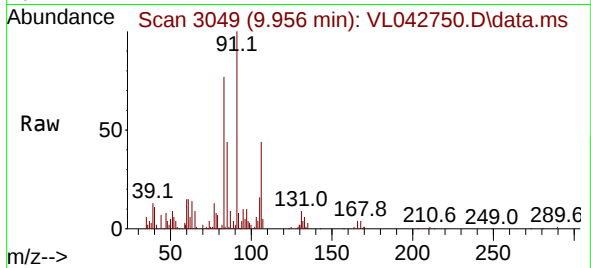
Tgt Ion:105 Resp: 35189
Ion Ratio Lower Upper
105 100
120 26.9 20.5 30.7





#63
1,1,2,2-Tetrachloroethane
Concen: 0.463 ppbv
RT: 9.956 min Scan# 3051
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

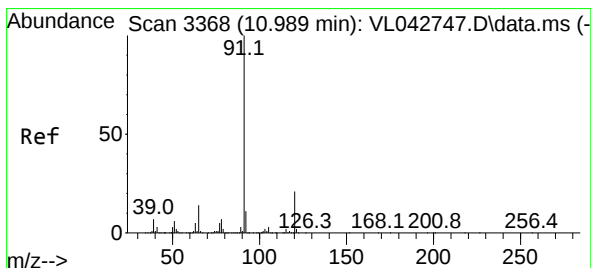
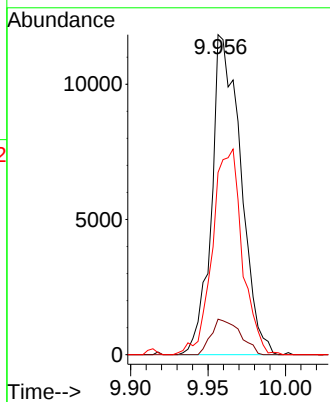
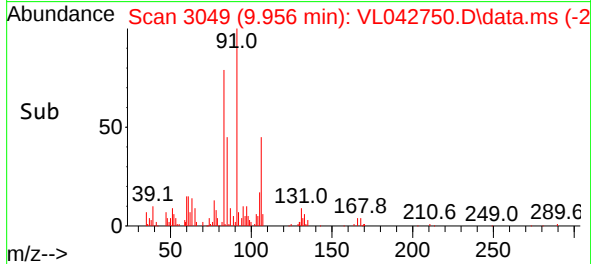
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 83 Resp: 1554
Ion Ratio Lower Upper
83 100
131 11.0 5.0 15.0
85 66.1 32.6 97.7

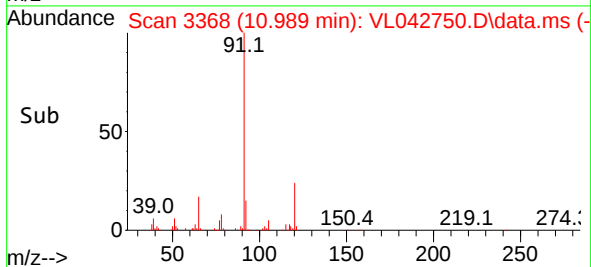
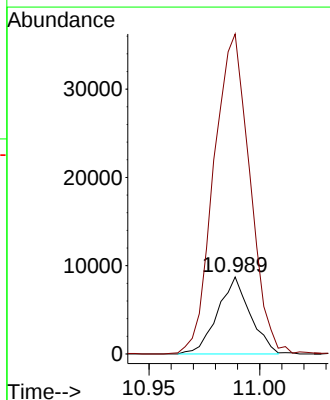
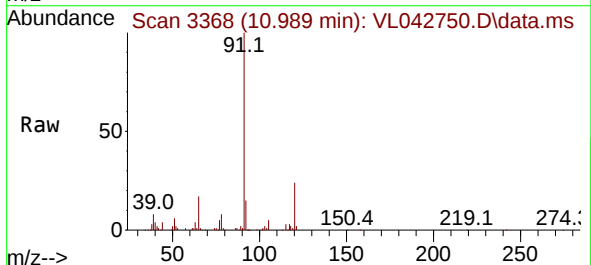
Manual Integrations
APPROVED

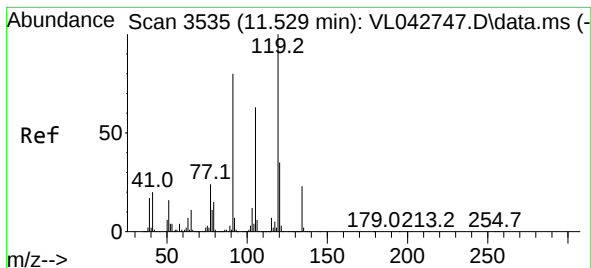
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#64
n-propylbenzene
Concen: 0.450 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:120 Resp: 8924
Ion Ratio Lower Upper
120 100
91 464.1 372.7 559.1





#65
tert-Butylbenzene
Concen: 0.453 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

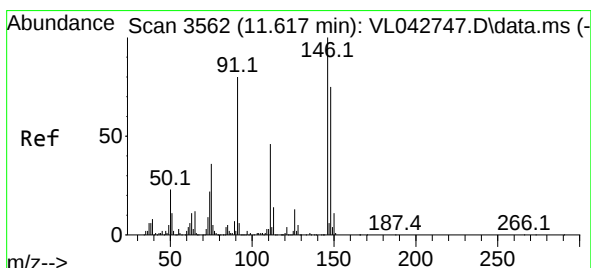
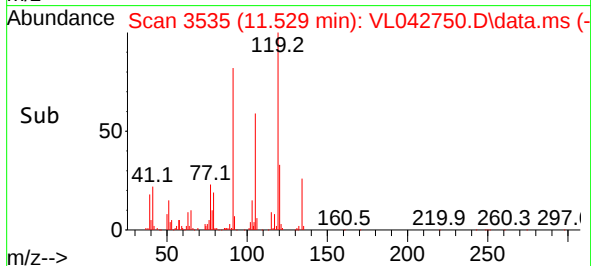
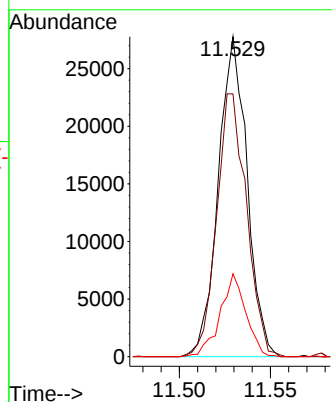
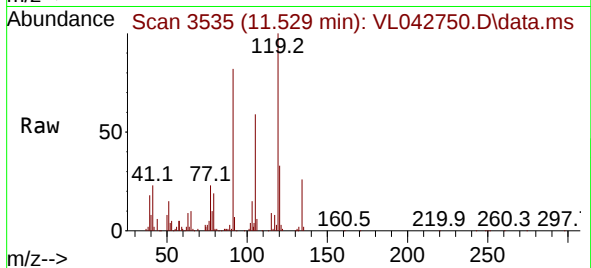
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 119 Resp: 30560

Ion	Ratio	Lower	Upper
119	100		
91	85.1	64.0	96.0
134	23.1	17.3	25.9

Manual Integrations
APPROVED

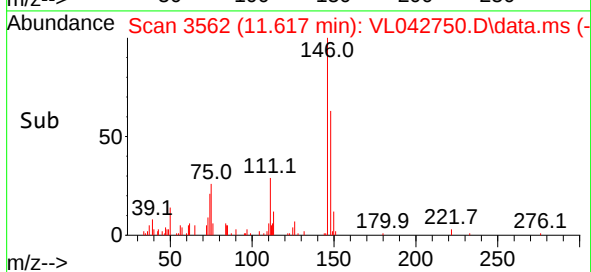
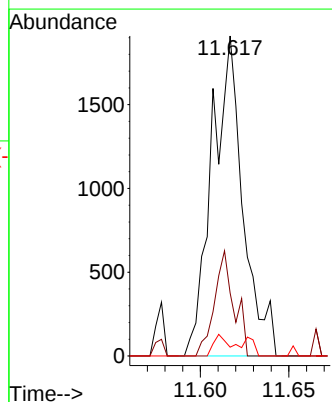
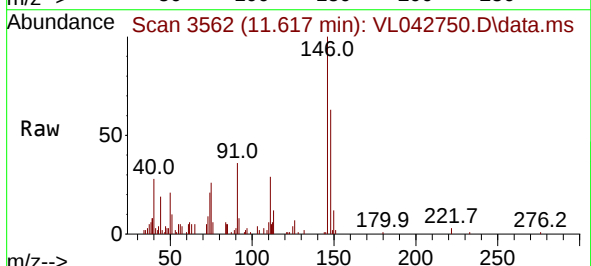
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

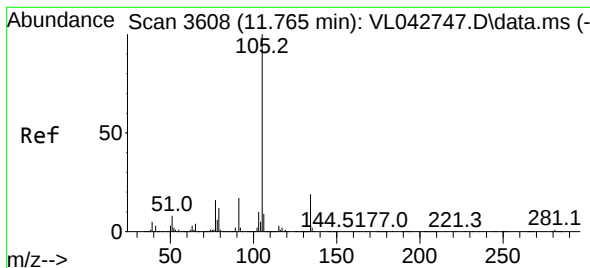


#66
Benzyl Chloride
Concen: 0.421 ppbv m
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 2336

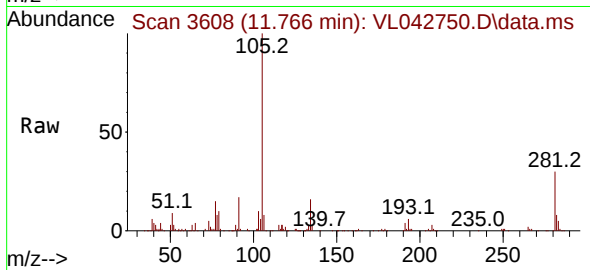
Ion	Ratio	Lower	Upper
91	100		
126	20.8	14.4	21.6
128	5.6	5.2	7.8





#67
 sec-Butylbenzene
 Concen: 0.460 ppbv
 RT: 11.766 min Scan# 3608
 Delta R.T. 0.000 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

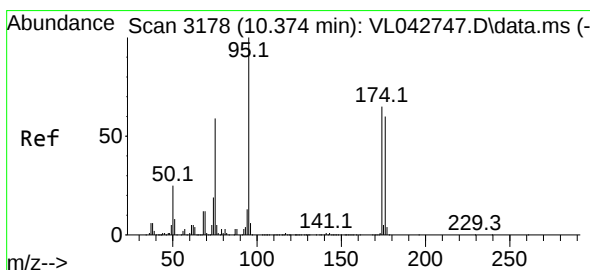
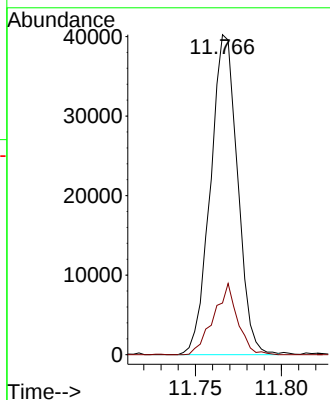
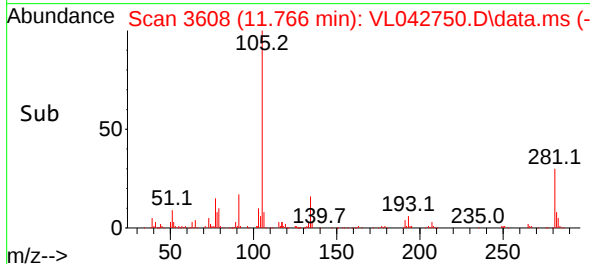
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:105 Resp: 44169
 Ion Ratio Lower Upper
 105 100
 134 19.6 15.5 23.3

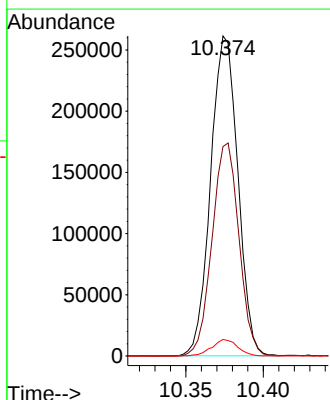
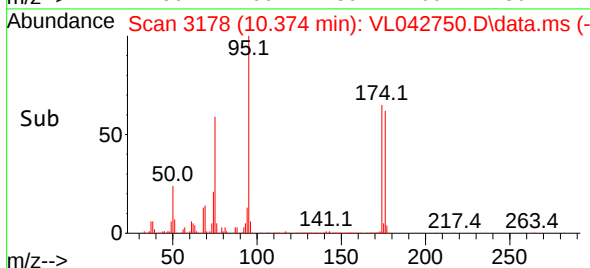
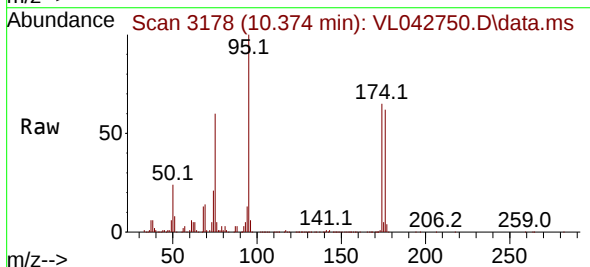
Manual Integrations
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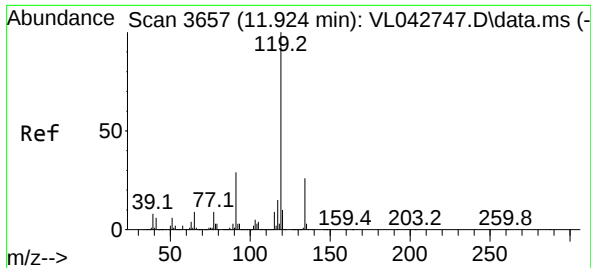
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.869 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. 0.000 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

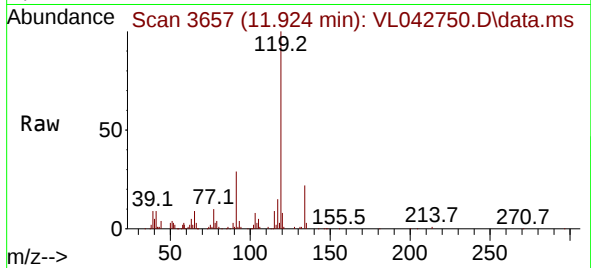
Tgt Ion: 95 Resp: 319353
 Ion Ratio Lower Upper
 95 100
 174 65.8 53.8 80.6
 175 4.9 4.0 6.0





#69
p-Isopropyltoluene
Concen: 0.423 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

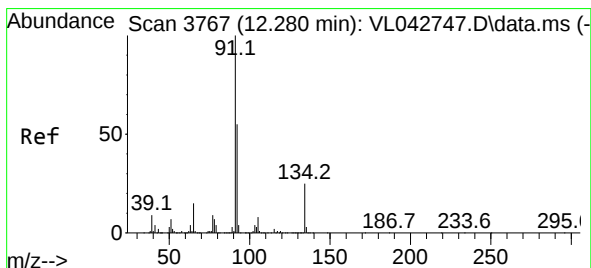
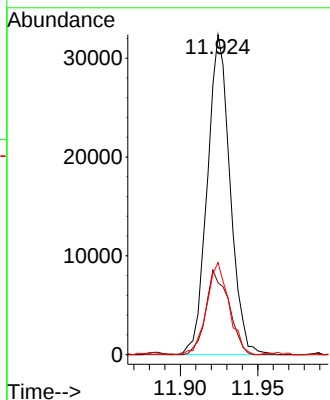
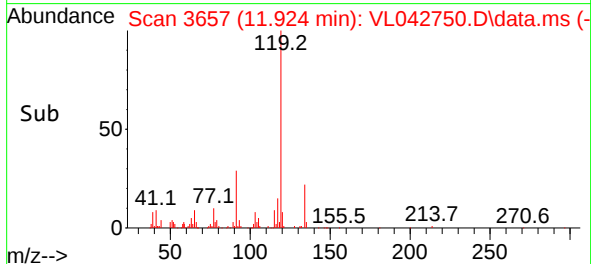
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



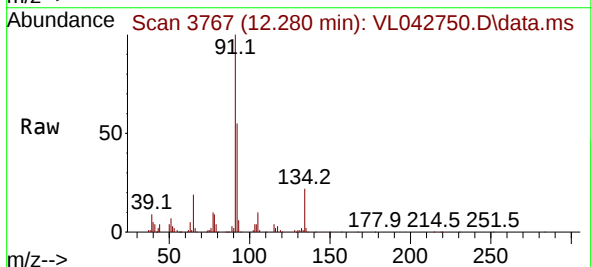
Tgt Ion: 119 Resp: 33104
Ion Ratio Lower Upper
119 100
134 26.8 20.6 31.0
91 28.8 23.2 34.8

Manual Integrations
APPROVED

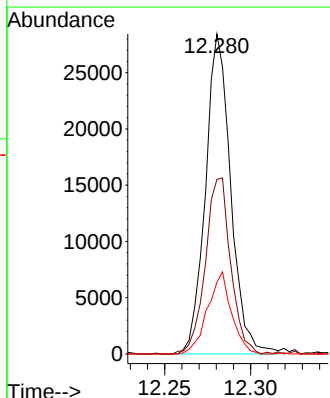
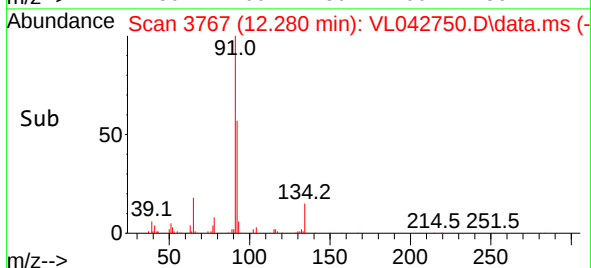
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

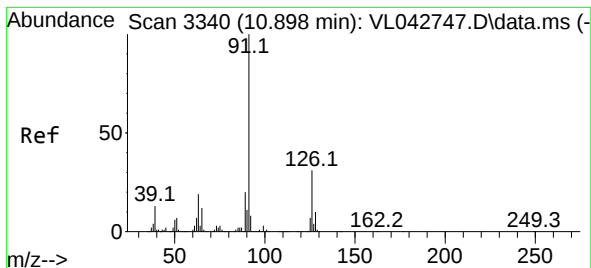


#70
n-Butylbenzene
Concen: 0.384 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42



Tgt Ion: 91 Resp: 29048
Ion Ratio Lower Upper
91 100
92 55.5 43.4 65.2
134 24.3 19.6 29.4





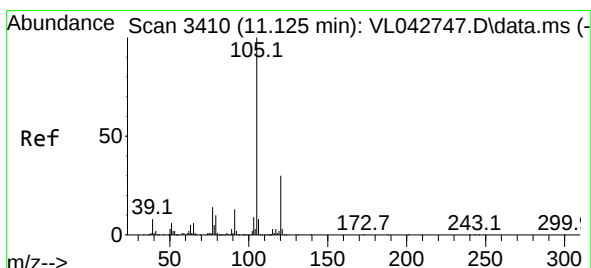
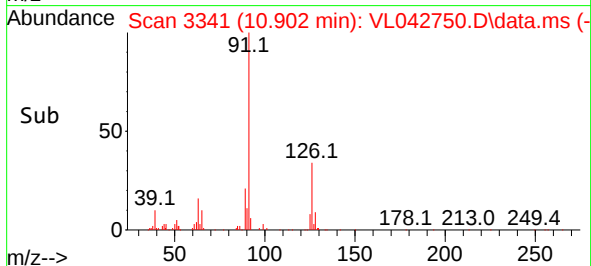
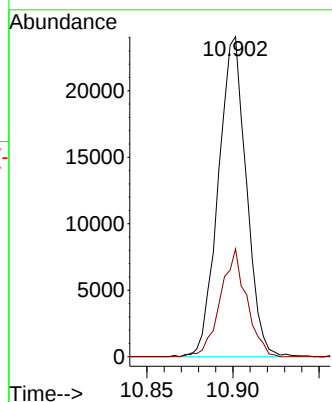
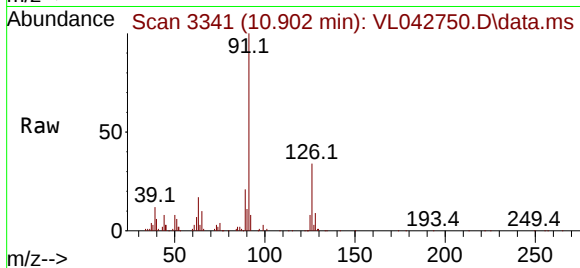
#71
2-Chlorotoluene
Concen: 0.466 ppbv
RT: 10.902 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 27184
Ion Ratio Lower Upper
91 100
126 31.7 12.0 48.2

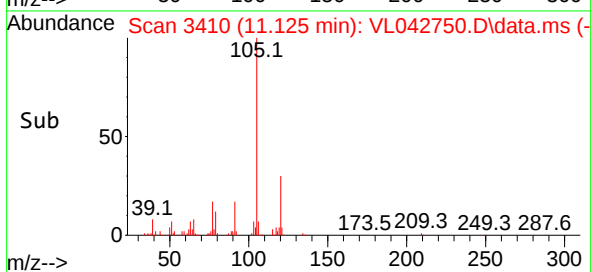
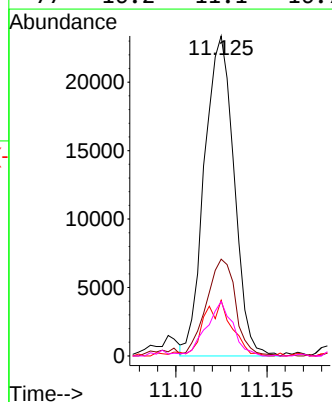
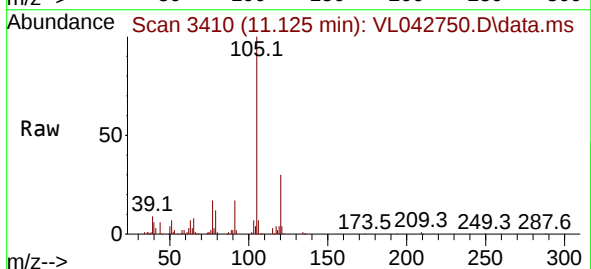
Manual Integrations
APPROVED

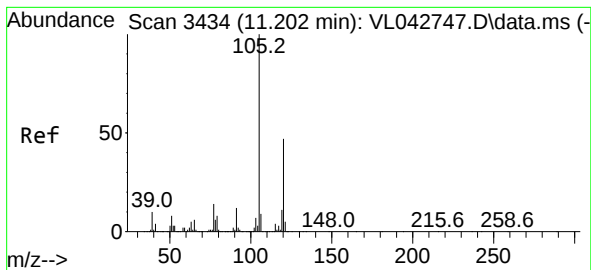
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#72
4-Ethyltoluene
Concen: 0.429 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:105 Resp: 26395
Ion Ratio Lower Upper
105 100
120 31.6 24.4 36.6
91 17.0 10.6 15.8#
77 16.2 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.442 ppbv

RT: 11.206 min Scan# 3434

Delta R.T. 0.003 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 22392

Ion Ratio Lower Upper

105 100

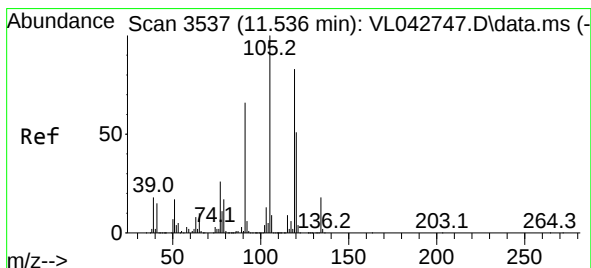
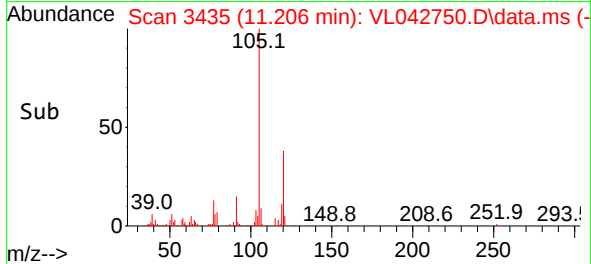
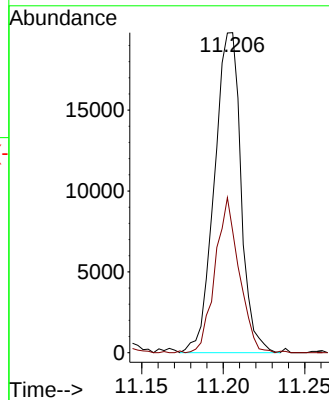
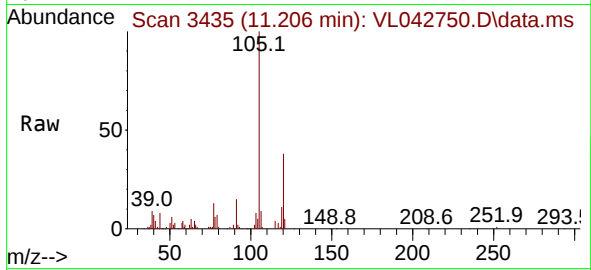
120 37.5 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.412 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.000 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Tgt Ion:105 Resp: 22772

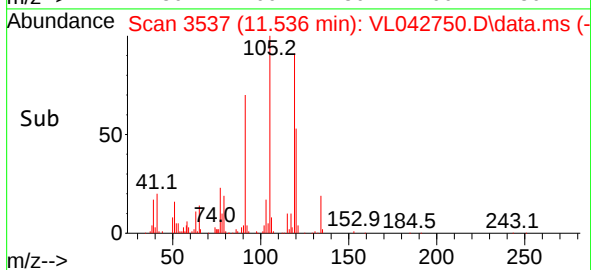
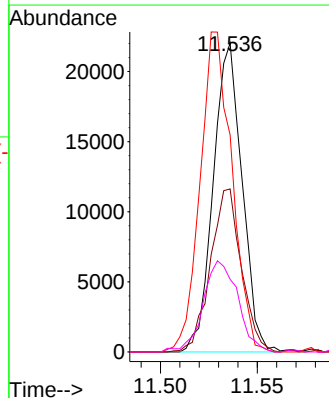
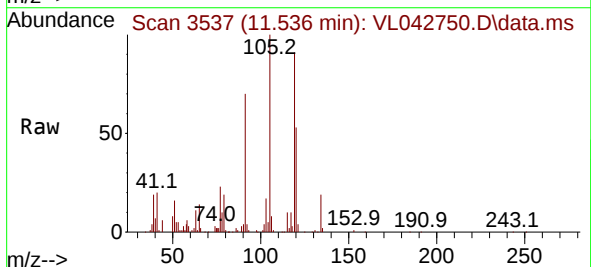
Ion Ratio Lower Upper

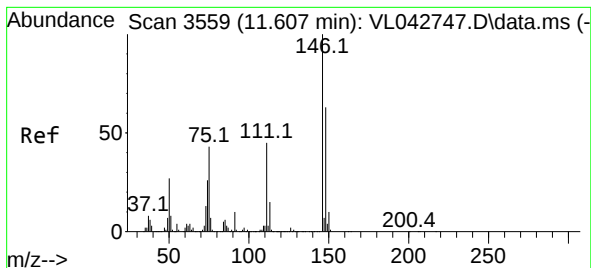
105 100

120 52.7 40.8 61.2

91 70.3 53.0 79.4

77 23.5 20.5 30.7





#75

1,3-Dichlorobenzene

Concen: 0.482 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. 0.000 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

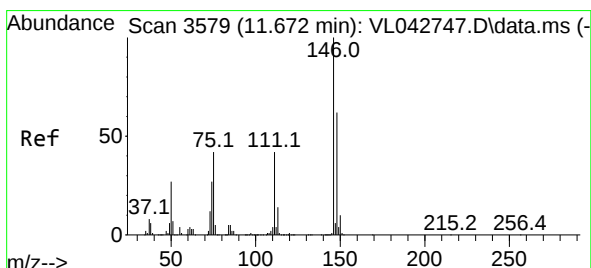
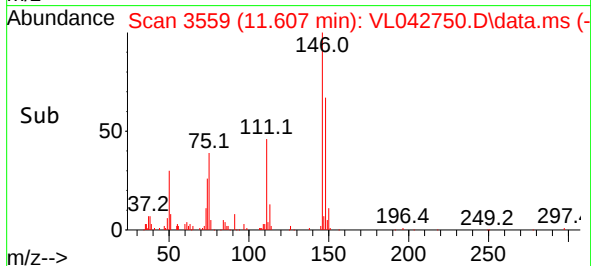
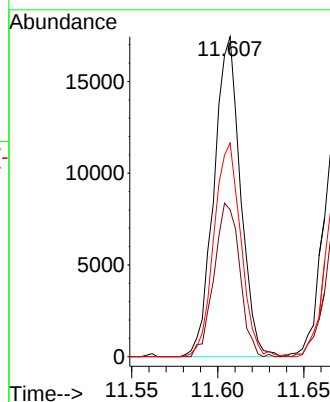
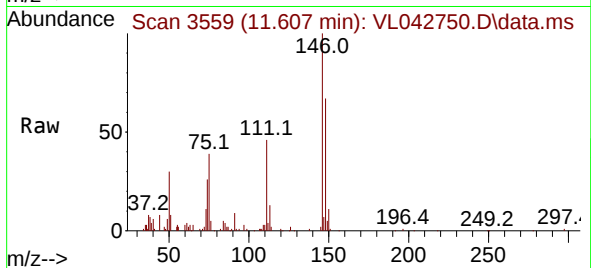
VSTDICC0.5

Tgt Ion:146 Resp: 18680
 Ion Ratio Lower Upper
 146 100
 111 46.6 22.7 68.0
 148 67.7 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#76

1,4-Dichlorobenzene

Concen: 0.465 ppbv

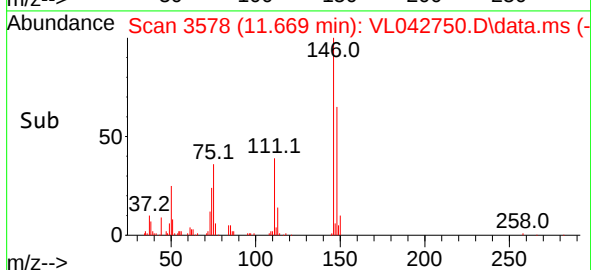
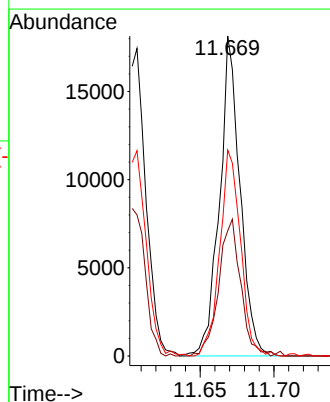
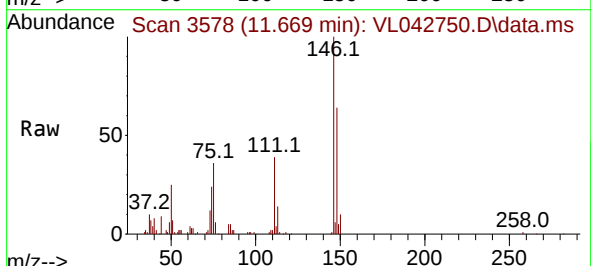
RT: 11.669 min Scan# 3578

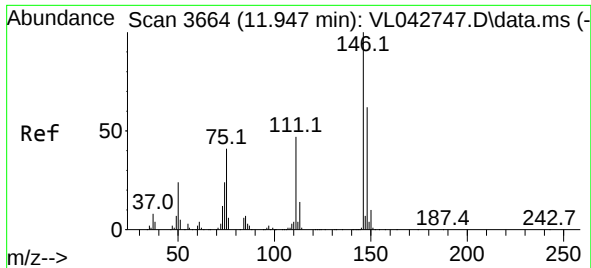
Delta R.T. -0.003 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Tgt Ion:146 Resp: 17616
 Ion Ratio Lower Upper
 146 100
 111 45.9 21.4 64.2
 148 65.4 32.1 96.3





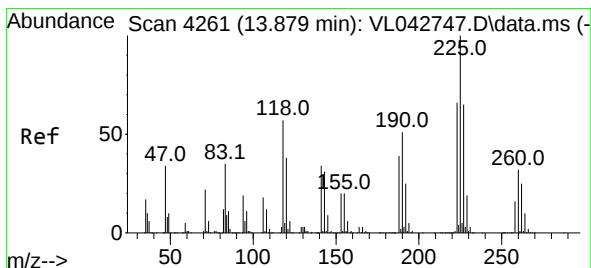
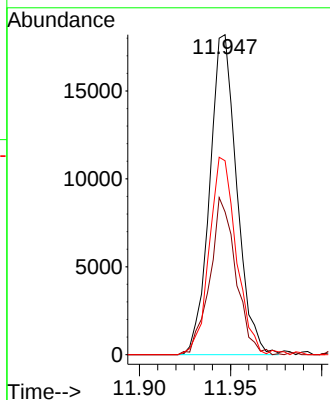
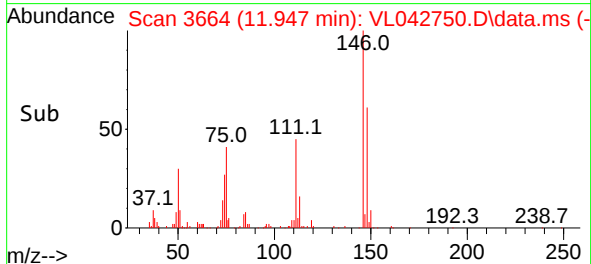
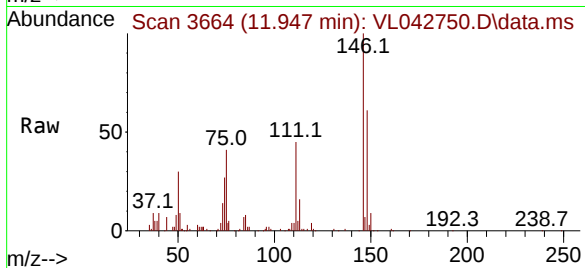
#77
1,2-Dichlorobenzene
Concen: 0.494 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:146 Resp: 18799
Ion Ratio Lower Upper
146 100
111 47.9 23.7 71.1
148 62.3 32.6 97.7

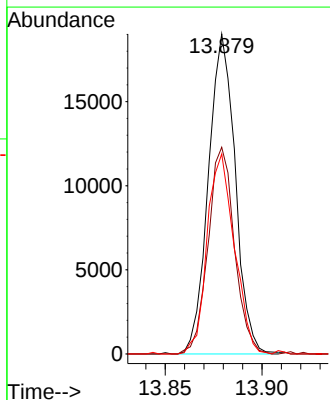
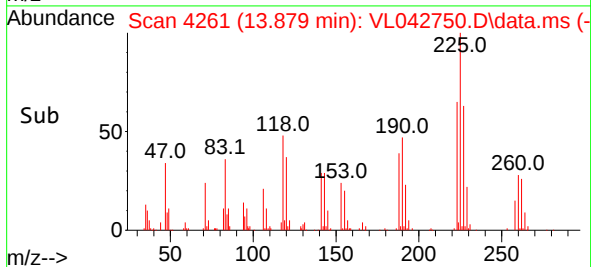
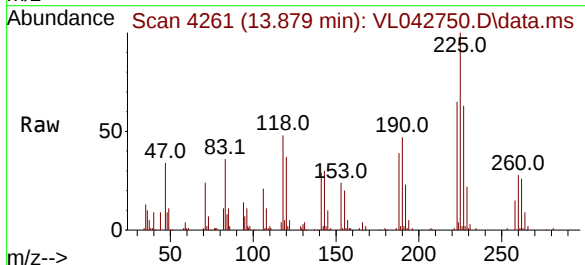
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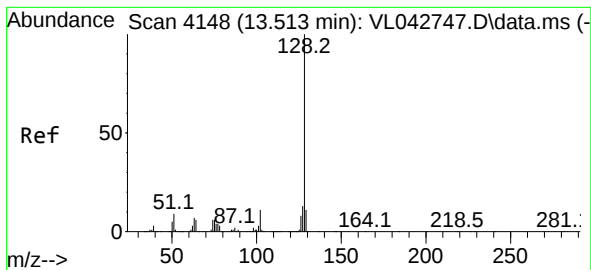
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#78
Hexachloro-1,3-Butadiene
Concen: 0.532 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

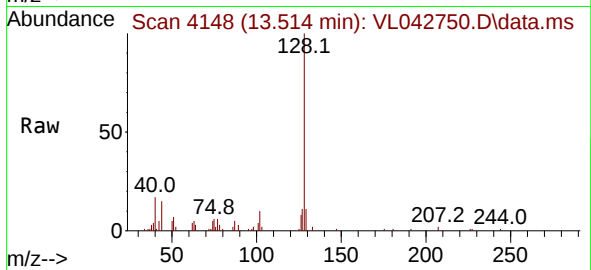
Tgt Ion:225 Resp: 18330
Ion Ratio Lower Upper
225 100
223 63.7 50.7 76.1
227 63.7 50.5 75.7





#79
Naphthalene
Concen: 0.592 ppbv
RT: 13.514 min Scan# 4148
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

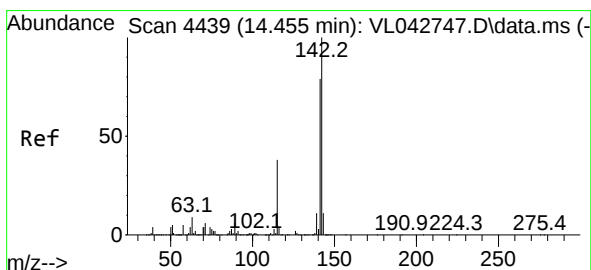
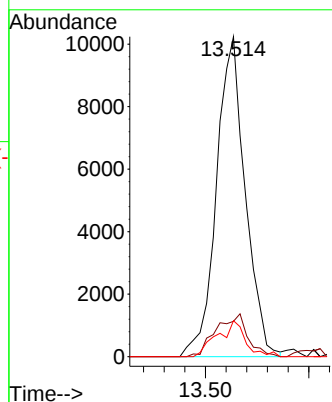
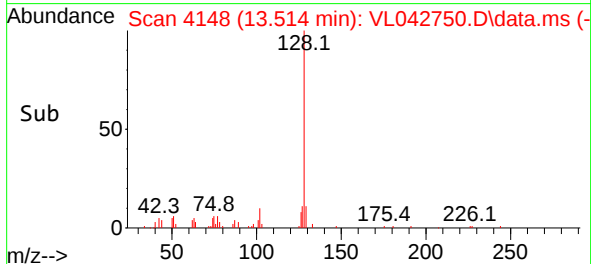
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



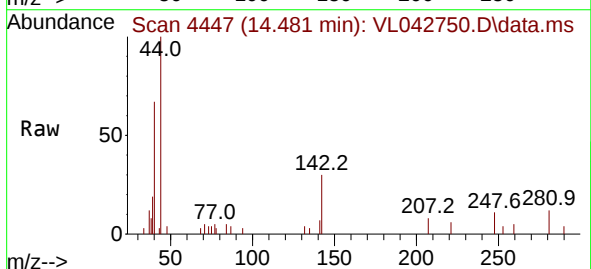
Tgt Ion:128 Resp: 9910
Ion Ratio Lower Upper
128 100
127 11.1 10.5 15.7
129 11.2 8.6 13.0

Manual Integrations
APPROVED

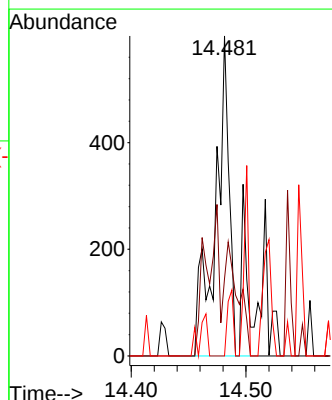
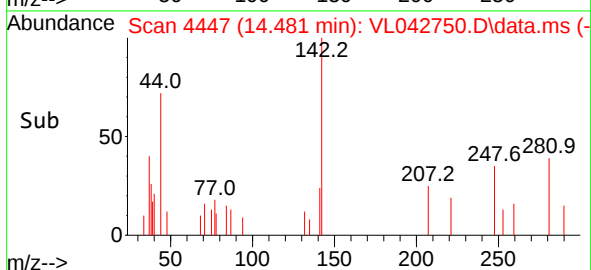
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

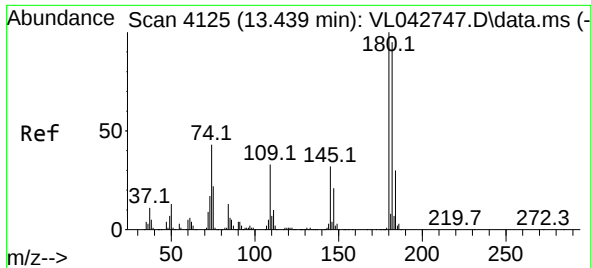


#80
Naphthalene,2-methyl-
Concen: 1.148 ppbv
RT: 14.481 min Scan# 4447
Delta R.T. 0.026 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42



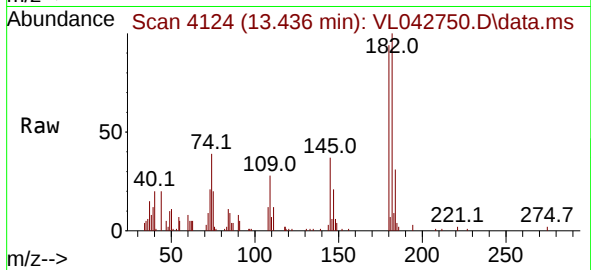
Tgt Ion:142 Resp: 731
Ion Ratio Lower Upper
142 100
141 54.6 65.8 98.8#
115 5.2 31.2 46.8#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.645 ppbv
 RT: 13.436 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:180 Resp: 745
 Ion Ratio Lower Upper
 180 100
 182 100.9 76.2 114.2
 184 33.0 24.8 37.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

