

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
 Data File : VL042748.D
 Acq On : 23 Jul 2025 09:34
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Jul 24 04:56:50 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	2.780	49	158575	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	457804	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	410740	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 330476 10.160 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	43675	2.083	ppbv	98
3) Chlorodifluoromethane	1.473	51	56214	2.058	ppbv	99
4) Chloromethane	1.531	50	16834	1.985	ppbv	100
5) Vinyl Chloride	1.576	62	15384	1.836	ppbv	92
6) Bromomethane	1.664	94	5754	1.776	ppbv	83
7) Chloroethane	1.703	64	6001	1.853	ppbv	93
8) Dichlorotetrafluoroethane	1.554	85	35629	2.066	ppbv	100
9) Propene	1.483	41	21592	2.175	ppbv	97
10) Heptane	4.965	43	56442m	2.114	ppbv	
11) Trichlorofluoromethane	1.874	101	44770	2.072	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.136	101	33910	2.065	ppbv	99
13) Ethanol	1.719	45	2321	2.155	ppbv	78
14) Bromoethene	1.780	108	12078	2.077	ppbv #	96
15) Acetone	1.832	43	48226	2.202	ppbv	100
16) 1,3-Butadiene	1.606	39	18504	1.981	ppbv	96
17) tert-Butyl alcohol	2.036	59	40135	2.032	ppbv #	93
18) 1,1-Dichloroethene	2.030	96	14381	1.938	ppbv	93
19) Isopropyl Alcohol	1.884	45	23028	1.979	ppbv #	75
20) Methylene Chloride	2.059	84	13296	1.927	ppbv	97
21) Allyl Chloride	2.091	41	27789	2.059	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	16591m	2.081	ppbv	
23) Vinyl Acetate	2.457	43	53544	2.017	ppbv #	98
24) 1,1-Dichloroethane	2.405	63	33969	2.073	ppbv	99
25) Ethyl Acetate	2.832	43	101853	2.101	ppbv	99
26) Hexane	2.822	57	45446	2.137	ppbv	99
27) Carbon Disulfide	2.146	76	36945	2.030	ppbv #	36
28) Methyl tert-Butyl Ether	2.437	73	20603	2.051	ppbv	96
29) Chloroform	2.842	83	67755	2.062	ppbv	97
30) Cyclohexane	3.845	84	38095m	2.113	ppbv	
31) cis-1,2-Dichloroethene	2.716	61	44860	2.053	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	67608	1.976	ppbv	98
34) 2-Butanone	2.551	43	69674	2.149	ppbv	99
35) Carbon Tetrachloride	3.755	117	67338	1.979	ppbv	97
36) Benzene	3.648	78	91141	2.101	ppbv	94
37) 1,2-Dichloroethane	3.211	62	53482	2.046	ppbv	98
38) Trichloroethene	4.538	130	40713	1.946	ppbv	90
39) 1,2-Dichloropropane	4.305	63	33225	2.075	ppbv	94
40) 1,4-Dioxane	4.583	88	15890m	2.104	ppbv	
41) Tetrahydrofuran	3.052	42	33618	2.064	ppbv	94
42) Bromodichloromethane	4.480	83	69093	2.028	ppbv	94
43) Methyl Methacrylate	4.871	69	30336	1.967	ppbv	95
44) 2,2,4-Trimethylpentane	4.632	57	149588	2.115	ppbv	99
45) t-1,3-Dichloropropene	6.405	75	34331m	1.984	ppbv	

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

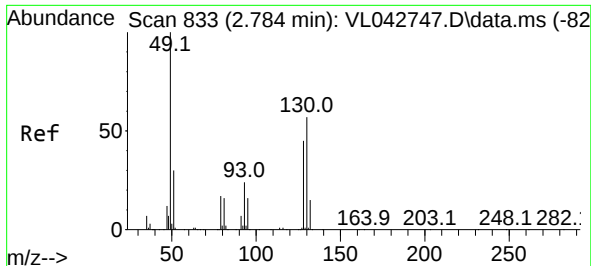
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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	43845m	2.000	ppbv	
47) 1,1,2-Trichloroethane	6.567	97	35222m	2.063	ppbv	
48) Dibromochloromethane	7.380	129	54906	2.026	ppbv	96
49) Bromoform	9.477	173	47340	2.003	ppbv	96
50) 4-Methyl-2-Pentanone	5.748	43	87566m	2.120	ppbv	
51) 2-Hexanone	7.431	43	68093	2.157	ppbv #	99
52) Tetrachloroethene	8.215	164	34568	1.917	ppbv	94
53) Toluene	6.923	91	98346	2.111	ppbv	100
54) 1,2-Dibromoethane	7.645	107	49346	2.042	ppbv	91
56) 1,1,1,2-Tetrachloroethane	8.920	131	44409	2.079	ppbv	92
57) Chlorobenzene	8.914	112	83503	2.101	ppbv #	92
58) Ethyl Benzene	9.348	91	143251	2.208	ppbv	97
59) m/p-Xylene	9.545	91	222465m	4.290	ppbv	
60) o-Xylene	9.956	91	113462	2.190	ppbv	99
61) Styrene	9.865	104	45351	2.081	ppbv	100
62) Isopropylbenzene	10.535	105	167108	2.187	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	65928	1.954	ppbv	100
64) n-propylbenzene	10.982	120	43789	2.198	ppbv	98
65) tert-Butylbenzene	11.526	119	151081	2.226	ppbv	98
66) Benzyl Chloride	11.610	91	10485	1.882	ppbv	98
67) sec-Butylbenzene	11.762	105	212925	2.206	ppbv	99
69) p-Isopropyltoluene	11.921	119	175553	2.230	ppbv	99
70) n-Butylbenzene	12.277	91	171675	2.258	ppbv	99
71) 2-Chlorotoluene	10.898	91	125039	2.134	ppbv	98
72) 4-Ethyltoluene	11.121	105	134097	2.168	ppbv	98
73) 1,3,5-Trimethylbenzene	11.199	105	108055	2.122	ppbv	97
74) 1,2,4-Trimethylbenzene	11.532	105	122295	2.201	ppbv	95
75) 1,3-Dichlorobenzene	11.600	146	85254	2.188	ppbv	99
76) 1,4-Dichlorobenzene	11.665	146	83440	2.189	ppbv	99
77) 1,2-Dichlorobenzene	11.943	146	82311	2.150	ppbv	99
78) Hexachloro-1,3-Butadiene	13.876	225	78291	2.259	ppbv	99
79) Naphthalene	13.510	128	79191	1.690	ppbv	98
80) Naphthalene,2-methyl-	14.455	142	5851	1.298	ppbv	90
81) 1,2,4-Trichlorobenzene	13.435	180	51515	1.888	ppbv	99

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



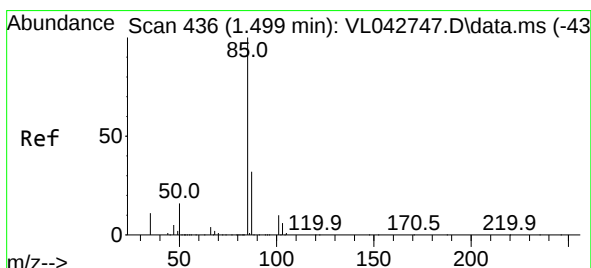
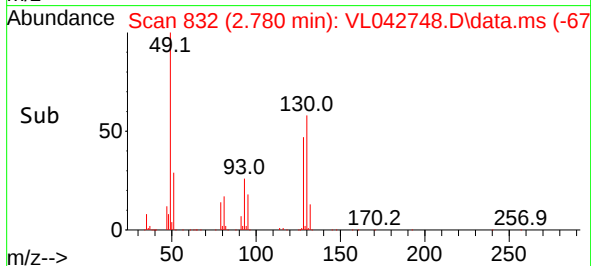
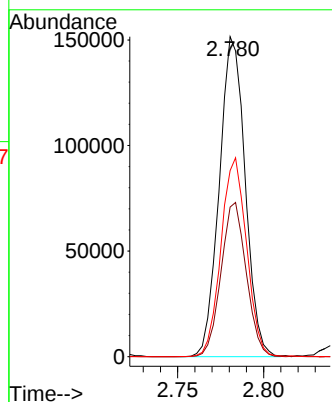
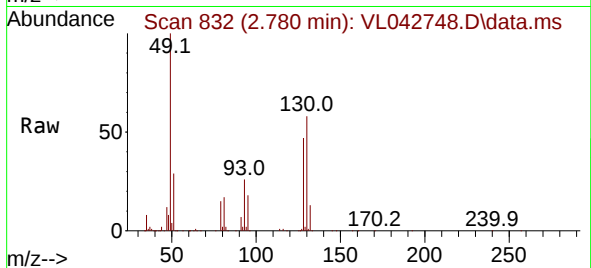
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 158579
Ion Ratio Lower Upper
49 100
128 47.0 23.6 71.0
130 61.6 30.3 90.8

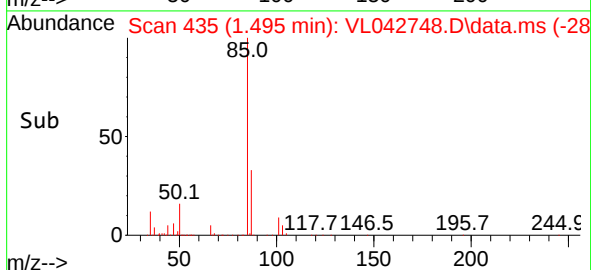
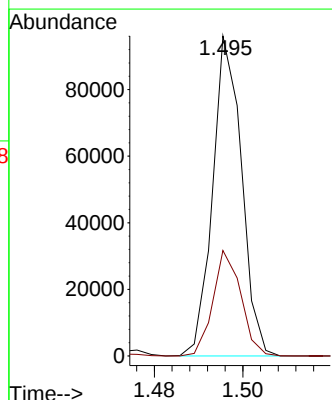
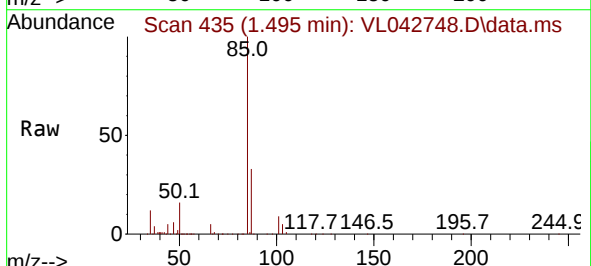
Manual Integrations
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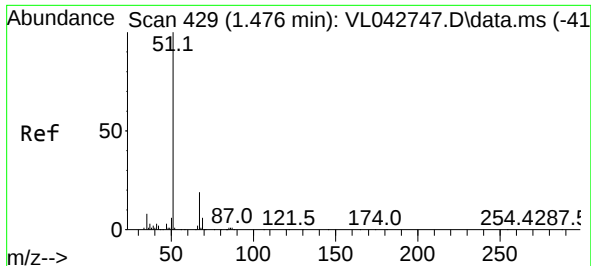
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#2
Dichlorodifluoromethane
Concen: 2.083 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 85 Resp: 43675
Ion Ratio Lower Upper
85 100
87 33.0 25.4 38.2





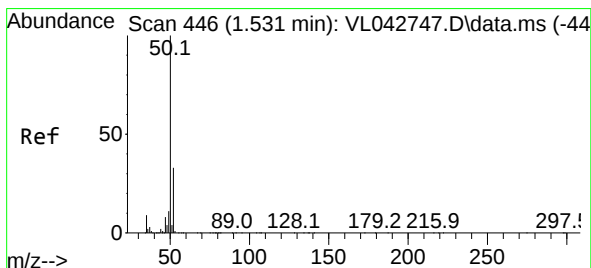
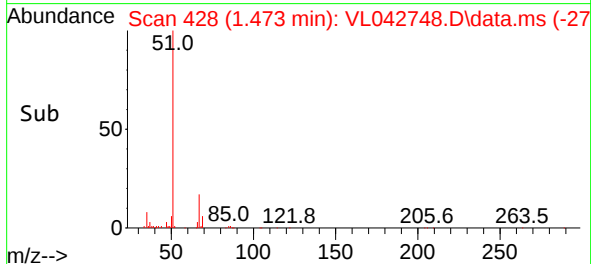
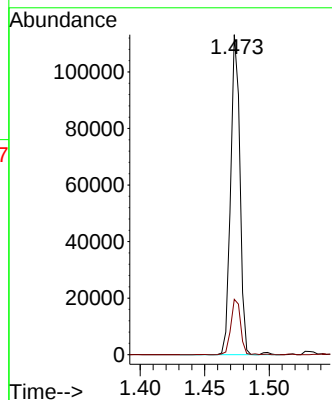
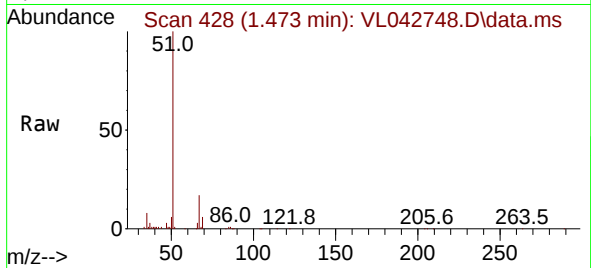
#3
Chlorodifluoromethane
Concen: 2.058 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 56214
Ion Ratio Lower Upper
51 100
67 18.3 15.0 22.6

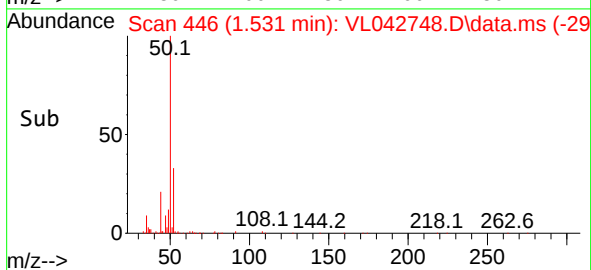
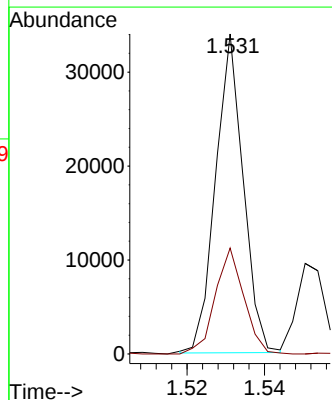
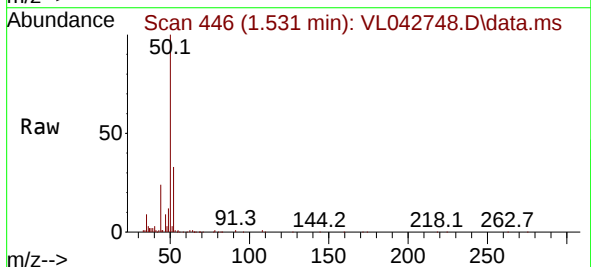
Manual Integrations
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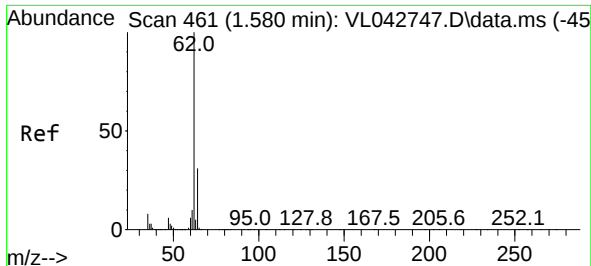
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#4
Chloromethane
Concen: 1.985 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 50 Resp: 16834
Ion Ratio Lower Upper
50 100
52 33.1 26.6 40.0





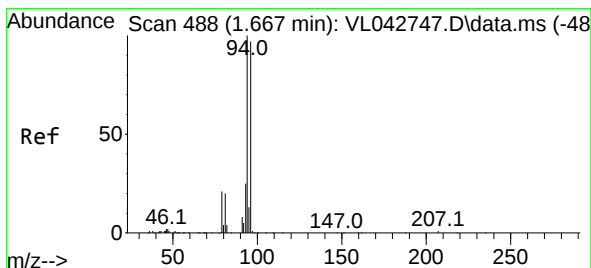
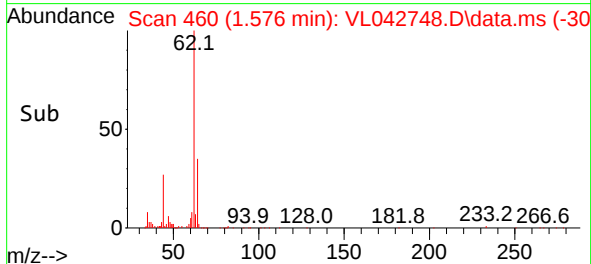
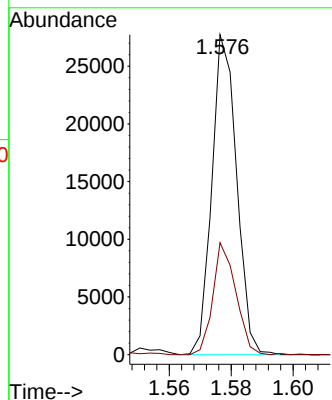
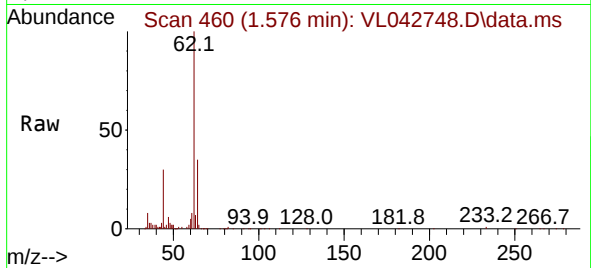
#5
 Vinyl Chloride
 Concen: 1.836 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Tgt Ion: 62 Resp: 15384
 Ion Ratio Lower Upper
 62 100
 64 35.0 24.5 36.7

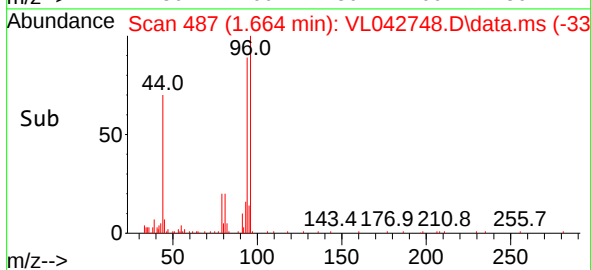
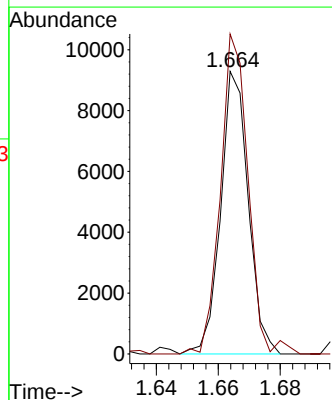
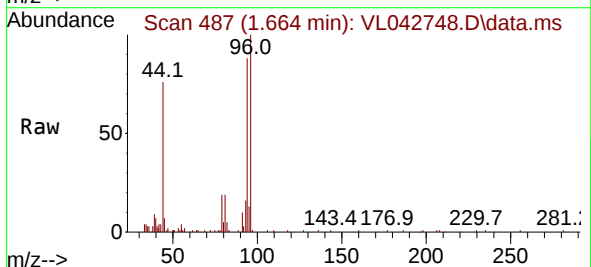
Manual Integrations
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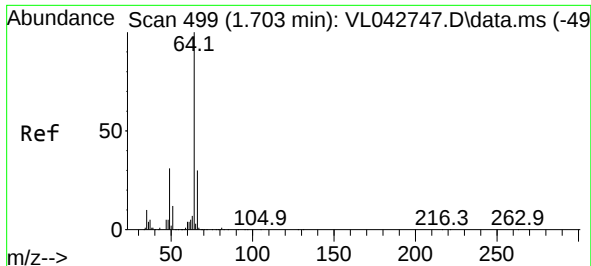
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#6
 Bromomethane
 Concen: 1.776 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

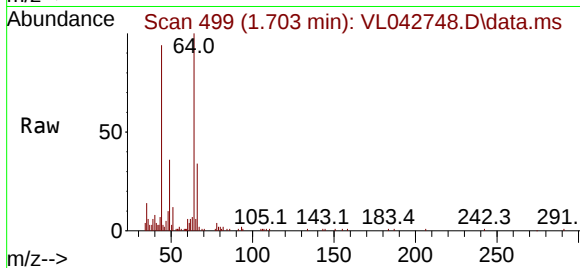
Tgt Ion: 94 Resp: 5754
 Ion Ratio Lower Upper
 94 100
 96 113.3 77.6 116.4





#7
Chloroethane
Concen: 1.853 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

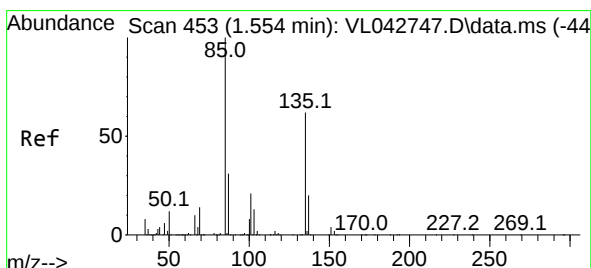
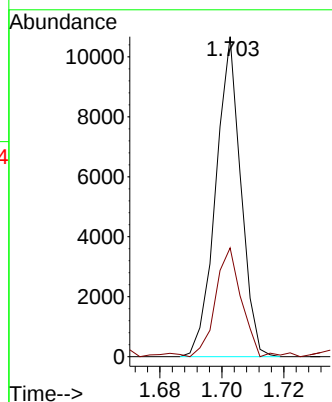
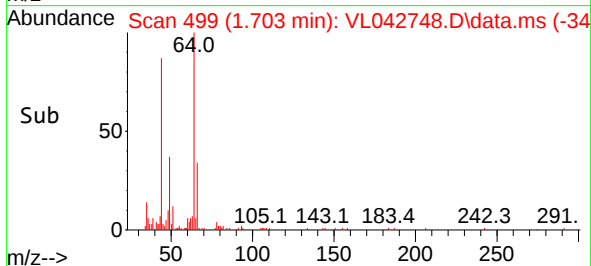
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



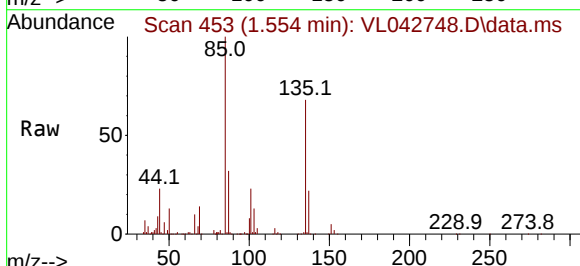
Tgt Ion: 64 Resp: 600
Ion Ratio Lower Upper
64 100
66 34.0 24.1 36.1

Manual Integrations
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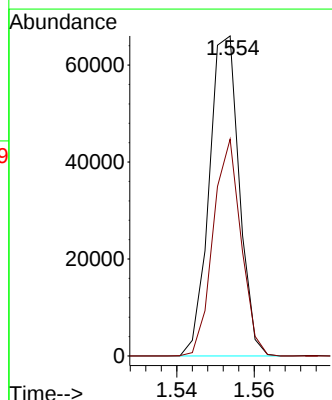
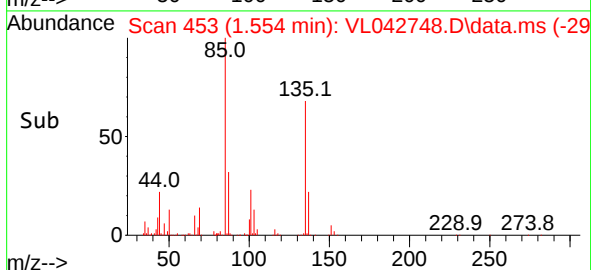
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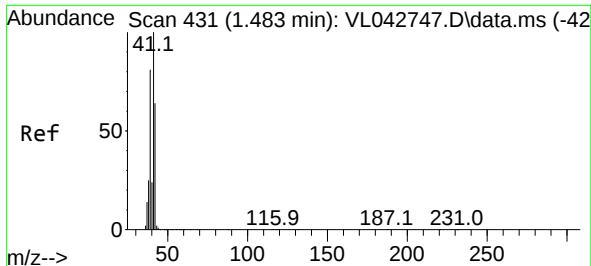


#8
Dichlorotetrafluoroethane
Concen: 2.066 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34



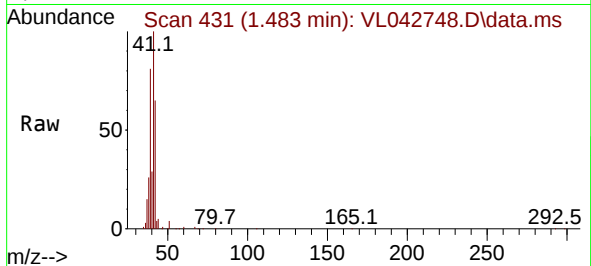
Tgt Ion: 85 Resp: 35629
Ion Ratio Lower Upper
85 100
135 63.0 50.6 76.0





#9
 Propene
 Concen: 2.175 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

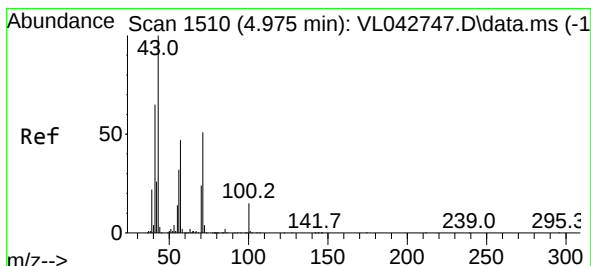
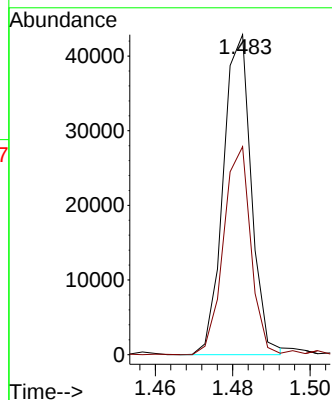
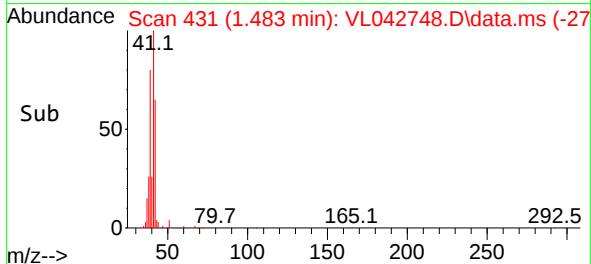
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



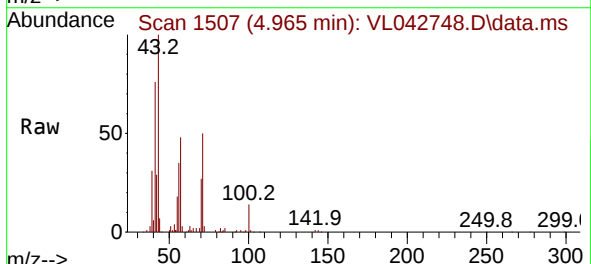
Tgt Ion: 41 Resp: 21592
 Ion Ratio Lower Upper
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 42 64.5 53.2 79.8

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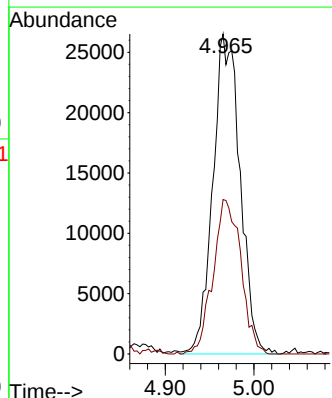
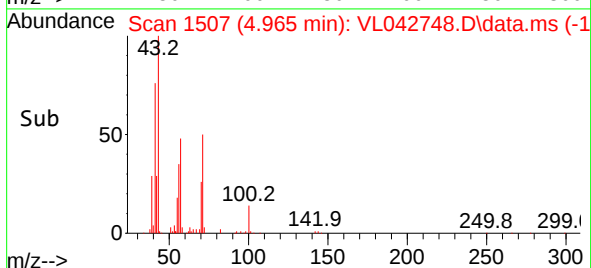
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

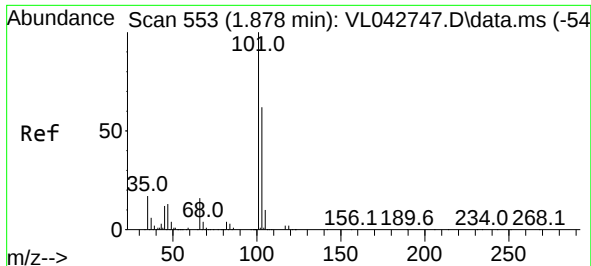


#10
 Heptane
 Concen: 2.114 ppbv m
 RT: 4.965 min Scan# 1507
 Delta R.T. -0.010 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34



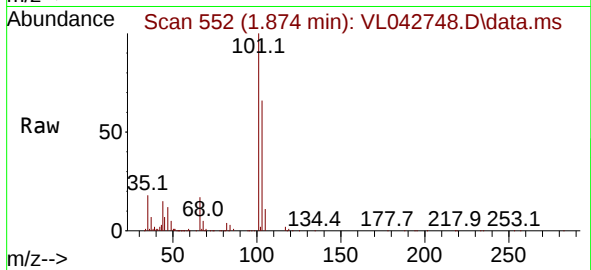
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 Ion Ratio Lower Upper
 43 100
 57 49.3 39.9 59.9





#11
Trichlorofluoromethane
Concen: 2.072 ppbv
RT: 1.874 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

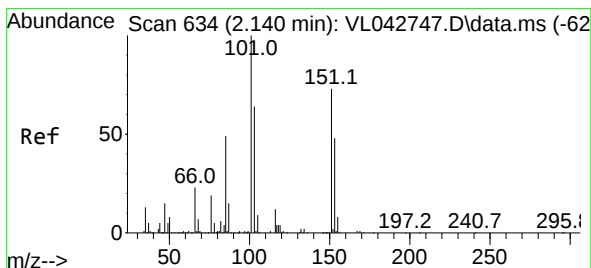
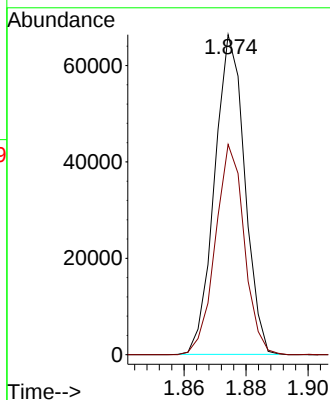
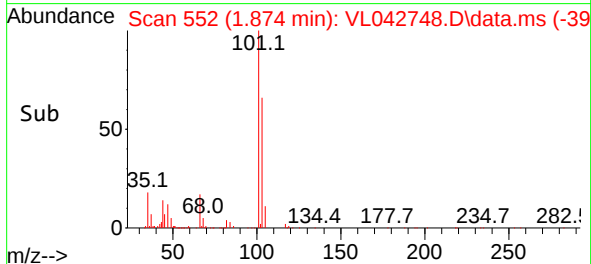
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



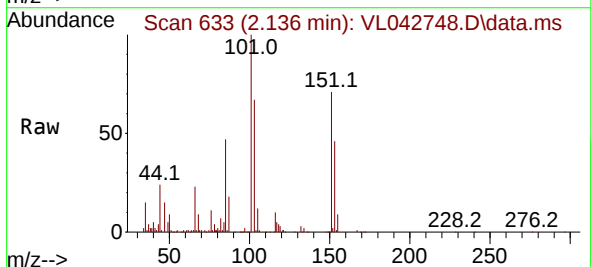
Tgt Ion:101 Resp: 44770
Ion Ratio Lower Upper
101 100
103 65.8 49.6 74.4

Manual Integrations
APPROVED

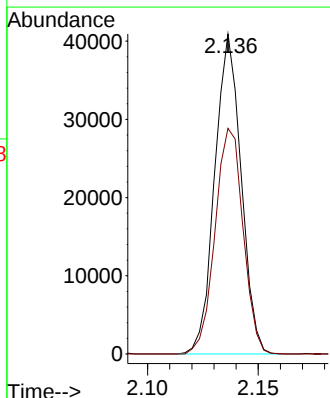
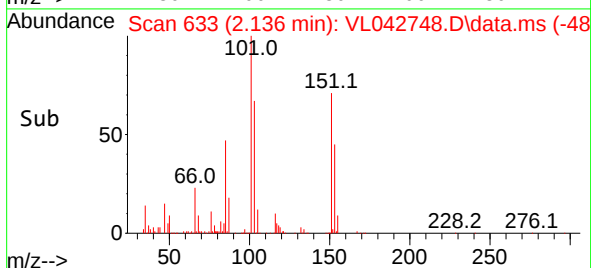
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.065 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34



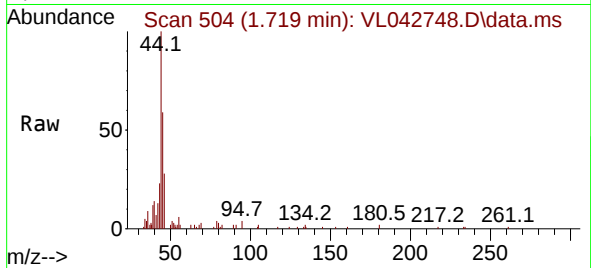
Tgt Ion:101 Resp: 33910
Ion Ratio Lower Upper
101 100
151 74.9 60.5 90.7





#13
Ethanol
Concen: 2.155 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

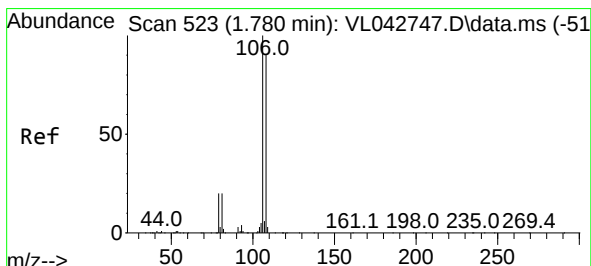
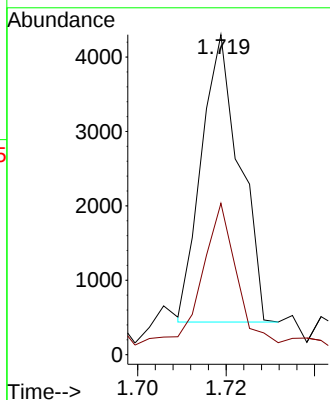
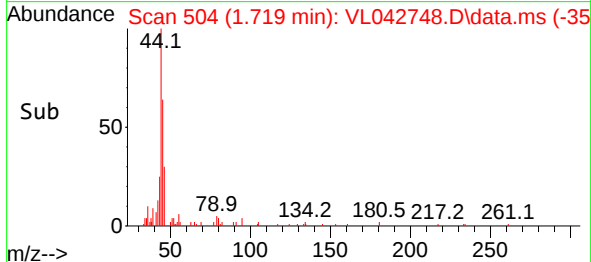
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



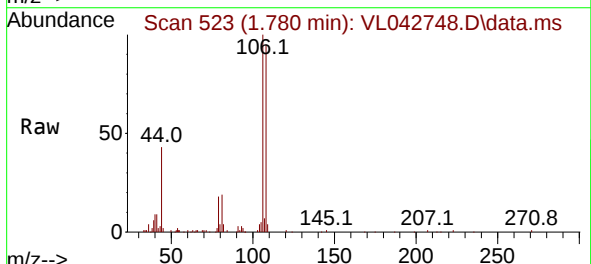
Tgt Ion: 45 Resp: 232
Ion Ratio Lower Upper
45 100
46 58.7 17.8 71.4

Manual Integrations
APPROVED

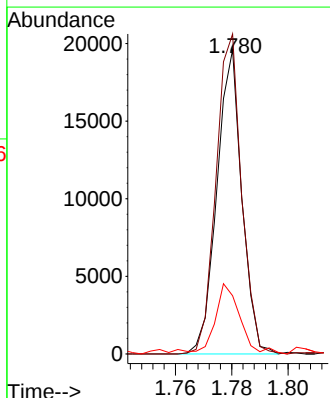
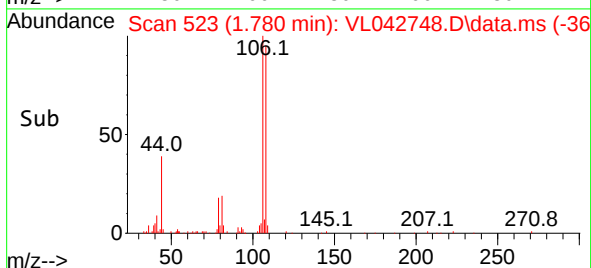
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

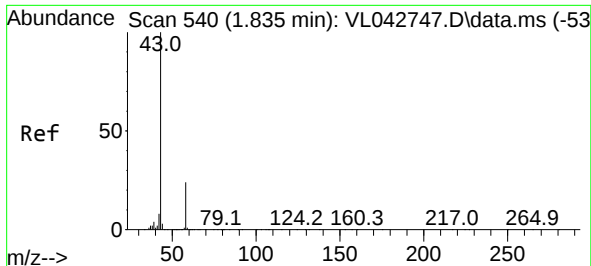


#14
Bromoethene
Concen: 2.077 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34



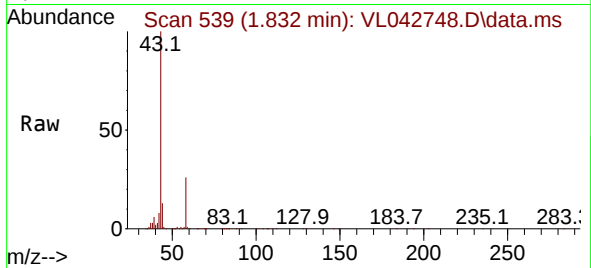
Tgt Ion:108 Resp: 12078
Ion Ratio Lower Upper
108 100
106 107.6 84.7 127.1
79 29.2 17.4 26.2#





#15
Acetone
Concen: 2.202 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

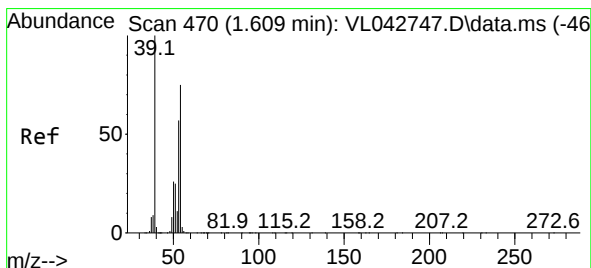
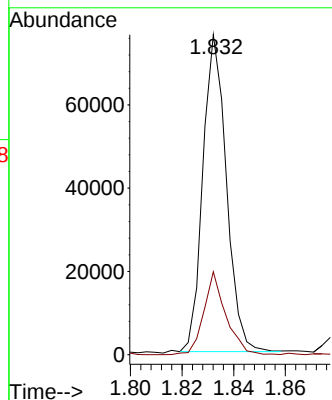
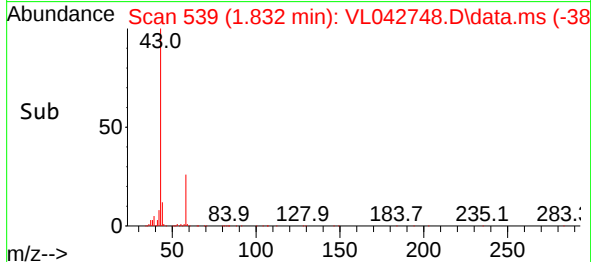
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



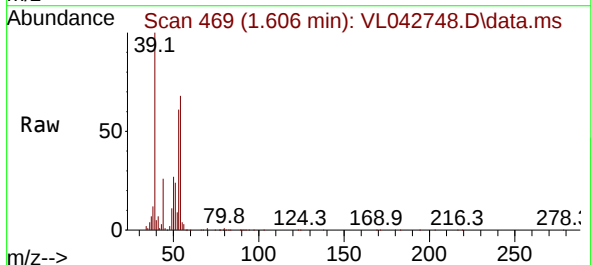
Tgt Ion: 43 Resp: 48220
Ion Ratio Lower Upper
43 100
58 25.0 19.8 29.8

Manual Integrations
APPROVED

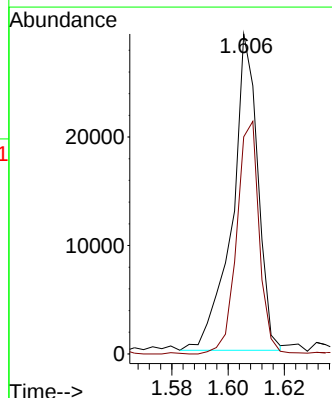
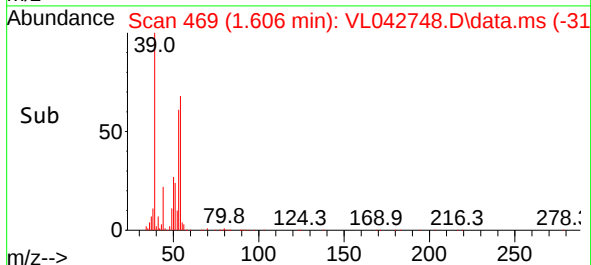
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

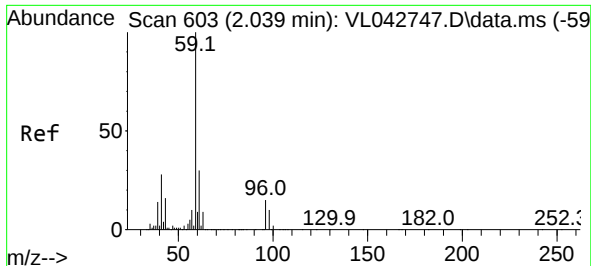


#16
1,3-Butadiene
Concen: 1.981 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34



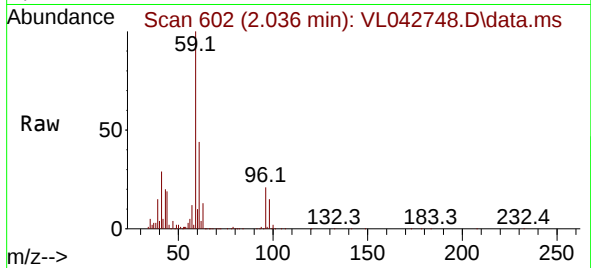
Tgt Ion: 39 Resp: 18504
Ion Ratio Lower Upper
39 100
54 65.0 54.5 81.7





#17
tert-Butyl alcohol
Concen: 2.032 ppbv
RT: 2.036 min Scan# 603
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

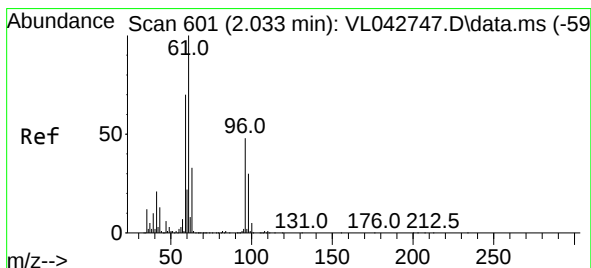
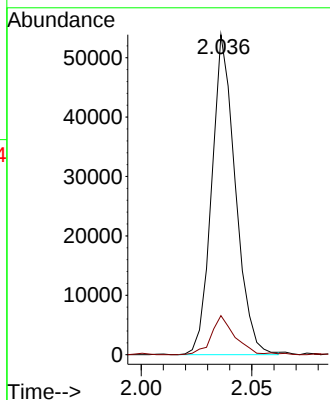
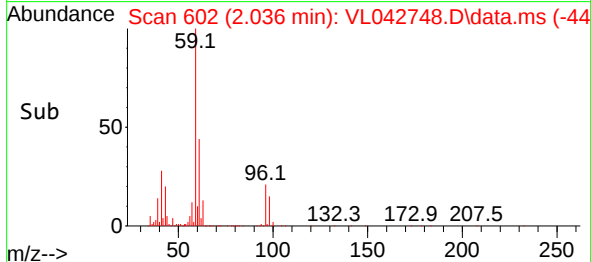
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



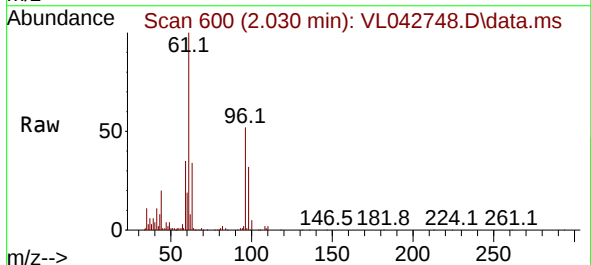
Tgt Ion: 59 Resp: 40135
Ion Ratio Lower Upper
59 100
57 12.9 8.3 12.5

Manual Integrations
APPROVED

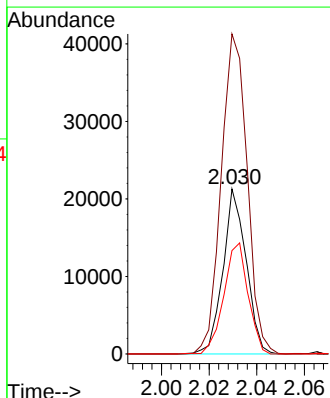
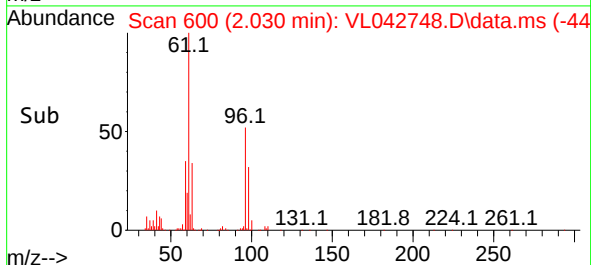
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

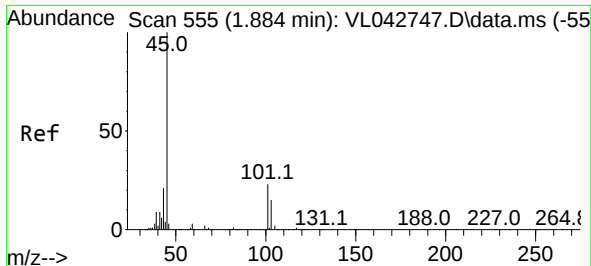


#18
1,1-Dichloroethene
Concen: 1.938 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34



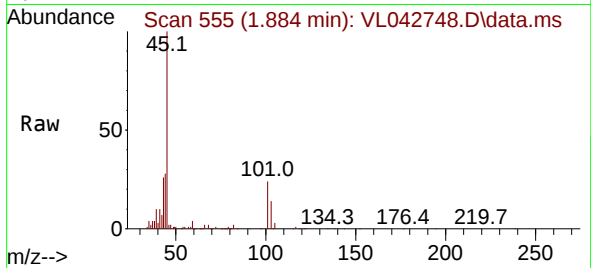
Tgt Ion: 96 Resp: 14381
Ion Ratio Lower Upper
96 100
61 193.9 165.8 248.6
98 62.7 49.9 74.9





#19
Isopropyl Alcohol
Concen: 1.979 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

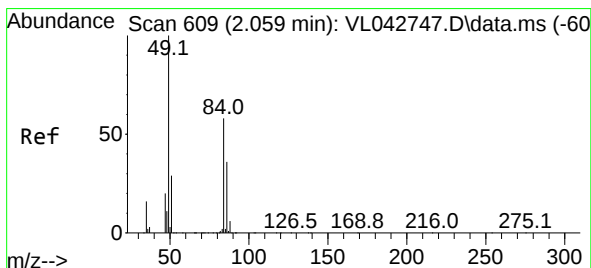
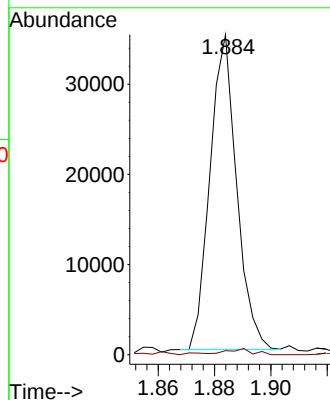
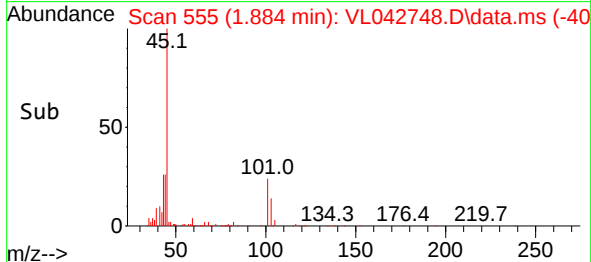
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



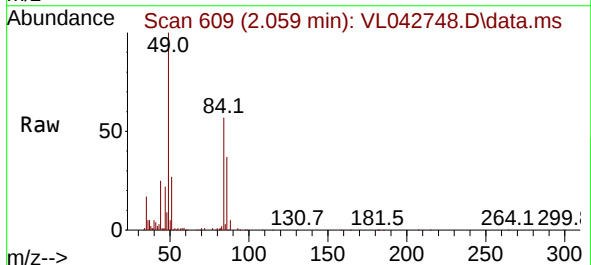
Tgt Ion: 45 Resp: 23028
Ion Ratio Lower Upper
45 100
58 52.5 30.0 45.0

Manual Integrations
APPROVED

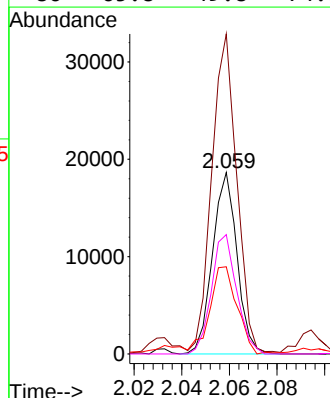
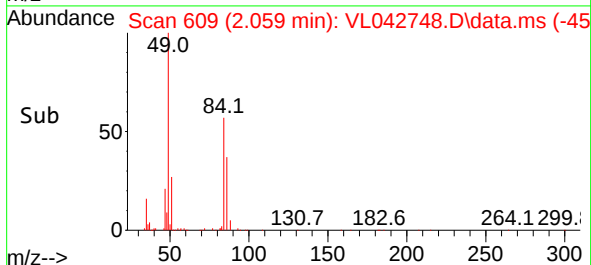
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#20
Methylene Chloride
Concen: 1.927 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34



Tgt Ion: 84 Resp: 13296
Ion Ratio Lower Upper
84 100
49 175.4 138.6 208.0
51 47.4 40.6 61.0
86 65.8 49.8 74.8





#21
 Allyl Chloride
 Concen: 2.059 ppbv
 RT: 2.091 min Scan# 619
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

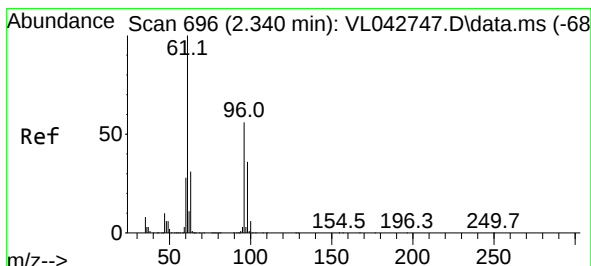
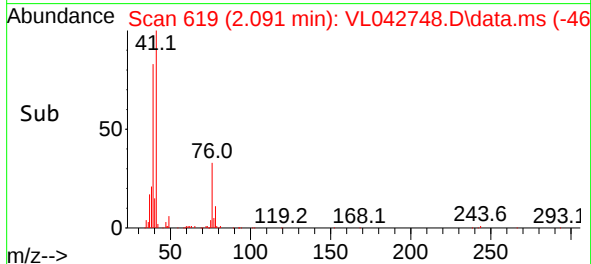
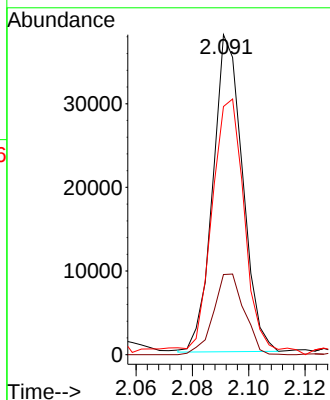
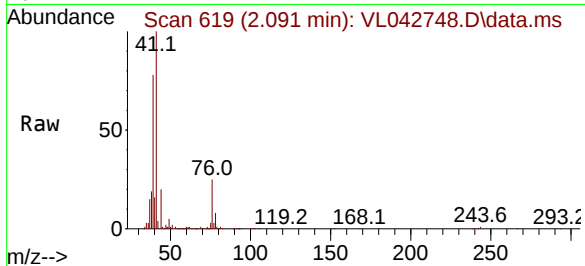
ClientSampleId :

VSTDICC002

Tgt Ion: 41 Resp: 27789
 Ion Ratio Lower Upper
 41 100
 76 26.3 21.1 31.7
 39 89.5 68.3 102.5

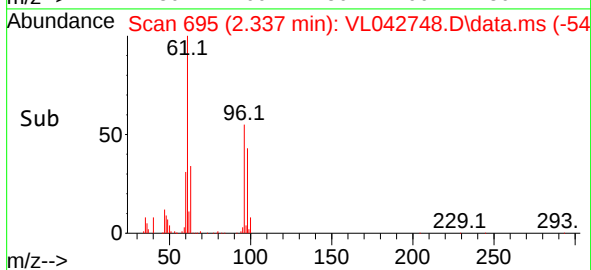
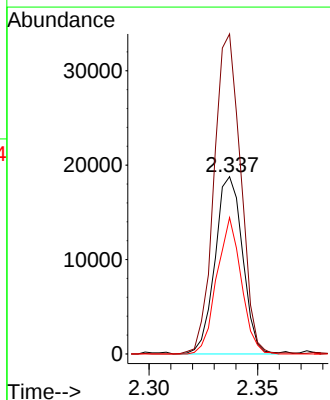
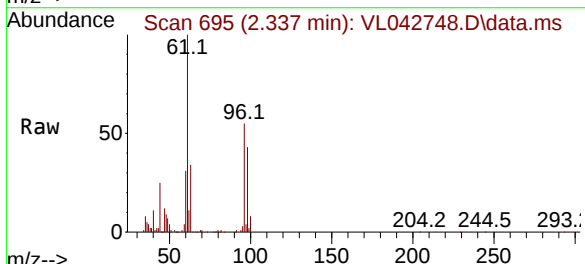
Manual Integrations
 APPROVED

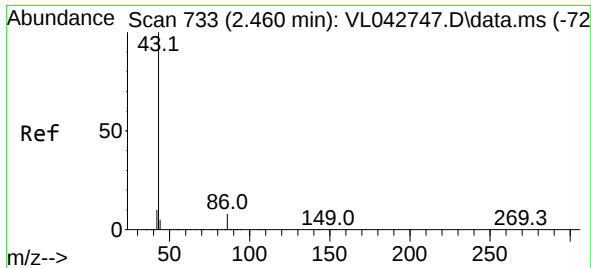
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#22
 trans-1,2-Dichloroethene
 Concen: 2.081 ppbv m
 RT: 2.337 min Scan# 695
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

Tgt Ion: 96 Resp: 16591
 Ion Ratio Lower Upper
 96 100
 61 180.5 142.3 213.5
 98 76.8 50.6 76.0#





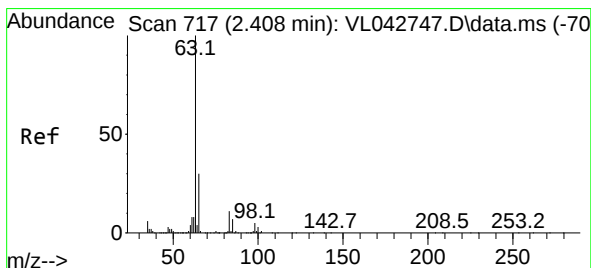
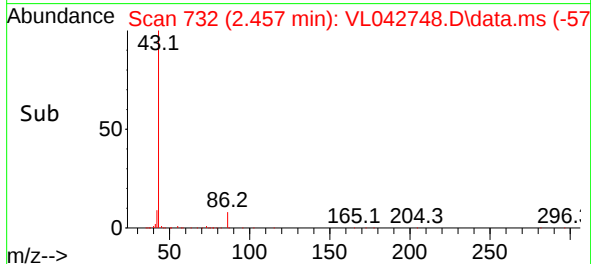
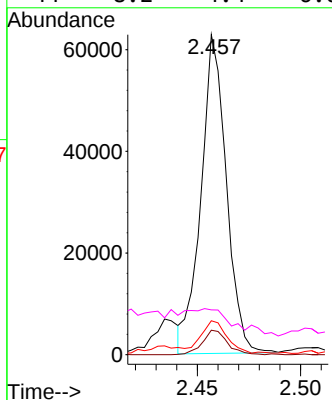
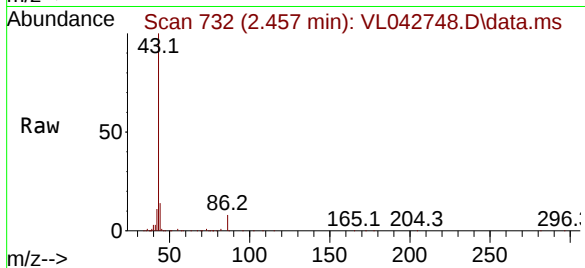
#23
 Vinyl Acetate
 Concen: 2.017 ppbv
 RT: 2.457 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 43 Resp: 53544
 Ion Ratio Lower Upper
 43 100
 86 7.6 6.1 9.1
 42 10.1 7.8 11.8
 44 8.2 4.4 6.6#

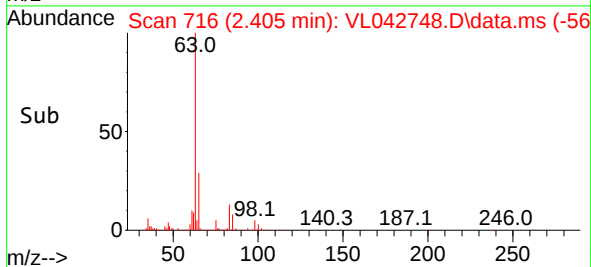
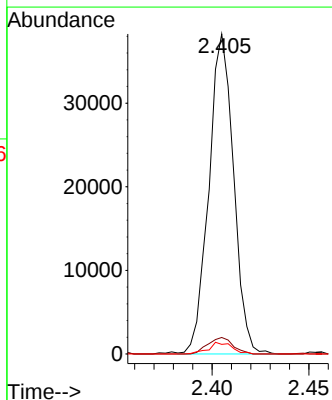
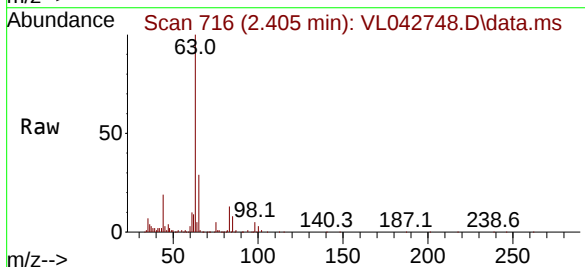
Manual Integrations
 APPROVED

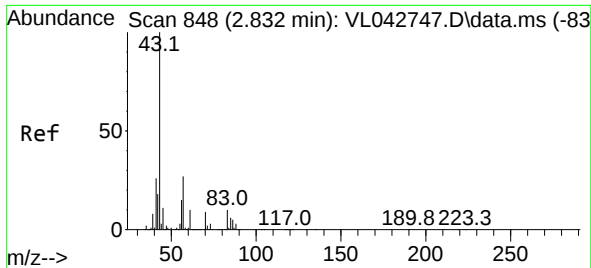
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#24
 1,1-Dichloroethane
 Concen: 2.073 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

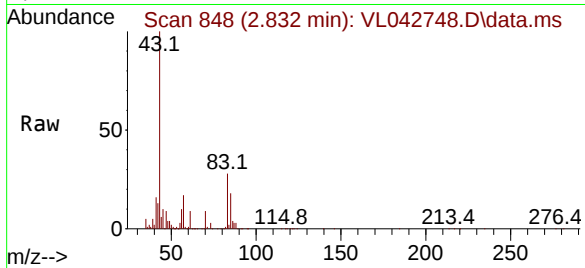
Tgt Ion: 63 Resp: 33969
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.5 7.4
 100 3.0 1.6 4.8





#25
Ethyl Acetate
Concen: 2.101 ppbv
RT: 2.832 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

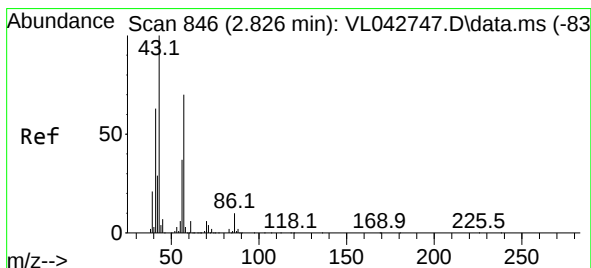
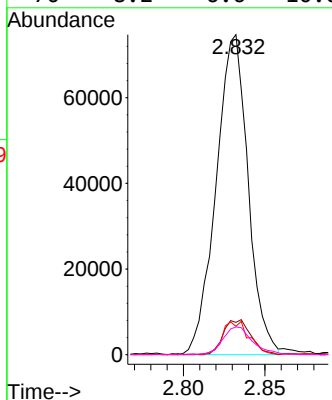
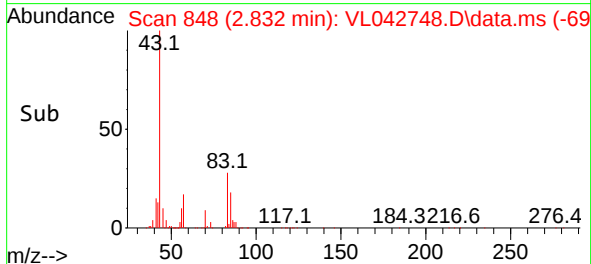
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



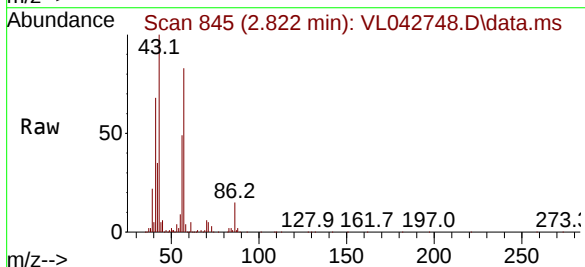
Tgt Ion: 43 Resp: 10185
Ion Ratio Lower Upper
43 100
45 9.9 7.8 11.6
61 8.9 6.7 10.1
70 8.2 6.6 10.0

Manual Integrations
APPROVED

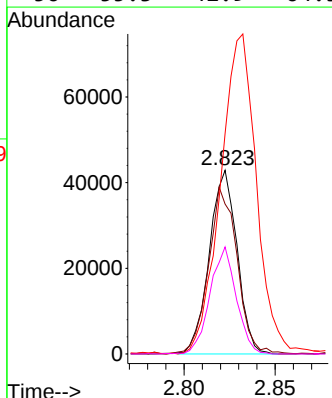
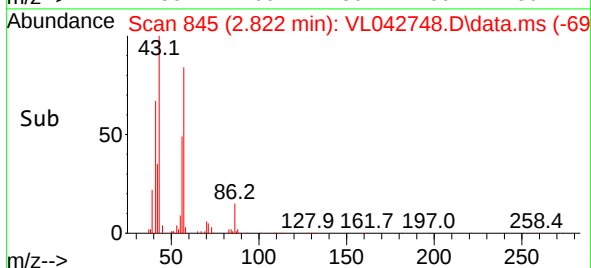
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

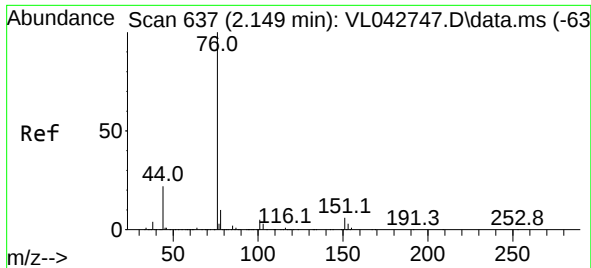


#26
Hexane
Concen: 2.137 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34



Tgt Ion: 57 Resp: 45446
Ion Ratio Lower Upper
57 100
41 94.1 75.4 113.2
43 230.2 185.0 277.6
56 55.3 42.9 64.3





#27

Carbon Disulfide

Concen: 2.030 ppbv

RT: 2.146 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

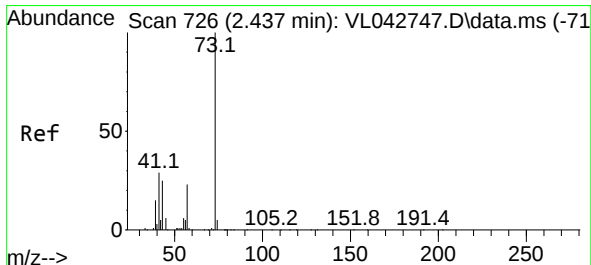
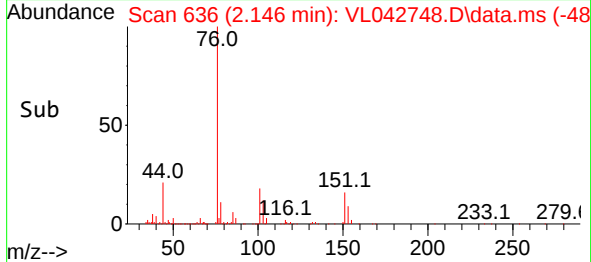
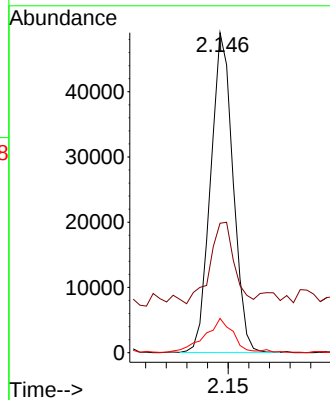
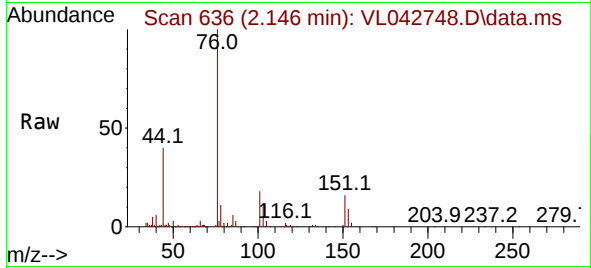
VSTDIC002

Tgt Ion: 76	Resp: 3694
Ion Ratio	Lower Upper
76	100
44	71.1 19.3 28.9
78	13.6 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: 2.051 ppbv

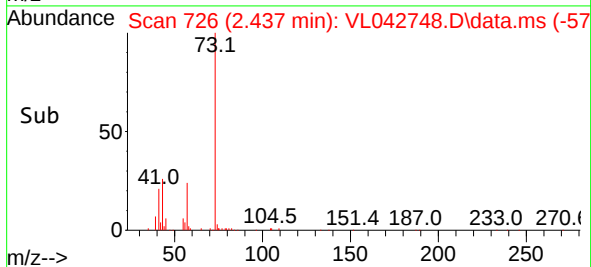
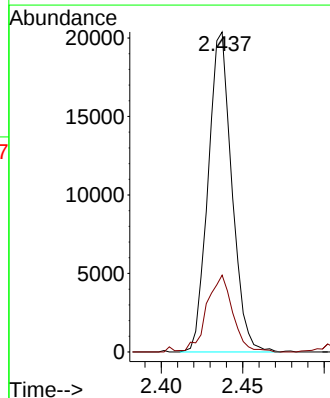
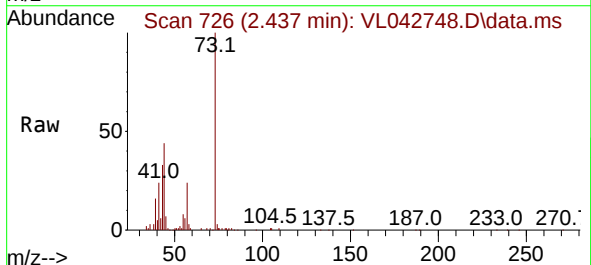
RT: 2.437 min Scan# 726

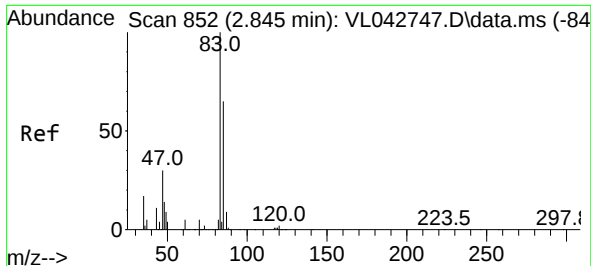
Delta R.T. -0.000 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Tgt Ion: 73	Resp: 20603
Ion Ratio	Lower Upper
73	100
57	26.7 19.8 29.8





#29

Chloroform

Concen: 2.062 ppbv

RT: 2.842 min Scan# 851

Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 83 Resp: 6775

Ion Ratio Lower Upper

83 100

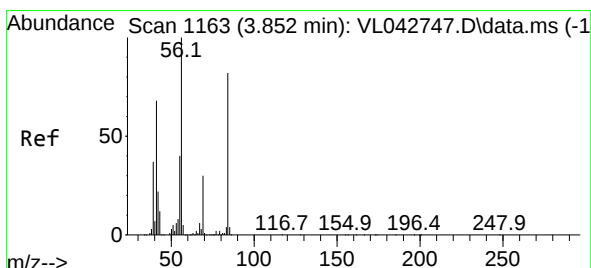
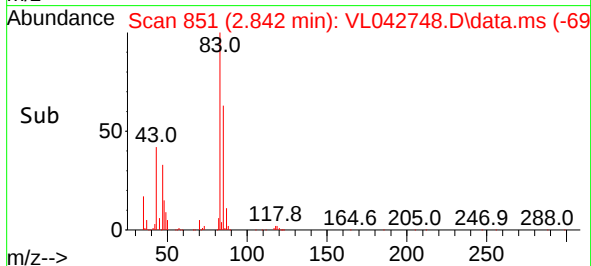
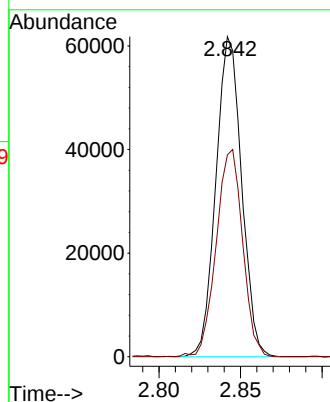
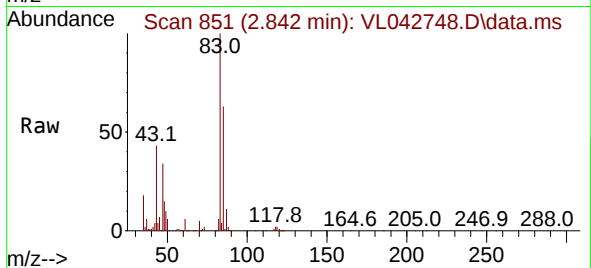
85 63.0 52.2 78.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#30

Cyclohexane

Concen: 2.113 ppbv m

RT: 3.845 min Scan# 1161

Delta R.T. -0.007 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

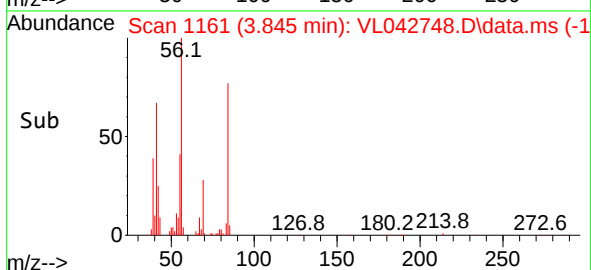
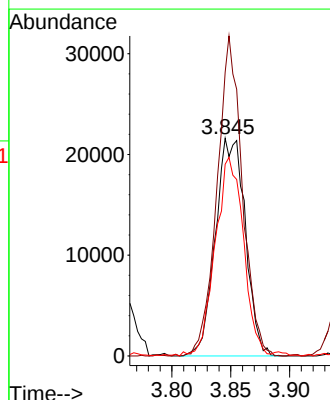
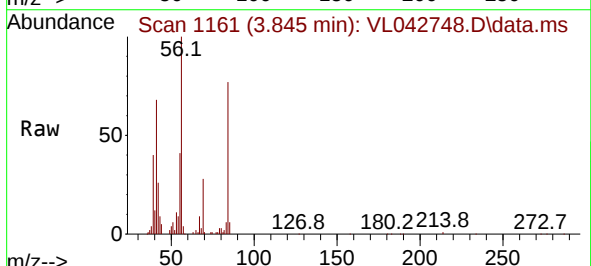
Tgt Ion: 84 Resp: 38095

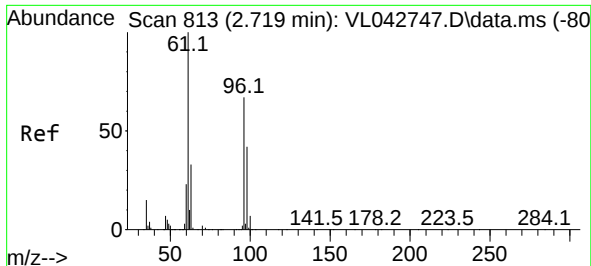
Ion Ratio Lower Upper

84 100

56 124.9 97.5 146.3

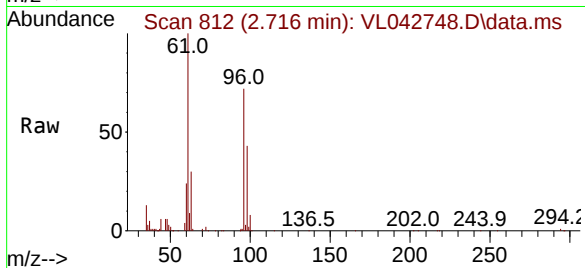
41 87.4 67.2 100.8





#31
 cis-1,2-Dichloroethene
 Concen: 2.053 ppbv
 RT: 2.716 min Scan# 813
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

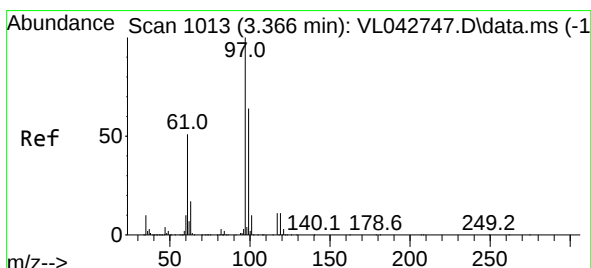
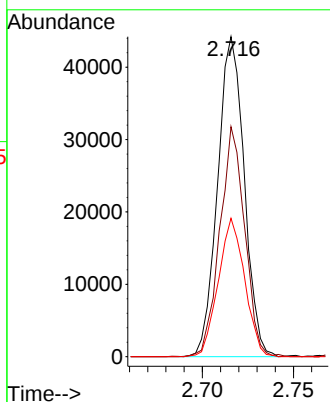
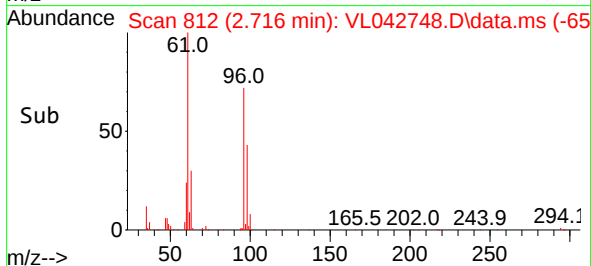
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



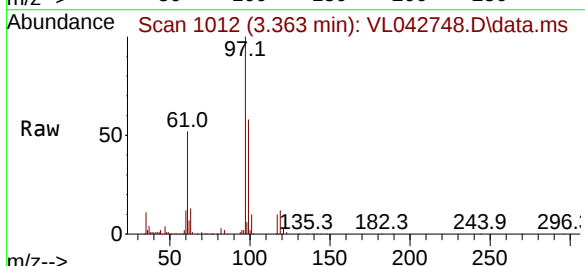
Tgt Ion: 61 Resp: 44860
 Ion Ratio Lower Upper
 61 100
 96 71.8 53.5 80.3
 98 43.3 33.6 50.4

Manual Integrations
 APPROVED

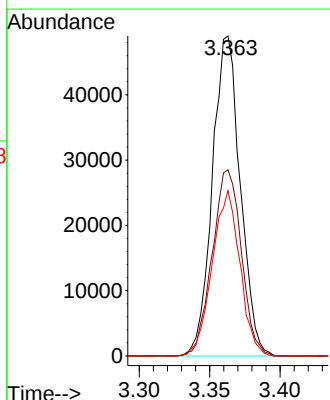
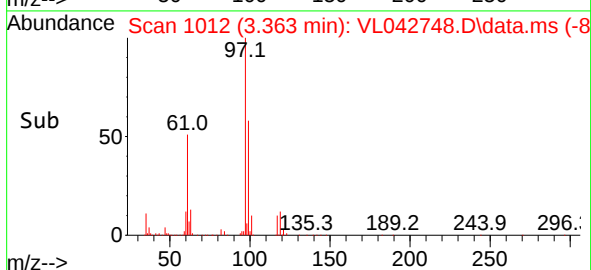
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

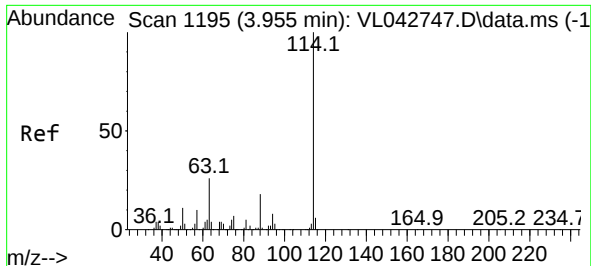


#32
 1,1,1-Trichloroethane
 Concen: 1.976 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34



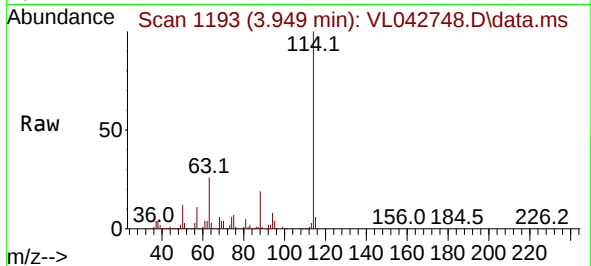
Tgt Ion: 97 Resp: 67608
 Ion Ratio Lower Upper
 97 100
 99 60.8 51.0 76.6
 61 51.3 40.9 61.3





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

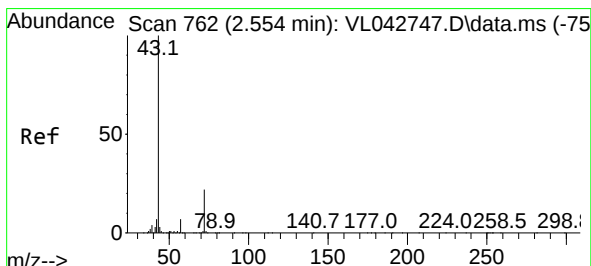
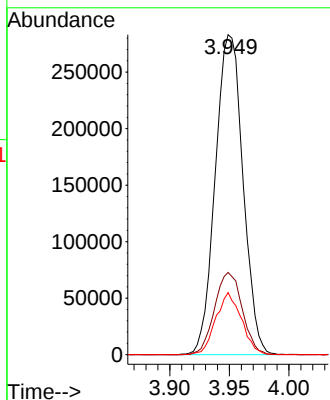
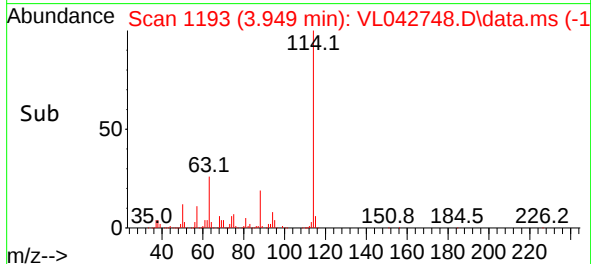
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



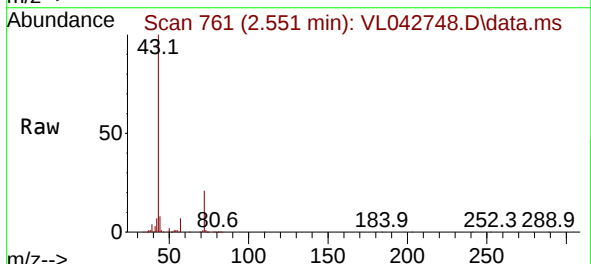
Tgt Ion:114 Resp: 457804
Ion Ratio Lower Upper
114 100
63 25.7 20.5 30.7
88 18.0 14.0 21.0

Manual Integrations
APPROVED

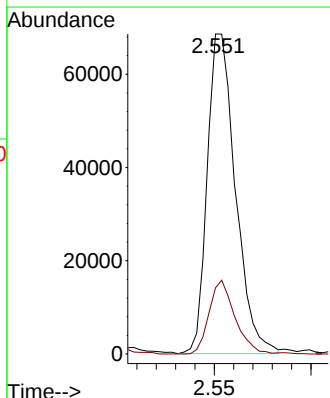
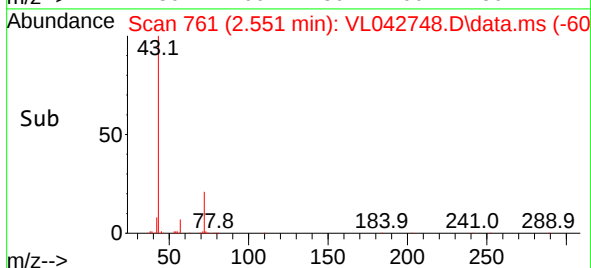
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

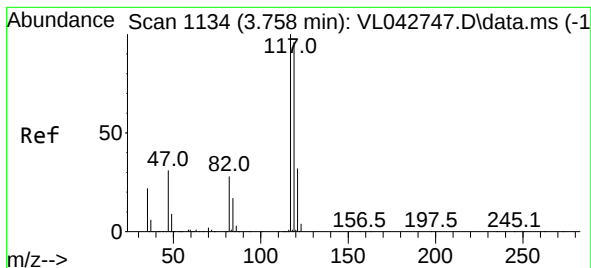


#34
2-Butanone
Concen: 2.149 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34



Tgt Ion: 43 Resp: 69674
Ion Ratio Lower Upper
43 100
72 21.2 17.4 26.0





#35

Carbon Tetrachloride

Concen: 1.979 ppbv

RT: 3.755 min Scan# 1133

Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

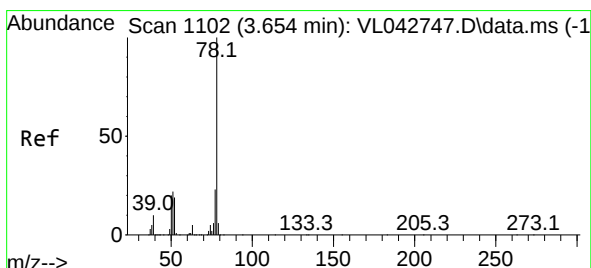
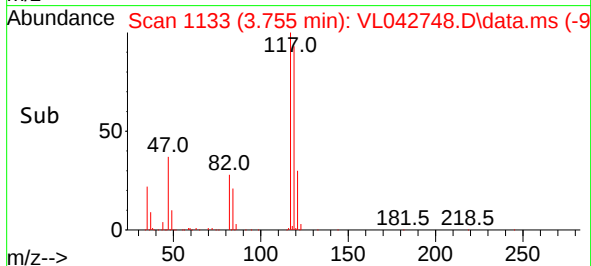
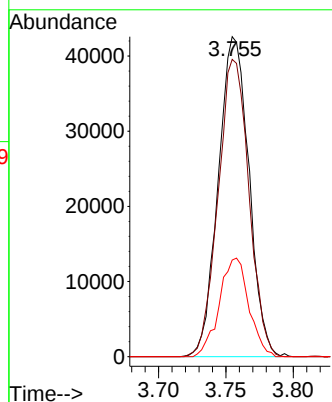
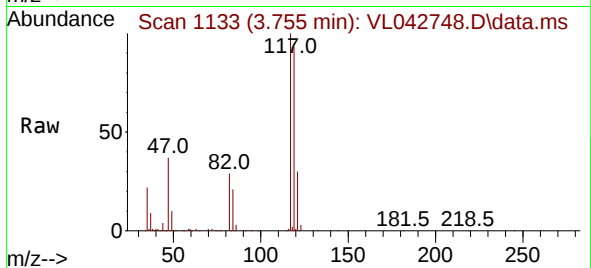
VSTDICC002

Tgt Ion:	117	Resp:	67338
Ion	Ratio	Lower	Upper
117	100		
119	92.9	77.1	115.7
121	30.2	25.5	38.3

Manual Integrations

APPROVED

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



#36

Benzene

Concen: 2.101 ppbv

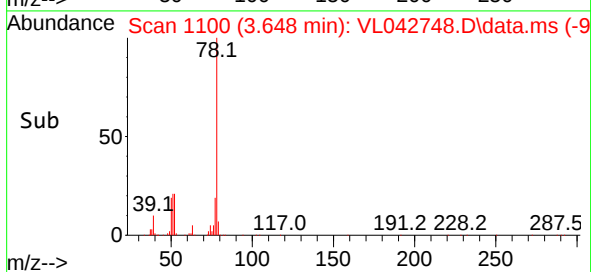
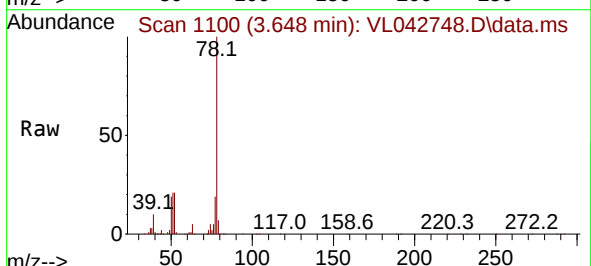
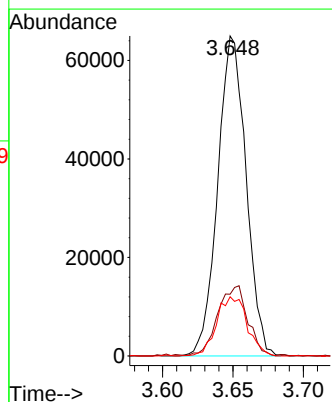
RT: 3.648 min Scan# 1100

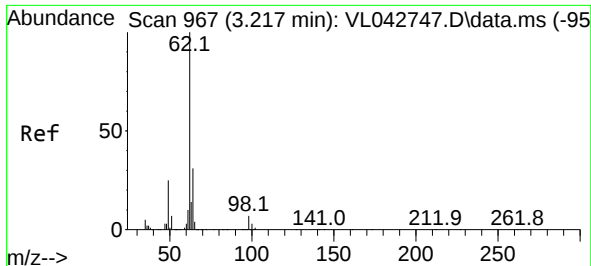
Delta R.T. -0.007 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Tgt Ion:	78	Resp:	91141
Ion	Ratio	Lower	Upper
78	100		
77	19.0	18.5	27.7
50	18.5	16.2	24.2





#37

1,2-Dichloroethane

Concen: 2.046 ppbv

RT: 3.211 min Scan# 9

Delta R.T. -0.007 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 62 Resp: 5348

Ion Ratio Lower Upper

62 100

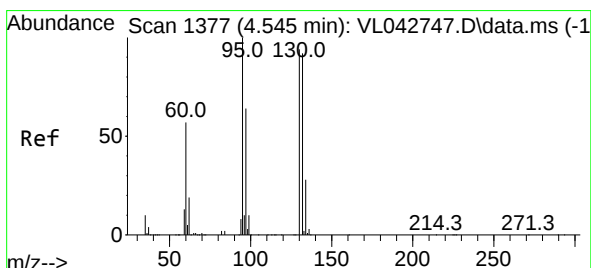
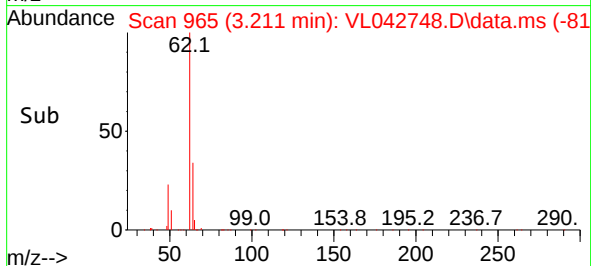
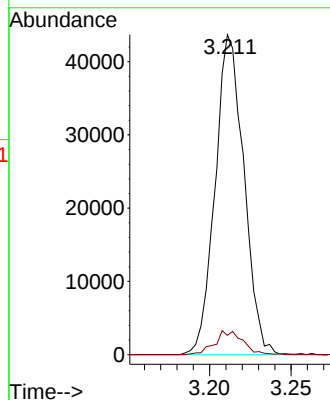
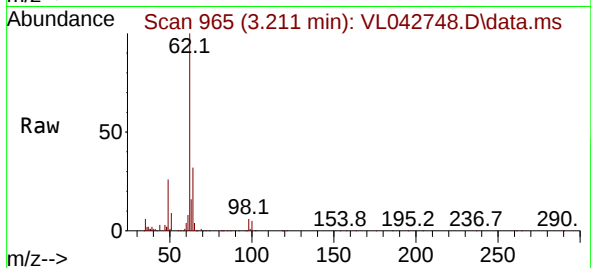
98 7.3 5.2 7.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#38

Trichloroethene

Concen: 1.946 ppbv

RT: 4.538 min Scan# 1375

Delta R.T. -0.007 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Tgt Ion:130 Resp: 40713

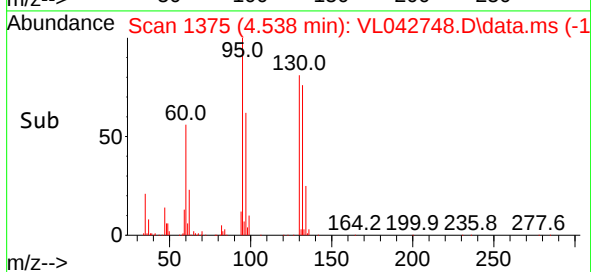
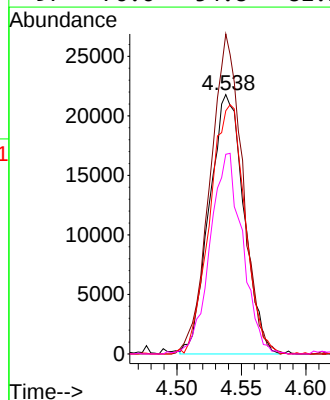
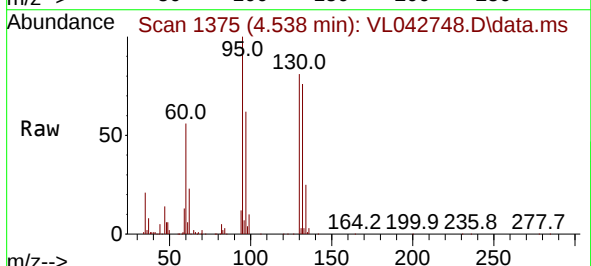
Ion Ratio Lower Upper

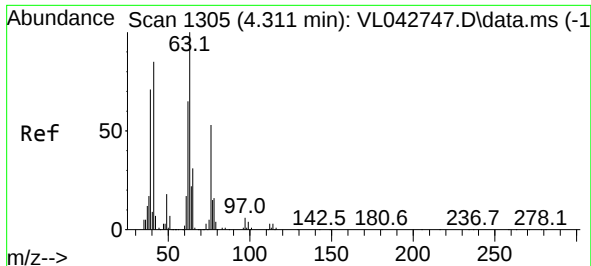
130 100

95 122.9 85.4 128.2

132 94.1 78.2 117.2

97 76.6 54.8 82.2





#39

1,2-Dichloropropane

Concen: 2.075 ppbv

RT: 4.305 min Scan# 1303

Delta R.T. -0.007 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

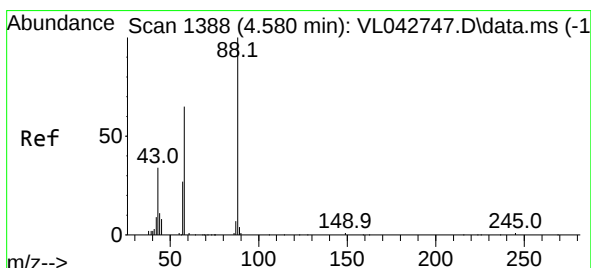
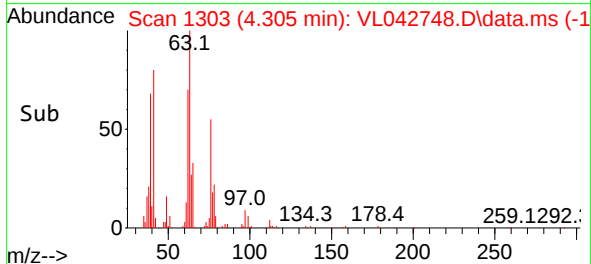
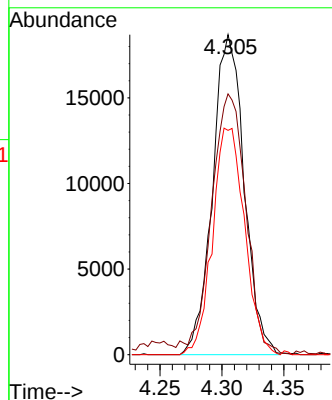
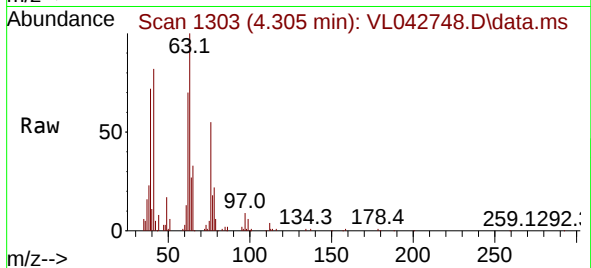
Tgt Ion: 63 Resp: 33225

Ion	Ratio	Lower	Upper
63	100		
41	80.8	68.2	102.4
62	70.1	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: 2.104 ppbv m

RT: 4.583 min Scan# 1389

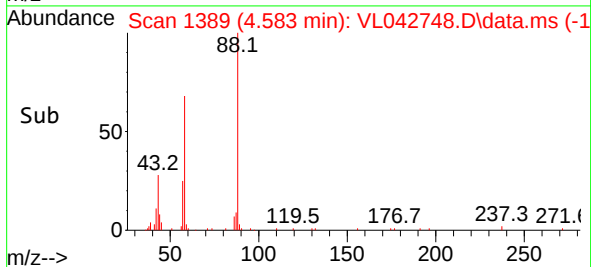
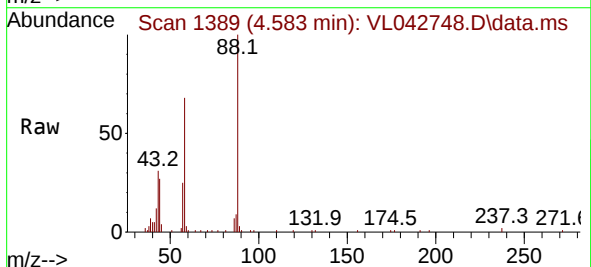
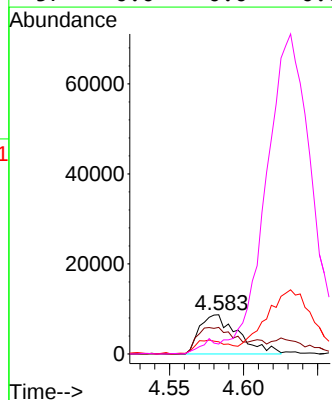
Delta R.T. 0.003 min

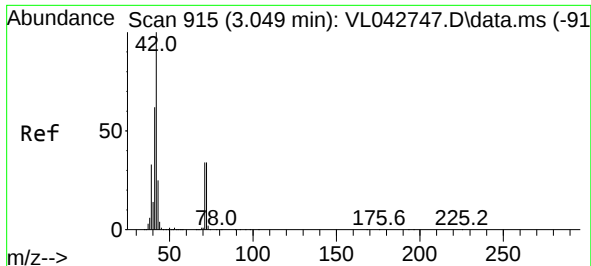
Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Tgt Ion: 88 Resp: 15890

Ion	Ratio	Lower	Upper
88	100		
58	80.9	58.8	88.2
43	0.0	28.9	43.3#
57	0.0	0.0	0.0





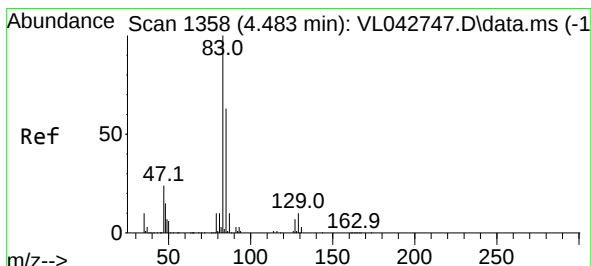
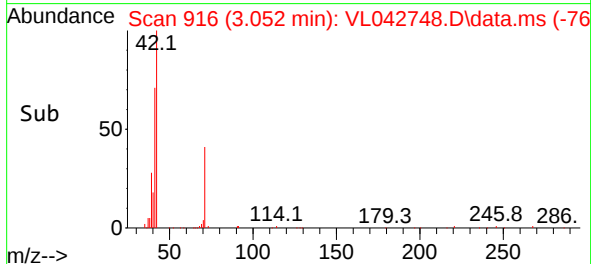
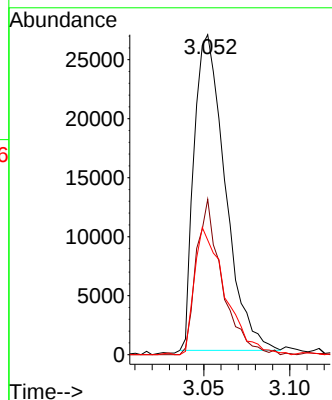
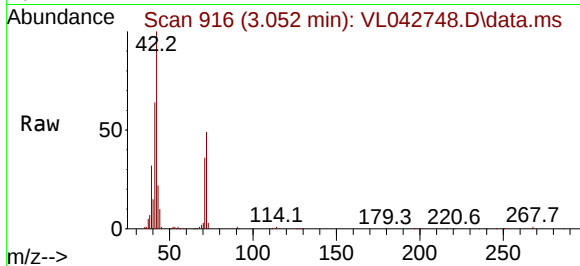
#41
Tetrahydrofuran
Concen: 2.064 ppbv
RT: 3.052 min Scan# 915
Delta R.T. 0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 42 Resp: 33618
Ion Ratio Lower Upper
42 100
72 41.3 30.9 46.3
71 40.4 28.6 43.0

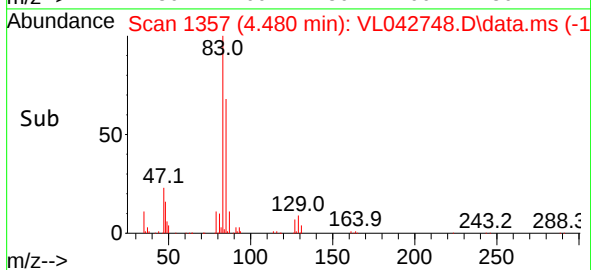
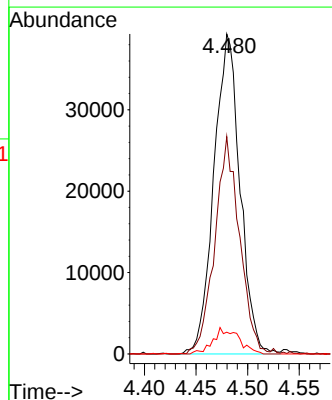
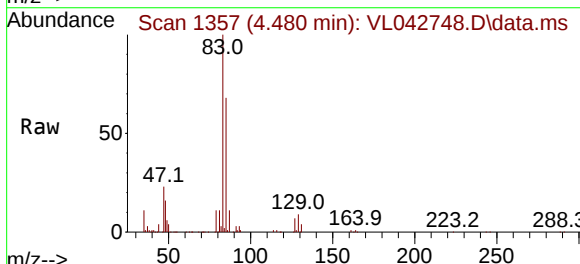
Manual Integrations
APPROVED

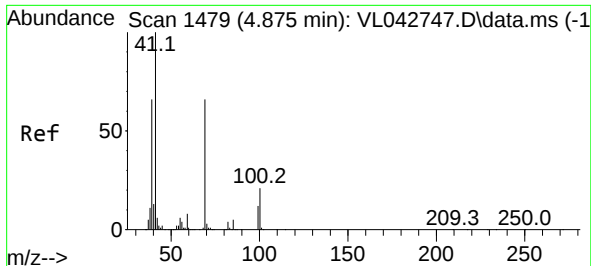
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#42
Bromodichloromethane
Concen: 2.028 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

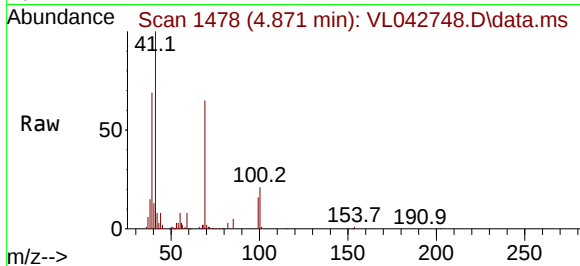
Tgt Ion: 83 Resp: 69093
Ion Ratio Lower Upper
83 100
85 67.9 50.2 75.4
127 6.8 5.4 8.2





#43
Methyl Methacrylate
Concen: 1.967 ppbv
RT: 4.871 min Scan# 1479
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

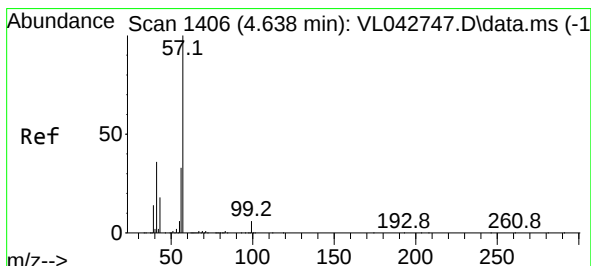
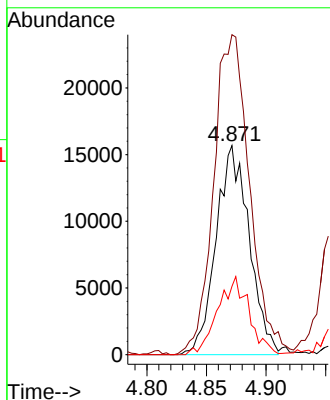
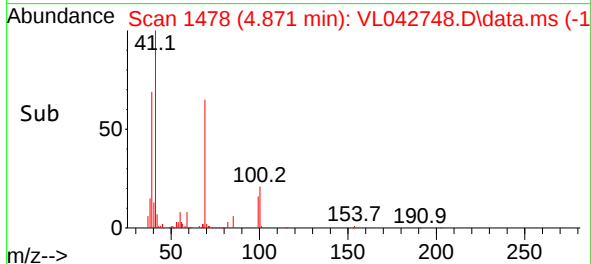
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



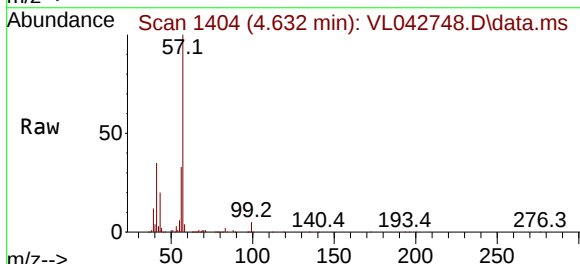
Tgt Ion: 69 Resp: 30330
Ion Ratio Lower Upper
69 100
41 164.3 125.7 188.5
100 35.5 28.6 42.8

Manual Integrations
APPROVED

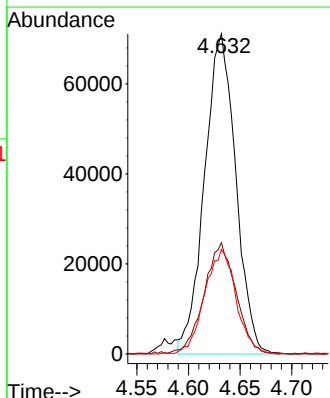
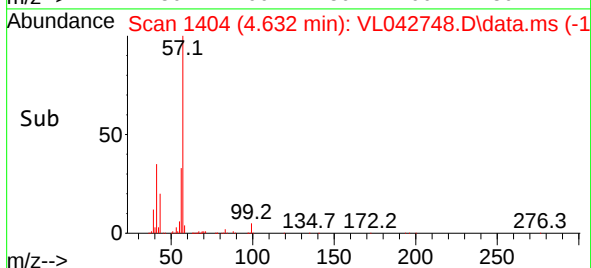
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

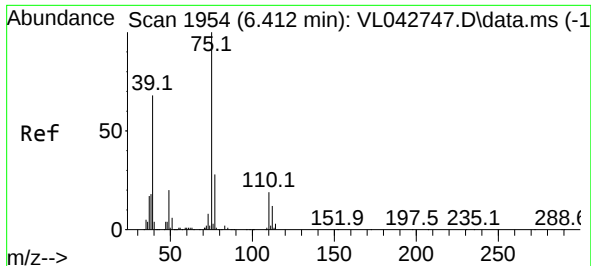


#44
2,2,4-Trimethylpentane
Concen: 2.115 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34



Tgt Ion: 57 Resp: 149588
Ion Ratio Lower Upper
57 100
41 36.0 28.3 42.5
56 32.9 25.8 38.6





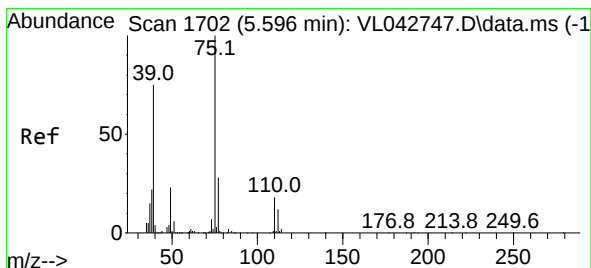
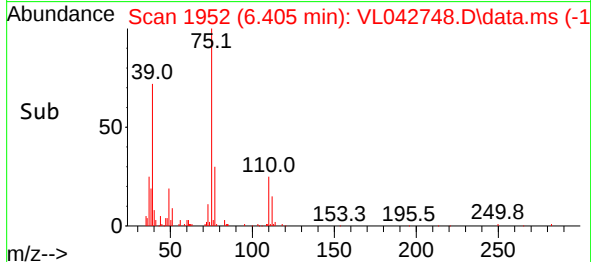
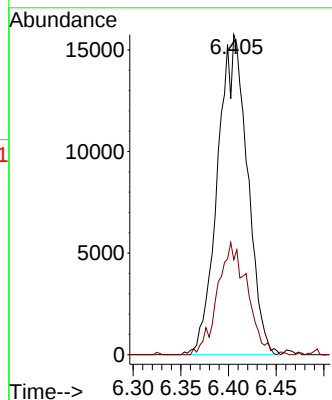
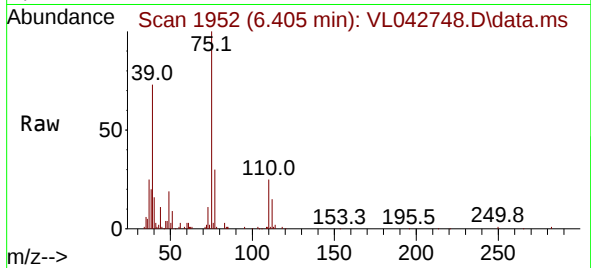
#45
t-1,3-Dichloropropene
Concen: 1.984 ppbv m
RT: 6.405 min Scan# 1954
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 3433
Ion Ratio Lower Upper
75 100
77 29.7 22.4 33.6

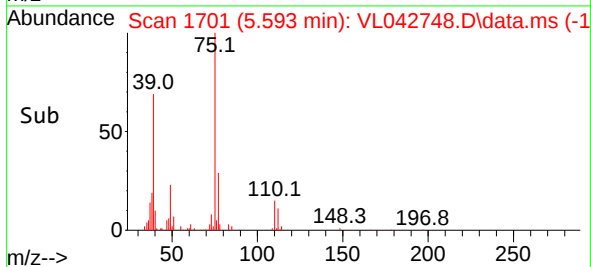
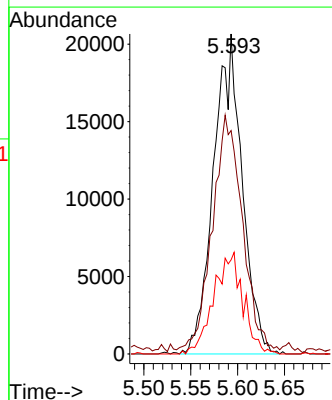
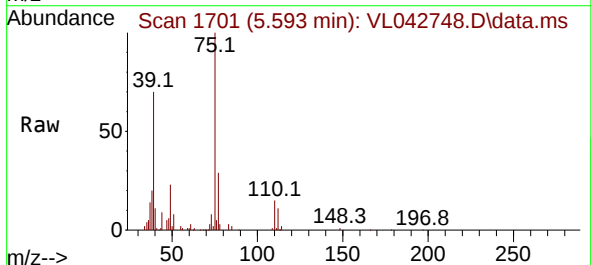
Manual Integrations
APPROVED

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



#46
cis-1,3-Dichloropropene
Concen: 2.000 ppbv m
RT: 5.593 min Scan# 1701
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

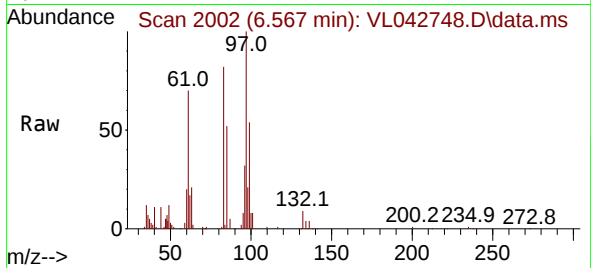
Tgt Ion: 75 Resp: 43845
Ion Ratio Lower Upper
75 100
39 69.8 60.2 90.2
77 29.4 22.6 34.0





#47
1,1,2-Trichloroethane
Concen: 2.063 ppbv m
RT: 6.567 min Scan# 2006
Delta R.T. -0.013 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

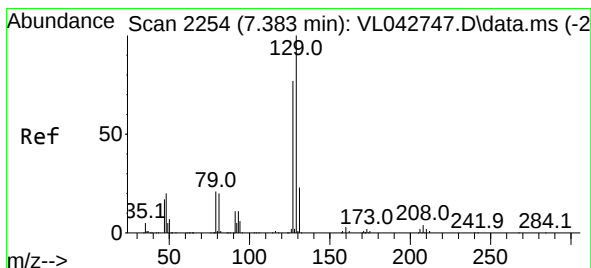
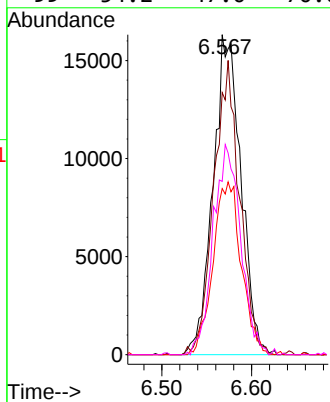
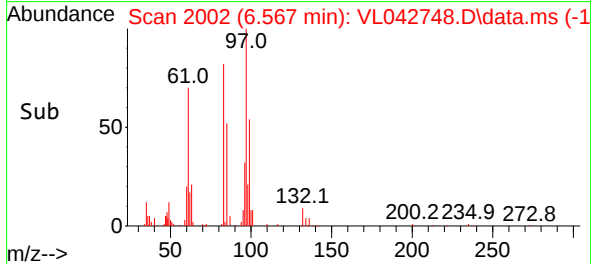
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 97 Resp: 3522
Ion Ratio Lower Upper
97 100
83 81.9 71.1 106.7
85 51.9 43.0 64.4
99 54.2 47.0 70.6

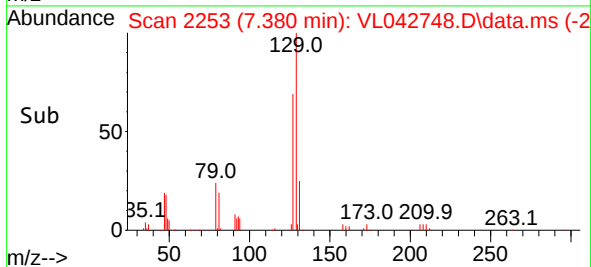
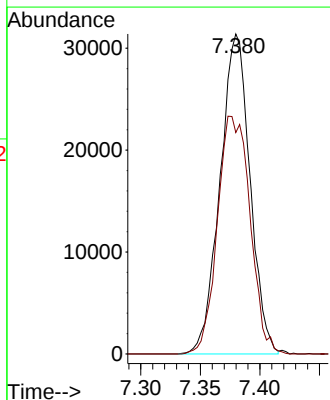
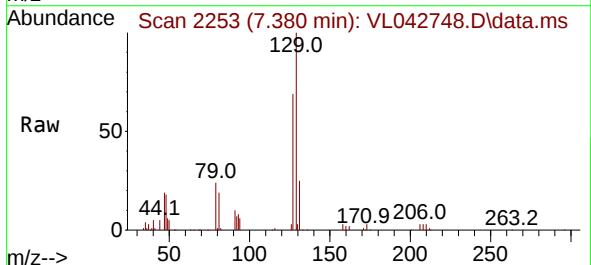
Manual Integrations
APPROVED

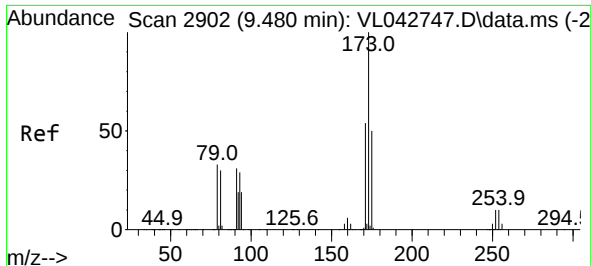
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#48
Dibromochloromethane
Concen: 2.026 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:129 Resp: 54906
Ion Ratio Lower Upper
129 100
127 80.8 38.7 116.1





#49

Bromoform

Concen: 2.003 ppbv

RT: 9.477 min Scan# 2901

Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

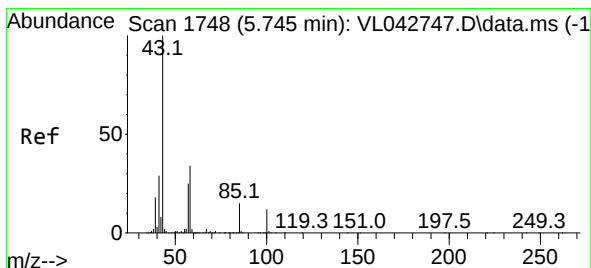
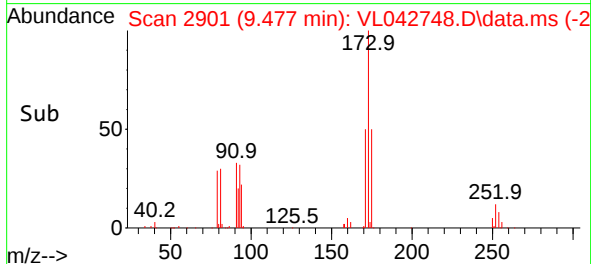
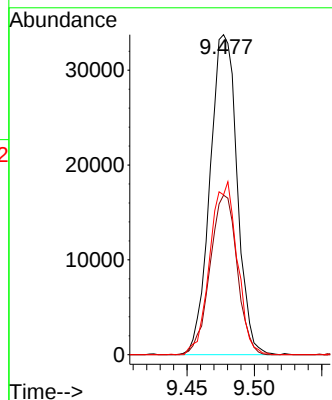
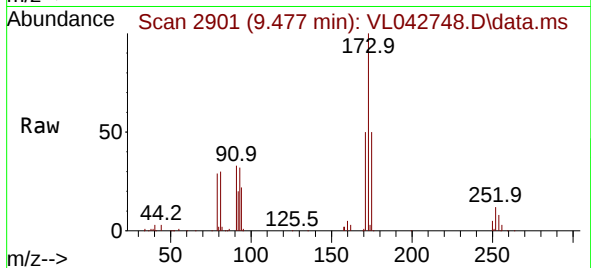
VSTDIC002

Tgt Ion:173	Resp:	47340
Ion Ratio	Lower	Upper
173	100	
175	49.7	38.4 57.6
171	54.2	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: 2.120 ppbv m

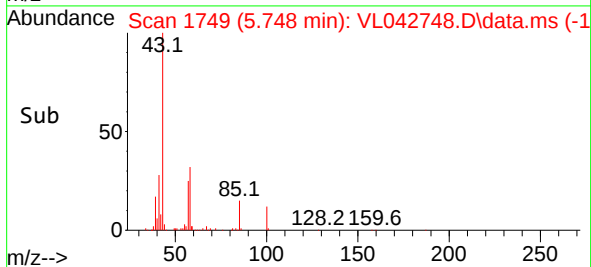
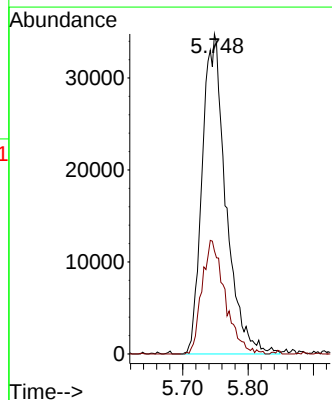
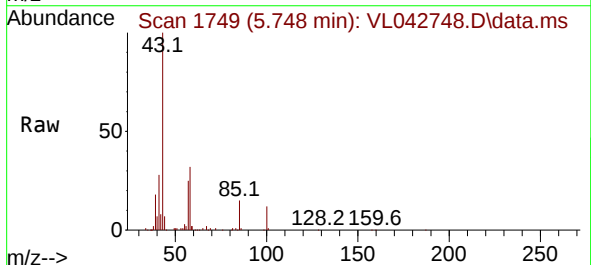
RT: 5.748 min Scan# 1749

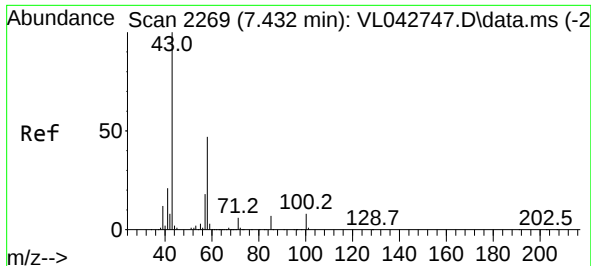
Delta R.T. 0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

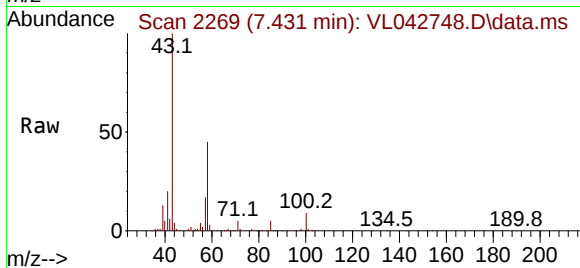
Tgt Ion: 43	Resp:	87566
Ion Ratio	Lower	Upper
43	100	
58	34.8	27.8 41.8





#51
2-Hexanone
Concen: 2.157 ppbv
RT: 7.431 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

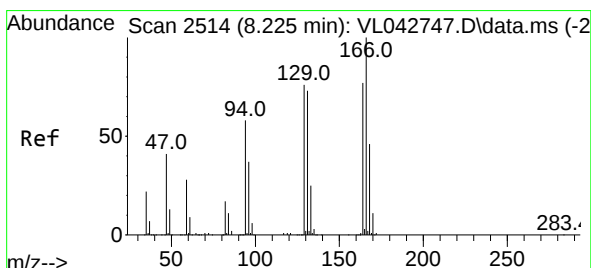
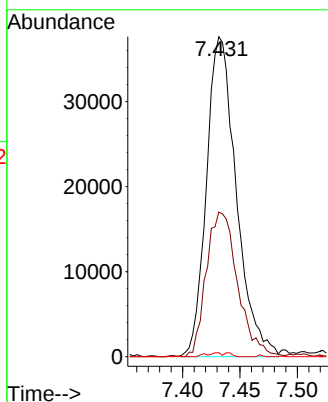
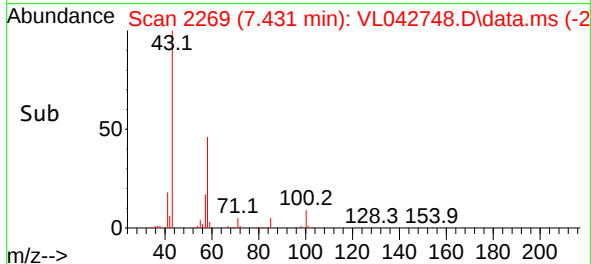
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



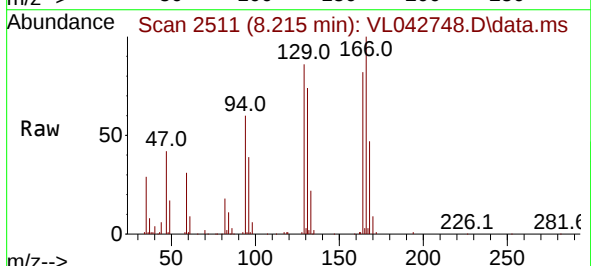
Tgt Ion: 43 Resp: 6809
Ion Ratio Lower Upper
43 100
58 48.2 38.0 57.0
98 1.0 0.2 0.4

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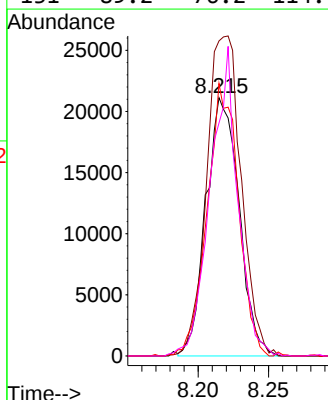
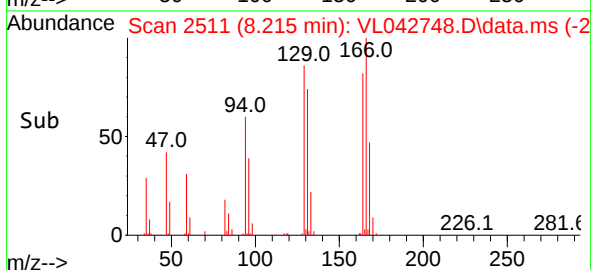
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

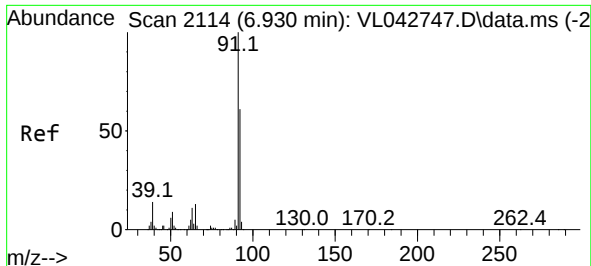


#52
Tetrachloroethene
Concen: 1.917 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.010 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34



Tgt Ion:164 Resp: 34568
Ion Ratio Lower Upper
164 100
166 121.7 104.0 156.0
129 103.9 79.2 118.8
131 89.2 76.2 114.4





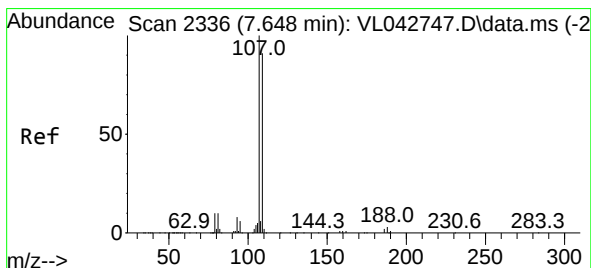
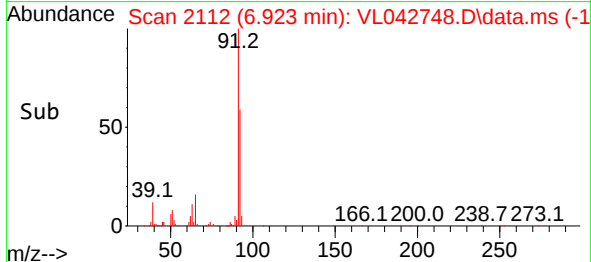
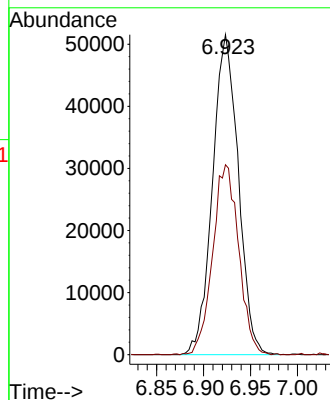
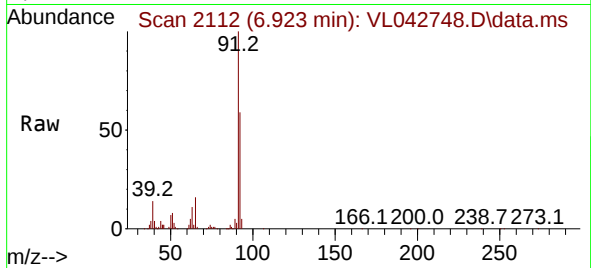
#53
Toluene
Concen: 2.111 ppbv
RT: 6.923 min Scan# 2112
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 98340
Ion Ratio Lower Upper
91 100
92 59.8 48.0 72.0

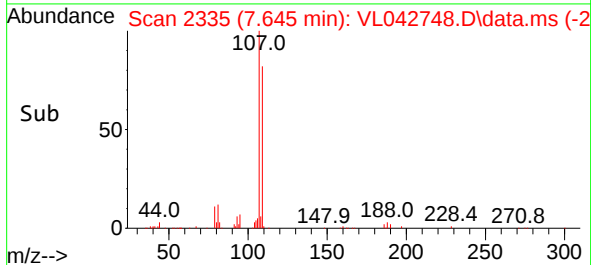
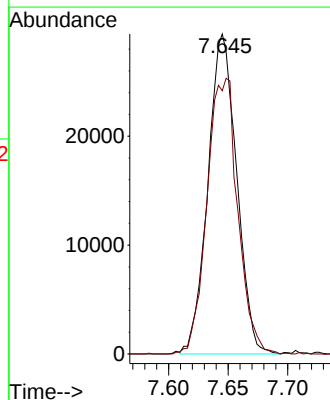
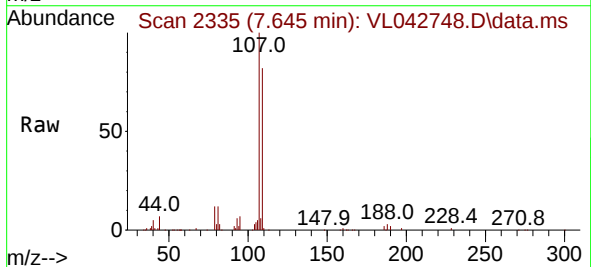
Manual Integrations
APPROVED

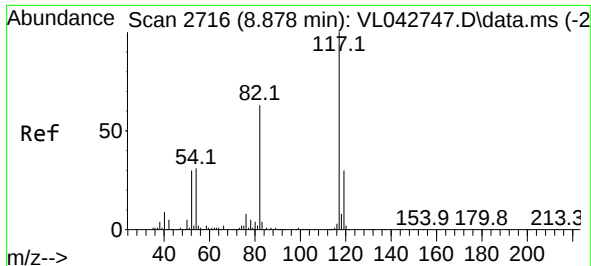
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#54
1,2-Dibromoethane
Concen: 2.042 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

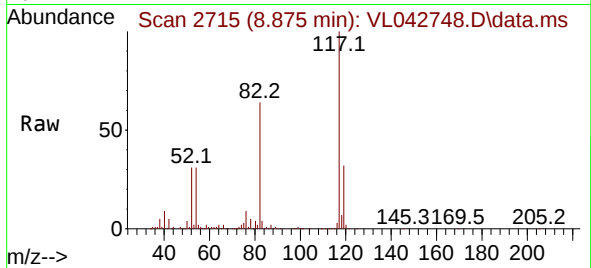
Tgt Ion:107 Resp: 49346
Ion Ratio Lower Upper
107 100
109 82.2 72.7 109.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2716
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

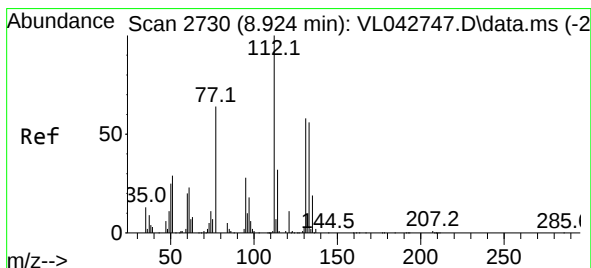
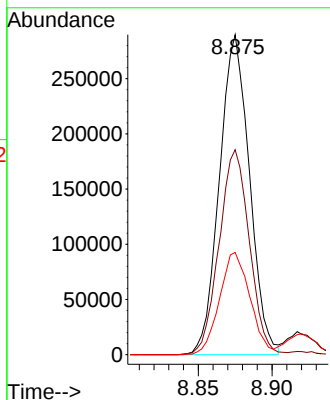
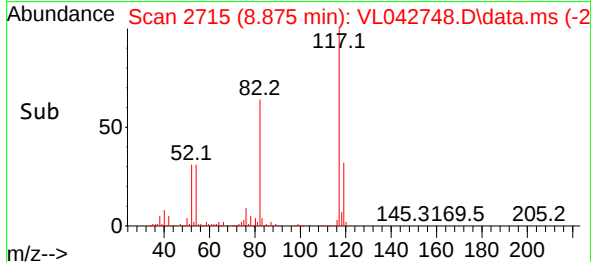
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion:117 Resp: 410740
Ion Ratio Lower Upper
117 100
82 65.2 53.3 79.9
119 33.2 25.8 38.6

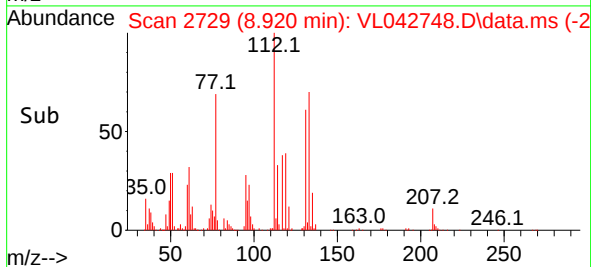
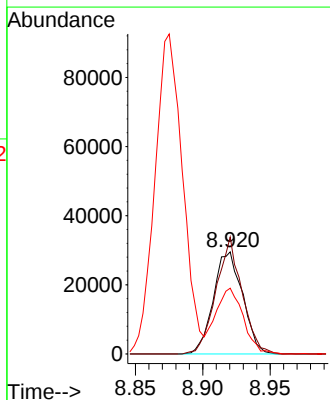
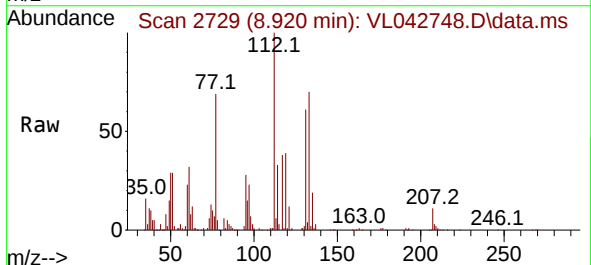
Manual Integrations
APPROVED

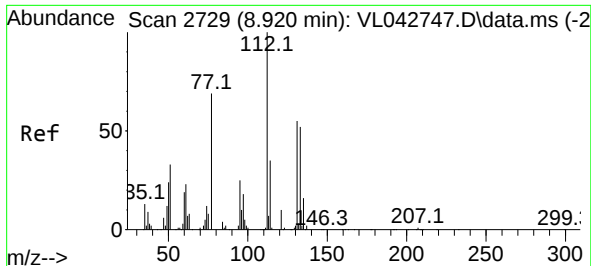
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 2.079 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:131 Resp: 44409
Ion Ratio Lower Upper
131 100
133 102.1 76.8 115.2
119 54.2 49.7 74.5





#57

Chlorobenzene

Concen: 2.101 ppbv

RT: 8.914 min Scan# 21

Delta R.T. -0.007 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

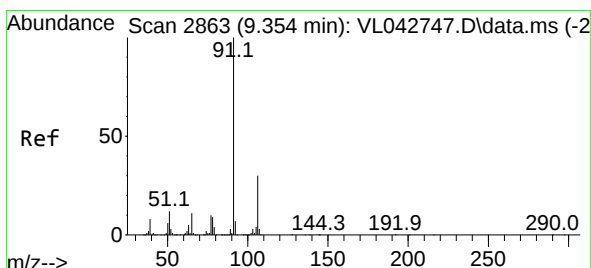
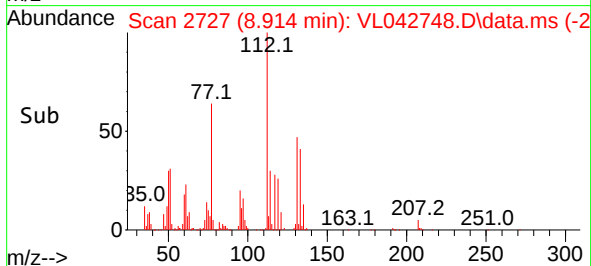
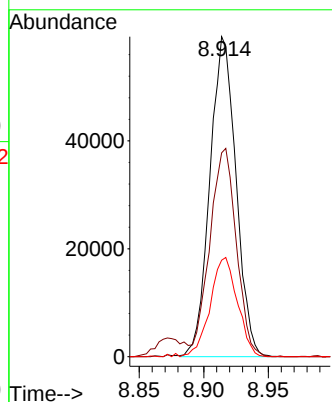
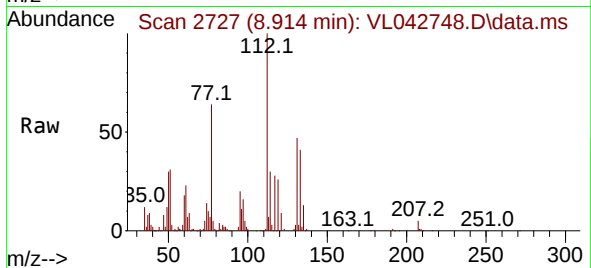
VSTDIC002

Tgt Ion:	112	Resp:	8350
Ion Ratio	Lower	Upper	
112	100		
77	63.5	56.4	84.6
114	30.2	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: 2.208 ppbv

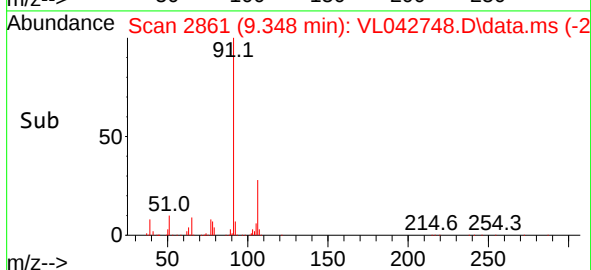
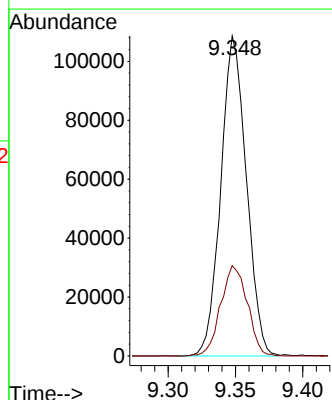
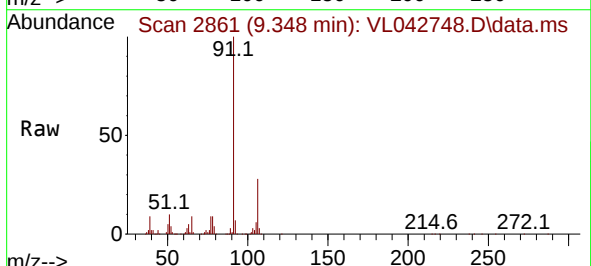
RT: 9.348 min Scan# 2861

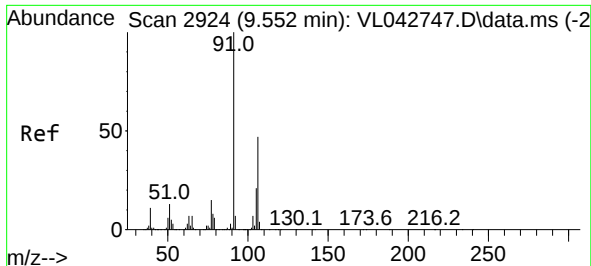
Delta R.T. -0.007 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Tgt Ion:	91	Resp:	143251
Ion Ratio	Lower	Upper	
91	100		
106	28.2	23.8	35.6





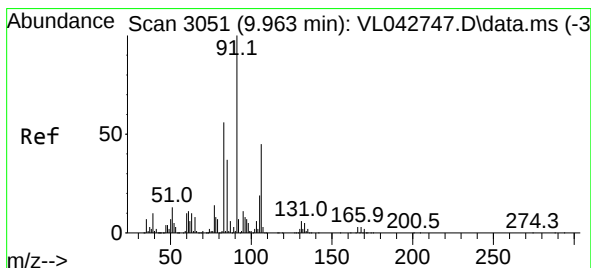
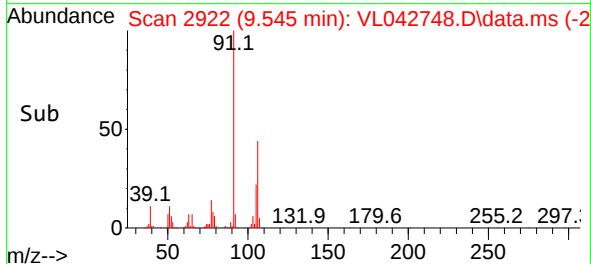
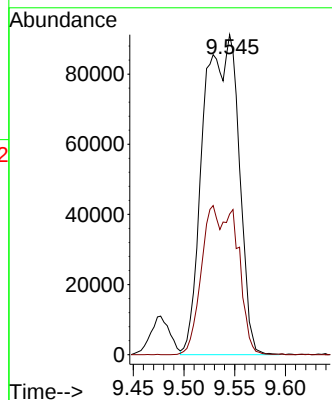
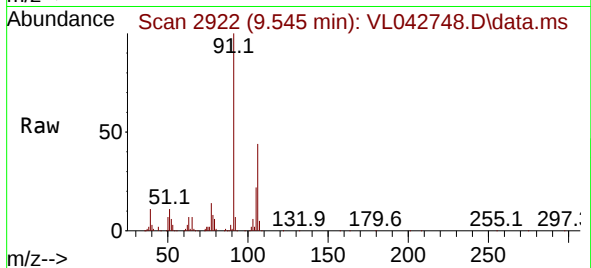
#59
m/p-Xylene
Concen: 4.290 ppbv m
RT: 9.545 min Scan# 2924
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 22246
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2

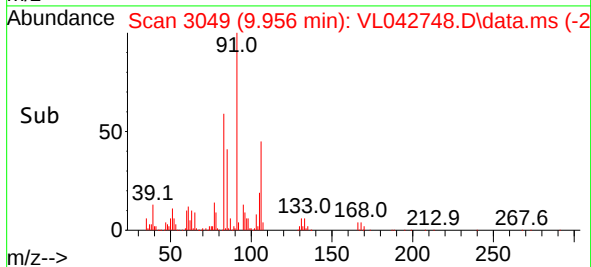
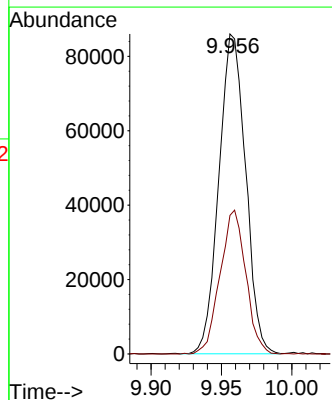
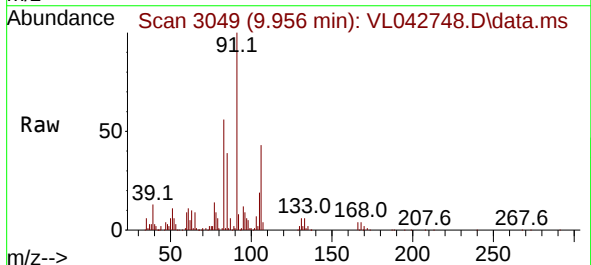
Manual Integrations
APPROVED

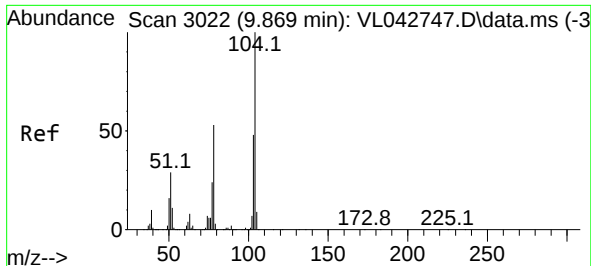
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#60
o-Xylene
Concen: 2.190 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 113462
Ion Ratio Lower Upper
91 100
106 43.4 22.0 66.0





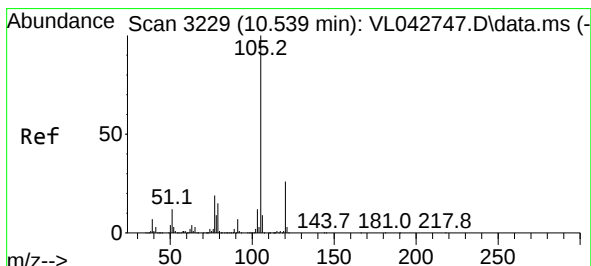
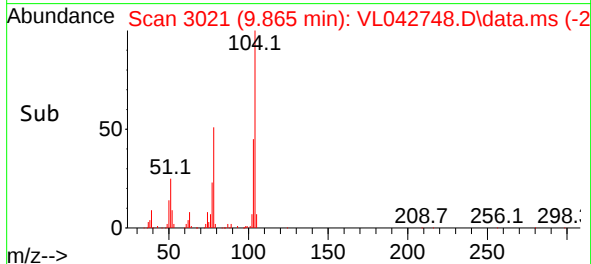
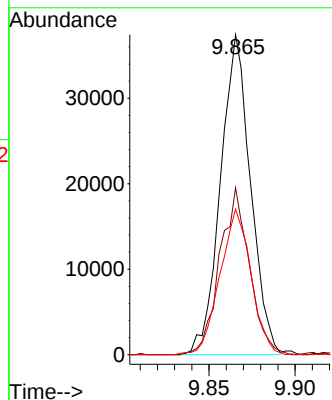
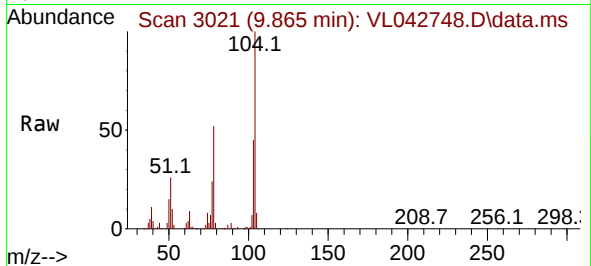
#61
Styrene
Concen: 2.081 ppbv
RT: 9.865 min Scan# 3022
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion:104 Resp: 4535
Ion Ratio Lower Upper
104 100
78 51.7 41.5 62.3
103 47.1 37.5 56.3

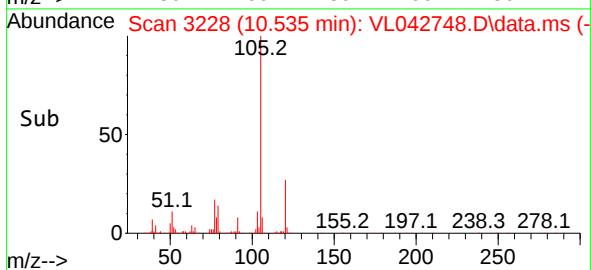
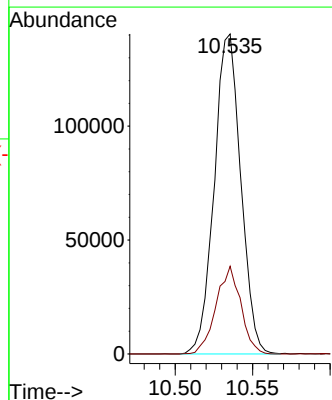
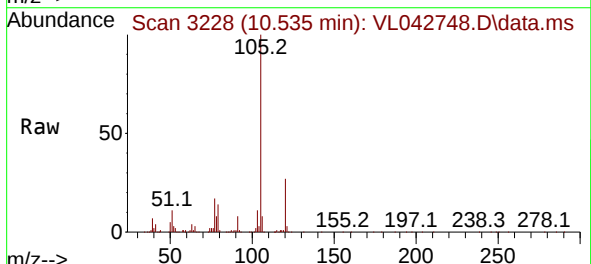
Manual Integrations
APPROVED

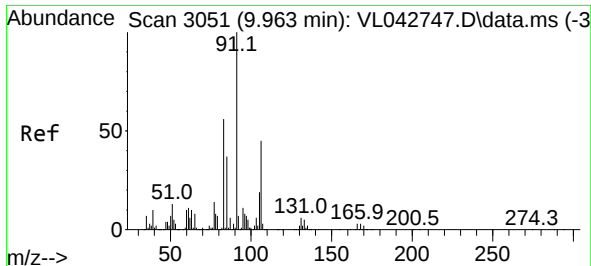
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#62
Isopropylbenzene
Concen: 2.187 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

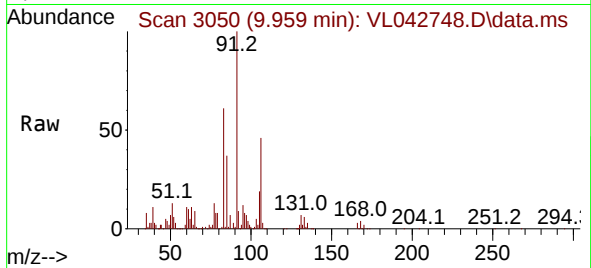
Tgt Ion:105 Resp: 167108
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7





#63
1,1,2,2-Tetrachloroethane
Concen: 1.954 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

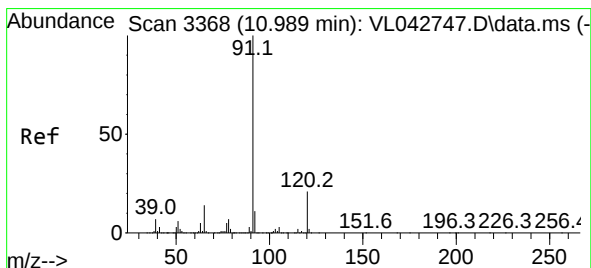
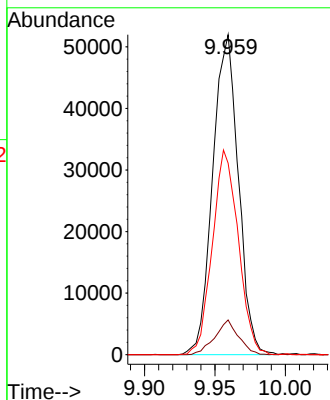
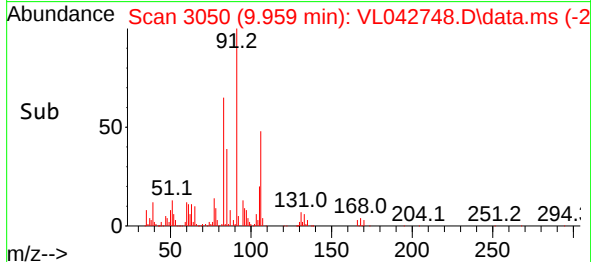
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



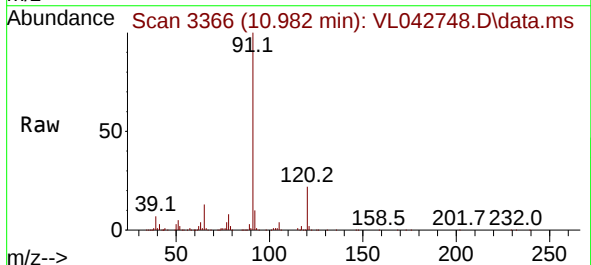
Tgt Ion: 83 Resp: 65928
Ion Ratio Lower Upper
83 100
131 10.1 5.0 15.0
85 64.7 32.6 97.7

Manual Integrations
APPROVED

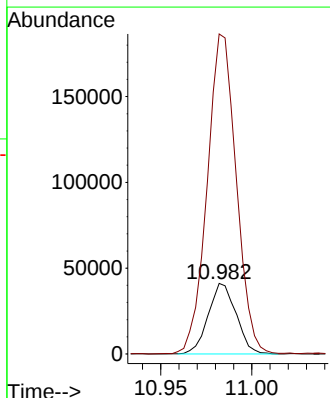
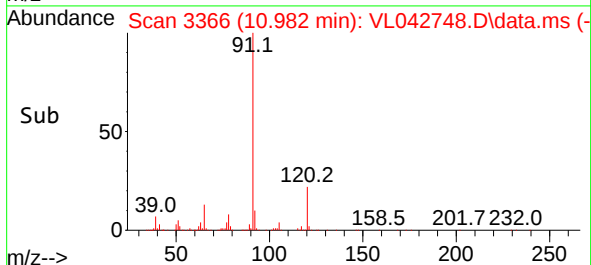
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

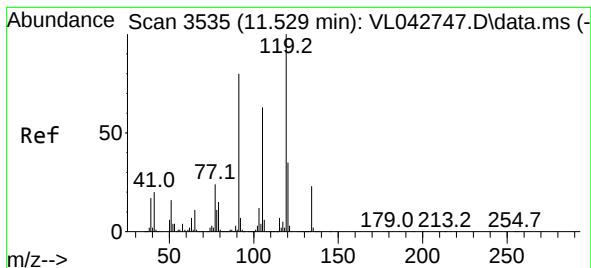


#64
n-propylbenzene
Concen: 2.198 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34



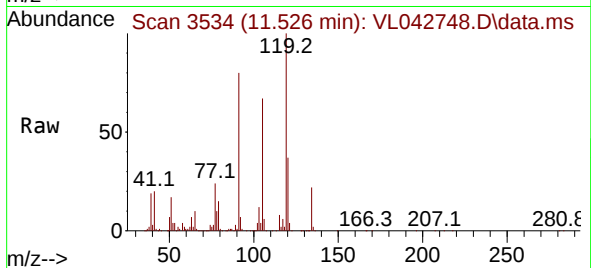
Tgt Ion:120 Resp: 43789
Ion Ratio Lower Upper
120 100
91 472.1 372.7 559.1





#65
tert-Butylbenzene
Concen: 2.226 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

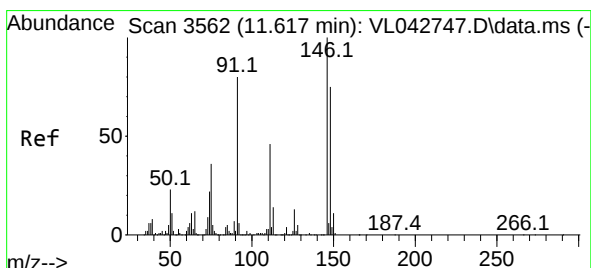
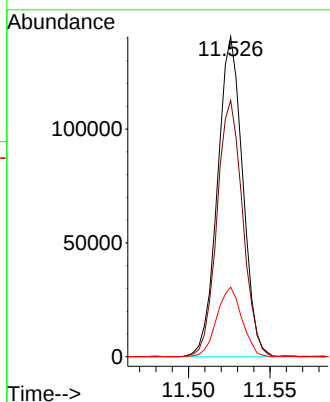
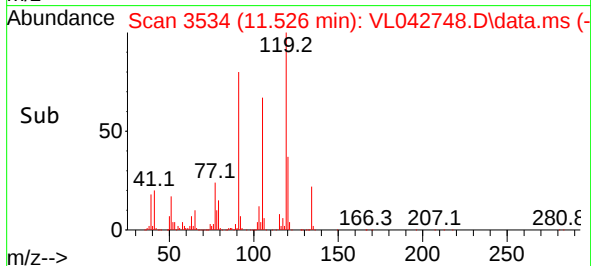
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



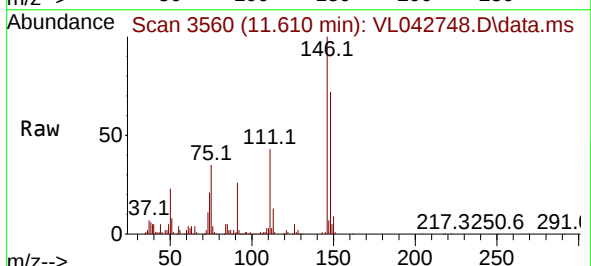
Tgt Ion: 119 Resp: 15108
Ion Ratio Lower Upper
119 100
91 81.8 64.0 96.0
134 21.7 17.3 25.9

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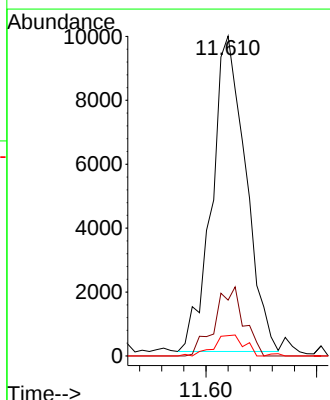
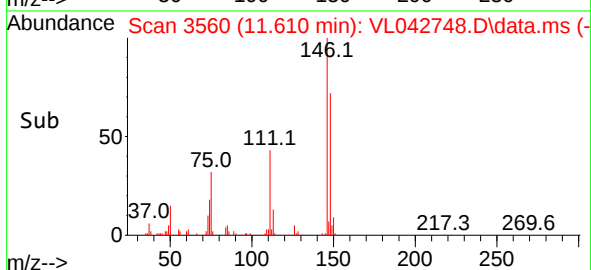
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

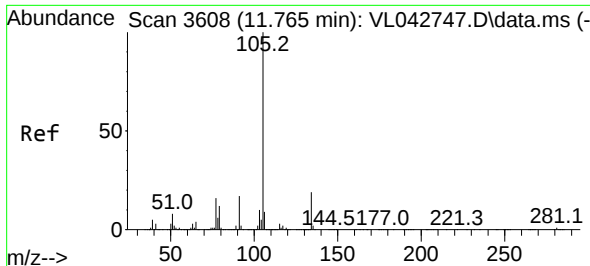


#66
Benzyl Chloride
Concen: 1.882 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34



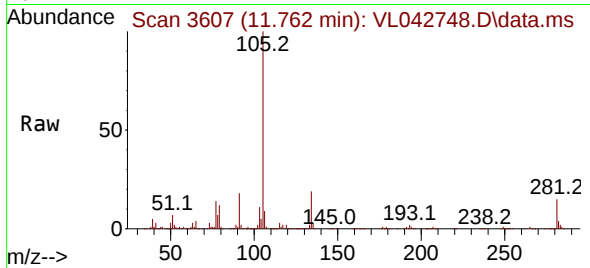
Tgt Ion: 91 Resp: 10485
Ion Ratio Lower Upper
91 100
126 18.8 14.4 21.6
128 6.2 5.2 7.8





#67
 sec-Butylbenzene
 Concen: 2.206 ppbv
 RT: 11.762 min Scan# 3607
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

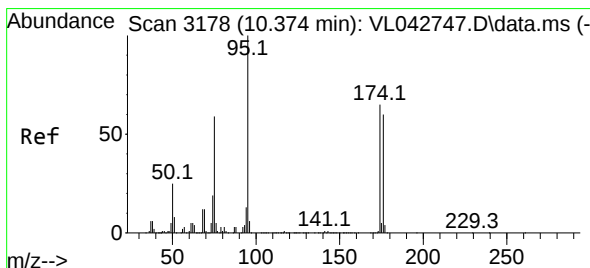
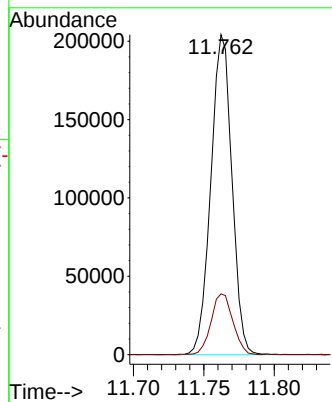
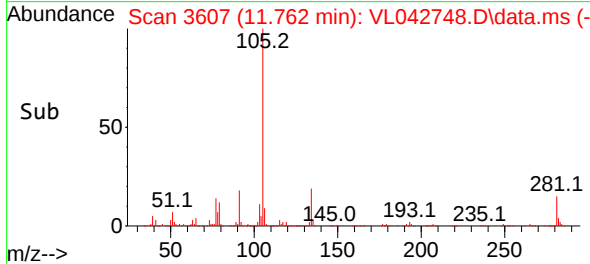
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion:105 Resp: 212925
 Ion Ratio Lower Upper
 105 100
 134 19.8 15.5 23.3

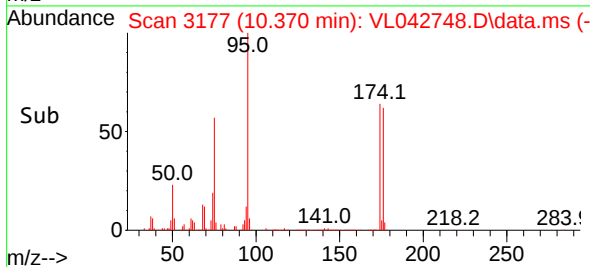
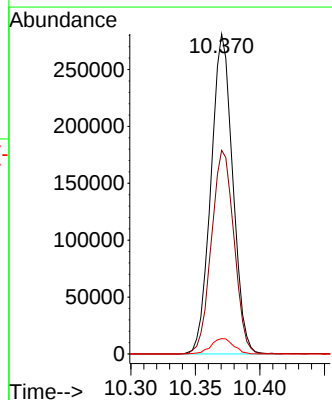
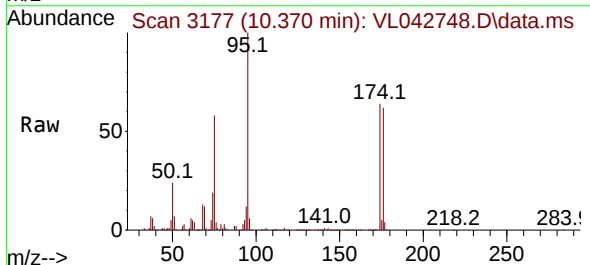
Manual Integrations
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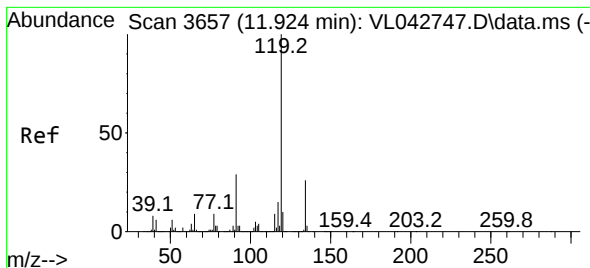
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.160 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

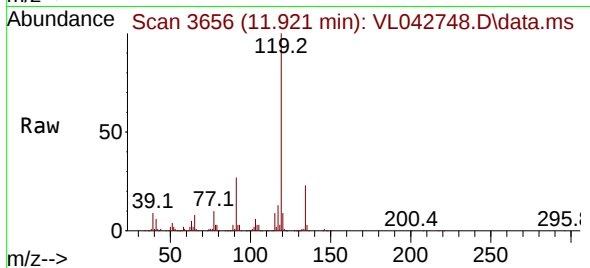
Tgt Ion: 95 Resp: 330476
 Ion Ratio Lower Upper
 95 100
 174 66.2 53.8 80.6
 175 5.0 4.0 6.0





#69
p-Isopropyltoluene
Concen: 2.230 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

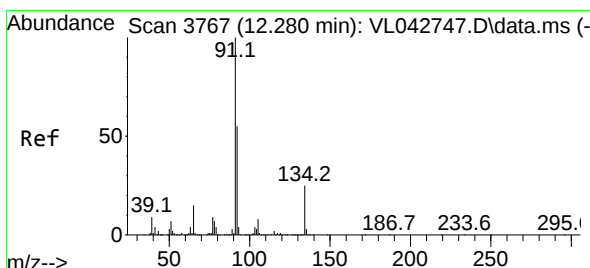
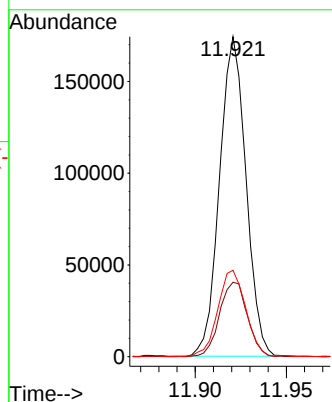
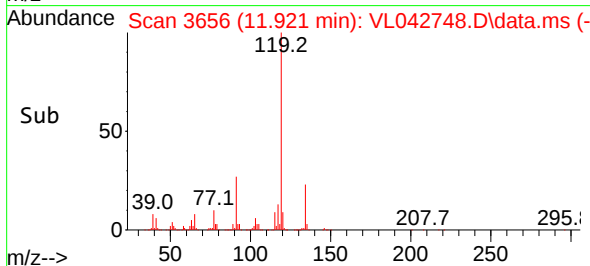
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



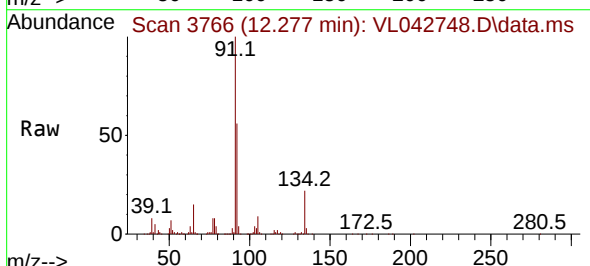
Tgt Ion: 119 Resp: 17555
Ion Ratio Lower Upper
119 100
134 24.7 20.6 31.0
91 29.0 23.2 34.8

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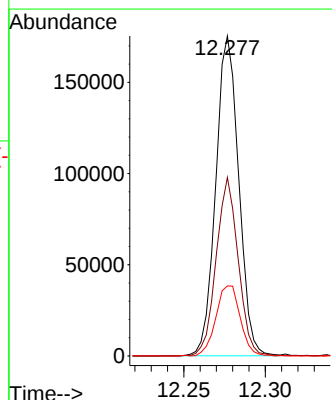
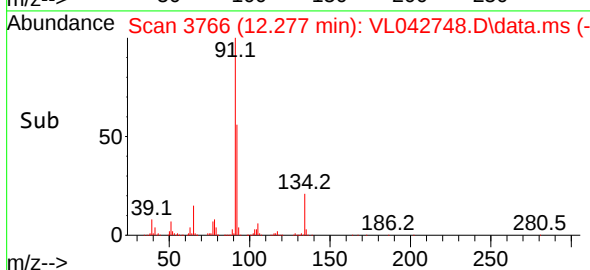
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

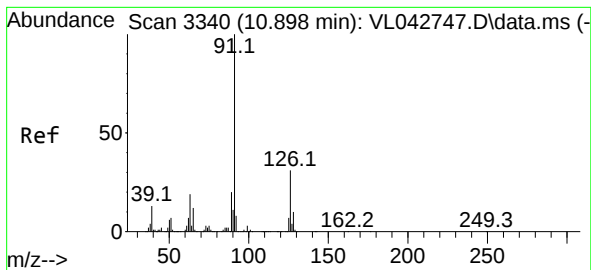


#70
n-Butylbenzene
Concen: 2.258 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34



Tgt Ion: 91 Resp: 171675
Ion Ratio Lower Upper
91 100
92 53.7 43.4 65.2
134 23.4 19.6 29.4





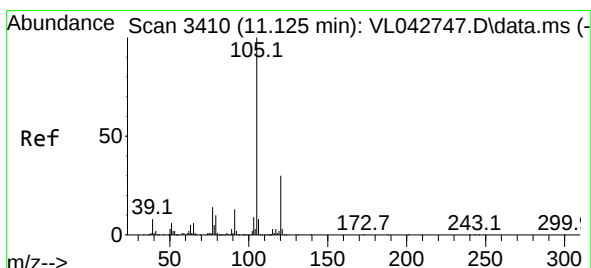
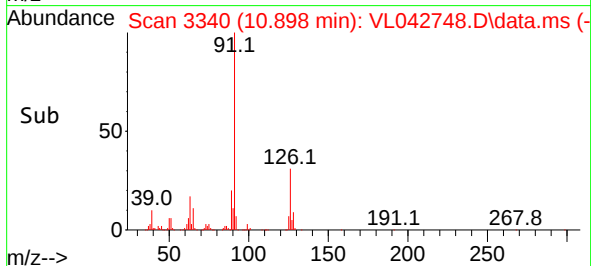
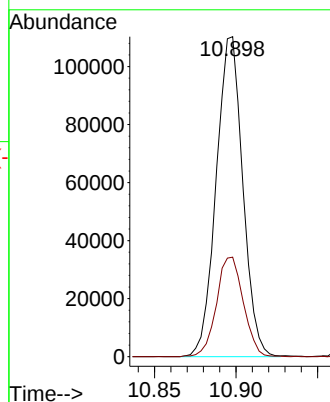
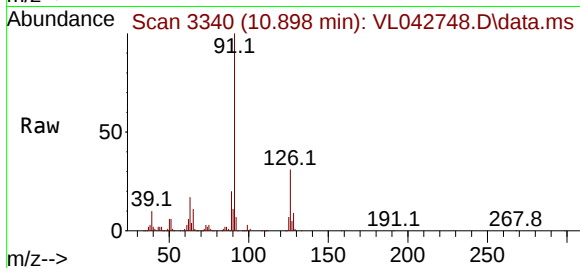
#71
2-Chlorotoluene
Concen: 2.134 ppbv
RT: 10.898 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 125039
Ion Ratio Lower Upper
91 100
126 31.4 12.0 48.2

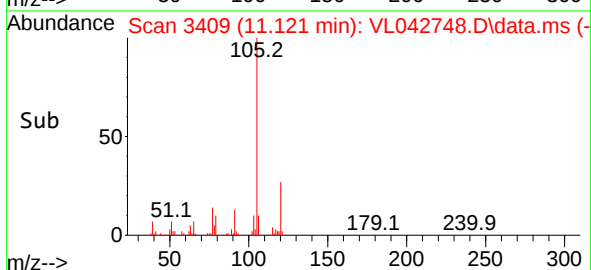
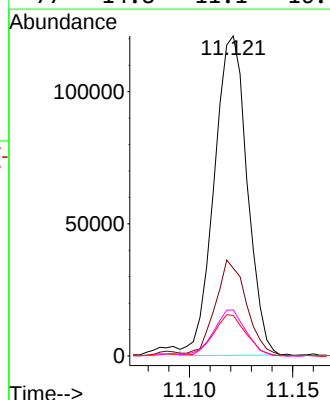
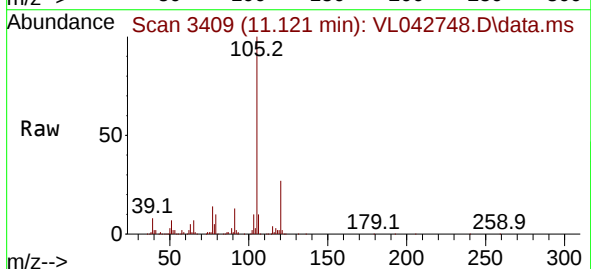
Manual Integrations
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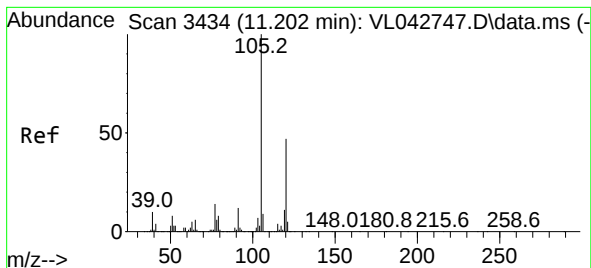
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#72
4-Ethyltoluene
Concen: 2.168 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:105 Resp: 134097
Ion Ratio Lower Upper
105 100
120 29.7 24.4 36.6
91 13.7 10.6 15.8
77 14.8 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 2.122 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:105 Resp: 10805

Ion Ratio Lower Upper

105 100

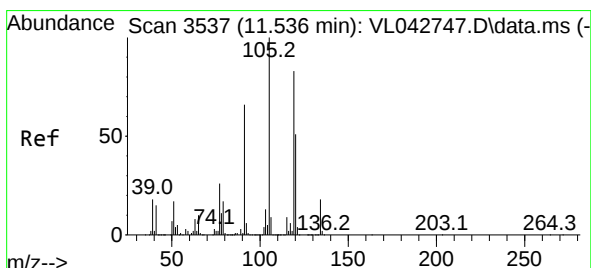
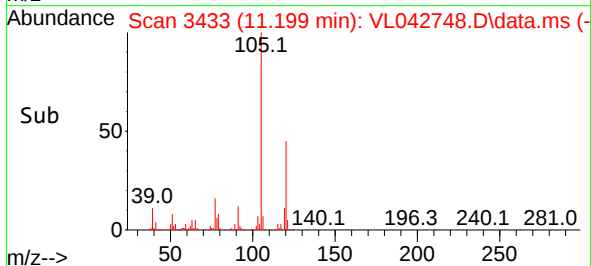
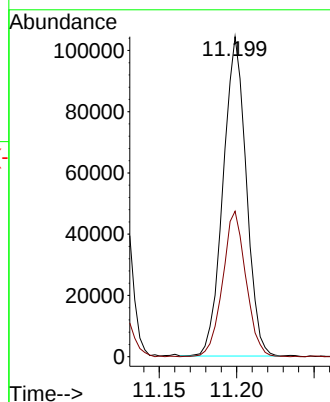
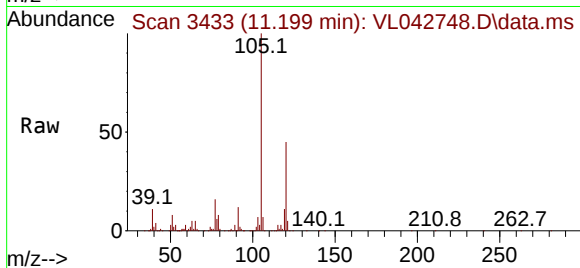
120 45.6 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#74

1,2,4-Trimethylbenzene

Concen: 2.201 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Tgt Ion:105 Resp: 122295

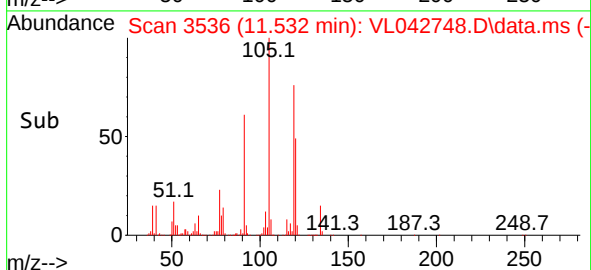
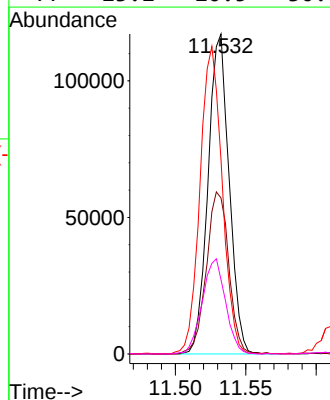
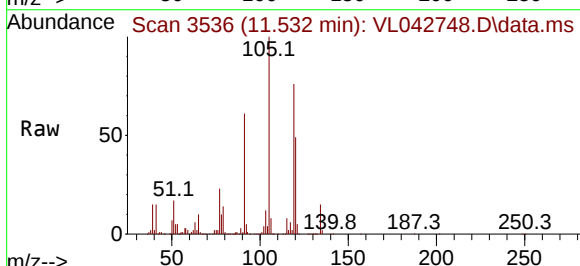
Ion Ratio Lower Upper

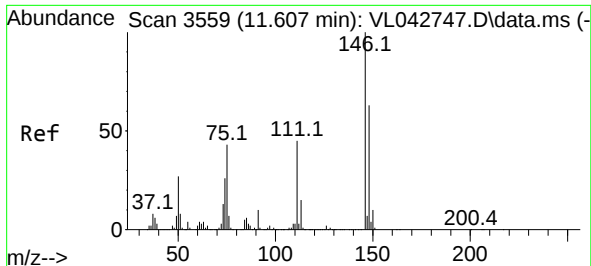
105 100

120 48.6 40.8 61.2

91 60.6 53.0 79.4

77 23.2 20.5 30.7





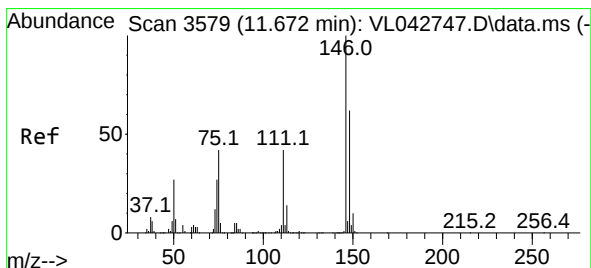
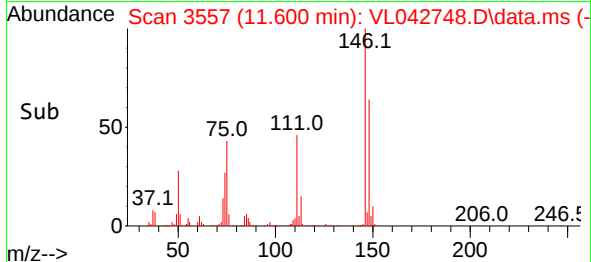
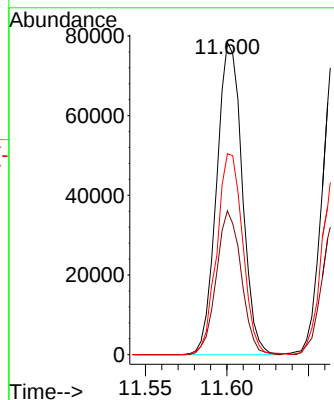
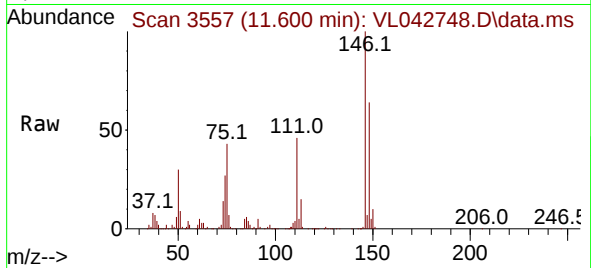
#75
1,3-Dichlorobenzene
Concen: 2.188 ppbv
RT: 11.600 min Scan# 3559
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 85254
Ion Ratio Lower Upper
146 100
111 45.0 22.7 68.0
148 65.2 31.9 95.5

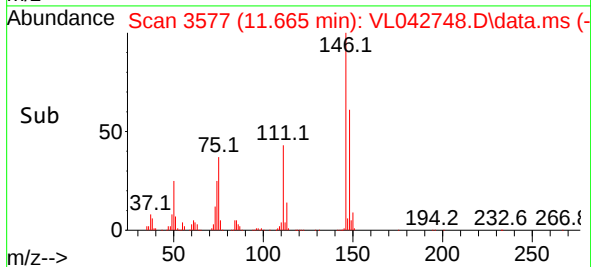
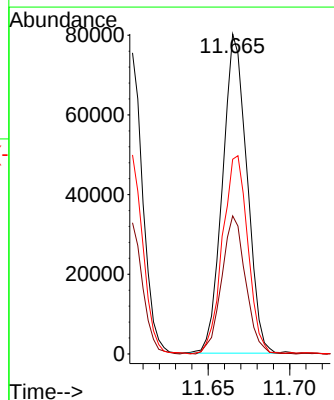
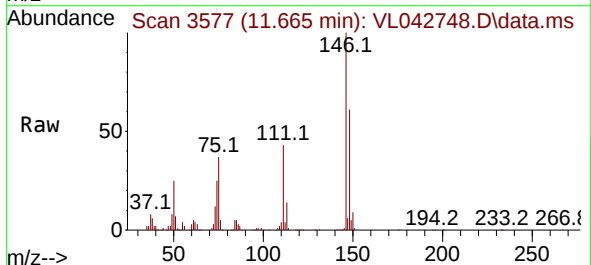
Manual Integrations
APPROVED

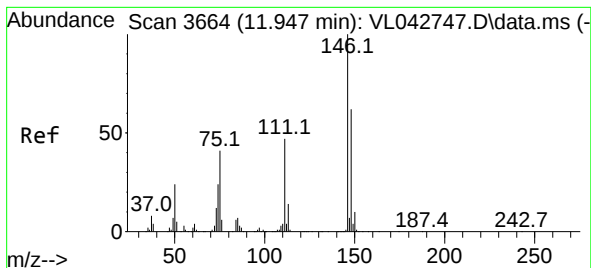
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#76
1,4-Dichlorobenzene
Concen: 2.189 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:146 Resp: 83440
Ion Ratio Lower Upper
146 100
111 42.6 21.4 64.2
148 64.9 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 2.150 ppbv

RT: 11.943 min Scan# 30

Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

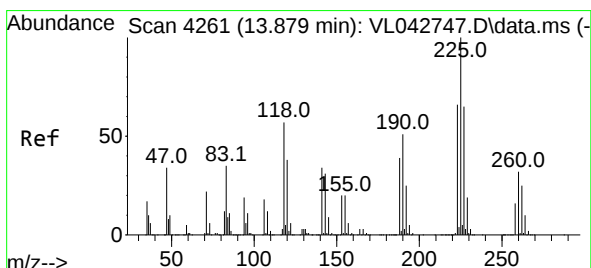
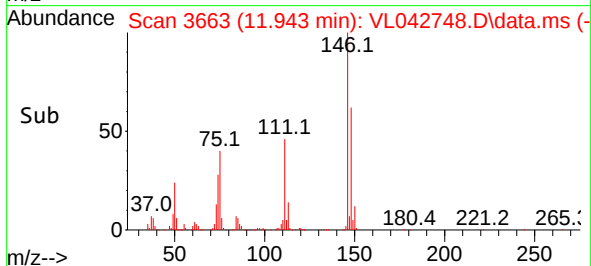
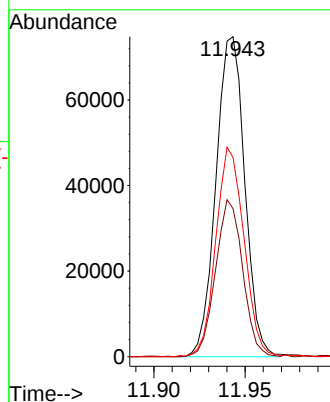
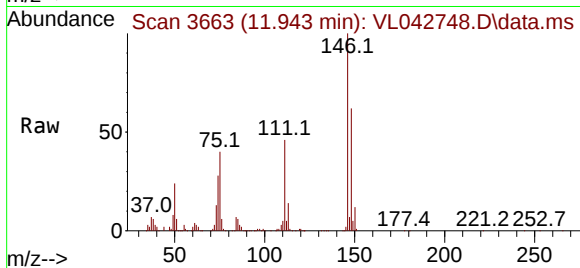
VSTDICC002

Tgt Ion:	146	Resp:	8231
Ion Ratio	Lower	Upper	
146	100		
111	46.6	23.7	71.1
148	64.3	32.6	97.7

Manual Integrations

APPROVED

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



#78

Hexachloro-1,3-Butadiene

Concen: 2.259 ppbv

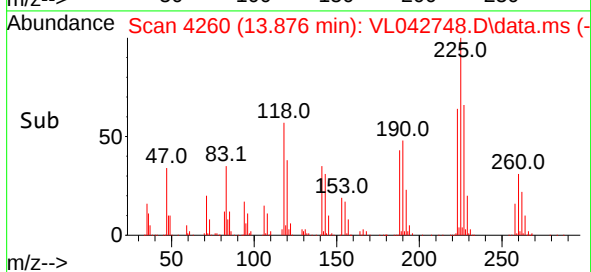
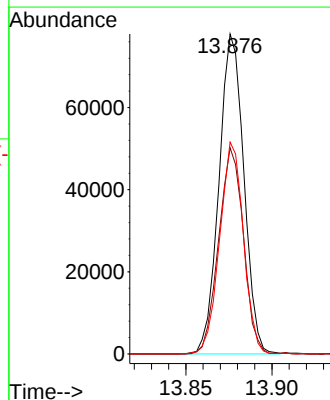
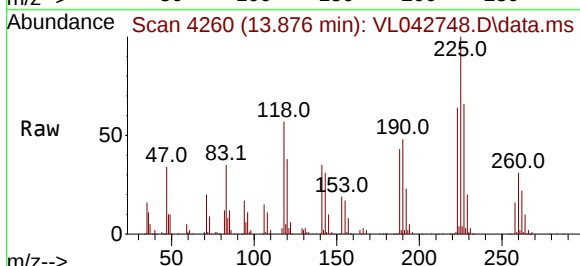
RT: 13.876 min Scan# 4260

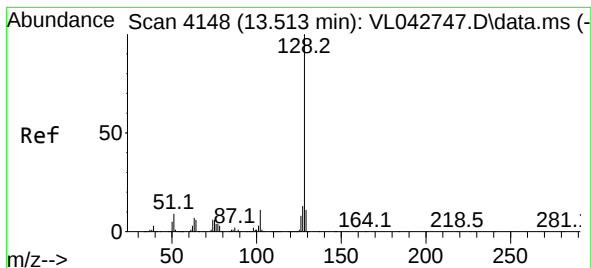
Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Tgt Ion:	225	Resp:	78291
Ion Ratio	Lower	Upper	
225	100		
223	64.2	50.7	76.1
227	63.3	50.5	75.7





#79

Naphthalene

Concen: 1.690 ppbv

RT: 13.510 min Scan# 4148

Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

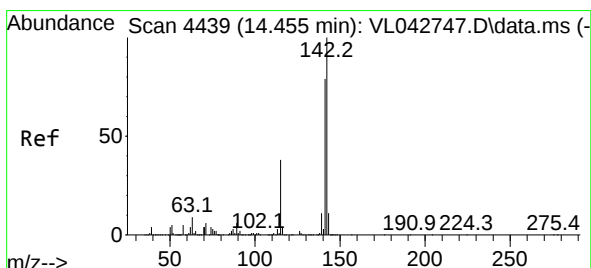
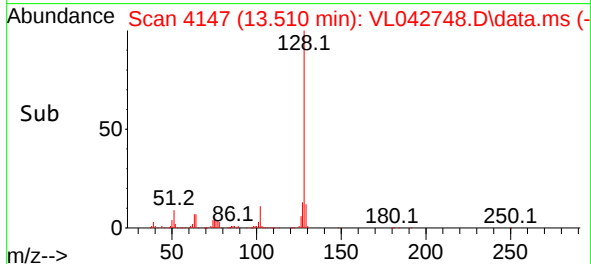
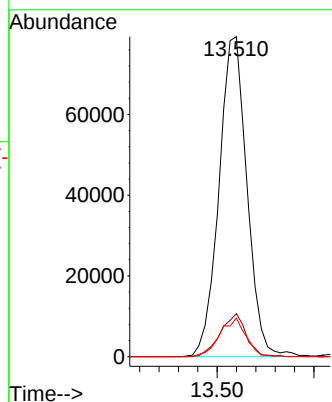
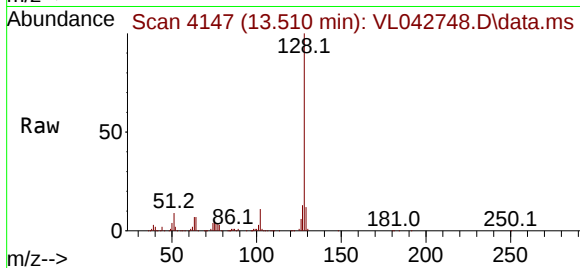
Tgt Ion:128 Resp: 7919

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	12.1	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: 1.298 ppbv

RT: 14.455 min Scan# 4439

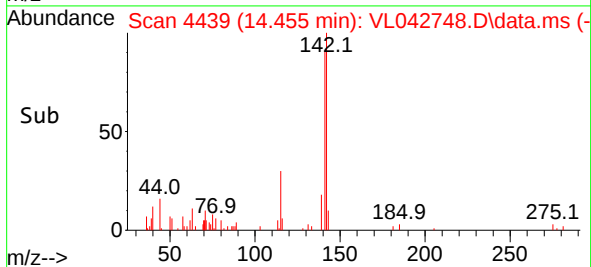
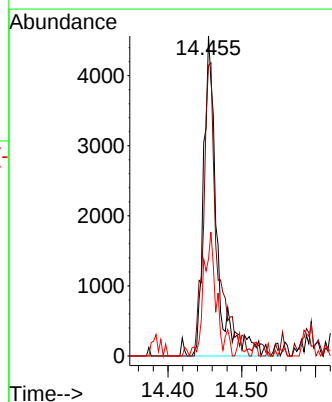
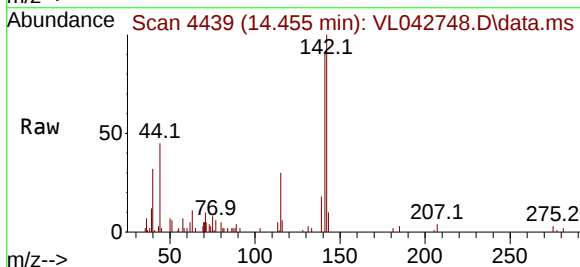
Delta R.T. -0.000 min

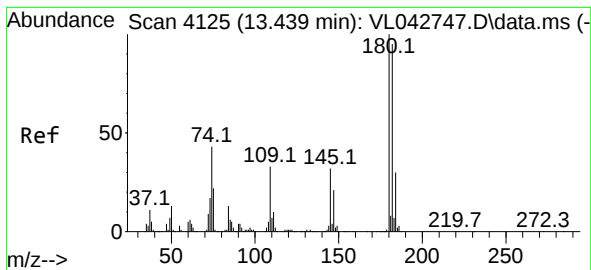
Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Tgt Ion:142 Resp: 5851

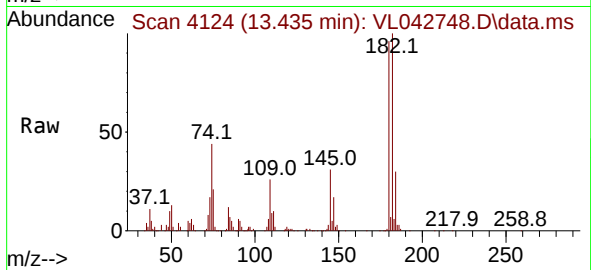
Ion	Ratio	Lower	Upper
142	100		
141	94.9	65.8	98.8
115	40.3	31.2	46.8





#81
 1,2,4-Trichlorobenzene
 Concen: 1.888 ppbv
 RT: 13.435 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion:180 Resp: 5151
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.2 114.2
 184 30.9 24.8 37.2

Manual Integrations
 APPROVED

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

