

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042844.D
 Acq On : 13 Aug 2025 09:41
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

Quant Time: Aug 14 01:47:28 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 14 2025

QLast Update : Thu Aug 14 01:44:36 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.791	49	128542	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	400305	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	349577	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 265708 10.135 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	19603	1.041	ppbv	99
3) Chlorodifluoromethane	1.476	51	20833	0.999	ppbv	93
4) Chloromethane	1.535	50	7948	1.045	ppbv	96
5) Vinyl Chloride	1.583	62	7189	0.960	ppbv	96
6) Bromomethane	1.667	94	3446	1.151	ppbv	84
7) Chloroethane	1.706	64	3089	1.056	ppbv	93
8) Dichlorotetrafluoroethane	1.557	85	15872	1.030	ppbv	100
9) Propene	1.486	41	8897	0.989	ppbv	89
10) Heptane	4.985	43	25850m	1.075	ppbv	
11) Trichlorofluoromethane	1.881	101	19701	1.060	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.143	101	15446	1.043	ppbv	97
13) Ethanol	1.722	45	883m	0.991	ppbv	
14) Bromoethene	1.784	108	5343	0.996	ppbv #	78
15) Acetone	1.839	43	18961	1.115	ppbv	98
16) 1,3-Butadiene	1.609	39	8133	1.055	ppbv	98
17) tert-Butyl alcohol	2.046	59	21342	1.058	ppbv #	93
18) 1,1-Dichloroethene	2.040	96	6549	1.006	ppbv	93
19) Isopropyl Alcohol	1.888	45	10893	1.073	ppbv #	39
20) Methylene Chloride	2.062	84	7661	1.076	ppbv #	90
21) Allyl Chloride	2.098	41	11598	0.966	ppbv	88
22) trans-1,2-Dichloroethene	2.344	96	7882m	1.082	ppbv	
23) Vinyl Acetate	2.467	43	22270	0.996	ppbv #	96
24) 1,1-Dichloroethane	2.412	63	15727	1.045	ppbv	98
25) Ethyl Acetate	2.842	43	43007	1.045	ppbv	98
26) Hexane	2.829	57	19944	1.050	ppbv	92
27) Carbon Disulfide	2.153	76	19450	1.052	ppbv #	2
28) Methyl tert-Butyl Ether	2.444	73	9600	0.991	ppbv #	88
29) Chloroform	2.852	83	28055	1.034	ppbv	97
30) Cyclohexane	3.865	84	16492	0.990	ppbv	90
31) cis-1,2-Dichloroethene	2.723	61	19591	1.031	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	27607	0.961	ppbv	97
34) 2-Butanone	2.564	43	28105	1.040	ppbv	98
35) Carbon Tetrachloride	3.768	117	28008	1.015	ppbv	93
36) Benzene	3.661	78	39137	1.021	ppbv #	94
37) 1,2-Dichloroethane	3.224	62	20645	1.031	ppbv	97
38) Trichloroethene	4.555	130	17921	1.024	ppbv #	89
39) 1,2-Dichloropropane	4.325	63	14595m	1.042	ppbv	
40) 1,4-Dioxane	4.603	88	7386m	1.127	ppbv	
41) Tetrahydrofuran	3.062	42	15552	1.032	ppbv	94
42) Bromodichloromethane	4.499	83	29683	0.995	ppbv	99
43) Methyl Methacrylate	4.885	69	16073m	1.022	ppbv	
44) 2,2,4-Trimethylpentane	4.645	57	68813m	1.069	ppbv	
45) t-1,3-Dichloropropene	6.419	75	18580m	1.042	ppbv	

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Manual Integrations
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Quant Time: Aug 14 01:47:28 2025

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

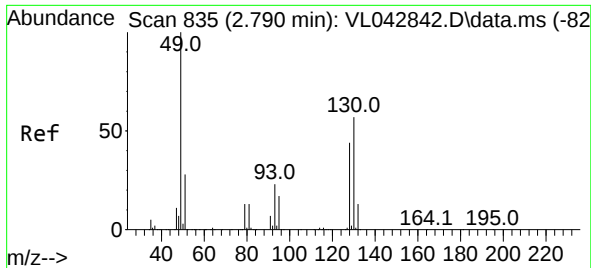
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 14 2025

QLast Update : Thu Aug 14 01:44:36 2025

Response via : Initial Calibration

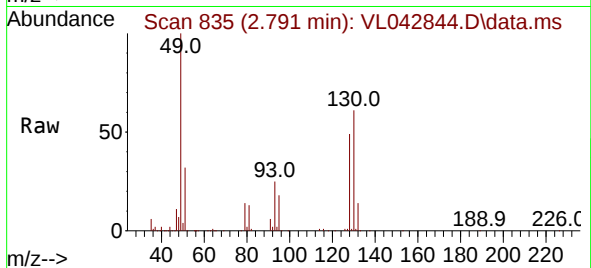
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.610	75	22372	0.999	ppbv	94
47) 1,1,2-Trichloroethane	6.597	97	15295	1.032	ppbv	86
48) Dibromochloromethane	7.396	129	24214	1.009	ppbv	99
49) Bromoform	9.490	173	20579	1.040	ppbv	98
50) 4-Methyl-2-Pentanone	5.768	43	36710	1.001	ppbv	98
51) 2-Hexanone	7.451	43	29487	1.026	ppbv #	99
52) Tetrachloroethene	8.235	164	13322	0.960	ppbv	90
53) Toluene	6.946	91	47256	1.036	ppbv	99
54) 1,2-Dibromoethane	7.665	107	21280	0.982	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.930	131	19176	1.061	ppbv	96
57) Chlorobenzene	8.930	112	34617	1.041	ppbv #	91
58) Ethyl Benzene	9.361	91	65223	1.057	ppbv	95
59) m/p-Xylene	9.558	91	101634m	2.098	ppbv	
60) o-Xylene	9.969	91	51445	1.058	ppbv	99
61) Styrene	9.879	104	23660	1.038	ppbv	100
62) Isopropylbenzene	10.546	105	76708	1.079	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	27410	1.032	ppbv	98
64) n-propylbenzene	10.995	120	18462	1.018	ppbv	90
65) tert-Butylbenzene	11.536	119	69617	1.111	ppbv	99
66) Benzyl Chloride	11.617	91	7900	0.993	ppbv	98
67) sec-Butylbenzene	11.772	105	96288	1.095	ppbv	98
69) p-Isopropyltoluene	11.931	119	82934	1.098	ppbv	99
70) n-Butylbenzene	12.287	91	80511	1.075	ppbv	99
71) 2-Chlorotoluene	10.908	91	60086	1.089	ppbv	100
72) 4-Ethyltoluene	11.131	105	63147	1.071	ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	53676	1.070	ppbv	95
74) 1,2,4-Trimethylbenzene	11.539	105	59633	1.083	ppbv	96
75) 1,3-Dichlorobenzene	11.610	146	33061	1.057	ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	33064	1.045	ppbv	96
77) 1,2-Dichlorobenzene	11.950	146	33404	1.090	ppbv	98
78) Hexachloro-1,3-Butadiene	13.886	225	29555	1.177	ppbv	95
79) Naphthalene	13.517	128	57580	1.169	ppbv	97
80) Naphthalene,2-methyl-	14.462	142	19375	1.045	ppbv	96
81) 1,2,4-Trichlorobenzene	13.442	180	27861	1.111	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.791 min Scan# 835
Delta R.T. 0.001 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

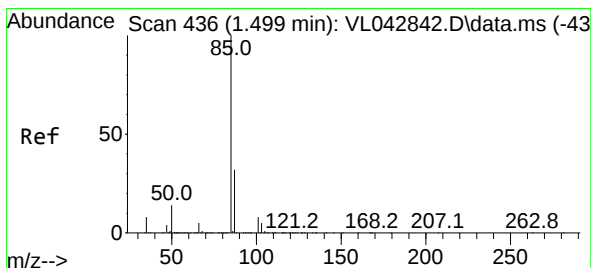
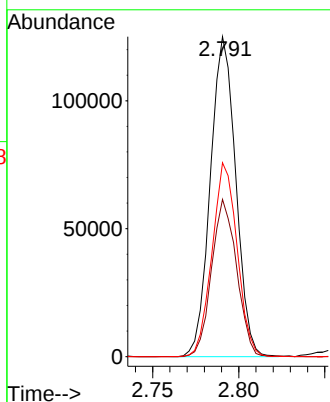
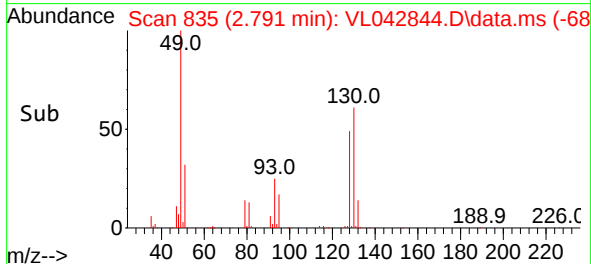
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



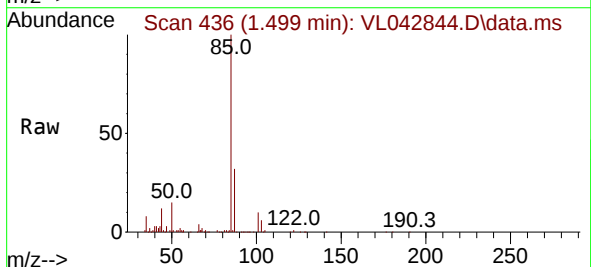
Tgt Ion: 49 Resp: 12854
Ion Ratio Lower Upper
49 100
128 48.4 23.7 71.1
130 59.9 30.6 91.6

Manual Integrations
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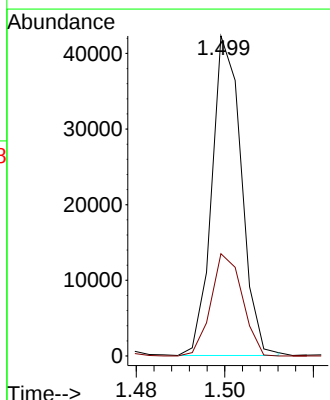
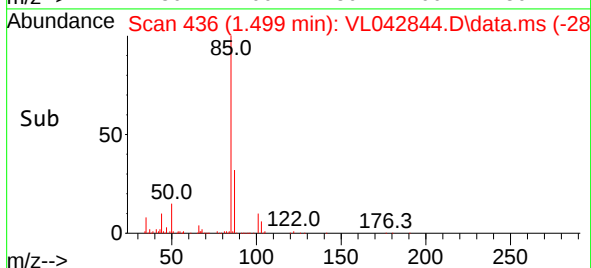
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

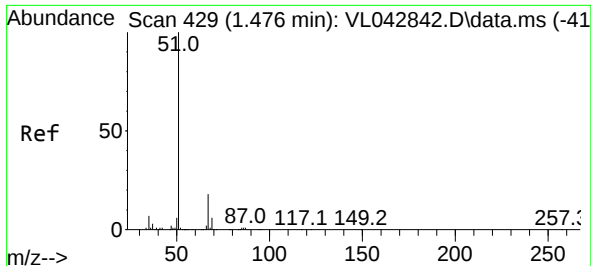


#2
Dichlorodifluoromethane
Concen: 1.041 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41



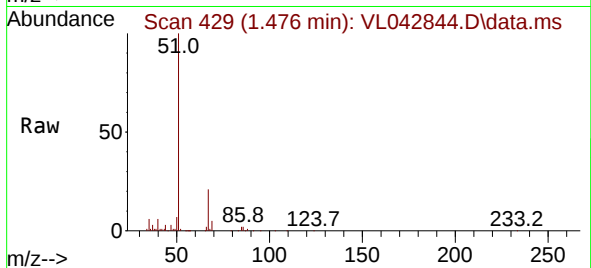
Tgt Ion: 85 Resp: 19603
Ion Ratio Lower Upper
85 100
87 32.0 25.3 37.9





#3
Chlorodifluoromethane
Concen: 0.999 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

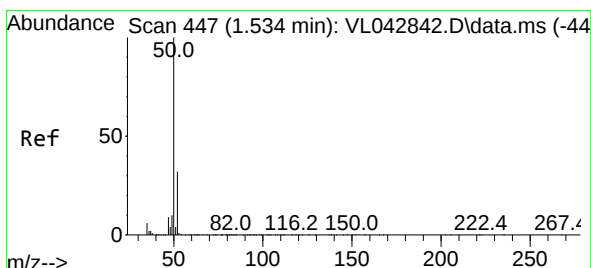
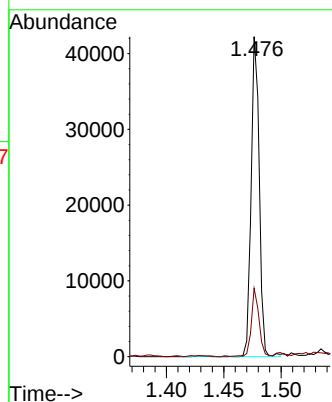
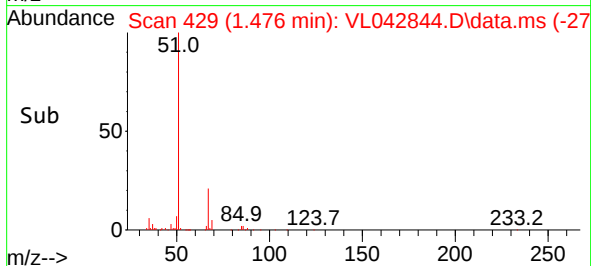
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



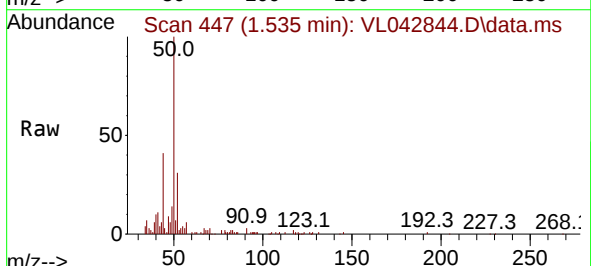
Tgt Ion: 51 Resp: 2083
Ion Ratio Lower Upper
51 100
67 21.9 14.9 22.3

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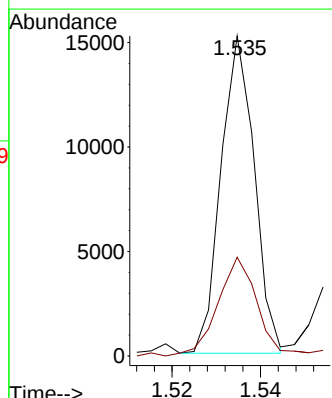
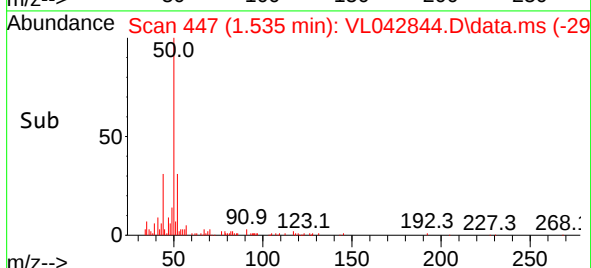
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

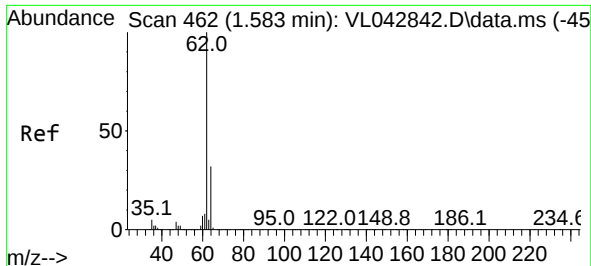


#4
Chloromethane
Concen: 1.045 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41



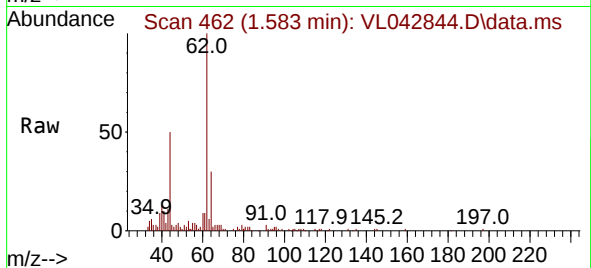
Tgt Ion: 50 Resp: 7948
Ion Ratio Lower Upper
50 100
52 30.2 25.9 38.9





#5
 Vinyl Chloride
 Concen: 0.960 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

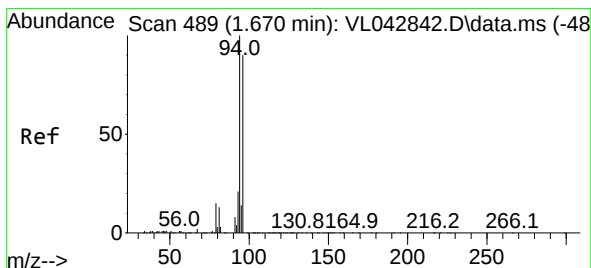
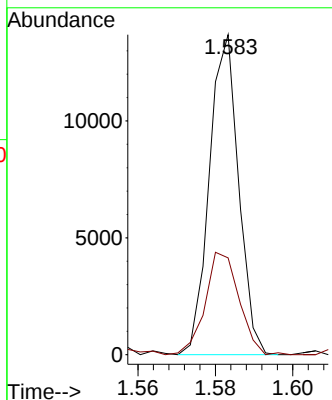
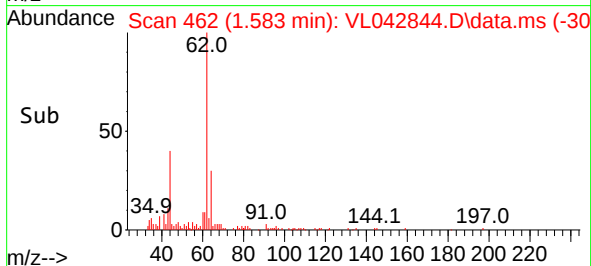
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 62 Resp: 7189
 Ion Ratio Lower Upper
 62 100
 64 29.7 25.4 38.2

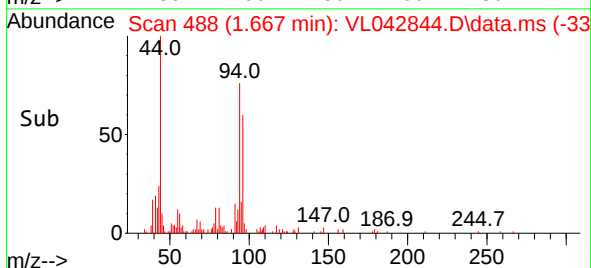
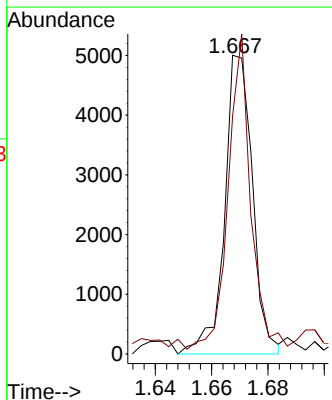
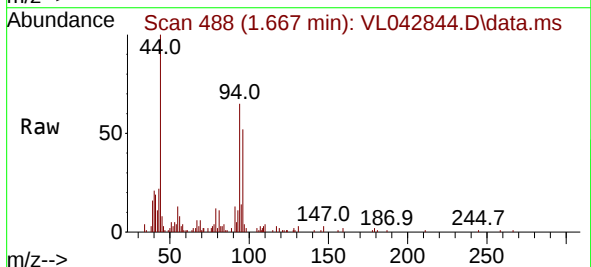
Manual Integrations
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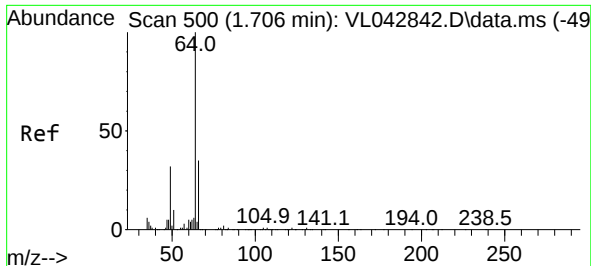
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025



#6
 Bromomethane
 Concen: 1.151 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.003 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

Tgt Ion: 94 Resp: 3446
 Ion Ratio Lower Upper
 94 100
 96 74.7 72.1 108.1





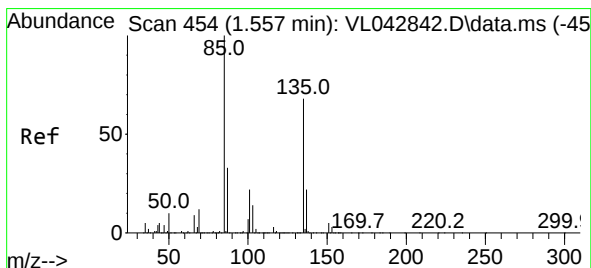
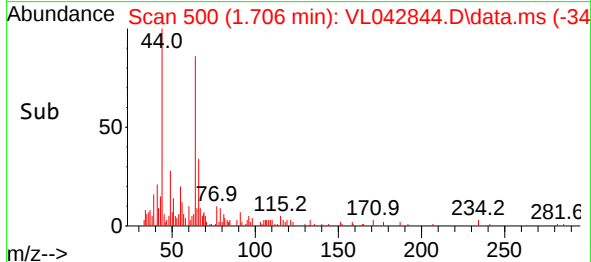
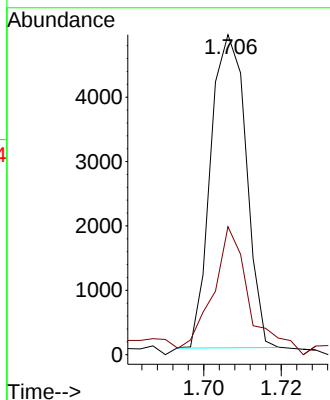
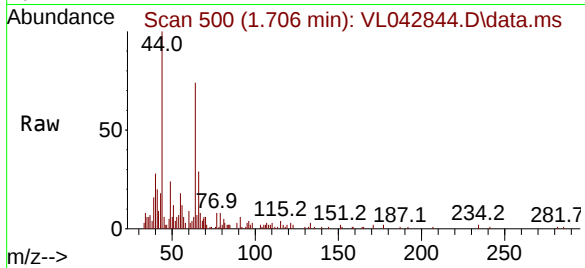
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Chloroethane
Concen: 1.056 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 64 Resp: 3089
Ion Ratio Lower Upper
64 100
66 40.0 28.6 42.8

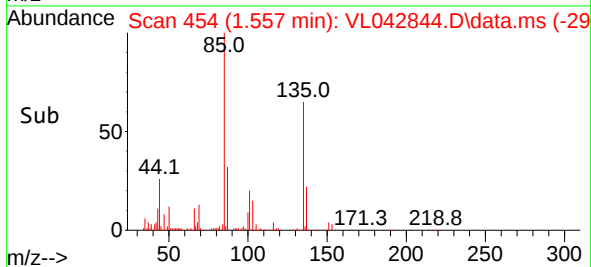
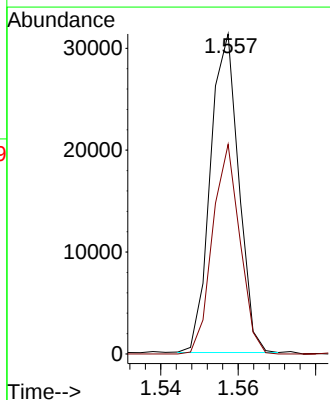
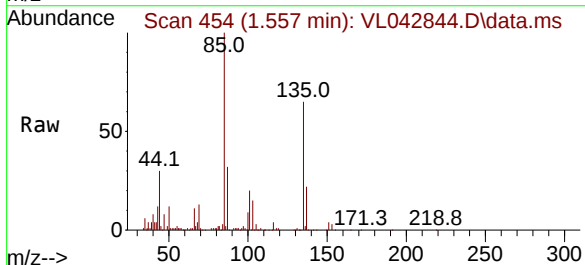
Manual Integrations
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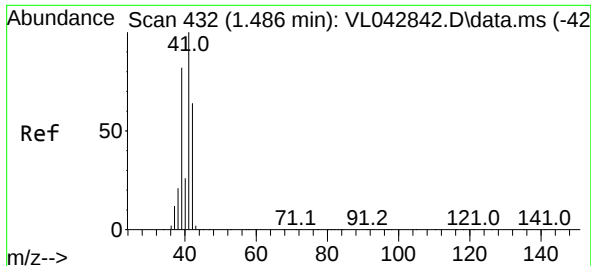
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#8
Dichlorotetrafluoroethane
Concen: 1.030 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

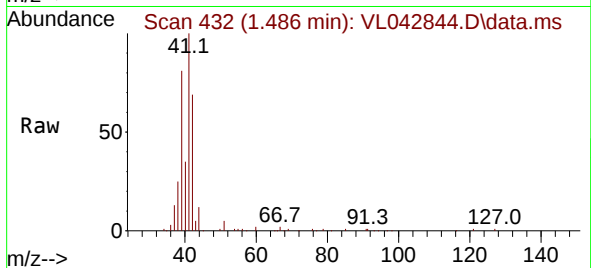
Tgt Ion: 85 Resp: 15872
Ion Ratio Lower Upper
85 100
135 63.7 51.2 76.8





#9
 Propene
 Concen: 0.989 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

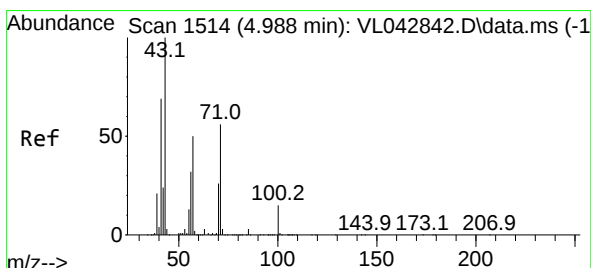
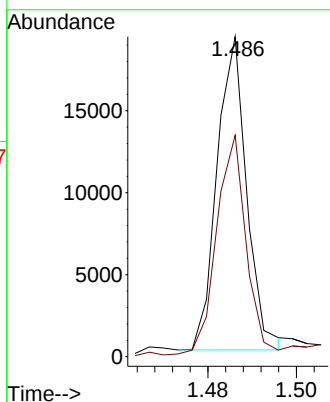
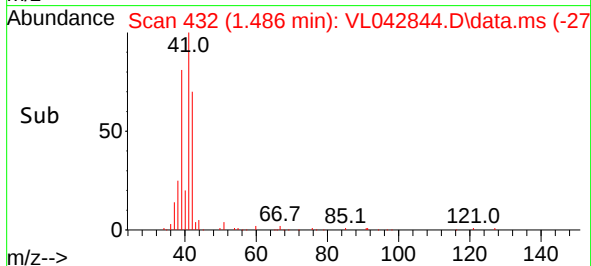
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001



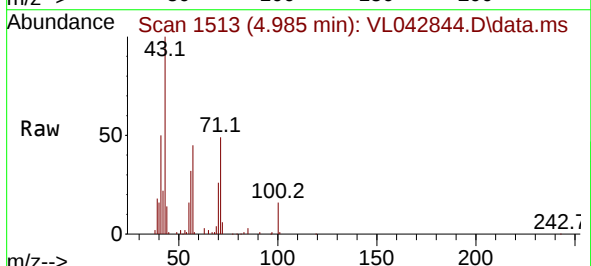
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 Ion Ratio Lower Upper
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 42 74.9 53.0 79.4

Manual Integrations
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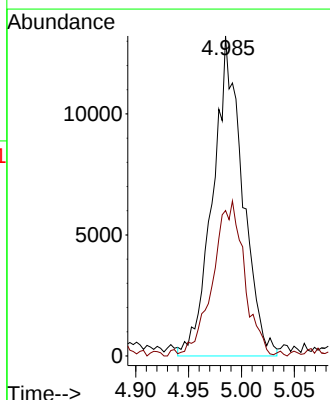
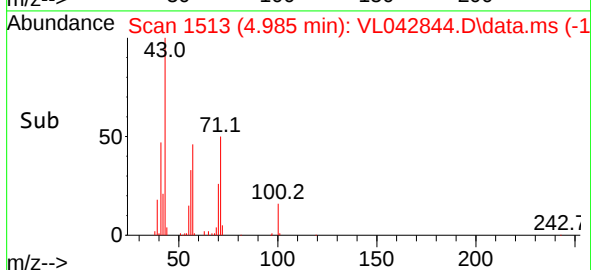
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

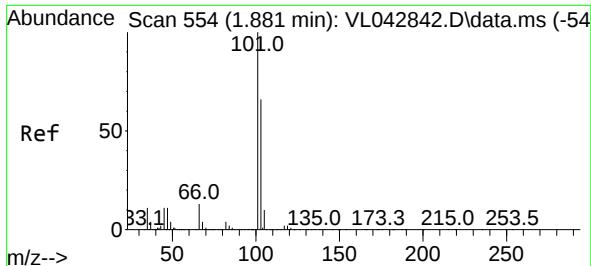


#10
 Heptane
 Concen: 1.075 ppbv m
 RT: 4.985 min Scan# 1513
 Delta R.T. -0.003 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41



Tgt Ion: 43 Resp: 25850
 Ion Ratio Lower Upper
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 57 52.0 41.4 62.0





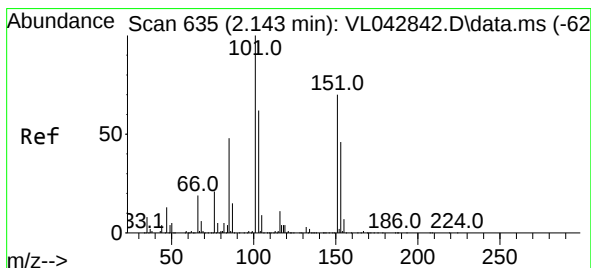
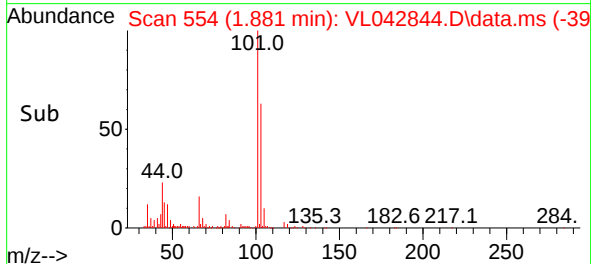
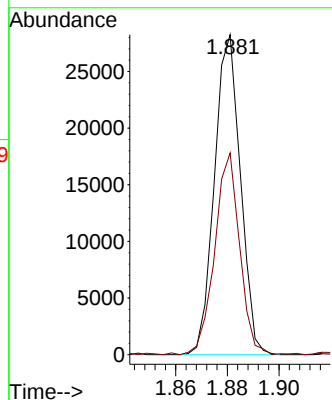
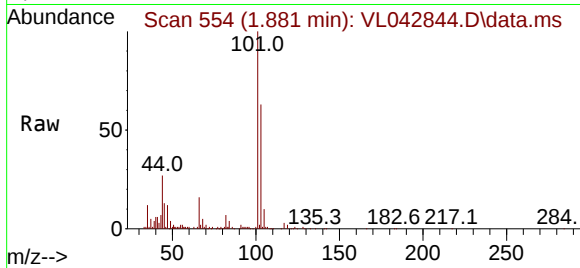
#11
 Trichlorofluoromethane
 Concen: 1.060 ppbv
 RT: 1.881 min Scan# 554
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:101 Resp: 1970
 Ion Ratio Lower Upper
 101 100
 103 62.8 52.5 78.7

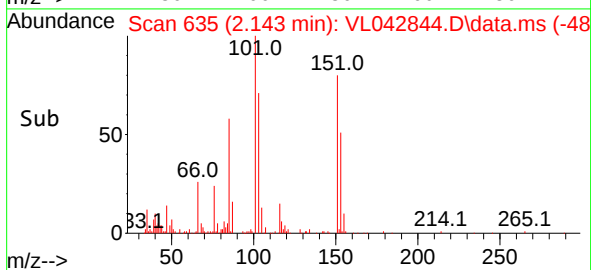
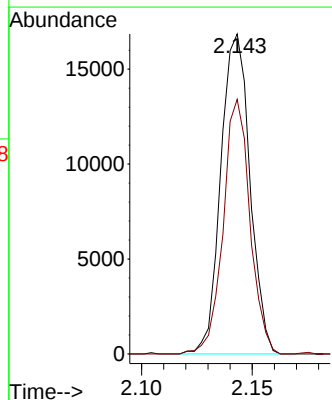
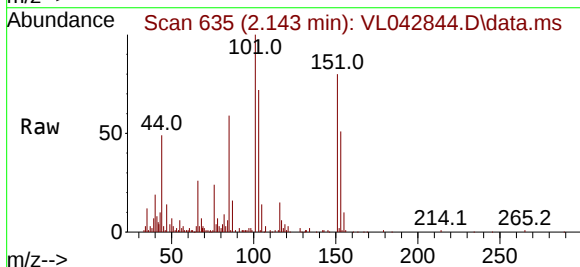
Manual Integrations
 APPROVED

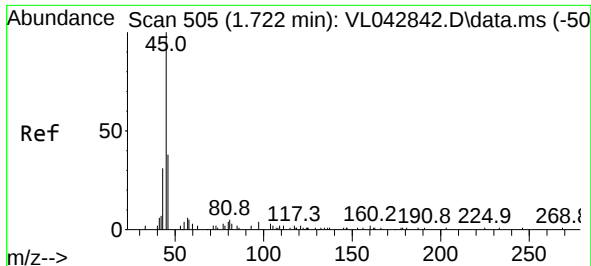
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.043 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

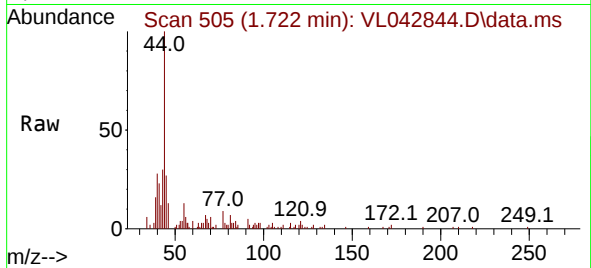
Tgt Ion:101 Resp: 15446
 Ion Ratio Lower Upper
 101 100
 151 73.2 56.4 84.6





#13
Ethanol
Concen: 0.991 ppbv m
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

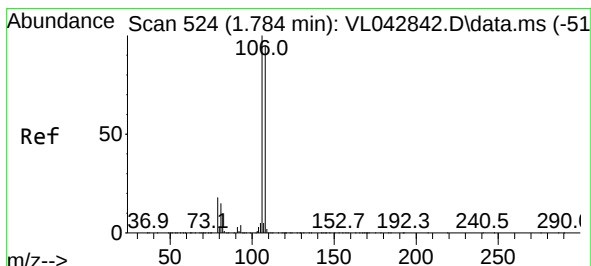
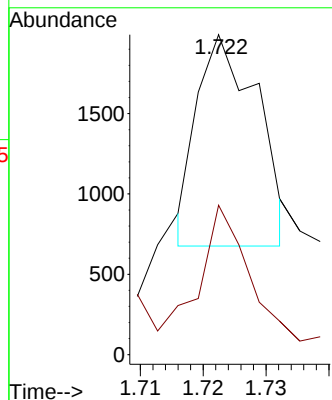
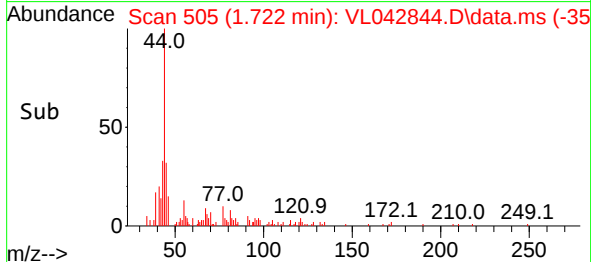
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



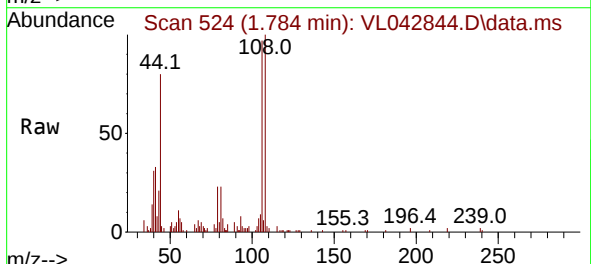
Tgt Ion: 45 Resp: 88
Ion Ratio Lower Upper
45 100
46 92.1 17.5 69.9

Manual Integrations
APPROVED

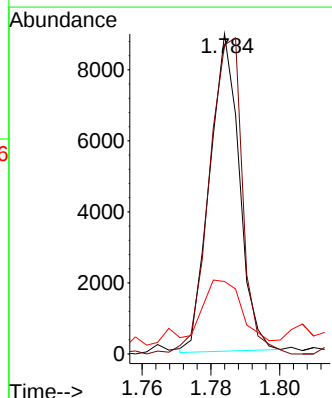
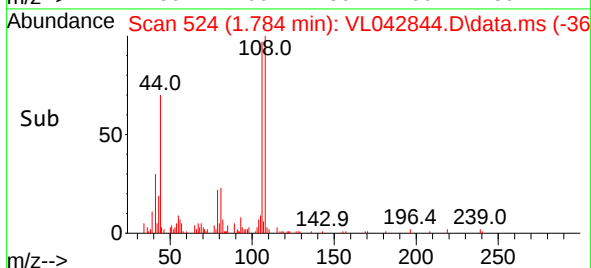
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

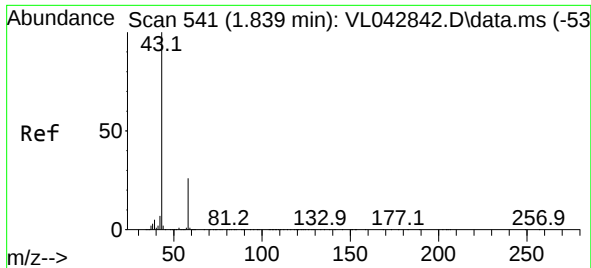


#14
Bromoethene
Concen: 0.996 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41



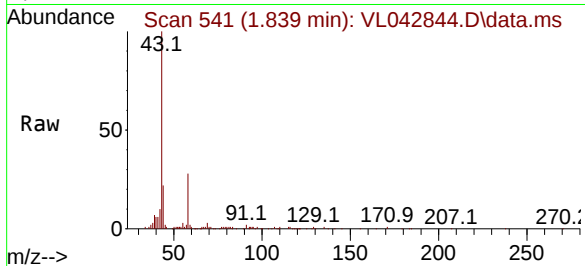
Tgt Ion:108 Resp: 5343
Ion Ratio Lower Upper
108 100
106 117.1 85.1 127.7
79 58.9 16.3 24.5





#15
Acetone
Concen: 1.115 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

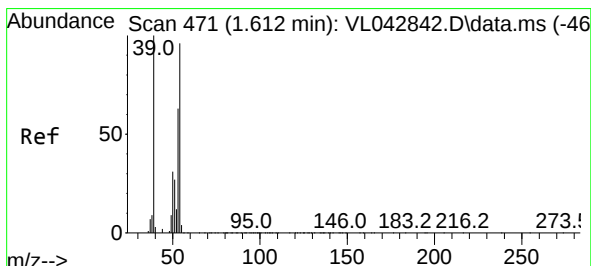
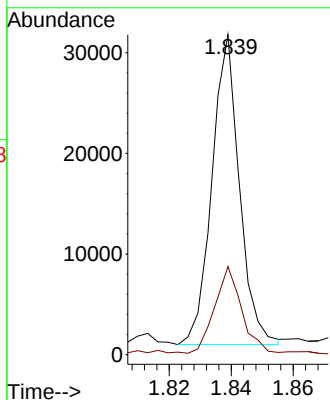
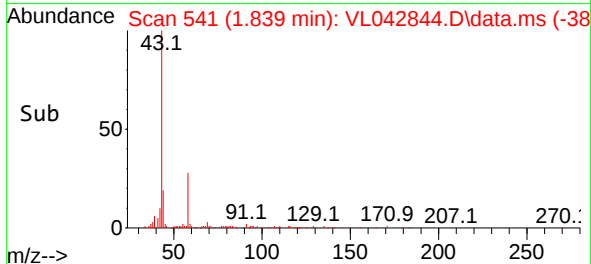
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



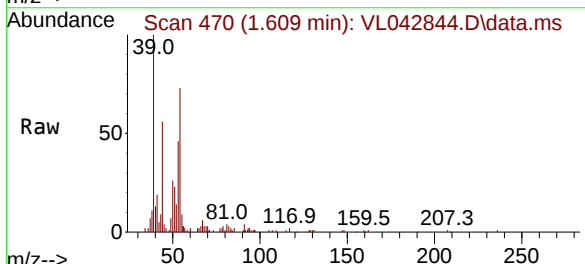
Tgt Ion: 43 Resp: 1896
Ion Ratio Lower Upper
43 100
58 29.1 22.4 33.6

Manual Integrations
APPROVED

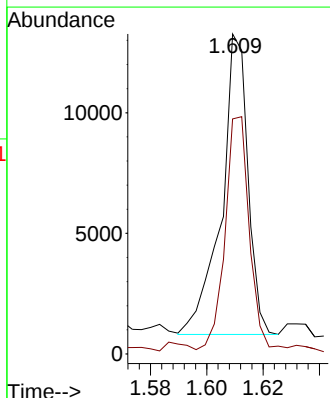
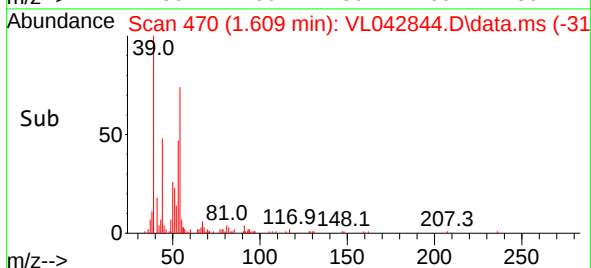
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

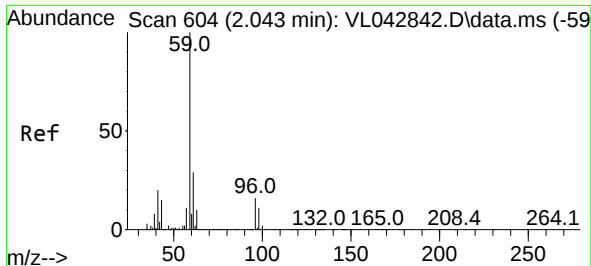


#16
1,3-Butadiene
Concen: 1.055 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41



Tgt Ion: 39 Resp: 8133
Ion Ratio Lower Upper
39 100
54 78.0 63.6 95.4





#17

tert-Butyl alcohol

Concen: 1.058 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 59 Resp: 2134

Ion Ratio Lower Upper

59 100

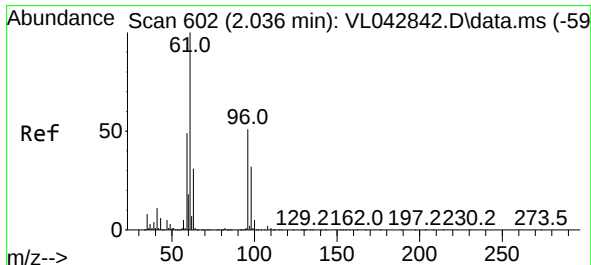
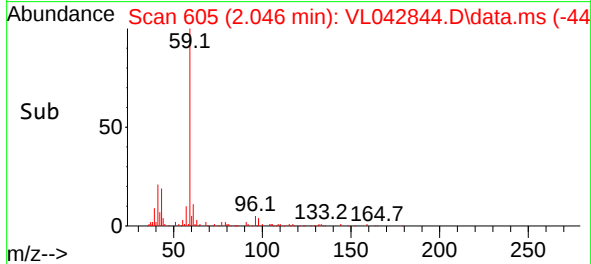
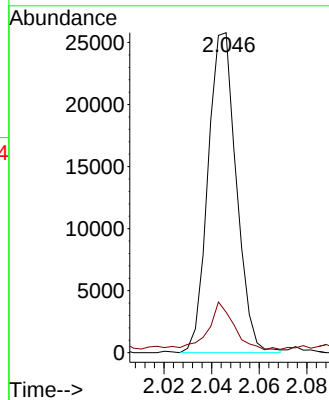
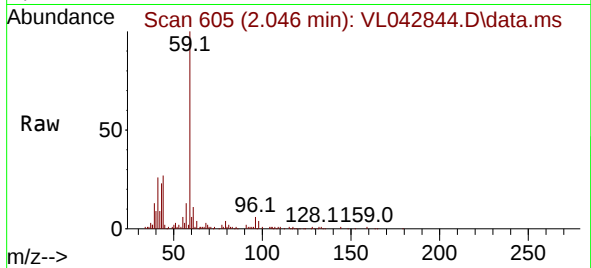
57 13.7 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#18

1,1-Dichloroethene

Concen: 1.006 ppbv

RT: 2.040 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

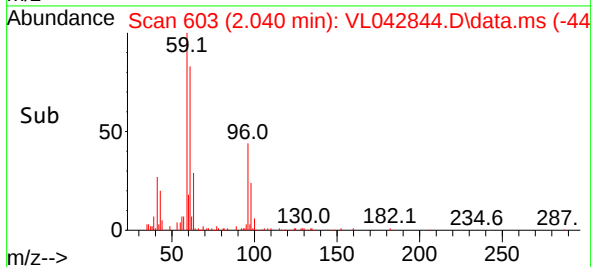
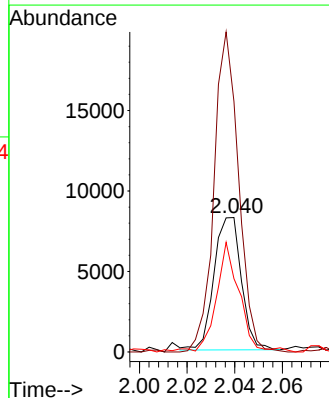
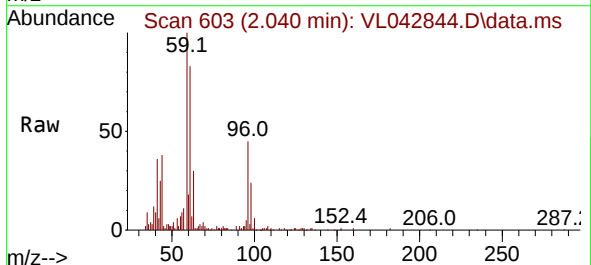
Tgt Ion: 96 Resp: 6549

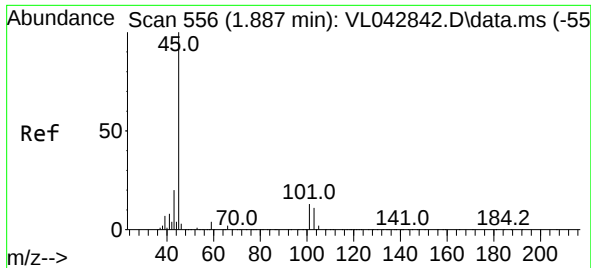
Ion Ratio Lower Upper

96 100

61 189.6 158.2 237.4

98 53.1 50.6 76.0





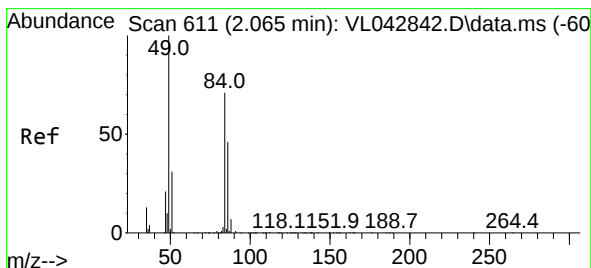
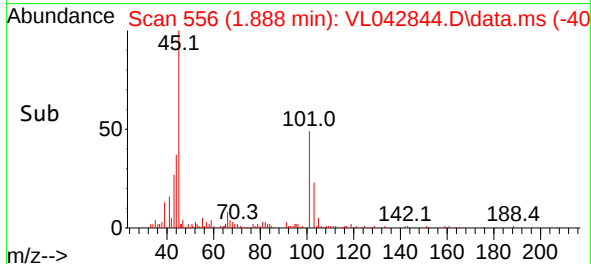
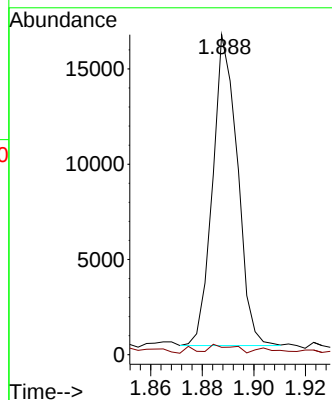
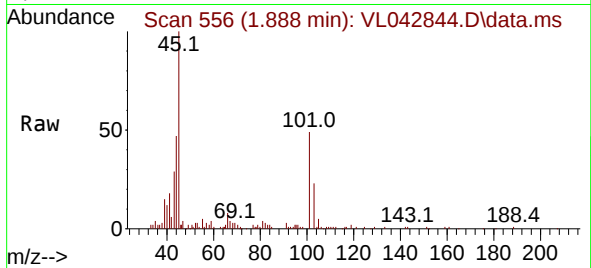
#19
Isopropyl Alcohol
Concen: 1.073 ppbv
RT: 1.888 min Scan# 510
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 1089
Ion Ratio Lower Upper
45 100
58 2.9 32.7 49.1

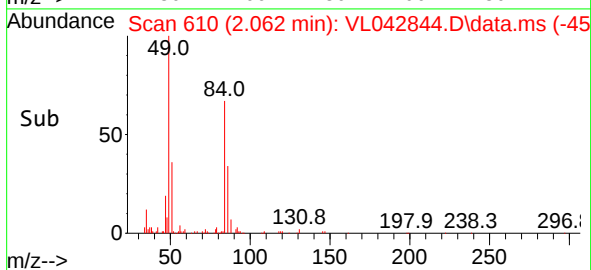
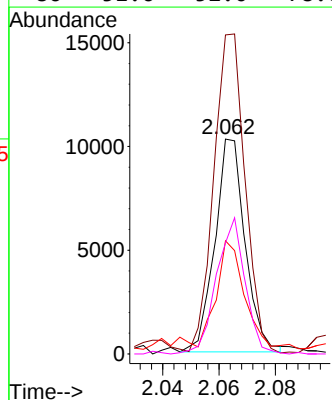
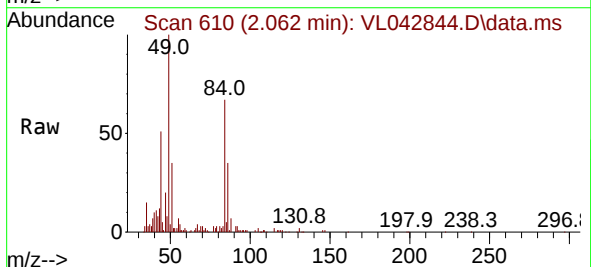
Manual Integrations
APPROVED

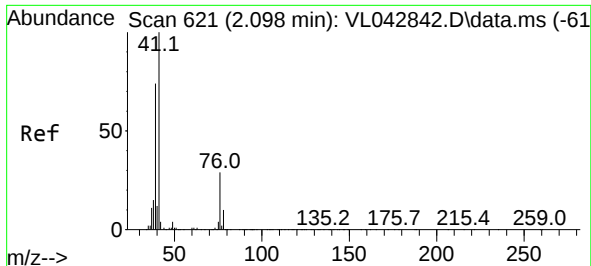
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#20
Methylene Chloride
Concen: 1.076 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

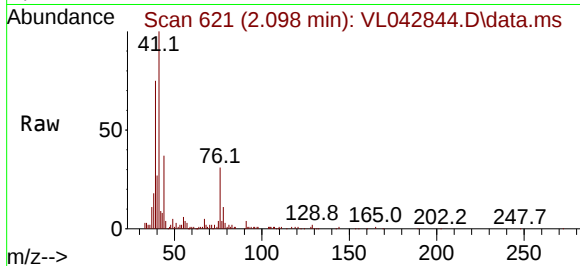
Tgt Ion: 84 Resp: 7661
Ion Ratio Lower Upper
84 100
49 149.4 112.3 168.5
51 49.2 36.0 54.0
86 51.6 52.0 78.0





#21
 Allyl Chloride
 Concen: 0.966 ppbv
 RT: 2.098 min Scan# 611
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

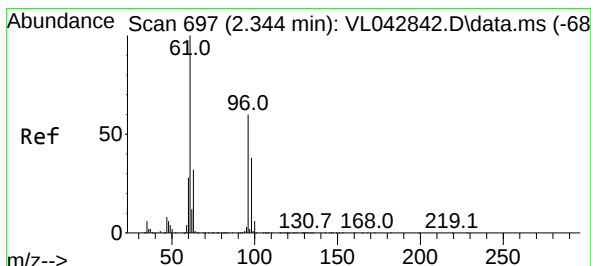
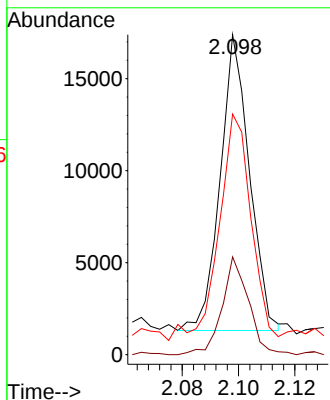
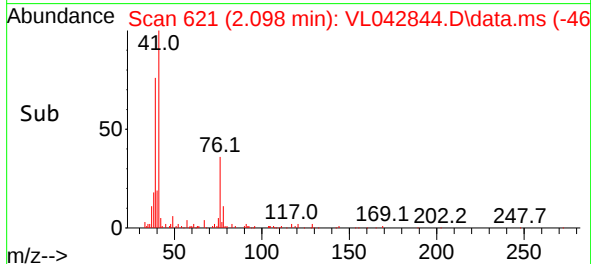
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



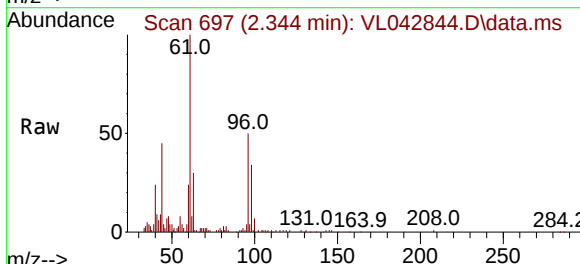
Tgt Ion: 41 Resp: 11598
 Ion Ratio Lower Upper
 41 100
 76 30.9 23.9 35.9
 39 86.2 57.8 86.6

Manual Integrations
 APPROVED

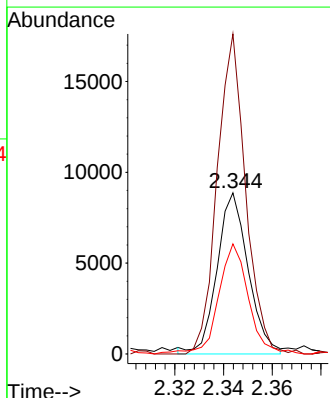
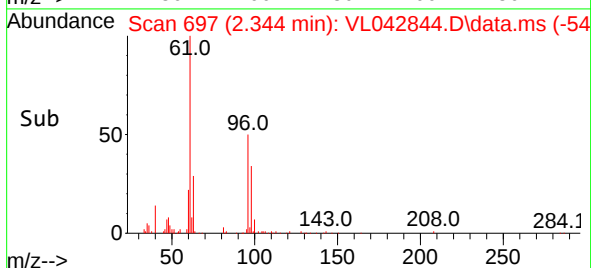
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

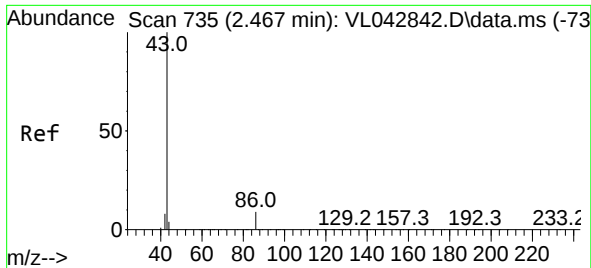


#22
 trans-1,2-Dichloroethene
 Concen: 1.082 ppbv m
 RT: 2.344 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41



Tgt Ion: 96 Resp: 7882
 Ion Ratio Lower Upper
 96 100
 61 198.6 132.6 199.0
 98 68.3 50.0 75.0





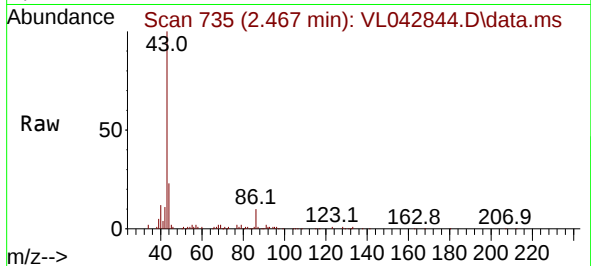
#23
 Vinyl Acetate
 Concen: 0.996 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

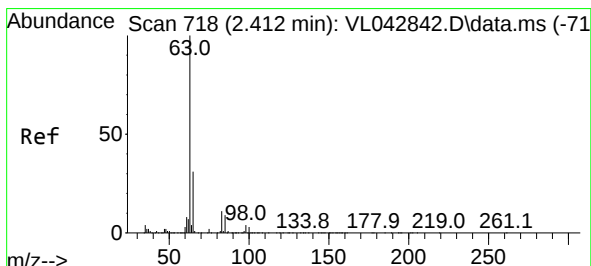
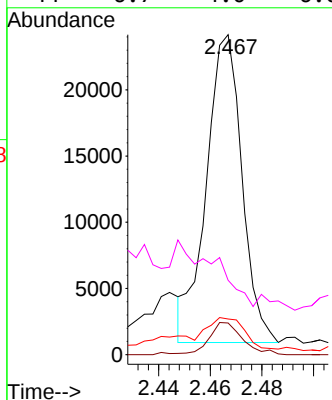
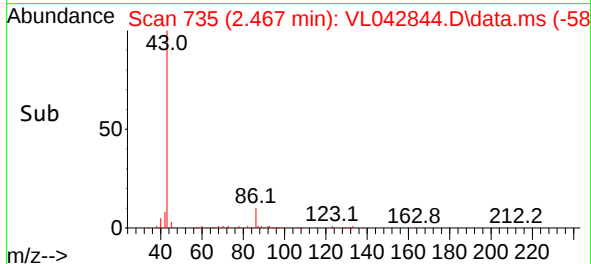


Tgt Ion:	43	Resp:	22270
Ion	Ratio	Lower	Upper
43	100		
86	10.0	6.6	9.8
42	9.8	7.0	10.6
44	6.7	4.0	6.0

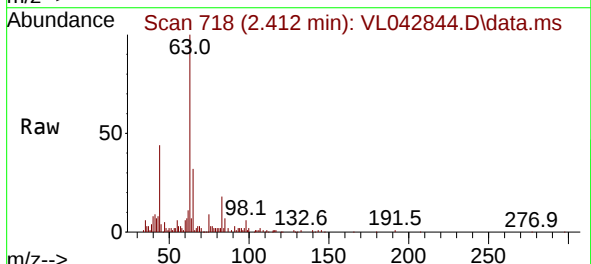
Manual Integrations

APPROVED

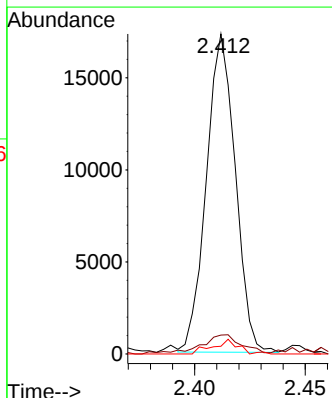
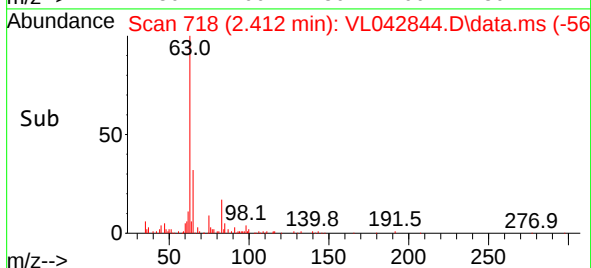
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025



#24
 1,1-Dichloroethane
 Concen: 1.045 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41



Tgt Ion:	63	Resp:	15727
Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.5
100	2.4	1.7	5.1





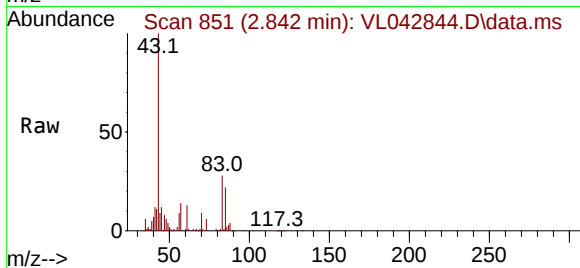
#25
Ethyl Acetate
Concen: 1.045 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

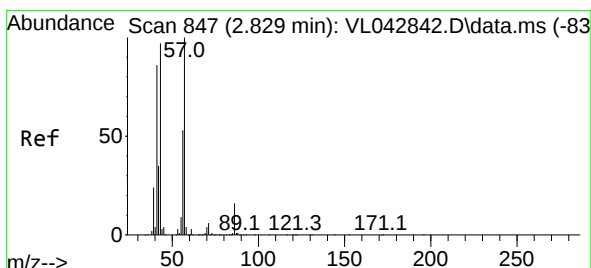
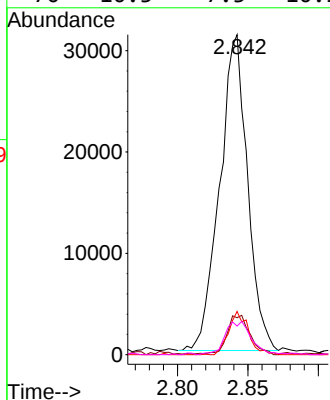
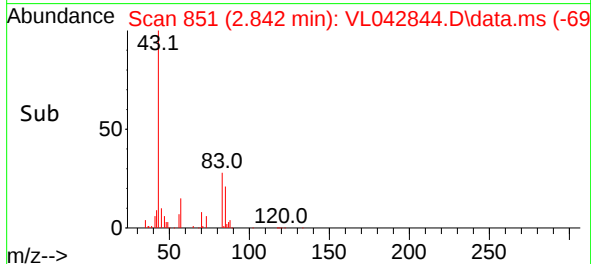


Tgt Ion	Ratio	Lower	Upper
43	100		
45	11.2	8.1	12.1
61	9.7	7.4	11.2
70	10.3	7.3	10.9

Manual Integrations

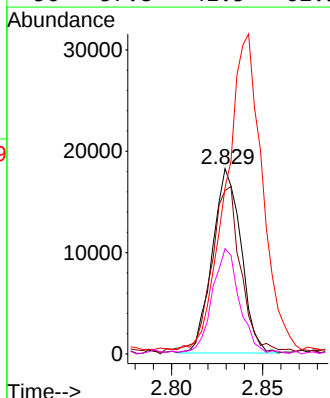
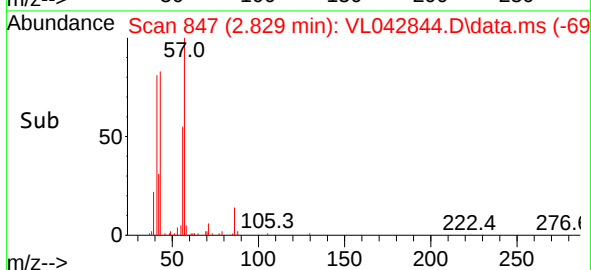
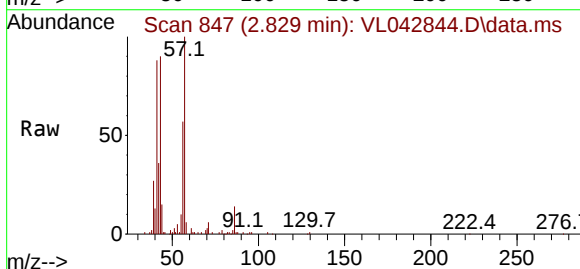
APPROVED

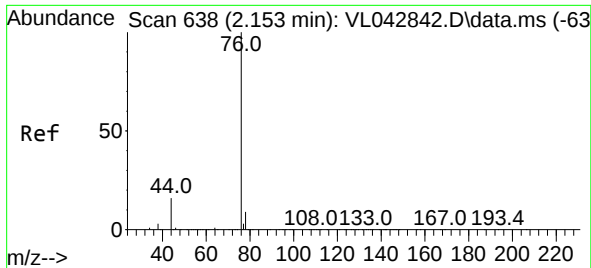
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#26
Hexane
Concen: 1.050 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

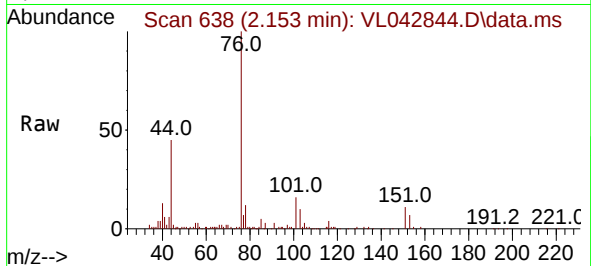
Tgt Ion	Ratio	Lower	Upper
57	100		
41	93.6	68.6	103.0
43	222.4	168.5	252.7
56	57.8	41.5	62.3





#27
Carbon Disulfide
Concen: 1.052 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

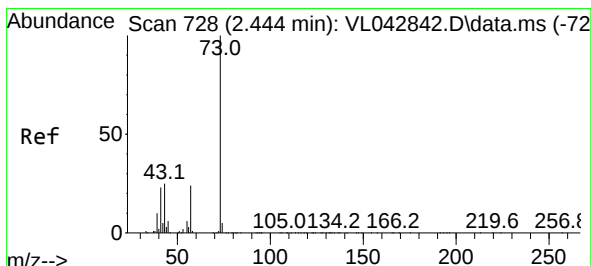
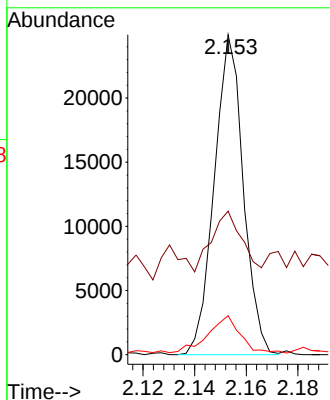
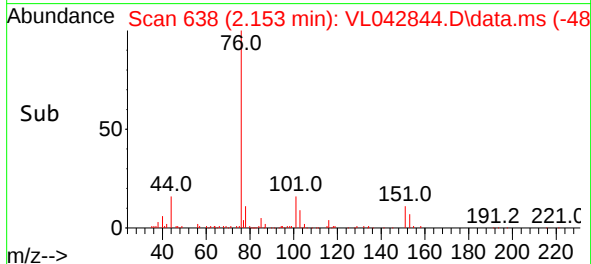
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



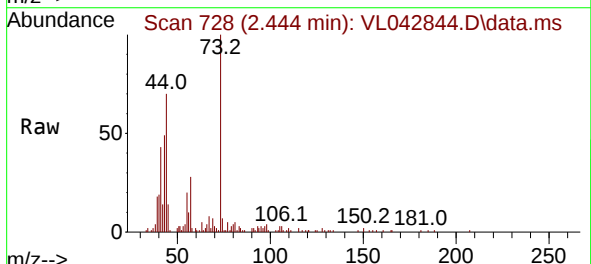
Tgt Ion: 76 Resp: 19450
Ion Ratio Lower Upper
76 100
44 88.3 15.9 23.9
78 17.1 9.5 14.3

Manual Integrations
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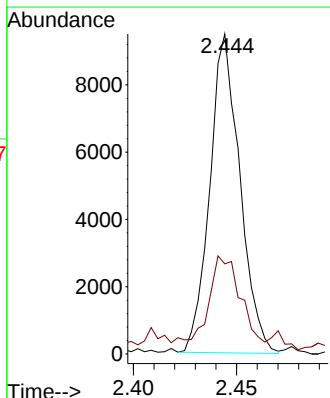
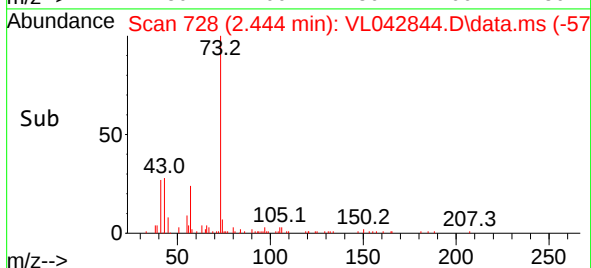
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

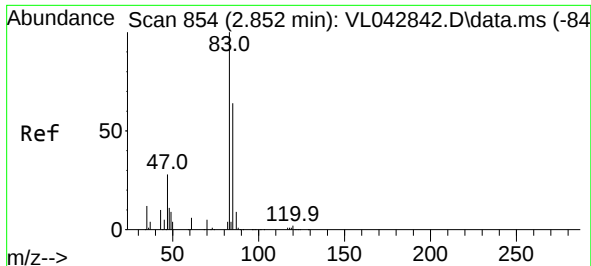


#28
Methyl tert-Butyl Ether
Concen: 0.991 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41



Tgt Ion: 73 Resp: 9600
Ion Ratio Lower Upper
73 100
57 33.4 21.6 32.4





#29

Chloroform

Concen: 1.034 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.000 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 83 Resp: 2805

Ion Ratio Lower Upper

83 100

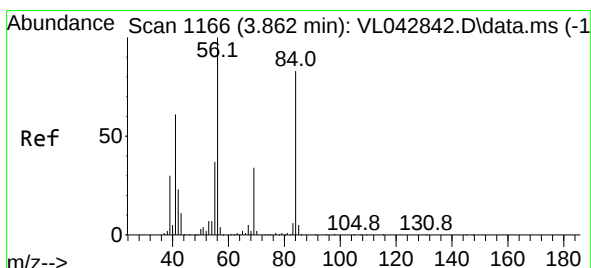
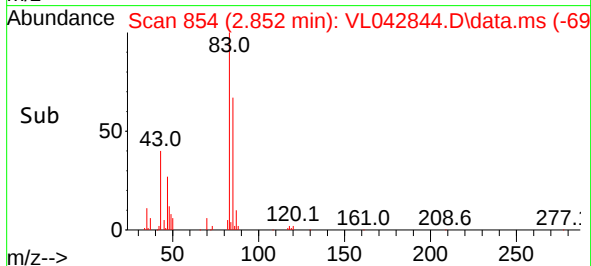
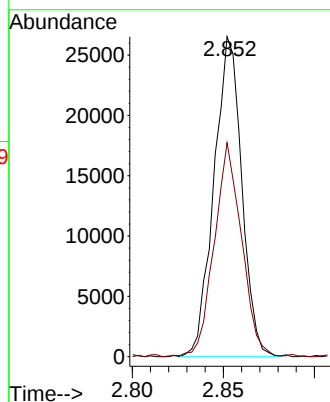
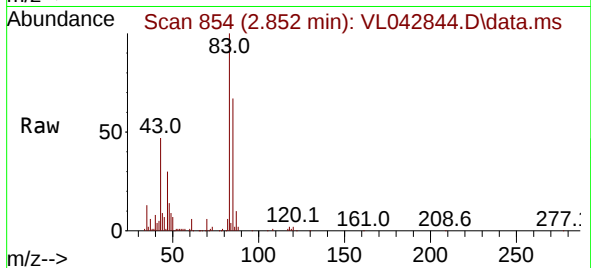
85 66.6 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#30

Cyclohexane

Concen: 0.990 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

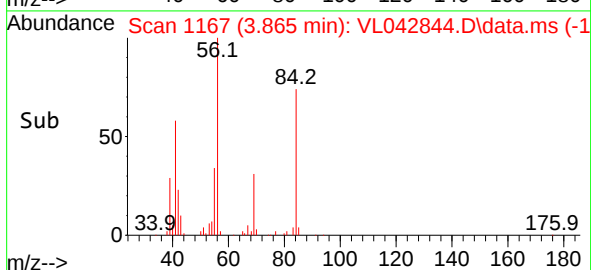
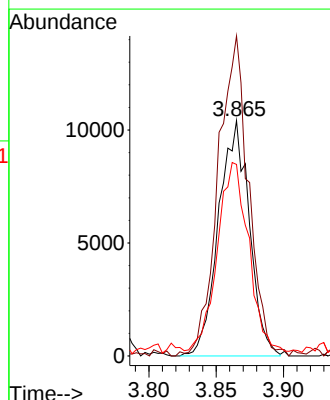
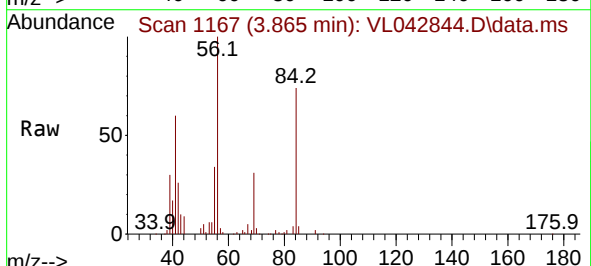
Tgt Ion: 84 Resp: 16492

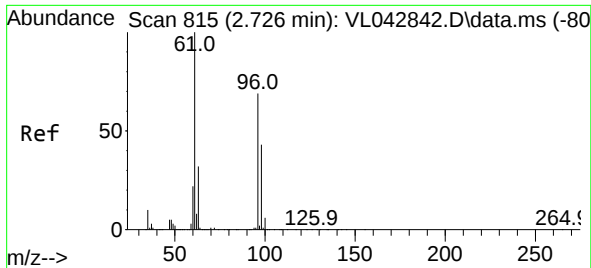
Ion Ratio Lower Upper

84 100

56 135.9 98.8 148.2

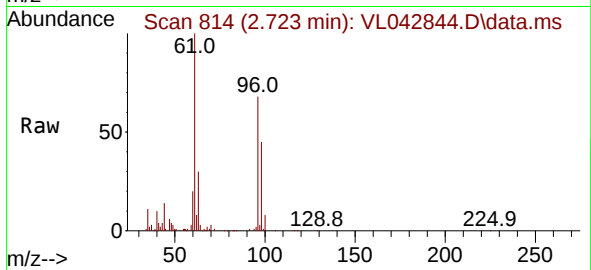
41 84.9 61.3 91.9





#31
 cis-1,2-Dichloroethene
 Concen: 1.031 ppbv
 RT: 2.723 min Scan# 815
 Delta R.T. -0.003 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

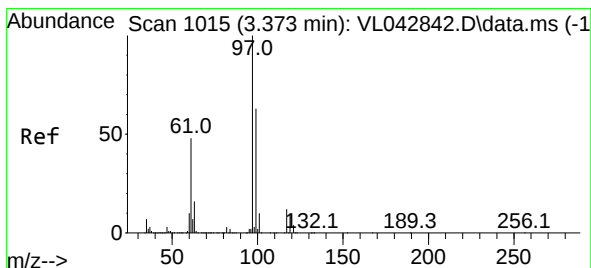
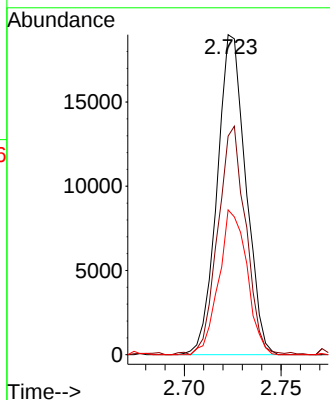
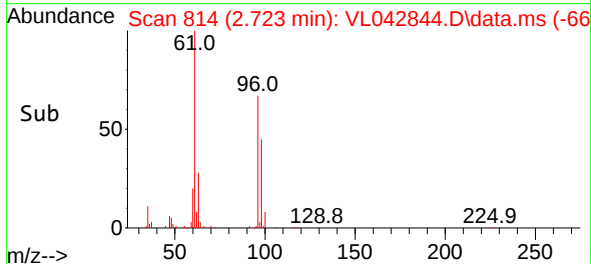
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001



Tgt Ion: 61 Resp: 1959
 Ion Ratio Lower Upper
 61 100
 96 67.7 55.0 82.6
 98 45.2 34.3 51.5

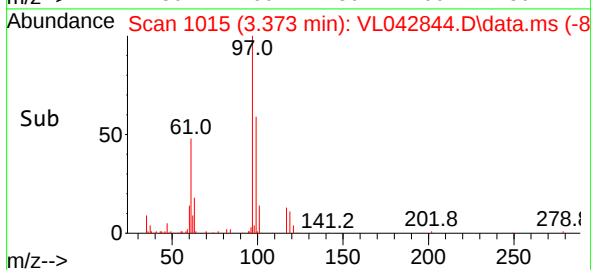
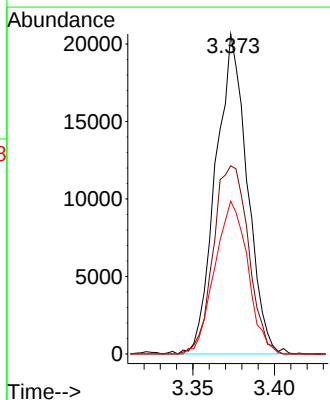
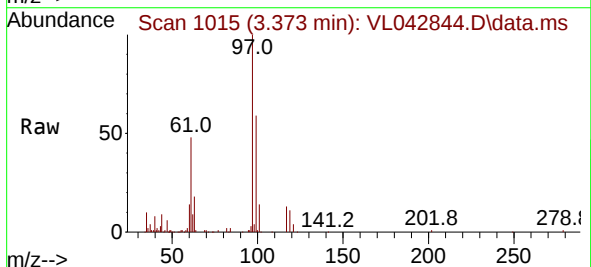
Manual Integrations
 APPROVED

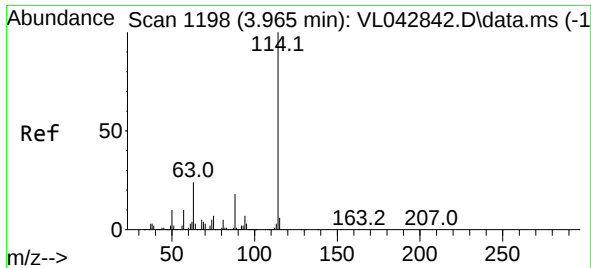
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.961 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

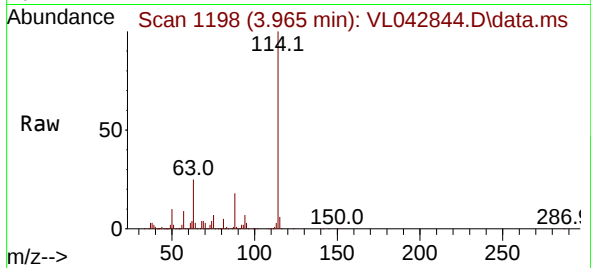
Tgt Ion: 97 Resp: 27607
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.0 76.6
 61 50.2 38.0 57.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

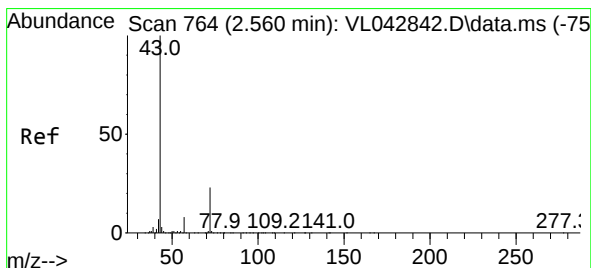
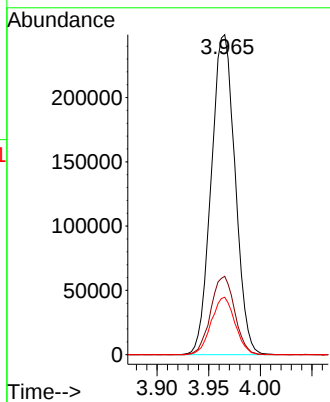
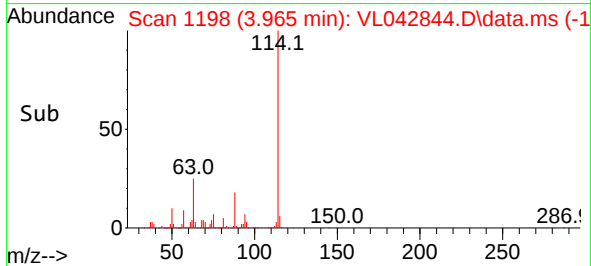
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



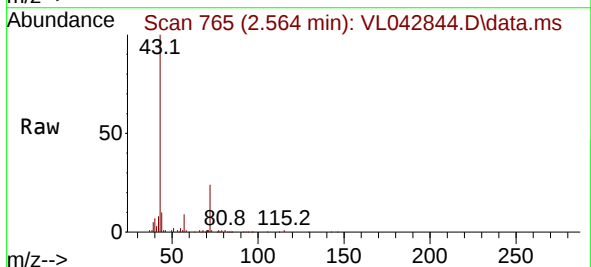
Tgt Ion: 114 Resp: 400305
Ion Ratio Lower Upper
114 100
63 24.6 19.7 29.5
88 17.9 14.4 21.6

Manual Integrations
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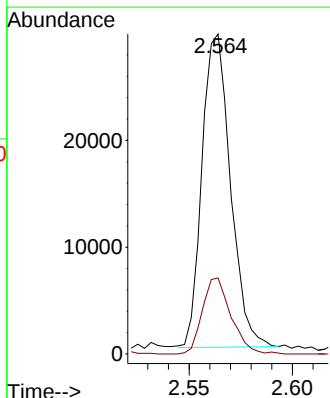
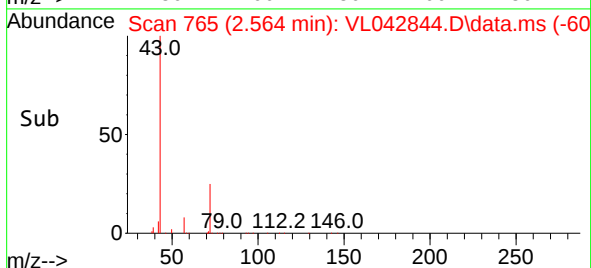
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

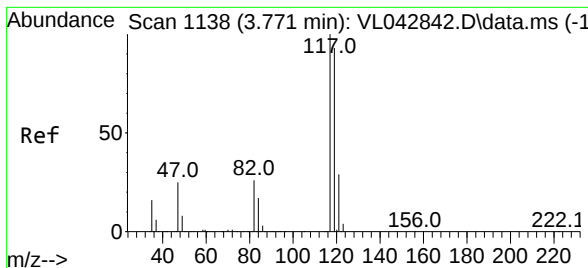


#34
2-Butanone
Concen: 1.040 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41



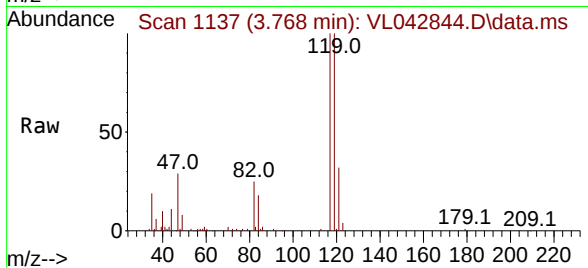
Tgt Ion: 43 Resp: 28105
Ion Ratio Lower Upper
43 100
72 24.4 18.6 28.0





#35
Carbon Tetrachloride
Concen: 1.015 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

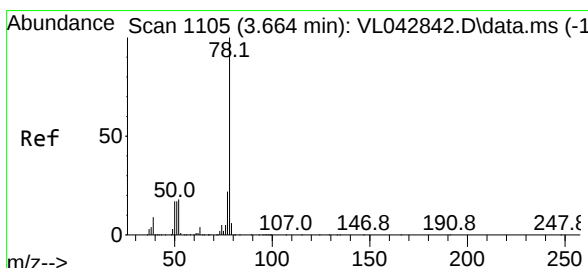
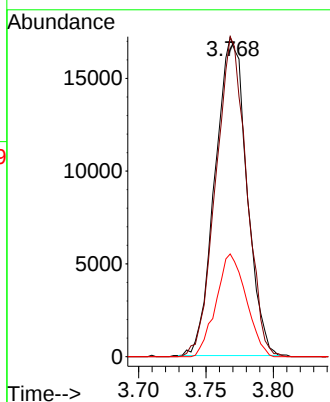
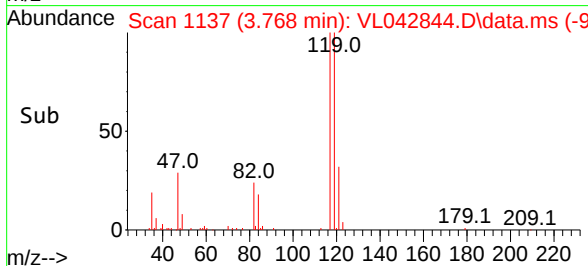
Instrument : MSVOA_L
ClientSampleId : VSTDIC001



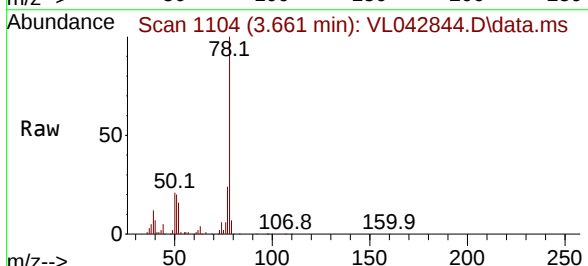
Tgt Ion: 117 Resp: 2800
Ion Ratio Lower Upper
117 100
119 100.5 74.7 112.1
121 32.3 23.2 34.8

Manual Integrations
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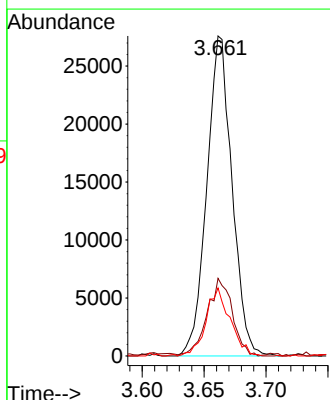
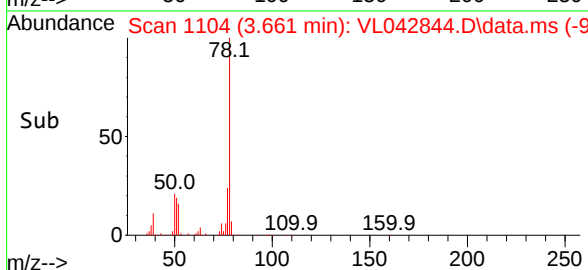
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

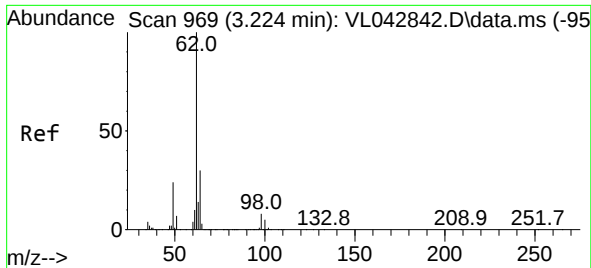


#36
Benzene
Concen: 1.021 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41



Tgt Ion: 78 Resp: 39137
Ion Ratio Lower Upper
78 100
77 23.8 17.7 26.5
50 21.1 13.9 20.9#





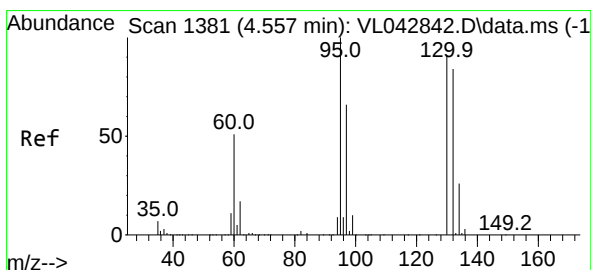
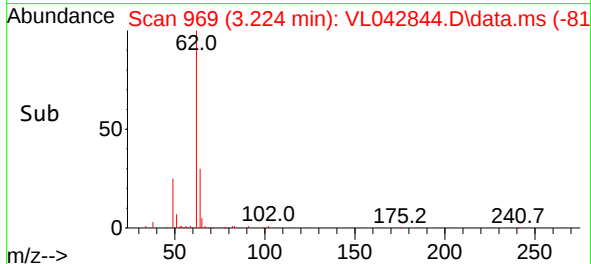
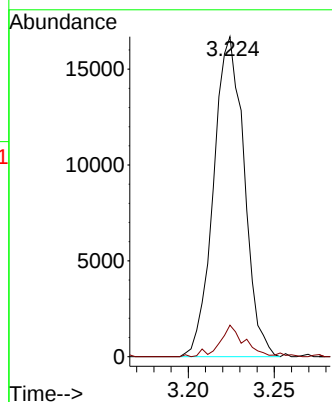
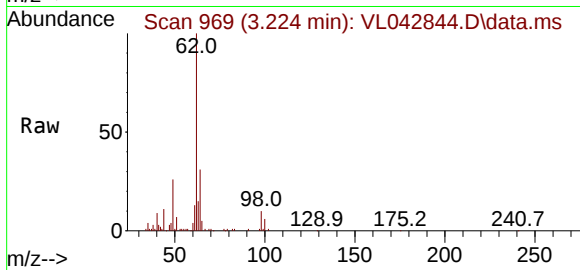
#37
1,2-Dichloroethane
Concen: 1.031 ppbv
RT: 3.224 min Scan# 969
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 62 Resp: 2064
Ion Ratio Lower Upper
62 100
98 8.4 5.9 8.9

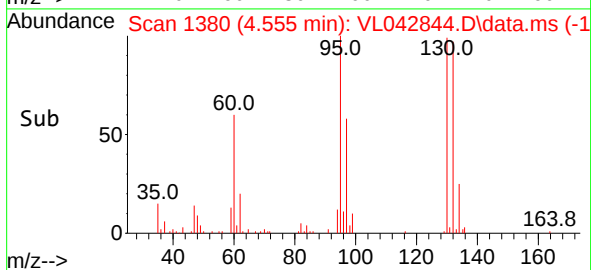
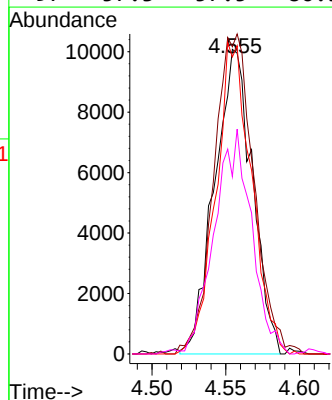
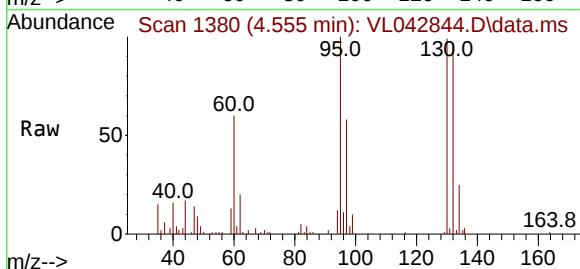
Manual Integrations
APPROVED

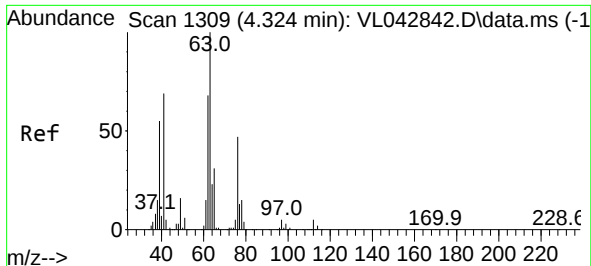
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#38
Trichloroethene
Concen: 1.024 ppbv
RT: 4.555 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

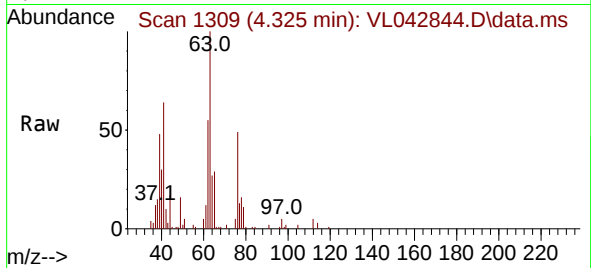
Tgt Ion:130 Resp: 17921
Ion Ratio Lower Upper
130 100
95 97.9 87.6 131.4
132 96.6 73.8 110.8
97 57.3 57.5 86.3#





#39
1,2-Dichloropropane
Concen: 1.042 ppbv m
RT: 4.325 min Scan# 1309
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

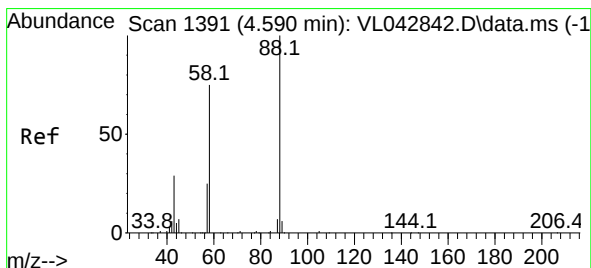
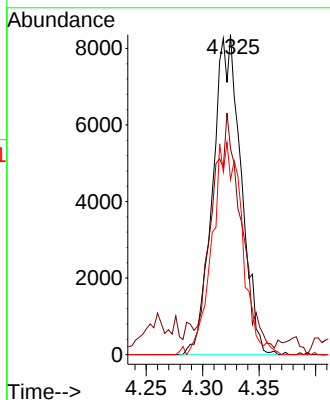
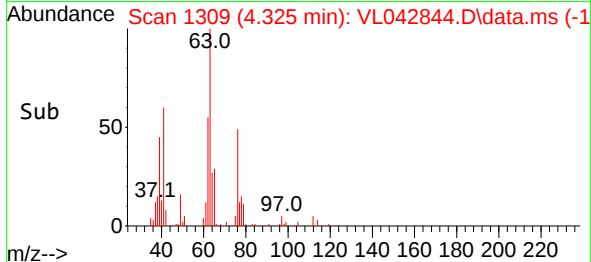
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



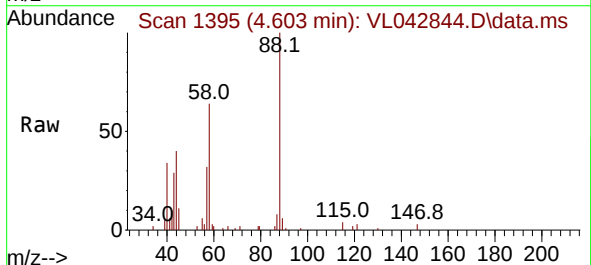
Tgt Ion: 63 Resp: 1459
Ion Ratio Lower Upper
63 100
41 64.4 55.0 82.4
62 54.7 54.4 81.6

Manual Integrations
APPROVED

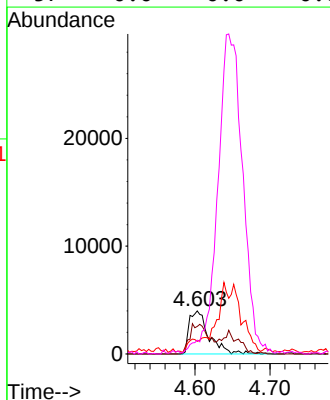
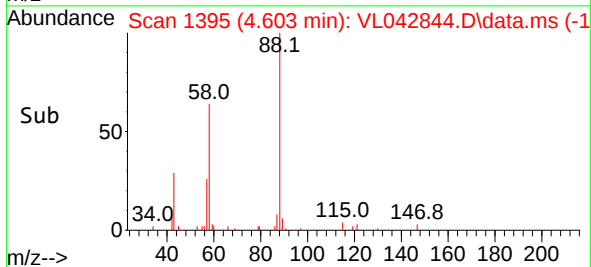
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

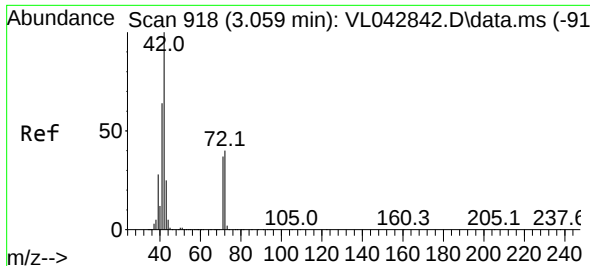


#40
1,4-Dioxane
Concen: 1.127 ppbv m
RT: 4.603 min Scan# 1395
Delta R.T. 0.013 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41



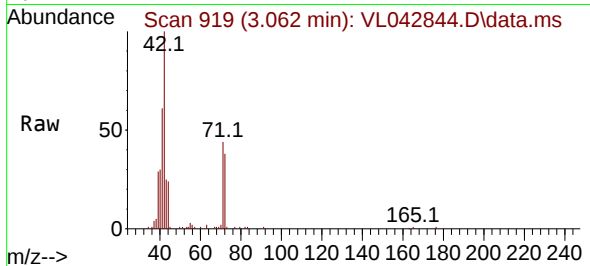
Tgt Ion: 88 Resp: 7386
Ion Ratio Lower Upper
88 100
58 0.0 53.8 80.6#
43 0.0 22.8 34.2#
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 1.032 ppbv
RT: 3.062 min Scan# 918
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

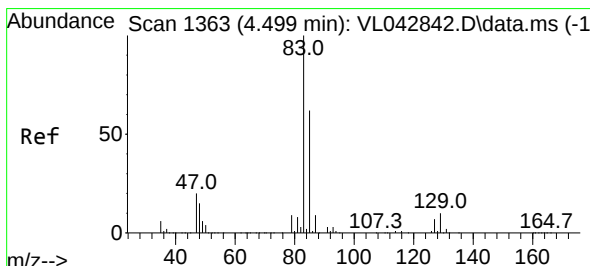
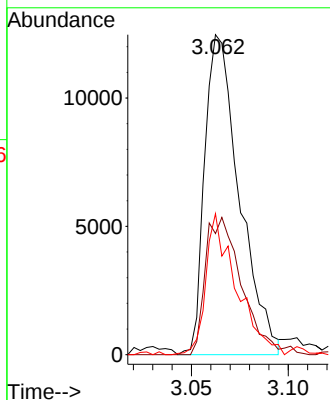
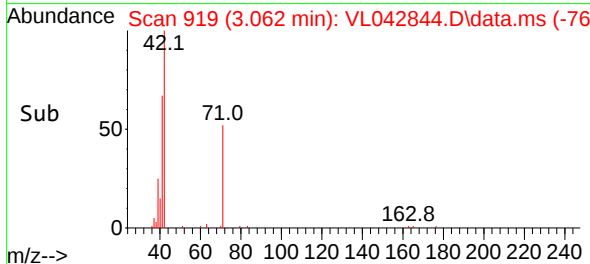
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 42 Resp: 1555
Ion Ratio Lower Upper
42 100
72 45.4 32.6 48.8
71 40.1 30.0 45.0

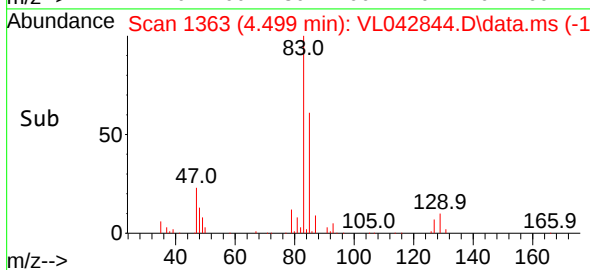
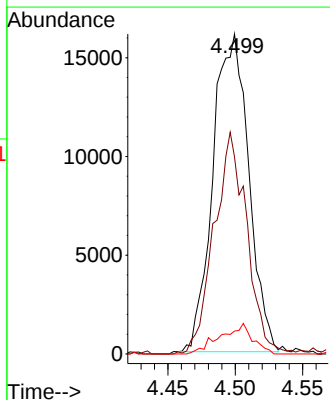
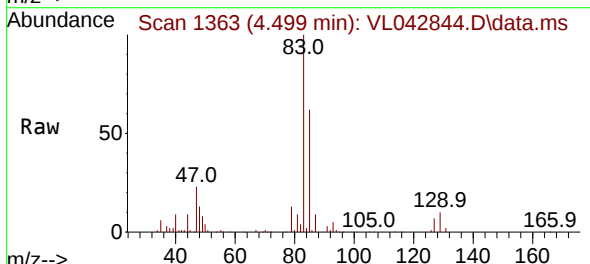
Manual Integrations
APPROVED

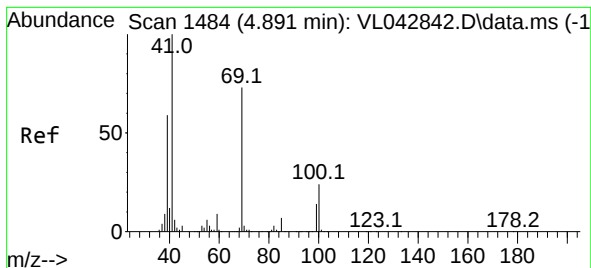
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#42
Bromodichloromethane
Concen: 0.995 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 83 Resp: 29683
Ion Ratio Lower Upper
83 100
85 61.3 49.8 74.8
127 7.2 5.8 8.6





#43

Methyl Methacrylate

Concen: 1.022 ppbv m

RT: 4.885 min Scan# 1482

Delta R.T. -0.006 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

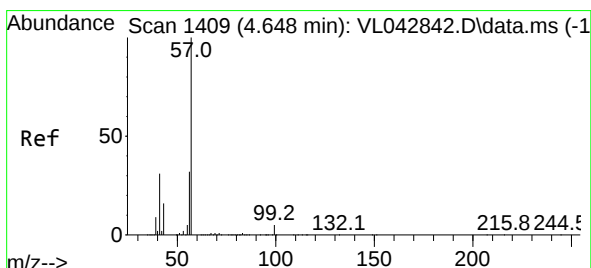
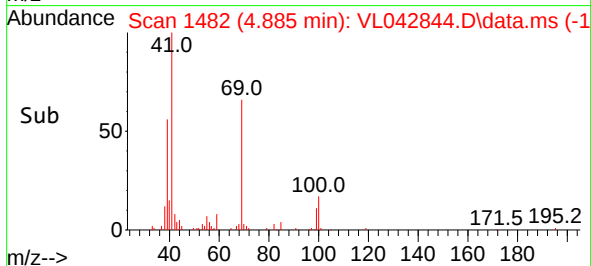
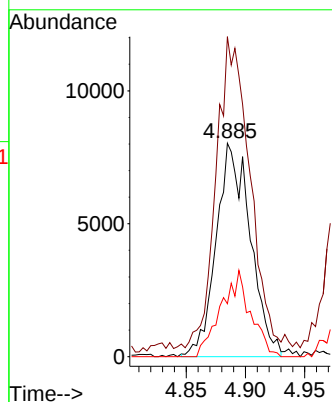
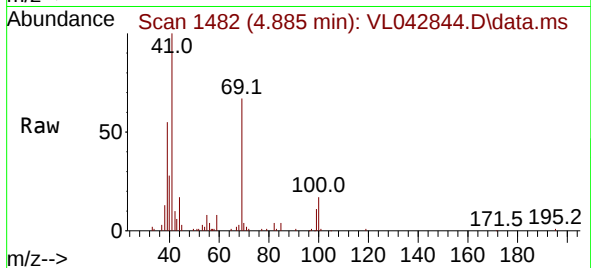
Tgt Ion: 69 Resp: 1607

Ion	Ratio	Lower	Upper
69	100		
41	0.0	114.6	172.0
100	35.1	30.2	45.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#44

2,2,4-Trimethylpentane

Concen: 1.069 ppbv m

RT: 4.645 min Scan# 1408

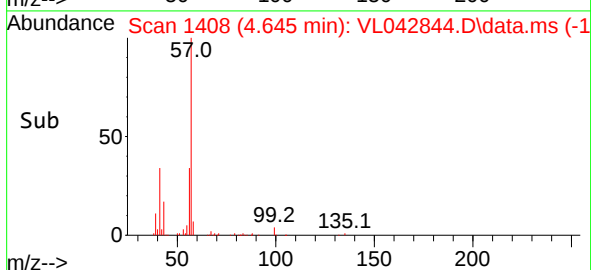
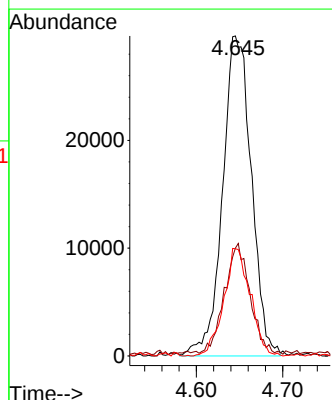
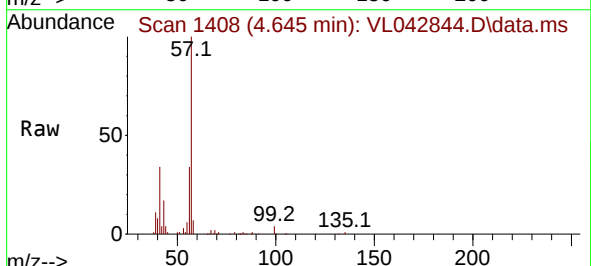
Delta R.T. -0.003 min

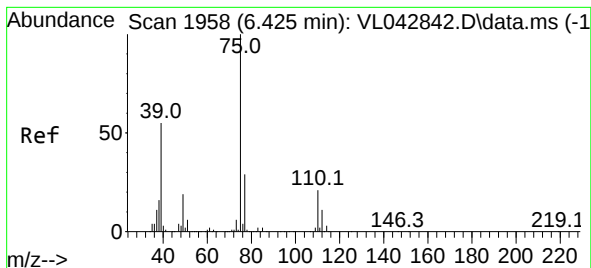
Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Tgt Ion: 57 Resp: 68813

Ion	Ratio	Lower	Upper
57	100		
41	32.7	24.8	37.2
56	31.3	25.5	38.3





#45

t-1,3-Dichloropropene

Concen: 1.042 ppbv m

RT: 6.419 min Scan# 1958

Delta R.T. -0.006 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 18580

Ion Ratio Lower Upper

75 100

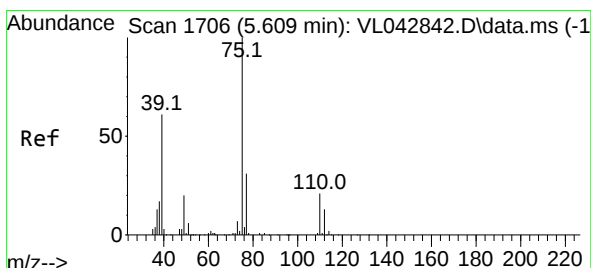
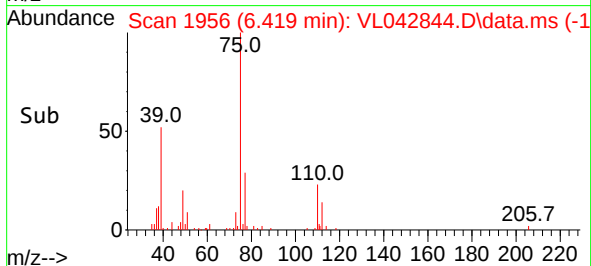
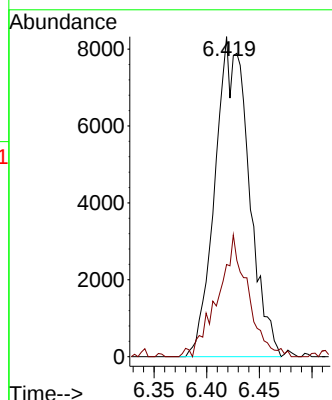
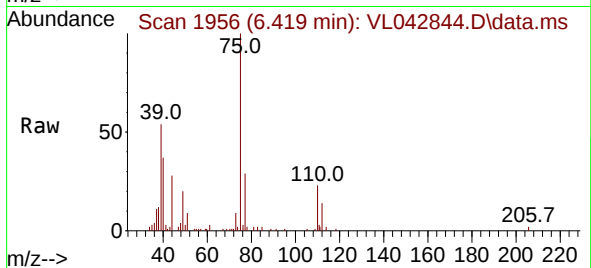
77 28.8 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#46

cis-1,3-Dichloropropene

Concen: 0.999 ppbv

RT: 5.610 min Scan# 1706

Delta R.T. 0.000 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

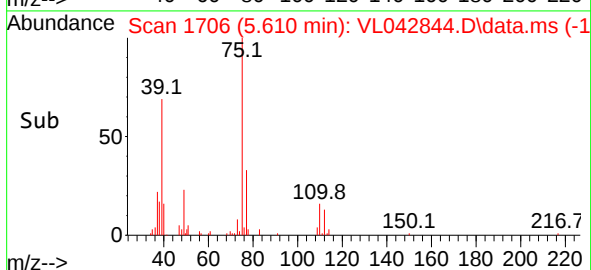
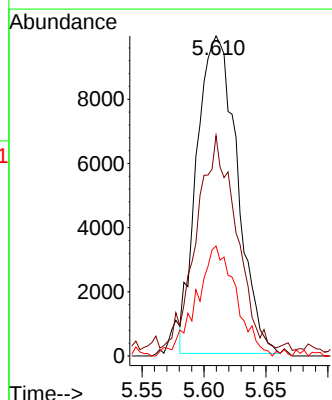
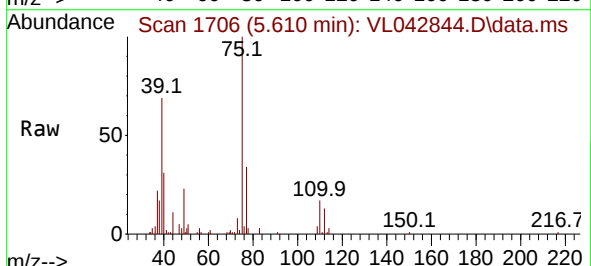
Tgt Ion: 75 Resp: 22372

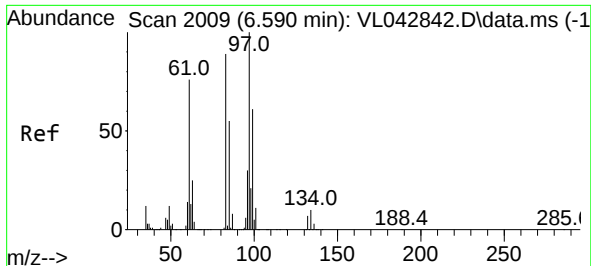
Ion Ratio Lower Upper

75 100

39 66.4 48.9 73.3

77 33.8 24.9 37.3





#47

1,1,2-Trichloroethane

Concen: 1.032 ppbv

RT: 6.597 min Scan# 2009

Delta R.T. 0.007 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_L

ClientSampleId :

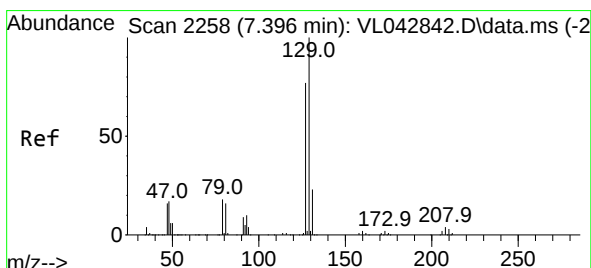
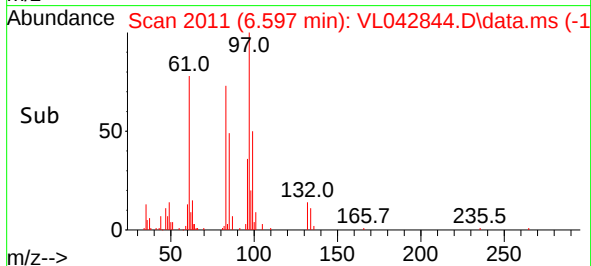
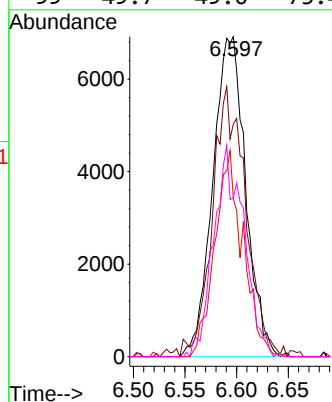
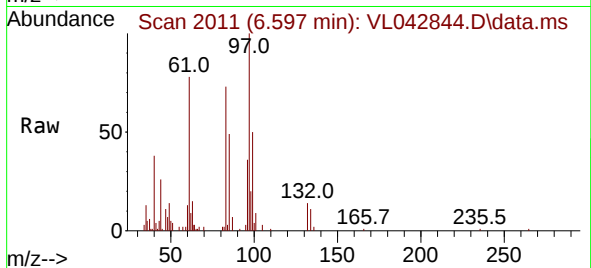
VSTDIC001

Tgt Ion: 97	Resp: 1529
Ion Ratio	Lower Upper
97 100	
83 72.7	71.0 106.4
85 49.4	43.6 65.4
99 49.7	49.0 73.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#48

Dibromochloromethane

Concen: 1.009 ppbv

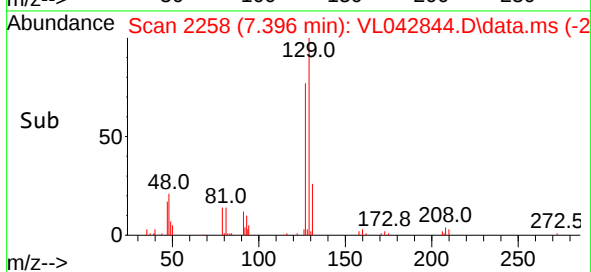
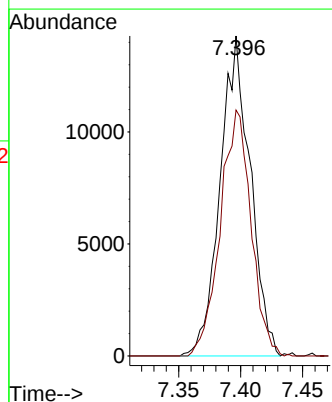
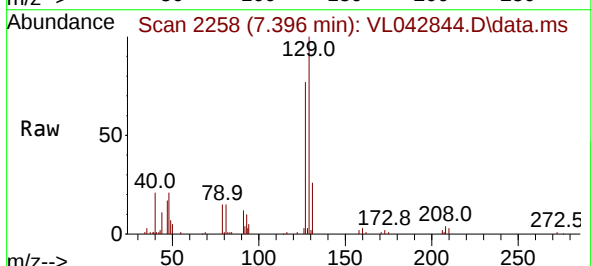
RT: 7.396 min Scan# 2258

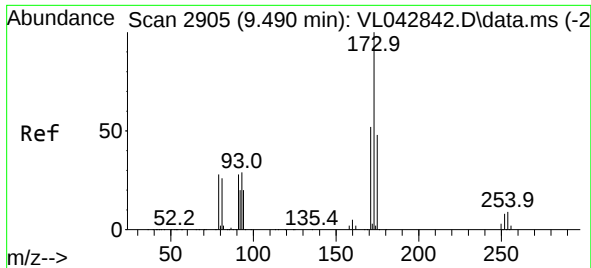
Delta R.T. 0.000 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Tgt Ion:129	Resp: 24214
Ion Ratio	Lower Upper
129 100	
127 78.2	39.4 118.2





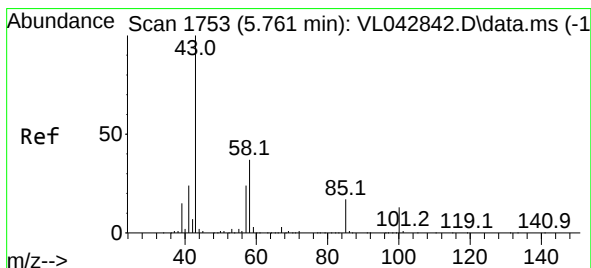
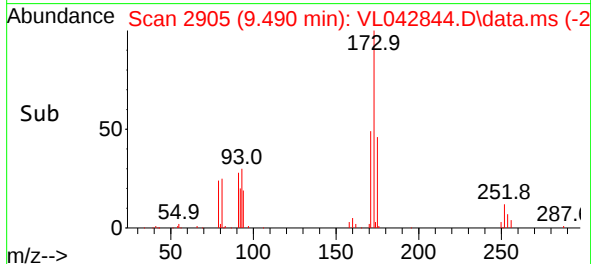
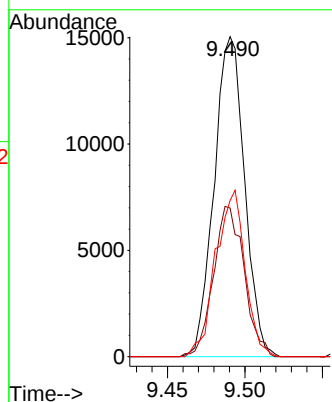
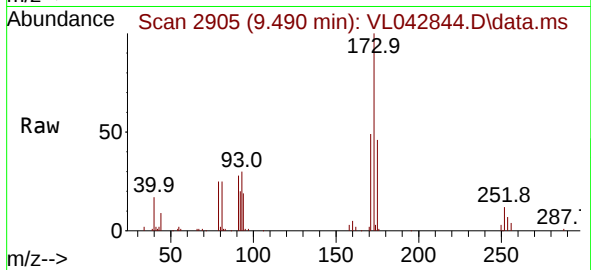
#49
Bromoform
Concen: 1.040 ppbv
RT: 9.490 min Scan# 2905
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:173 Resp: 20579
Ion Ratio Lower Upper
173 100
175 47.3 39.2 58.8
171 50.3 41.3 61.9

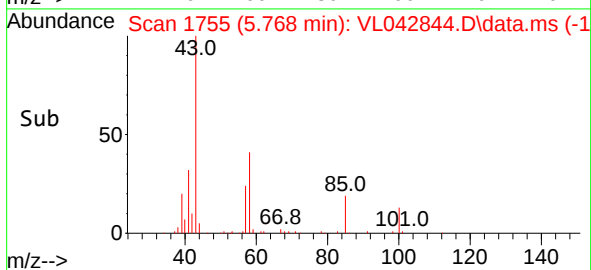
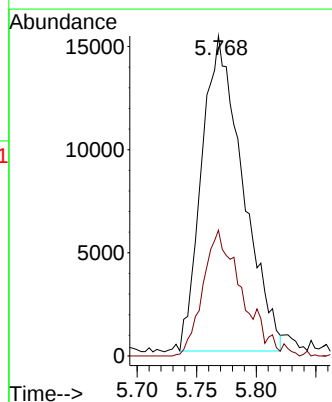
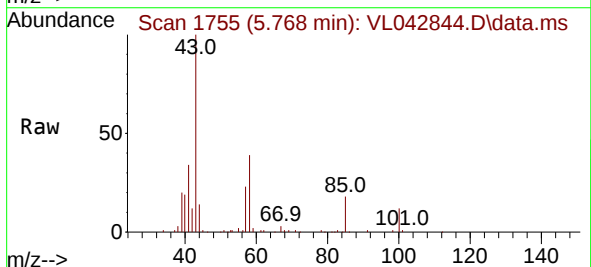
Manual Integrations
APPROVED

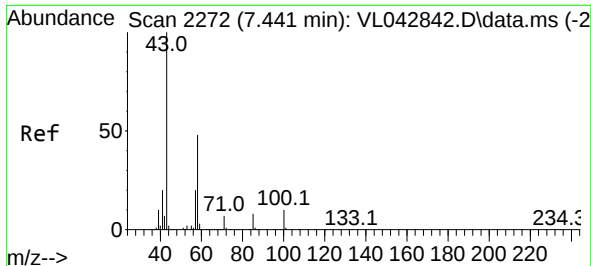
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#50
4-Methyl-2-Pentanone
Concen: 1.001 ppbv
RT: 5.768 min Scan# 1755
Delta R.T. 0.007 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

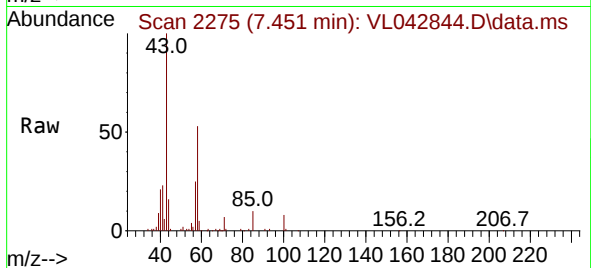
Tgt Ion: 43 Resp: 36710
Ion Ratio Lower Upper
43 100
58 38.3 29.8 44.8





#51
2-Hexanone
Concen: 1.026 ppbv
RT: 7.451 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

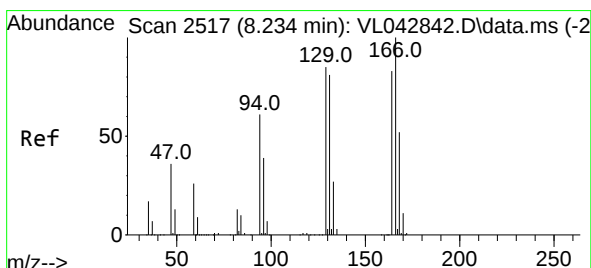
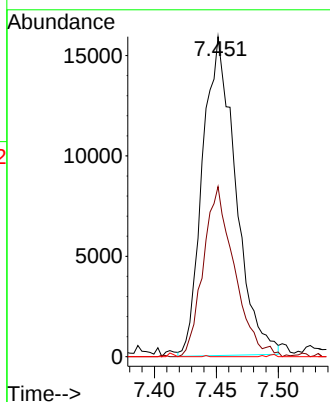
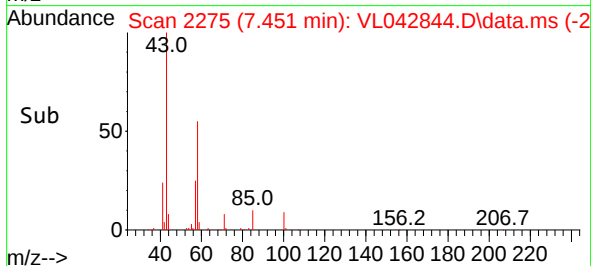
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 43 Resp: 2948
Ion Ratio Lower Upper
43 100
58 50.6 41.0 61.6
98 0.2 0.1 0.1

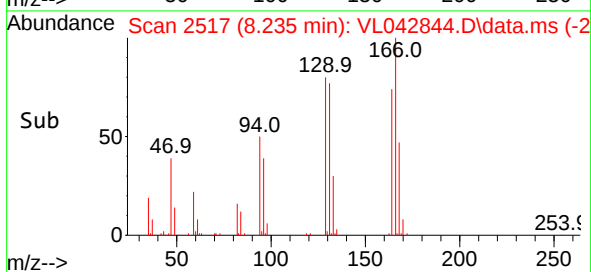
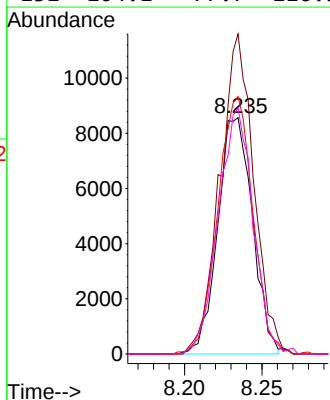
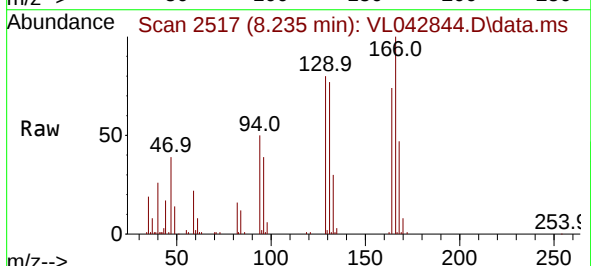
Manual Integrations
APPROVED

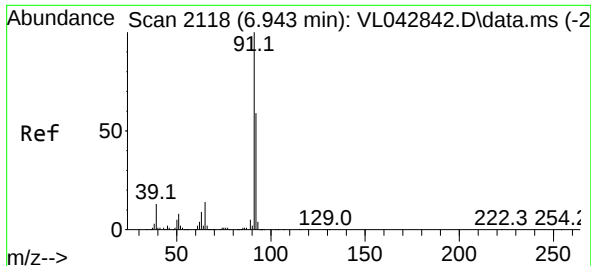
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#52
Tetrachloroethene
Concen: 0.960 ppbv
RT: 8.235 min Scan# 2517
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:164 Resp: 13322
Ion Ratio Lower Upper
164 100
166 135.4 96.5 144.7
129 110.5 81.8 122.6
131 104.1 77.7 116.5





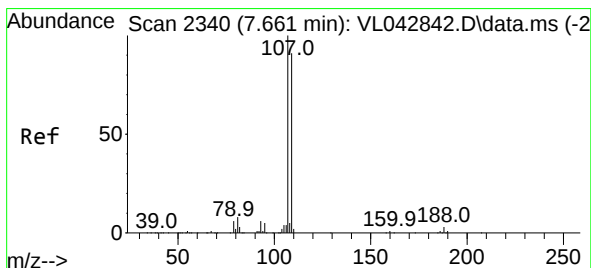
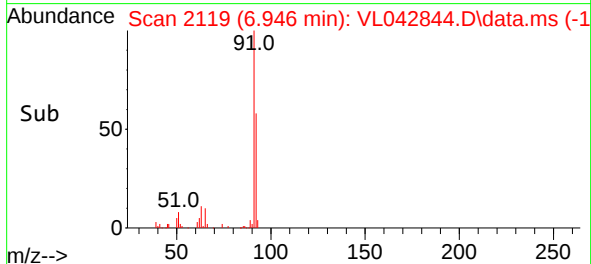
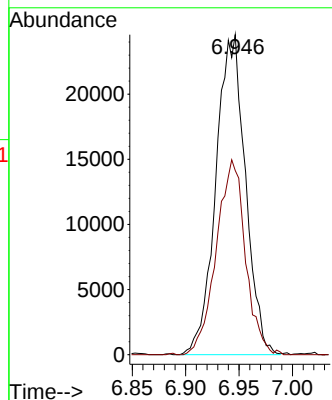
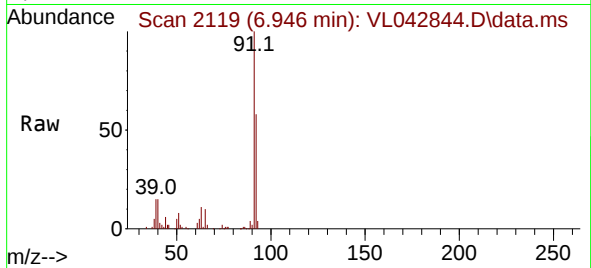
#53
Toluene
Concen: 1.036 ppbv
RT: 6.946 min Scan# 2118
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 47250
Ion Ratio Lower Upper
91 100
92 60.1 47.8 71.6

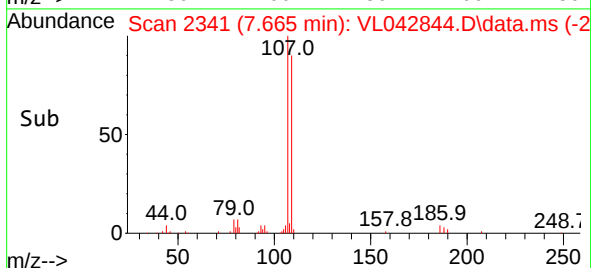
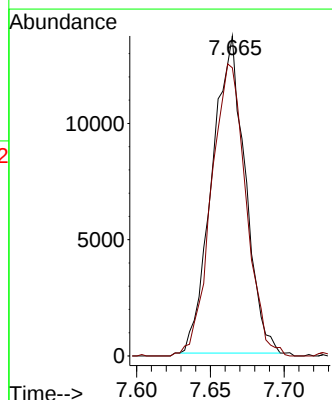
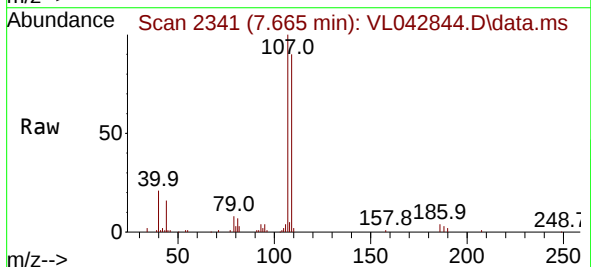
Manual Integrations
APPROVED

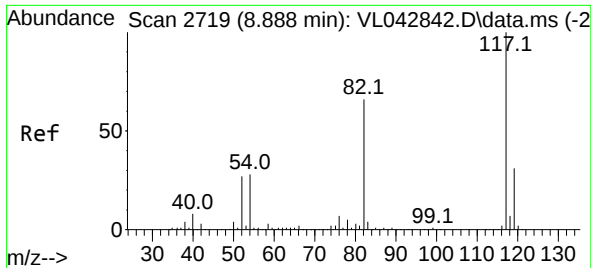
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#54
1,2-Dibromoethane
Concen: 0.982 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

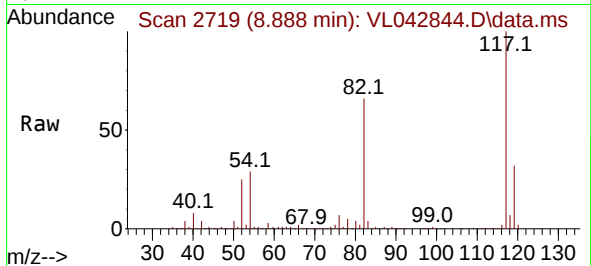
Tgt Ion:107 Resp: 21280
Ion Ratio Lower Upper
107 100
109 89.9 72.5 108.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

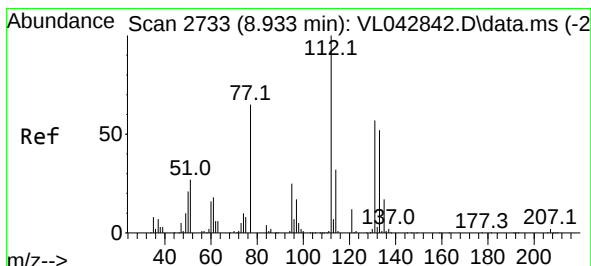
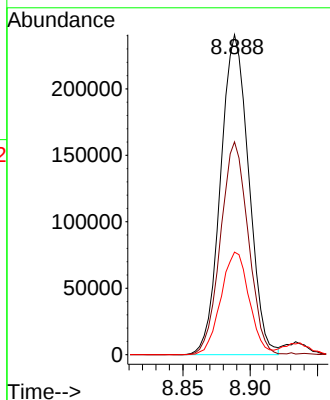
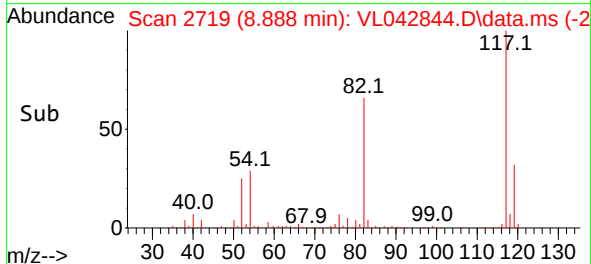
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion:117 Resp: 34957
Ion Ratio Lower Upper
117 100
82 65.9 54.6 81.8
119 32.9 25.9 38.9

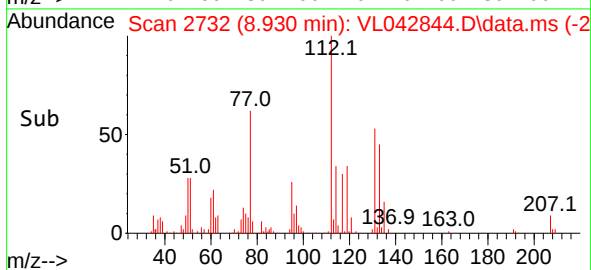
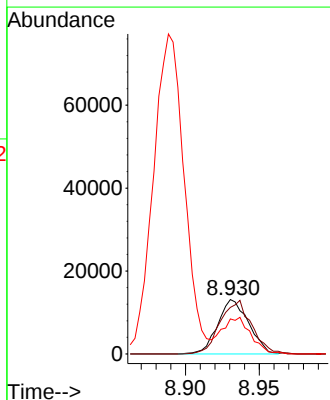
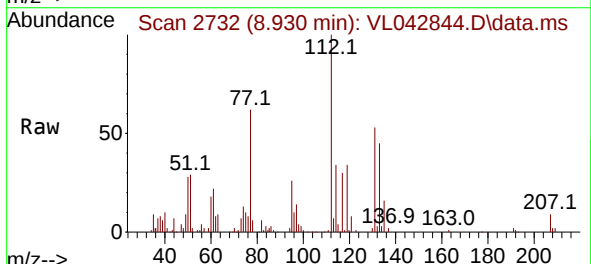
Manual Integrations
APPROVED

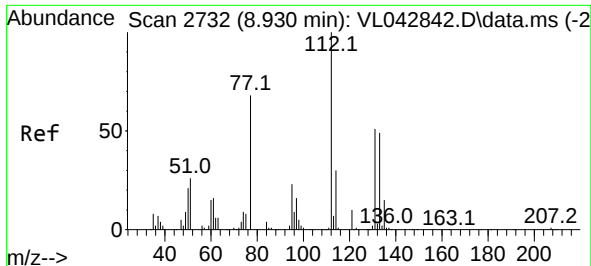
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 1.061 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:131 Resp: 19176
Ion Ratio Lower Upper
131 100
133 99.8 77.4 116.0
119 59.0 51.2 76.8





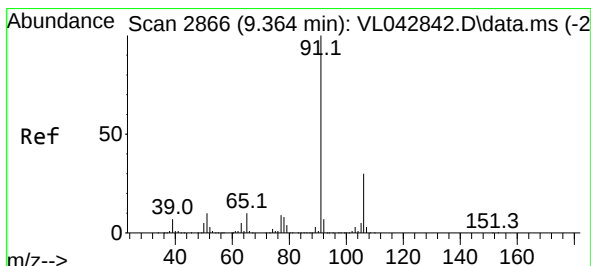
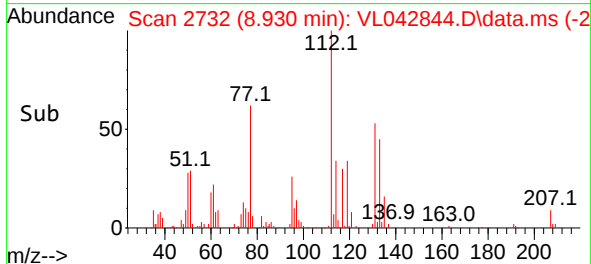
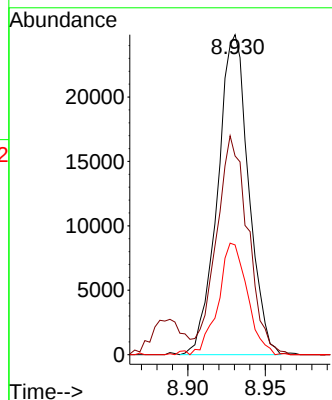
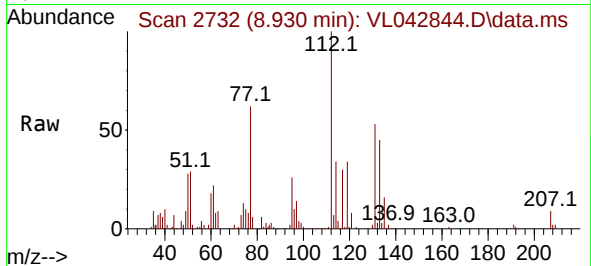
#57
Chlorobenzene
Concen: 1.041 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:112 Resp: 3461
Ion Ratio Lower Upper
112 100
77 61.0 55.5 83.3
114 34.0 27.2 33.2

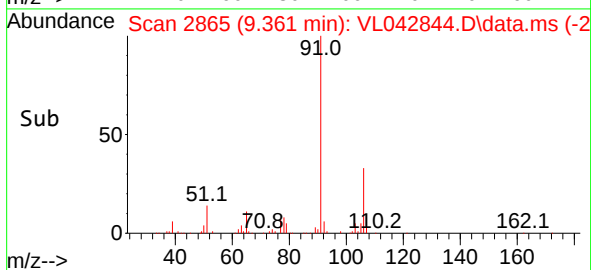
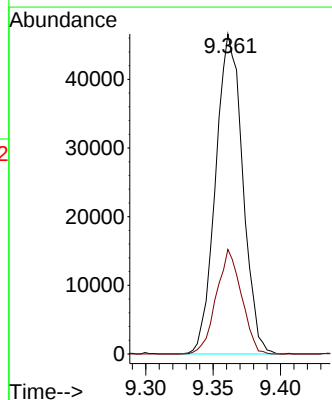
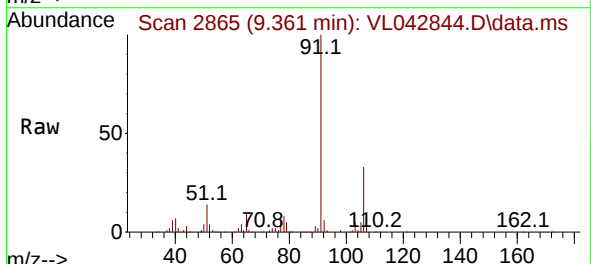
Manual Integrations
APPROVED

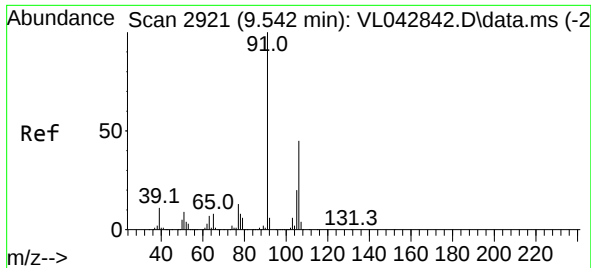
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#58
Ethyl Benzene
Concen: 1.057 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 91 Resp: 65223
Ion Ratio Lower Upper
91 100
106 32.7 23.9 35.9





#59

m/p-Xylene

Concen: 2.098 ppbv m

RT: 9.558 min Scan# 2921

Delta R.T. 0.016 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 91 Resp: 101634

Ion Ratio Lower Upper

91 100

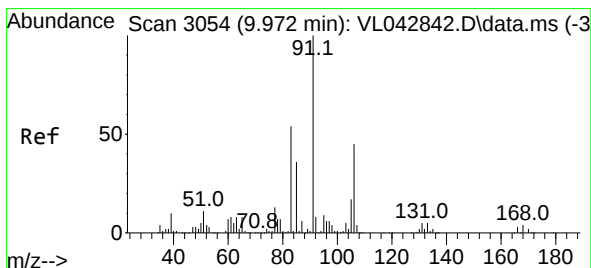
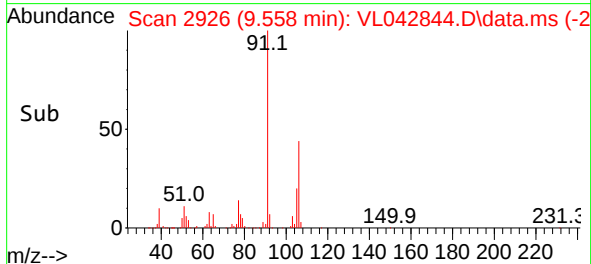
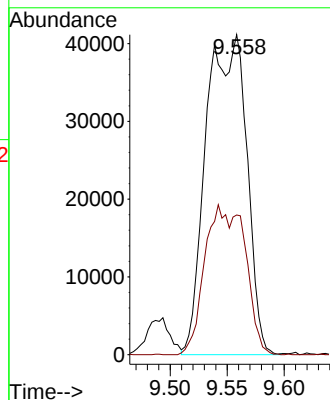
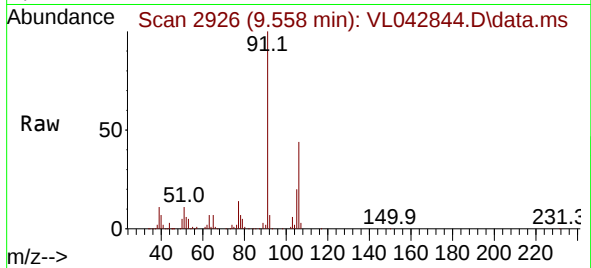
106 46.6 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#60

o-Xylene

Concen: 1.058 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. -0.003 min

Lab File: VL042844.D

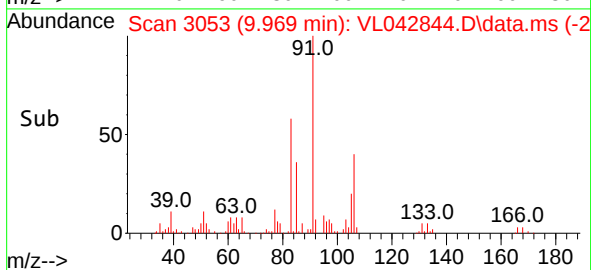
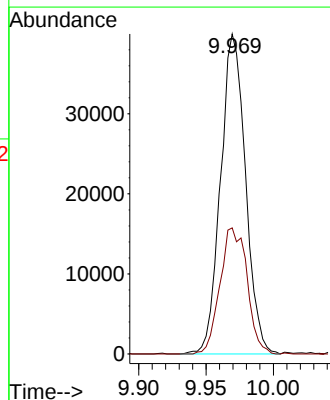
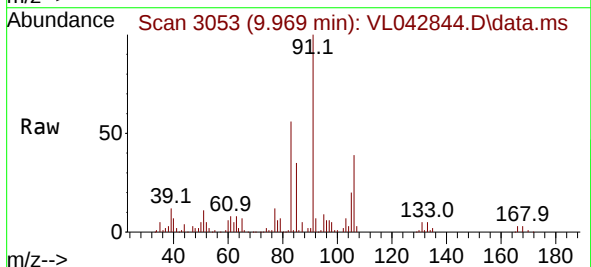
Acq: 13 Aug 2025 09:41

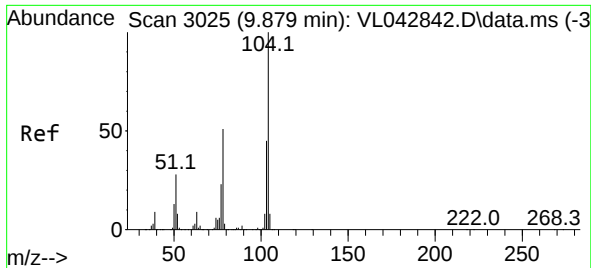
Tgt Ion: 91 Resp: 51445

Ion Ratio Lower Upper

91 100

106 42.8 21.8 65.4





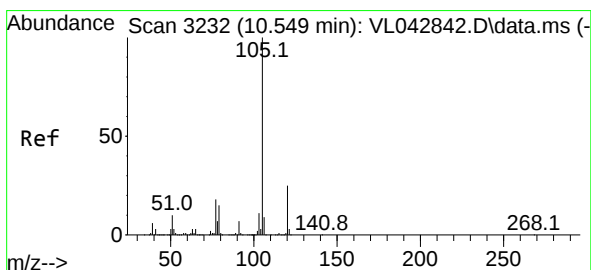
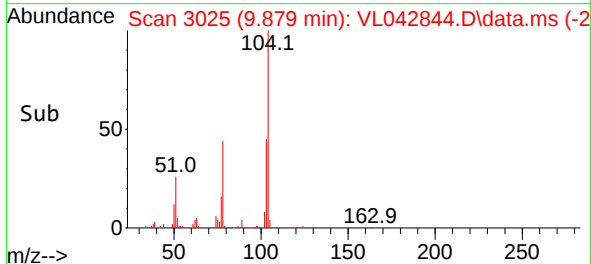
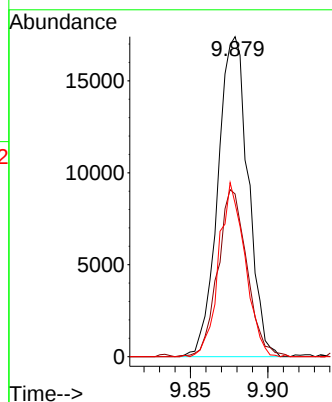
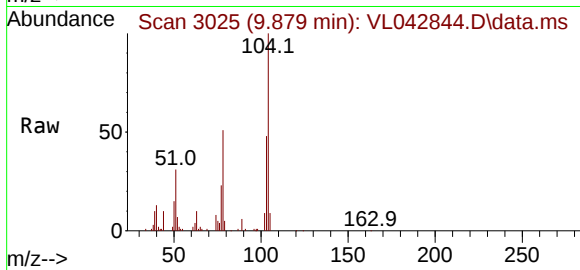
#61
Styrene
Concen: 1.038 ppbv
RT: 9.879 min Scan# 3025
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

Tgt Ion:104 Resp: 23660
Ion Ratio Lower Upper
104 100
78 50.4 40.6 61.0
103 47.3 37.7 56.5

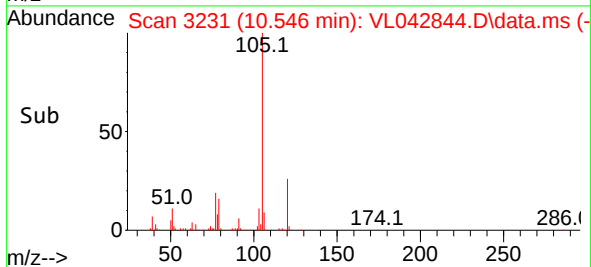
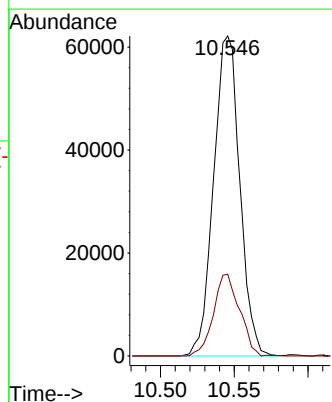
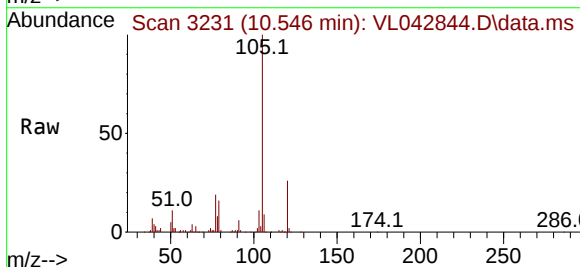
Manual Integrations
APPROVED

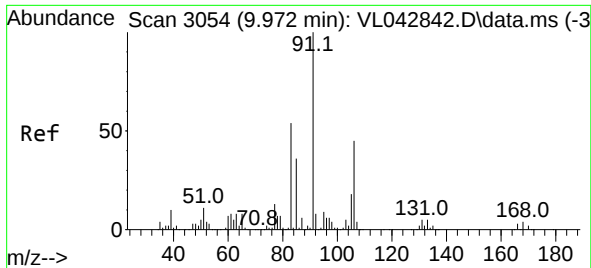
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#62
Isopropylbenzene
Concen: 1.079 ppbv
RT: 10.546 min Scan# 3231
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

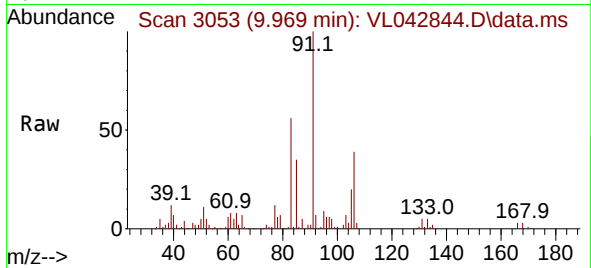
Tgt Ion:105 Resp: 76708
Ion Ratio Lower Upper
105 100
120 25.4 20.6 30.8





#63
1,1,2,2-Tetrachloroethane
Concen: 1.032 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

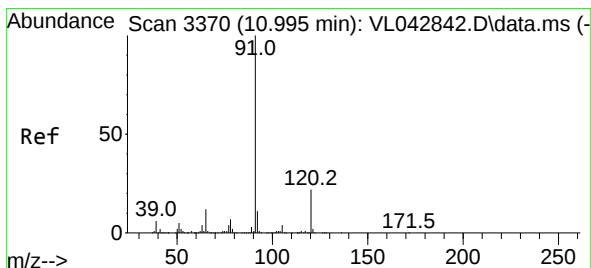
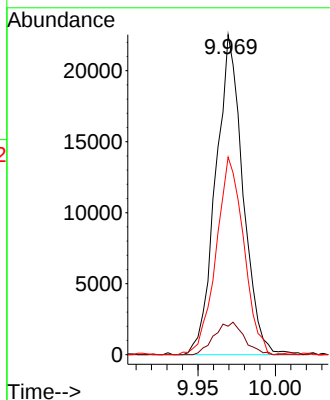
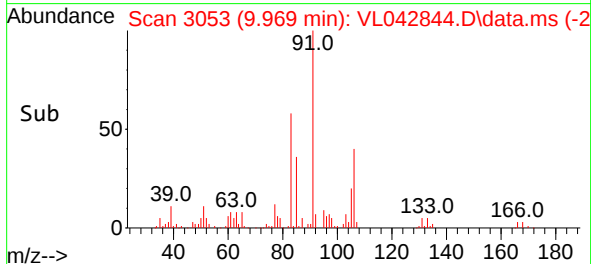
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 83 Resp: 27410
Ion Ratio Lower Upper
83 100
131 11.2 4.8 14.3
85 63.5 32.3 96.8

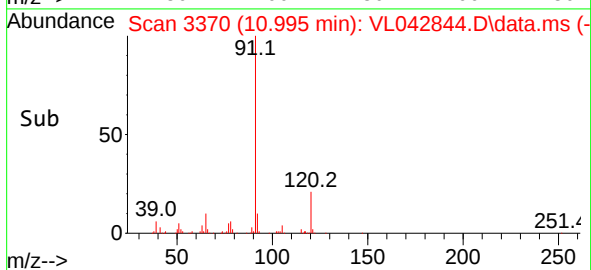
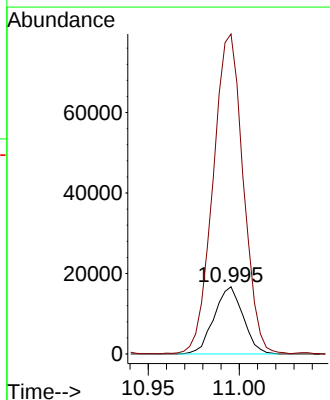
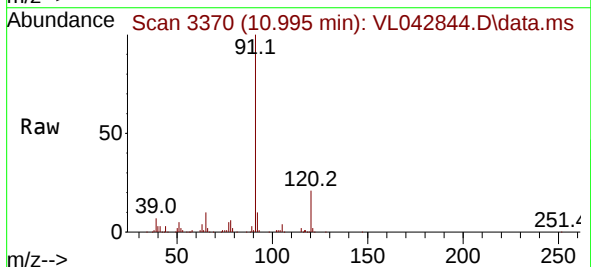
Manual Integrations
APPROVED

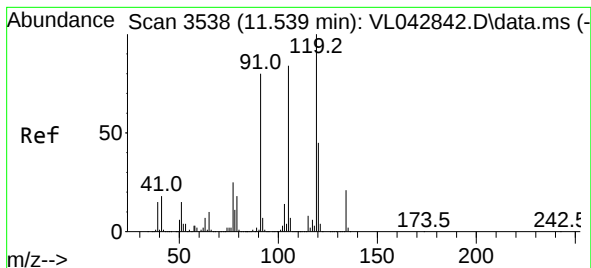
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#64
n-propylbenzene
Concen: 1.018 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

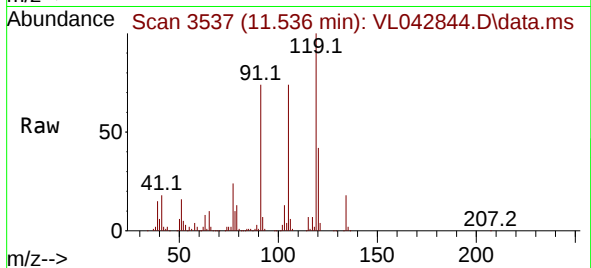
Tgt Ion:120 Resp: 18462
Ion Ratio Lower Upper
120 100
91 496.0 375.8 563.6





#65
tert-Butylbenzene
Concen: 1.111 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

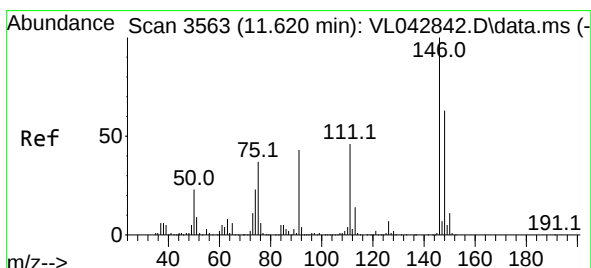
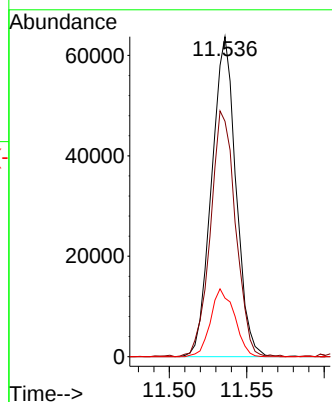
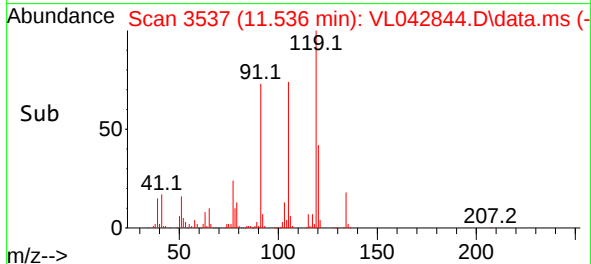
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



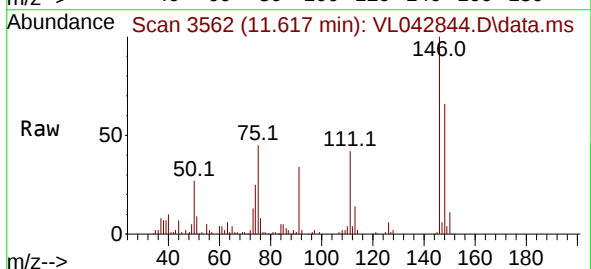
Tgt Ion: 119 Resp: 6961
Ion Ratio Lower Upper
119 100
91 79.3 63.9 95.9
134 20.9 17.0 25.4

Manual Integrations
APPROVED

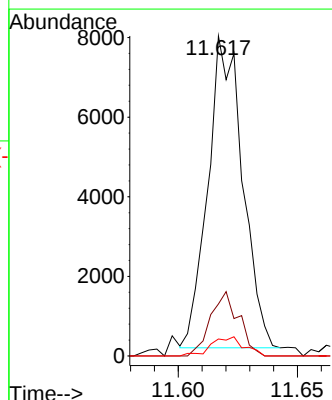
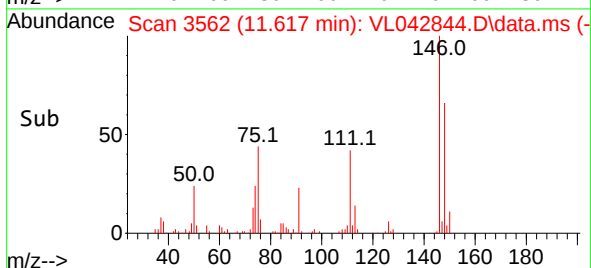
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

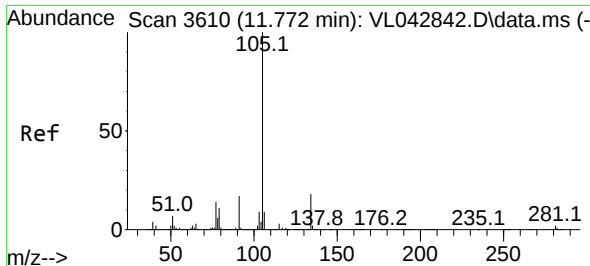


#66
Benzyl Chloride
Concen: 0.993 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41



Tgt Ion: 91 Resp: 7900
Ion Ratio Lower Upper
91 100
126 16.9 14.2 21.4
128 5.8 5.0 7.6





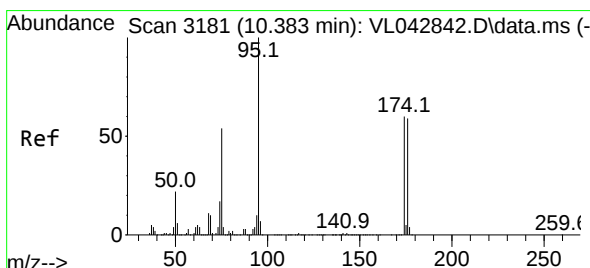
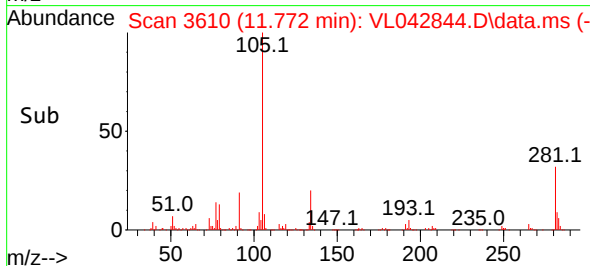
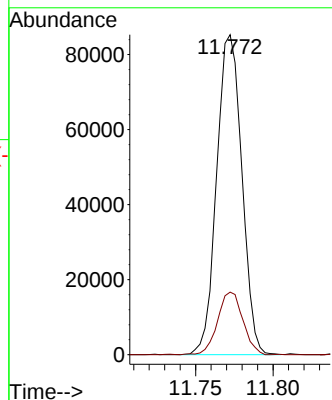
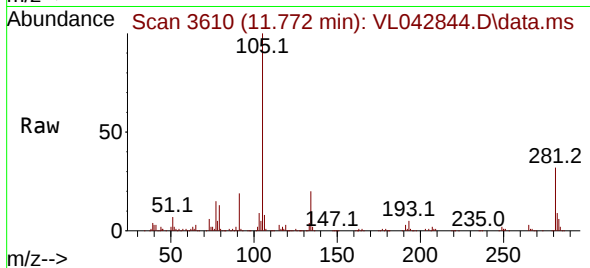
#67
 sec-Butylbenzene
 Concen: 1.095 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

Tgt Ion:105 Resp: 96288
 Ion Ratio Lower Upper
 105 100
 134 19.7 14.9 22.3

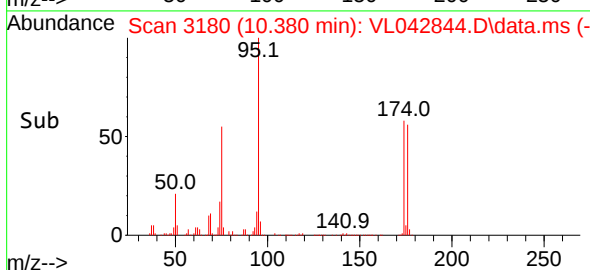
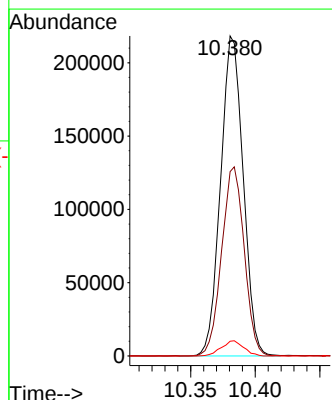
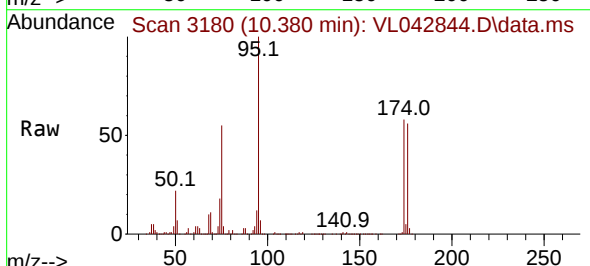
Manual Integrations
 APPROVED

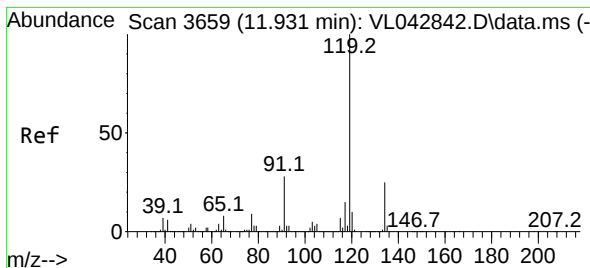
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.135 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. -0.003 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

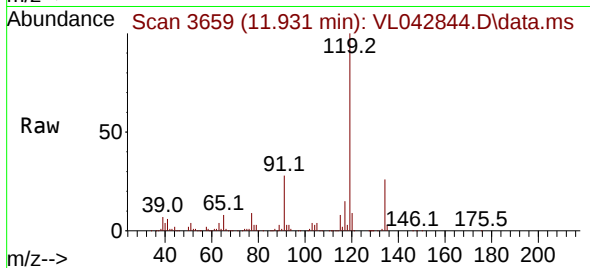
Tgt Ion: 95 Resp: 265708
 Ion Ratio Lower Upper
 95 100
 174 59.1 48.4 72.6
 175 4.7 3.8 5.8





#69
p-Isopropyltoluene
Concen: 1.098 ppbv
RT: 11.931 min Scan# 3659
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

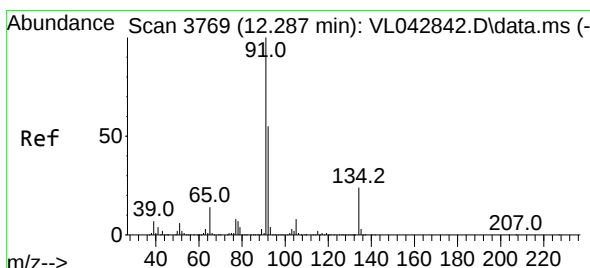
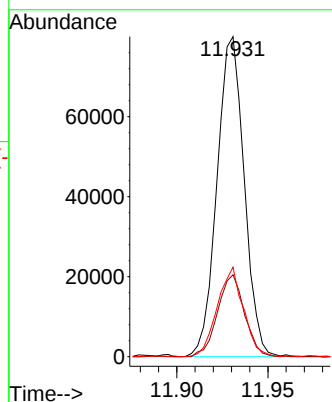
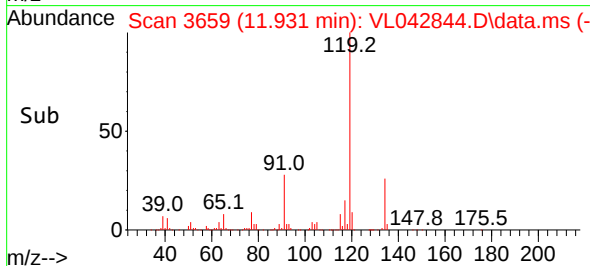
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



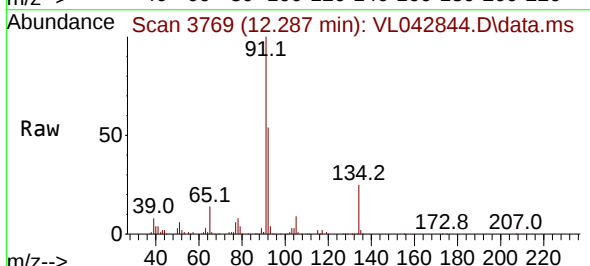
Tgt Ion:119 Resp: 82934
Ion Ratio Lower Upper
119 100
134 25.3 20.6 30.8
91 27.2 22.6 34.0

Manual Integrations
APPROVED

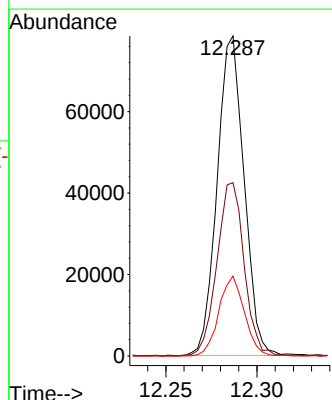
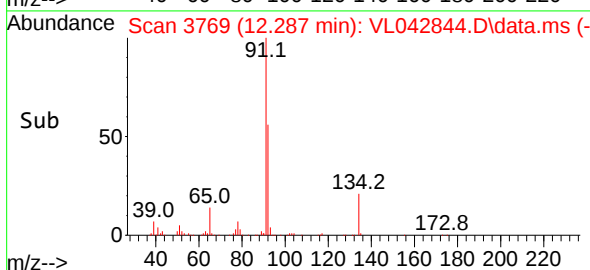
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

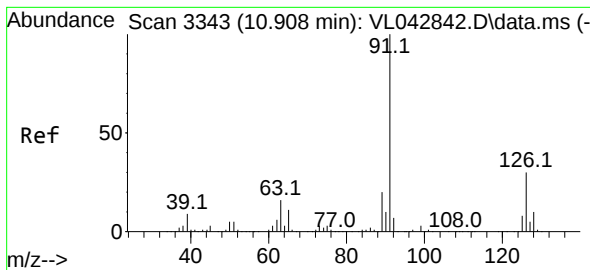


#70
n-Butylbenzene
Concen: 1.075 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41



Tgt Ion: 91 Resp: 80511
Ion Ratio Lower Upper
91 100
92 55.2 44.6 66.8
134 23.7 19.0 28.4





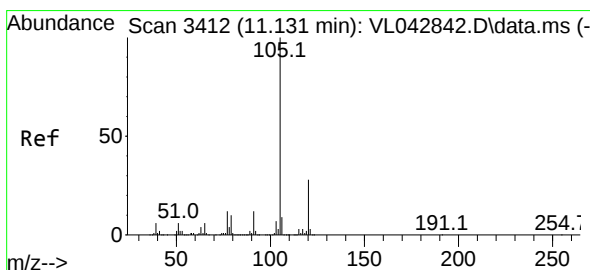
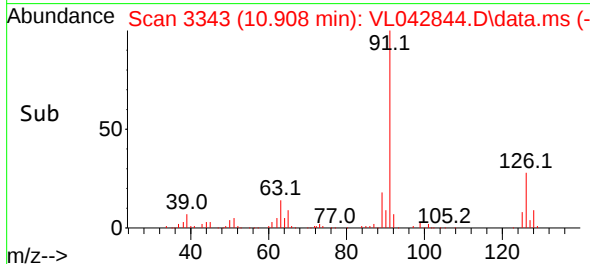
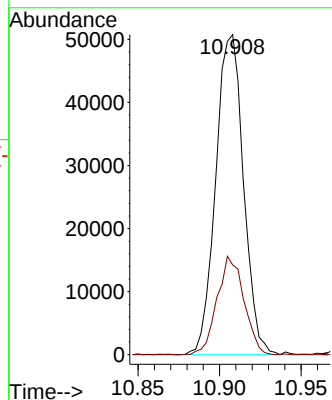
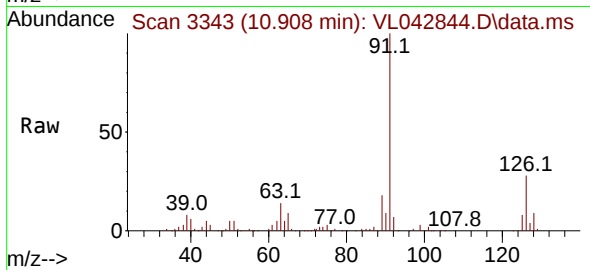
#71
2-Chlorotoluene
Concen: 1.089 ppbv
RT: 10.908 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 6008
Ion Ratio Lower Upper
91 100
126 29.7 12.0 47.8

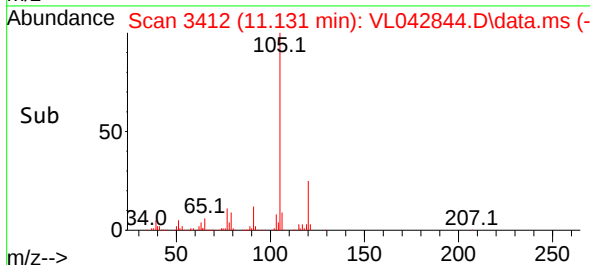
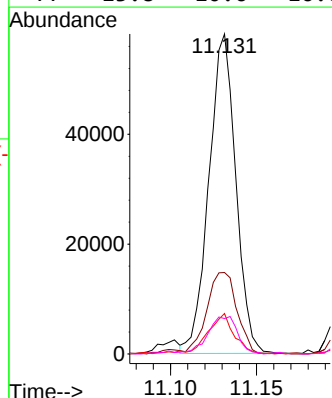
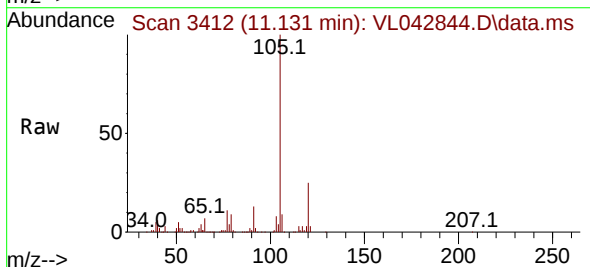
Manual Integrations
APPROVED

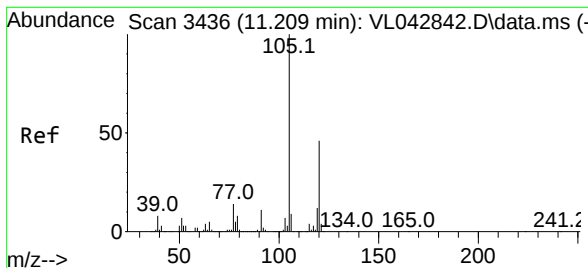
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#72
4-Ethyltoluene
Concen: 1.071 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

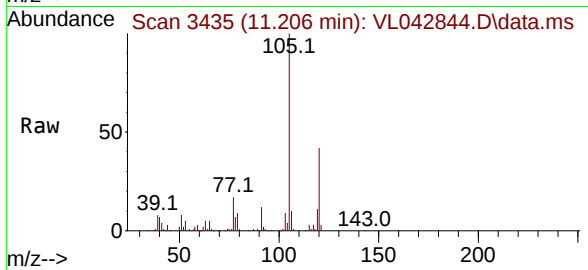
Tgt Ion:105 Resp: 63147
Ion Ratio Lower Upper
105 100
120 29.9 23.4 35.2
91 13.0 9.8 14.6
77 13.8 10.6 16.0





#73
1,3,5-Trimethylbenzene
Concen: 1.070 ppbv
RT: 11.206 min Scan# 3436
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

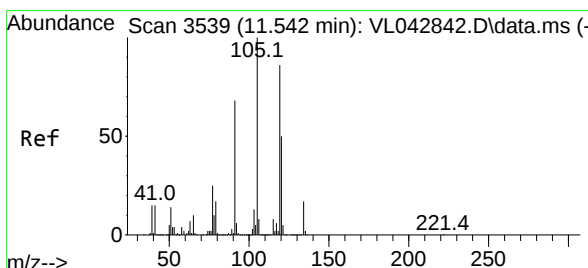
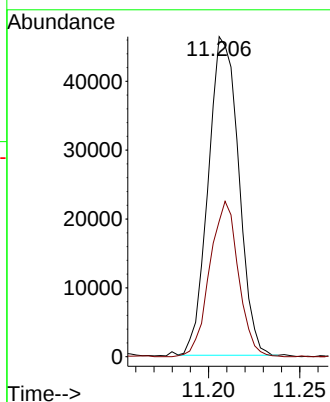
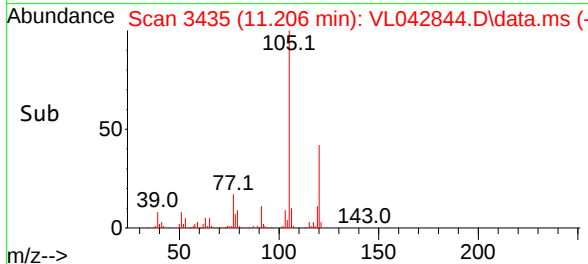
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



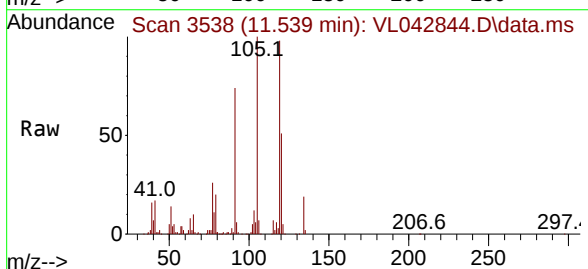
Tgt Ion:105 Resp: 53670
Ion Ratio Lower Upper
105 100
120 42.3 36.6 54.8

Manual Integrations
APPROVED

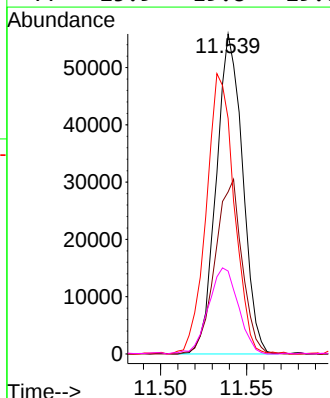
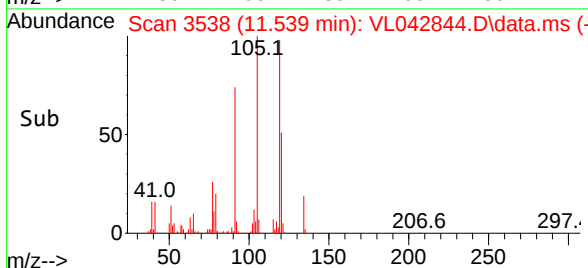
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

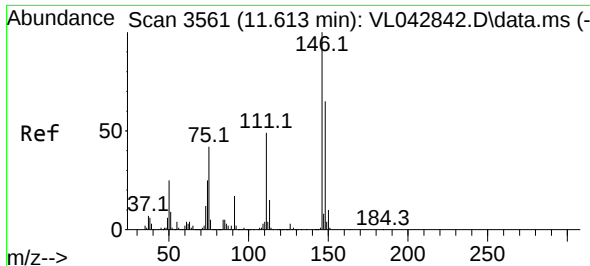


#74
1,2,4-Trimethylbenzene
Concen: 1.083 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41



Tgt Ion:105 Resp: 59633
Ion Ratio Lower Upper
105 100
120 50.7 39.8 59.6
91 73.3 54.2 81.4
77 25.9 19.8 29.6





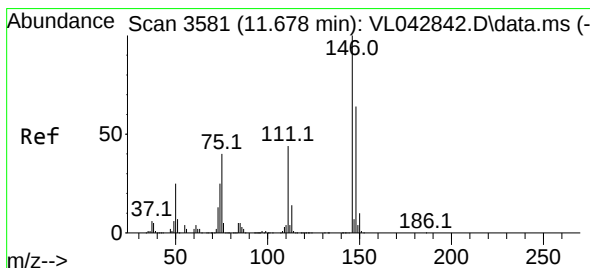
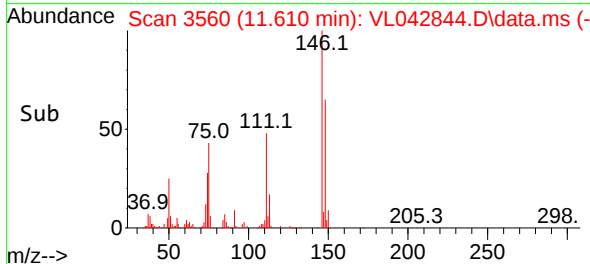
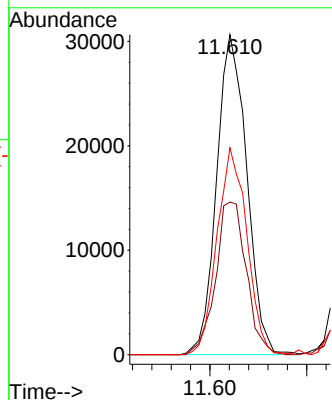
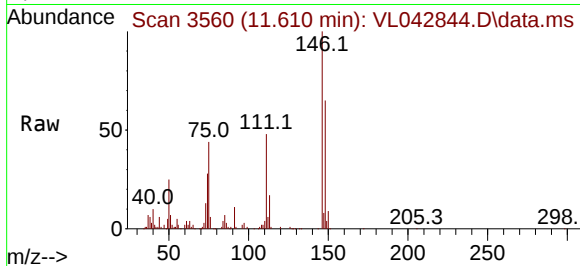
#75
1,3-Dichlorobenzene
Concen: 1.057 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 33064
Ion Ratio Lower Upper
146 100
111 48.6 23.9 71.7
148 64.1 31.4 94.0

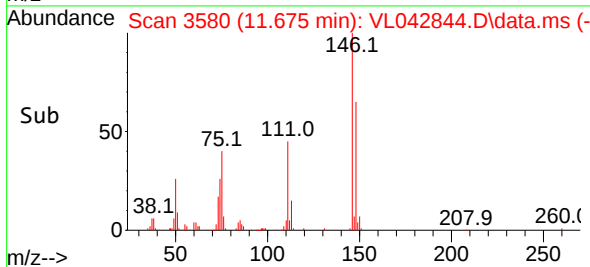
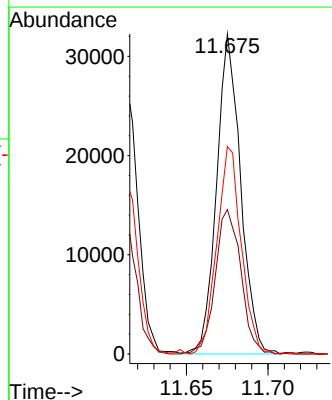
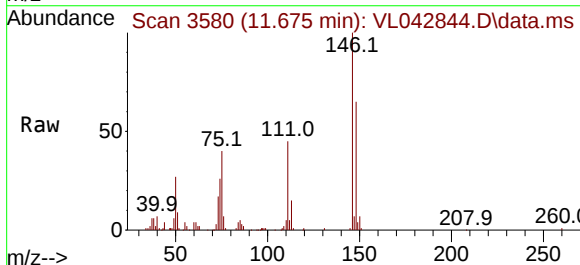
Manual Integrations
APPROVED

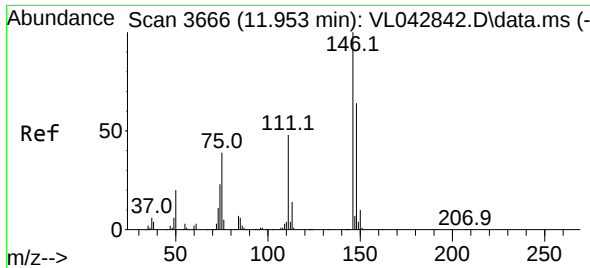
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#76
1,4-Dichlorobenzene
Concen: 1.045 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:146 Resp: 33064
Ion Ratio Lower Upper
146 100
111 48.1 22.7 68.1
148 66.0 31.8 95.3





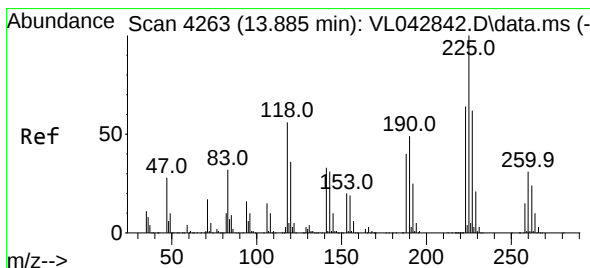
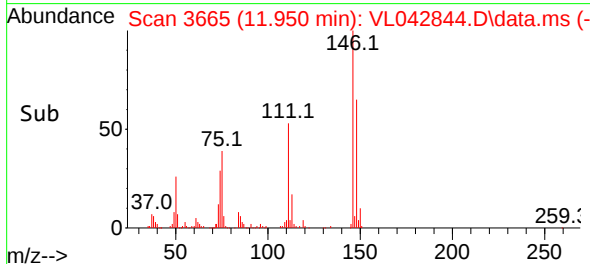
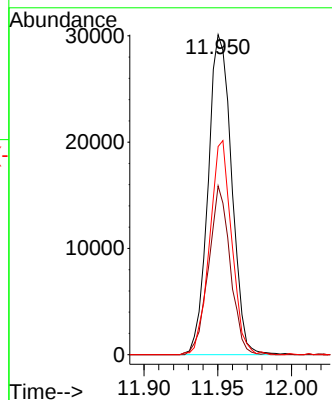
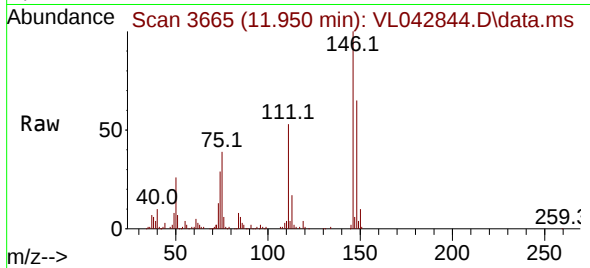
#77
1,2-Dichlorobenzene
Concen: 1.090 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:	146	Resp:	3340
Ion Ratio	Lower	Upper	
146	100		
111	48.4	24.6	74.0
148	62.7	32.0	96.0

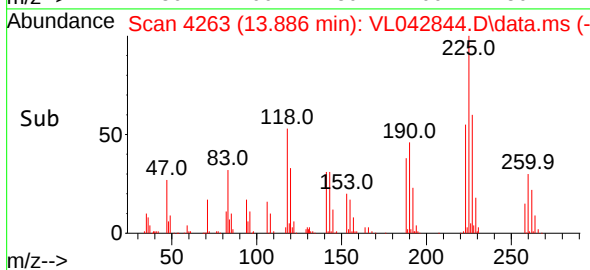
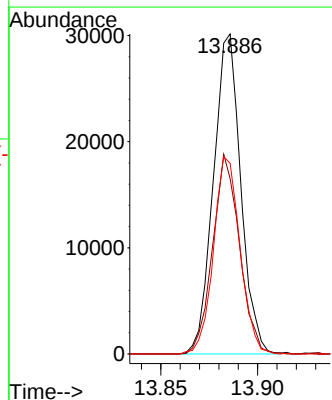
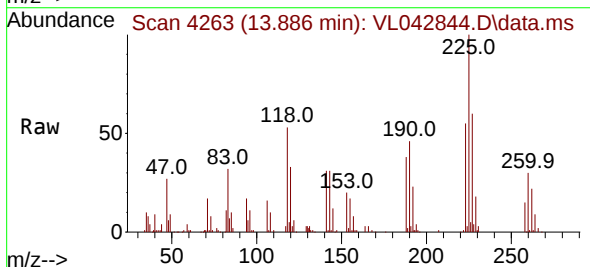
Manual Integrations
APPROVED

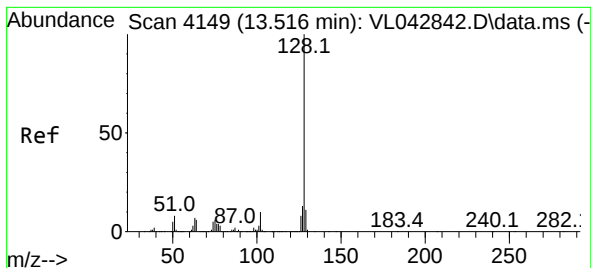
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#78
Hexachloro-1,3-Butadiene
Concen: 1.177 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:	225	Resp:	29555
Ion Ratio	Lower	Upper	
225	100		
223	61.2	51.4	77.2
227	60.0	51.9	77.9





#79

Naphthalene

Concen: 1.169 ppbv

RT: 13.517 min Scan# 4149

Delta R.T. 0.000 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_L

ClientSampleId :

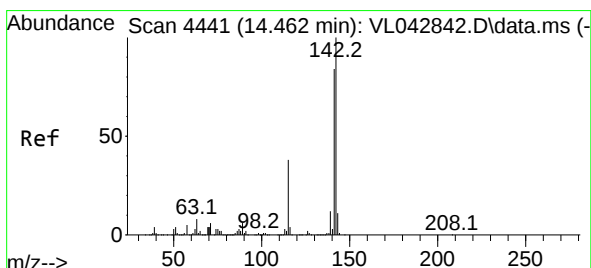
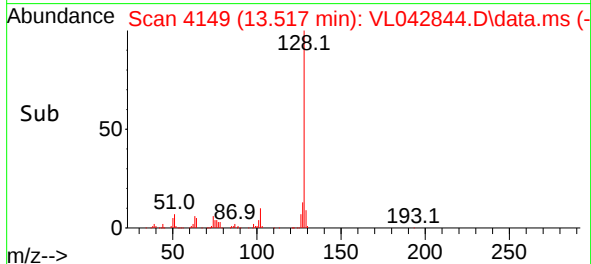
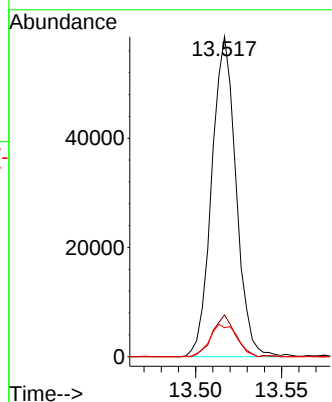
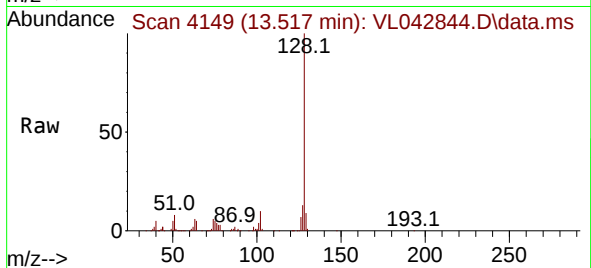
VSTDIC001

Tgt Ion:	128	Resp:	57580
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	9.1	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#80

Naphthalene, 2-methyl-

Concen: 1.045 ppbv

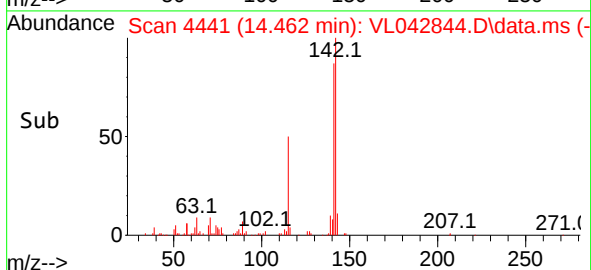
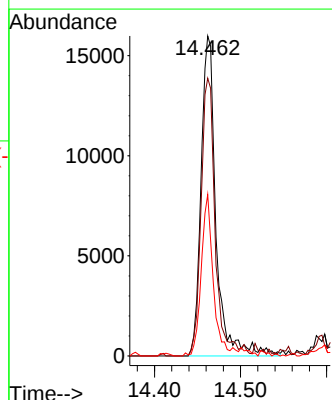
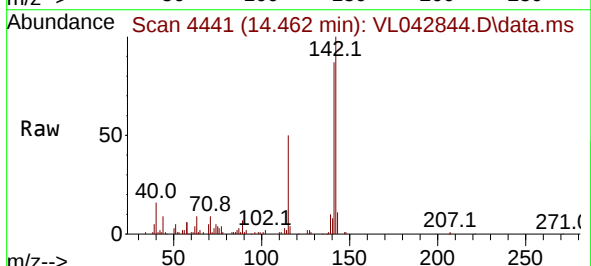
RT: 14.462 min Scan# 4441

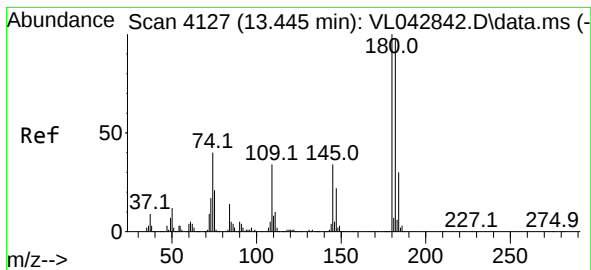
Delta R.T. 0.000 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

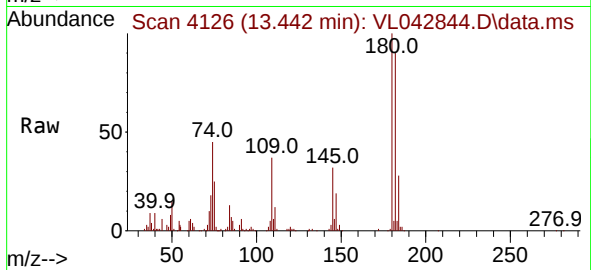
Tgt Ion:	142	Resp:	19375
Ion Ratio	Lower	Upper	
142	100		
141	81.6	67.0	100.6
115	43.2	30.9	46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 1.111 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001



Tgt Ion:180 Resp: 2786
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.9 115.3
 184 30.3 24.5 36.7

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

