

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
 Data File : VL042753.D
 Acq On : 23 Jul 2025 12:26
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

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

Quant Time: Jul 24 05:00:31 2025

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

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

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

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	150331	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	427438	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	385223	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 315293 10.335 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	277045	13.938	ppbv	98
3) Chlorodifluoromethane	1.473	51	353451	13.651	ppbv	98
4) Chloromethane	1.531	50	111684	13.889	ppbv	96
5) Vinyl Chloride	1.577	62	98596	12.410	ppbv	96
6) Bromomethane	1.667	94	44144	14.372	ppbv	92
7) Chloroethane	1.703	64	40909	13.327	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	229298	14.028	ppbv	99
9) Propene	1.483	41	129069	13.716	ppbv	99
10) Heptane	4.972	43	368612	14.563	ppbv	99
11) Trichlorofluoromethane	1.874	101	289764	14.143	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.136	101	223552	14.358	ppbv	99
13) Ethanol	1.719	45	11145	15.142	ppbv	86
14) Bromoethene	1.780	108	77435	14.047	ppbv	98
15) Acetone	1.832	43	237665	11.449	ppbv	98
16) 1,3-Butadiene	1.606	39	118252	13.355	ppbv	99
17) tert-Butyl alcohol	2.036	59	260587	13.919	ppbv	98
18) 1,1-Dichloroethene	2.030	96	94140	13.382	ppbv	93
19) Isopropyl Alcohol	1.881	45	149463	13.549	ppbv	99
20) Methylene Chloride	2.059	84	82755	12.651	ppbv	97
21) Allyl Chloride	2.094	41	185201	14.476	ppbv	100
22) trans-1,2-Dichloroethene	2.337	96	107003	14.160	ppbv	92
23) Vinyl Acetate	2.457	43	413378	16.426	ppbv	99
24) 1,1-Dichloroethane	2.405	63	221175	14.239	ppbv	100
25) Ethyl Acetate	2.829	43	647150	14.084	ppbv	99
26) Hexane	2.819	57	279549	13.869	ppbv	99
27) Carbon Disulfide	2.146	76	260884	15.119	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	156895	16.477	ppbv	97
29) Chloroform	2.842	83	438155	14.067	ppbv	100
30) Cyclohexane	3.849	84	244116	14.280	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	293947	14.192	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	447592	13.796	ppbv	100
34) 2-Butanone	2.551	43	432873	14.297	ppbv	100
35) Carbon Tetrachloride	3.755	117	468957	14.764	ppbv	98
36) Benzene	3.651	78	577153	14.247	ppbv	99
37) 1,2-Dichloroethane	3.211	62	354637	14.533	ppbv	100
38) Trichloroethene	4.541	130	262041	13.416	ppbv	97
39) 1,2-Dichloropropane	4.305	63	211594	14.150	ppbv	99
40) 1,4-Dioxane	4.567	88	98196	13.926	ppbv #	99
41) Tetrahydrofuran	3.046	42	232393	15.278	ppbv	99
42) Bromodichloromethane	4.480	83	486831	15.303	ppbv	99
43) Methyl Methacrylate	4.868	69	231227	16.059	ppbv	98
44) 2,2,4-Trimethylpentane	4.629	57	963867	14.598	ppbv	98
45) t-1,3-Dichloropropene	6.406	75	266194	16.478	ppbv	98

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

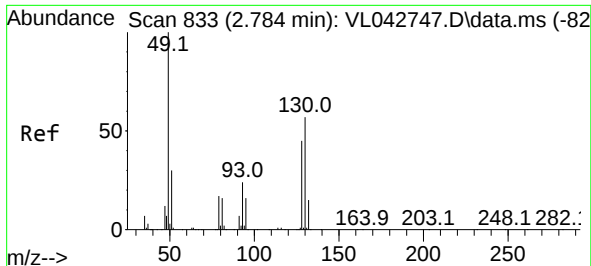
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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	5.587	75	329850	16.115	ppbv	99
47) 1,1,2-Trichloroethane	6.567	97	228492	14.335	ppbv	96
48) Dibromochloromethane	7.380	129	397179	15.695	ppbv	99
49) Bromoform	9.477	173	352050	15.955	ppbv	97
50) 4-Methyl-2-Pentanone	5.732	43	594973	15.427	ppbv	100
51) 2-Hexanone	7.428	43	485325	16.467	ppbv #	100
52) Tetrachloroethene	8.221	164	217184	12.899	ppbv	95
53) Toluene	6.923	91	670142	15.405	ppbv	99
54) 1,2-Dibromoethane	7.645	107	338867	15.019	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.920	131	293384	14.648	ppbv	99
57) Chlorobenzene	8.917	112	522894	14.025	ppbv	98
58) Ethyl Benzene	9.351	91	940159	15.454	ppbv	99
59) m/p-Xylene	9.545	91	1497932m	30.800	ppbv	
60) o-Xylene	9.959	91	730161	15.030	ppbv	100
61) Styrene	9.866	104	343429	16.805	ppbv	100
62) Isopropylbenzene	10.536	105	1078393	15.049	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	419734	13.261	ppbv	98
64) n-propylbenzene	10.985	120	286724	15.348	ppbv	97
65) tert-Butylbenzene	11.529	119	954459	14.995	ppbv	98
66) Benzyl Chloride	11.610	91	94218	18.031	ppbv	98
67) sec-Butylbenzene	11.762	105	1327393	14.662	ppbv	99
69) p-Isopropyltoluene	11.921	119	1149418	15.571	ppbv	99
70) n-Butylbenzene	12.277	91	1152207	16.159	ppbv	100
71) 2-Chlorotoluene	10.898	91	838335	15.257	ppbv	99
72) 4-Ethyltoluene	11.121	105	918453	15.830	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	763212	15.977	ppbv	100
74) 1,2,4-Trimethylbenzene	11.532	105	827222	15.873	ppbv	97
75) 1,3-Dichlorobenzene	11.604	146	539284	14.761	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	542998	15.188	ppbv	100
77) 1,2-Dichlorobenzene	11.943	146	516714	14.390	ppbv	98
78) Hexachloro-1,3-Butadiene	13.876	225	432138	13.296	ppbv	99
79) Naphthalene	13.507	128	876734	15.265	ppbv	99
80) Naphthalene,2-methyl-	14.452	142	456529	15.438	ppbv	98
81) 1,2,4-Trichlorobenzene	13.436	180	490575	15.200	ppbv	99

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



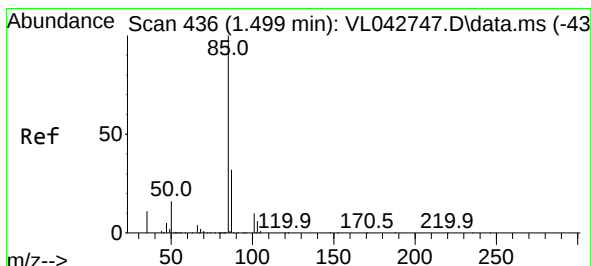
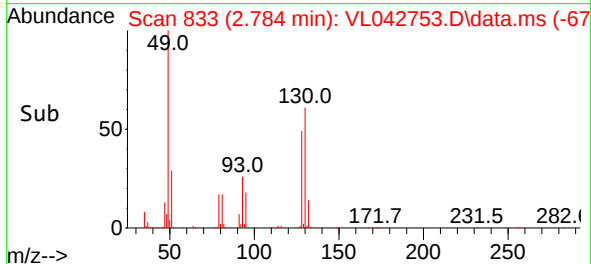
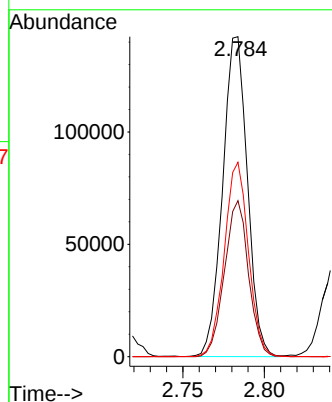
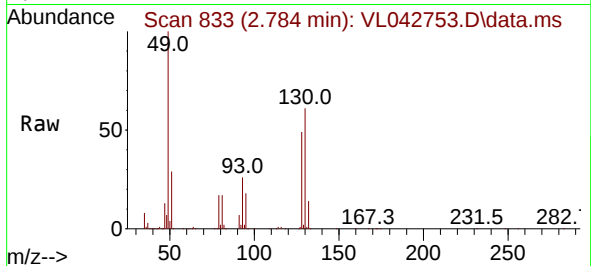
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 49 Resp: 15033
Ion Ratio Lower Upper
49 100
128 47.4 23.6 71.0
130 59.2 30.3 90.8

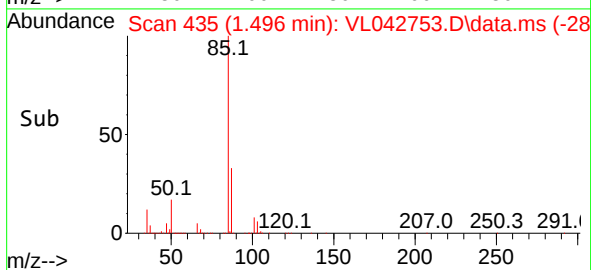
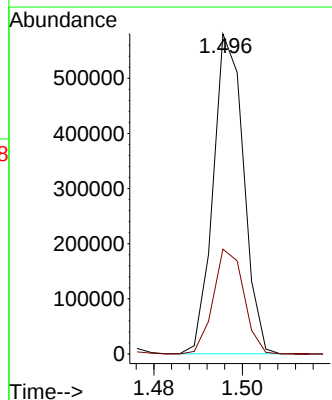
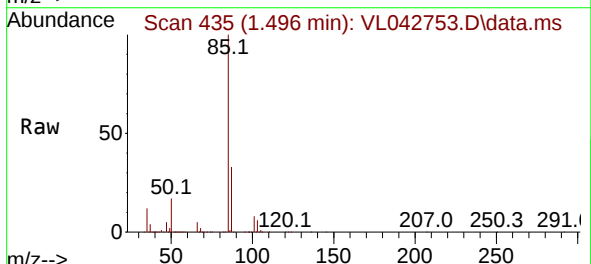
Manual Integrations
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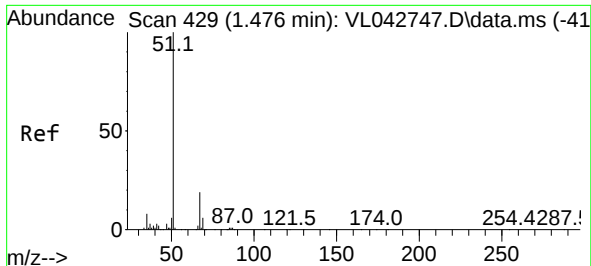
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#2
Dichlorodifluoromethane
Concen: 13.938 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 85 Resp: 277045
Ion Ratio Lower Upper
85 100
87 32.7 25.4 38.2





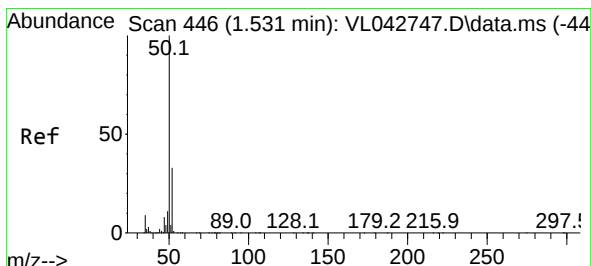
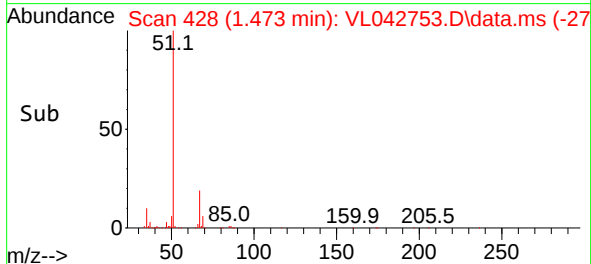
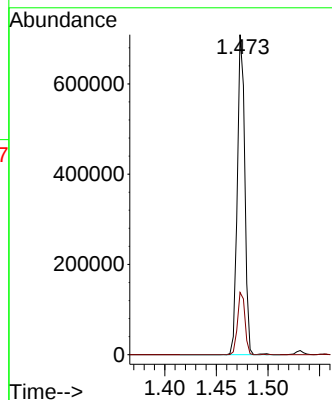
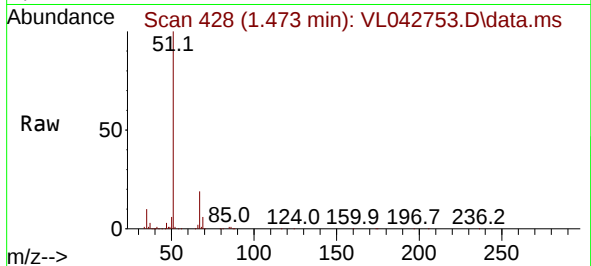
#3
Chlorodifluoromethane
Concen: 13.651 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 51 Resp: 35345
Ion Ratio Lower Upper
51 100
67 19.6 15.0 22.6

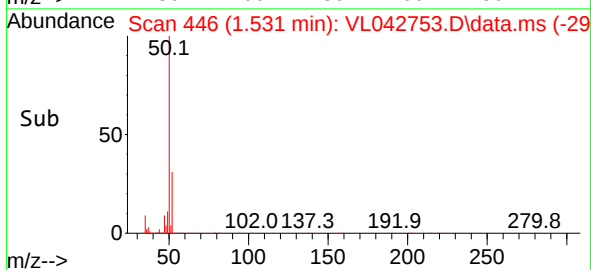
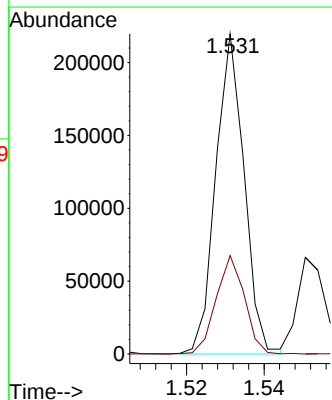
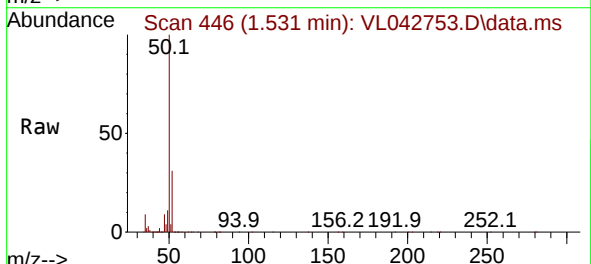
Manual Integrations
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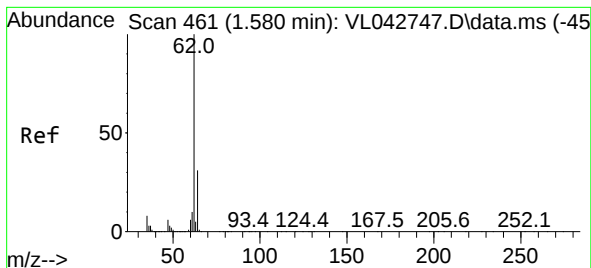
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#4
Chloromethane
Concen: 13.889 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 50 Resp: 111684
Ion Ratio Lower Upper
50 100
52 30.8 26.6 40.0





#5

Vinyl Chloride

Concen: 12.410 ppbv

RT: 1.577 min Scan# 4

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 62 Resp: 98590

Ion Ratio Lower Upper

62 100

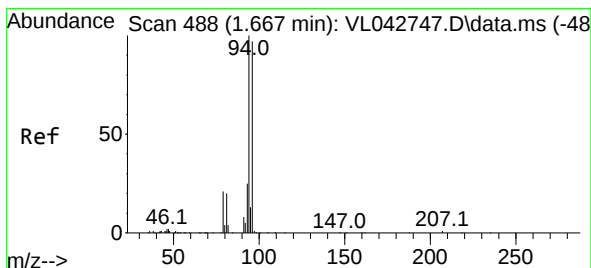
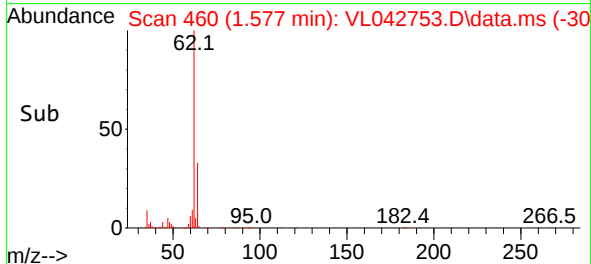
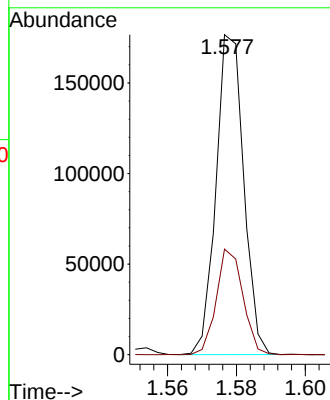
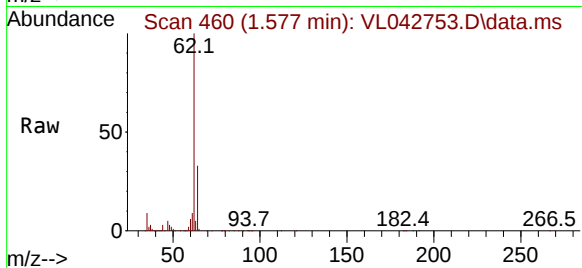
64 33.0 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#6

Bromomethane

Concen: 14.372 ppbv

RT: 1.667 min Scan# 488

Delta R.T. -0.000 min

Lab File: VL042753.D

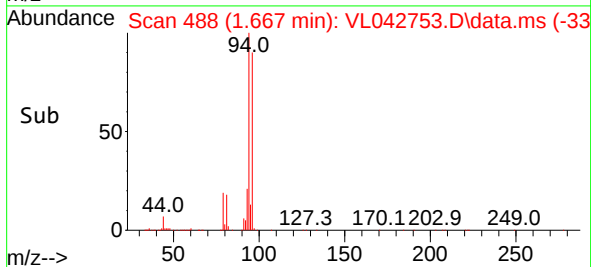
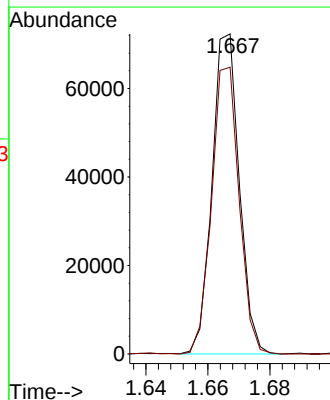
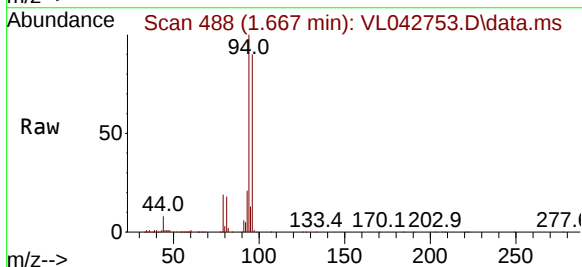
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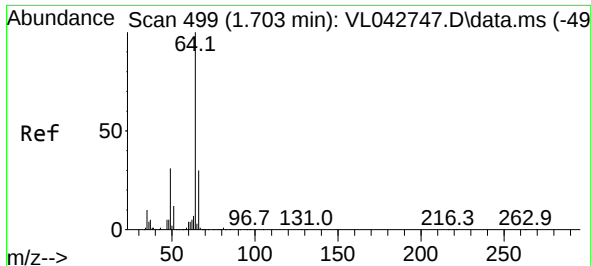
Tgt Ion: 94 Resp: 44144

Ion Ratio Lower Upper

94 100

96 89.6 77.6 116.4





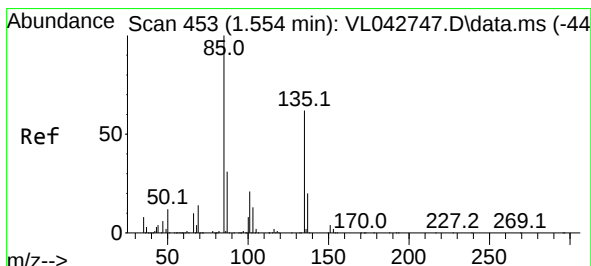
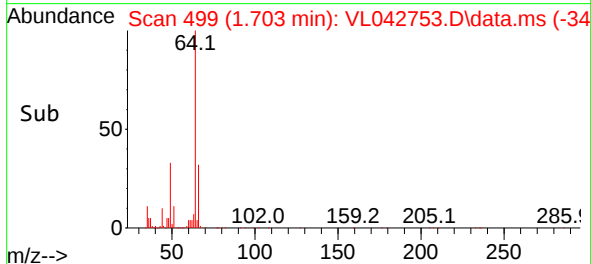
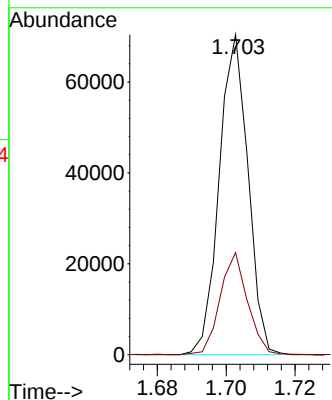
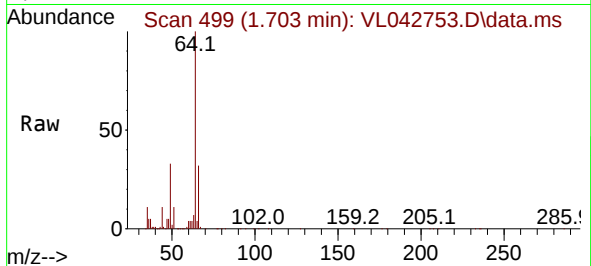
#7
Chloroethane
Concen: 13.327 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 64 Resp: 40909
Ion Ratio Lower Upper
64 100
66 31.9 24.1 36.1

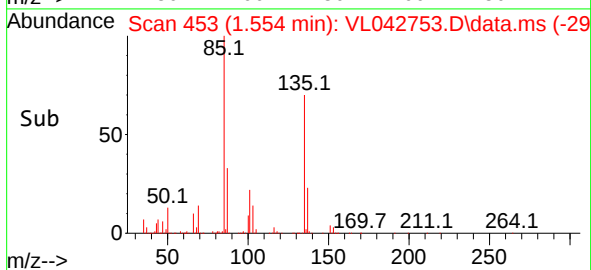
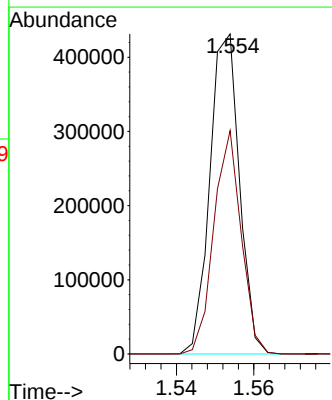
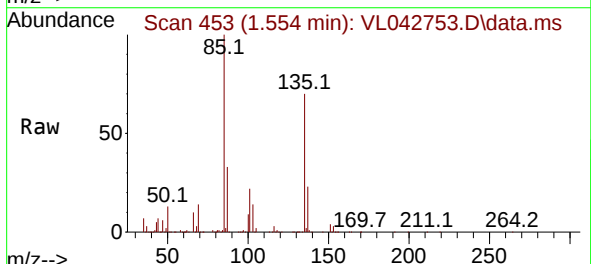
Manual Integrations
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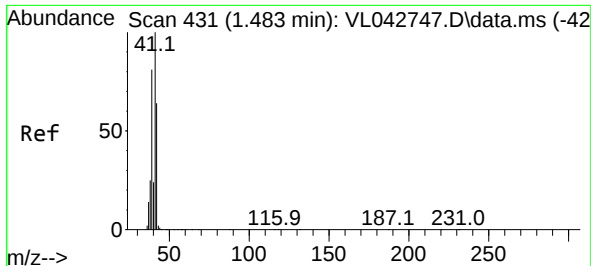
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#8
Dichlorotetrafluoroethane
Concen: 14.028 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

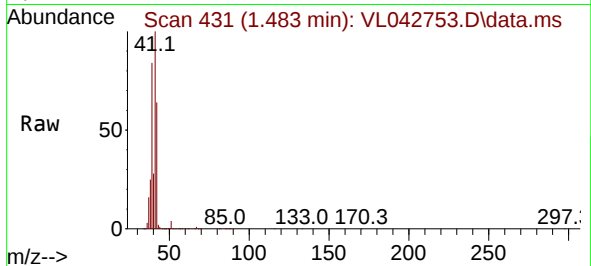
Tgt Ion: 85 Resp: 229298
Ion Ratio Lower Upper
85 100
135 64.4 50.6 76.0





#9
Propene
Concen: 13.716 ppbv
RT: 1.483 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

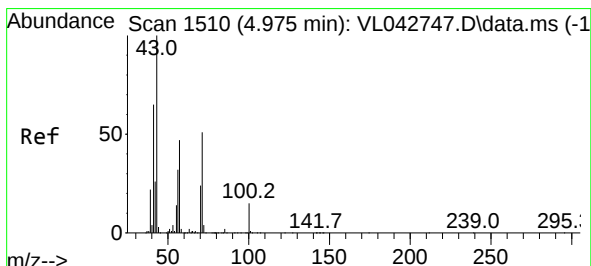
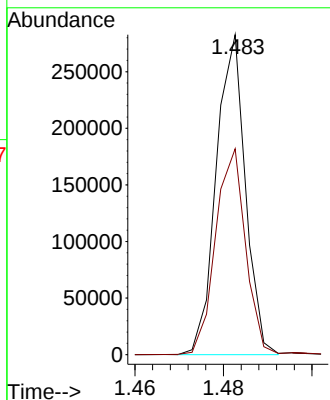
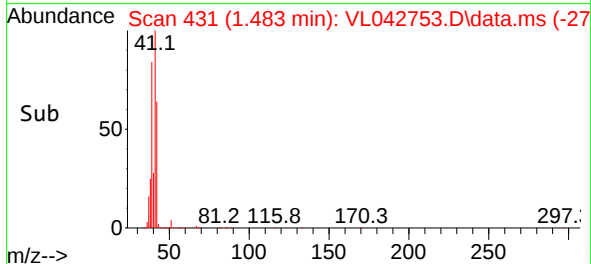
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



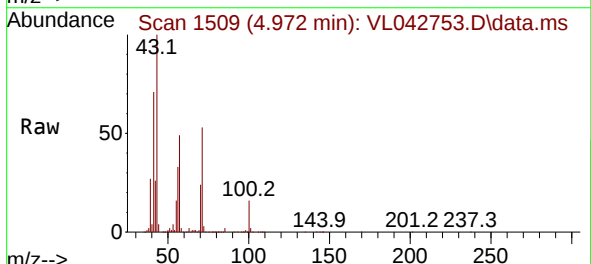
Tgt Ion: 41 Resp: 129069
Ion Ratio Lower Upper
41 100
42 67.0 53.2 79.8

Manual Integrations
APPROVED

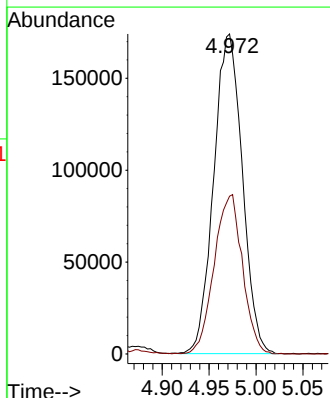
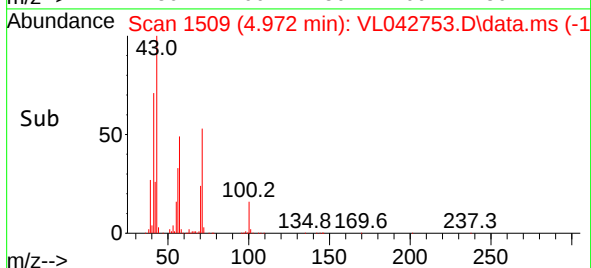
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

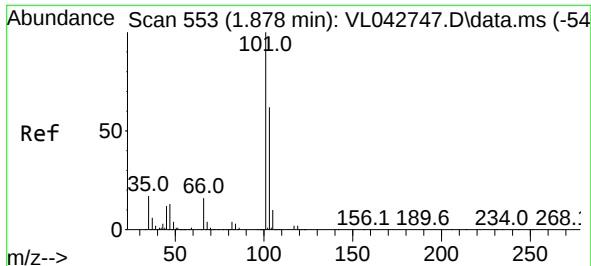


#10
Heptane
Concen: 14.563 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26



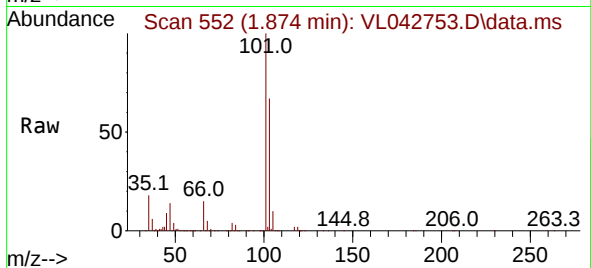
Tgt Ion: 43 Resp: 368612
Ion Ratio Lower Upper
43 100
57 49.4 39.9 59.9





#11
Trichlorofluoromethane
Concen: 14.143 ppbv
RT: 1.874 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

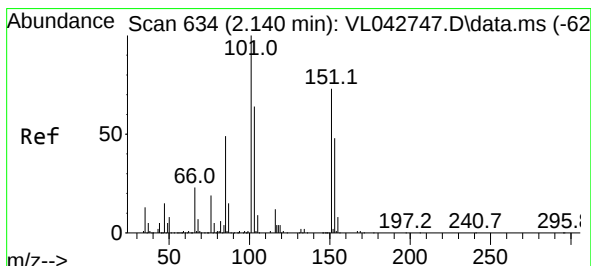
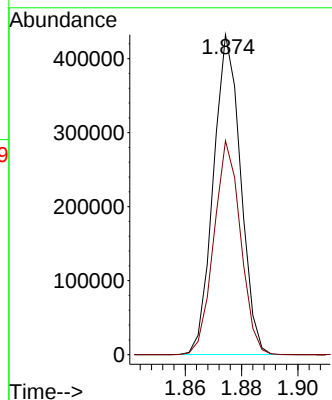
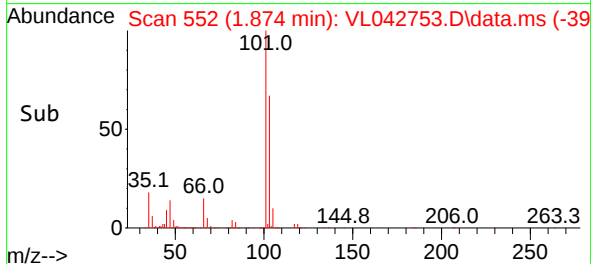
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



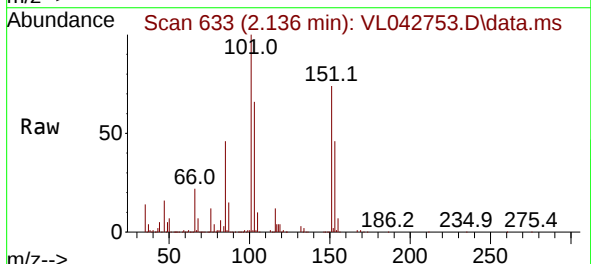
Tgt Ion:101 Resp: 289764
Ion Ratio Lower Upper
101 100
103 66.8 49.6 74.4

Manual Integrations
APPROVED

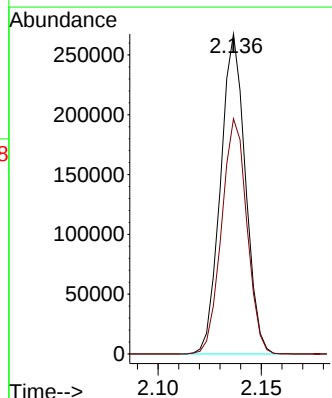
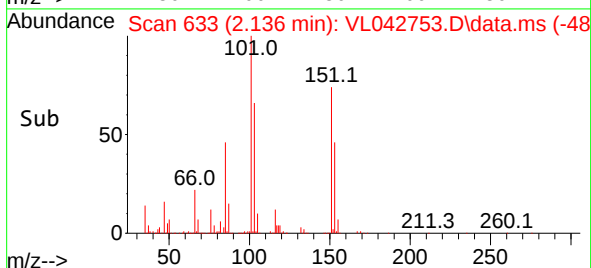
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

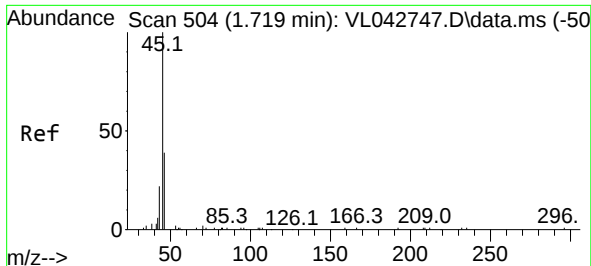


#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.358 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26



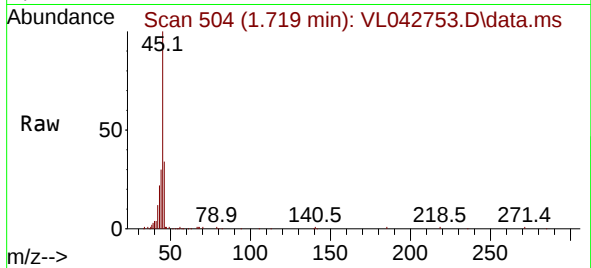
Tgt Ion:101 Resp: 223552
Ion Ratio Lower Upper
101 100
151 74.9 60.5 90.7





#13
Ethanol
Concen: 15.142 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

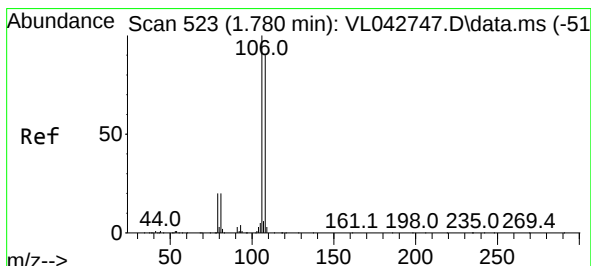
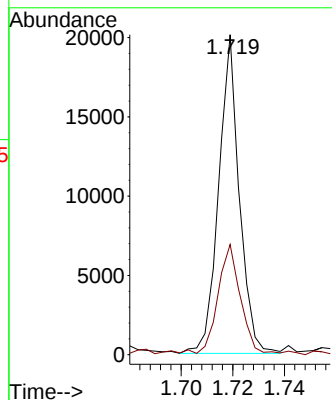
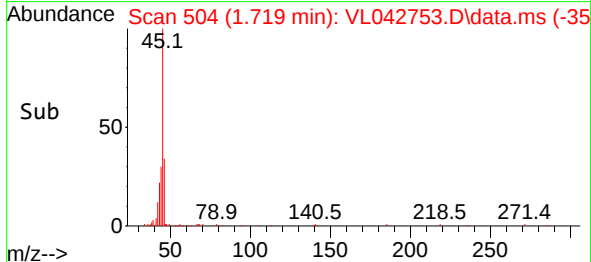
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



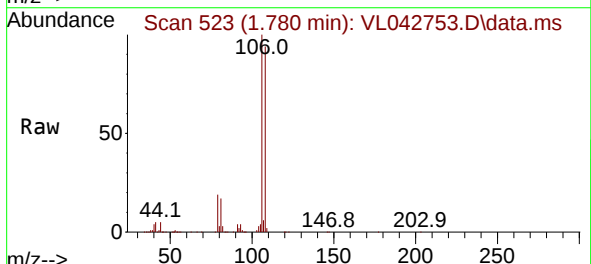
Tgt Ion: 45 Resp: 11145
Ion Ratio Lower Upper
45 100
46 35.4 17.8 71.4

Manual Integrations
APPROVED

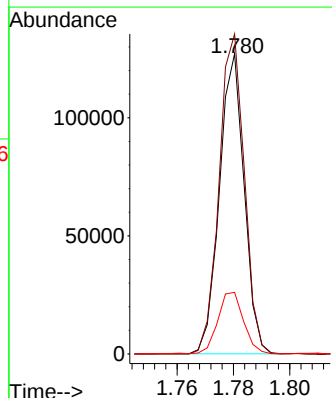
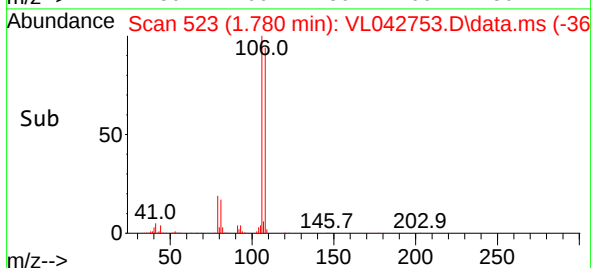
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

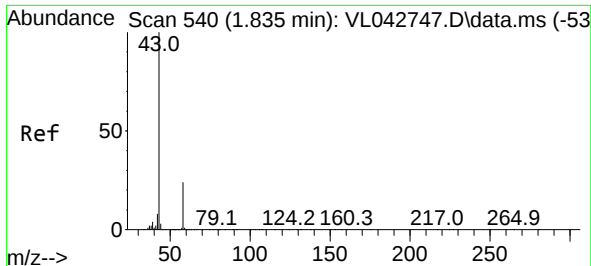


#14
Bromoethene
Concen: 14.047 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26



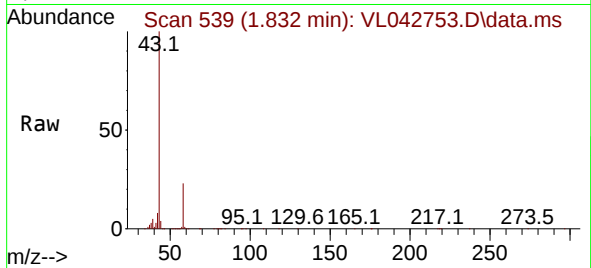
Tgt Ion:108 Resp: 77435
Ion Ratio Lower Upper
108 100
106 108.5 84.7 127.1
79 22.3 17.4 26.2





#15
Acetone
Concen: 11.449 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

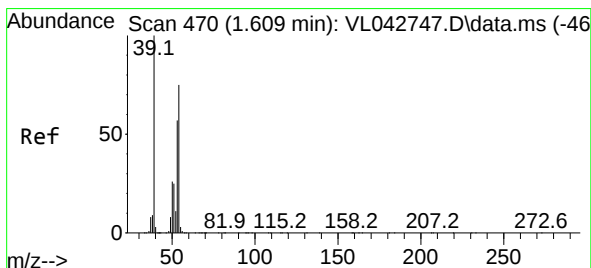
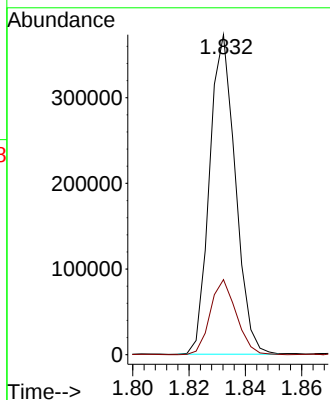
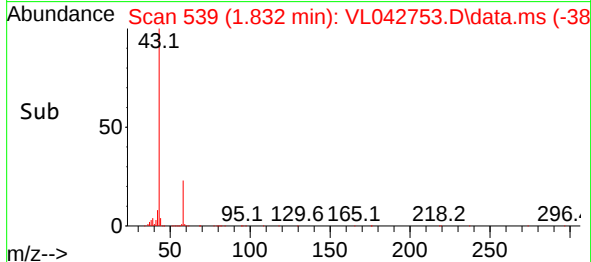
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 43 Resp: 23766
Ion Ratio Lower Upper
43 100
58 24.0 19.8 29.8

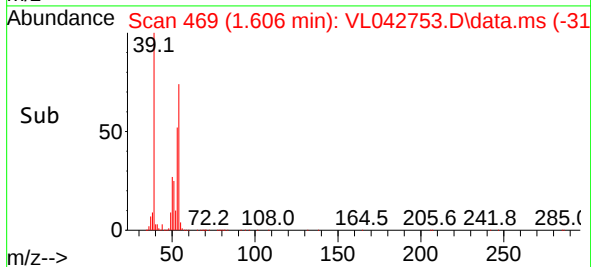
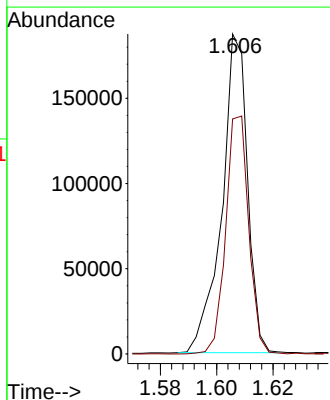
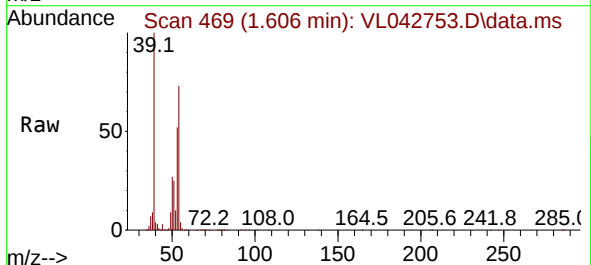
Manual Integrations
APPROVED

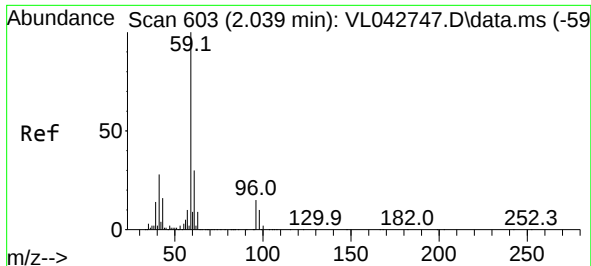
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#16
1,3-Butadiene
Concen: 13.355 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 39 Resp: 118252
Ion Ratio Lower Upper
39 100
54 67.5 54.5 81.7





#17

tert-Butyl alcohol

Concen: 13.919 ppbv

RT: 2.036 min Scan# 603

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 59 Resp: 26058

Ion Ratio Lower Upper

59 100

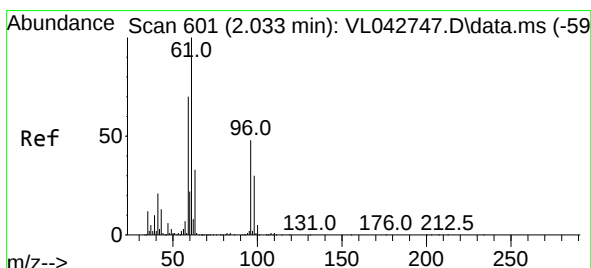
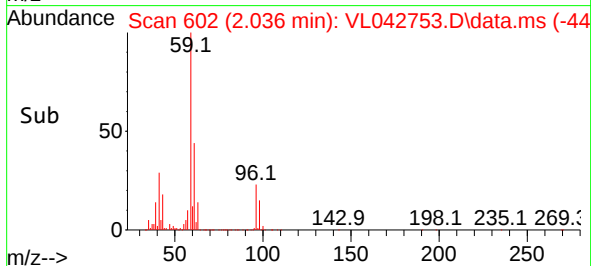
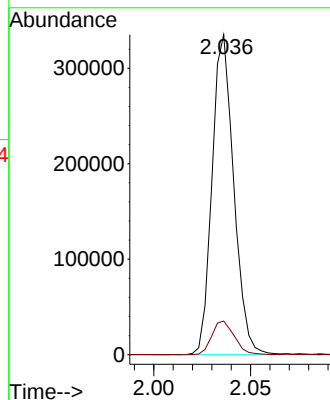
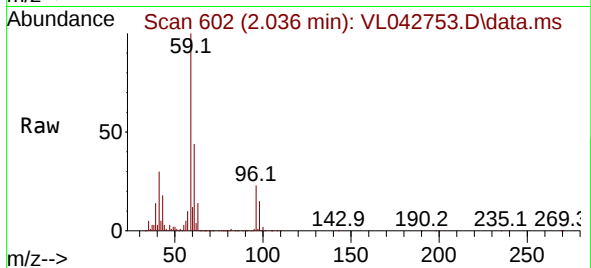
57 11.1 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#18

1,1-Dichloroethene

Concen: 13.382 ppbv

RT: 2.030 min Scan# 600

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

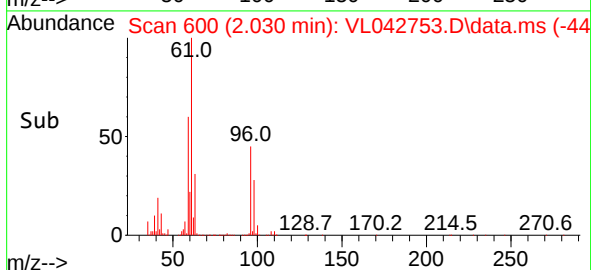
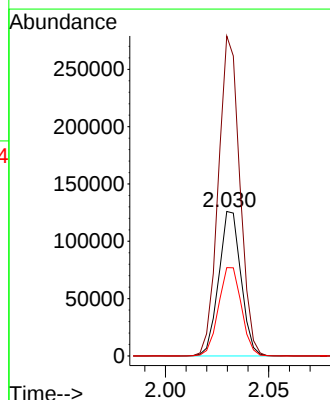
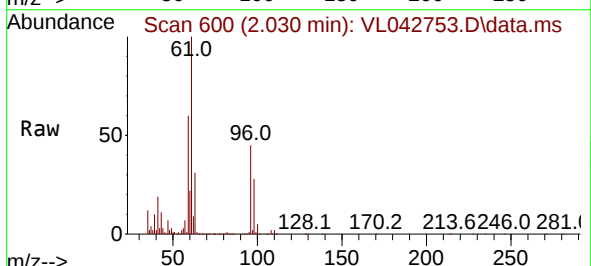
Tgt Ion: 96 Resp: 94140

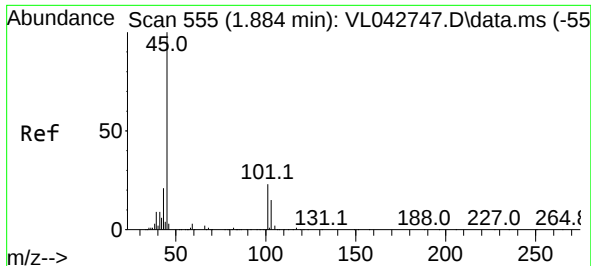
Ion Ratio Lower Upper

96 100

61 221.6 165.8 248.6

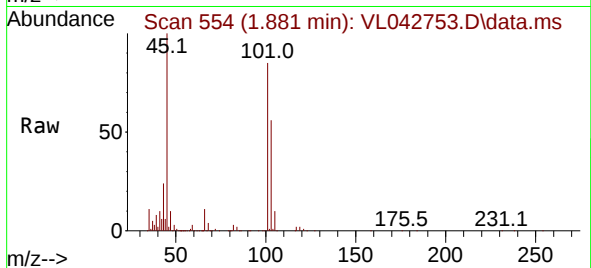
98 61.2 49.9 74.9





#19
Isopropyl Alcohol
Concen: 13.549 ppbv
RT: 1.881 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

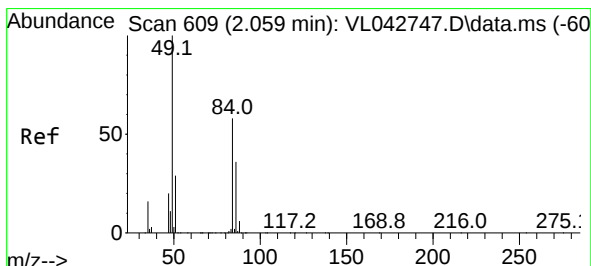
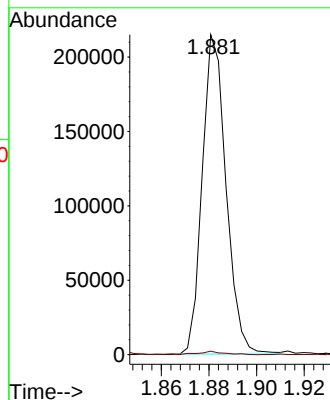
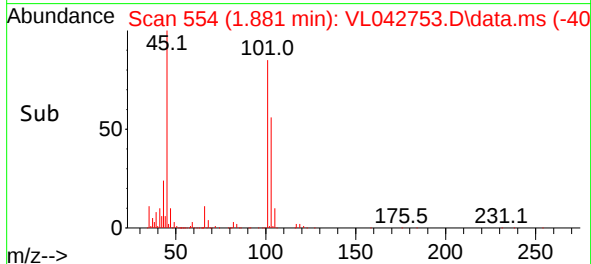
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



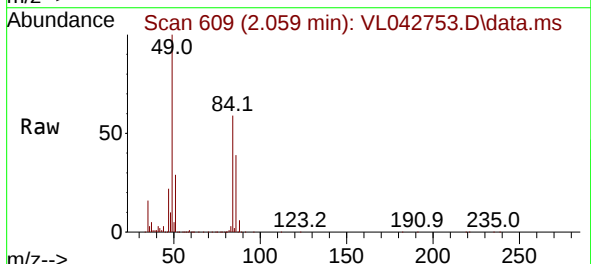
Tgt Ion: 45 Resp: 14946
Ion Ratio Lower Upper
45 100
58 38.1 30.0 45.0

Manual Integrations
APPROVED

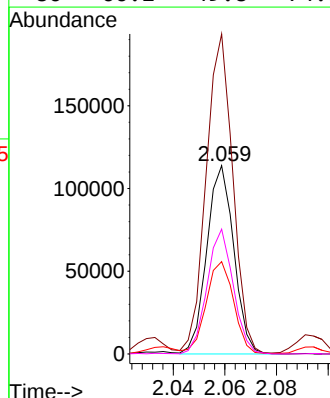
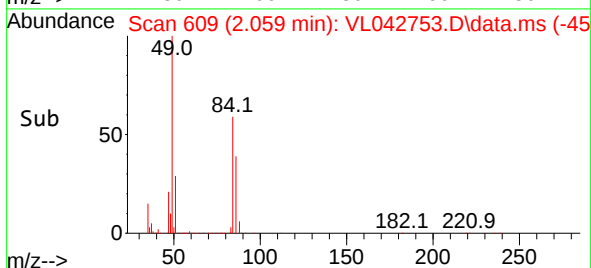
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

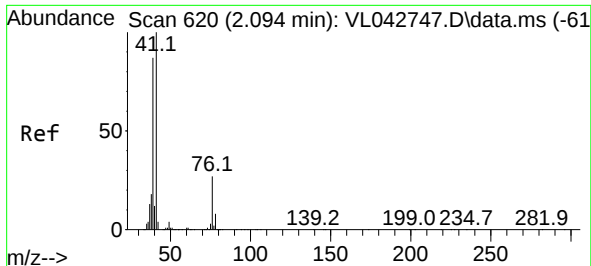


#20
Methylene Chloride
Concen: 12.651 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26



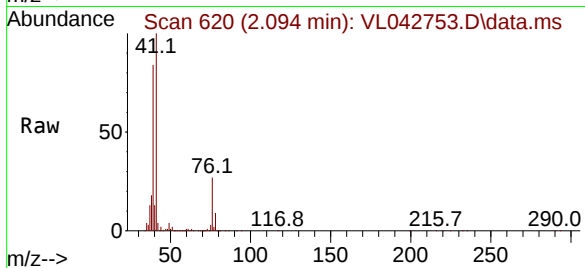
Tgt Ion: 84 Resp: 82755
Ion Ratio Lower Upper
84 100
49 169.2 138.6 208.0
51 48.6 40.6 61.0
86 66.2 49.8 74.8





#21
 Allyl Chloride
 Concen: 14.476 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

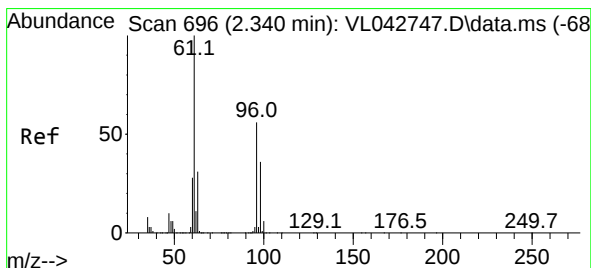
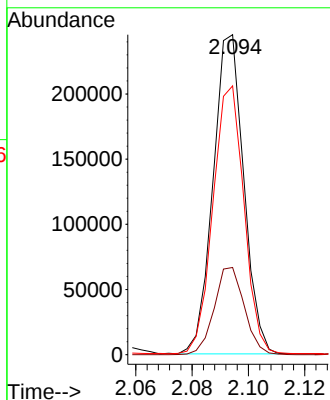
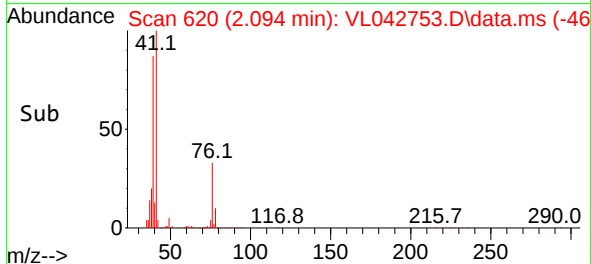
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



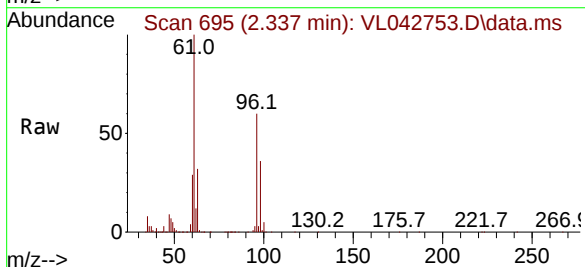
Tgt Ion: 41 Resp: 18520
 Ion Ratio Lower Upper
 41 100
 76 26.9 21.1 31.7
 39 85.2 68.3 102.5

Manual Integrations
 APPROVED

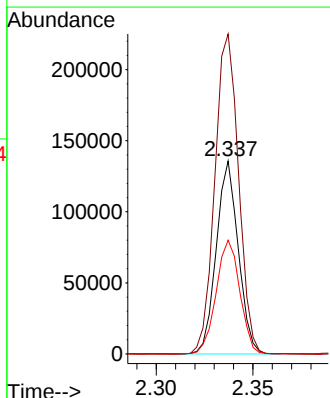
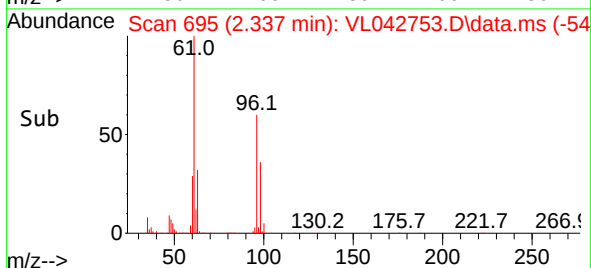
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

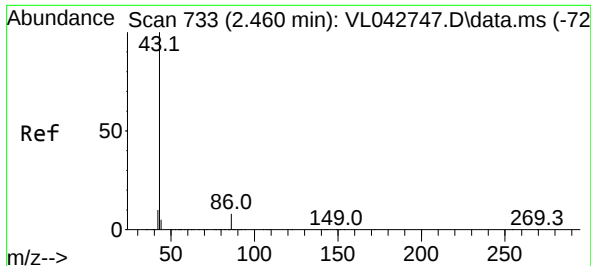


#22
 trans-1,2-Dichloroethene
 Concen: 14.160 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26



Tgt Ion: 96 Resp: 107003
 Ion Ratio Lower Upper
 96 100
 61 165.9 142.3 213.5
 98 59.0 50.6 76.0





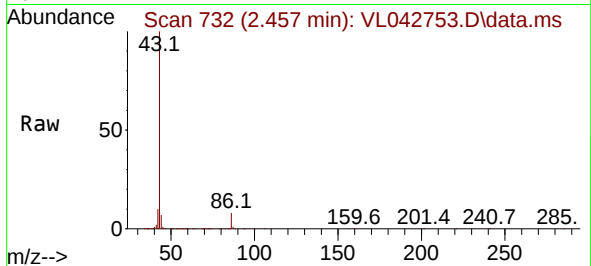
#23
 Vinyl Acetate
 Concen: 16.426 ppbv
 RT: 2.457 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

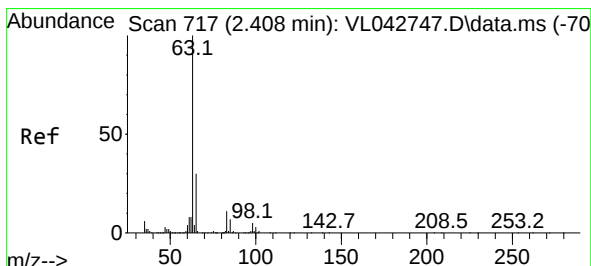
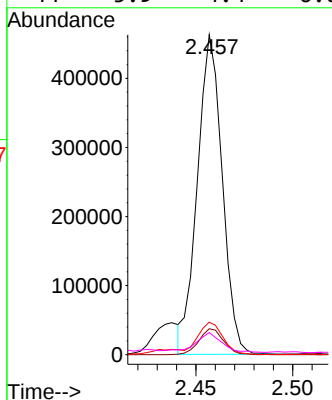
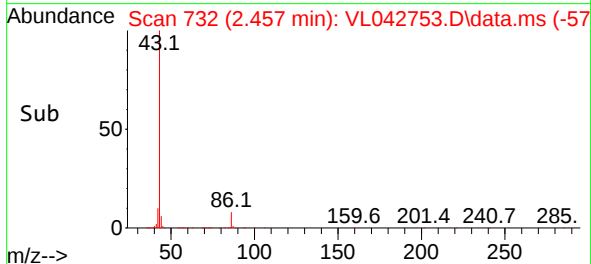


Tgt Ion: 43 Resp: 413378
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.1 9.1
 42 10.1 7.8 11.8
 44 5.9 4.4 6.6

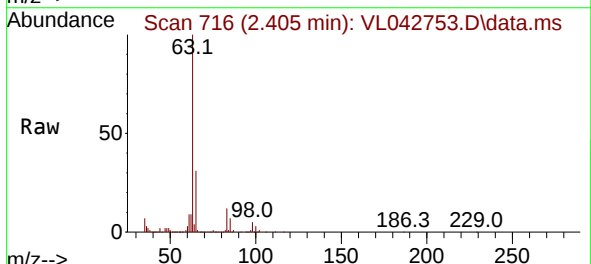
Manual Integrations

APPROVED

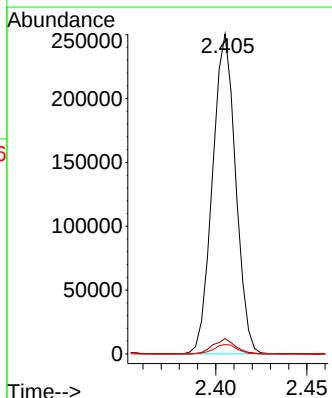
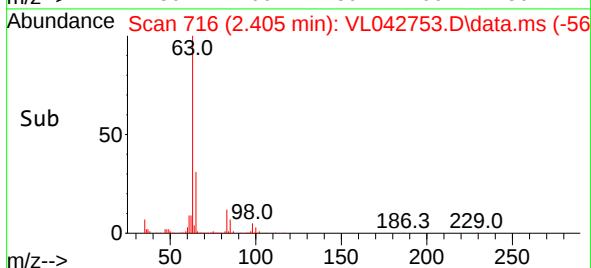
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

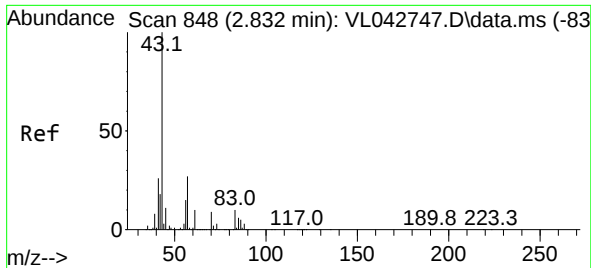


#24
 1,1-Dichloroethane
 Concen: 14.239 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26



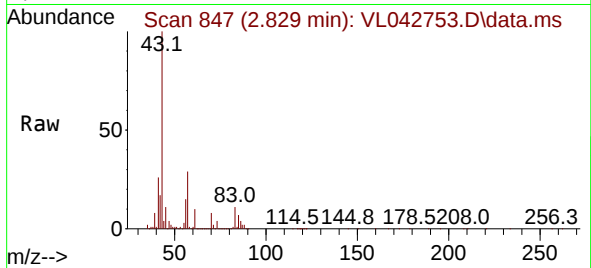
Tgt Ion: 63 Resp: 221175
 Ion Ratio Lower Upper
 63 100
 98 4.8 2.5 7.4
 100 2.9 1.6 4.8





#25
Ethyl Acetate
Concen: 14.084 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

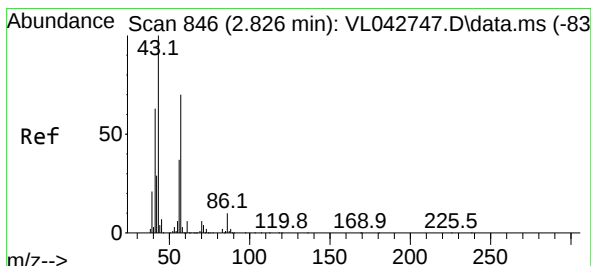
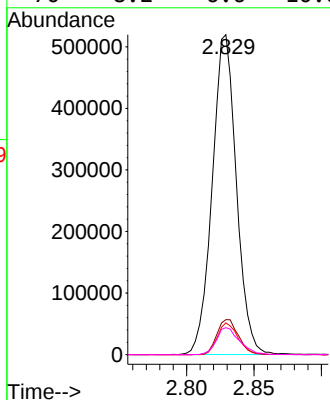
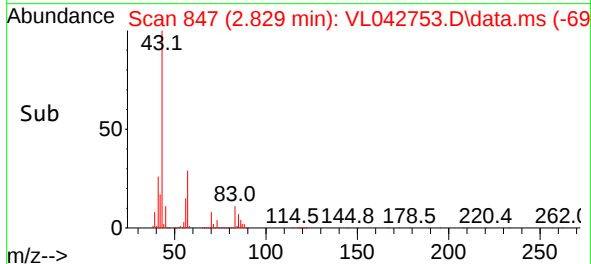
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 43 Resp: 647150
Ion Ratio Lower Upper
43 100
45 10.0 7.8 11.6
61 8.6 6.7 10.1
70 8.2 6.6 10.0

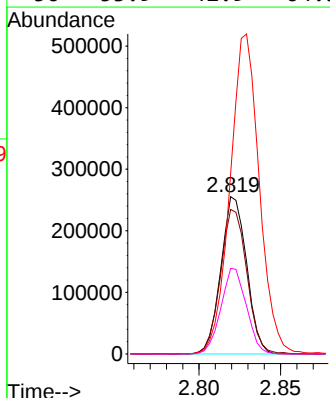
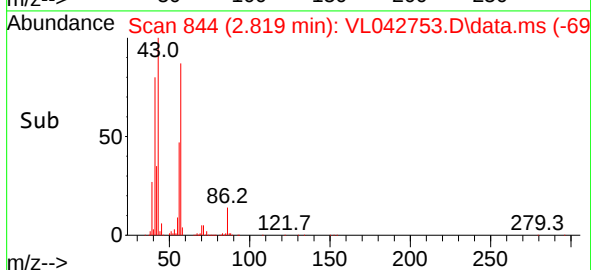
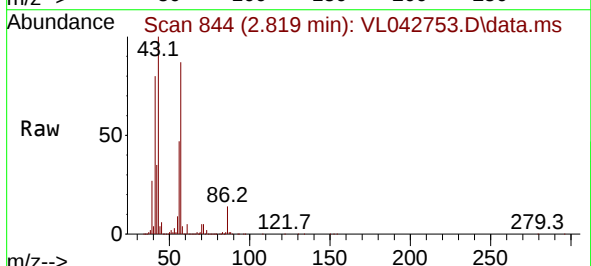
Manual Integrations
APPROVED

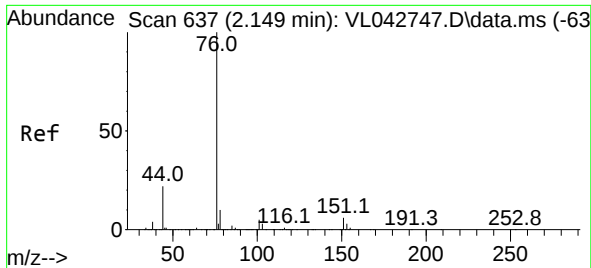
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#26
Hexane
Concen: 13.869 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 57 Resp: 279549
Ion Ratio Lower Upper
57 100
41 94.6 75.4 113.2
43 232.7 185.0 277.6
56 53.9 42.9 64.3





#27
Carbon Disulfide
Concen: 15.119 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

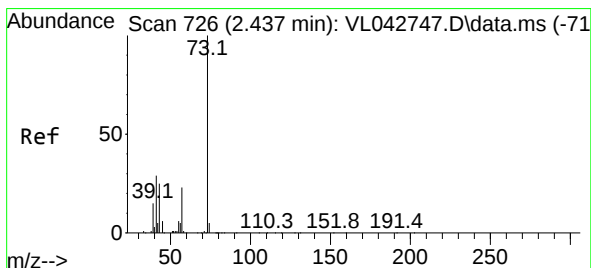
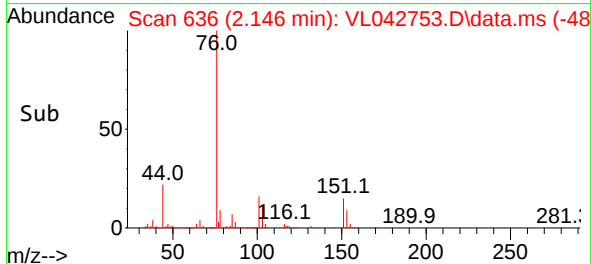
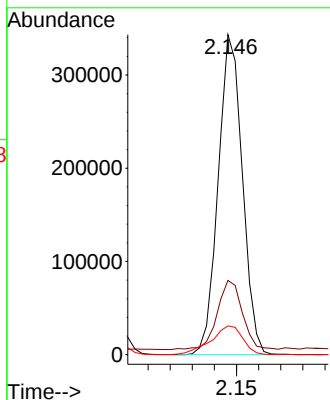
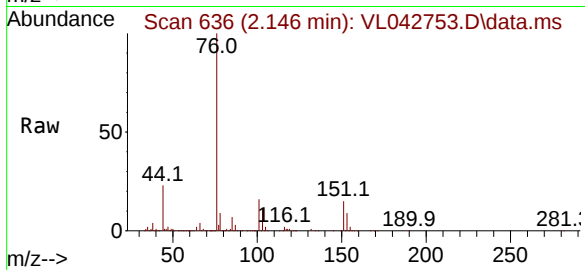
VSTDICC015

Tgt Ion: 76 Resp: 260884
Ion Ratio Lower Upper
76 100
44 23.1 19.3 28.9
78 11.9 9.9 14.9

Manual Integrations

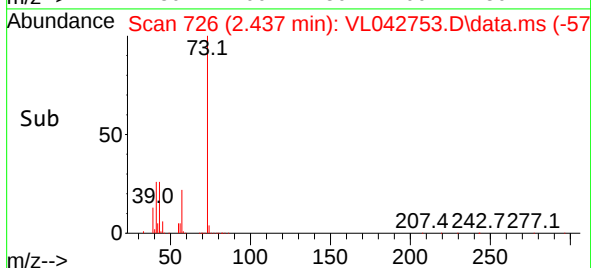
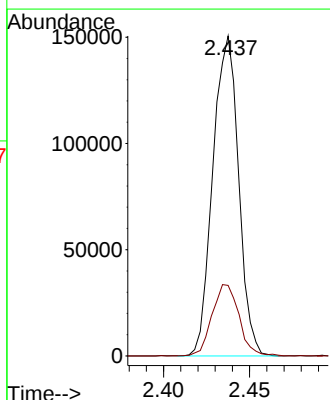
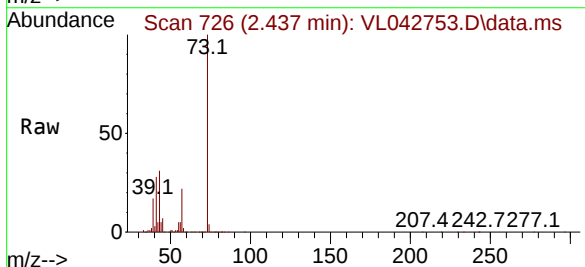
APPROVED

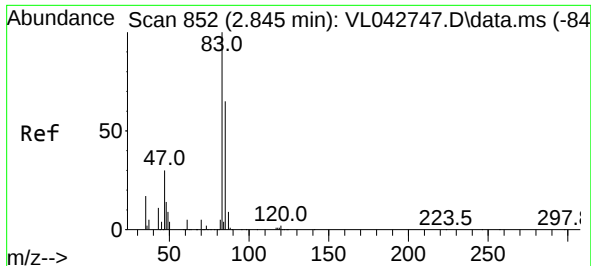
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#28
Methyl tert-Butyl Ether
Concen: 16.477 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 73 Resp: 156895
Ion Ratio Lower Upper
73 100
57 23.5 19.8 29.8





#29

Chloroform

Concen: 14.067 ppbv

RT: 2.842 min Scan# 851

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 83 Resp: 43815

Ion Ratio Lower Upper

83 100

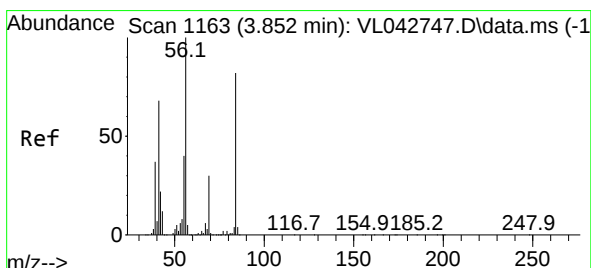
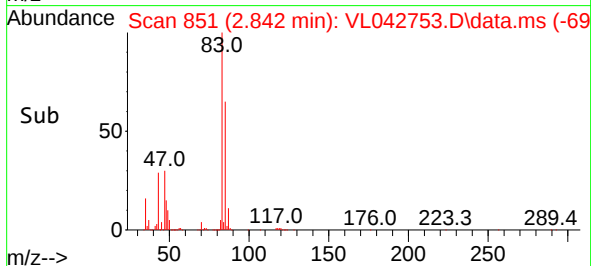
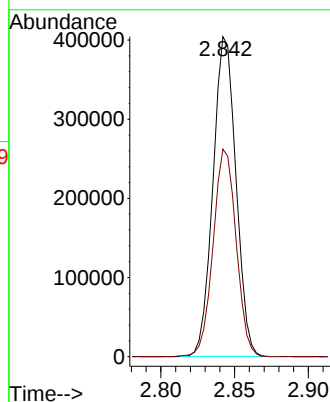
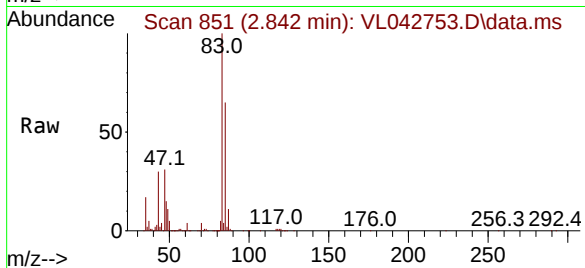
85 64.9 52.2 78.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#30

Cyclohexane

Concen: 14.280 ppbv

RT: 3.849 min Scan# 1162

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

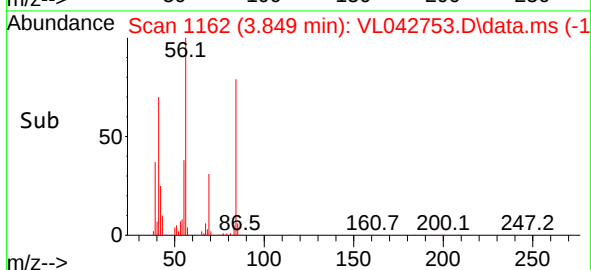
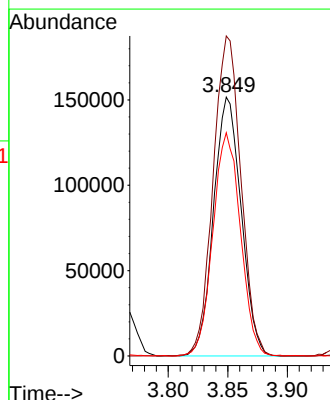
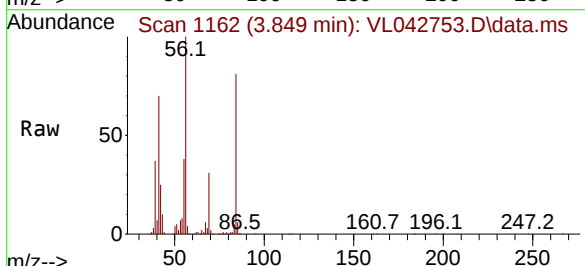
Tgt Ion: 84 Resp: 244116

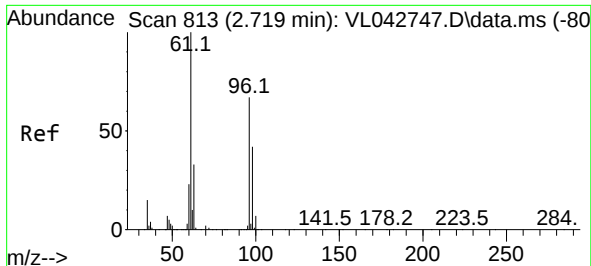
Ion Ratio Lower Upper

84 100

56 124.4 97.5 146.3

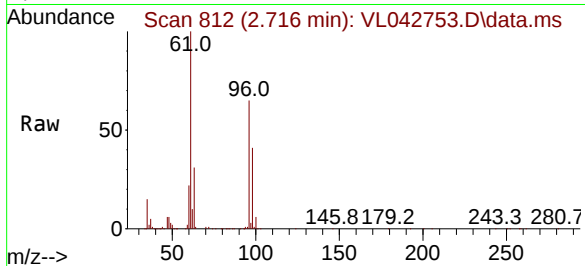
41 85.9 67.2 100.8





#31
 cis-1,2-Dichloroethene
 Concen: 14.192 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

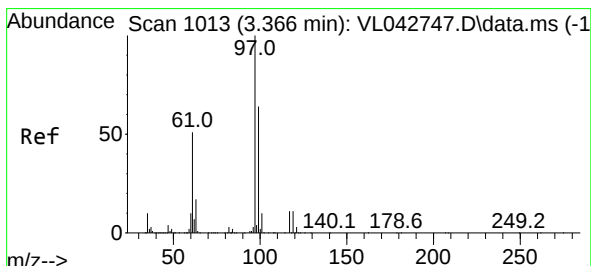
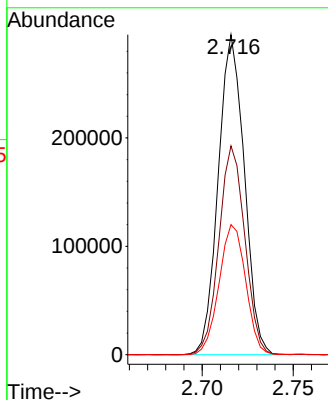
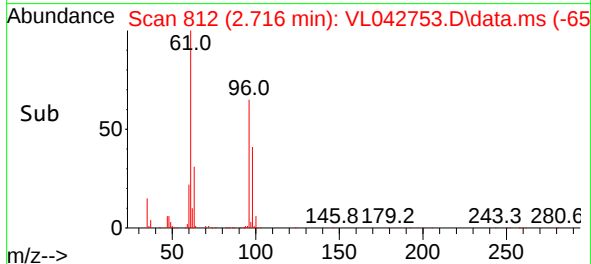
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



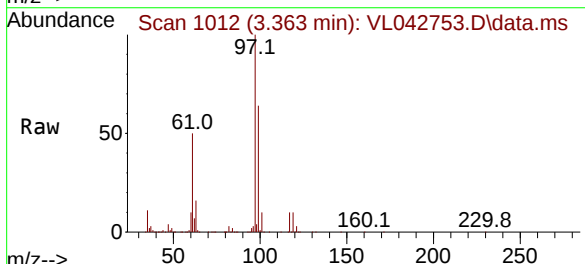
Tgt Ion: 61 Resp: 29394
 Ion Ratio Lower Upper
 61 100
 96 65.3 53.5 80.3
 98 40.7 33.6 50.4

Manual Integrations
 APPROVED

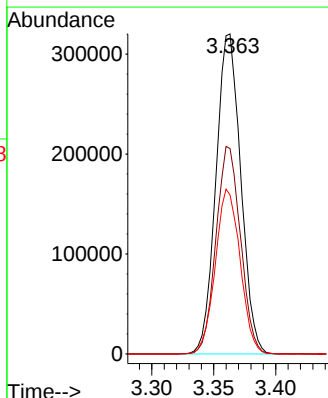
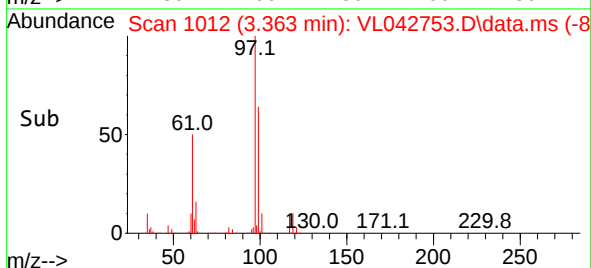
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

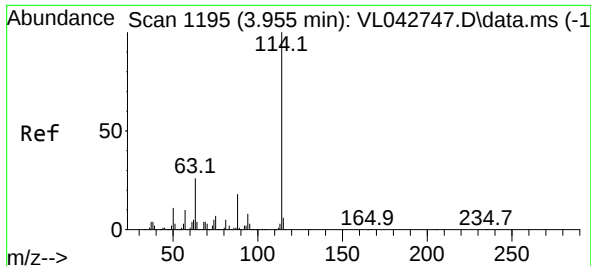


#32
 1,1,1-Trichloroethane
 Concen: 13.796 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26



Tgt Ion: 97 Resp: 447592
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.0 76.6
 61 51.5 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:114 Resp: 427438

Ion Ratio Lower Upper

114 100

63 25.7 20.5 30.7

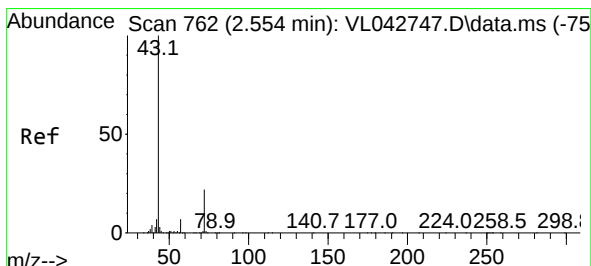
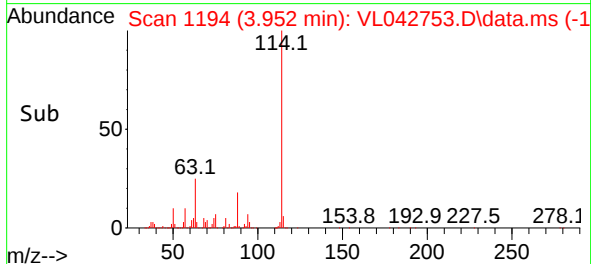
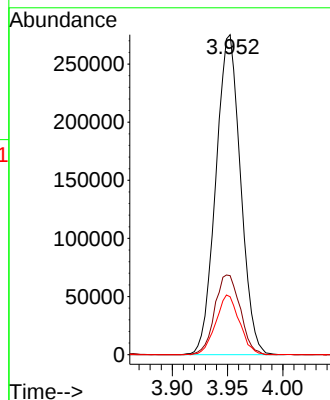
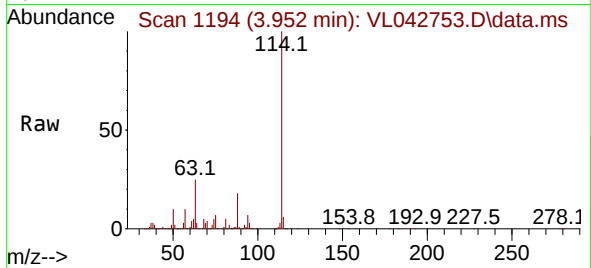
88 17.9 14.0 21.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#34

2-Butanone

Concen: 14.297 ppbv

RT: 2.551 min Scan# 761

Delta R.T. -0.003 min

Lab File: VL042753.D

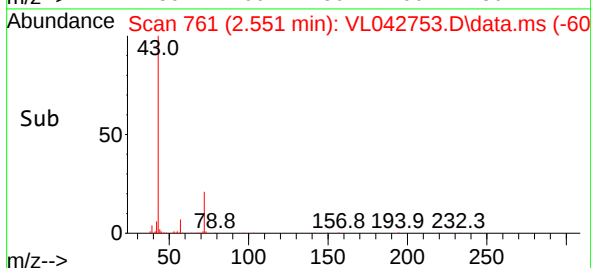
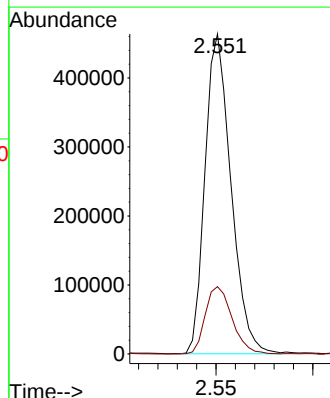
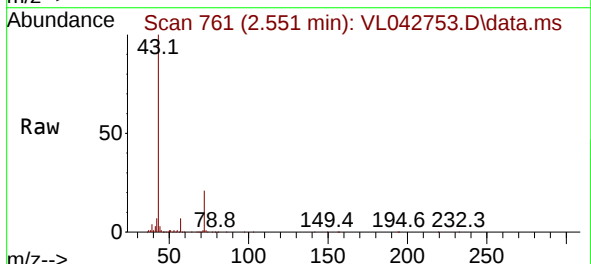
Acq: 23 Jul 2025 12:26

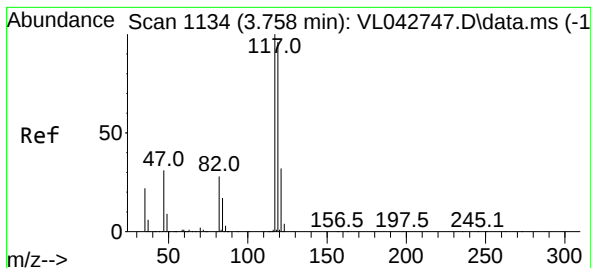
Tgt Ion: 43 Resp: 432873

Ion Ratio Lower Upper

43 100

72 21.8 17.4 26.0





#35

Carbon Tetrachloride

Concen: 14.764 ppbv

RT: 3.755 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

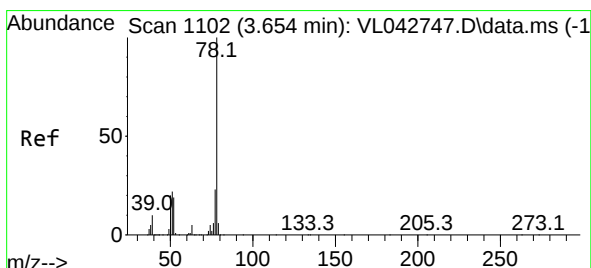
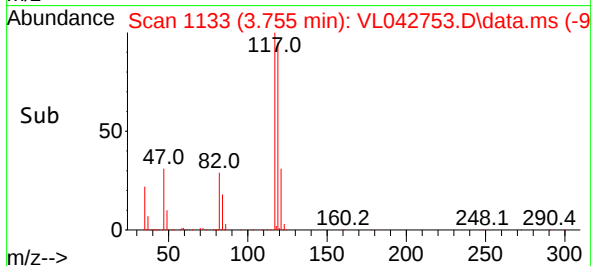
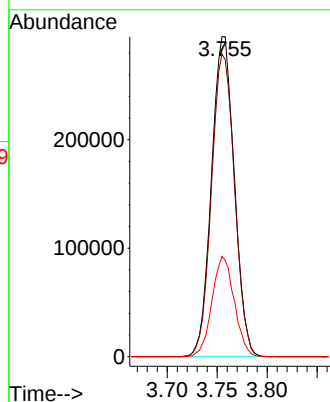
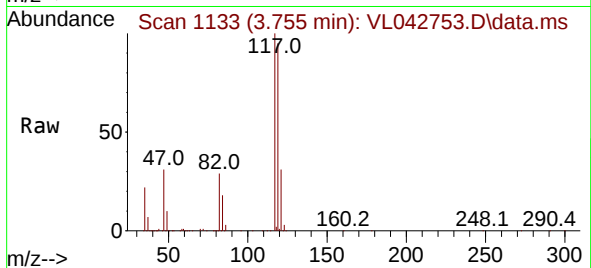
Tgt Ion:117 Resp: 46895

Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.1	115.7
121	31.4	25.5	38.3

Manual Integrations

APPROVED

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



#36

Benzene

Concen: 14.247 ppbv

RT: 3.651 min Scan# 1101

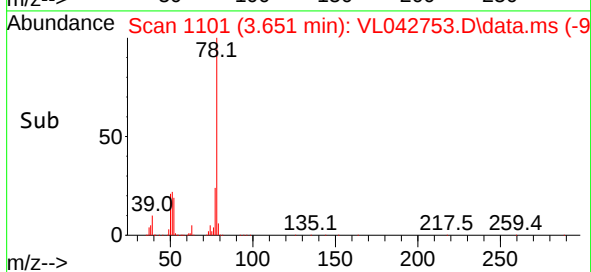
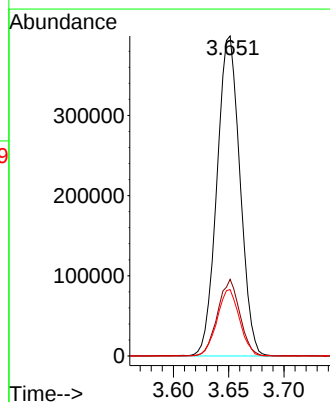
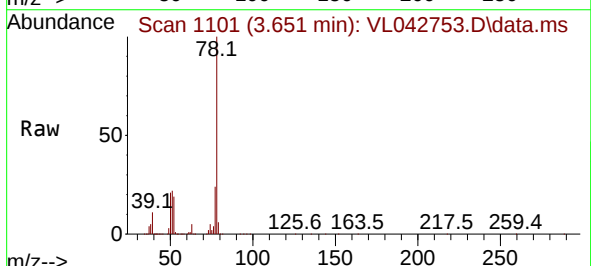
Delta R.T. -0.003 min

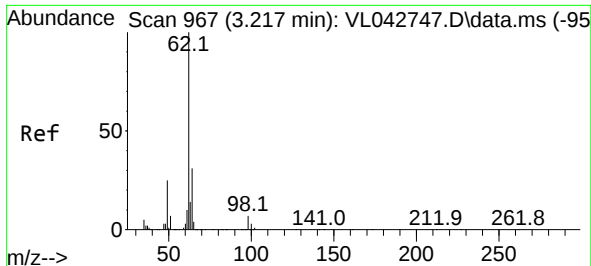
Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Tgt Ion: 78 Resp: 577153

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.5	27.7
50	20.7	16.2	24.2





#37

1,2-Dichloroethane

Concen: 14.533 ppbv

RT: 3.211 min Scan# 9

Delta R.T. -0.006 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 62 Resp: 35463

Ion Ratio Lower Upper

62 100

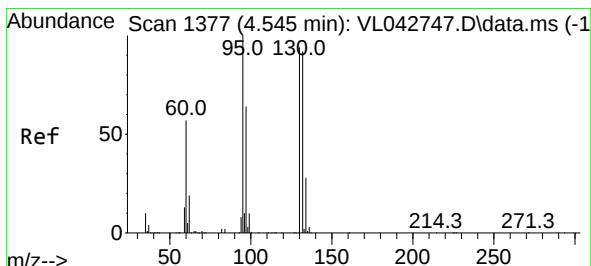
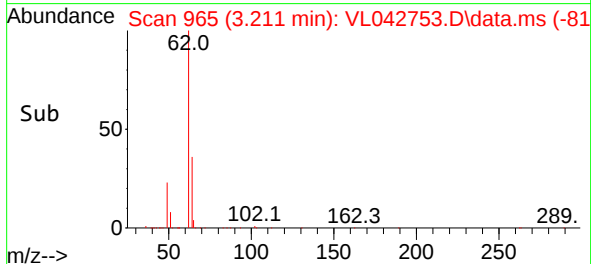
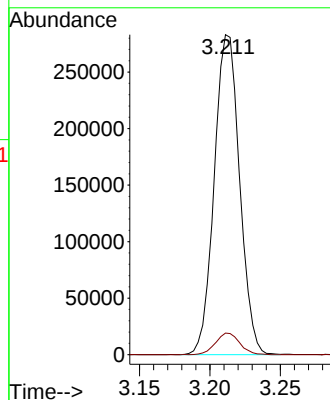
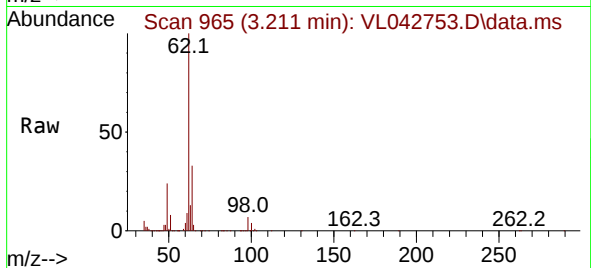
98 6.5 5.2 7.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#38

Trichloroethene

Concen: 13.416 ppbv

RT: 4.541 min Scan# 1376

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Tgt Ion:130 Resp: 262041

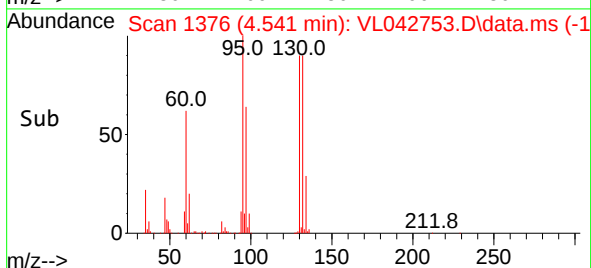
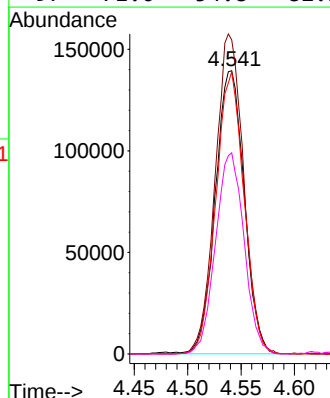
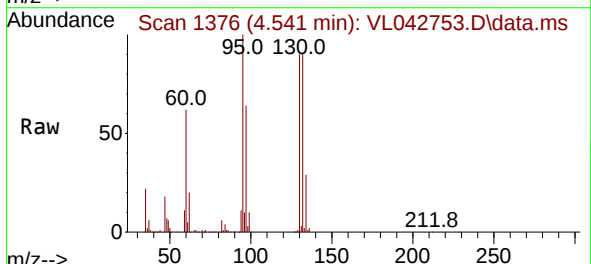
Ion Ratio Lower Upper

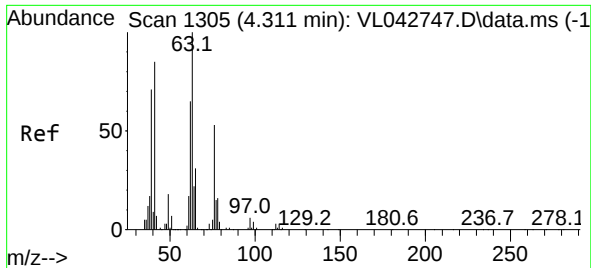
130 100

95 110.8 85.4 128.2

132 99.5 78.2 117.2

97 71.0 54.8 82.2





#39

1,2-Dichloropropane

Concen: 14.150 ppbv

RT: 4.305 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

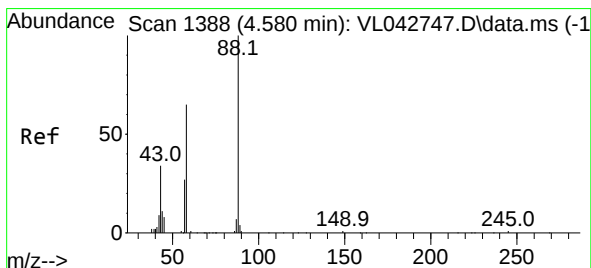
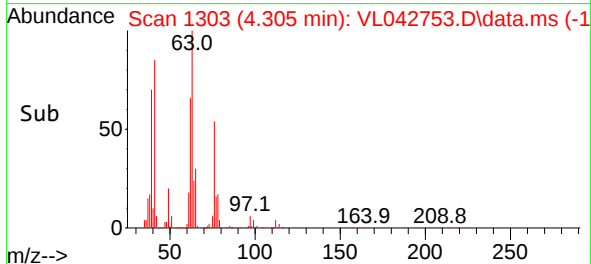
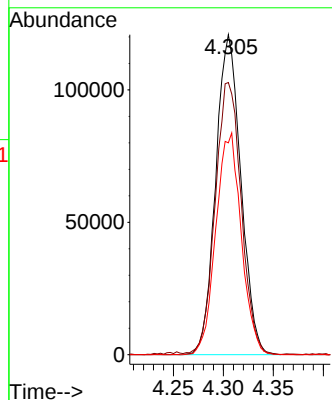
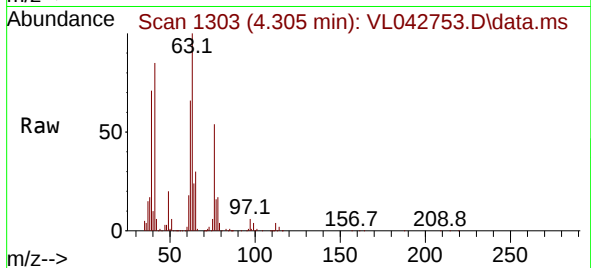
Tgt Ion: 63 Resp: 211594

Ion	Ratio	Lower	Upper
63	100		
41	85.0	68.2	102.4
62	66.2	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: 13.926 ppbv

RT: 4.567 min Scan# 1384

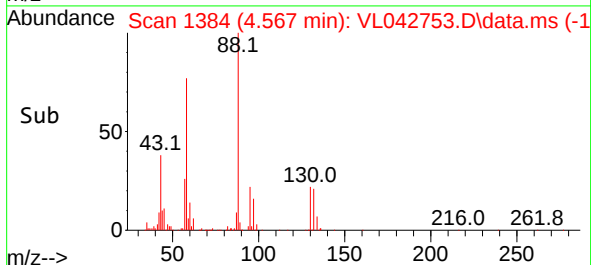
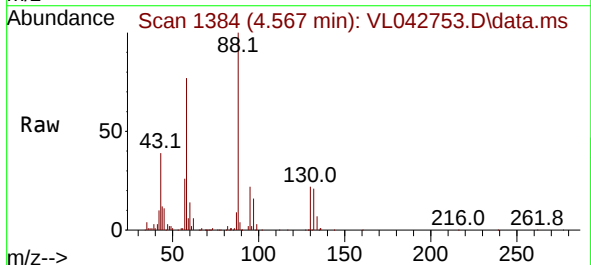
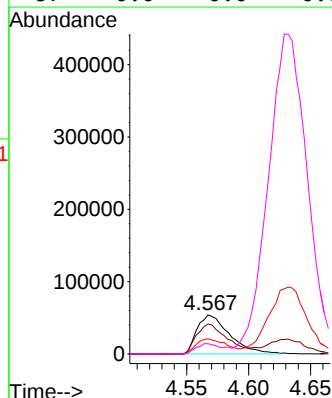
Delta R.T. -0.013 min

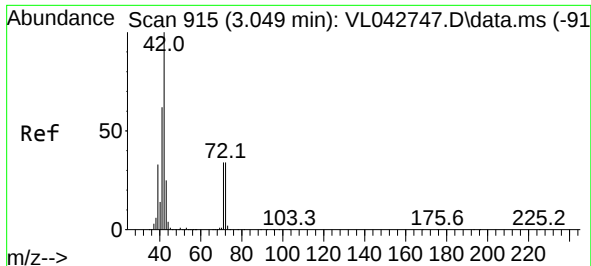
Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Tgt Ion: 88 Resp: 98196

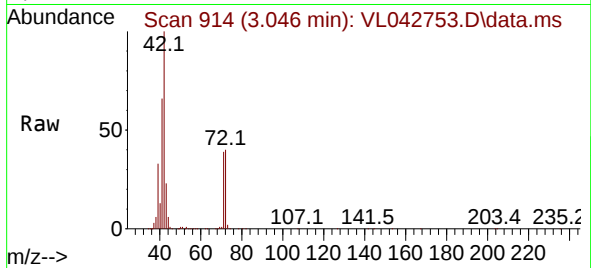
Ion	Ratio	Lower	Upper
88	100		
58	71.9	58.8	88.2
43	35.8	28.9	43.3
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 15.278 ppbv
RT: 3.046 min Scan# 915
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

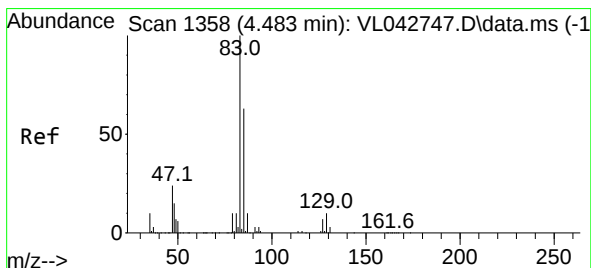
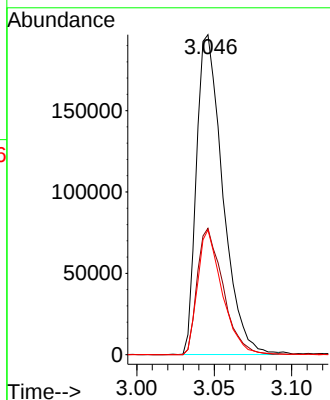
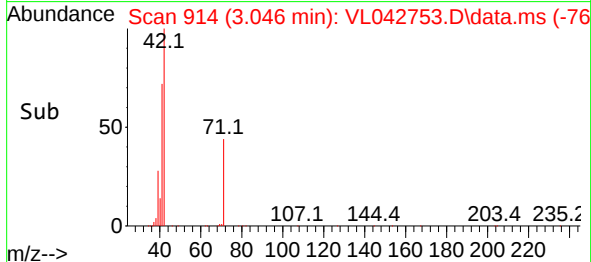
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



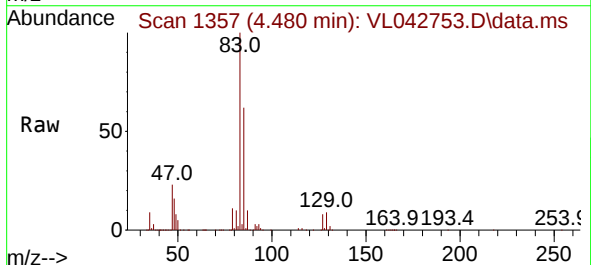
Tgt Ion: 42 Resp: 232391
Ion Ratio Lower Upper
42 100
72 39.2 30.9 46.3
71 36.6 28.6 43.0

Manual Integrations
APPROVED

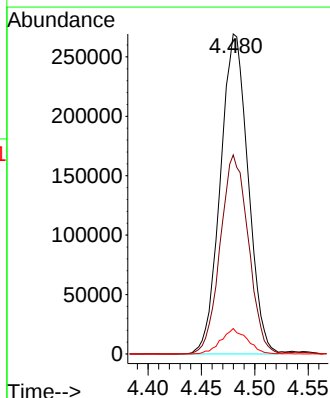
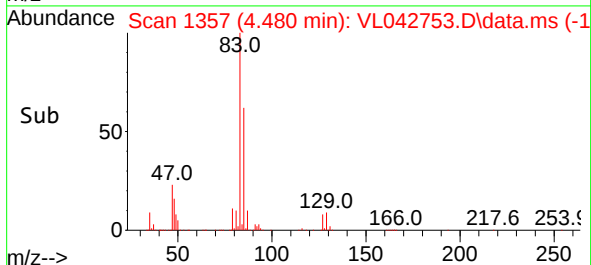
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

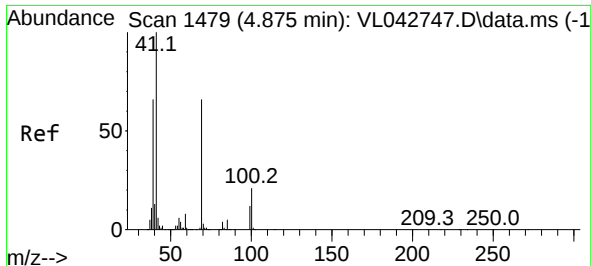


#42
Bromodichloromethane
Concen: 15.303 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26



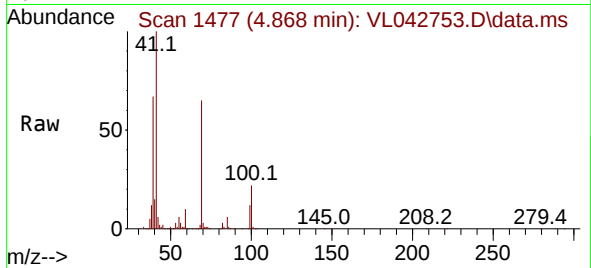
Tgt Ion: 83 Resp: 486831
Ion Ratio Lower Upper
83 100
85 62.2 50.2 75.4
127 8.0 5.4 8.2





#43
Methyl Methacrylate
Concen: 16.059 ppbv
RT: 4.868 min Scan# 1479
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

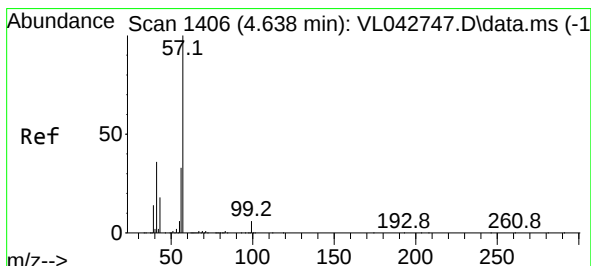
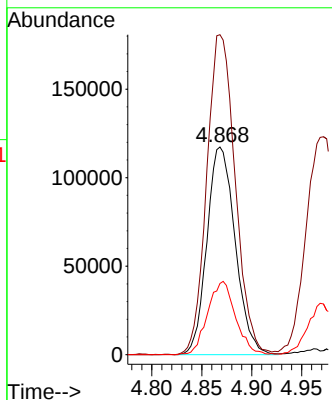
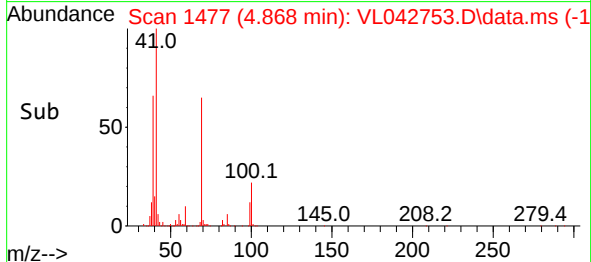
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



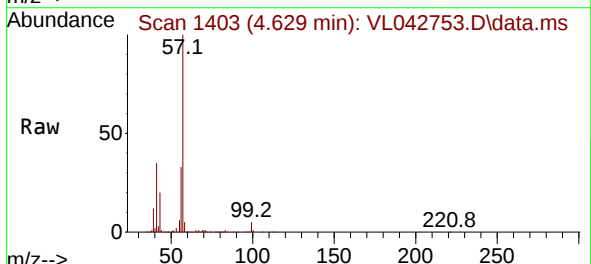
Tgt Ion: 69 Resp: 231227
Ion Ratio Lower Upper
69 100
41 155.0 125.7 188.5
100 34.8 28.6 42.8

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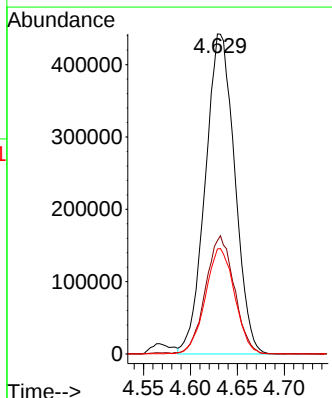
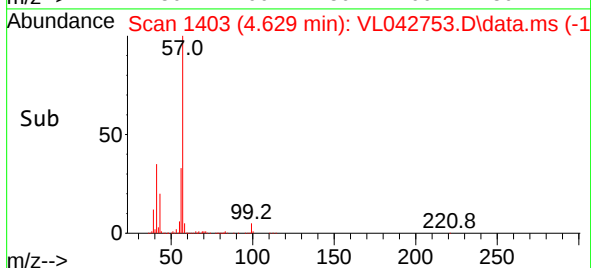
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

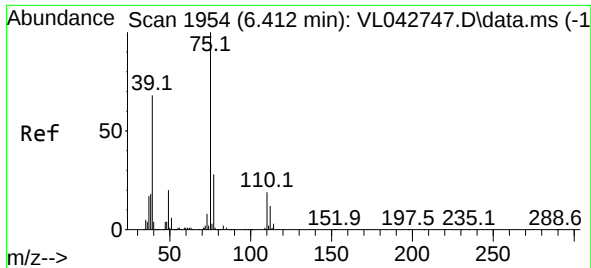


#44
2,2,4-Trimethylpentane
Concen: 14.598 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26



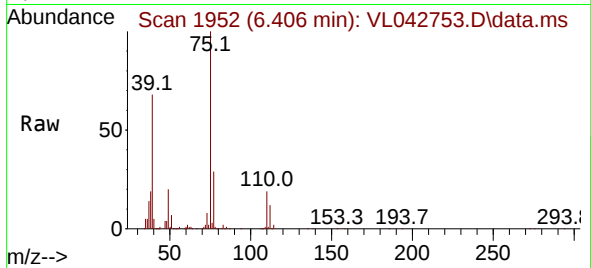
Tgt Ion: 57 Resp: 963867
Ion Ratio Lower Upper
57 100
41 36.4 28.3 42.5
56 32.9 25.8 38.6





#45
t-1,3-Dichloropropene
Concen: 16.478 ppbv
RT: 6.406 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

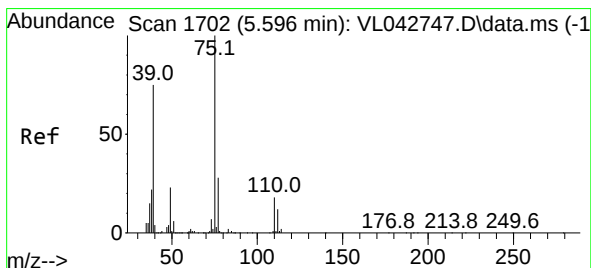
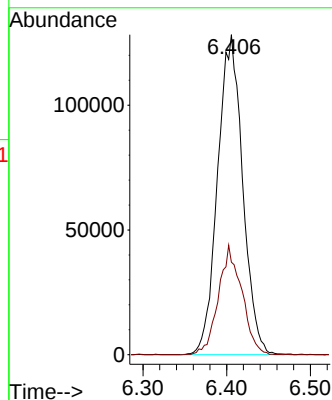
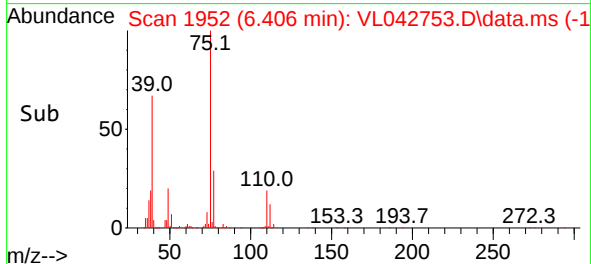
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 75 Resp: 266194
Ion Ratio Lower Upper
75 100
77 28.9 22.4 33.6

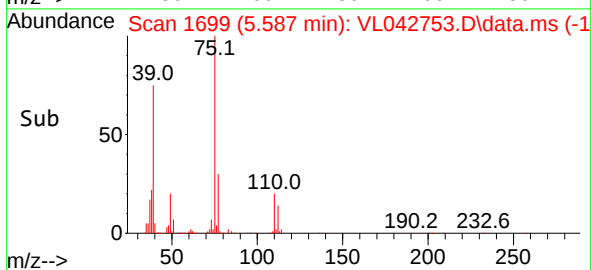
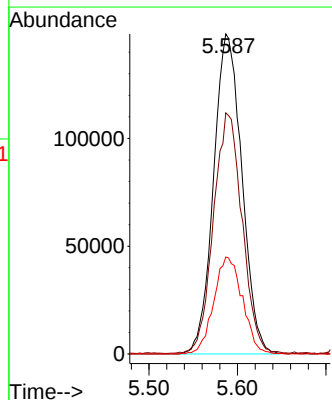
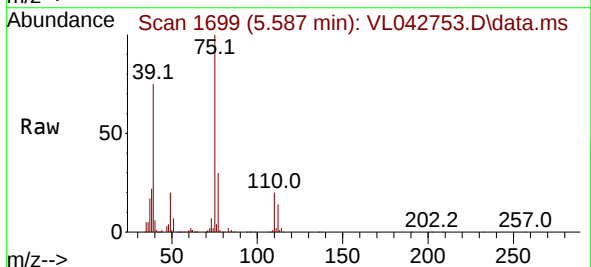
Manual Integrations
APPROVED

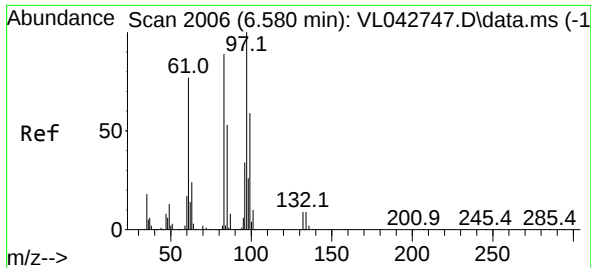
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#46
cis-1,3-Dichloropropene
Concen: 16.115 ppbv
RT: 5.587 min Scan# 1699
Delta R.T. -0.010 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 75 Resp: 329850
Ion Ratio Lower Upper
75 100
39 74.8 60.2 90.2
77 30.2 22.6 34.0





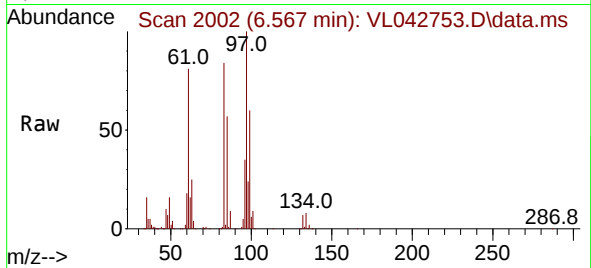
#47
1,1,2-Trichloroethane
Concen: 14.335 ppbv
RT: 6.567 min Scan# 2006
Delta R.T. -0.013 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

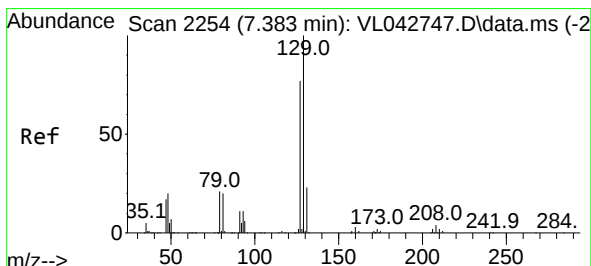
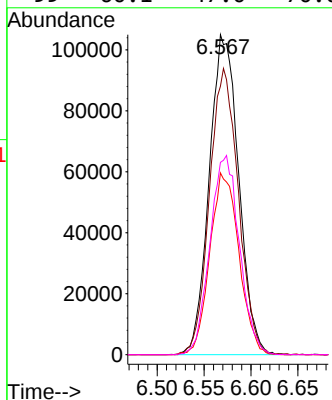
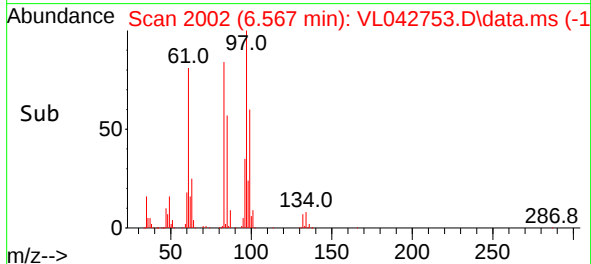


Tgt Ion: 97 Resp: 228492
Ion Ratio Lower Upper
97 100
83 83.7 71.1 106.7
85 56.7 43.0 64.4
99 60.1 47.0 70.6

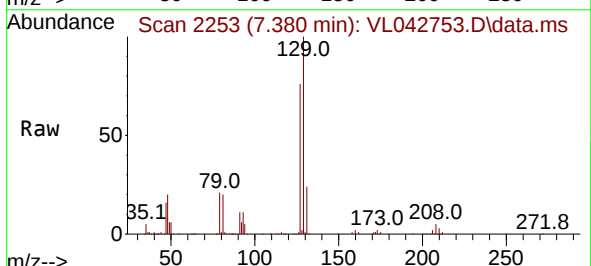
Manual Integrations

APPROVED

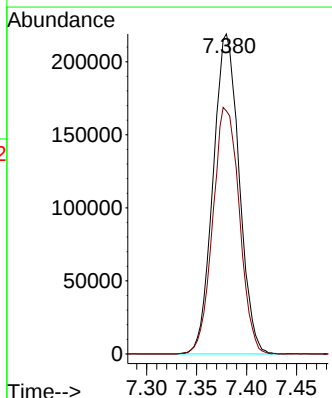
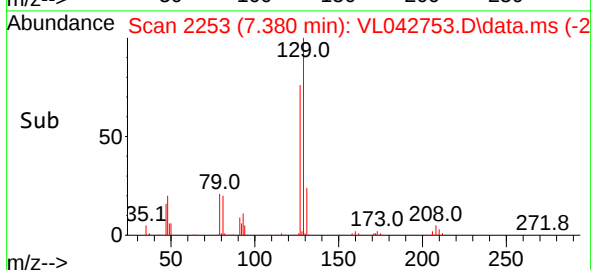
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

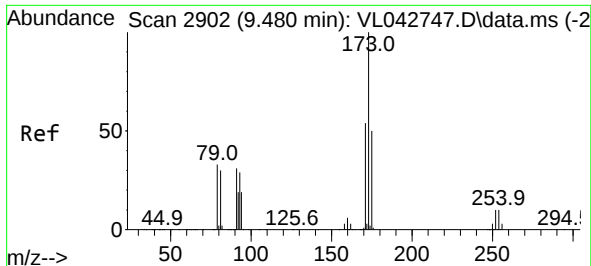


#48
Dibromochloromethane
Concen: 15.695 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26



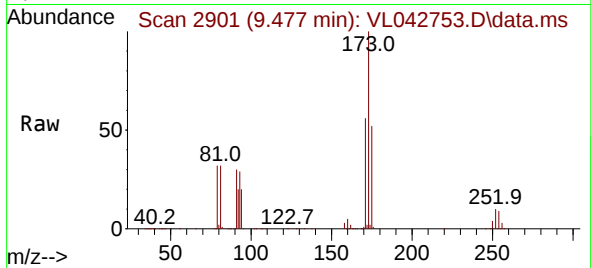
Tgt Ion:129 Resp: 397179
Ion Ratio Lower Upper
129 100
127 78.5 38.7 116.1





#49
Bromoform
Concen: 15.955 ppbv
RT: 9.477 min Scan# 2902
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

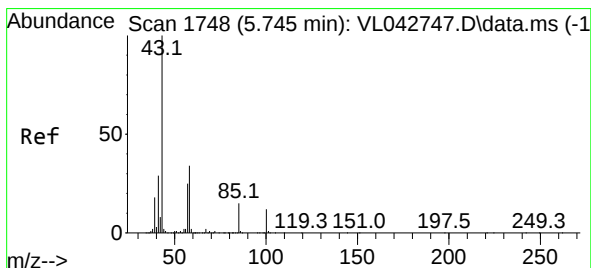
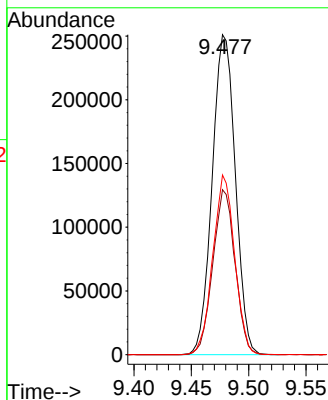
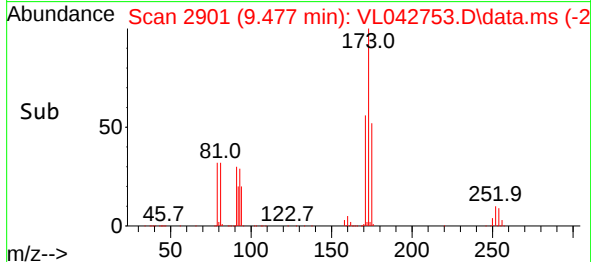
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:173 Resp: 352050
Ion Ratio Lower Upper
173 100
175 49.6 38.4 57.6
171 53.1 40.9 61.3

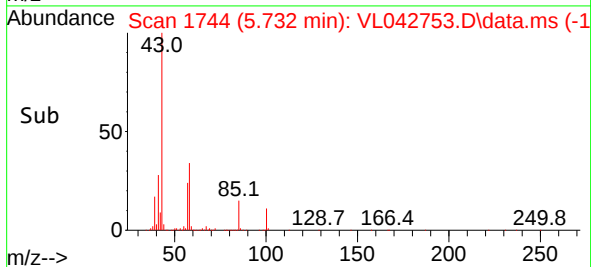
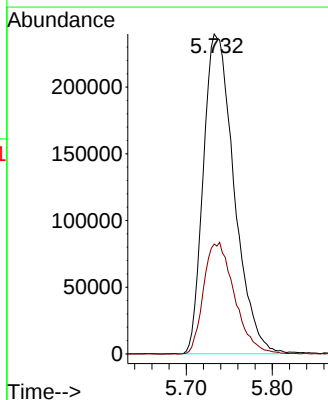
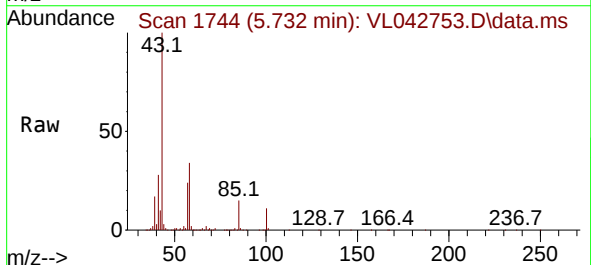
Manual Integrations
APPROVED

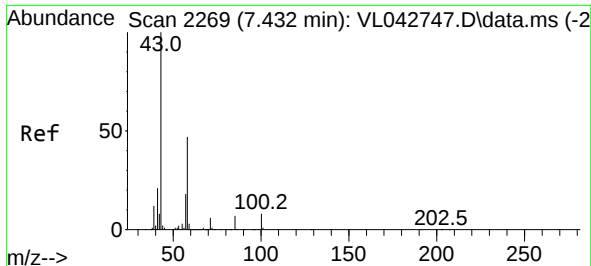
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#50
4-Methyl-2-Pentanone
Concen: 15.427 ppbv
RT: 5.732 min Scan# 1744
Delta R.T. -0.013 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

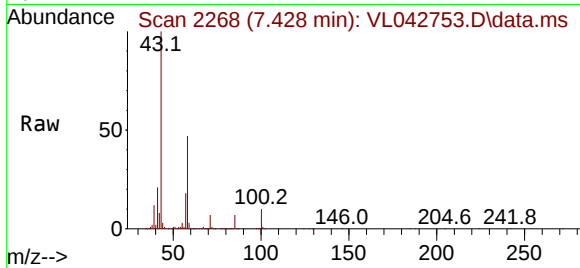
Tgt Ion: 43 Resp: 594973
Ion Ratio Lower Upper
43 100
58 35.1 27.8 41.8





#51
2-Hexanone
Concen: 16.467 ppbv
RT: 7.428 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

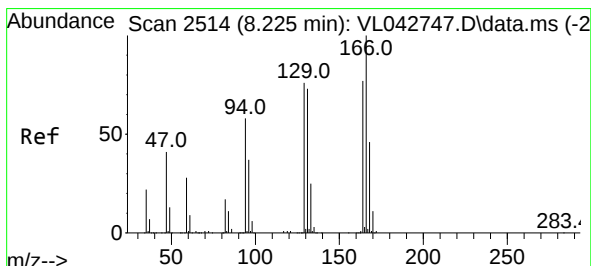
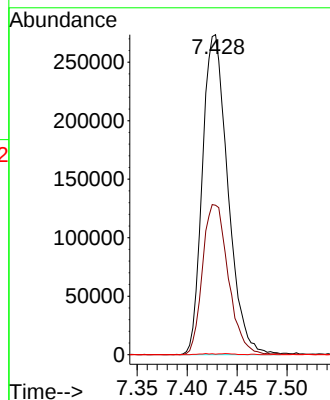
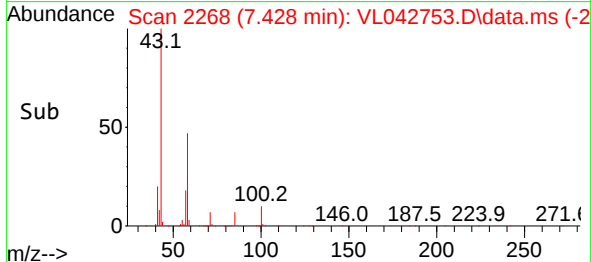
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



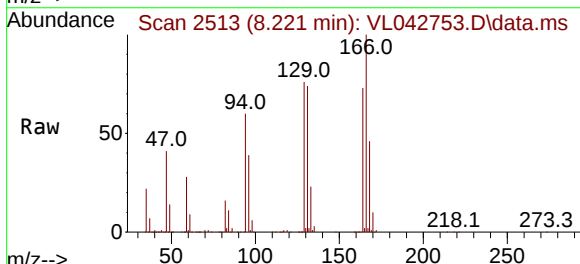
Tgt Ion: 43 Resp: 485329
Ion Ratio Lower Upper
43 100
58 47.7 38.0 57.0
98 0.4 0.2 0.4

Manual Integrations
APPROVED

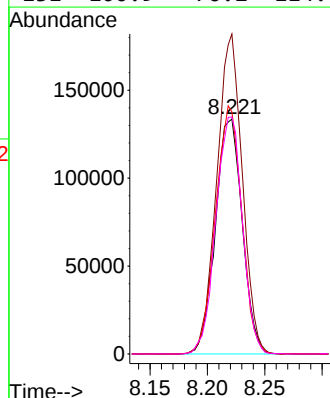
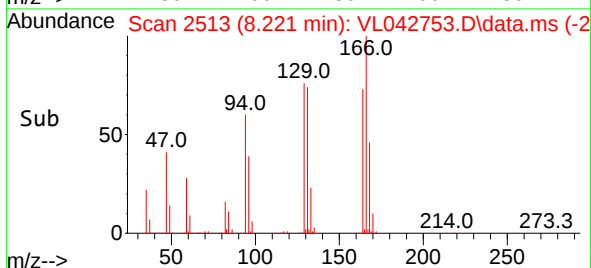
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

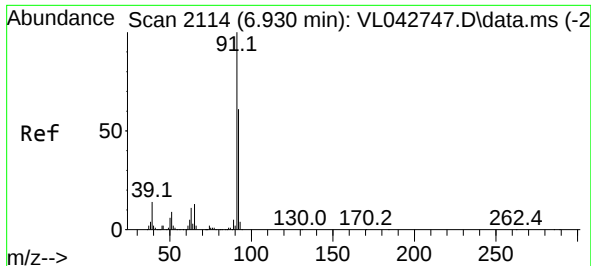


#52
Tetrachloroethene
Concen: 12.899 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26



Tgt Ion:164 Resp: 217184
Ion Ratio Lower Upper
164 100
166 136.3 104.0 156.0
129 103.1 79.2 118.8
131 100.9 76.2 114.4





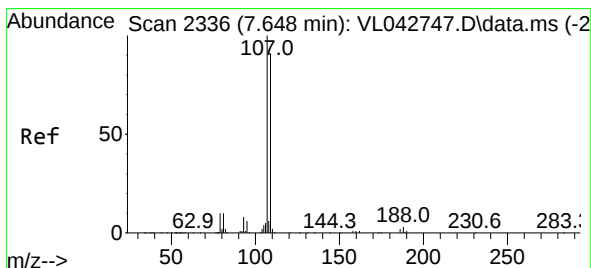
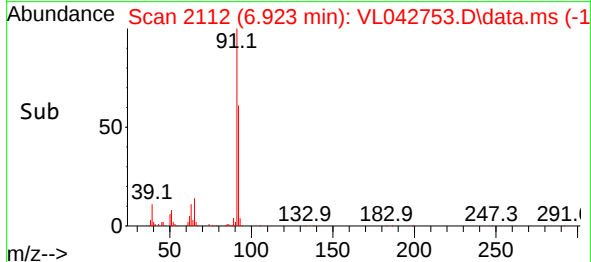
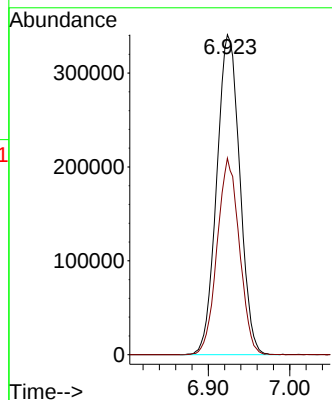
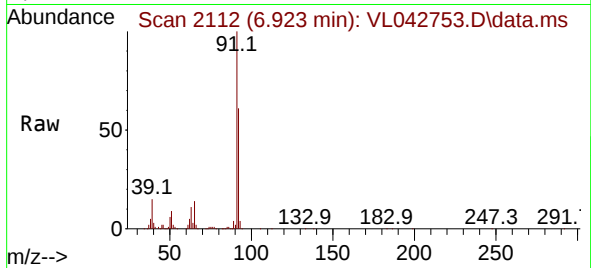
#53
Toluene
Concen: 15.405 ppbv
RT: 6.923 min Scan# 2112
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 67014
Ion Ratio Lower Upper
91 100
92 59.3 48.0 72.0

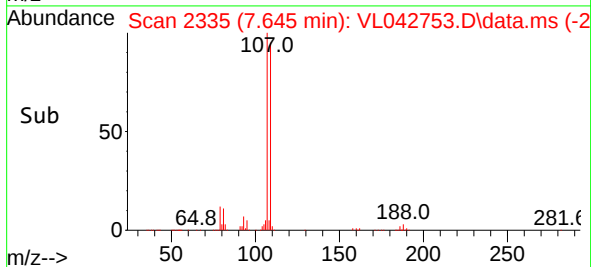
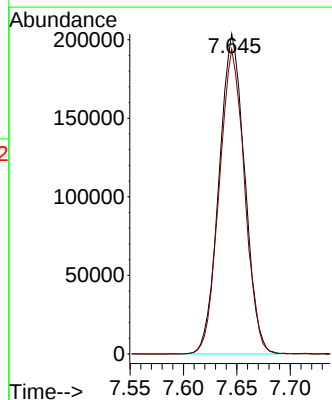
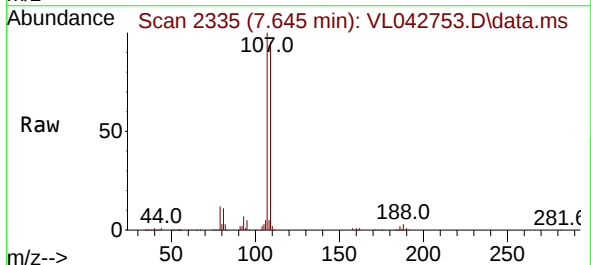
Manual Integrations
APPROVED

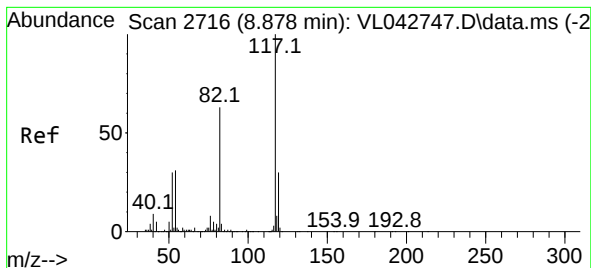
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#54
1,2-Dibromoethane
Concen: 15.019 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:107 Resp: 338867
Ion Ratio Lower Upper
107 100
109 95.1 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: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

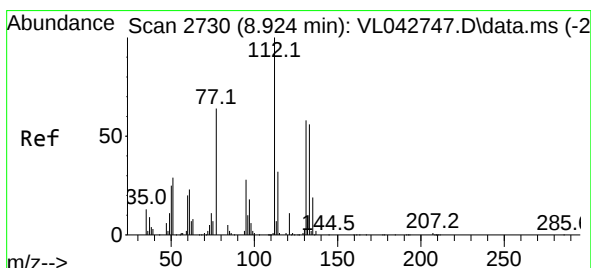
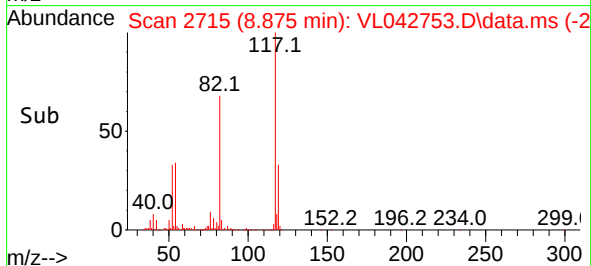
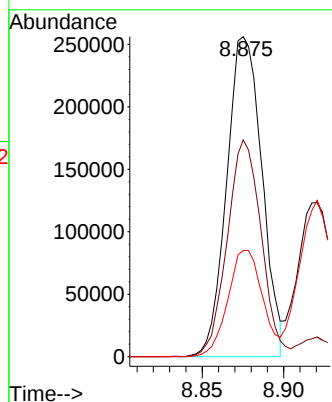
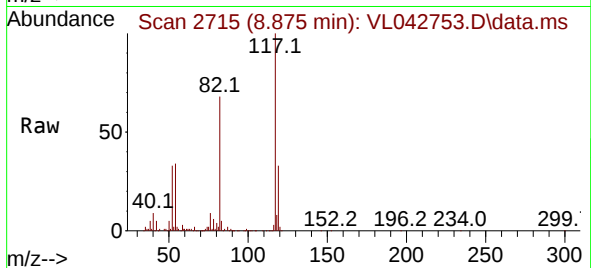
Tgt Ion:117 Resp: 38522

Ion	Ratio	Lower	Upper
117	100		
82	71.0	53.3	79.9
119	32.3	25.8	38.6

Manual Integrations

APPROVED

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



#56

1,1,1,2-Tetrachloroethane

Concen: 14.648 ppbv

RT: 8.920 min Scan# 2729

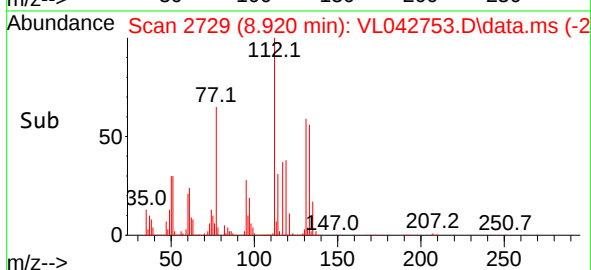
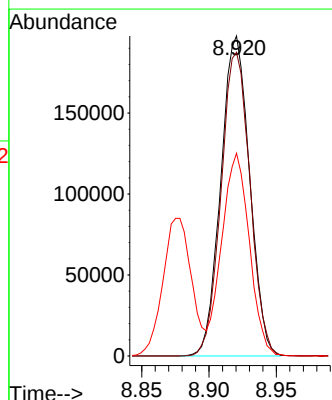
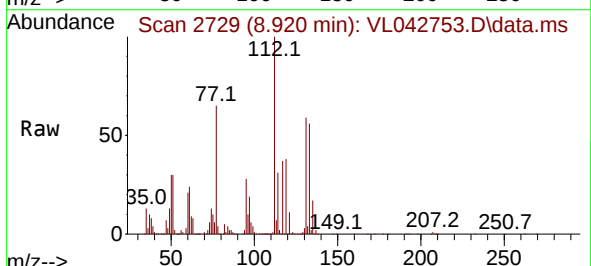
Delta R.T. -0.003 min

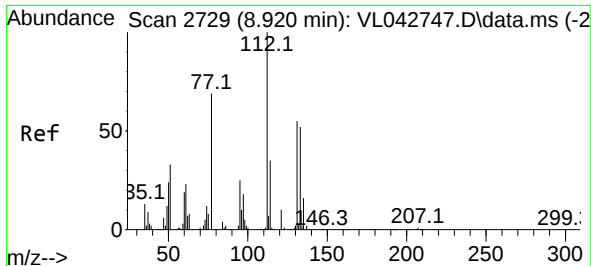
Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Tgt Ion:131 Resp: 293384

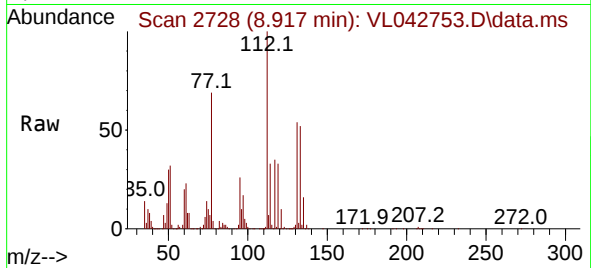
Ion	Ratio	Lower	Upper
131	100		
133	95.4	76.8	115.2
119	60.7	49.7	74.5





#57
Chlorobenzene
Concen: 14.025 ppbv
RT: 8.917 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

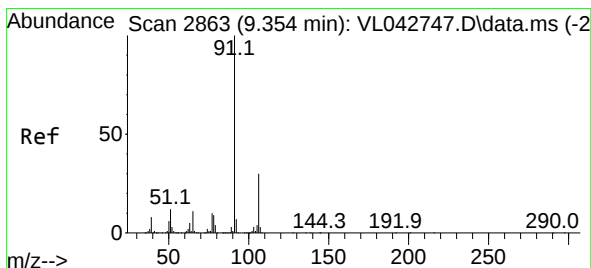
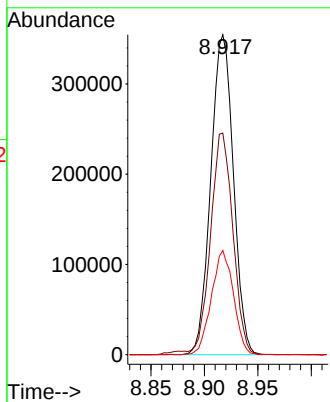
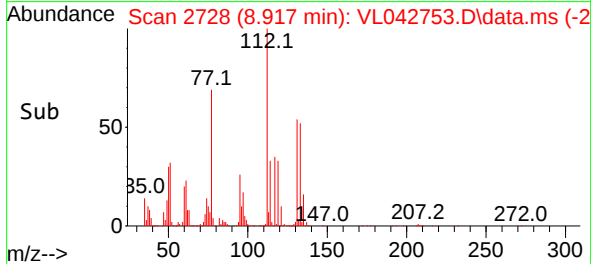
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:112 Resp: 522894
Ion Ratio Lower Upper
112 100
77 69.2 56.4 84.6
114 32.6 31.2 38.2

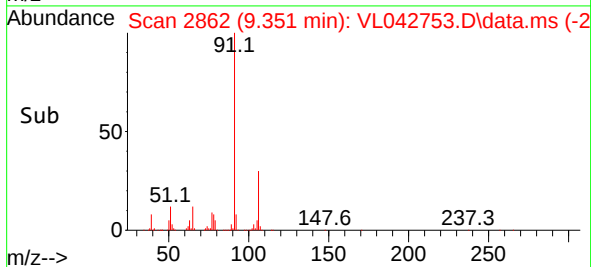
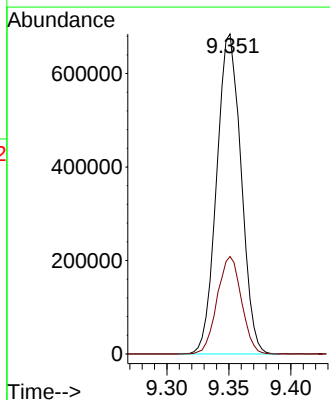
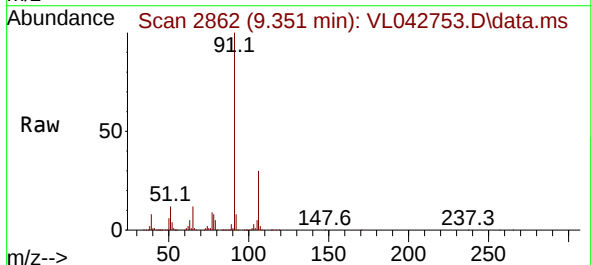
Manual Integrations
APPROVED

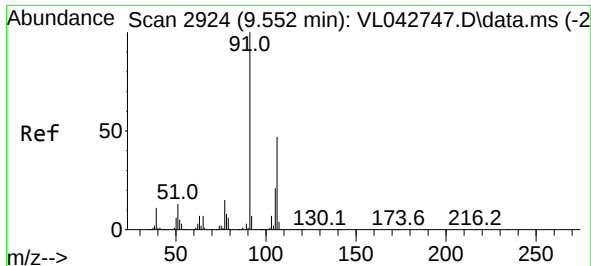
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#58
Ethyl Benzene
Concen: 15.454 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

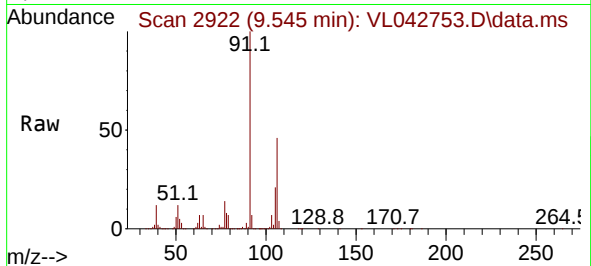
Tgt Ion: 91 Resp: 940159
Ion Ratio Lower Upper
91 100
106 30.5 23.8 35.6





#59
m/p-Xylene
Concen: 30.800 ppbv m
RT: 9.545 min Scan# 2924
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

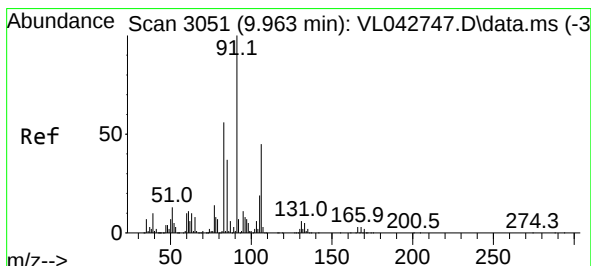
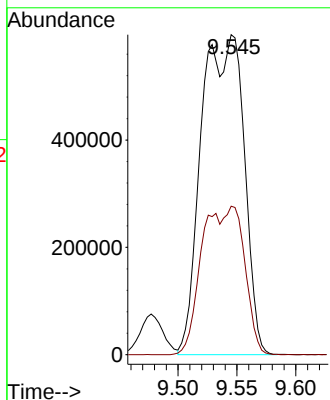
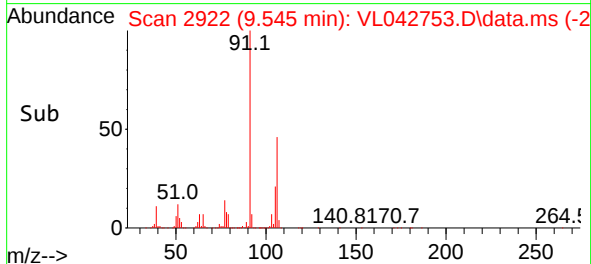
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



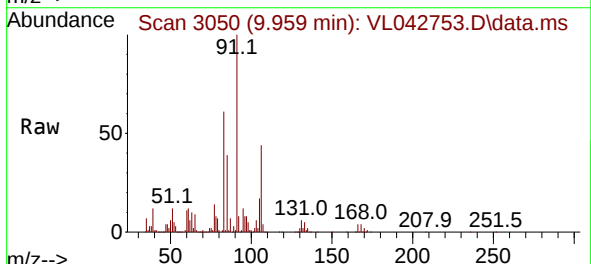
Tgt Ion: 91 Resp: 149793
Ion Ratio Lower Upper
91 100
106 46.6 37.4 56.2

Manual Integrations
APPROVED

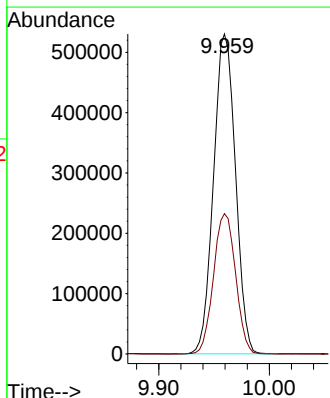
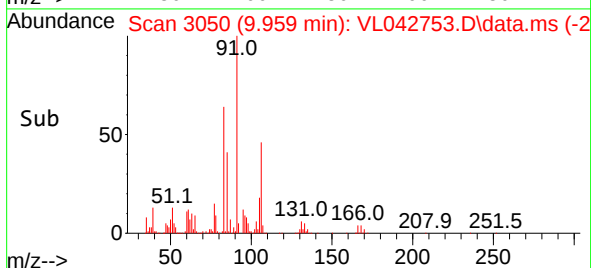
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

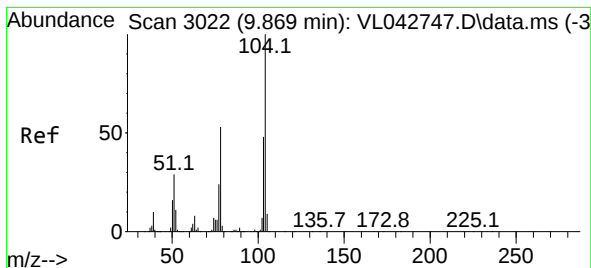


#60
o-Xylene
Concen: 15.030 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26



Tgt Ion: 91 Resp: 730161
Ion Ratio Lower Upper
91 100
106 44.1 22.0 66.0





#61

Styrene

Concen: 16.805 ppbv

RT: 9.866 min Scan# 3022

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

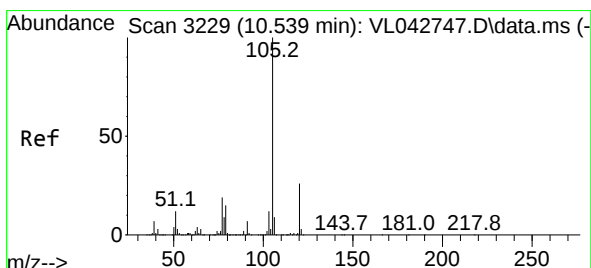
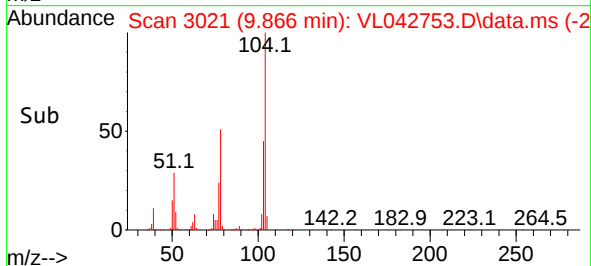
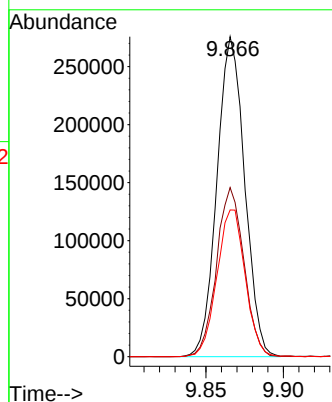
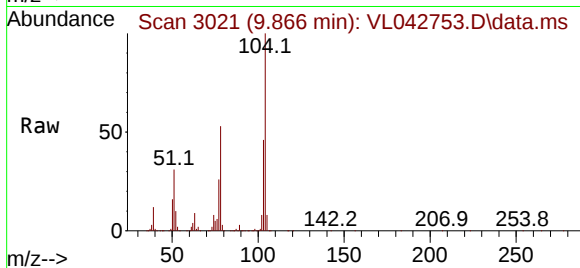
VSTDICC015

Tgt Ion:104 Resp: 343429
 Ion Ratio Lower Upper
 104 100
 78 52.3 41.5 62.3
 103 46.9 37.5 56.3

Manual Integrations

APPROVED

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



#62

Isopropylbenzene

Concen: 15.049 ppbv

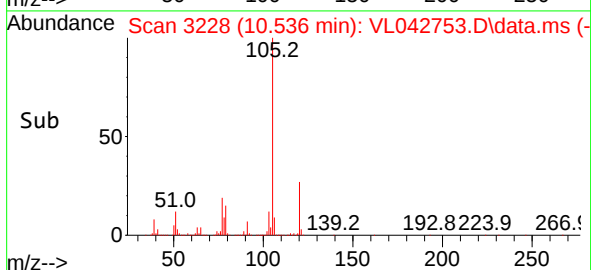
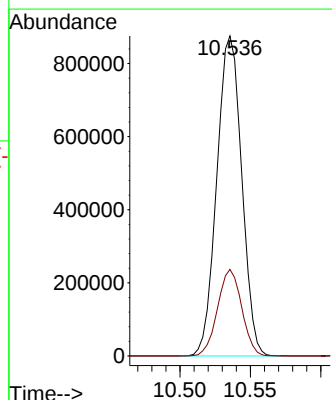
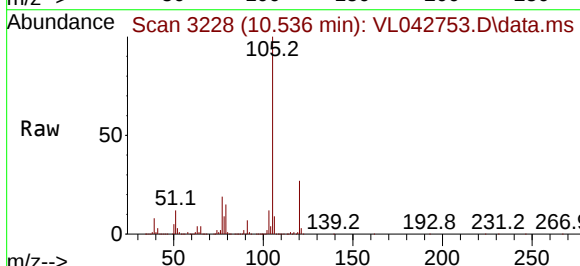
RT: 10.536 min Scan# 3228

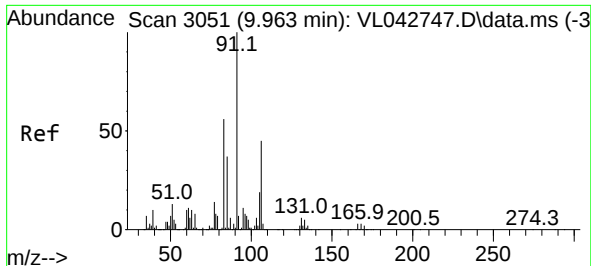
Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

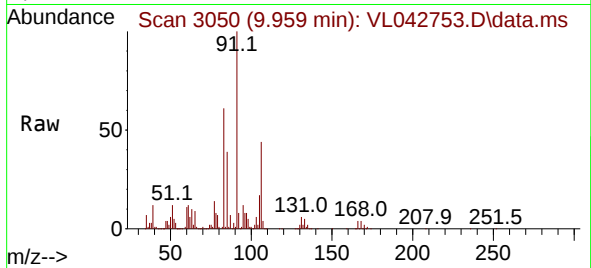
Tgt Ion:105 Resp: 1078393
 Ion Ratio Lower Upper
 105 100
 120 26.2 20.5 30.7





#63
1,1,2,2-Tetrachloroethane
Concen: 13.261 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

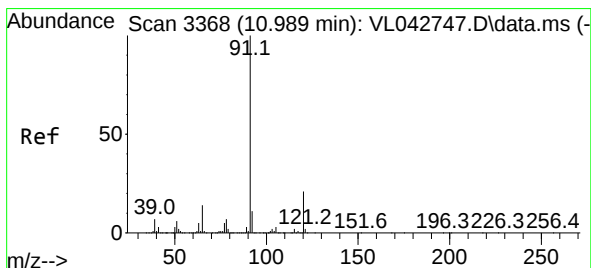
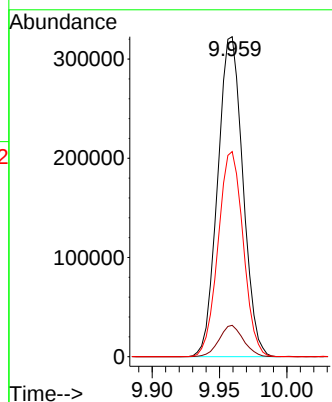
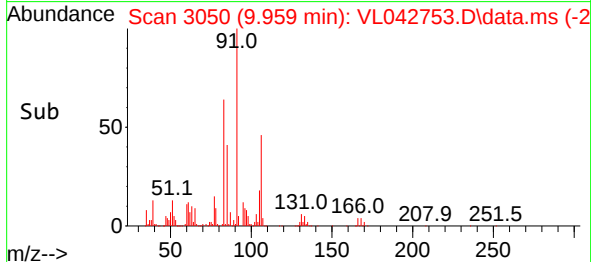
Instrument : MSVOA_L
ClientSampleId : VSTDIC015



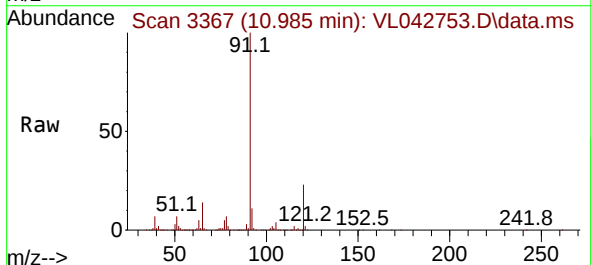
Tgt Ion: 83 Resp: 419734
Ion Ratio Lower Upper
83 100
131 9.5 5.0 15.0
85 63.8 32.6 97.7

Manual Integrations
APPROVED

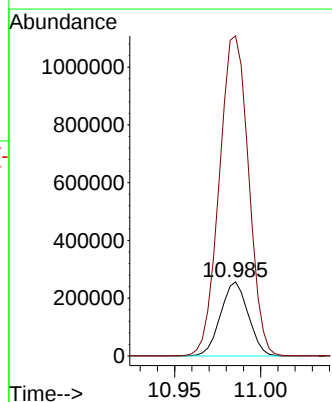
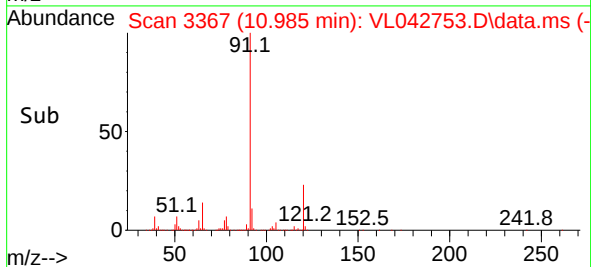
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

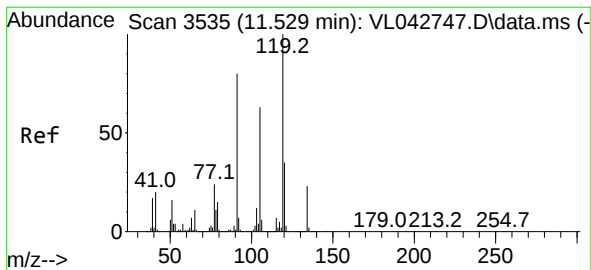


#64
n-propylbenzene
Concen: 15.348 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26



Tgt Ion:120 Resp: 286724
Ion Ratio Lower Upper
120 100
91 458.1 372.7 559.1





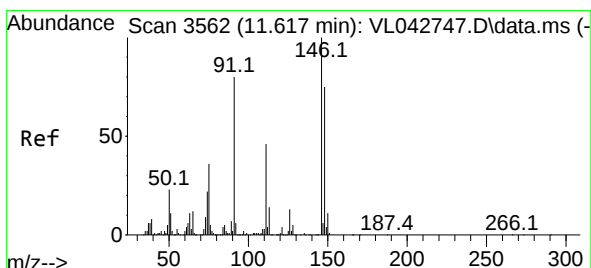
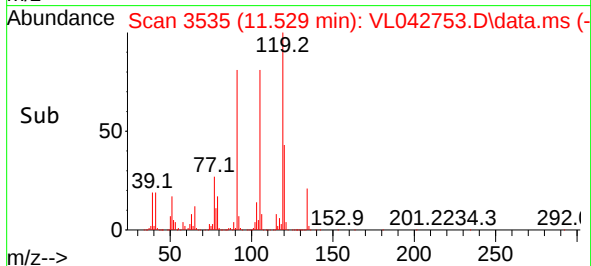
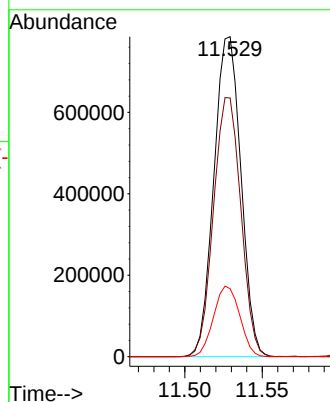
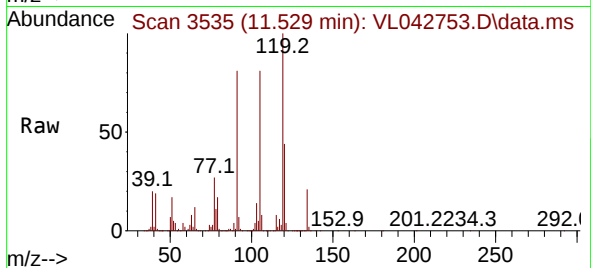
#65
tert-Butylbenzene
Concen: 14.995 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument : MSVOA_L
ClientSampleId : VSTDIC015

Tgt Ion: 119 Resp: 954459
Ion Ratio Lower Upper
119 100
91 81.9 64.0 96.0
134 21.4 17.3 25.9

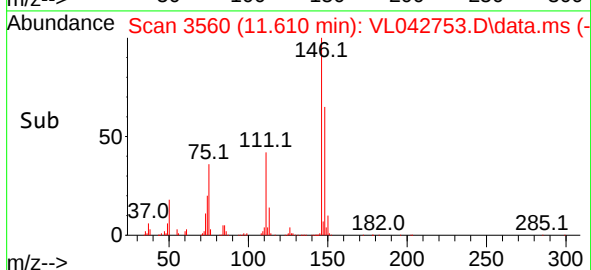
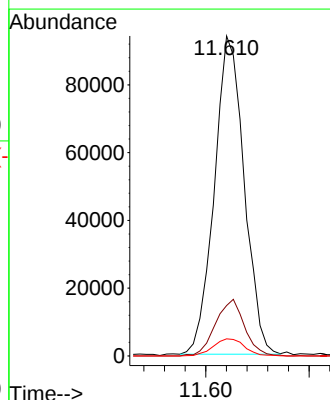
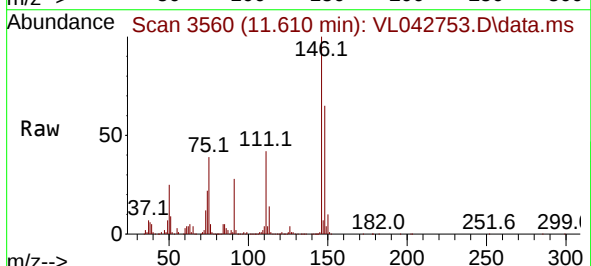
Manual Integrations
APPROVED

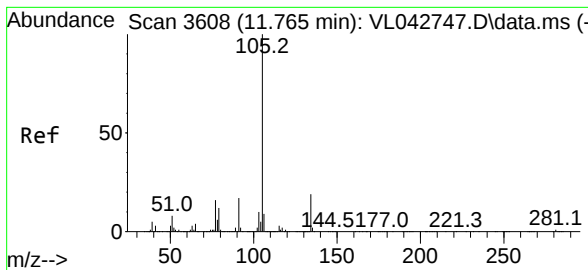
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#66
Benzyl Chloride
Concen: 18.031 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

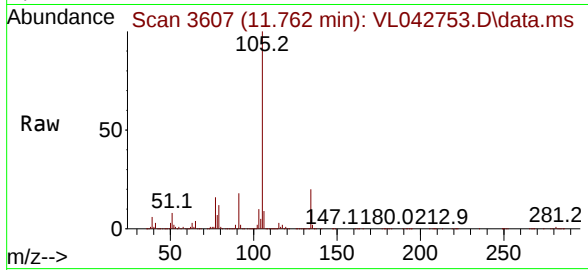
Tgt Ion: 91 Resp: 94218
Ion Ratio Lower Upper
91 100
126 17.3 14.4 21.6
128 5.7 5.2 7.8





#67
 sec-Butylbenzene
 Concen: 14.662 ppbv
 RT: 11.762 min Scan# 3607
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

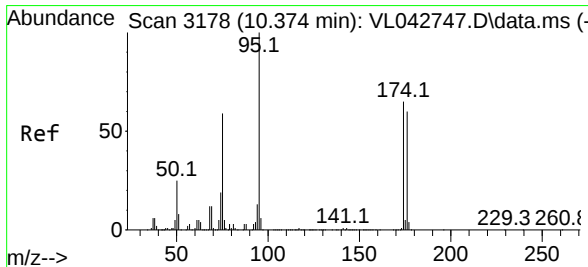
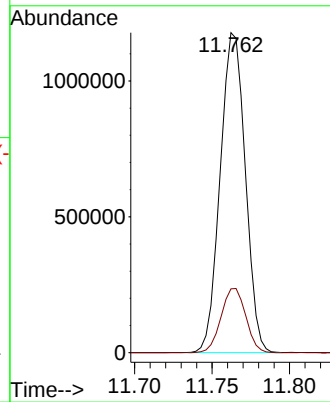
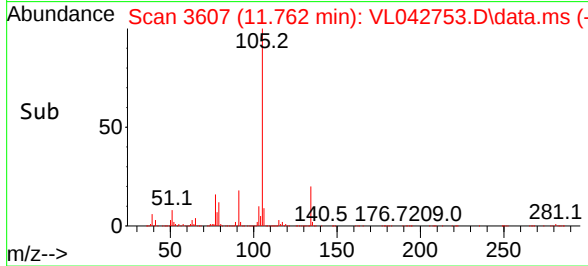
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



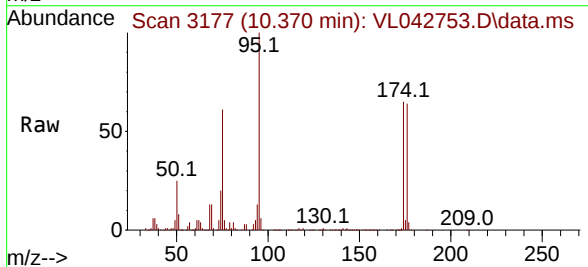
Tgt Ion:105 Resp: 132739
 Ion Ratio Lower Upper
 105 100
 134 19.8 15.5 23.3

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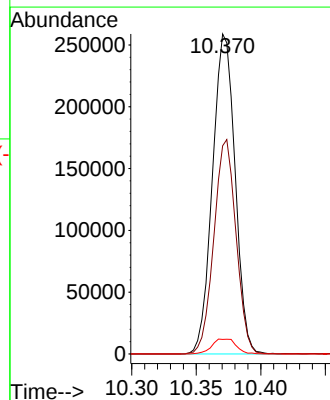
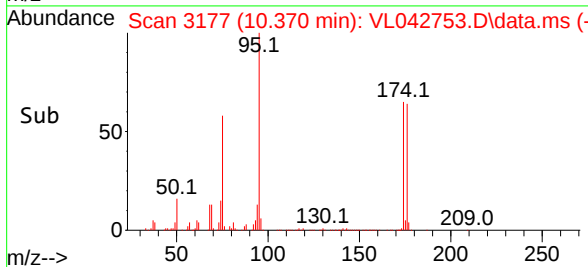
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

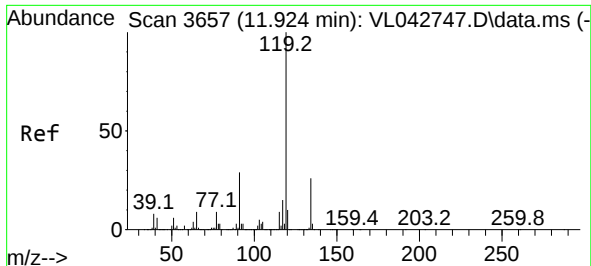


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.335 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26



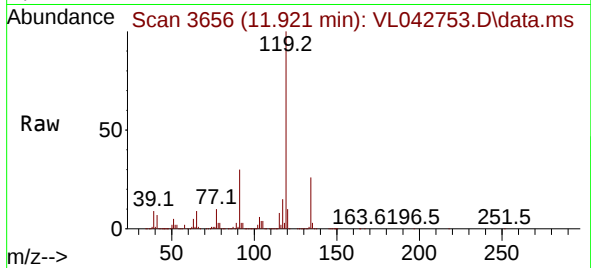
Tgt Ion: 95 Resp: 315293
 Ion Ratio Lower Upper
 95 100
 174 65.7 53.8 80.6
 175 5.0 4.0 6.0





#69
 p-Isopropyltoluene
 Concen: 15.571 ppbv
 RT: 11.921 min Scan# 30
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

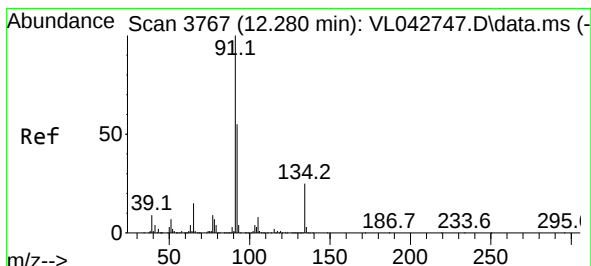
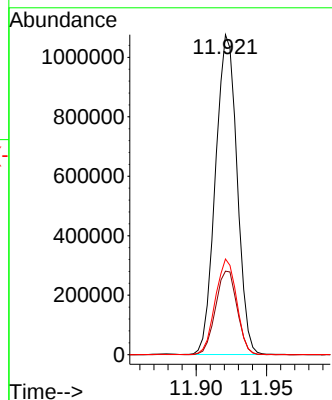
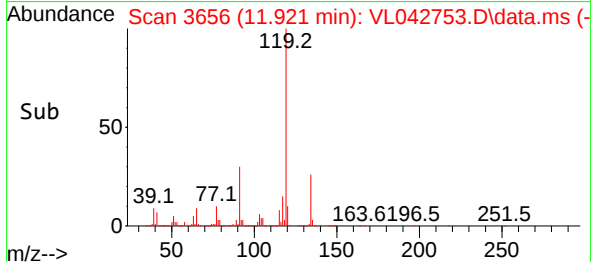
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



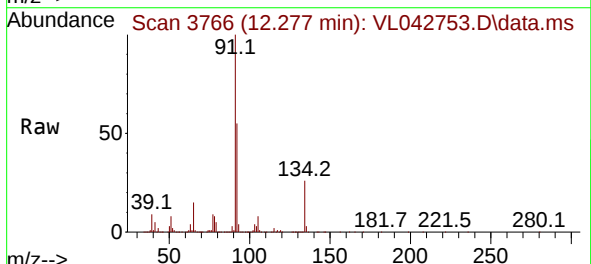
Tgt Ion: 119 Resp: 1149418
 Ion Ratio Lower Upper
 119 100
 134 26.3 20.6 31.0
 91 29.6 23.2 34.8

Manual Integrations
 APPROVED

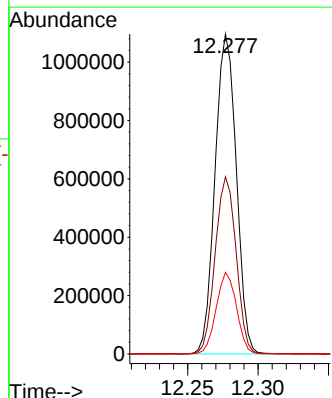
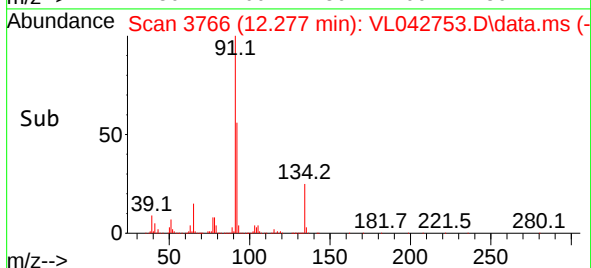
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

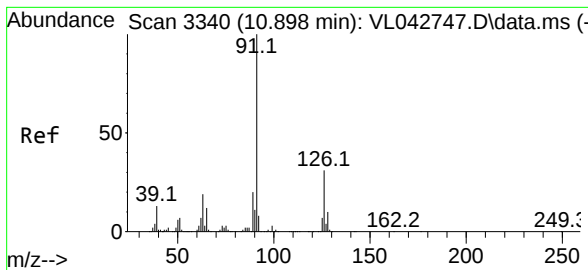


#70
 n-Butylbenzene
 Concen: 16.159 ppbv
 RT: 12.277 min Scan# 3766
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26



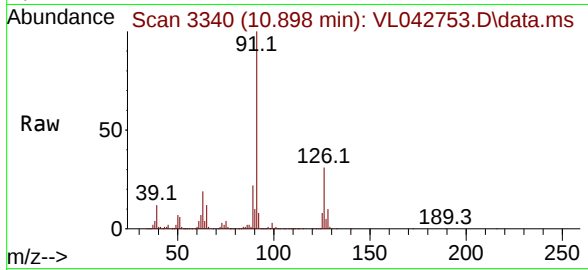
Tgt Ion: 91 Resp: 1152207
 Ion Ratio Lower Upper
 91 100
 92 54.6 43.4 65.2
 134 24.5 19.6 29.4





#71
2-Chlorotoluene
Concen: 15.257 ppbv
RT: 10.898 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

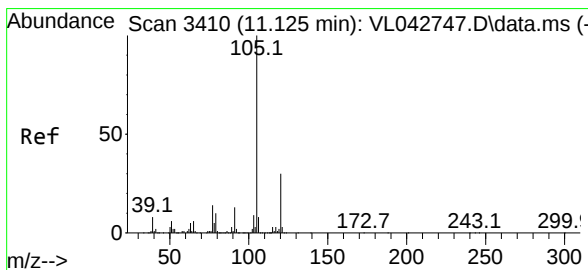
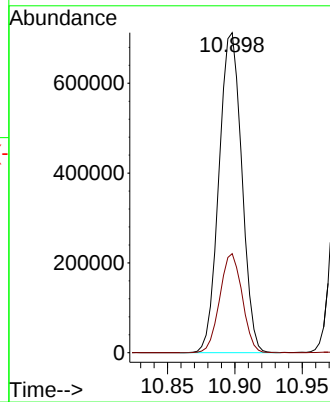
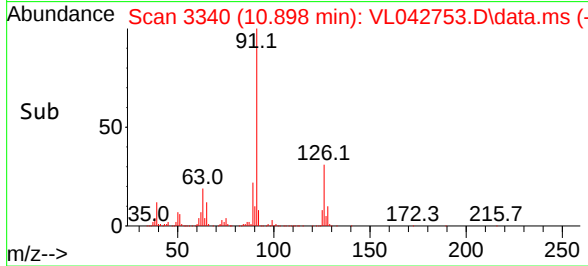
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



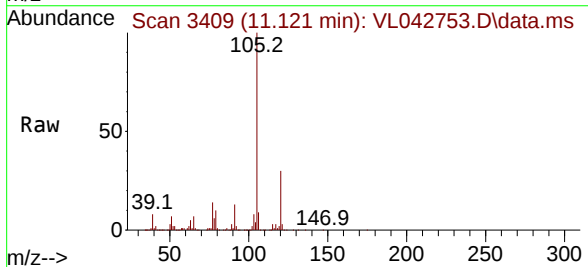
Tgt Ion: 91 Resp: 83833
Ion Ratio Lower Upper
91 100
126 30.5 12.0 48.2

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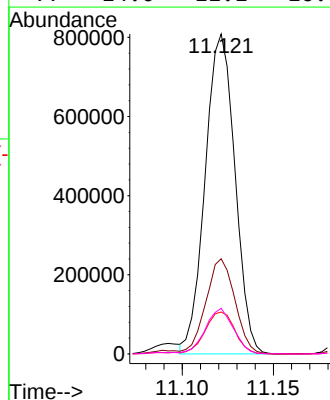
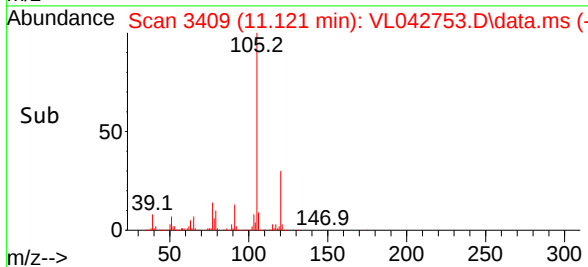
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

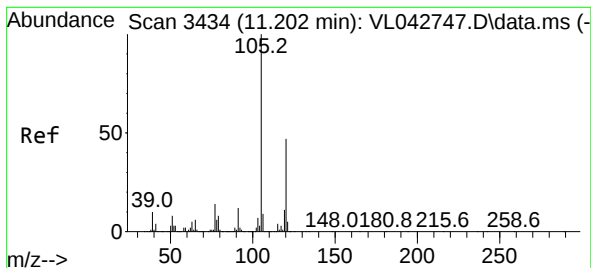


#72
4-Ethyltoluene
Concen: 15.830 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26



Tgt Ion:105 Resp: 918453
Ion Ratio Lower Upper
105 100
120 30.1 24.4 36.6
91 13.5 10.6 15.8
77 14.0 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 15.977 ppbv

RT: 11.199 min Scan# 3434

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:105 Resp: 763212

Ion Ratio Lower Upper

105 100

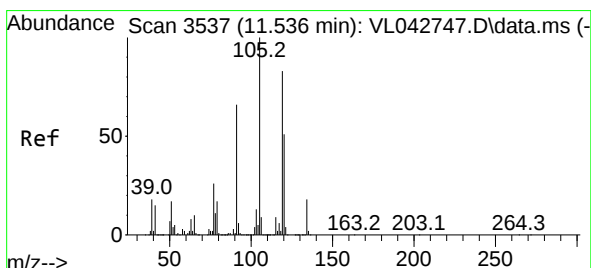
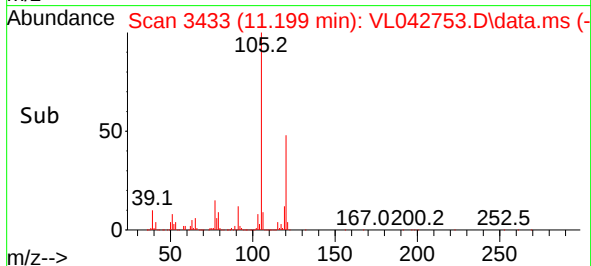
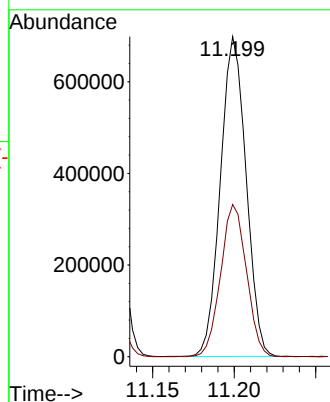
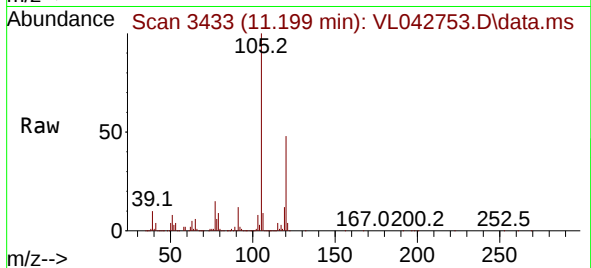
120 47.5 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#74

1,2,4-Trimethylbenzene

Concen: 15.873 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Tgt Ion:105 Resp: 827222

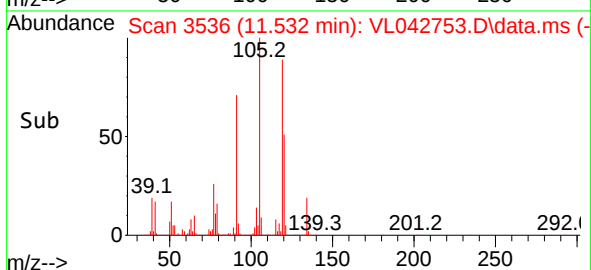
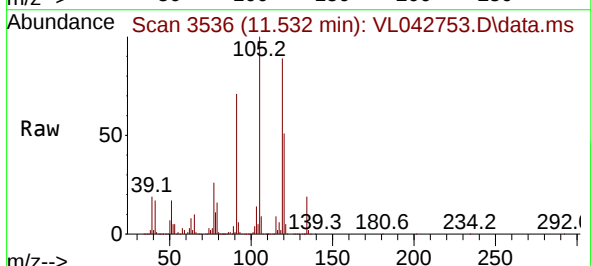
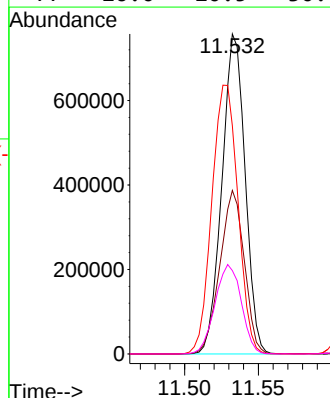
Ion Ratio Lower Upper

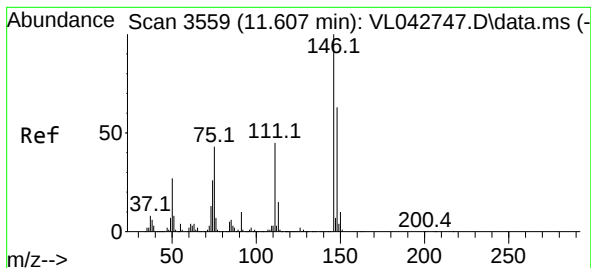
105 100

120 51.1 40.8 61.2

91 71.2 53.0 79.4

77 26.0 20.5 30.7





#75

1,3-Dichlorobenzene

Concen: 14.761 ppbv

RT: 11.604 min Scan# 3559

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

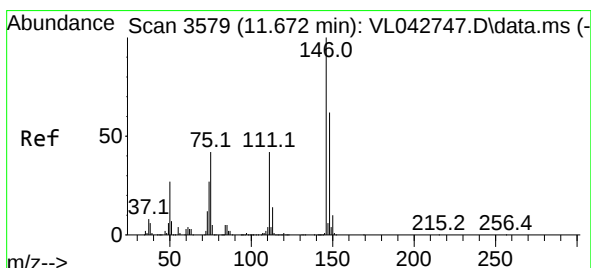
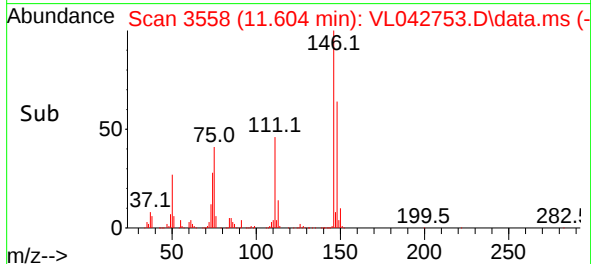
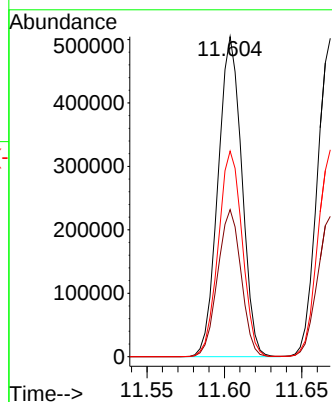
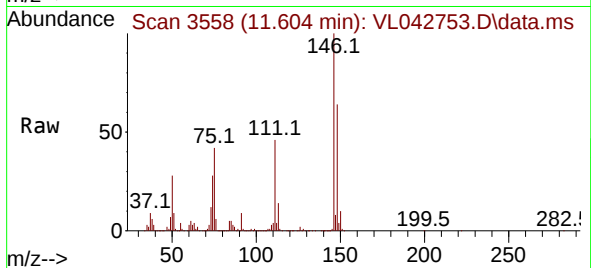
VSTDIC015

Tgt Ion:146 Resp: 539284
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.7 68.0
 148 64.6 31.9 95.5

Manual Integrations

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



#76

1,4-Dichlorobenzene

Concen: 15.188 ppbv

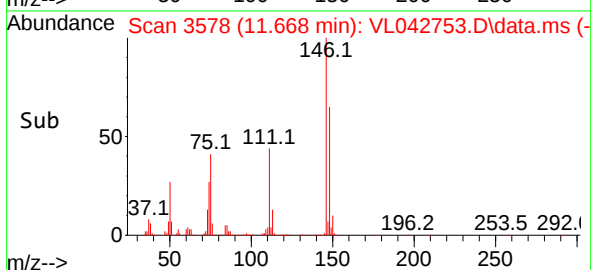
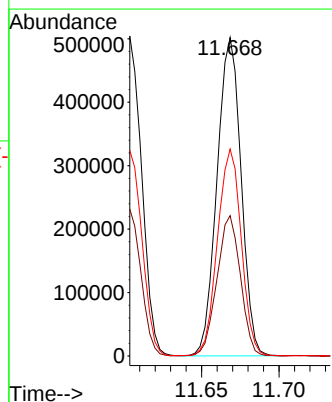
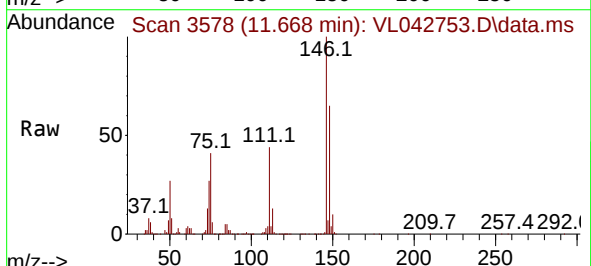
RT: 11.668 min Scan# 3578

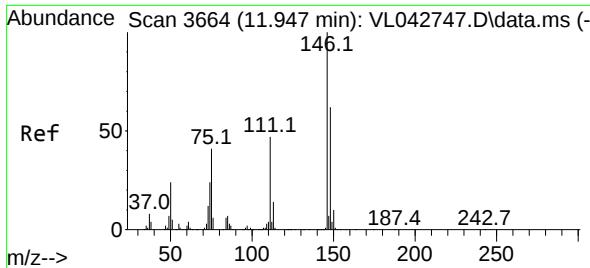
Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

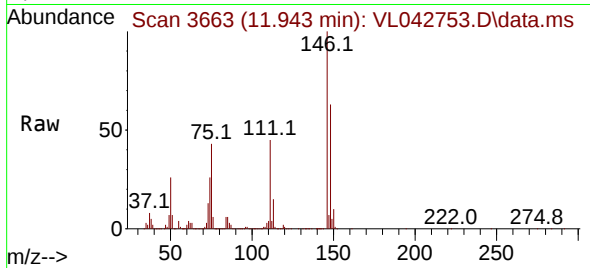
Tgt Ion:146 Resp: 542998
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.4 64.2
 148 64.3 32.1 96.3





#77
1,2-Dichlorobenzene
Concen: 14.390 ppbv
RT: 11.943 min Scan# 3663
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

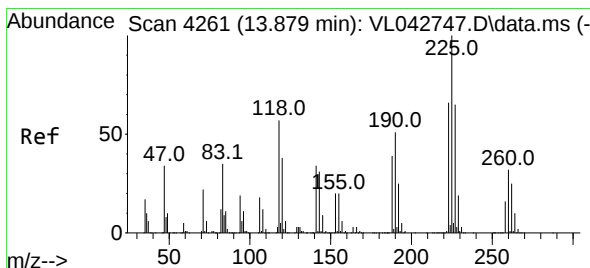
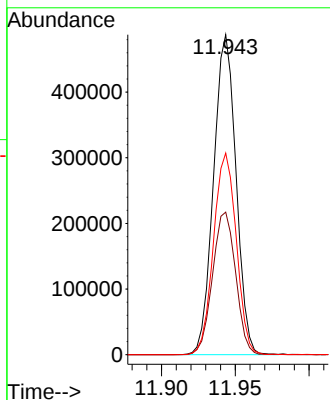
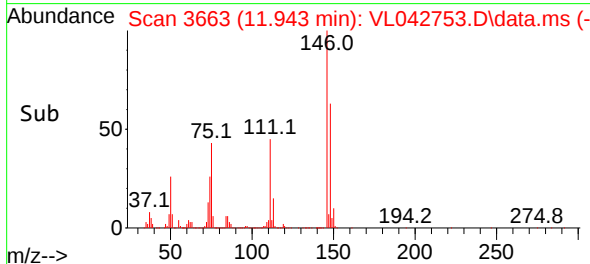
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



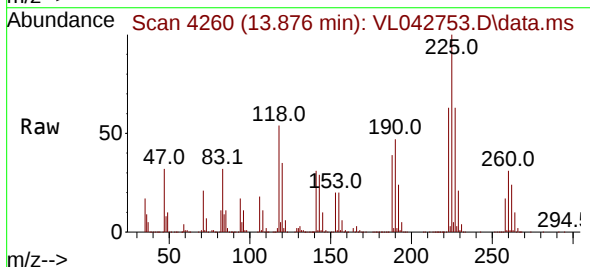
Tgt Ion:146 Resp: 516714
Ion Ratio Lower Upper
146 100
111 45.9 23.7 71.1
148 64.0 32.6 97.7

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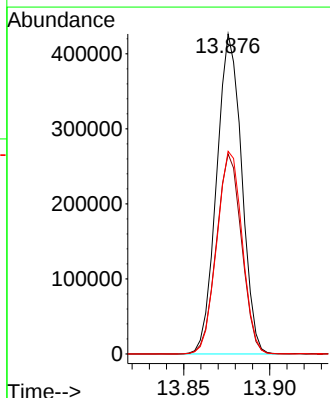
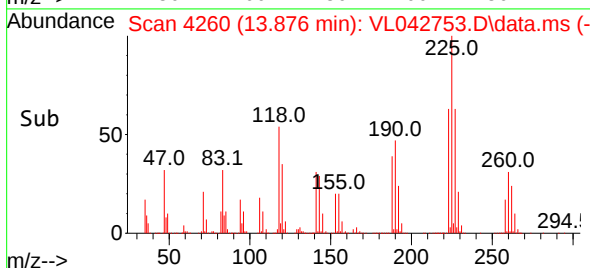
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

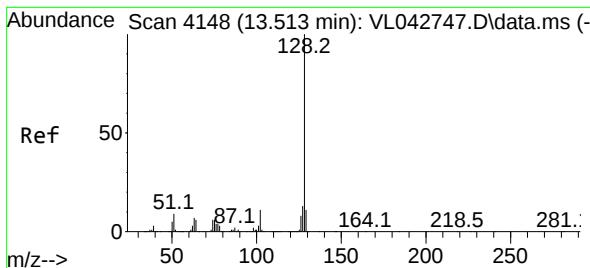


#78
Hexachloro-1,3-Butadiene
Concen: 13.296 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26



Tgt Ion:225 Resp: 432138
Ion Ratio Lower Upper
225 100
223 62.9 50.7 76.1
227 64.3 50.5 75.7





#79

Naphthalene

Concen: 15.265 ppbv

RT: 13.507 min Scan# 4146

Delta R.T. -0.006 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

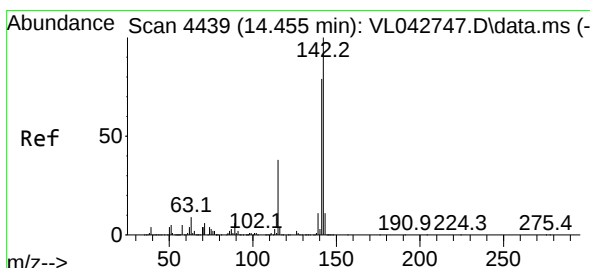
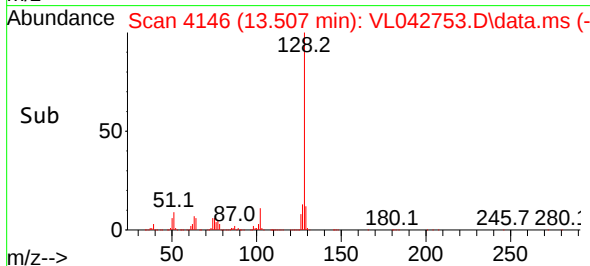
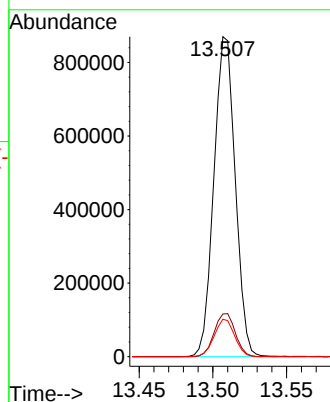
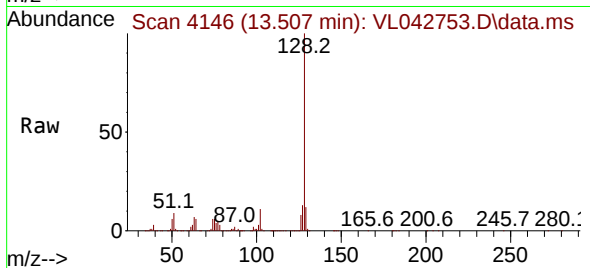
Tgt Ion:128 Resp: 876734

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.7	8.6	13.0

Manual Integrations

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



#80

Naphthalene,2-methyl-

Concen: 15.438 ppbv

RT: 14.452 min Scan# 4438

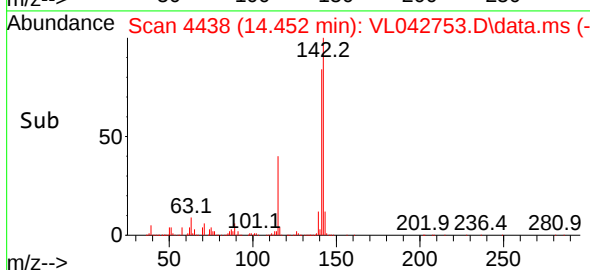
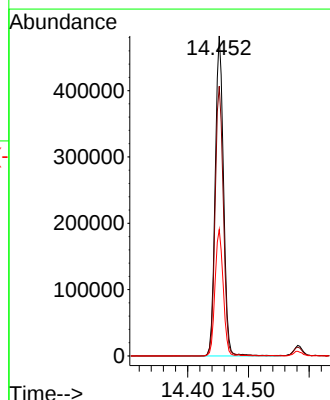
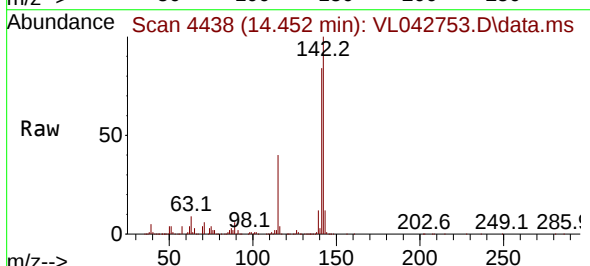
Delta R.T. -0.003 min

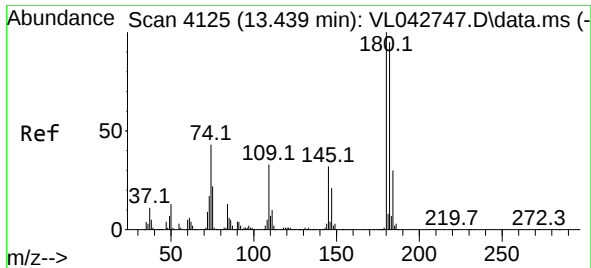
Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Tgt Ion:142 Resp: 456529

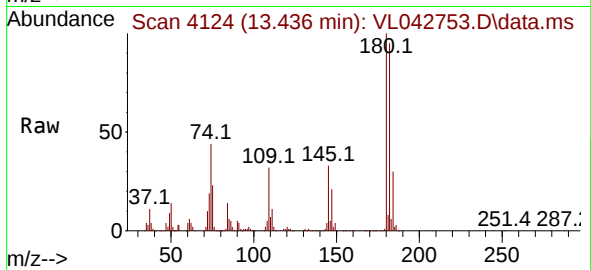
Ion	Ratio	Lower	Upper
142	100		
141	84.4	65.8	98.8
115	39.2	31.2	46.8





#81
 1,2,4-Trichlorobenzene
 Concen: 15.200 ppbv
 RT: 13.436 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:180 Resp: 490579
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.2 114.2
 184 30.3 24.8 37.2

Manual Integrations
 APPROVED

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

