

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042729.D
 Acq On : 22 Jul 2025 12:21
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

Quant Time: Jul 23 01:33:59 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 22 2025

QLast Update : Wed Jul 23 01:27:20 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	99043	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	297051	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	269432	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 222970 10.239 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	222638	14.400	ppbv	94
3) Chlorodifluoromethane	1.476	51	242459	13.854	ppbv	100
4) Chloromethane	1.534	50	86649	13.685	ppbv	99
5) Vinyl Chloride	1.580	62	79120	12.651	ppbv	97
6) Bromomethane	1.667	94	33418	13.203	ppbv	89
7) Chloroethane	1.706	64	32400	13.625	ppbv	94
8) Dichlorotetrafluoroethane	1.554	85	182429	13.988	ppbv	99
9) Propene	1.482	41	86778	13.949	ppbv	97
10) Heptane	4.978	43	240851	13.894	ppbv	98
11) Trichlorofluoromethane	1.877	101	226391	14.228	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.140	101	175363	14.085	ppbv	99
13) Ethanol	1.722	45	9327m	9.319	ppbv	
14) Bromoethene	1.784	108	62800	14.148	ppbv	99
15) Acetone	1.835	43	189421	11.422	ppbv	97
16) 1,3-Butadiene	1.609	39	96247	13.551	ppbv	99
17) tert-Butyl alcohol	2.039	59	212776	13.513	ppbv	98
18) 1,1-Dichloroethene	2.036	96	75311	14.224	ppbv	95
19) Isopropyl Alcohol	1.884	45	117867	13.411	ppbv	100
20) Methylene Chloride	2.062	84	62676	12.023	ppbv #	92
21) Allyl Chloride	2.097	41	151161	14.219	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	85455	14.025	ppbv	94
23) Vinyl Acetate	2.460	43	275470	14.570	ppbv	99
24) 1,1-Dichloroethane	2.408	63	179068	14.742	ppbv	98
25) Ethyl Acetate	2.832	43	434297	14.192	ppbv	99
26) Hexane	2.826	57	187577	13.972	ppbv	98
27) Carbon Disulfide	2.149	76	207684	14.484	ppbv	99
28) Methyl tert-Butyl Ether	2.441	73	110848	14.204	ppbv	99
29) Chloroform	2.848	83	309996	13.984	ppbv	96
30) Cyclohexane	3.855	84	172281	14.707	ppbv	99
31) cis-1,2-Dichloroethene	2.722	61	204971	14.180	ppbv	98
32) 1,1,1-Trichloroethane	3.369	97	331907	14.219	ppbv	99
34) 2-Butanone	2.554	43	283055	13.838	ppbv	98
35) Carbon Tetrachloride	3.764	117	342291	14.064	ppbv	95
36) Benzene	3.654	78	396921	14.383	ppbv	97
37) 1,2-Dichloroethane	3.217	62	265316	15.072	ppbv	100
38) Trichloroethene	4.548	130	181288	13.493	ppbv	94
39) 1,2-Dichloropropane	4.311	63	140198	13.644	ppbv	95
40) 1,4-Dioxane	4.577	88	65044m	13.738	ppbv	
41) Tetrahydrofuran	3.052	42	150470	14.393	ppbv	98
42) Bromodichloromethane	4.489	83	349917	15.189	ppbv	100
43) Methyl Methacrylate	4.881	69	155562	14.697	ppbv	98
44) 2,2,4-Trimethylpentane	4.641	57	644648	14.163	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	200532	15.406	ppbv	100

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Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

Quant Time: Jul 23 01:33:59 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M

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

QLast Update : Wed Jul 23 01:27:20 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.599	75	235485	15.233	ppbv	98
47) 1,1,2-Trichloroethane	6.583	97	158927	14.117	ppbv	94
48) Dibromochloromethane	7.389	129	289101	15.452	ppbv	99
49) Bromoform	9.483	173	254735	15.690	ppbv	100
50) 4-Methyl-2-Pentanone	5.745	43	397641	14.776	ppbv	100
51) 2-Hexanone	7.435	43	330521	15.351	ppbv	98
52) Tetrachloroethene	8.228	164	155202	13.956	ppbv	98
53) Toluene	6.936	91	460726	14.807	ppbv	100
54) 1,2-Dibromoethane	7.655	107	238272	14.163	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.927	131	207220	14.275	ppbv	99
57) Chlorobenzene	8.924	112	357855	13.934	ppbv	99
58) Ethyl Benzene	9.357	91	661380	14.694	ppbv	100
59) m/p-Xylene	9.555	91	1060304m	29.396	ppbv	
60) o-Xylene	9.966	91	525682	14.460	ppbv	99
61) Styrene	9.872	104	238735	15.245	ppbv	99
62) Isopropylbenzene	10.542	105	770252	14.252	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	283603	13.644	ppbv	100
64) n-propylbenzene	10.992	120	201063	14.748	ppbv	96
65) tert-Butylbenzene	11.532	119	682674	14.116	ppbv	99
66) Benzyl Chloride	11.616	91	81061	17.637	ppbv	98
67) sec-Butylbenzene	11.769	105	960046	14.452	ppbv	100
69) p-Isopropyltoluene	11.927	119	823611	14.802	ppbv	99
70) n-Butylbenzene	12.283	91	815822	15.341	ppbv	99
71) 2-Chlorotoluene	10.901	91	598050	14.598	ppbv	99
72) 4-Ethyltoluene	11.128	105	656672	15.147	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	549188	15.316	ppbv	96
74) 1,2,4-Trimethylbenzene	11.539	105	595156	15.128	ppbv	98
75) 1,3-Dichlorobenzene	11.610	146	375000	14.254	ppbv	98
76) 1,4-Dichlorobenzene	11.671	146	373186	14.665	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	358122	14.199	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	314656	12.817	ppbv	99
79) Naphthalene	13.513	128	622427	21.221	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	328484	34.044	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	337229	18.788	ppbv	99

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

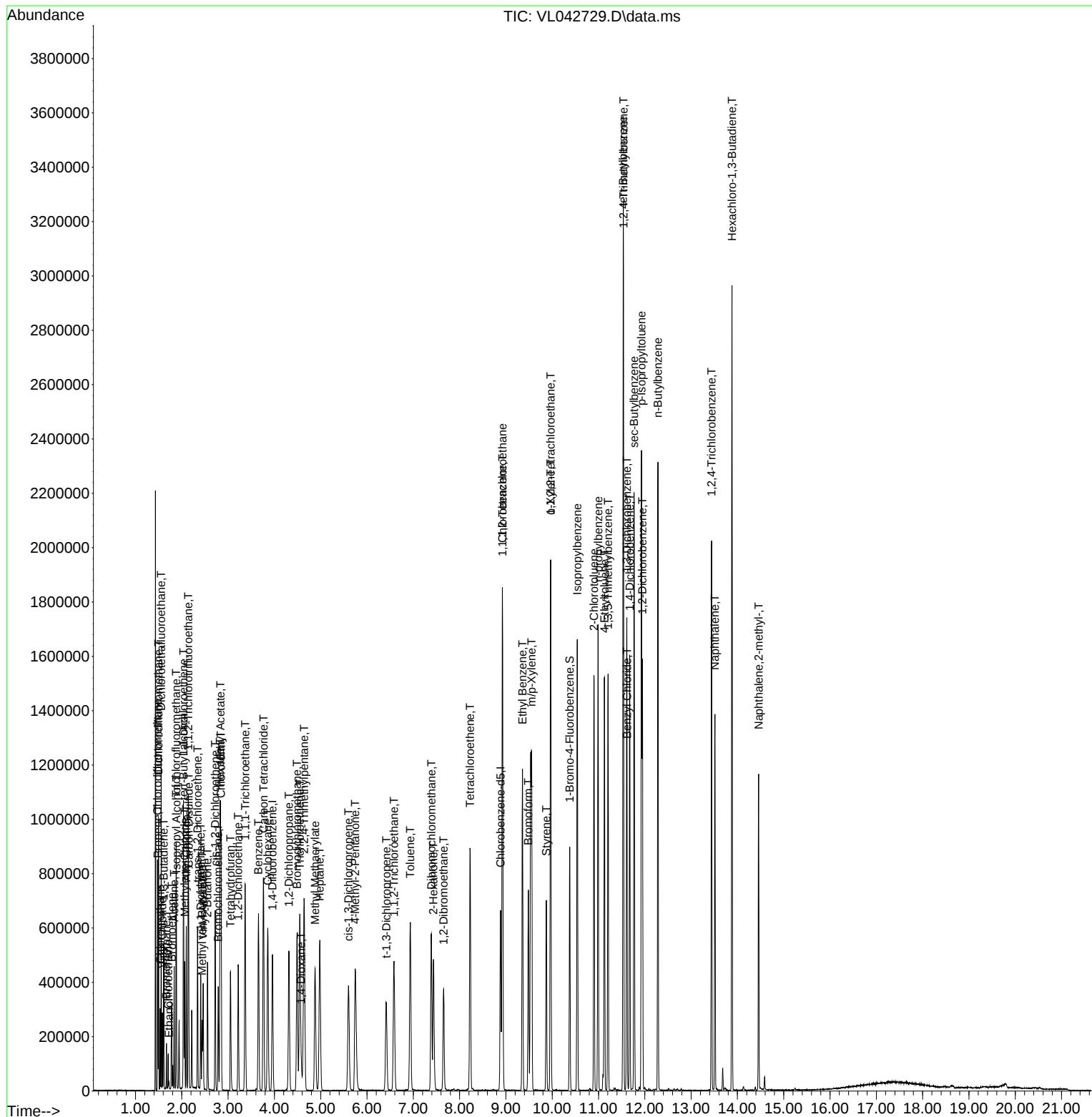
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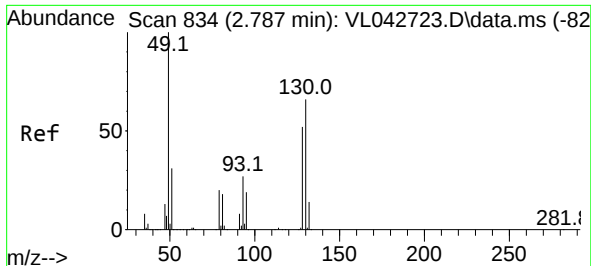
Instrument :
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 ClientSampleId :
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Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/23/2025
 Supervised By : Mahesh Dadoda 07/23/2025

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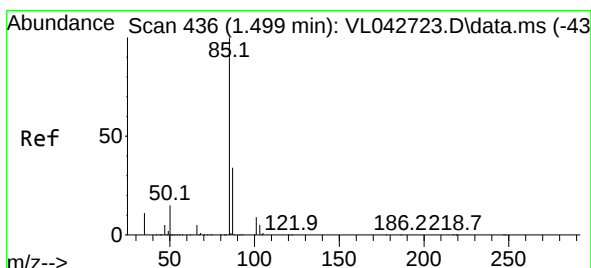
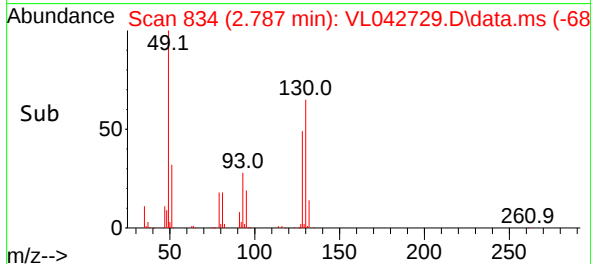
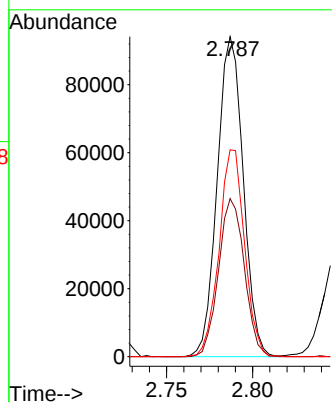
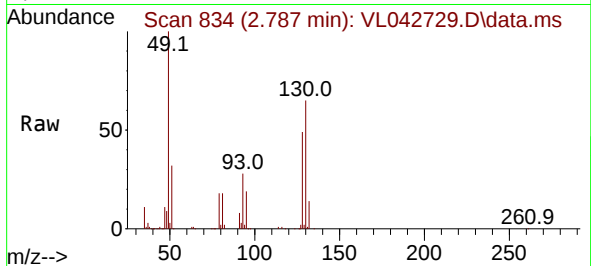
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 49 Resp: 9904
Ion Ratio Lower Upper
49 100
128 49.0 24.5 73.5
130 63.2 31.7 95.1

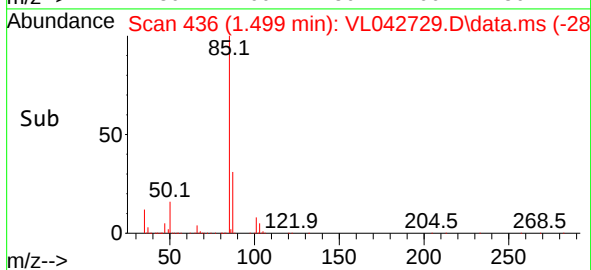
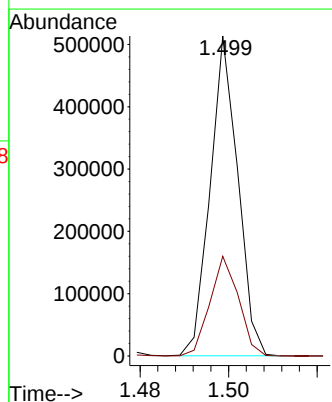
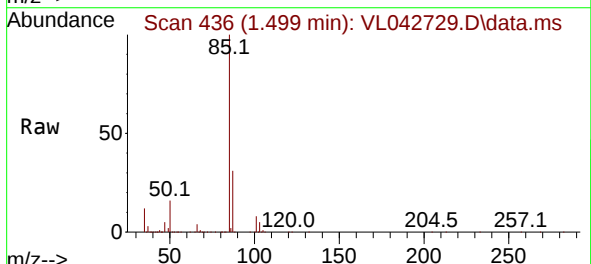
Manual Integrations
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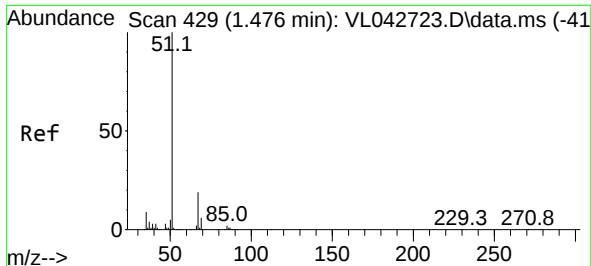
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#2
Dichlorodifluoromethane
Concen: 14.400 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

Tgt Ion: 85 Resp: 222638
Ion Ratio Lower Upper
85 100
87 31.2 27.5 41.3





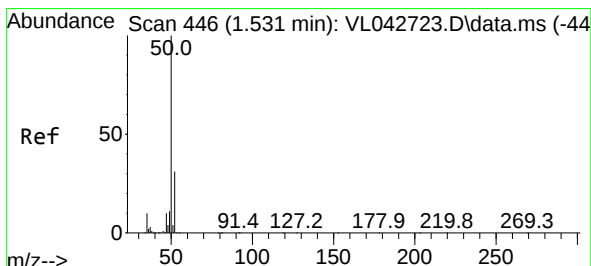
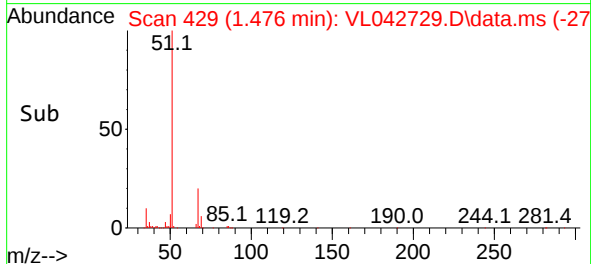
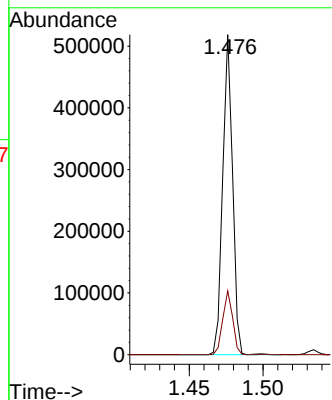
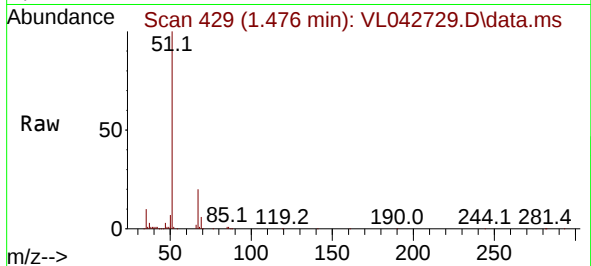
#3
Chlorodifluoromethane
Concen: 13.854 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 51 Resp: 242459
Ion Ratio Lower Upper
51 100
67 20.2 16.0 24.0

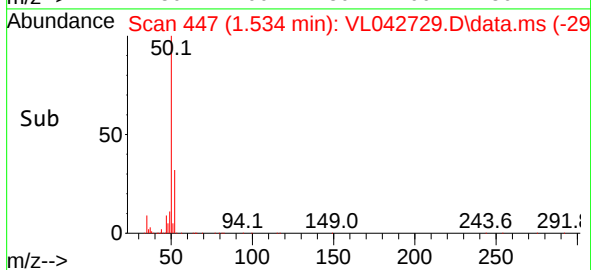
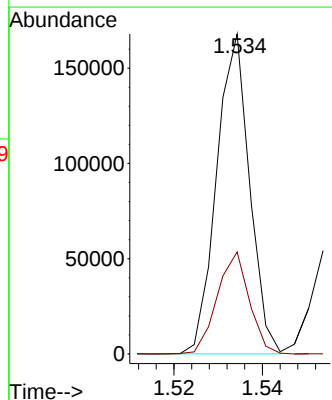
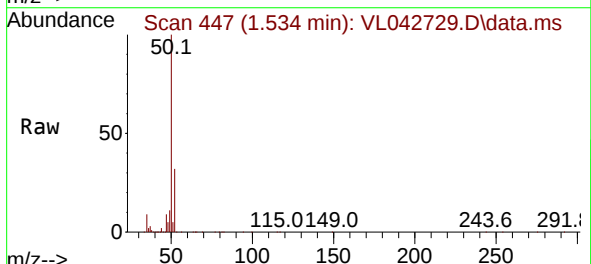
Manual Integrations
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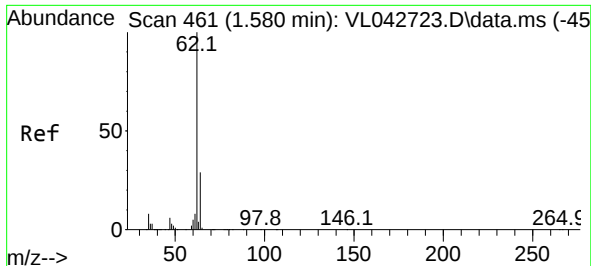
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#4
Chloromethane
Concen: 13.685 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

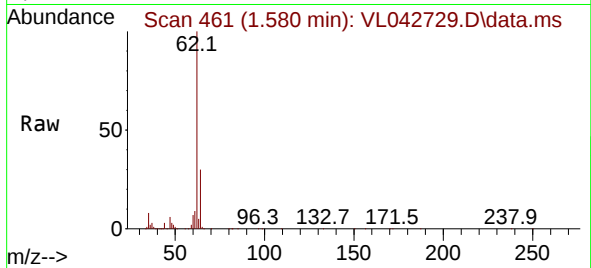
Tgt Ion: 50 Resp: 86649
Ion Ratio Lower Upper
50 100
52 31.8 24.9 37.3





#5
 Vinyl Chloride
 Concen: 12.651 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042729.D
 Acq: 22 Jul 2025 12:21

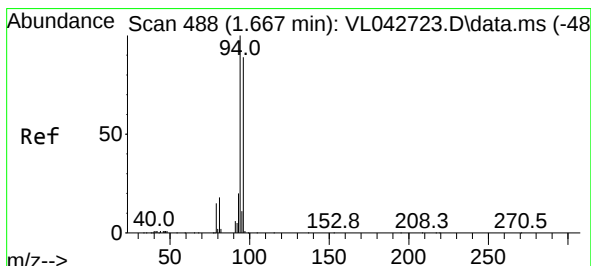
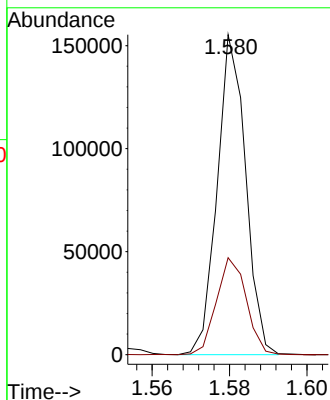
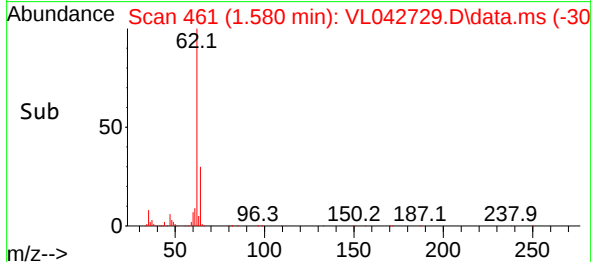
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



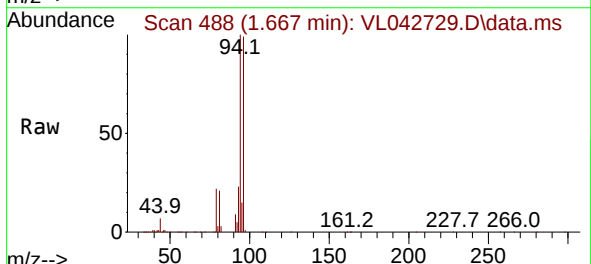
Tgt Ion: 62 Resp: 79120
 Ion Ratio Lower Upper
 62 100
 64 30.3 23.0 34.6

Manual Integrations
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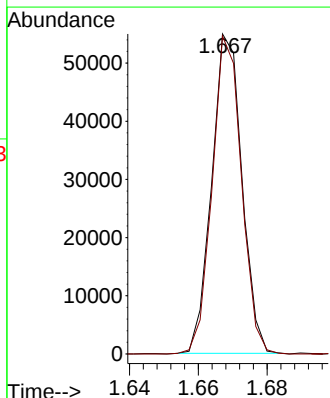
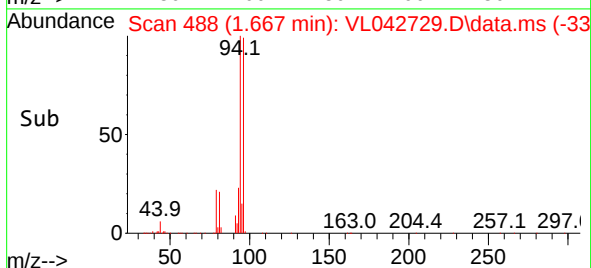
Reviewed By :Semsettin Yesilyurt 07/23/2025
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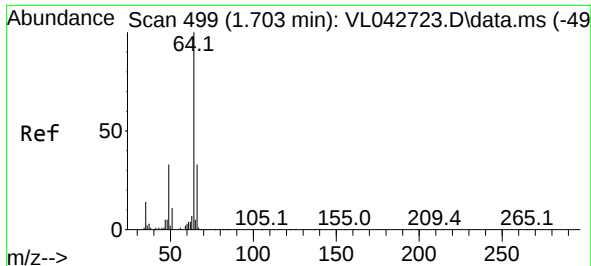


#6
 Bromomethane
 Concen: 13.203 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042729.D
 Acq: 22 Jul 2025 12:21



Tgt Ion: 94 Resp: 33418
 Ion Ratio Lower Upper
 94 100
 96 99.4 71.1 106.7





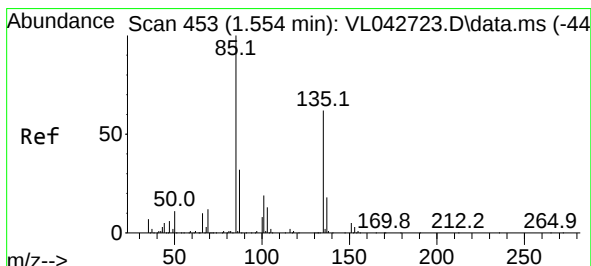
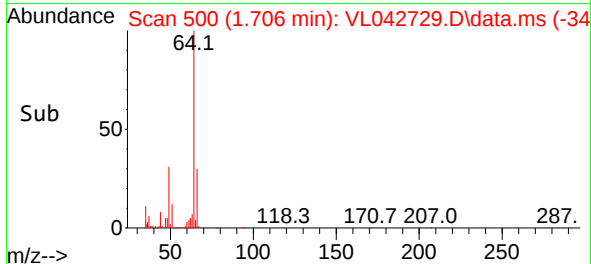
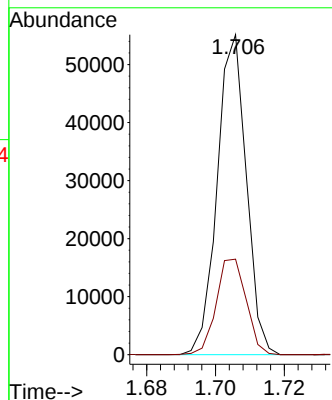
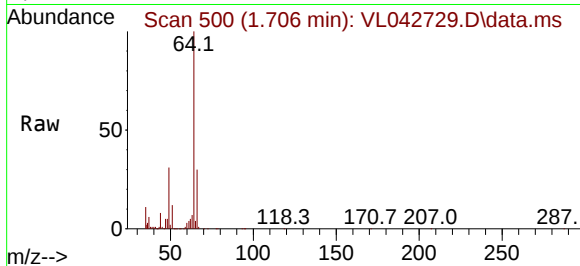
#7
Chloroethane
Concen: 13.625 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 64 Resp: 32400
Ion Ratio Lower Upper
64 100
66 29.9 26.4 39.6

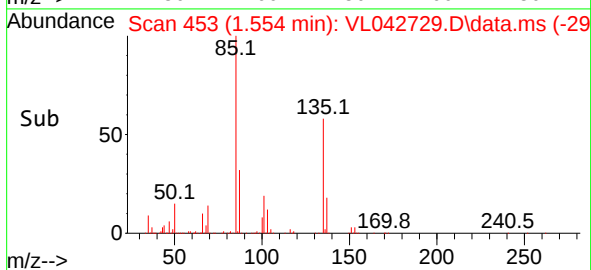
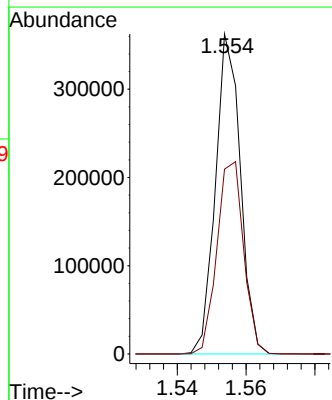
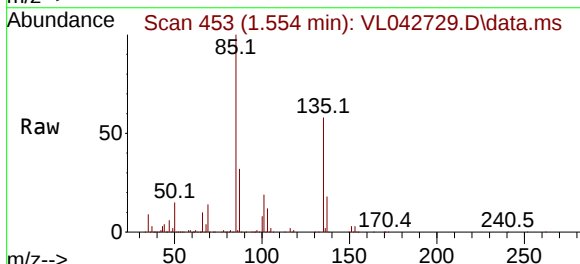
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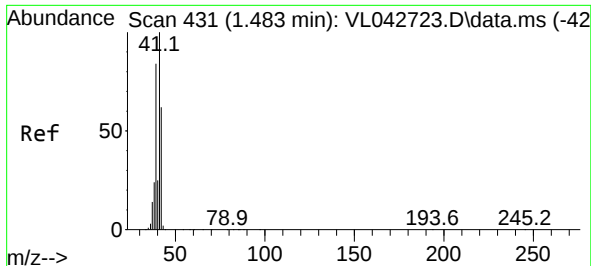
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#8
Dichlorotetrafluoroethane
Concen: 13.988 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

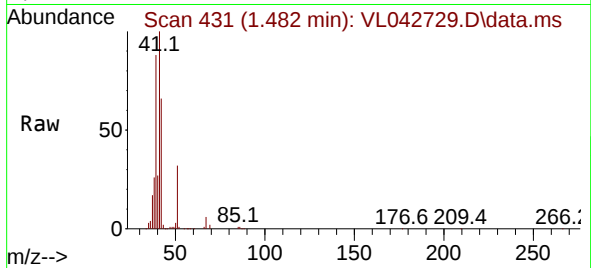
Tgt Ion: 85 Resp: 182429
Ion Ratio Lower Upper
85 100
135 64.6 52.0 78.0





#9
 Propene
 Concen: 13.949 ppbv
 RT: 1.482 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042729.D
 Acq: 22 Jul 2025 12:21

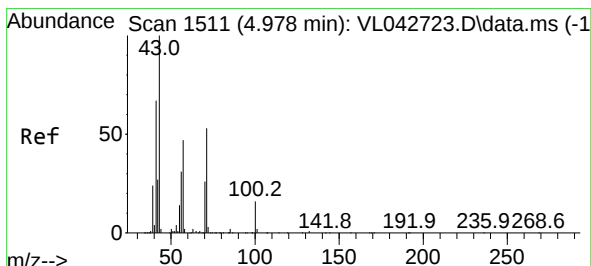
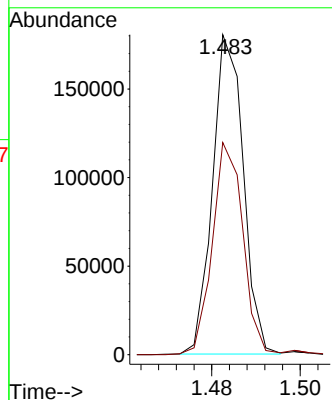
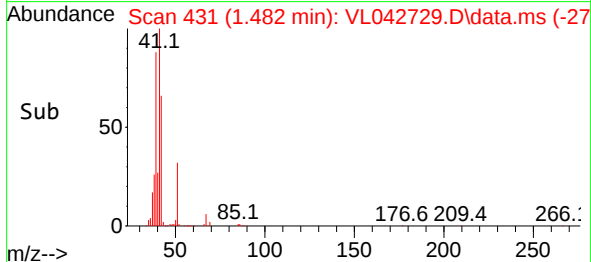
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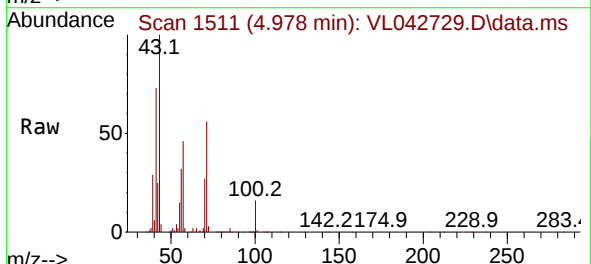
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 Ion Ratio Lower Upper
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 42 67.4 52.0 78.0

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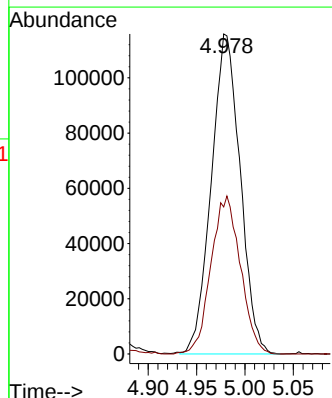
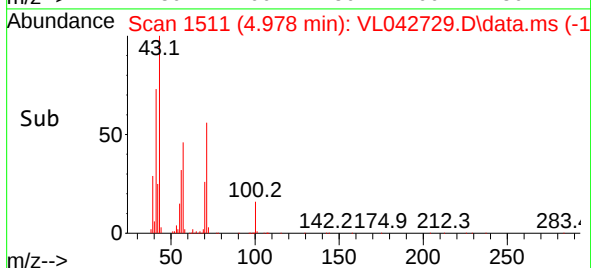
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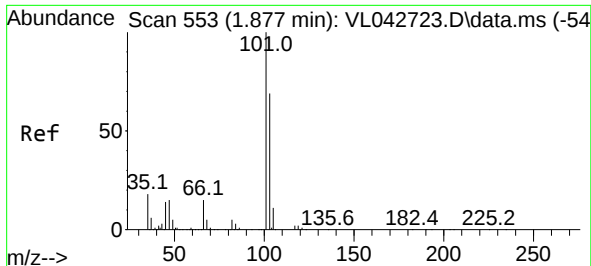


#10
 Heptane
 Concen: 13.894 ppbv
 RT: 4.978 min Scan# 1511
 Delta R.T. -0.000 min
 Lab File: VL042729.D
 Acq: 22 Jul 2025 12:21



Tgt Ion: 43 Resp: 240851
 Ion Ratio Lower Upper
 43 100
 57 50.1 39.1 58.7





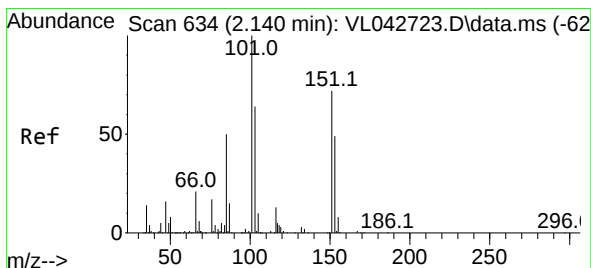
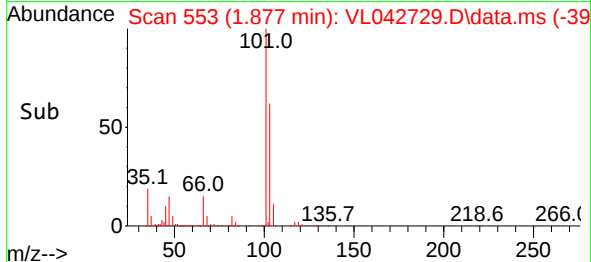
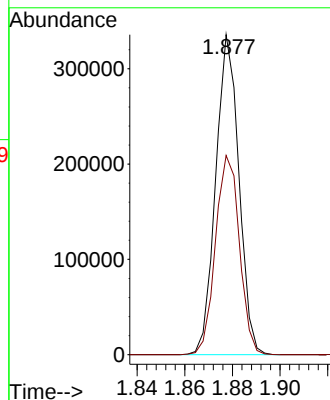
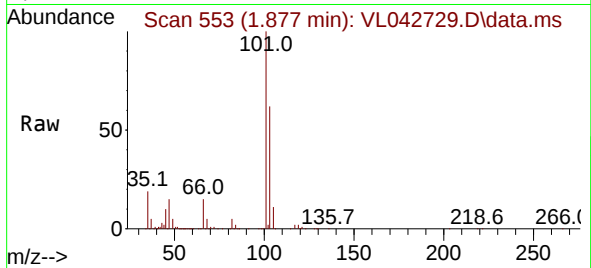
#11
Trichlorofluoromethane
Concen: 14.228 ppbv
RT: 1.877 min Scan# 553
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:101 Resp: 22639
Ion Ratio Lower Upper
101 100
103 62.3 55.2 82.8

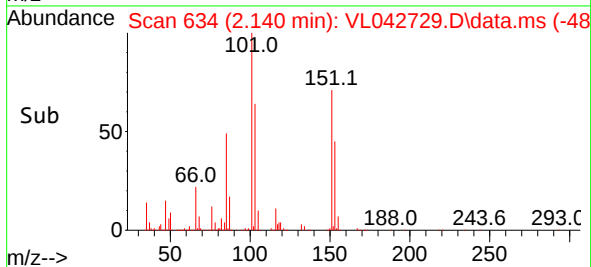
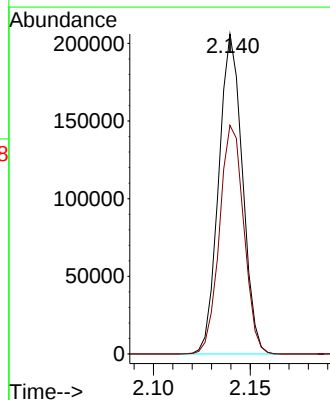
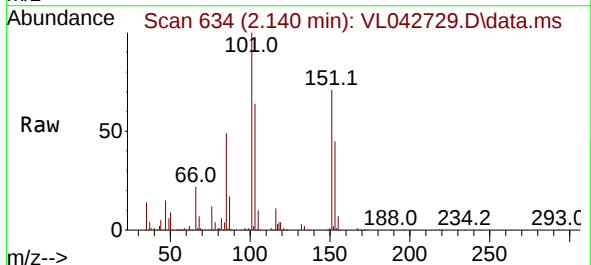
Manual Integrations
APPROVED

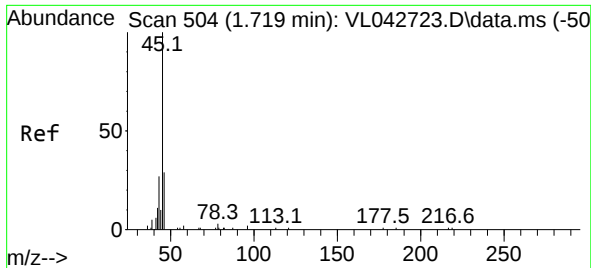
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.085 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

Tgt Ion:101 Resp: 175363
Ion Ratio Lower Upper
101 100
151 73.2 59.1 88.7





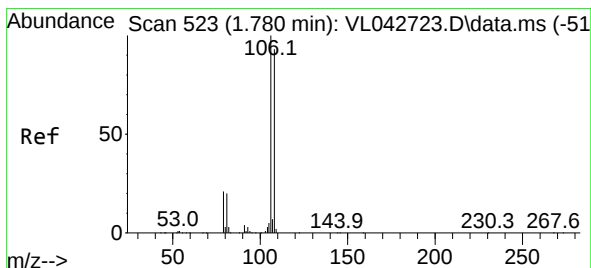
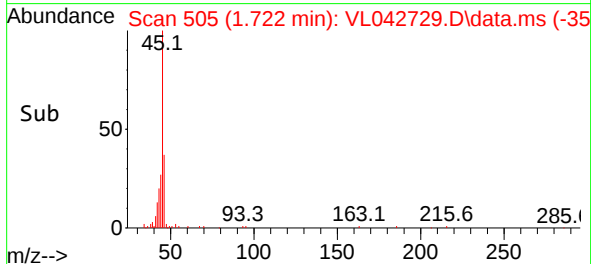
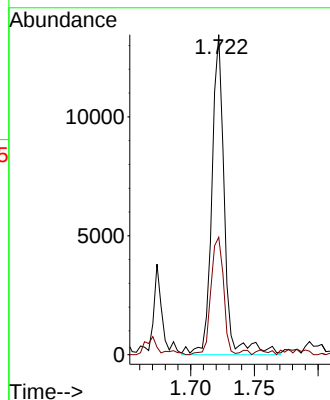
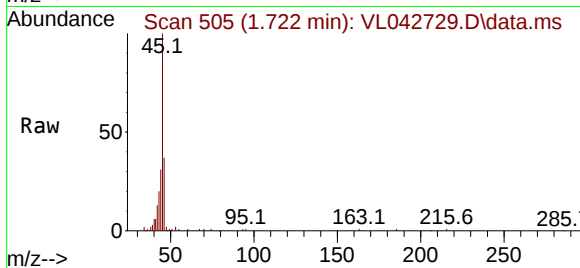
#13
Ethanol
Concen: 9.319 ppbv m
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 932
Ion Ratio Lower Upper
45 100
46 37.2 16.3 65.1

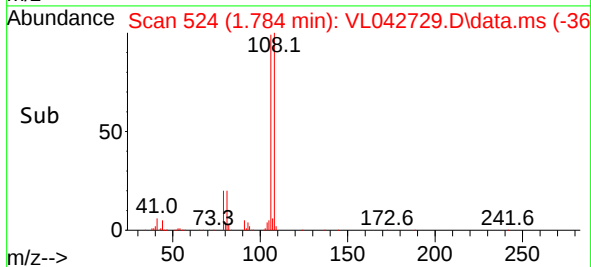
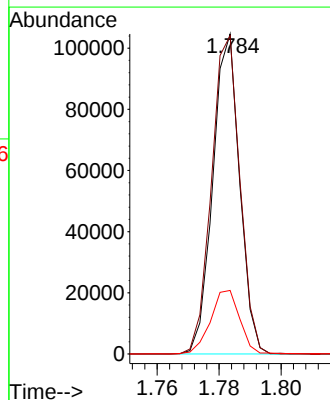
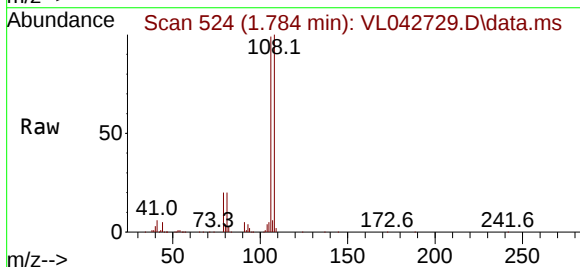
Manual Integrations
APPROVED

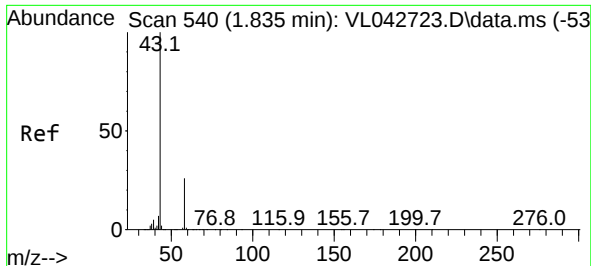
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#14
Bromoethene
Concen: 14.148 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

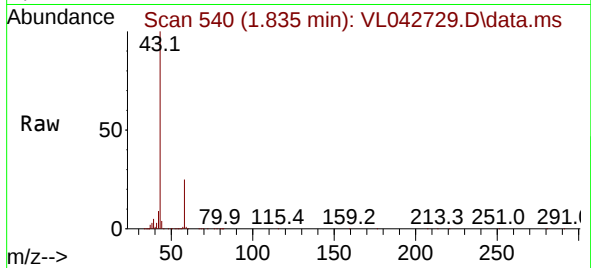
Tgt Ion:108 Resp: 62800
Ion Ratio Lower Upper
108 100
106 105.1 85.4 128.0
79 22.1 17.4 26.2





#15
 Acetone
 Concen: 11.422 ppbv
 RT: 1.835 min Scan# 540
 Delta R.T. -0.000 min
 Lab File: VL042729.D
 Acq: 22 Jul 2025 12:21

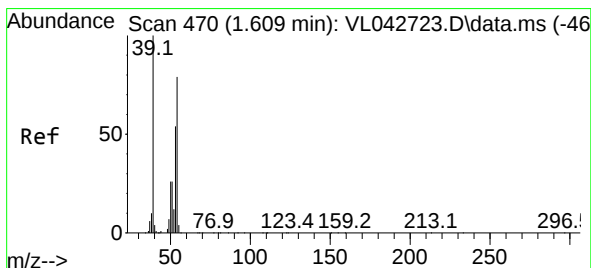
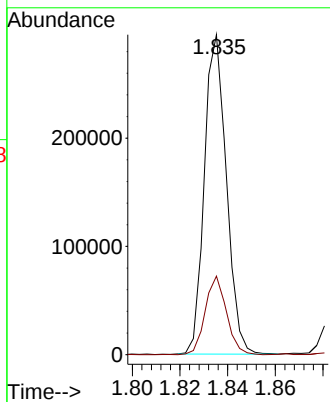
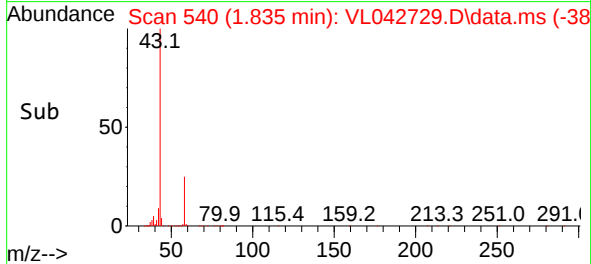
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



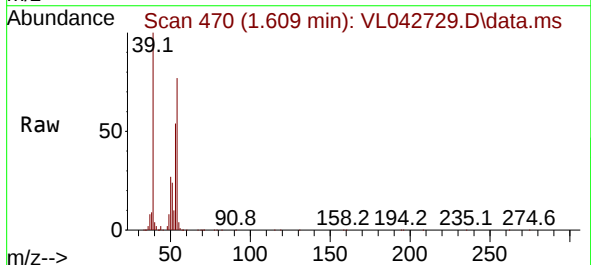
Tgt Ion: 43 Resp: 18942
 Ion Ratio Lower Upper
 43 100
 58 24.0 20.5 30.7

Manual Integrations
 APPROVED

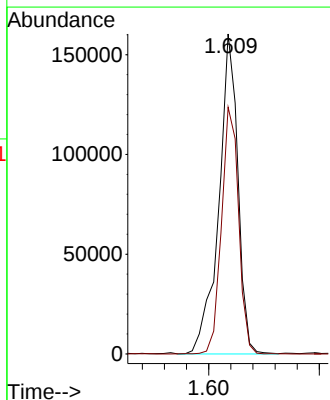
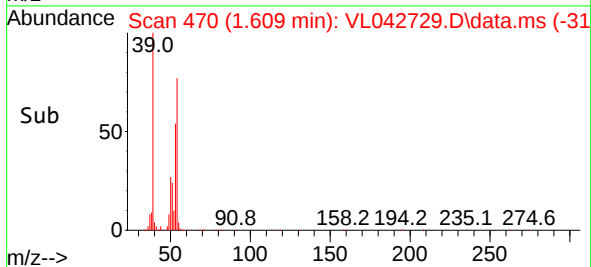
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

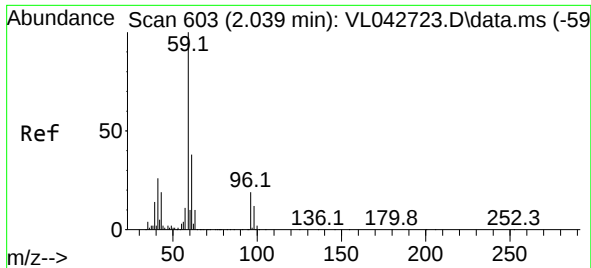


#16
 1,3-Butadiene
 Concen: 13.551 ppbv
 RT: 1.609 min Scan# 470
 Delta R.T. -0.000 min
 Lab File: VL042729.D
 Acq: 22 Jul 2025 12:21



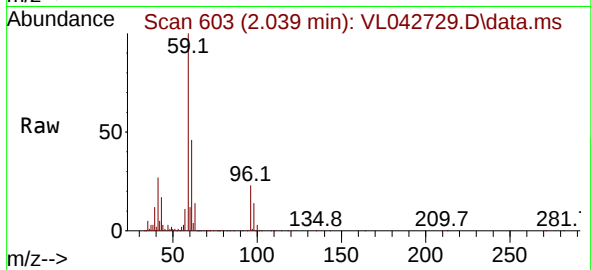
Tgt Ion: 39 Resp: 96247
 Ion Ratio Lower Upper
 39 100
 54 69.0 54.6 82.0





#17
tert-Butyl alcohol
Concen: 13.513 ppbv
RT: 2.039 min Scan# 603
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

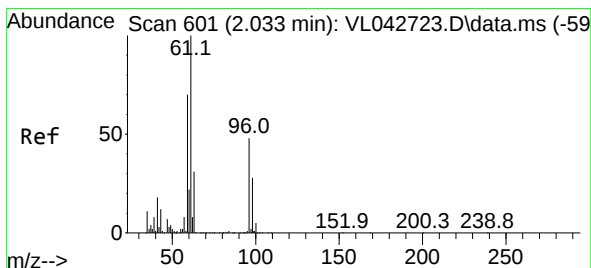
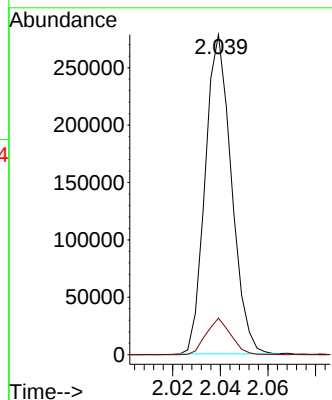
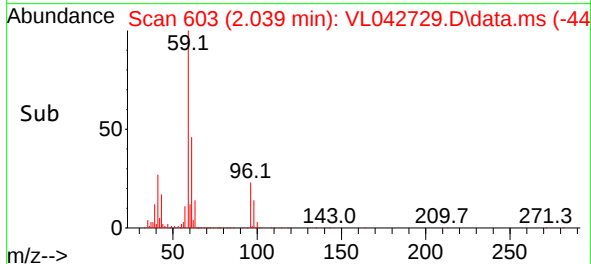
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



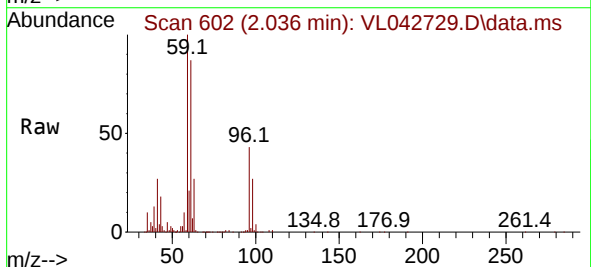
Tgt Ion: 59 Resp: 212770
Ion Ratio Lower Upper
59 100
57 10.8 9.1 13.7

Manual Integrations
APPROVED

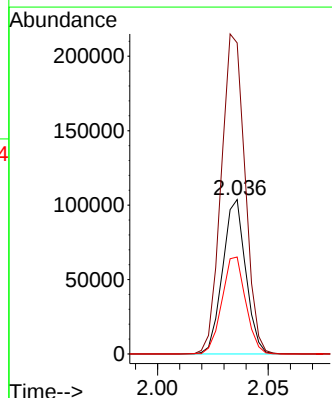
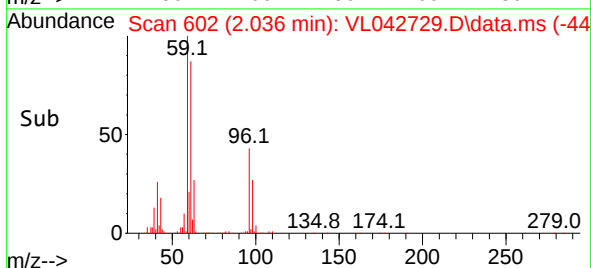
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

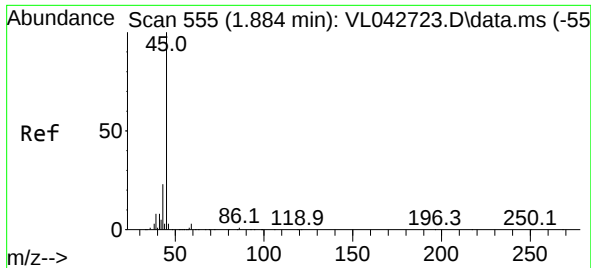


#18
1,1-Dichloroethene
Concen: 14.224 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21



Tgt Ion: 96 Resp: 75311
Ion Ratio Lower Upper
96 100
61 201.5 166.2 249.4
98 62.8 46.1 69.1





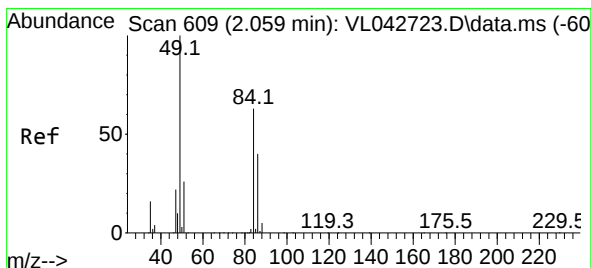
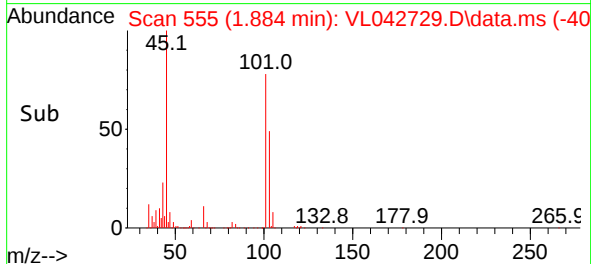
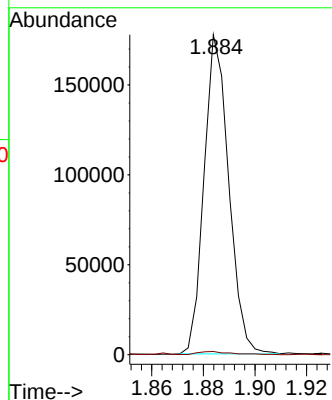
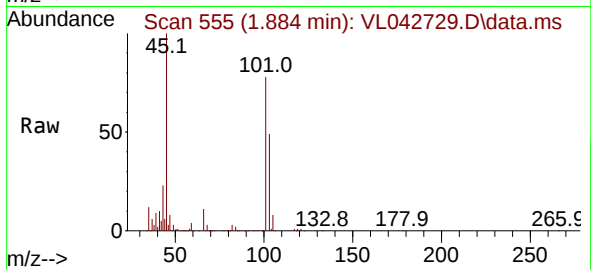
#19
Isopropyl Alcohol
Concen: 13.411 ppbv
RT: 1.884 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 11786
Ion Ratio Lower Upper
45 100
58 38.6 30.6 46.0

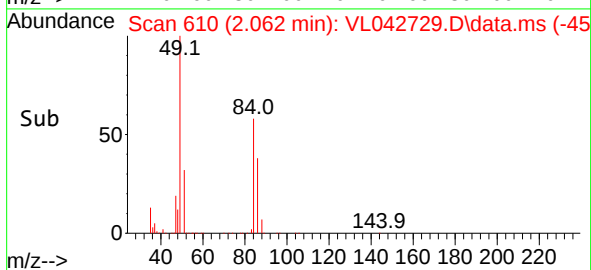
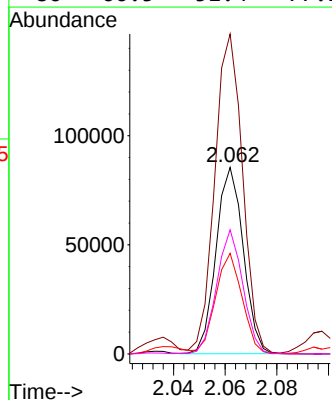
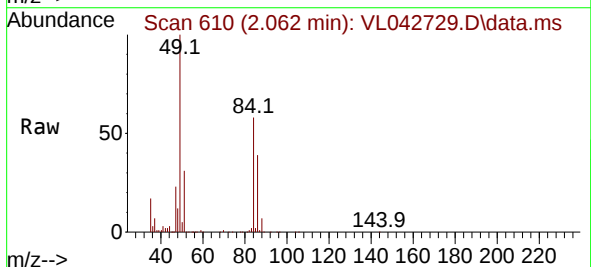
Manual Integrations
APPROVED

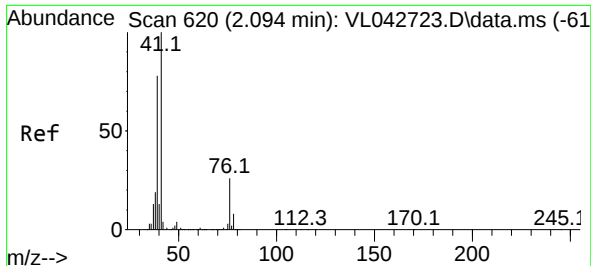
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#20
Methylene Chloride
Concen: 12.023 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

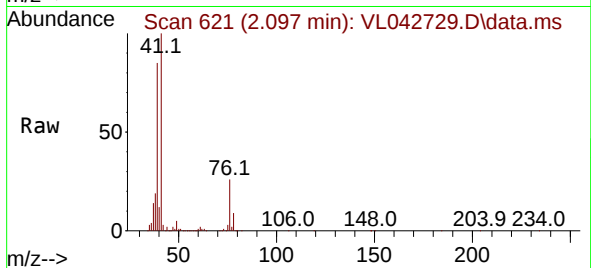
Tgt Ion: 84 Resp: 62676
Ion Ratio Lower Upper
84 100
49 171.3 128.2 192.4
51 53.7 34.5 51.7#
86 66.5 51.4 77.2





#21
 Allyl Chloride
 Concen: 14.219 ppbv
 RT: 2.097 min Scan# 611
 Delta R.T. 0.003 min
 Lab File: VL042729.D
 Acq: 22 Jul 2025 12:21

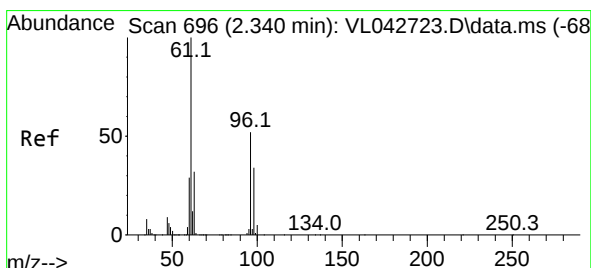
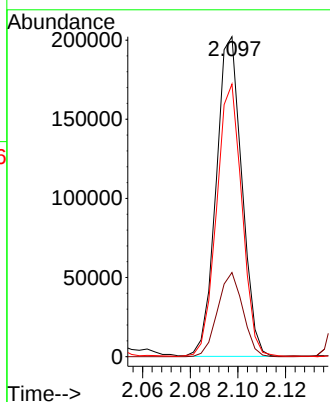
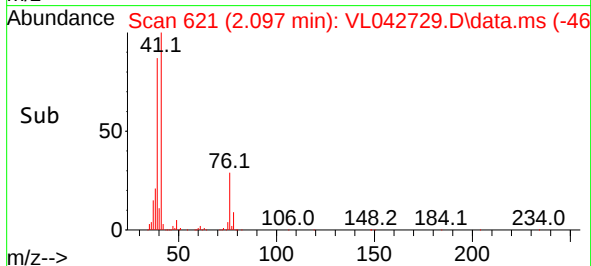
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 41 Resp: 15116
 Ion Ratio Lower Upper
 41 100
 76 25.8 22.1 33.1
 39 83.9 64.7 97.1

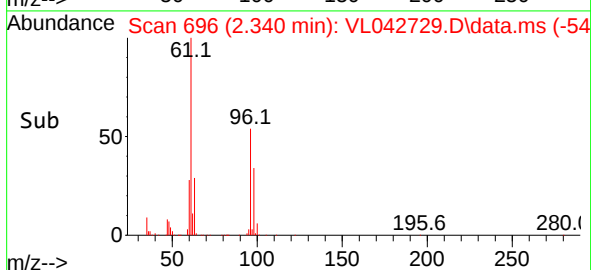
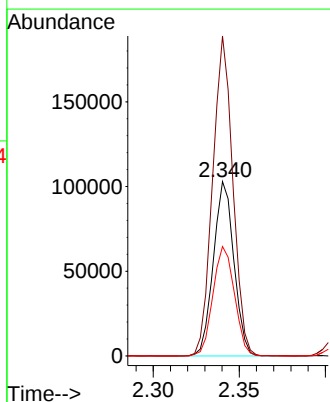
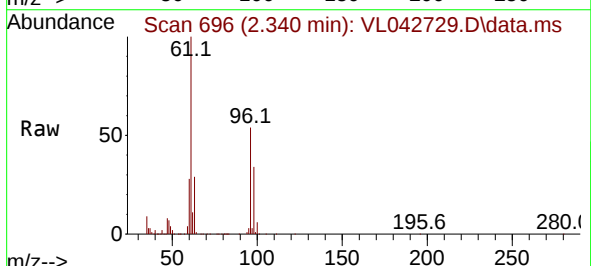
Manual Integrations
 APPROVED

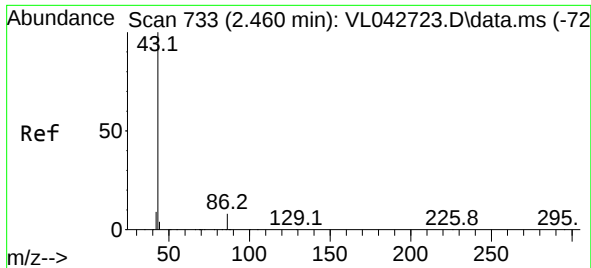
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#22
 trans-1,2-Dichloroethene
 Concen: 14.025 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.000 min
 Lab File: VL042729.D
 Acq: 22 Jul 2025 12:21

Tgt Ion: 96 Resp: 85455
 Ion Ratio Lower Upper
 96 100
 61 183.5 154.6 232.0
 98 62.8 53.1 79.7





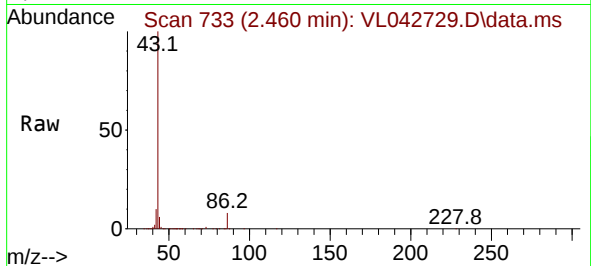
#23
 Vinyl Acetate
 Concen: 14.570 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042729.D
 Acq: 22 Jul 2025 12:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

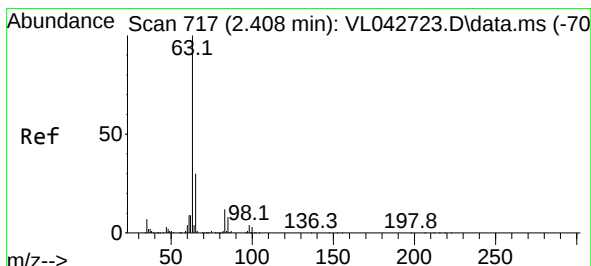
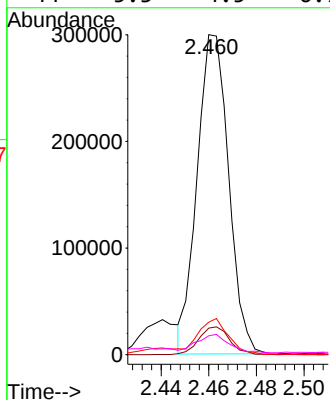
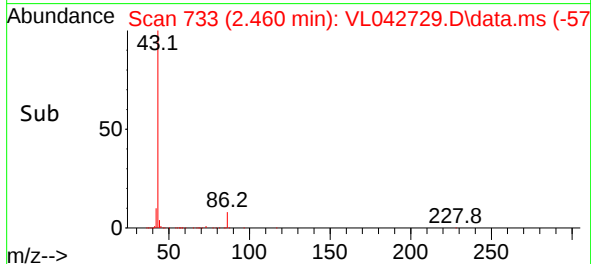


Tgt Ion: 43 Resp: 275470
 Ion Ratio Lower Upper
 43 100
 86 8.4 5.7 8.5
 42 10.0 7.9 11.9
 44 5.3 4.5 6.7

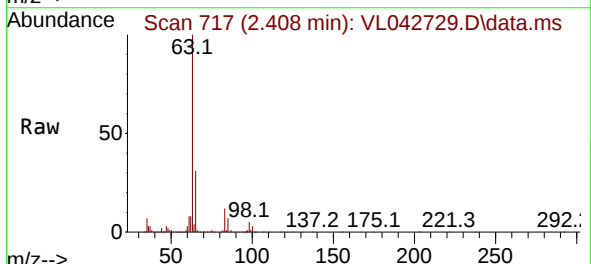
Manual Integrations

APPROVED

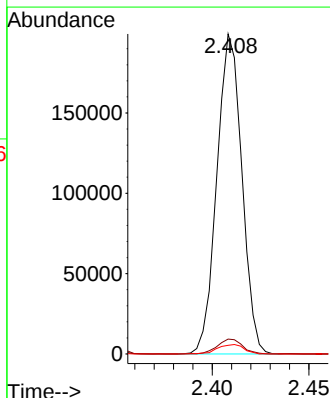
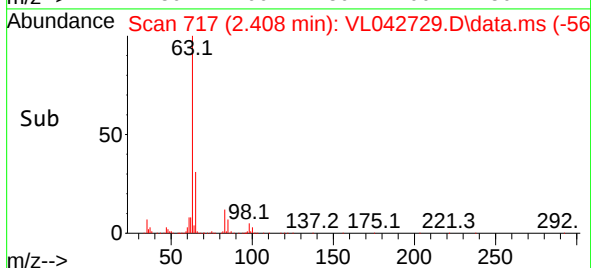
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

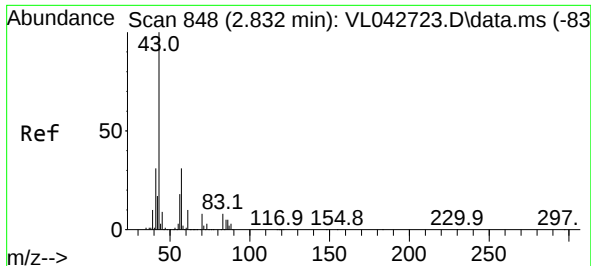


#24
 1,1-Dichloroethane
 Concen: 14.742 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042729.D
 Acq: 22 Jul 2025 12:21



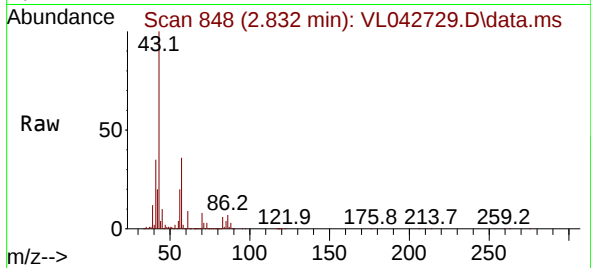
Tgt Ion: 63 Resp: 179068
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.0 5.8
 100 2.7 1.6 4.7





#25
Ethyl Acetate
Concen: 14.192 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

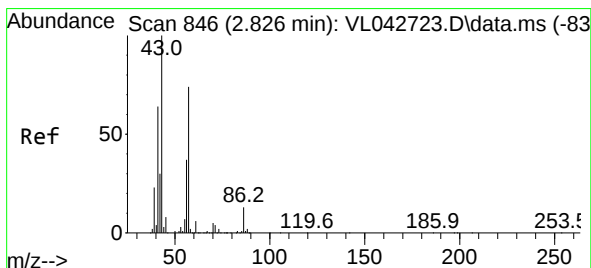
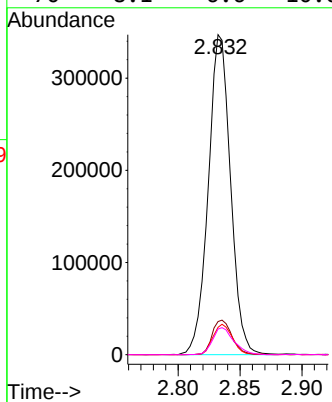
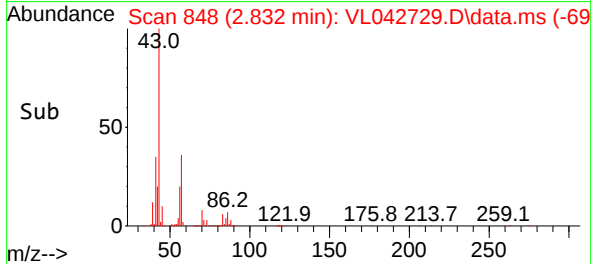
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 43 Resp: 434297
Ion Ratio Lower Upper
43 100
45 9.7 7.8 11.6
61 8.5 7.0 10.6
70 8.1 6.6 10.0

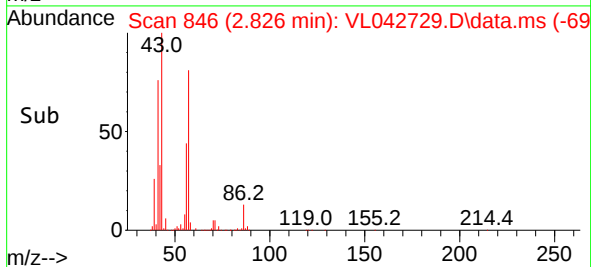
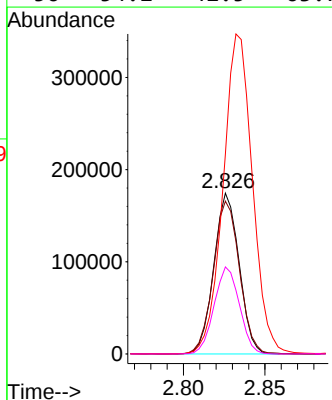
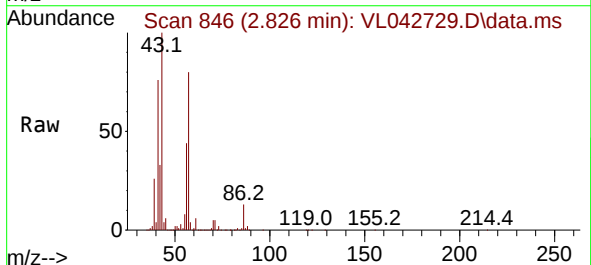
Manual Integrations
APPROVED

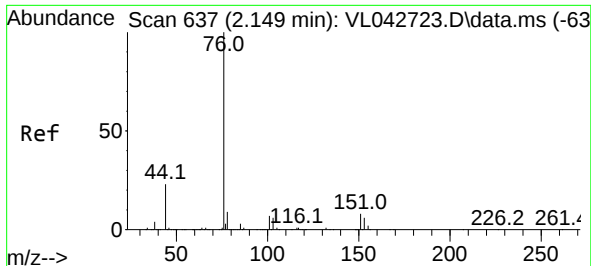
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#26
Hexane
Concen: 13.972 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

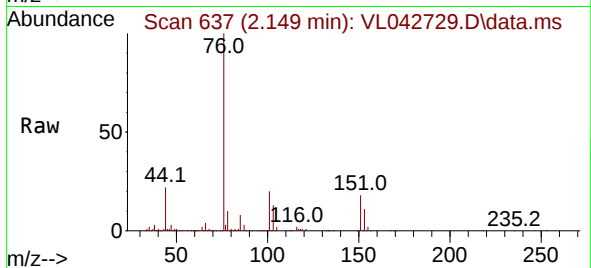
Tgt Ion: 57 Resp: 187577
Ion Ratio Lower Upper
57 100
41 98.7 77.3 115.9
43 232.4 182.3 273.5
56 54.2 42.5 63.7





#27
Carbon Disulfide
Concen: 14.484 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

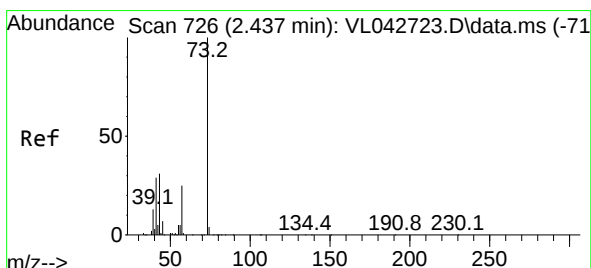
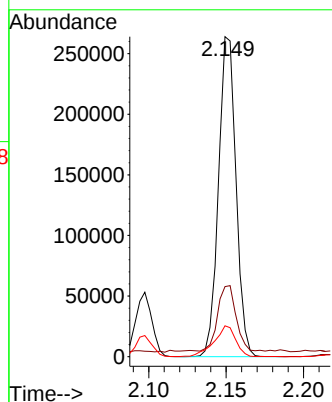
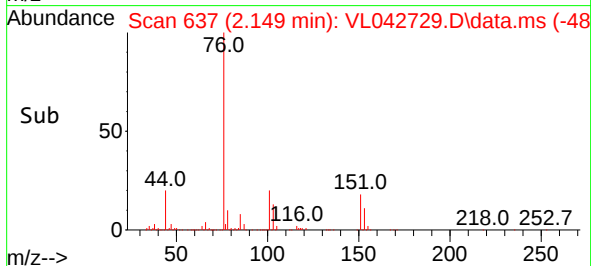
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



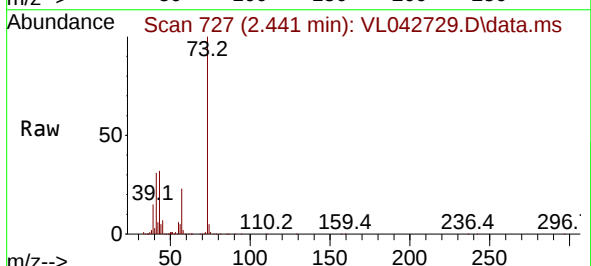
Tgt Ion: 76 Resp: 207684
Ion Ratio Lower Upper
76 100
44 22.7 18.8 28.2
78 11.9 9.5 14.3

Manual Integrations
APPROVED

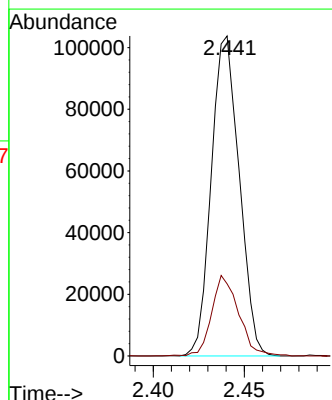
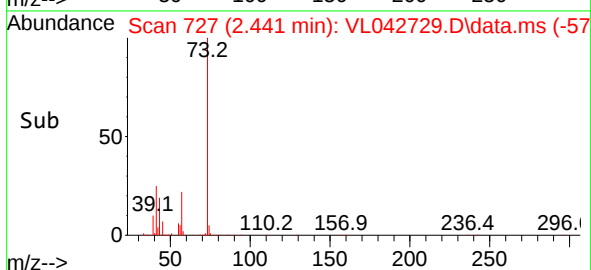
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

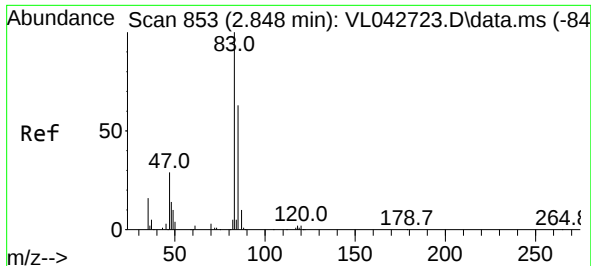


#28
Methyl tert-Butyl Ether
Concen: 14.204 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21



Tgt Ion: 73 Resp: 110848
Ion Ratio Lower Upper
73 100
57 24.4 19.8 29.8





#29

Chloroform

Concen: 13.984 ppbv

RT: 2.848 min Scan# 853

Delta R.T. -0.000 min

Lab File: VL042729.D

Acq: 22 Jul 2025 12:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 83 Resp: 309990

Ion Ratio Lower Upper

83 100

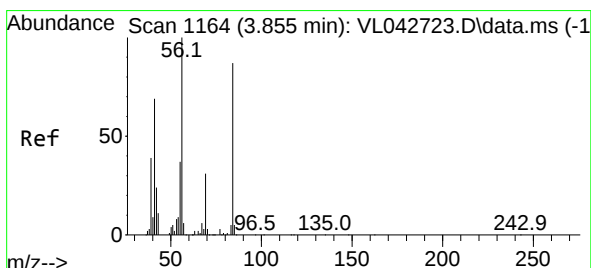
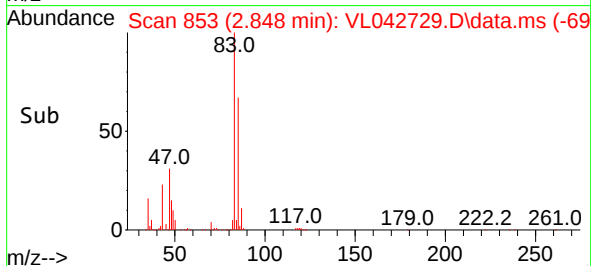
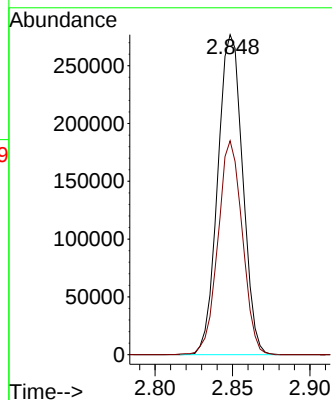
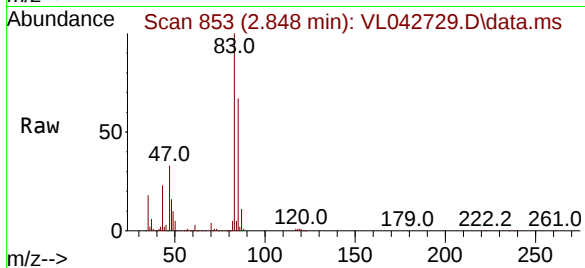
85 66.9 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#30

Cyclohexane

Concen: 14.707 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VL042729.D

Acq: 22 Jul 2025 12:21

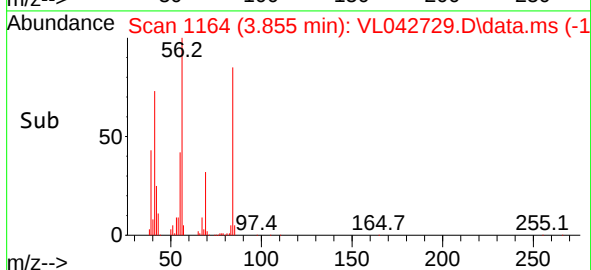
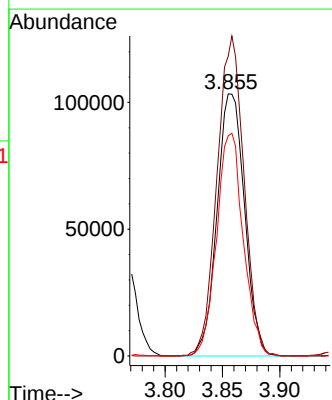
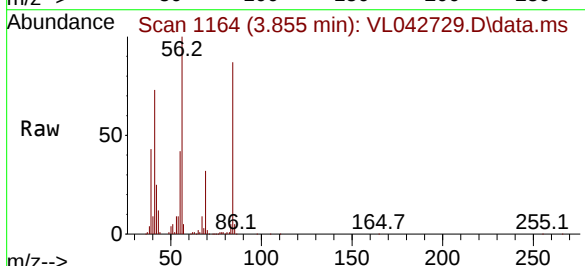
Tgt Ion: 84 Resp: 172281

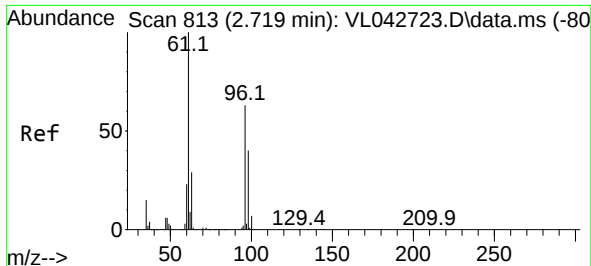
Ion Ratio Lower Upper

84 100

56 119.6 94.2 141.4

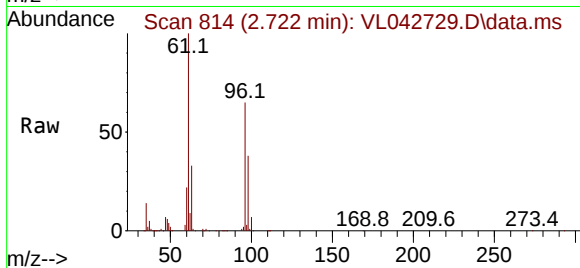
41 82.6 66.4 99.6





#31
 cis-1,2-Dichloroethene
 Concen: 14.180 ppbv
 RT: 2.722 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL042729.D
 Acq: 22 Jul 2025 12:21

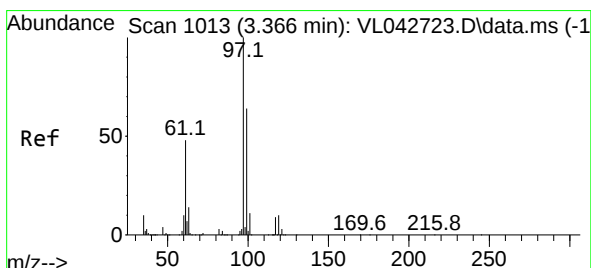
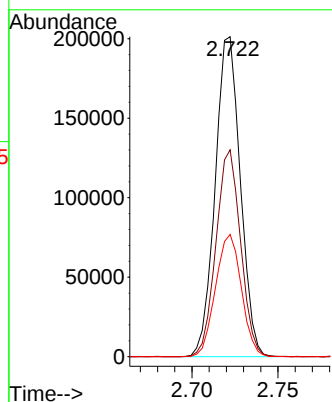
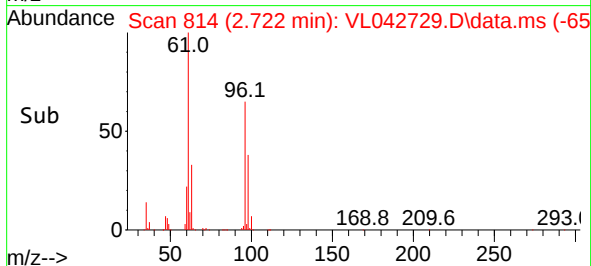
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



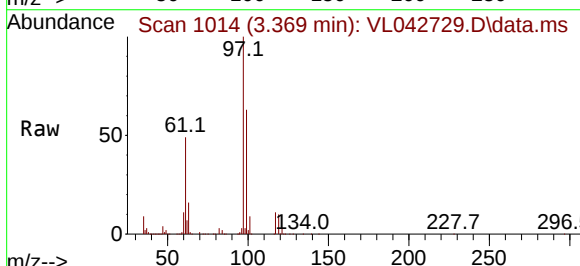
Tgt Ion: 61 Resp: 20497
 Ion Ratio Lower Upper
 61 100
 96 64.6 50.6 75.8
 98 38.2 32.2 48.2

Manual Integrations
 APPROVED

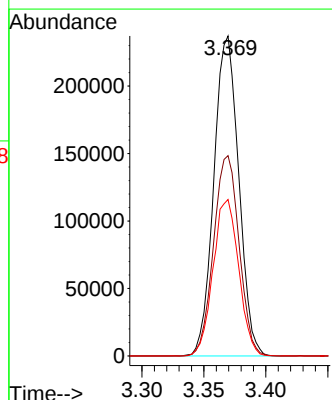
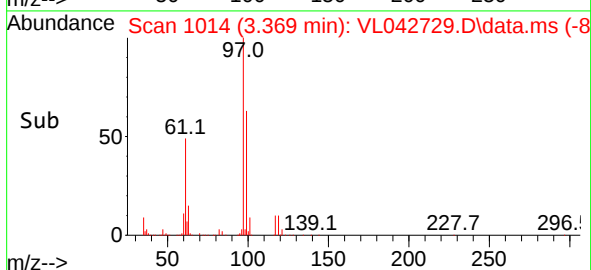
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

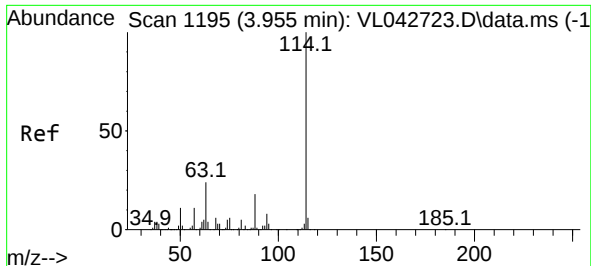


#32
 1,1,1-Trichloroethane
 Concen: 14.219 ppbv
 RT: 3.369 min Scan# 1014
 Delta R.T. 0.003 min
 Lab File: VL042729.D
 Acq: 22 Jul 2025 12:21



Tgt Ion: 97 Resp: 331907
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.4 77.0
 61 50.4 39.6 59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.003 min

Lab File: VL042729.D

Acq: 22 Jul 2025 12:21

Instrument :

MSVOA_L

ClientSampleId :

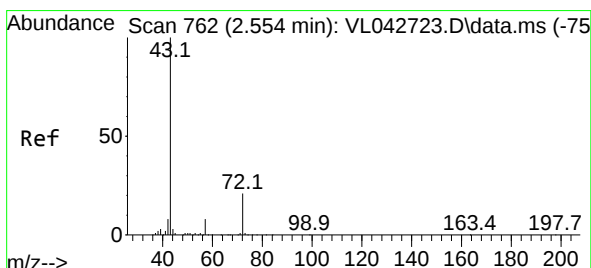
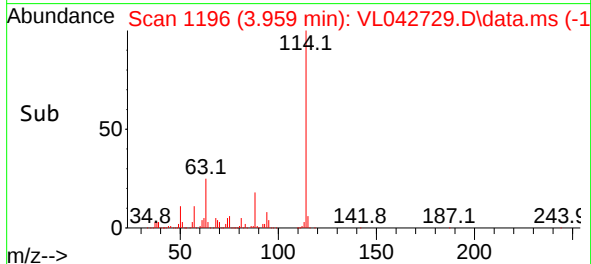
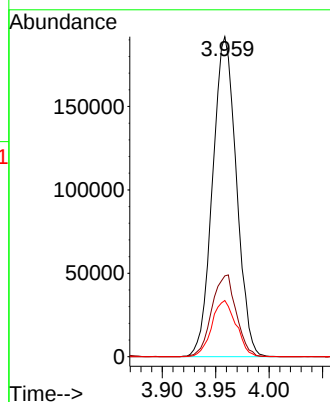
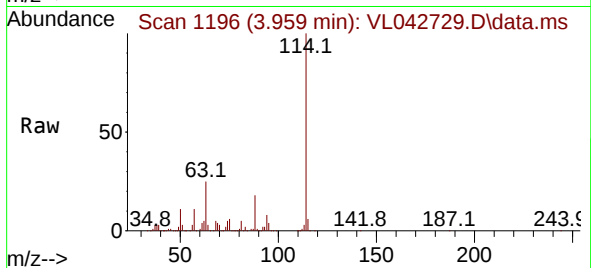
VSTDICC015

Tgt Ion:114 Resp: 297055
 Ion Ratio Lower Upper
 114 100
 63 26.3 20.4 30.6
 88 18.0 14.5 21.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#34

2-Butanone

Concen: 13.838 ppbv

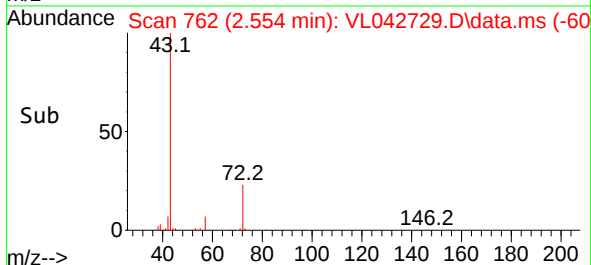
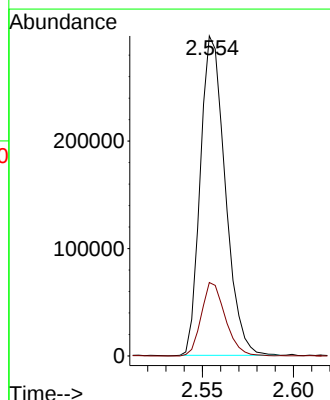
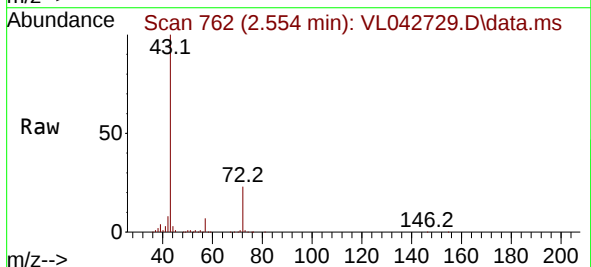
RT: 2.554 min Scan# 762

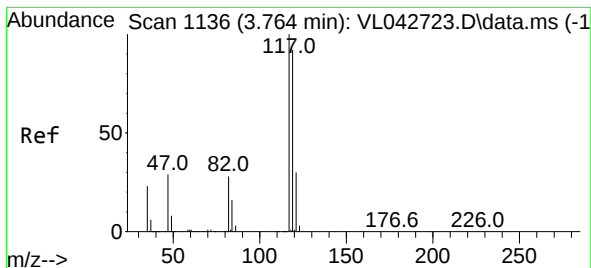
Delta R.T. -0.000 min

Lab File: VL042729.D

Acq: 22 Jul 2025 12:21

Tgt Ion: 43 Resp: 283055
 Ion Ratio Lower Upper
 43 100
 72 22.3 17.0 25.6





#35

Carbon Tetrachloride

Concen: 14.064 ppbv

RT: 3.764 min Scan# 1136

Delta R.T. -0.000 min

Lab File: VL042729.D

Acq: 22 Jul 2025 12:21

Instrument :

MSVOA_L

ClientSampleId :

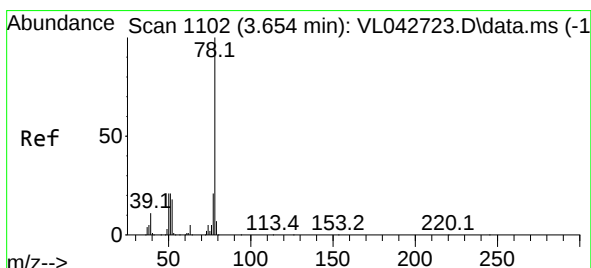
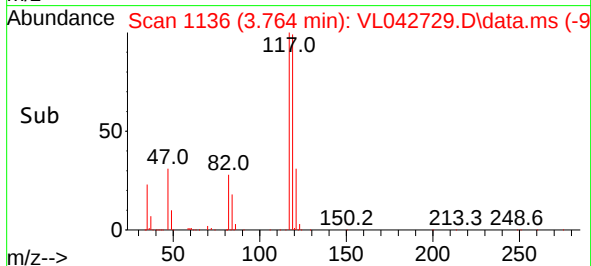
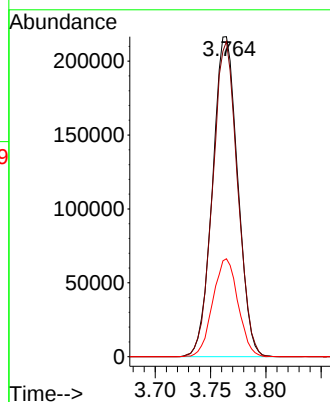
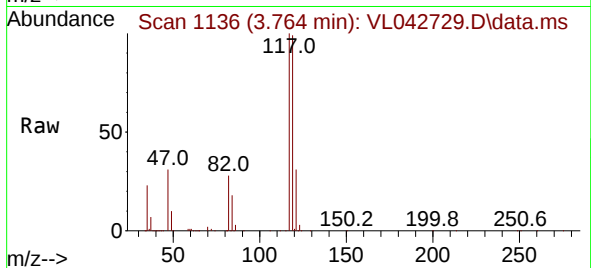
VSTDICC015

Tgt Ion:117 Resp: 342291
 Ion Ratio Lower Upper
 117 100
 119 98.5 73.7 110.5
 121 30.6 23.8 35.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#36

Benzene

Concen: 14.383 ppbv

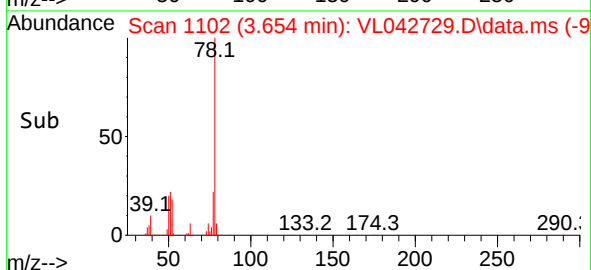
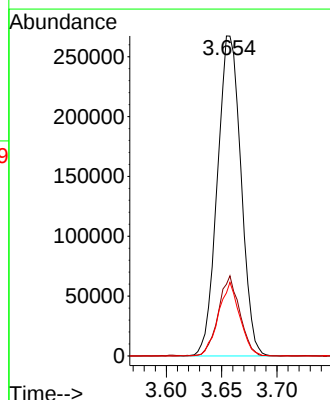
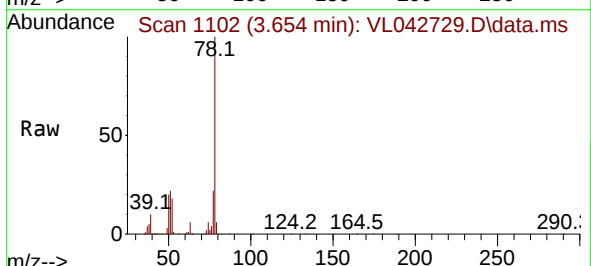
RT: 3.654 min Scan# 1102

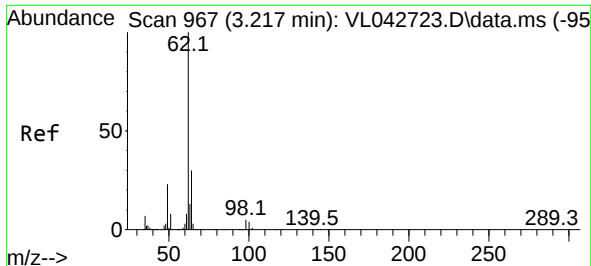
Delta R.T. -0.000 min

Lab File: VL042729.D

Acq: 22 Jul 2025 12:21

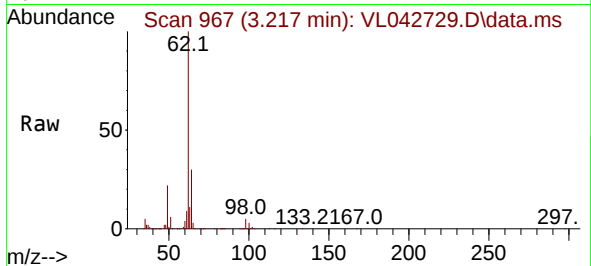
Tgt Ion: 78 Resp: 396921
 Ion Ratio Lower Upper
 78 100
 77 22.4 17.0 25.4
 50 19.7 16.9 25.3





#37
1,2-Dichloroethane
Concen: 15.072 ppbv
RT: 3.217 min Scan# 967
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

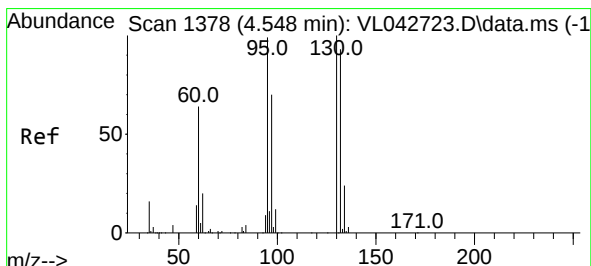
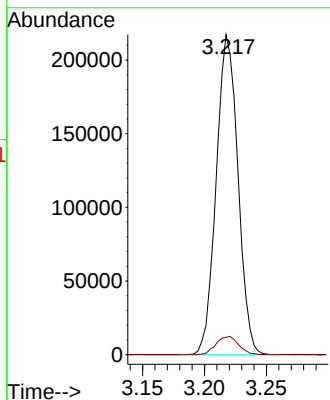
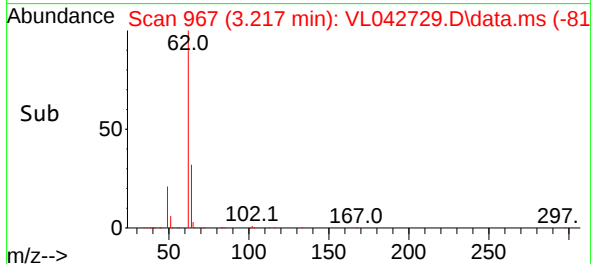
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



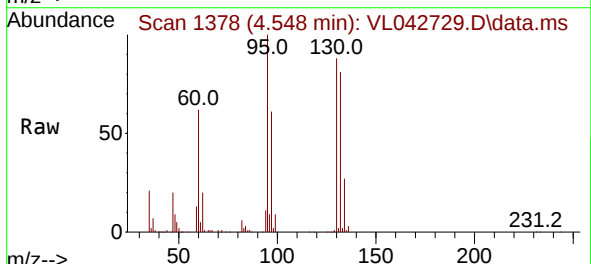
Tgt Ion: 62 Resp: 265310
Ion Ratio Lower Upper
62 100
98 6.0 4.8 7.2

Manual Integrations
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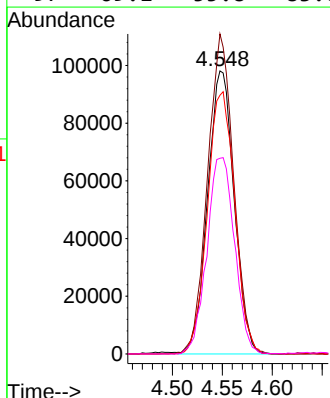
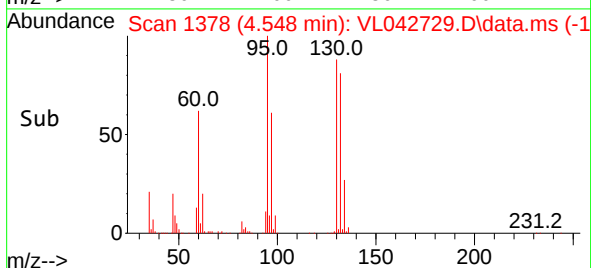
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

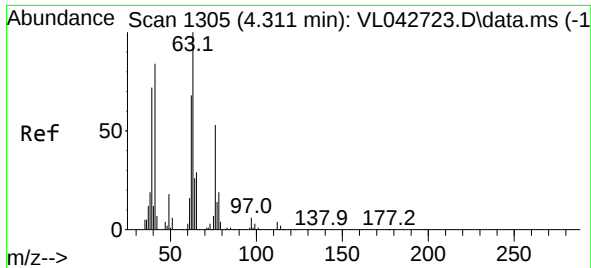


#38
Trichloroethene
Concen: 13.493 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21



Tgt Ion:130 Resp: 181288
Ion Ratio Lower Upper
130 100
95 113.1 79.2 118.8
132 91.3 74.1 111.1
97 69.1 55.8 83.6





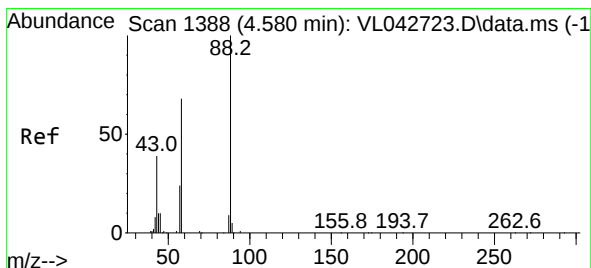
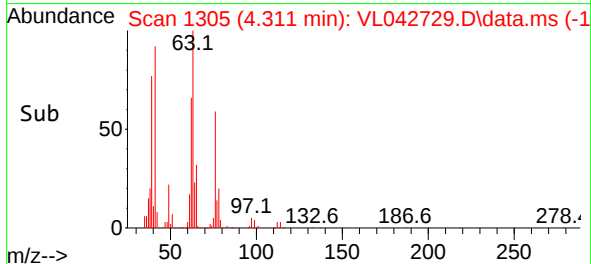
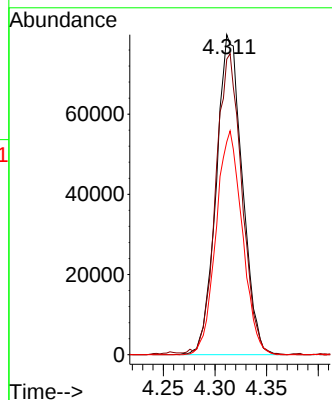
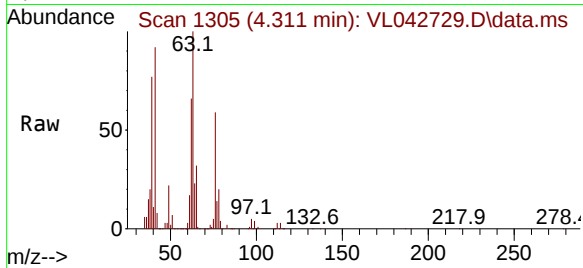
#39
1,2-Dichloropropane
Concen: 13.644 ppbv
RT: 4.311 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 63 Resp: 140198
Ion Ratio Lower Upper
63 100
41 92.1 67.7 101.5
62 66.5 54.1 81.1

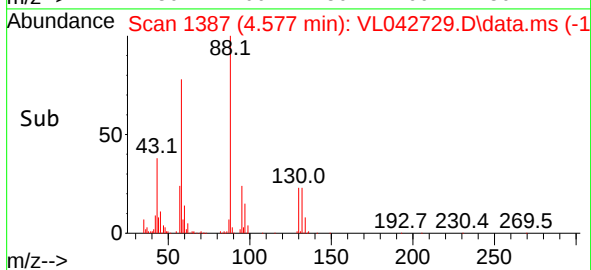
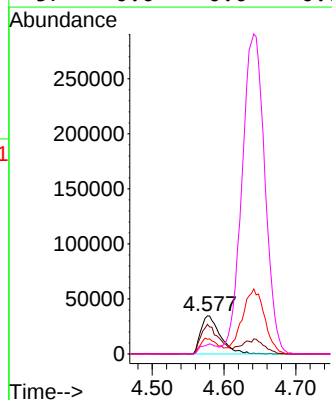
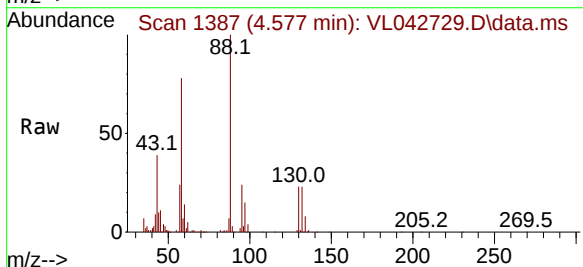
Manual Integrations
APPROVED

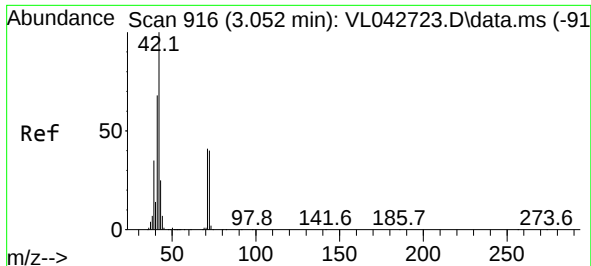
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#40
1,4-Dioxane
Concen: 13.738 ppbv m
RT: 4.577 min Scan# 1387
Delta R.T. -0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

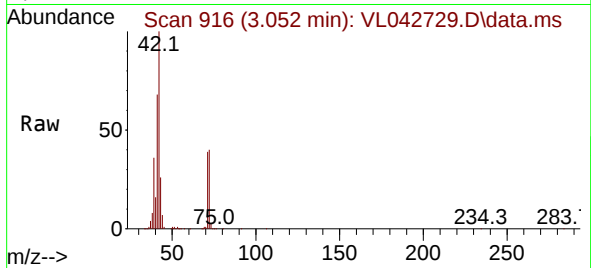
Tgt Ion: 88 Resp: 65044
Ion Ratio Lower Upper
88 100
58 71.4 59.8 89.8
43 35.9 32.6 48.8
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 14.393 ppbv
RT: 3.052 min Scan# 916
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

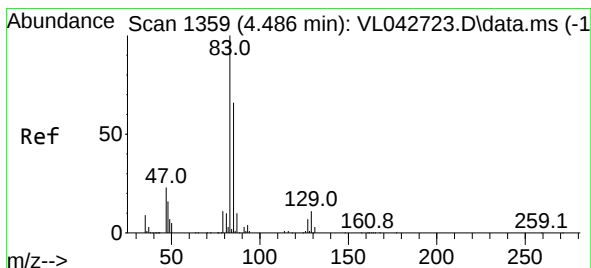
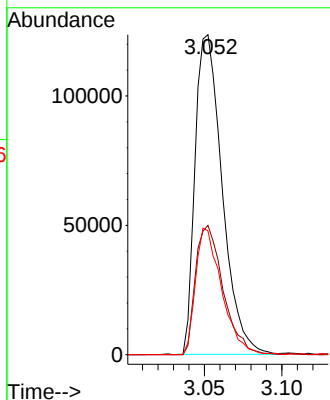
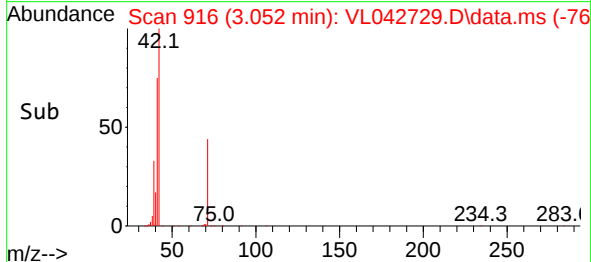
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



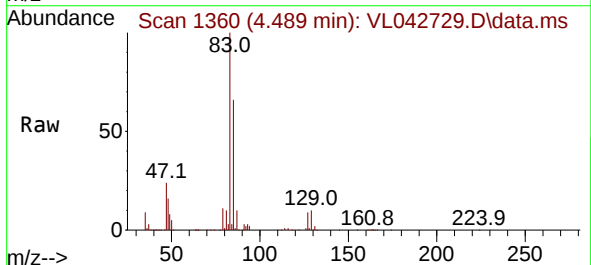
Tgt Ion: 42 Resp: 150470
Ion Ratio Lower Upper
42 100
72 41.3 32.2 48.2
71 38.6 29.8 44.6

Manual Integrations
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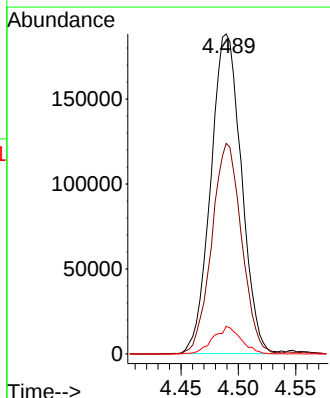
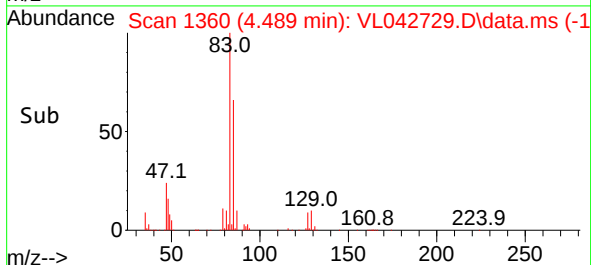
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

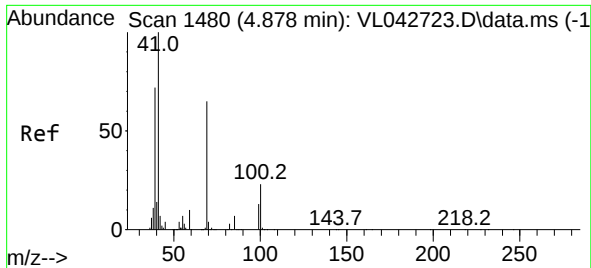


#42
Bromodichloromethane
Concen: 15.189 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21



Tgt Ion: 83 Resp: 349917
Ion Ratio Lower Upper
83 100
85 65.6 52.6 78.8
127 8.6 6.0 9.0





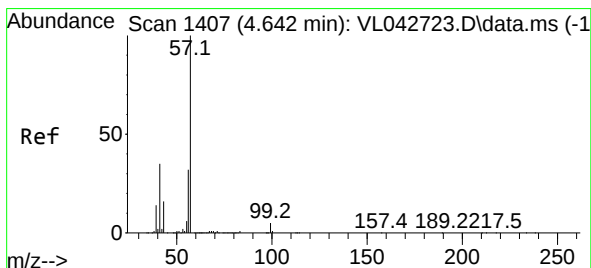
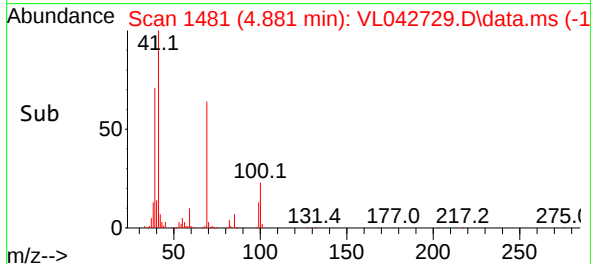
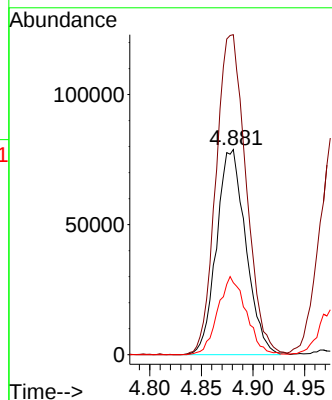
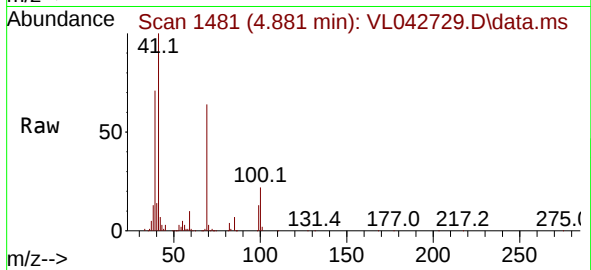
#43
Methyl Methacrylate
Concen: 14.697 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 69 Resp: 155562
Ion Ratio Lower Upper
69 100
41 160.6 125.8 188.6
100 36.7 29.9 44.9

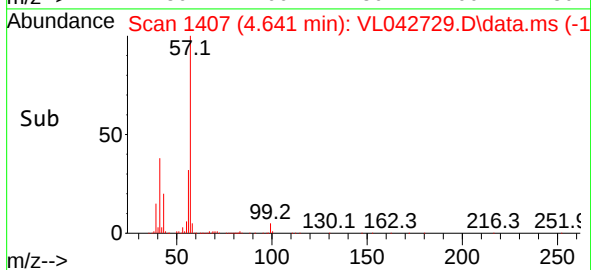
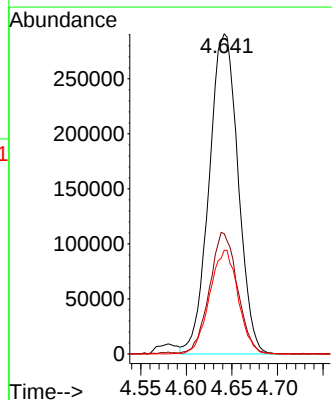
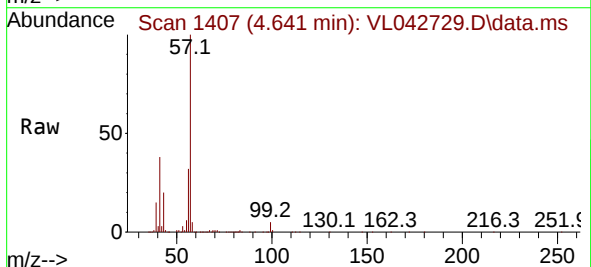
Manual Integrations
APPROVED

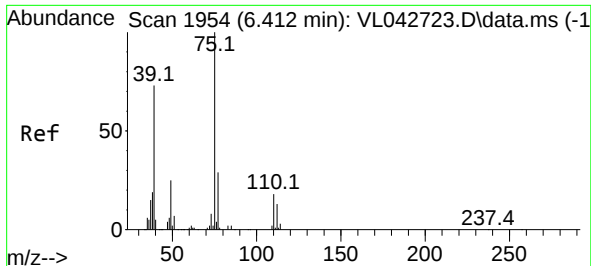
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#44
2,2,4-Trimethylpentane
Concen: 14.163 ppbv
RT: 4.641 min Scan# 1407
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

Tgt Ion: 57 Resp: 644648
Ion Ratio Lower Upper
57 100
41 36.8 29.4 44.0
56 31.9 26.1 39.1





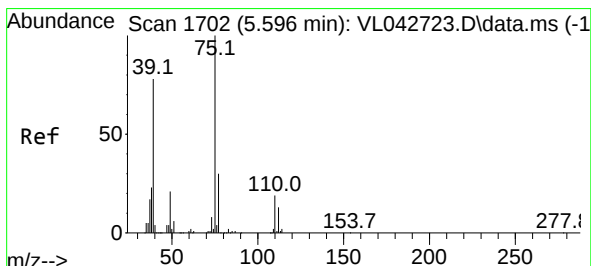
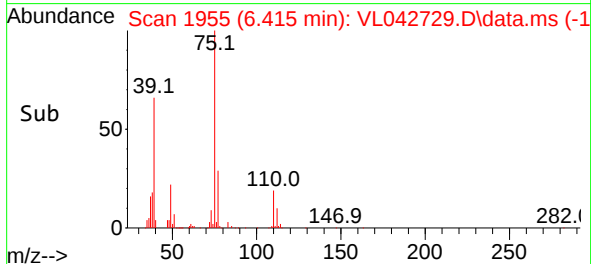
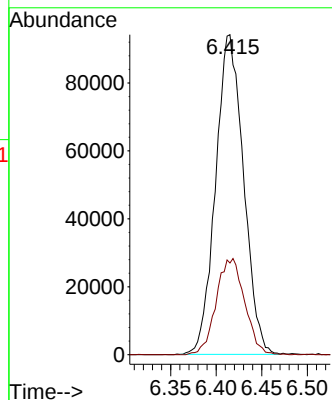
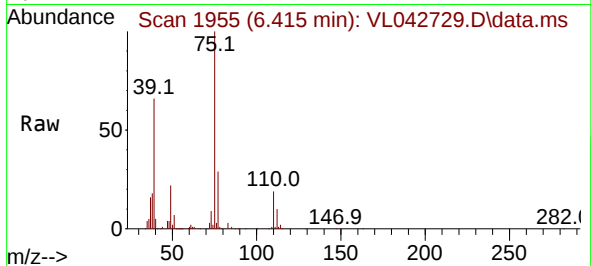
#45
t-1,3-Dichloropropene
Concen: 15.406 ppbv
RT: 6.415 min Scan# 1954
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 75 Resp: 20053
Ion Ratio Lower Upper
75 100
77 28.7 23.0 34.6

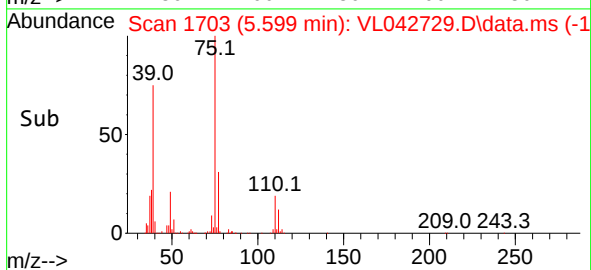
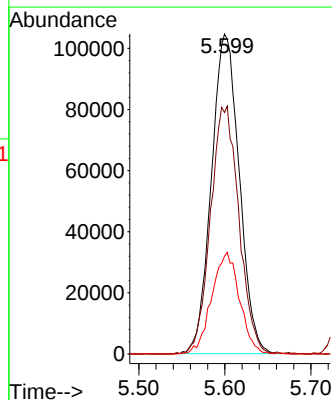
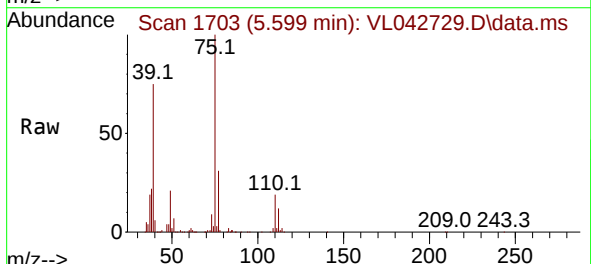
Manual Integrations
APPROVED

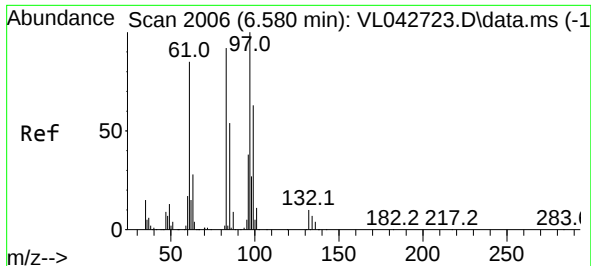
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#46
cis-1,3-Dichloropropene
Concen: 15.233 ppbv
RT: 5.599 min Scan# 1703
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

Tgt Ion: 75 Resp: 235485
Ion Ratio Lower Upper
75 100
39 75.4 62.1 93.1
77 30.5 24.0 36.0





#47
1,1,2-Trichloroethane
Concen: 14.117 ppbv
RT: 6.583 min Scan# 2006
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

Instrument :

MSVOA_L

ClientSampleId :

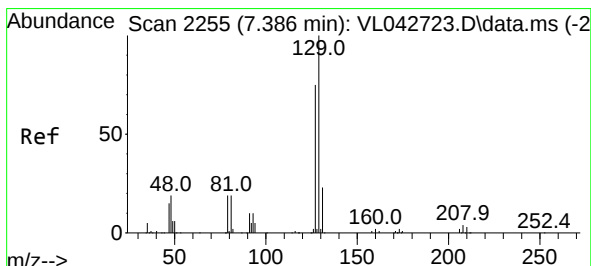
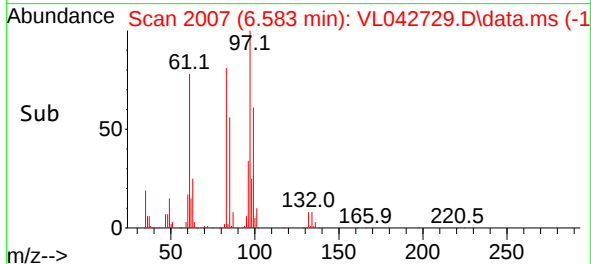
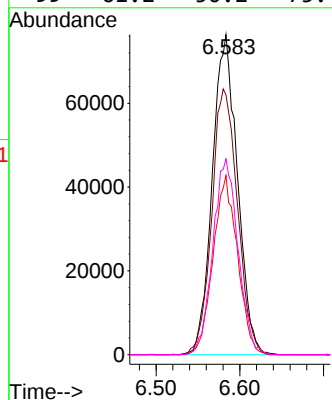
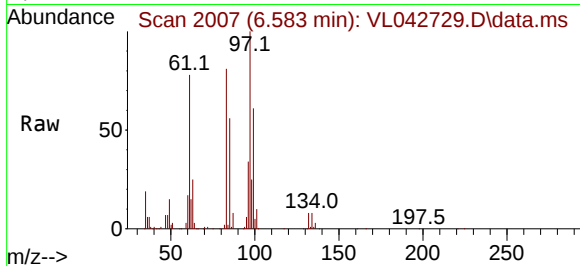
VSTDICC015

Tgt Ion: 97 Resp: 15892
Ion Ratio Lower Upper
97 100
83 81.2 73.2 109.8
85 56.0 42.7 64.1
99 61.2 50.2 75.4

Manual Integrations

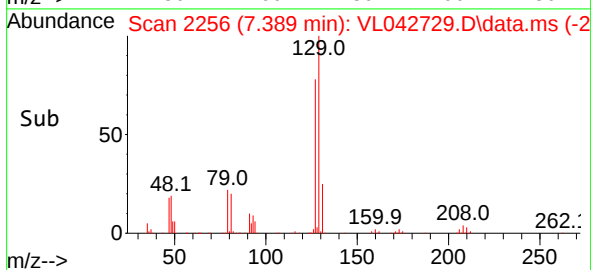
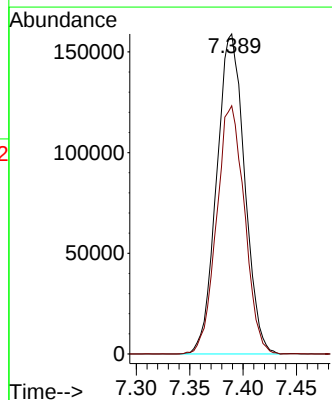
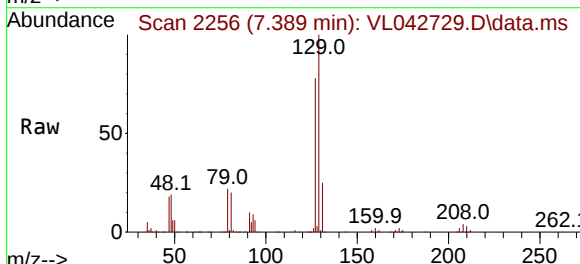
APPROVED

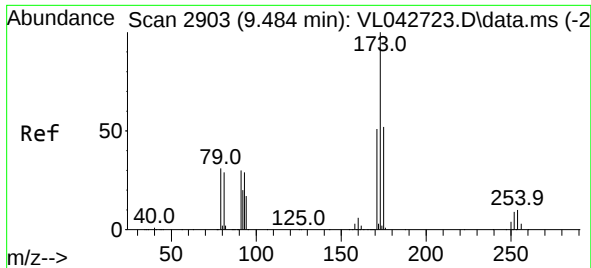
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#48
Dibromochloromethane
Concen: 15.452 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

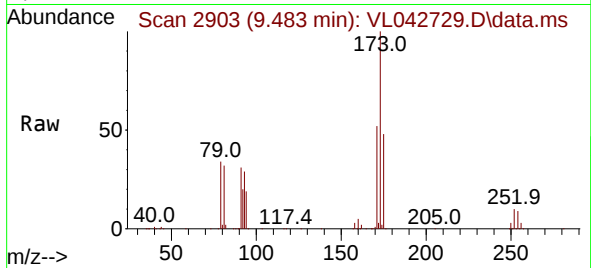
Tgt Ion:129 Resp: 289101
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.3





#49
Bromoform
Concen: 15.690 ppbv
RT: 9.483 min Scan# 2903
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

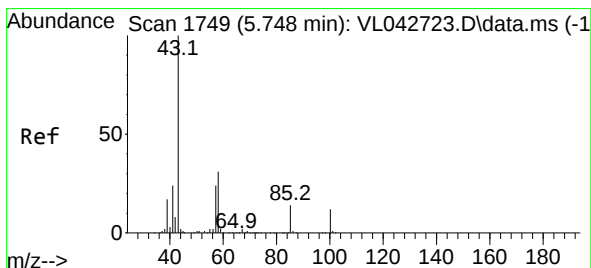
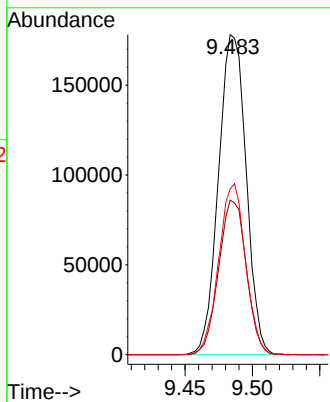
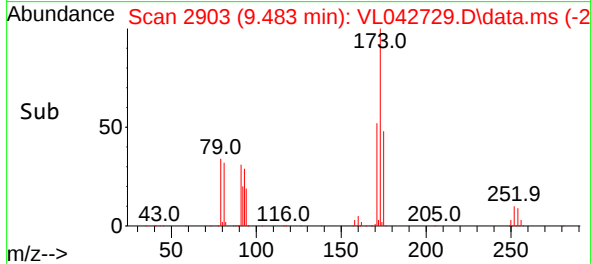
Instrument : MSVOA_L
ClientSampleId : VSTDIC015



Tgt Ion:173 Resp: 254735
Ion Ratio Lower Upper
173 100
175 48.2 38.9 58.3
171 51.7 41.1 61.7

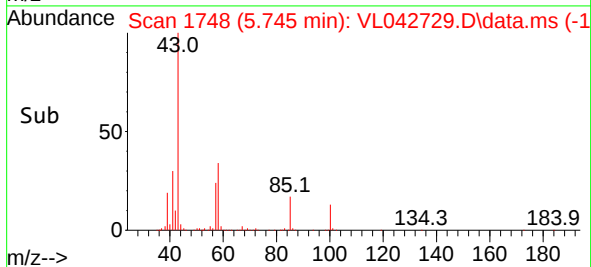
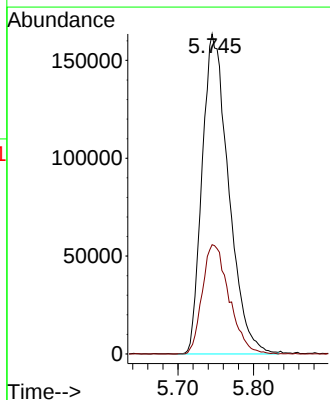
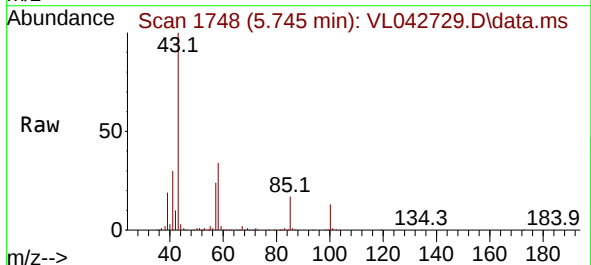
Manual Integrations
APPROVED

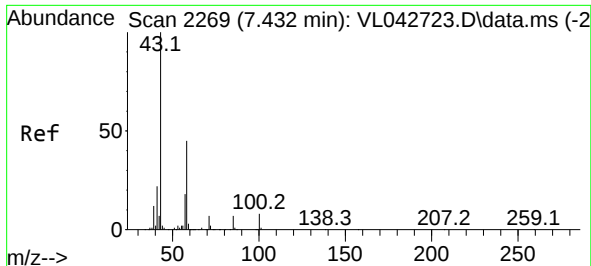
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#50
4-Methyl-2-Pentanone
Concen: 14.776 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. -0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

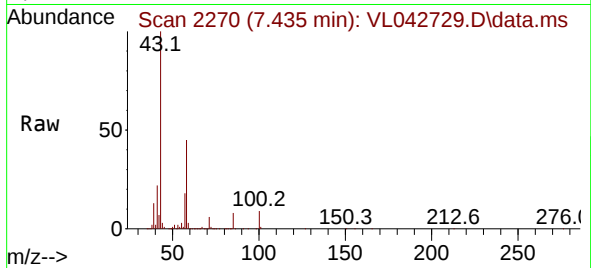
Tgt Ion: 43 Resp: 397641
Ion Ratio Lower Upper
43 100
58 34.7 27.6 41.4





#51
2-Hexanone
Concen: 15.351 ppbv
RT: 7.435 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

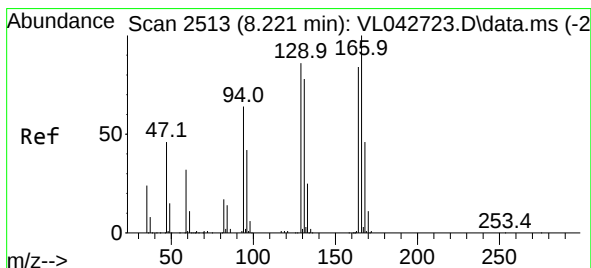
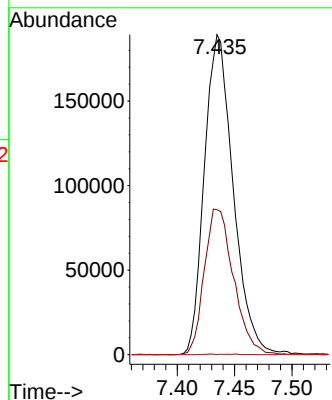
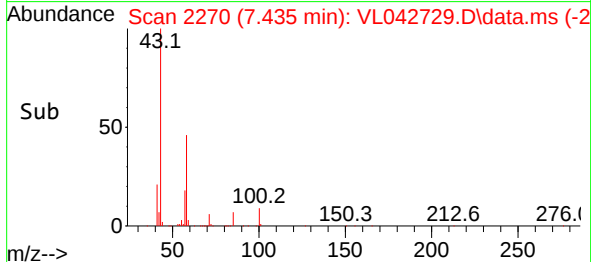
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 43 Resp: 33052
Ion Ratio Lower Upper
43 100
58 46.4 37.9 56.9
98 0.2 0.2 0.2

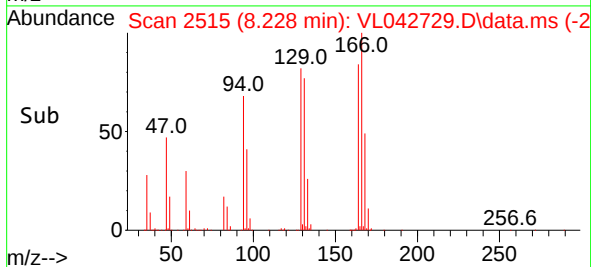
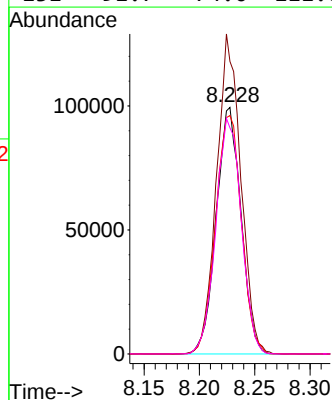
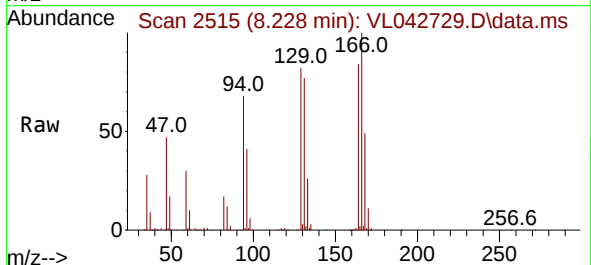
Manual Integrations
APPROVED

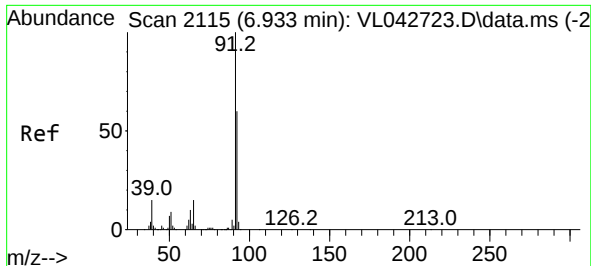
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#52
Tetrachloroethene
Concen: 13.956 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.006 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

Tgt Ion:164 Resp: 155202
Ion Ratio Lower Upper
164 100
166 118.6 95.1 142.7
129 96.6 81.9 122.9
131 91.7 74.0 111.0





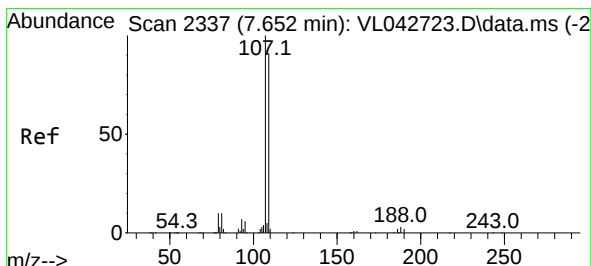
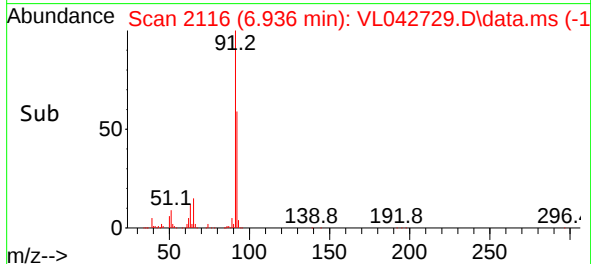
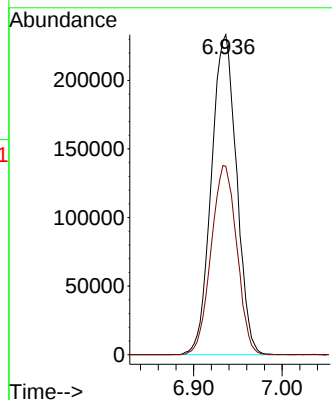
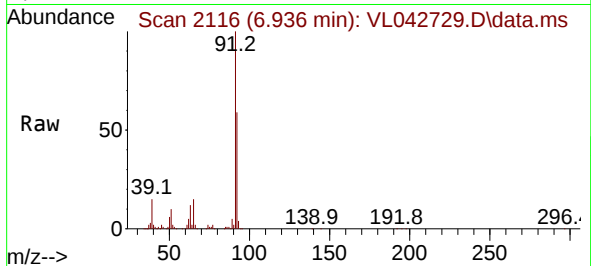
#53
Toluene
Concen: 14.807 ppbv
RT: 6.936 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 460720
Ion Ratio Lower Upper
91 100
92 60.3 48.2 72.4

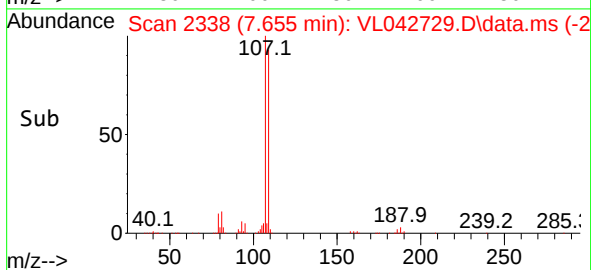
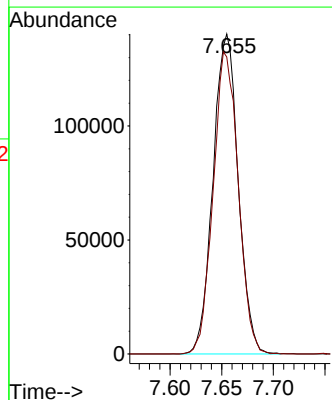
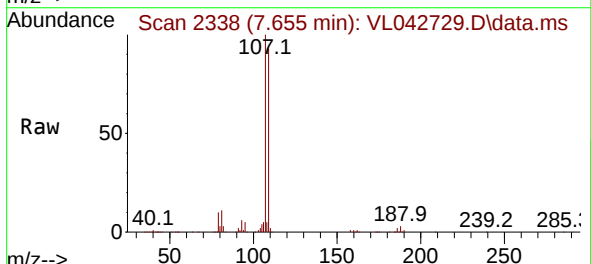
Manual Integrations
APPROVED

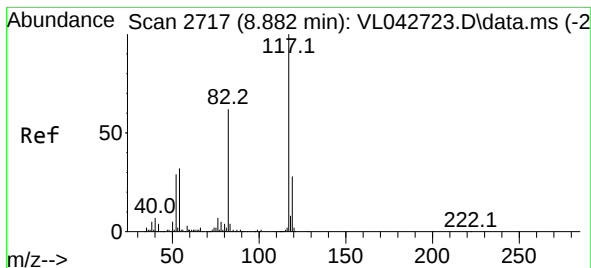
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#54
1,2-Dibromoethane
Concen: 14.163 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

Tgt Ion:107 Resp: 238272
Ion Ratio Lower Upper
107 100
109 92.8 72.5 108.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.881 min Scan# 2717

Delta R.T. -0.000 min

Lab File: VL042729.D

Acq: 22 Jul 2025 12:21

Instrument :

MSVOA_L

ClientSampleId :

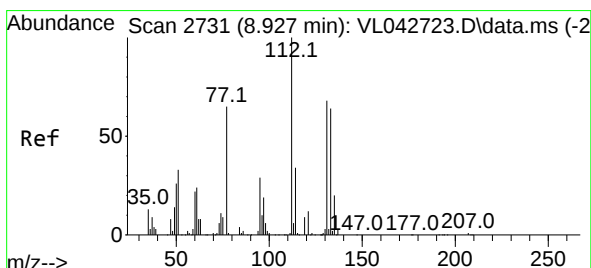
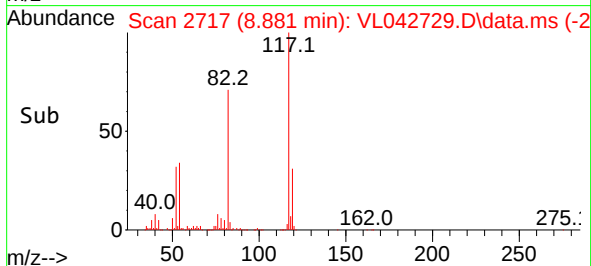
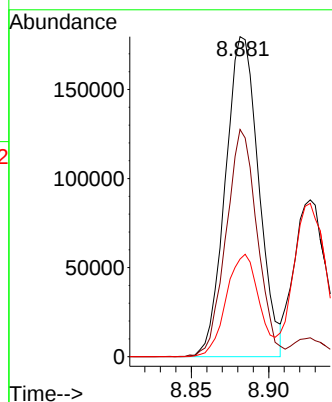
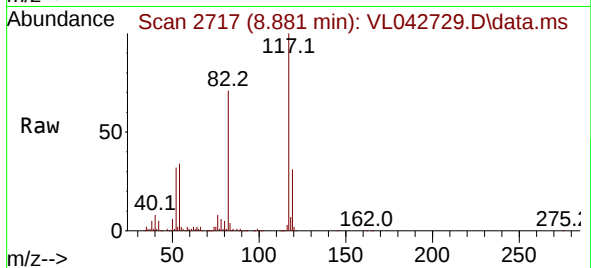
VSTDICC015

Tgt Ion:	117	Resp:	26943
Ion Ratio	Lower	Upper	
117	100		
82	66.9	54.6	81.8
119	31.7	25.3	37.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 14.275 ppbv

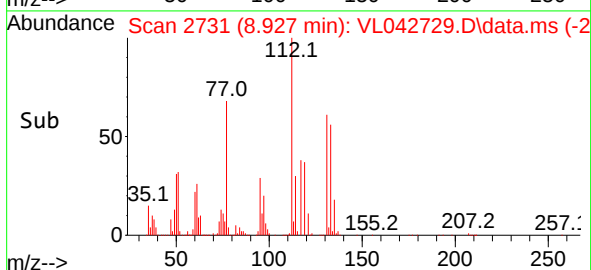
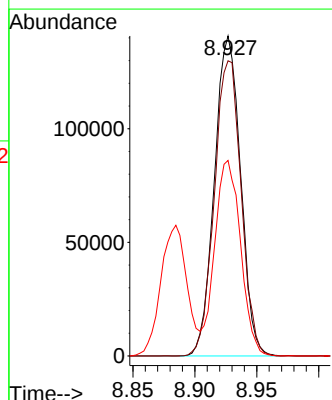
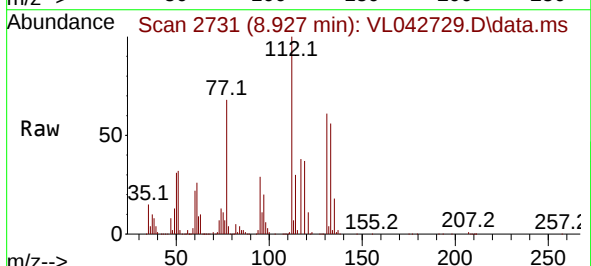
RT: 8.927 min Scan# 2731

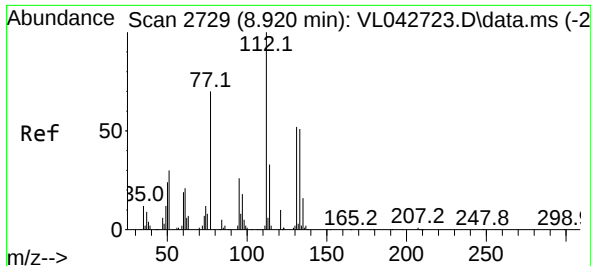
Delta R.T. -0.000 min

Lab File: VL042729.D

Acq: 22 Jul 2025 12:21

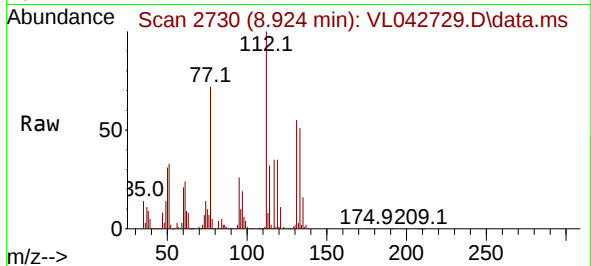
Tgt Ion:	131	Resp:	207220
Ion Ratio	Lower	Upper	
131	100		
133	94.6	77.4	116.0
119	60.5	48.6	73.0





#57
Chlorobenzene
Concen: 13.934 ppbv
RT: 8.924 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

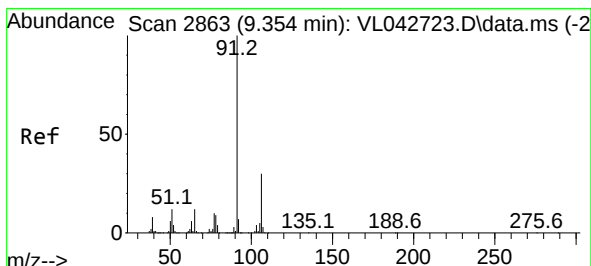
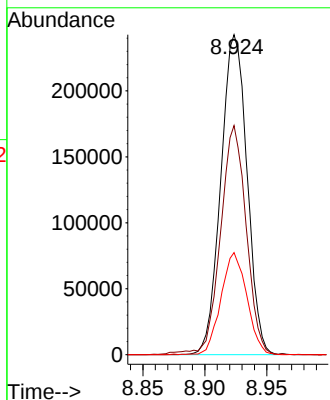
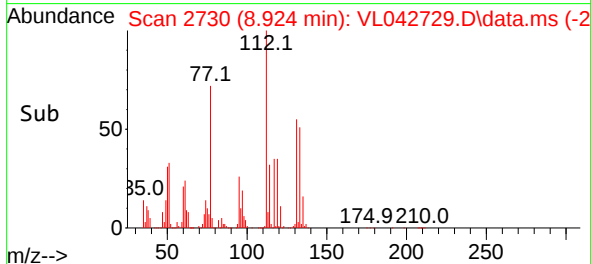
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:112 Resp: 35785
Ion Ratio Lower Upper
112 100
77 71.5 57.2 85.8
114 31.8 29.8 36.4

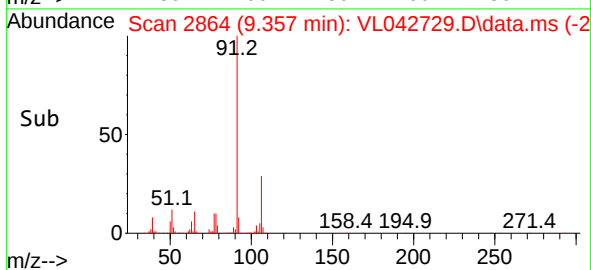
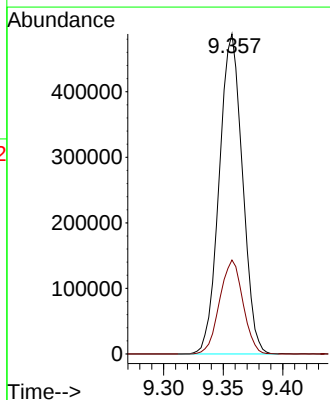
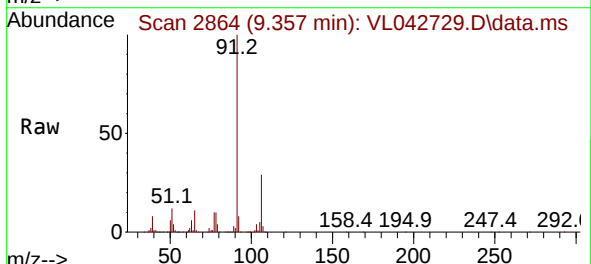
Manual Integrations
APPROVED

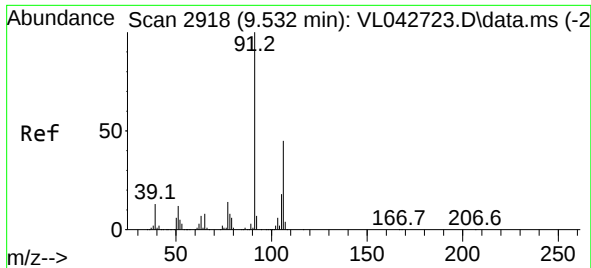
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#58
Ethyl Benzene
Concen: 14.694 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

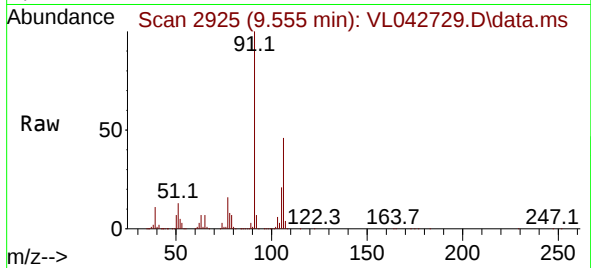
Tgt Ion: 91 Resp: 661380
Ion Ratio Lower Upper
91 100
106 29.3 23.7 35.5





#59
m/p-Xylene
Concen: 29.396 ppbv m
RT: 9.555 min Scan# 2918
Delta R.T. 0.023 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

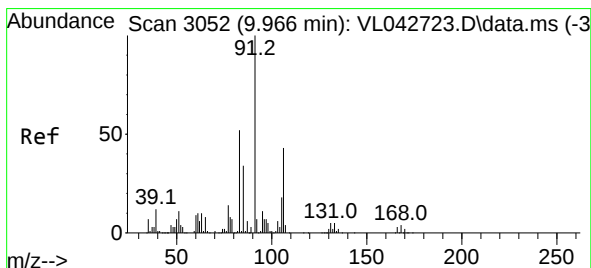
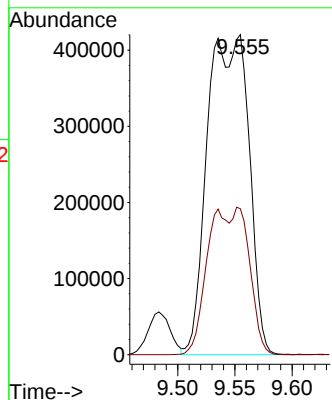
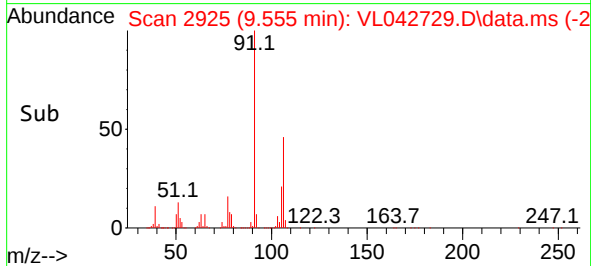
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



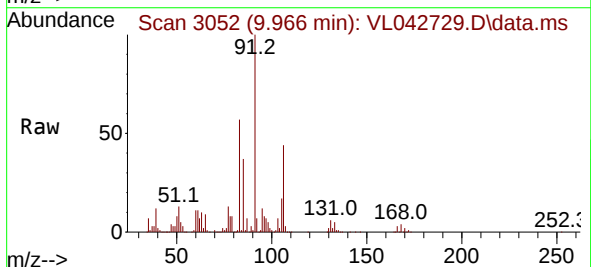
Tgt Ion: 91 Resp: 1060304
Ion Ratio Lower Upper
91 100
106 0.0 37.3 55.9

Manual Integrations
APPROVED

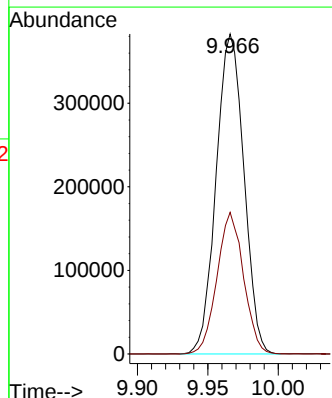
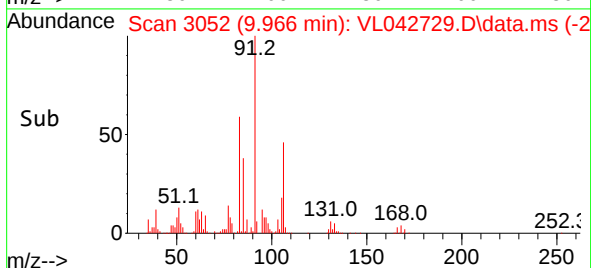
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

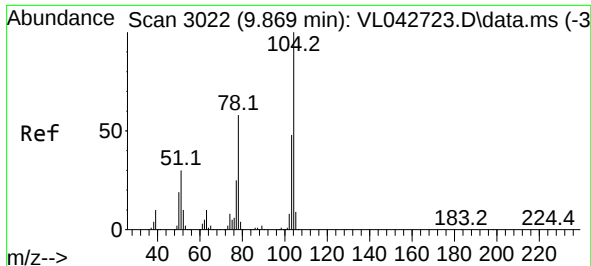


#60
o-Xylene
Concen: 14.460 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21



Tgt Ion: 91 Resp: 525682
Ion Ratio Lower Upper
91 100
106 42.3 21.4 64.3





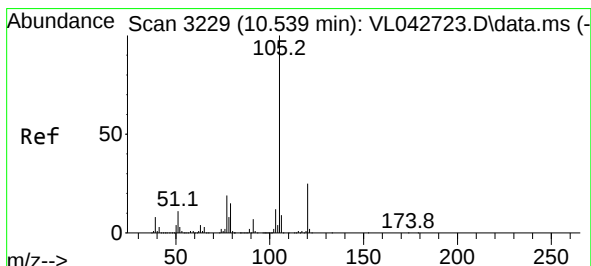
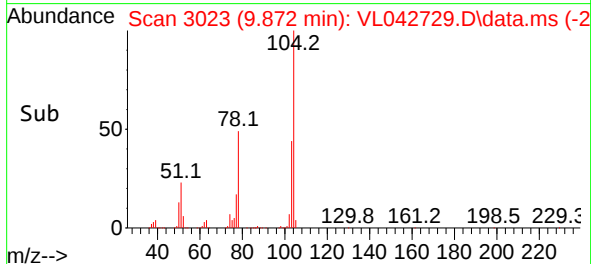
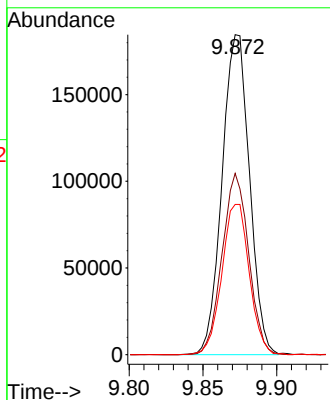
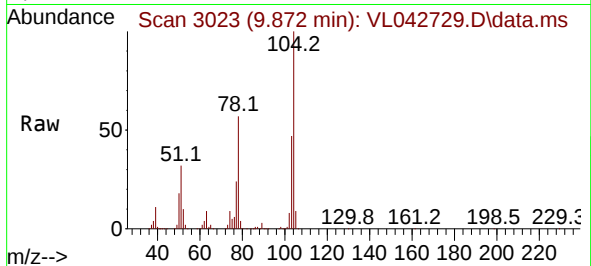
#61
Styrene
Concen: 15.245 ppbv
RT: 9.872 min Scan# 3022
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:104 Resp: 238735
Ion Ratio Lower Upper
104 100
78 55.0 43.4 65.2
103 47.2 37.8 56.6

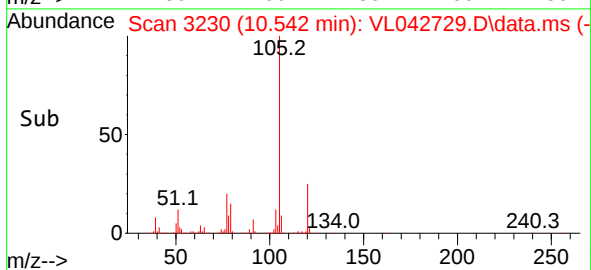
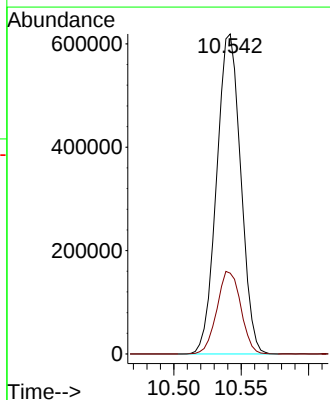
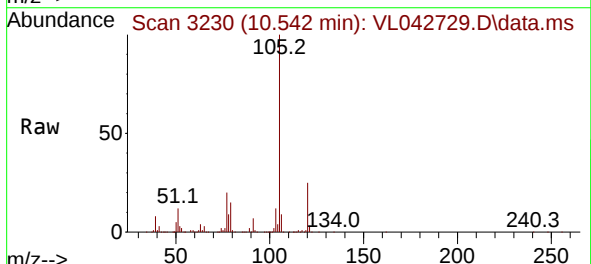
Manual Integrations
APPROVED

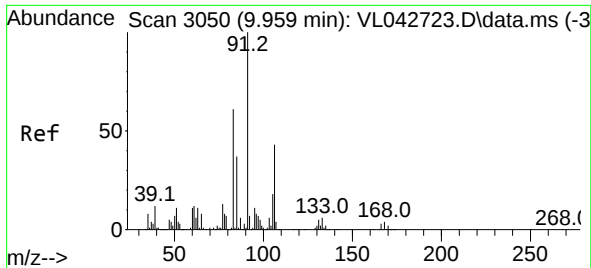
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#62
Isopropylbenzene
Concen: 14.252 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

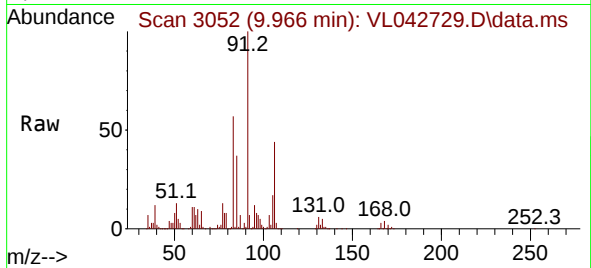
Tgt Ion:105 Resp: 770252
Ion Ratio Lower Upper
105 100
120 25.5 20.2 30.2





#63
1,1,2,2-Tetrachloroethane
Concen: 13.644 ppbv
RT: 9.966 min Scan# 3050
Delta R.T. 0.006 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

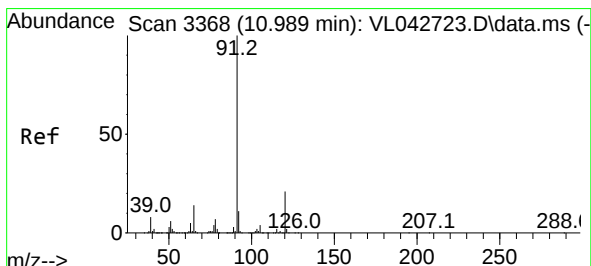
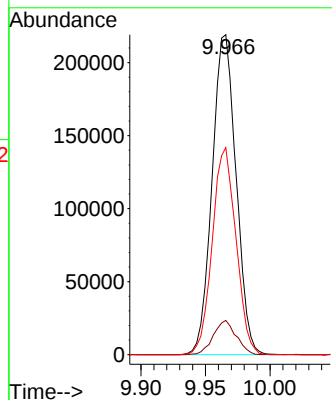
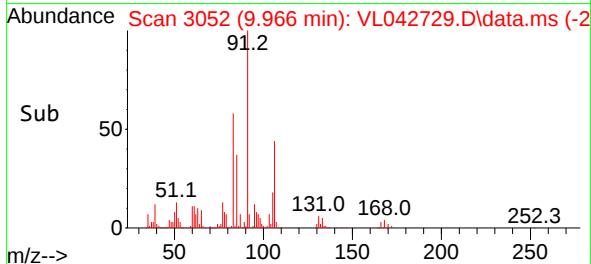
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



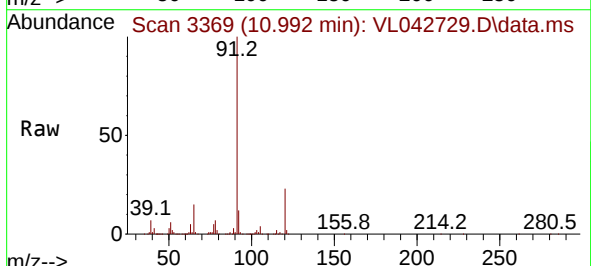
Tgt Ion: 83 Resp: 283600
Ion Ratio Lower Upper
83 100
131 10.2 5.2 15.6
85 63.9 32.1 96.5

Manual Integrations
APPROVED

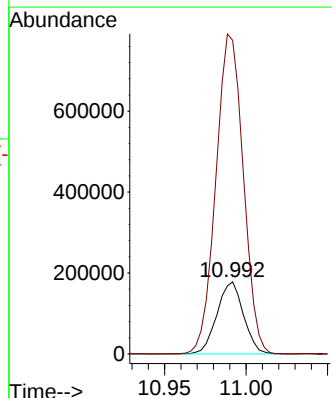
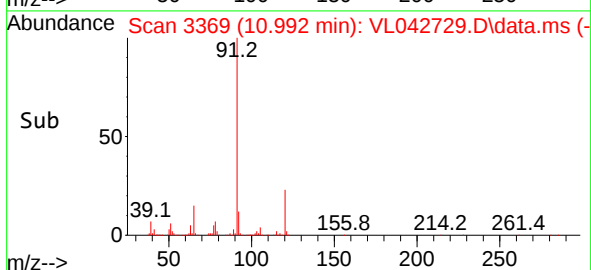
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

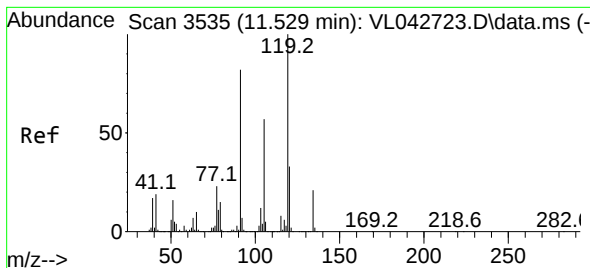


#64
n-propylbenzene
Concen: 14.748 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21



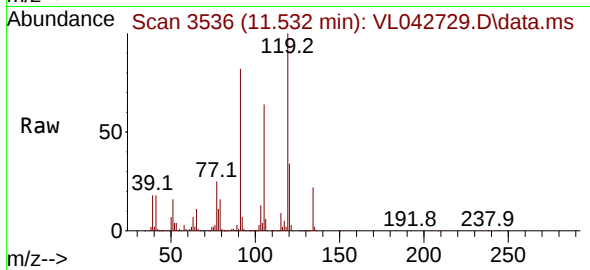
Tgt Ion:120 Resp: 201063
Ion Ratio Lower Upper
120 100
91 460.4 377.4 566.0





#65
tert-Butylbenzene
Concen: 14.116 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

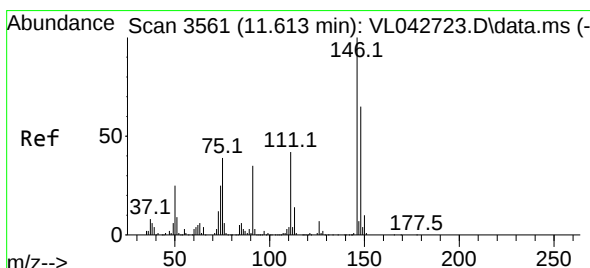
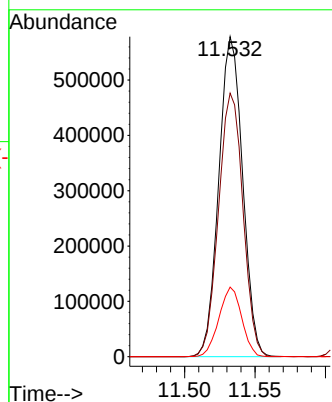
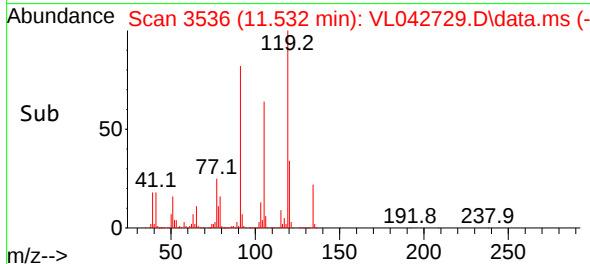
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 119 Resp: 682674
Ion Ratio Lower Upper
119 100
91 84.3 66.5 99.7
134 20.8 16.7 25.1

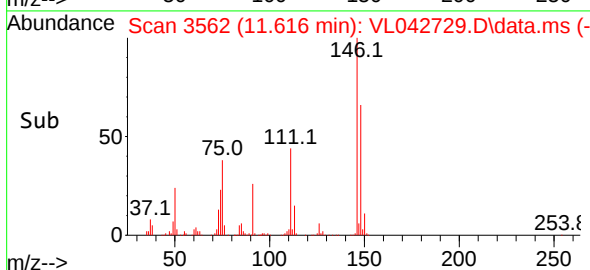
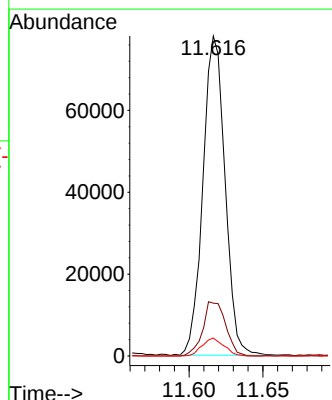
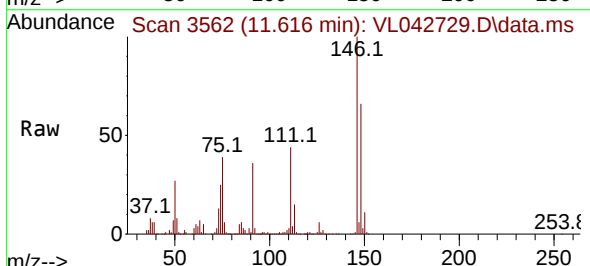
Manual Integrations
APPROVED

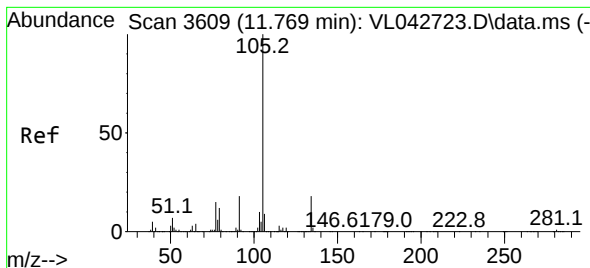
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#66
Benzyl Chloride
Concen: 17.637 ppbv
RT: 11.616 min Scan# 3562
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

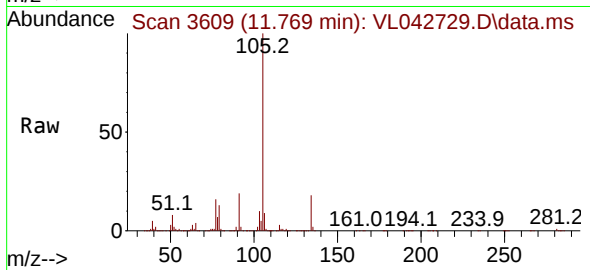
Tgt Ion: 91 Resp: 81061
Ion Ratio Lower Upper
91 100
126 17.6 15.0 22.4
128 5.6 5.0 7.6





#67
 sec-Butylbenzene
 Concen: 14.452 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. -0.000 min
 Lab File: VL042729.D
 Acq: 22 Jul 2025 12:21

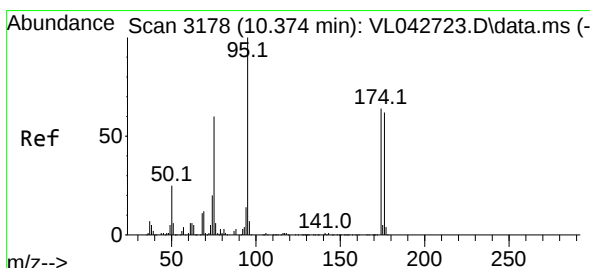
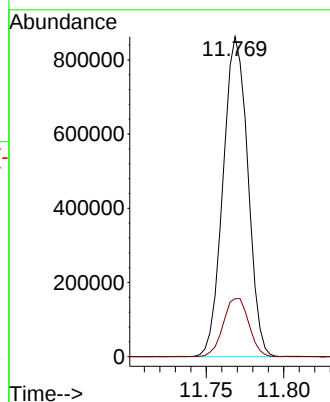
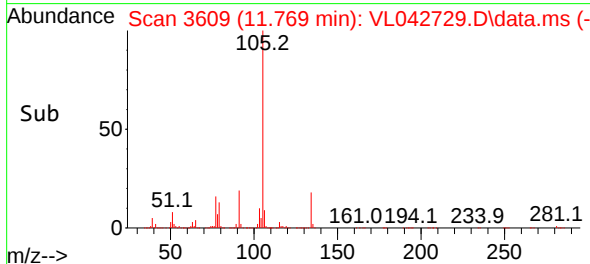
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 105 Resp: 960040
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.0 22.4

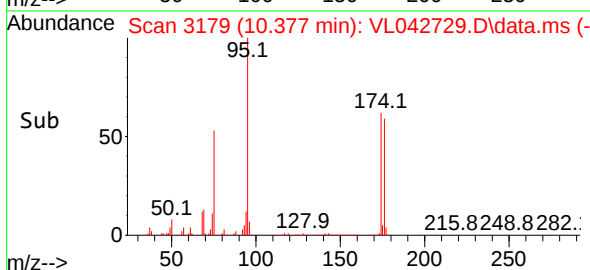
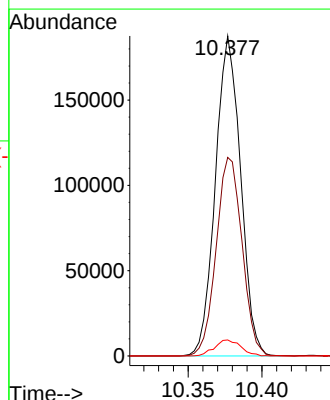
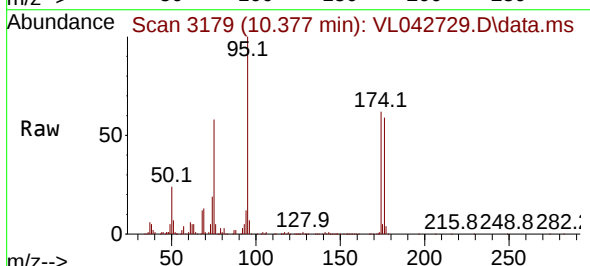
Manual Integrations
 APPROVED

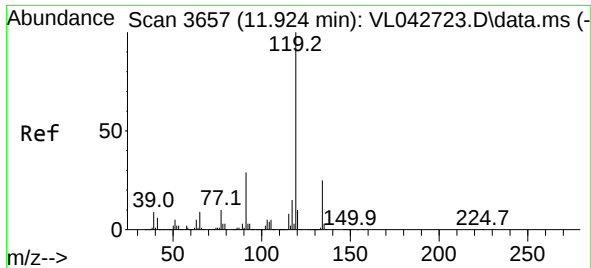
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.239 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.003 min
 Lab File: VL042729.D
 Acq: 22 Jul 2025 12:21

Tgt Ion: 95 Resp: 222970
 Ion Ratio Lower Upper
 95 100
 174 63.8 51.4 77.2
 175 5.3 4.2 6.4





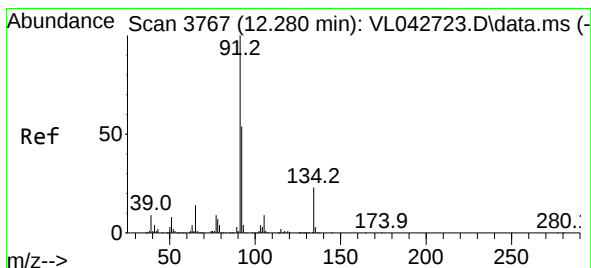
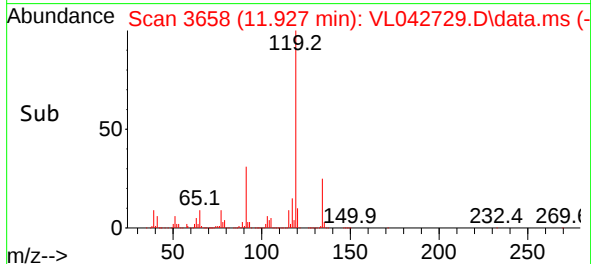
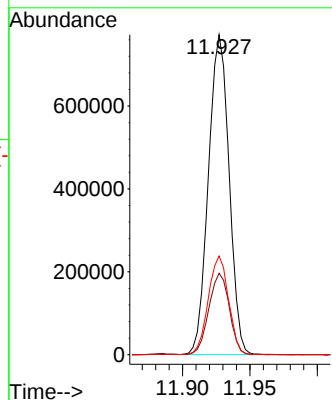
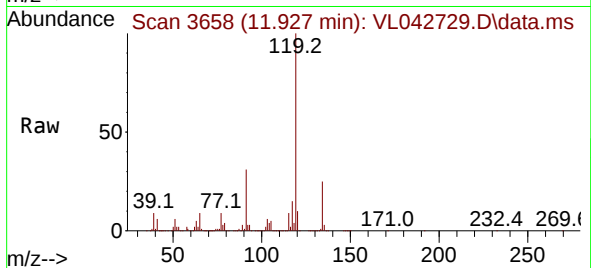
#69
p-Isopropyltoluene
Concen: 14.802 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:119 Resp: 82361
Ion Ratio Lower Upper
119 100
134 25.4 19.8 29.6
91 30.4 23.9 35.9

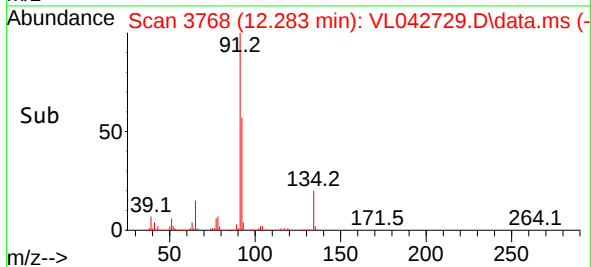
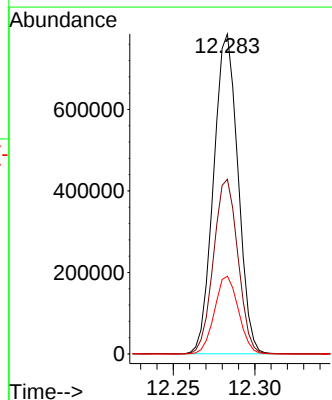
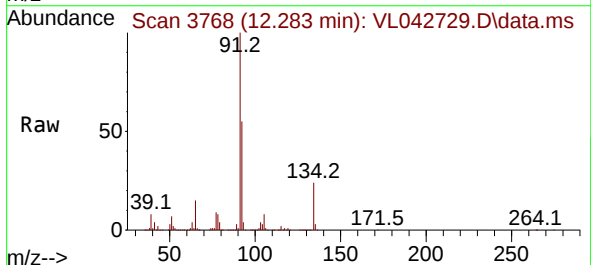
Manual Integrations
APPROVED

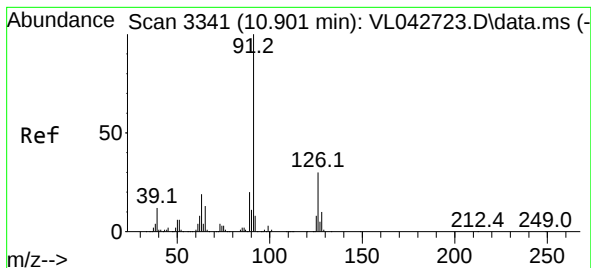
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#70
n-Butylbenzene
Concen: 15.341 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

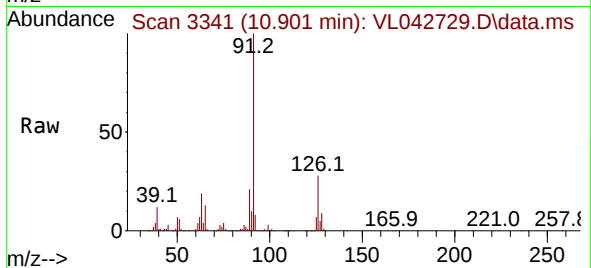
Tgt Ion: 91 Resp: 815822
Ion Ratio Lower Upper
91 100
92 54.8 43.2 64.8
134 23.9 19.0 28.6





#71
2-Chlorotoluene
Concen: 14.598 ppbv
RT: 10.901 min Scan# 3341
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

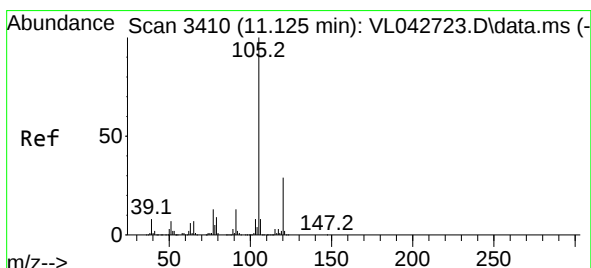
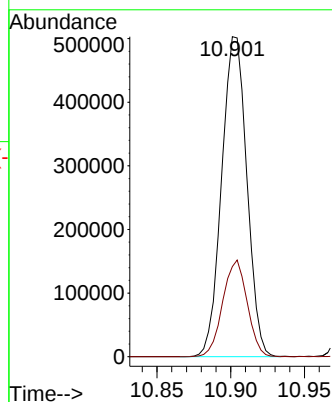
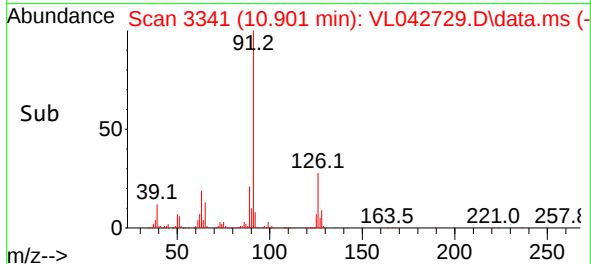
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



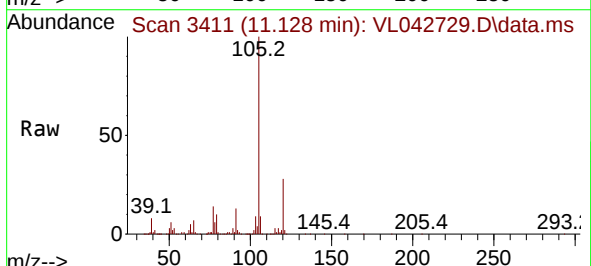
Tgt Ion: 91 Resp: 598050
Ion Ratio Lower Upper
91 100
126 29.3 11.6 46.4

Manual Integrations
APPROVED

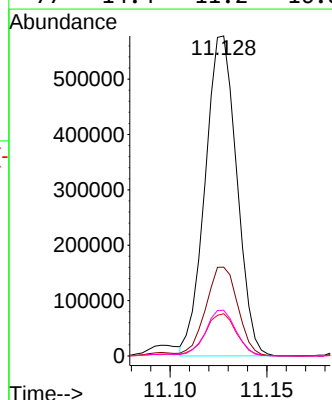
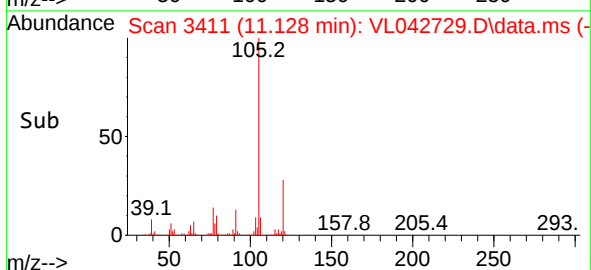
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

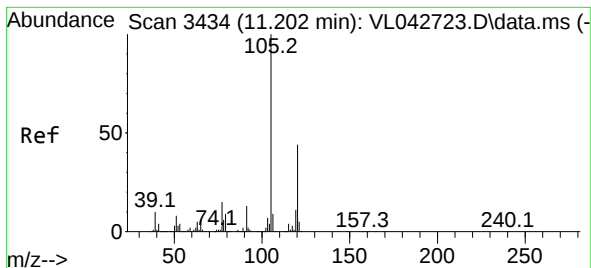


#72
4-Ethyltoluene
Concen: 15.147 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21



Tgt Ion:105 Resp: 656672
Ion Ratio Lower Upper
105 100
120 29.2 23.4 35.0
91 13.8 10.6 15.8
77 14.4 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 15.316 ppbv

RT: 11.205 min Scan# 3434

Delta R.T. 0.003 min

Lab File: VL042729.D

Acq: 22 Jul 2025 12:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:105 Resp: 54918

Ion Ratio Lower Upper

105 100

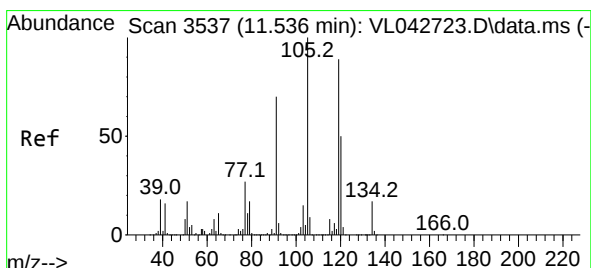
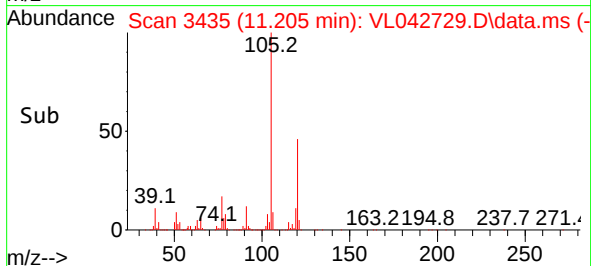
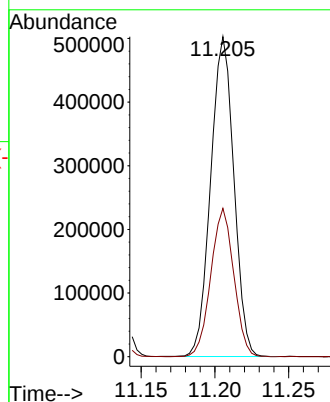
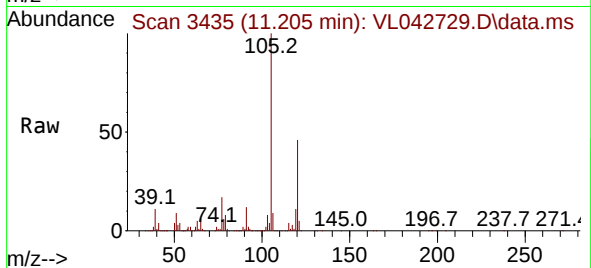
120 46.3 35.2 52.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#74

1,2,4-Trimethylbenzene

Concen: 15.128 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL042729.D

Acq: 22 Jul 2025 12:21

Tgt Ion:105 Resp: 595156

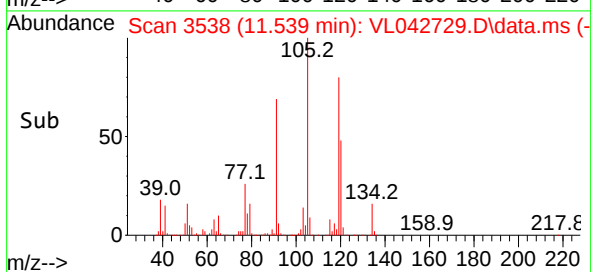
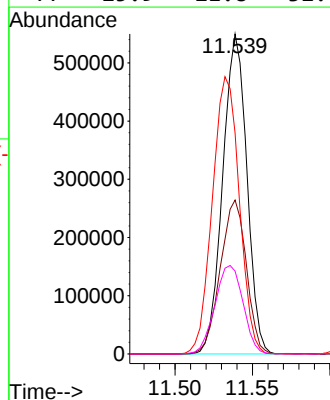
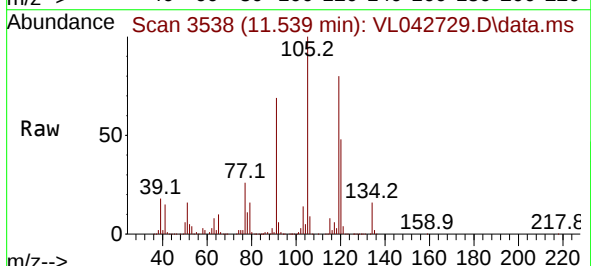
Ion Ratio Lower Upper

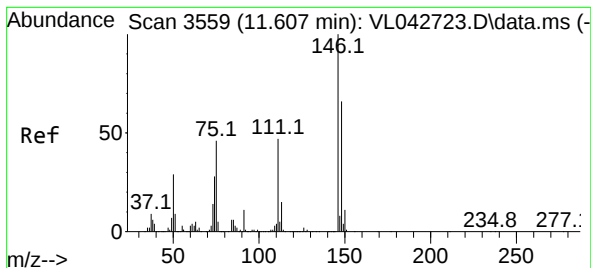
105 100

120 48.1 39.9 59.9

91 69.0 56.5 84.7

77 25.9 21.8 32.6





#75

1,3-Dichlorobenzene

Concen: 14.254 ppbv

RT: 11.610 min Scan# 3559

Delta R.T. 0.003 min

Lab File: VL042729.D

Acq: 22 Jul 2025 12:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:146 Resp: 375000

Ion Ratio Lower Upper

146 100

111 47.0 23.5 70.5

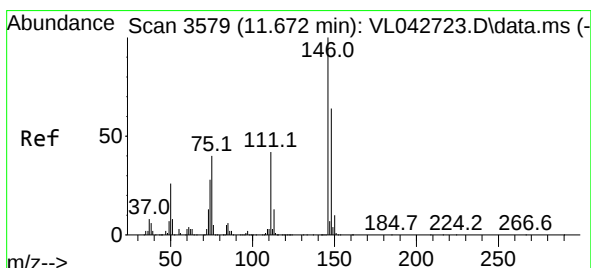
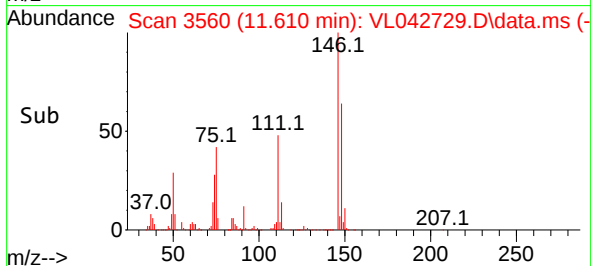
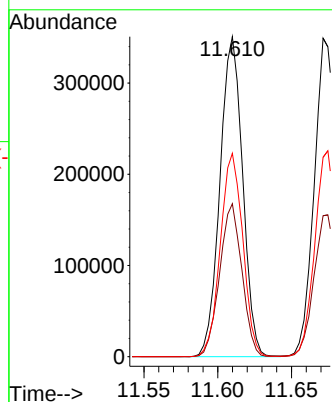
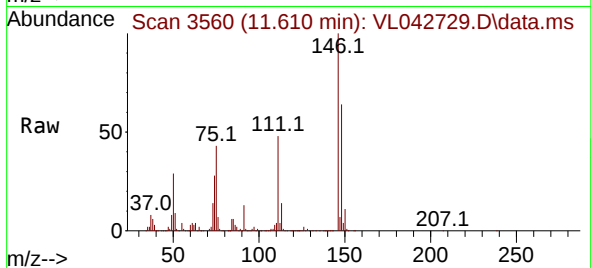
148 63.1 32.6 98.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#76

1,4-Dichlorobenzene

Concen: 14.665 ppbv

RT: 11.671 min Scan# 3579

Delta R.T. -0.000 min

Lab File: VL042729.D

Acq: 22 Jul 2025 12:21

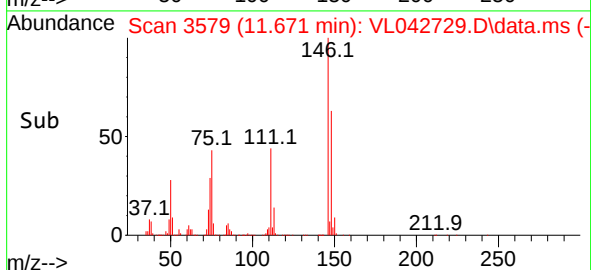
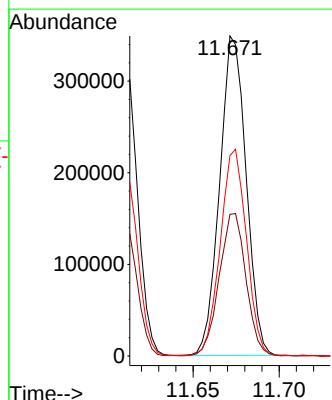
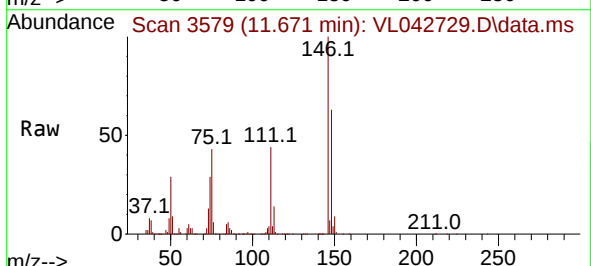
Tgt Ion:146 Resp: 373186

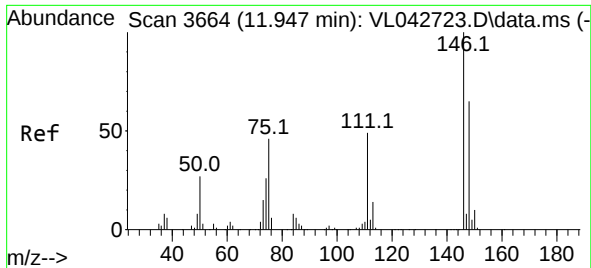
Ion Ratio Lower Upper

146 100

111 45.2 22.1 66.1

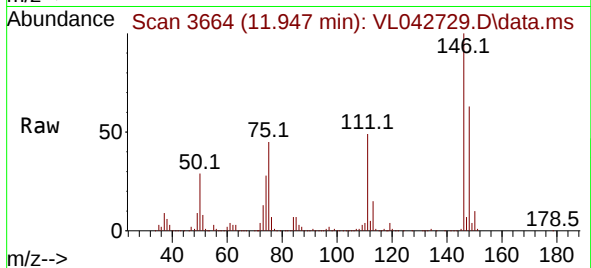
148 64.4 32.1 96.5





#77
1,2-Dichlorobenzene
Concen: 14.199 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21

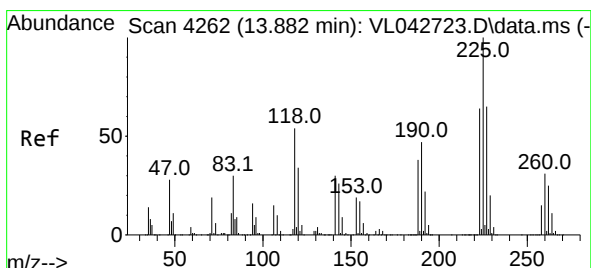
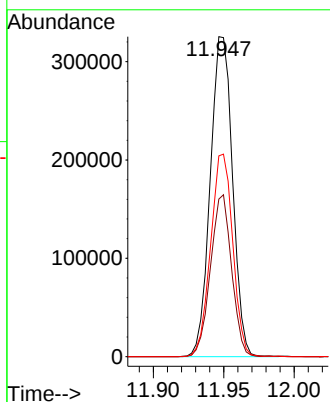
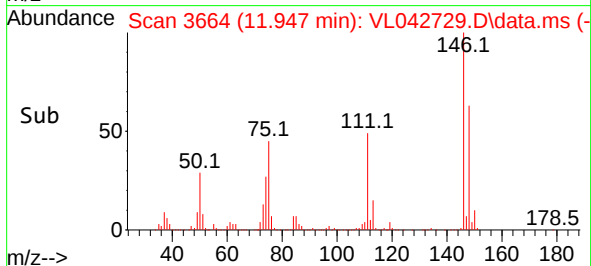
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



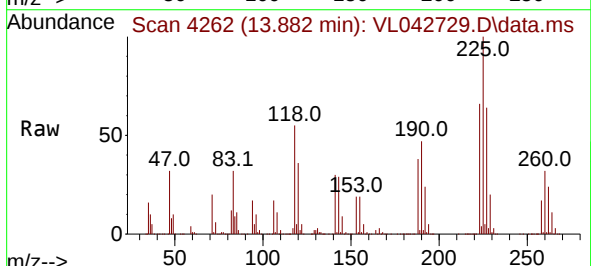
Tgt Ion:146 Resp: 35812
Ion Ratio Lower Upper
146 100
111 48.1 24.9 74.6
148 62.9 32.0 96.0

Manual Integrations
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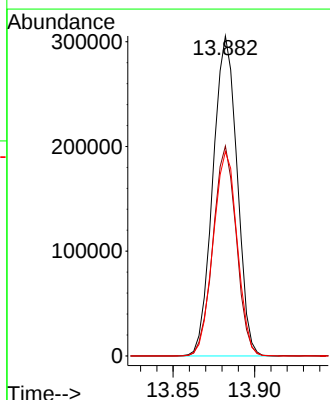
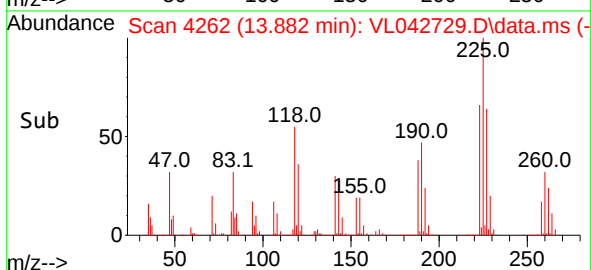
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

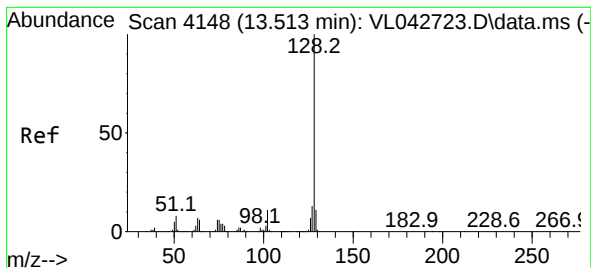


#78
Hexachloro-1,3-Butadiene
Concen: 12.817 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.000 min
Lab File: VL042729.D
Acq: 22 Jul 2025 12:21



Tgt Ion:225 Resp: 314656
Ion Ratio Lower Upper
225 100
223 63.2 51.3 76.9
227 63.5 51.8 77.8





#79

Naphthalene

Concen: 21.221 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. -0.000 min

Lab File: VL042729.D

Acq: 22 Jul 2025 12:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

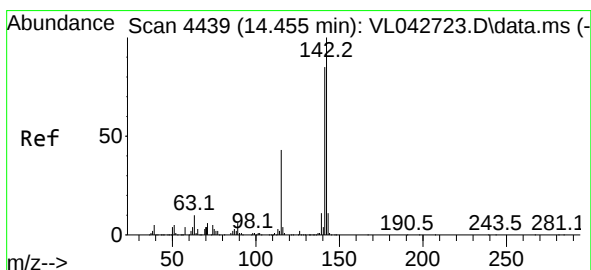
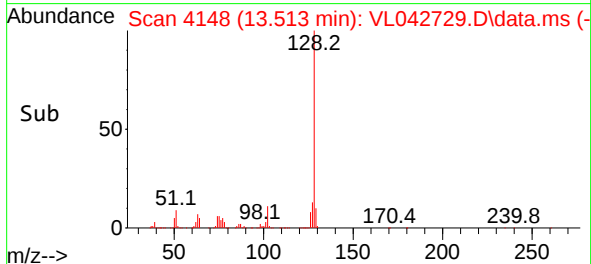
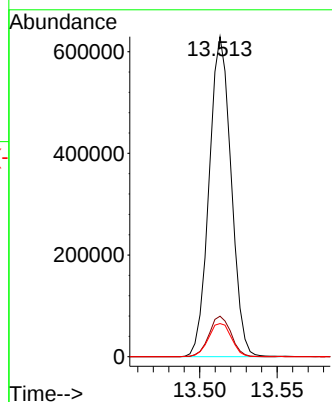
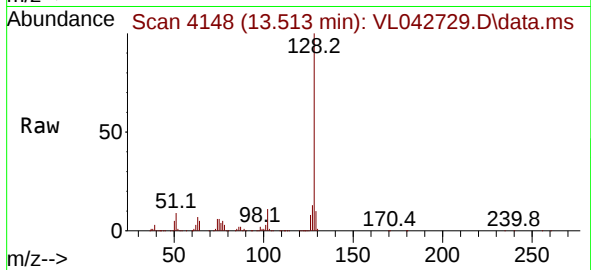
Tgt Ion:128 Resp: 62242

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.3	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#80

Naphthalene,2-methyl-

Concen: 34.044 ppbv

RT: 14.458 min Scan# 4440

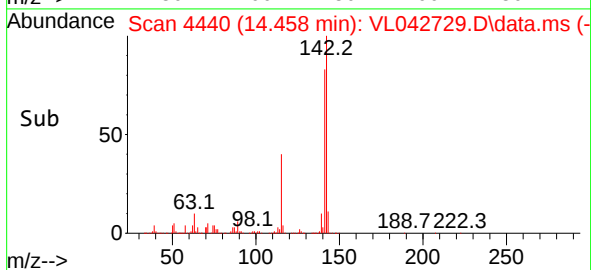
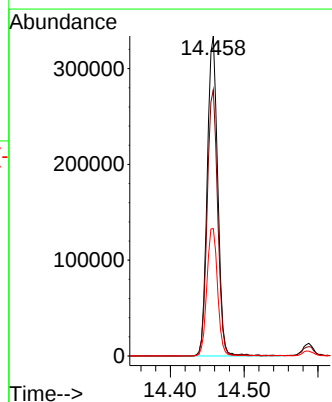
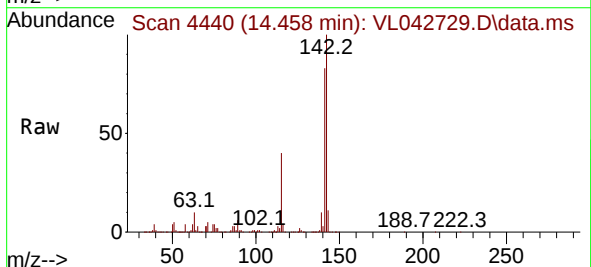
Delta R.T. 0.003 min

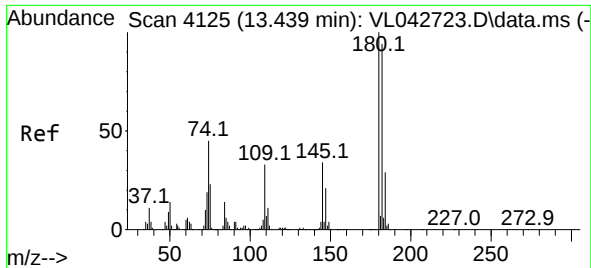
Lab File: VL042729.D

Acq: 22 Jul 2025 12:21

Tgt Ion:142 Resp: 328484

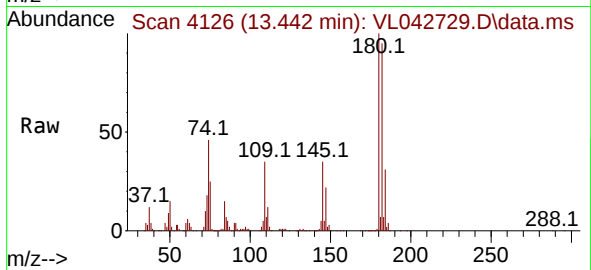
Ion	Ratio	Lower	Upper
142	100		
141	83.6	65.6	98.4
115	40.7	31.7	47.5





#81
 1,2,4-Trichlorobenzene
 Concen: 18.788 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042729.D
 Acq: 22 Jul 2025 12:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:180 Resp: 337229
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.1 115.7
 184 29.9 25.0 37.4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

