

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042725.D
 Acq On : 22 Jul 2025 10:04
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

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

Quant Time: Jul 23 01:31:02 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)

Internal Standards						
1) Bromochloromethane	2.787	49	103555	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	310806	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	278751	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 222231 9.864 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	16902	1.046	ppbv	94
3) Chlorodifluoromethane	1.476	51	19069	1.042	ppbv	100
4) Chloromethane	1.534	50	6628	1.001	ppbv	90
5) Vinyl Chloride	1.580	62	5802	0.887	ppbv	95
6) Bromomethane	1.670	94	2716	1.026	ppbv	91
7) Chloroethane	1.706	64	2679	1.077	ppbv #	65
8) Dichlorotetrafluoroethane	1.554	85	14368	1.054	ppbv	93
9) Propene	1.486	41	6386m	0.982	ppbv	
10) Heptane	4.981	43	18122	1.000	ppbv	96
11) Trichlorofluoromethane	1.877	101	17489	1.051	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.143	101	13205	1.014	ppbv	93
13) Ethanol	1.722	45	1397	1.335	ppbv	95
14) Bromoethene	1.784	108	4818	1.038	ppbv #	96
15) Acetone	1.835	43	20087	1.158	ppbv	98
16) 1,3-Butadiene	1.609	39	8053	1.084	ppbv	91
17) tert-Butyl alcohol	2.042	59	16566	1.006	ppbv	97
18) 1,1-Dichloroethene	2.036	96	5692	1.028	ppbv	88
19) Isopropyl Alcohol	1.887	45	9777	1.064	ppbv #	47
20) Methylene Chloride	2.062	84	5808	1.066	ppbv	91
21) Allyl Chloride	2.098	41	10949	0.985	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	6511m	1.022	ppbv	
23) Vinyl Acetate	2.463	43	20075	1.016	ppbv #	94
24) 1,1-Dichloroethane	2.411	63	12694	0.999	ppbv #	92
25) Ethyl Acetate	2.835	43	32671	1.021	ppbv	96
26) Hexane	2.829	57	14402	1.026	ppbv	97
27) Carbon Disulfide	2.149	76	14863	0.991	ppbv #	32
28) Methyl tert-Butyl Ether	2.441	73	8723	1.069	ppbv	91
29) Chloroform	2.848	83	24340	1.050	ppbv	95
30) Cyclohexane	3.855	84	12078	0.986	ppbv	88
31) cis-1,2-Dichloroethene	2.719	61	15120m	1.000	ppbv	
32) 1,1,1-Trichloroethane	3.366	97	24377	0.999	ppbv	97
34) 2-Butanone	2.557	43	21976	1.027	ppbv	93
35) Carbon Tetrachloride	3.764	117	24918	0.978	ppbv	96
36) Benzene	3.654	78	30476	1.055	ppbv #	92
37) 1,2-Dichloroethane	3.217	62	19799	1.075	ppbv	99
38) Trichloroethene	4.544	130	14891m	1.059	ppbv	
39) 1,2-Dichloropropane	4.318	63	11159	1.038	ppbv	95
40) 1,4-Dioxane	4.593	88	6100m	1.231	ppbv	
41) Tetrahydrofuran	3.062	42	10967	1.003	ppbv	94
42) Bromodichloromethane	4.493	83	25547m	1.060	ppbv	
43) Methyl Methacrylate	4.887	69	12080m	1.091	ppbv	
44) 2,2,4-Trimethylpentane	4.645	57	51712m	1.086	ppbv	
45) t-1,3-Dichloropropene	6.415	75	14507	1.065	ppbv	100

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Instrument :
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Manual Integrations
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 Supervised By :Mahesh Dadoda 07/23/2025

Quant Time: Jul 23 01:31:02 2025

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

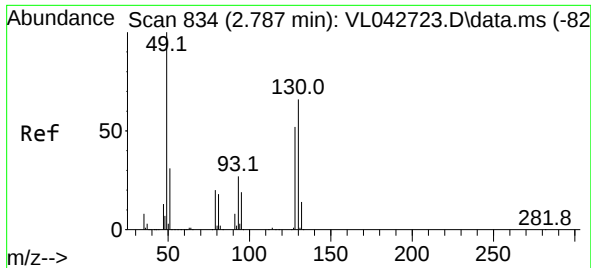
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

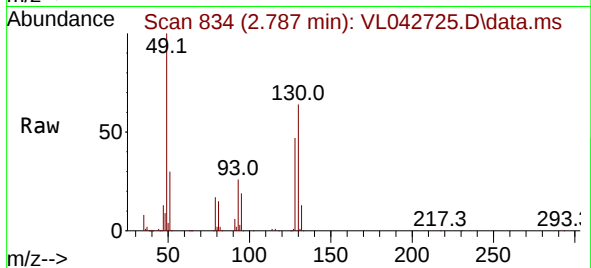
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	16434m	1.016	ppbv	
47) 1,1,2-Trichloroethane	6.587	97	12987m	1.103	ppbv	
48) Dibromochloromethane	7.386	129	20308	1.037	ppbv	99
49) Bromoform	9.483	173	17210	1.013	ppbv	98
50) 4-Methyl-2-Pentanone	5.765	43	28353m	1.007	ppbv	
51) 2-Hexanone	7.441	43	22958	1.019	ppbv #	99
52) Tetrachloroethene	8.224	164	12230	1.051	ppbv	92
53) Toluene	6.936	91	33449m	1.027	ppbv	
54) 1,2-Dibromoethane	7.655	107	18051	1.025	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.924	131	15275	1.017	ppbv	94
57) Chlorobenzene	8.920	112	28147	1.059	ppbv #	92
58) Ethyl Benzene	9.357	91	47989	1.031	ppbv	99
59) m/p-Xylene	9.551	91	76491m	2.050	ppbv	
60) o-Xylene	9.966	91	39281	1.044	ppbv	96
61) Styrene	9.878	104	16795m	1.037	ppbv	
62) Isopropylbenzene	10.542	105	58251	1.042	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	21288	0.990	ppbv	99
64) n-propylbenzene	10.989	120	14662	1.040	ppbv	100
65) tert-Butylbenzene	11.532	119	52792	1.055	ppbv	99
66) Benzyl Chloride	11.620	91	4588	0.965	ppbv #	91
67) sec-Butylbenzene	11.769	105	71871	1.046	ppbv	97
69) p-Isopropyltoluene	11.930	119	60634	1.053	ppbv	99
70) n-Butylbenzene	12.283	91	56605	1.029	ppbv	99
71) 2-Chlorotoluene	10.901	91	43753	1.032	ppbv	100
72) 4-Ethyltoluene	11.128	105	45501	1.014	ppbv	96
73) 1,3,5-Trimethylbenzene	11.205	105	37503	1.011	ppbv	91
74) 1,2,4-Trimethylbenzene	11.539	105	41241	1.013	ppbv	89
75) 1,3-Dichlorobenzene	11.610	146	28504	1.047	ppbv	98
76) 1,4-Dichlorobenzene	11.671	146	27656	1.050	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	28594	1.096	ppbv	97
78) Hexachloro-1,3-Butadiene	13.882	225	29228	1.151	ppbv	98
79) Naphthalene	13.513	128	24671	0.813	ppbv #	96
80) Naphthalene,2-methyl-	14.468	142	2244m	0.225	ppbv	
81) 1,2,4-Trichlorobenzene	13.439	180	16773	0.903	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

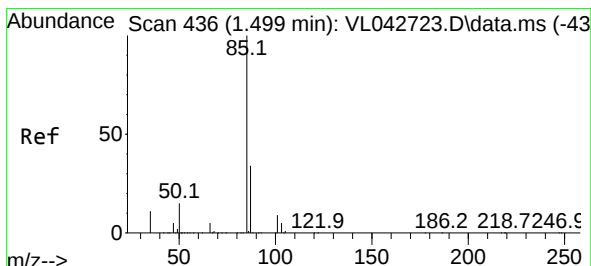
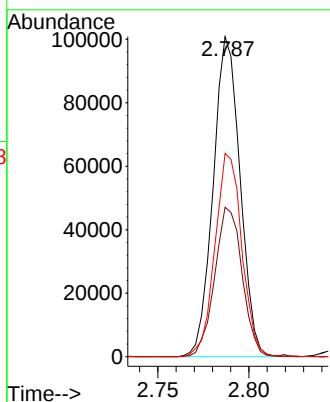
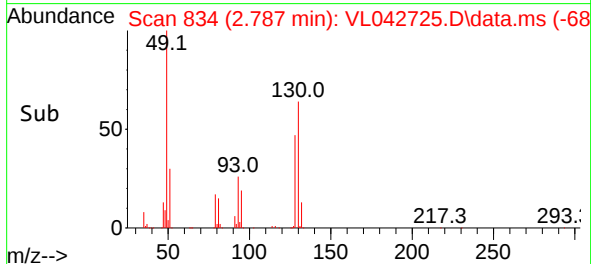
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



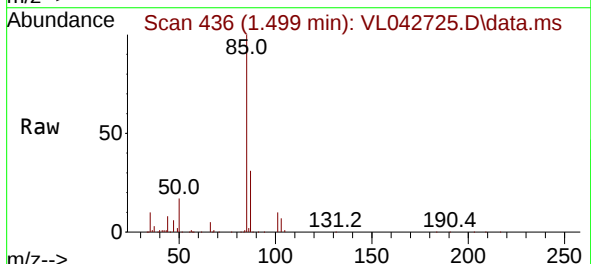
Tgt Ion: 49 Resp: 10355
Ion Ratio Lower Upper
49 100
128 47.7 24.5 73.5
130 63.4 31.7 95.1

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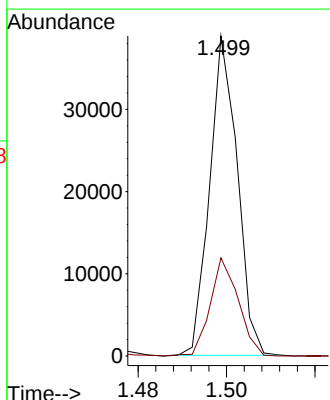
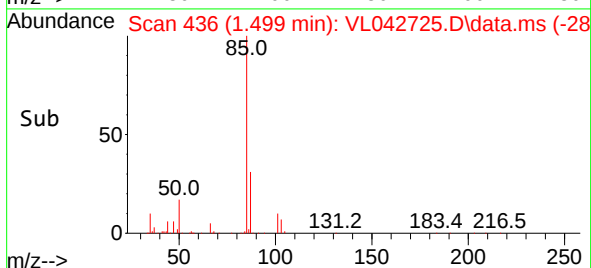
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

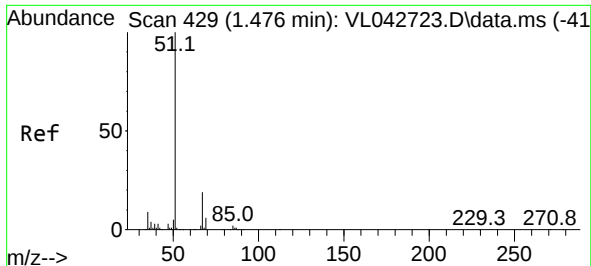


#2
Dichlorodifluoromethane
Concen: 1.046 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04



Tgt Ion: 85 Resp: 16902
Ion Ratio Lower Upper
85 100
87 30.7 27.5 41.3





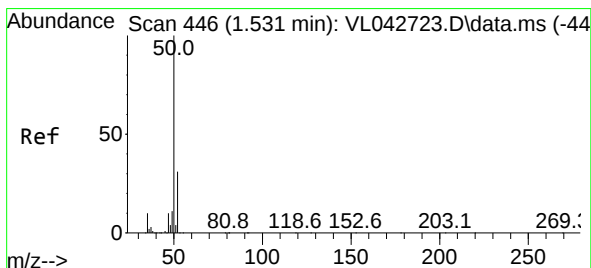
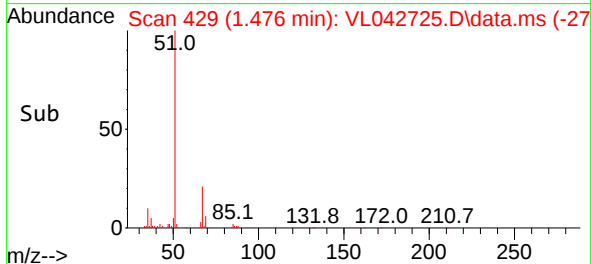
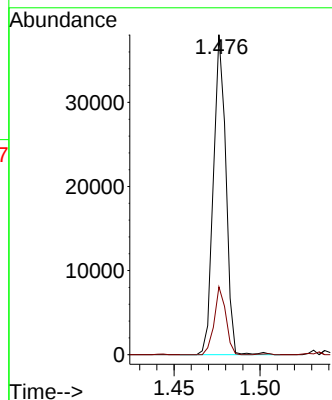
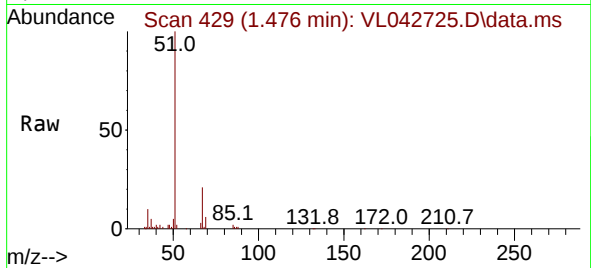
#3
Chlorodifluoromethane
Concen: 1.042 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 51 Resp: 19069
Ion Ratio Lower Upper
51 100
67 20.1 16.0 24.0

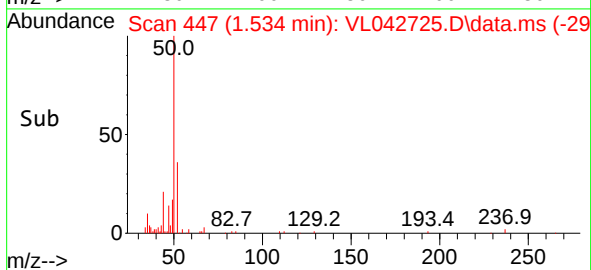
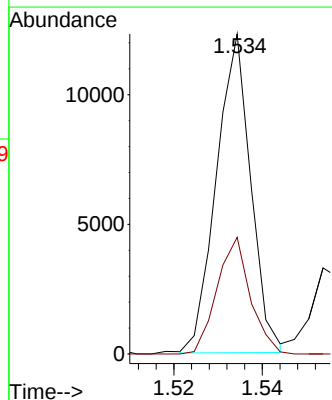
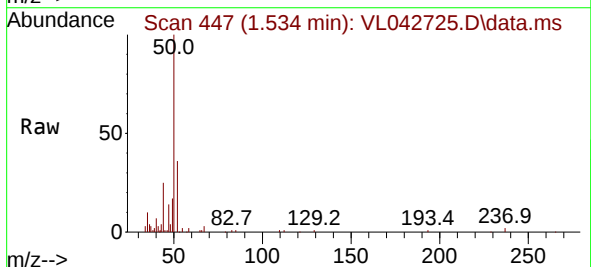
Manual Integrations
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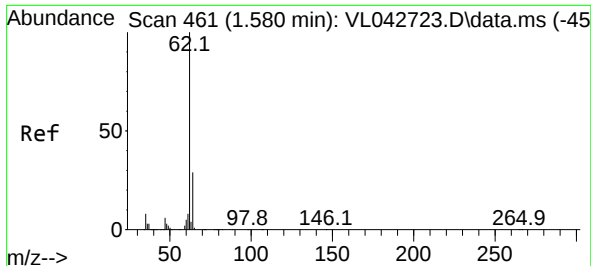
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#4
Chloromethane
Concen: 1.001 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

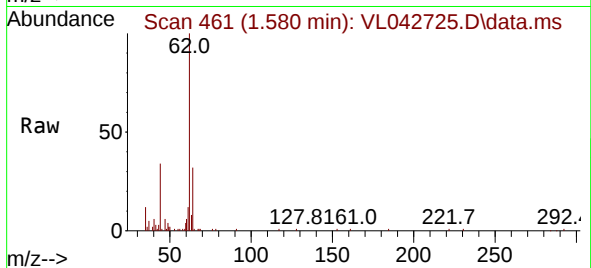
Tgt Ion: 50 Resp: 6628
Ion Ratio Lower Upper
50 100
52 36.7 24.9 37.3





#5
 Vinyl Chloride
 Concen: 0.887 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

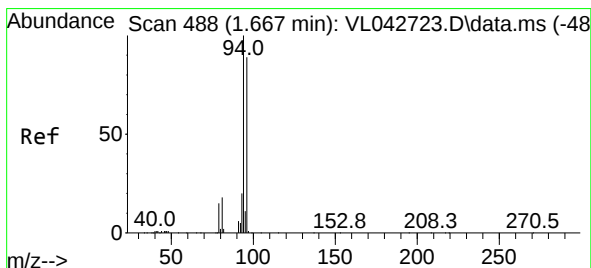
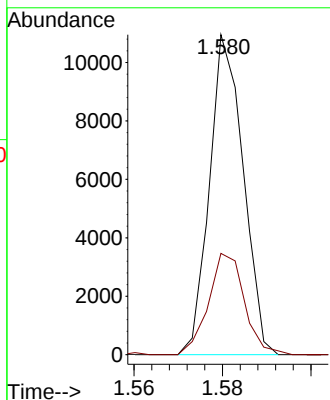
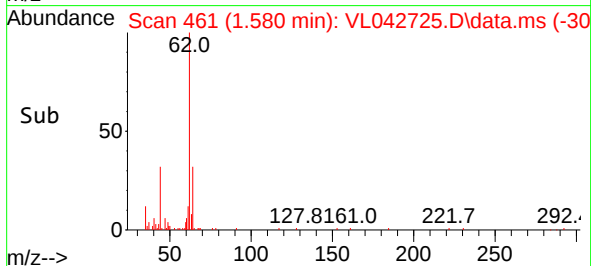
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001



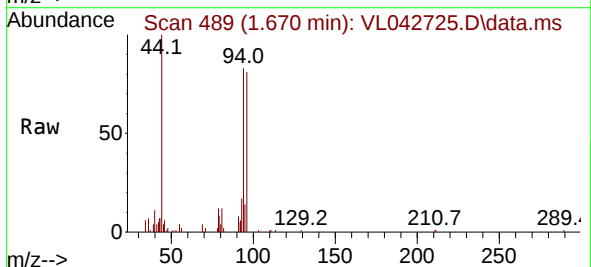
Tgt Ion: 62 Resp: 5802
 Ion Ratio Lower Upper
 62 100
 64 31.6 23.0 34.6

Manual Integrations
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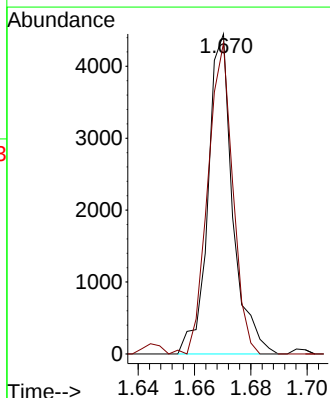
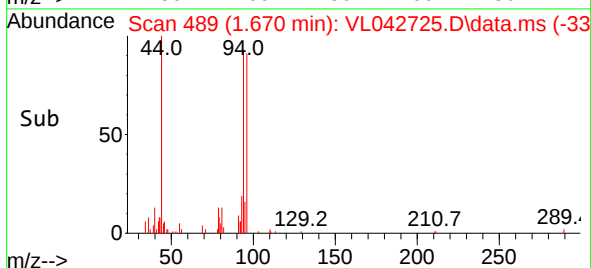
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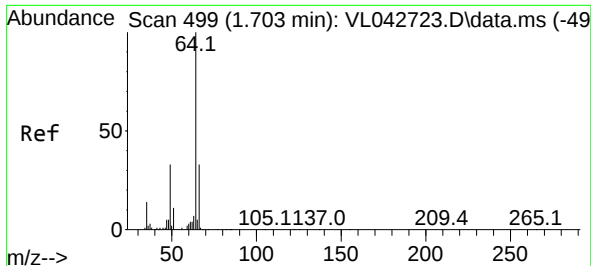


#6
 Bromomethane
 Concen: 1.026 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04



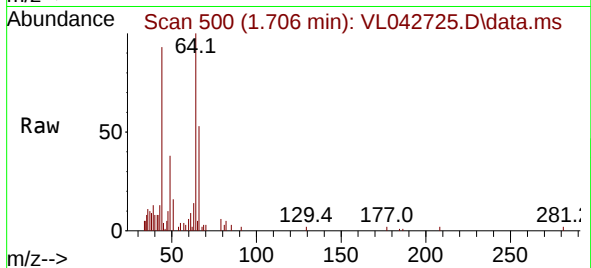
Tgt Ion: 94 Resp: 2716
 Ion Ratio Lower Upper
 94 100
 96 97.1 71.1 106.7





#7
Chloroethane
Concen: 1.077 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

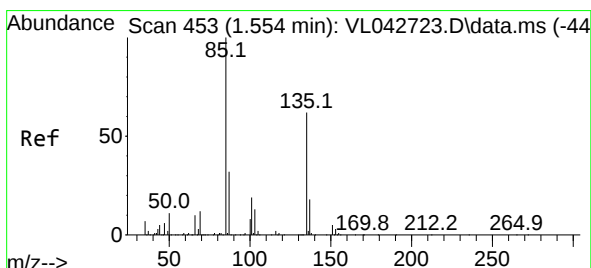
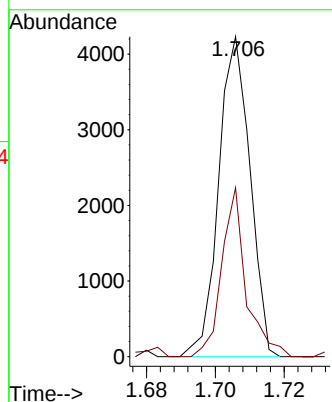
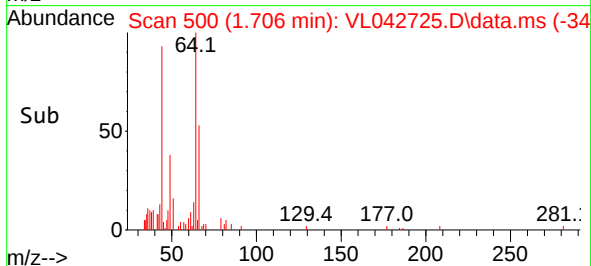
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



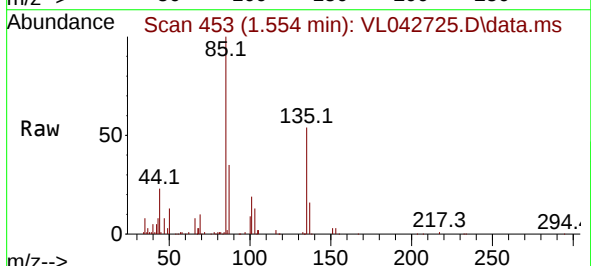
Tgt Ion: 64 Resp: 2679
Ion Ratio Lower Upper
64 100
66 52.8 26.4 39.6

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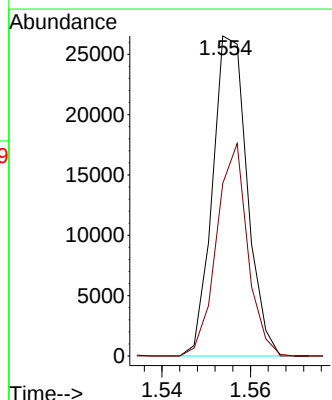
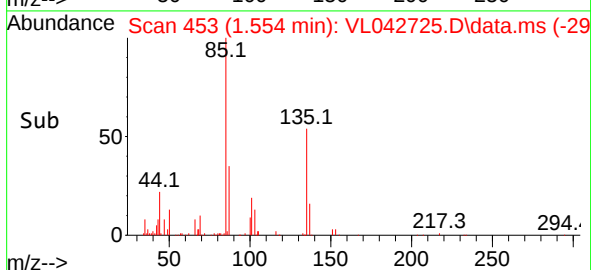
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

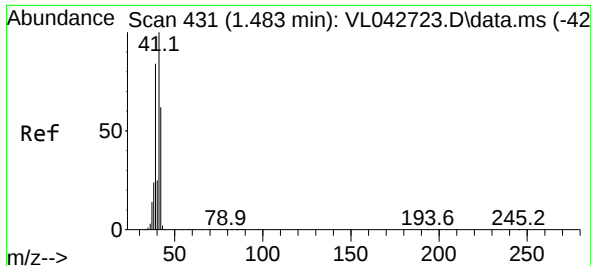


#8
Dichlorotetrafluoroethane
Concen: 1.054 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04



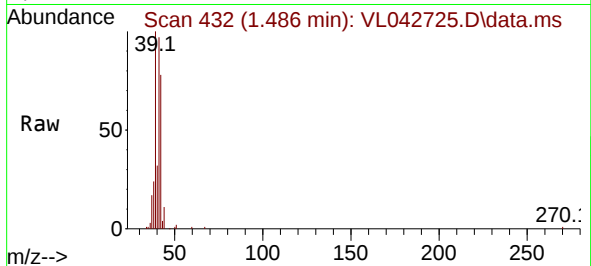
Tgt Ion: 85 Resp: 14368
Ion Ratio Lower Upper
85 100
135 59.5 52.0 78.0





#9
 Propene
 Concen: 0.982 ppbv m
 RT: 1.486 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

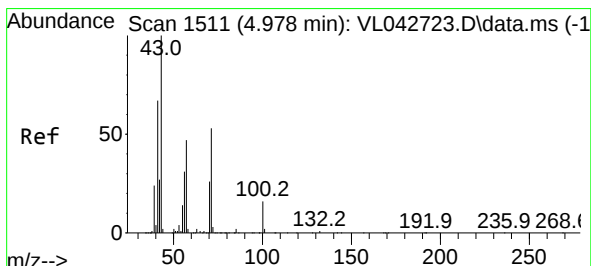
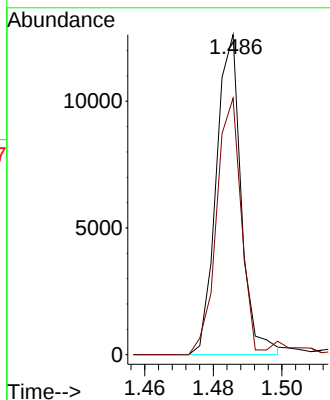
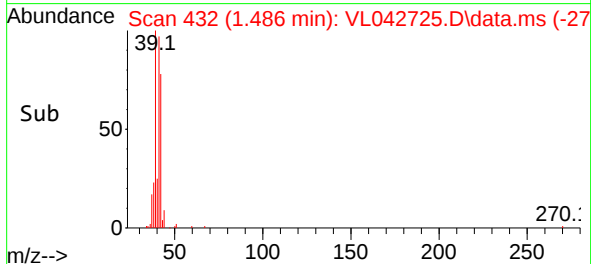
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



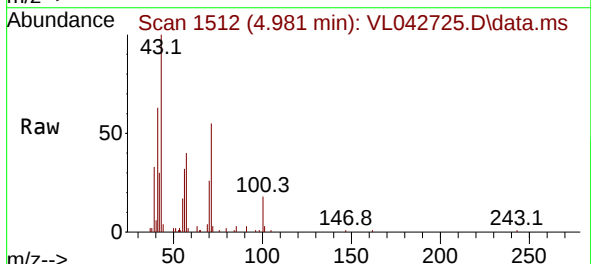
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 Ion Ratio Lower Upper
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 42 16.5 52.0 78.0

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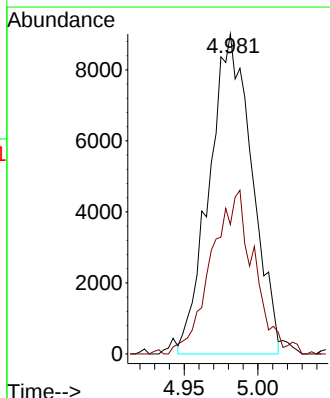
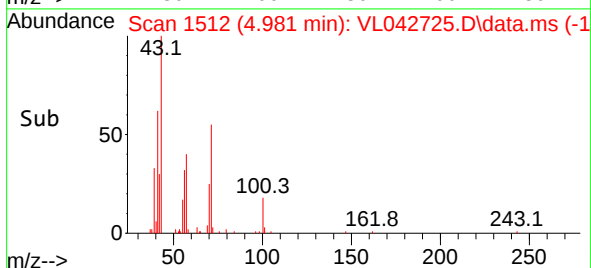
Reviewed By :Semsettin Yesilyurt 07/23/2025
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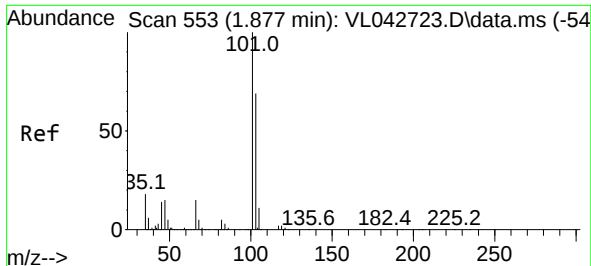


#10
 Heptane
 Concen: 1.000 ppbv
 RT: 4.981 min Scan# 1512
 Delta R.T. 0.003 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04



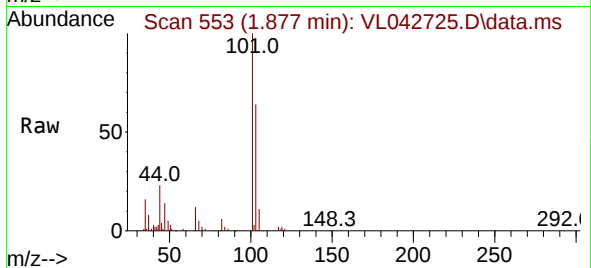
Tgt Ion: 43 Resp: 18122
 Ion Ratio Lower Upper
 43 100
 57 51.6 39.1 58.7





#11
 Trichlorofluoromethane
 Concen: 1.051 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

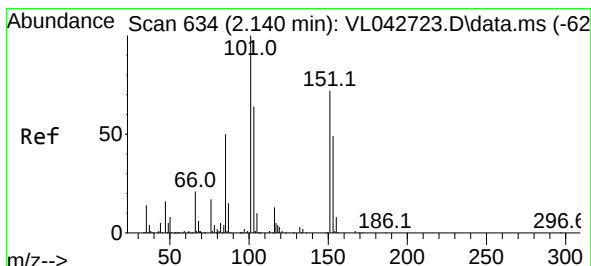
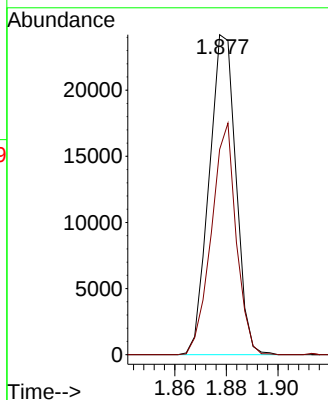
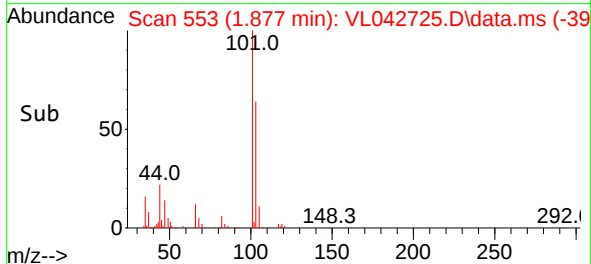
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



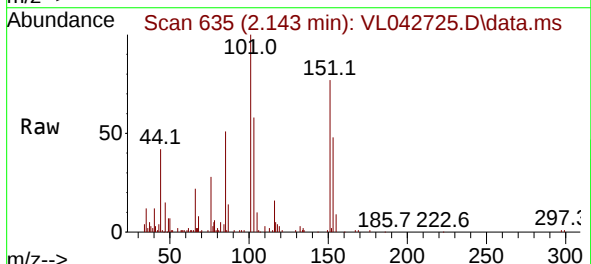
Tgt Ion:101 Resp: 17489
 Ion Ratio Lower Upper
 101 100
 103 64.2 55.2 82.8

Manual Integrations
 APPROVED

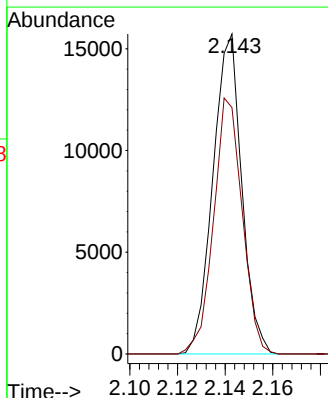
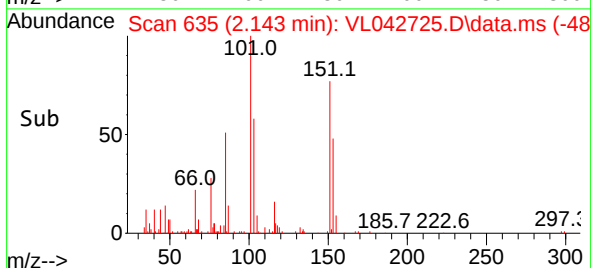
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

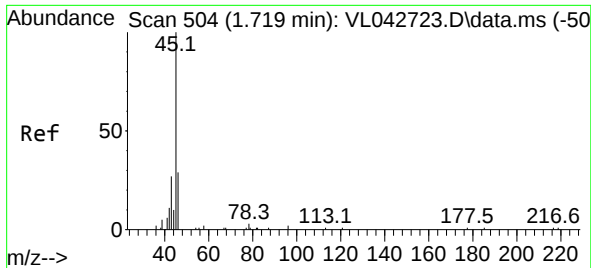


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.014 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.003 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04



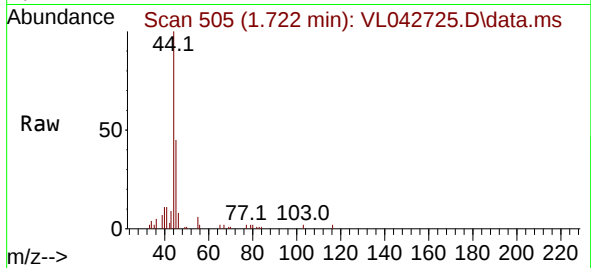
Tgt Ion:101 Resp: 13205
 Ion Ratio Lower Upper
 101 100
 151 79.6 59.1 88.7





#13
Ethanol
Concen: 1.335 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

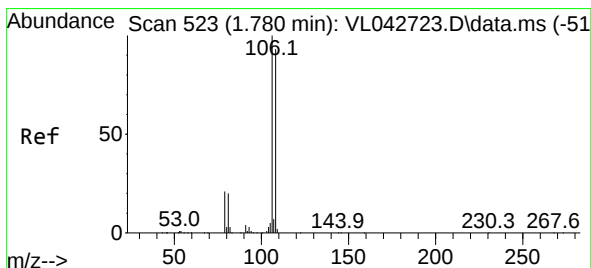
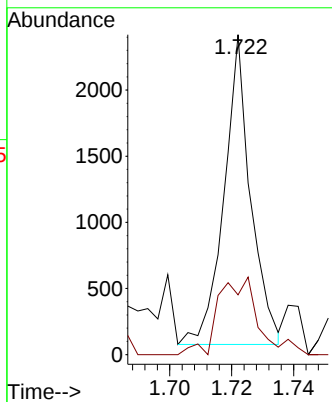
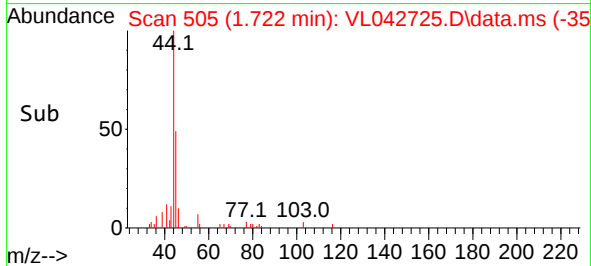
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 45 Resp: 139
Ion Ratio Lower Upper
45 100
46 43.5 16.3 65.1

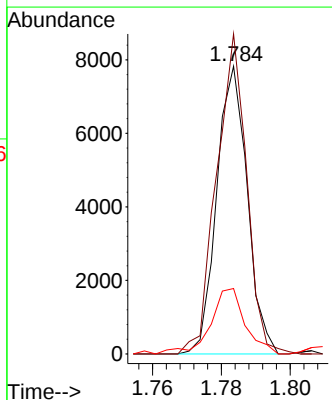
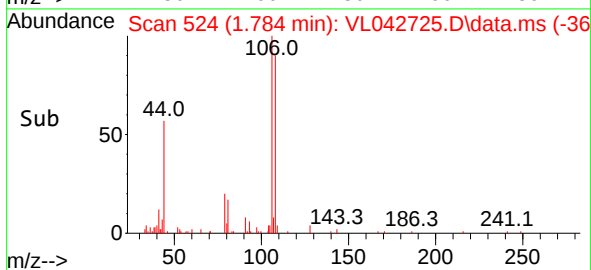
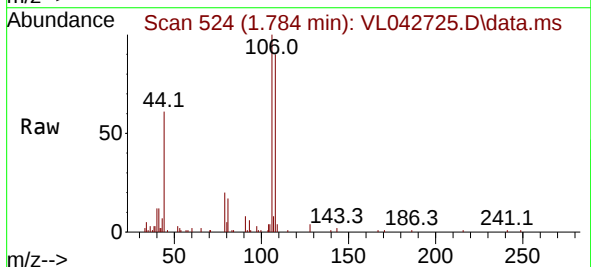
Manual Integrations
APPROVED

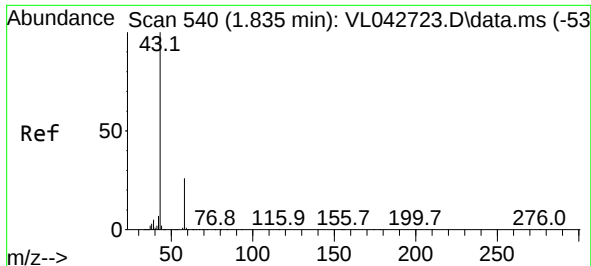
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#14
Bromoethene
Concen: 1.038 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

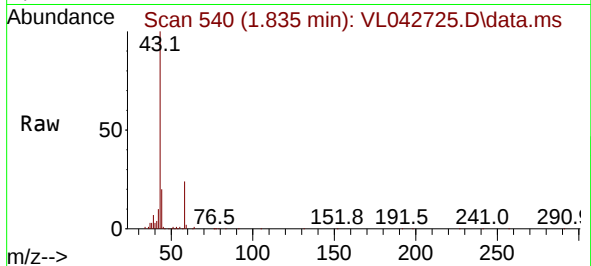
Tgt Ion:108 Resp: 4818
Ion Ratio Lower Upper
108 100
106 109.6 85.4 128.0
79 27.8 17.4 26.2#





#15
Acetone
Concen: 1.158 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

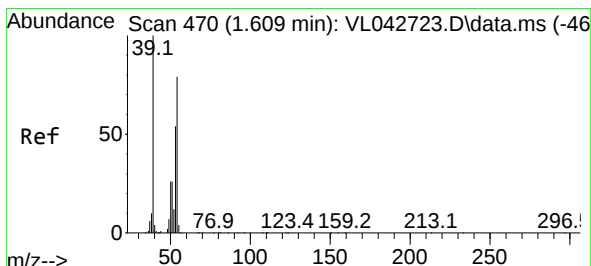
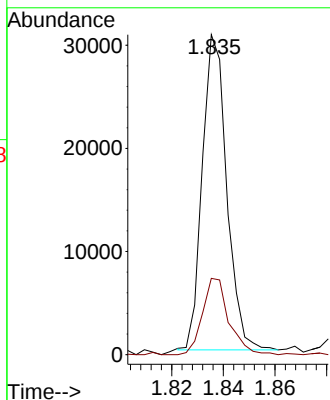
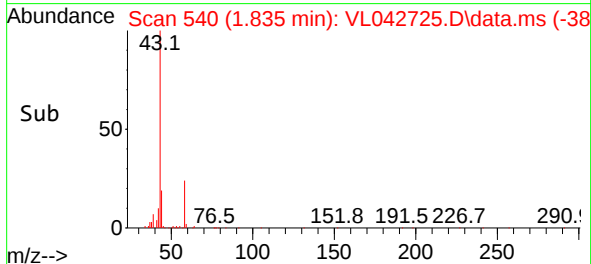
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



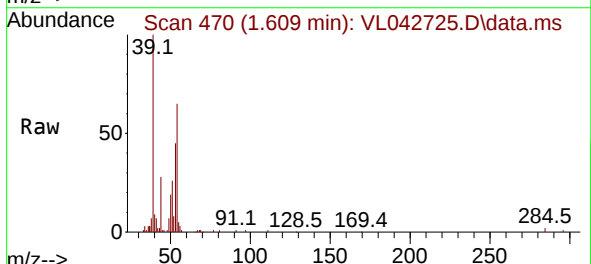
Tgt Ion: 43 Resp: 2008
Ion Ratio Lower Upper
43 100
58 26.5 20.5 30.7

Manual Integrations
APPROVED

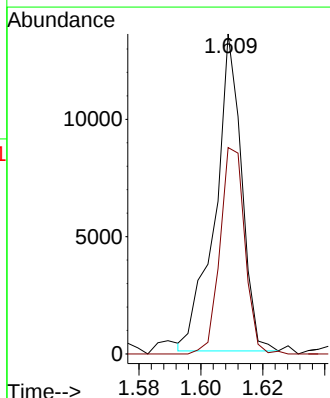
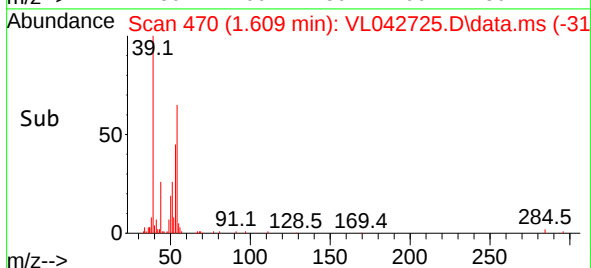
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

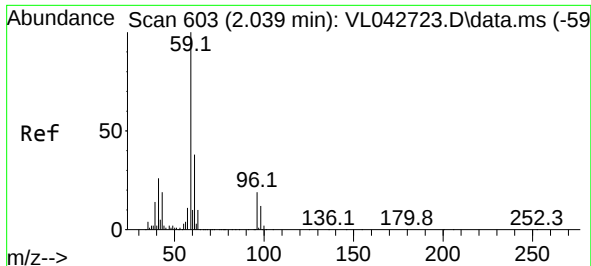


#16
1,3-Butadiene
Concen: 1.084 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04



Tgt Ion: 39 Resp: 8053
Ion Ratio Lower Upper
39 100
54 61.0 54.6 82.0





#17

tert-Butyl alcohol

Concen: 1.006 ppbv

RT: 2.042 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 59 Resp: 1656

Ion Ratio Lower Upper

59 100

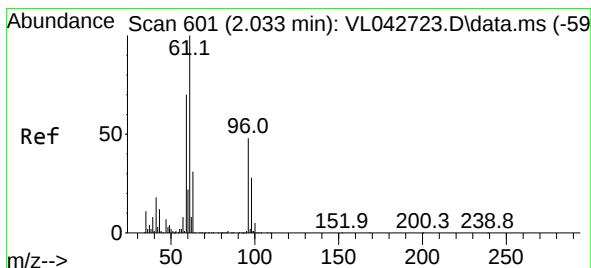
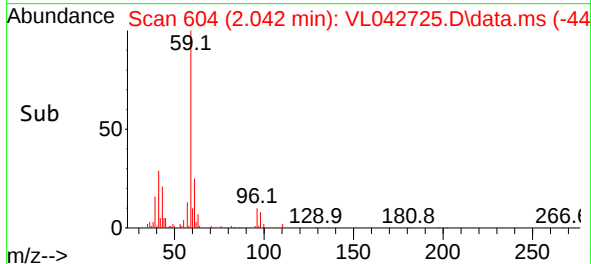
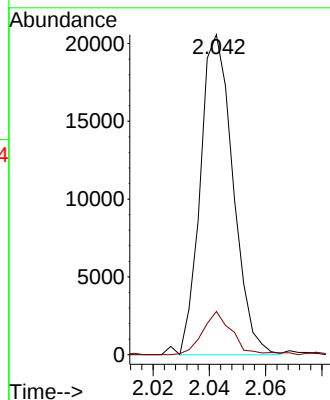
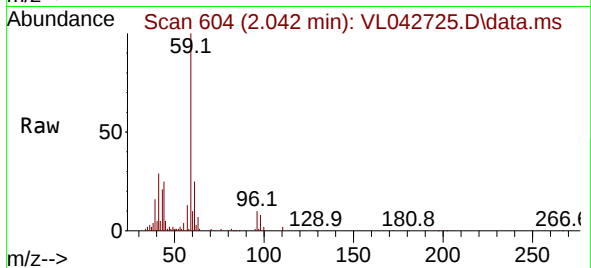
57 12.7 9.1 13.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#18

1,1-Dichloroethene

Concen: 1.028 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

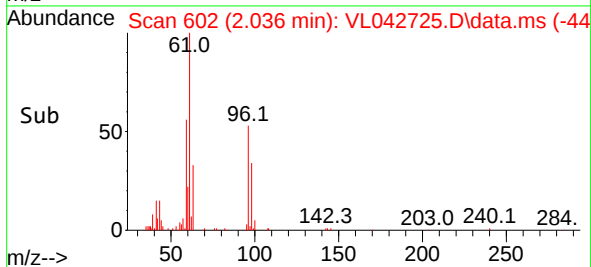
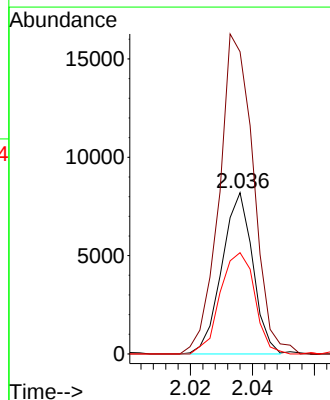
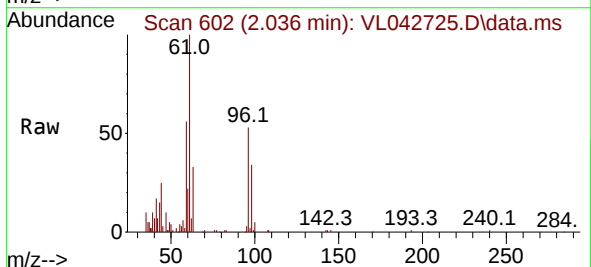
Tgt Ion: 96 Resp: 5692

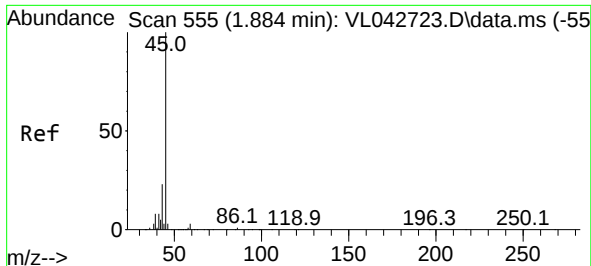
Ion Ratio Lower Upper

96 100

61 187.3 166.2 249.4

98 62.8 46.1 69.1





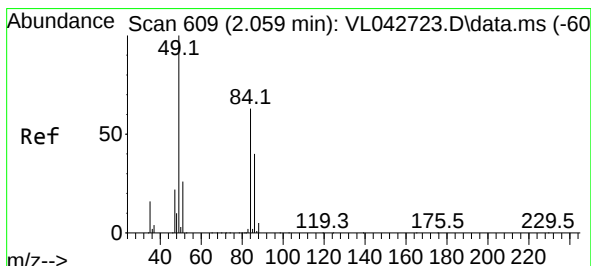
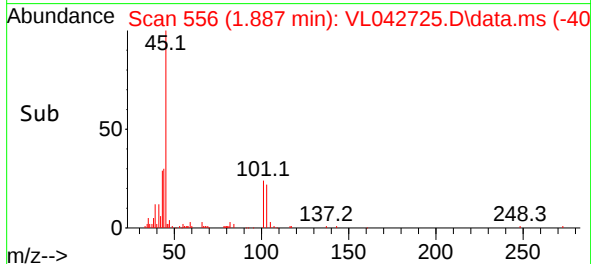
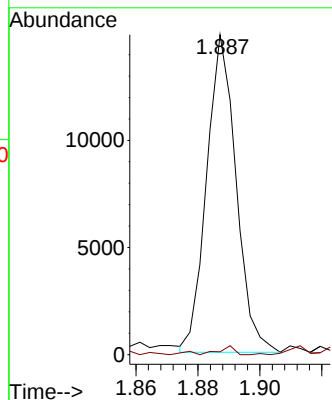
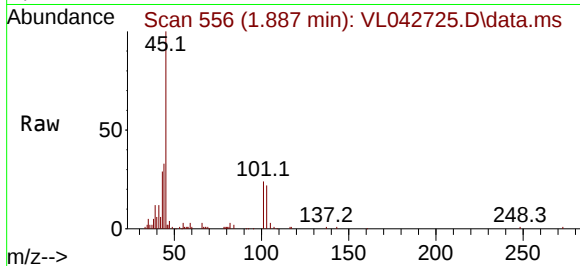
#19
Isopropyl Alcohol
Concen: 1.064 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 45 Resp: 977
Ion Ratio Lower Upper
45 100
58 6.3 30.6 46.0

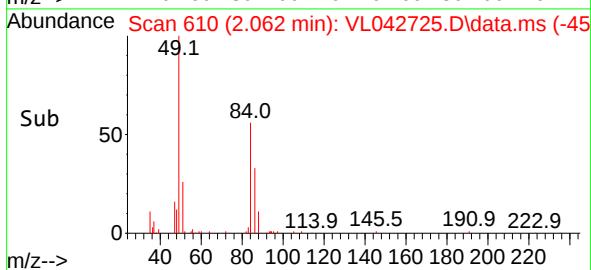
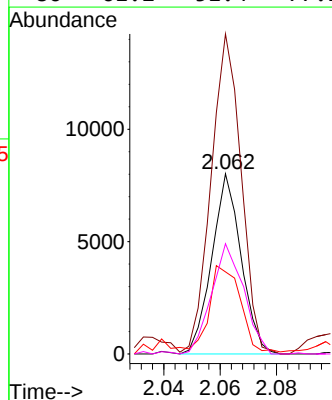
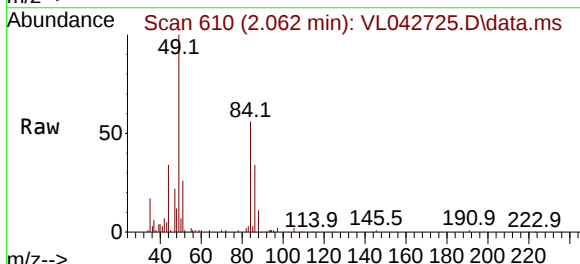
Manual Integrations
APPROVED

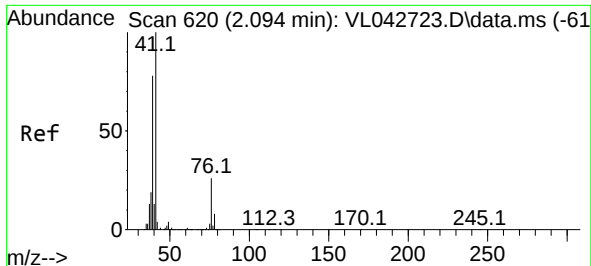
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#20
Methylene Chloride
Concen: 1.066 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 84 Resp: 5808
Ion Ratio Lower Upper
84 100
49 177.6 128.2 192.4
51 44.4 34.5 51.7
86 61.2 51.4 77.2





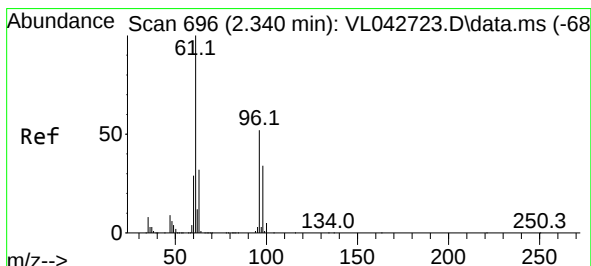
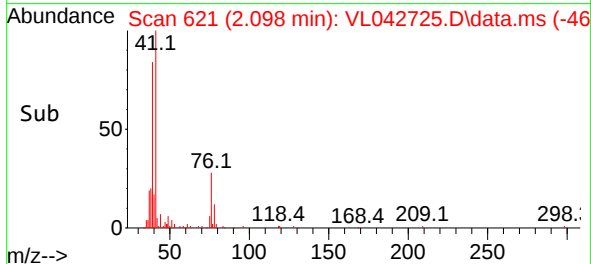
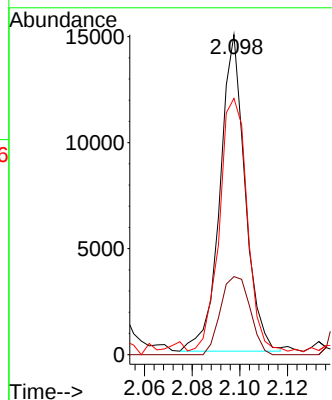
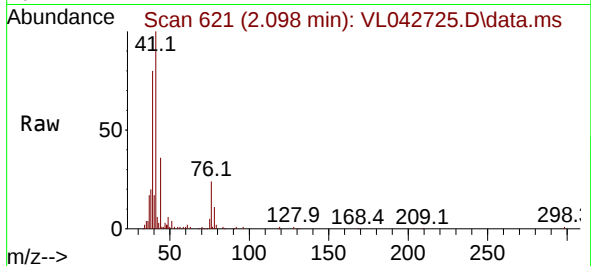
#21
 Allyl Chloride
 Concen: 0.985 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 41 Resp: 10949
 Ion Ratio Lower Upper
 41 100
 76 28.9 22.1 33.1
 39 83.8 64.7 97.1

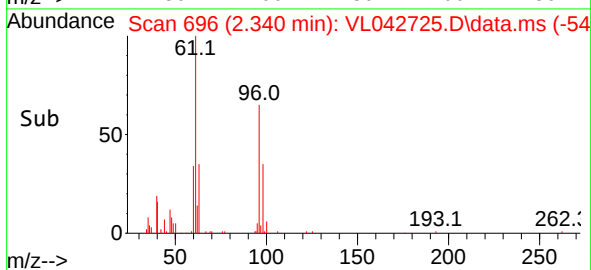
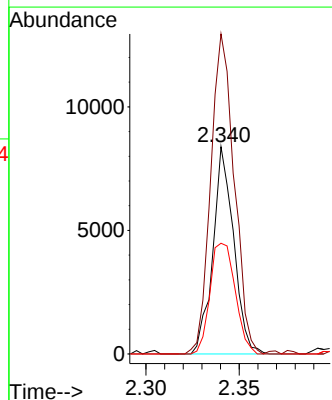
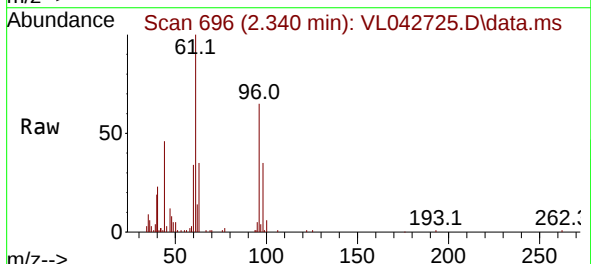
Manual Integrations
 APPROVED

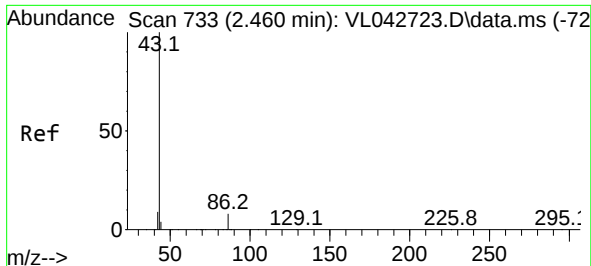
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#22
 trans-1,2-Dichloroethene
 Concen: 1.022 ppbv m
 RT: 2.340 min Scan# 696
 Delta R.T. -0.000 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

Tgt Ion: 96 Resp: 6511
 Ion Ratio Lower Upper
 96 100
 61 154.4 154.6 232.0#
 98 53.5 53.1 79.7





#23
 Vinyl Acetate
 Concen: 1.016 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

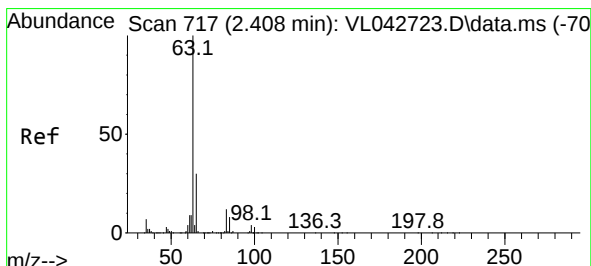
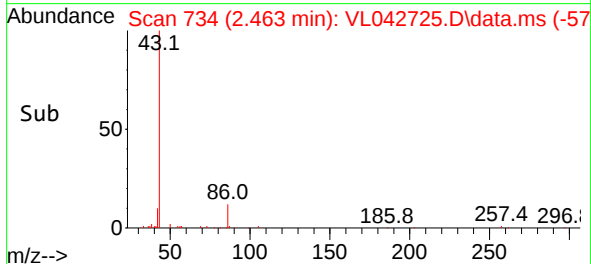
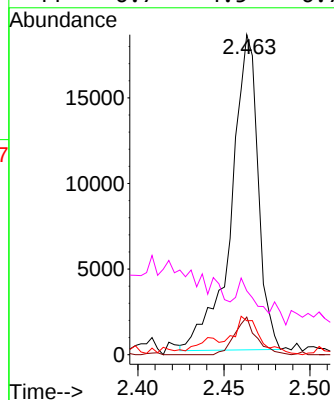
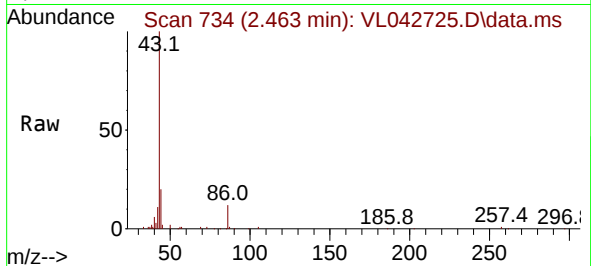
VSTDIC001

Tgt Ion: 43 Resp: 20075
 Ion Ratio Lower Upper
 43 100
 86 11.9 5.7 8.5
 42 9.2 7.9 11.9
 44 6.7 4.5 6.7

Manual Integrations

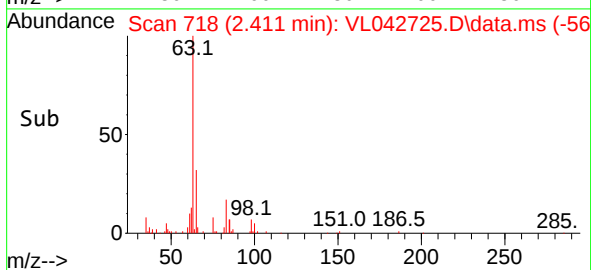
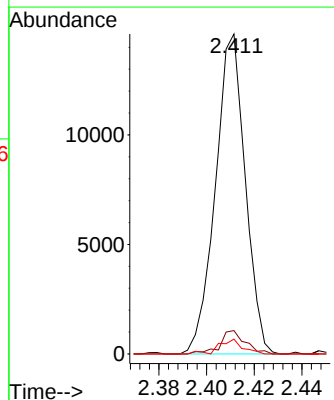
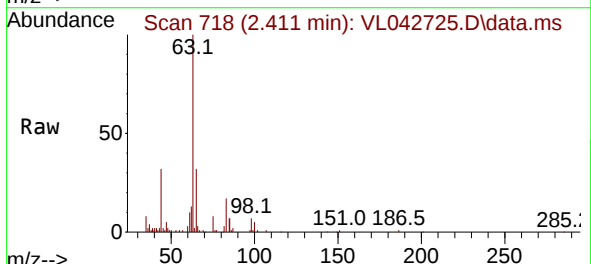
APPROVED

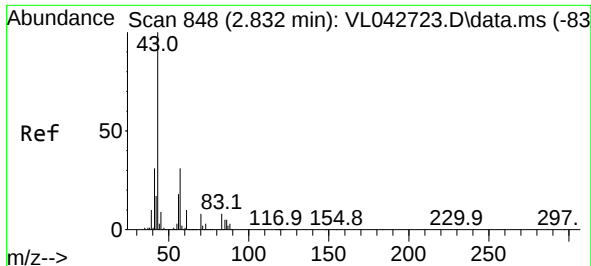
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#24
 1,1-Dichloroethane
 Concen: 0.999 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

Tgt Ion: 63 Resp: 12694
 Ion Ratio Lower Upper
 63 100
 98 7.3 2.0 5.8
 100 4.6 1.6 4.7





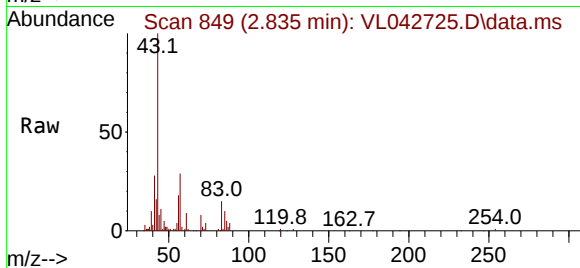
#25
Ethyl Acetate
Concen: 1.021 ppbv
RT: 2.835 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

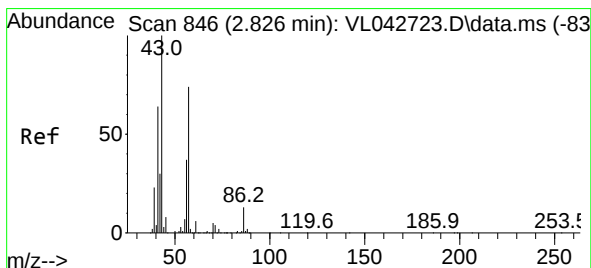
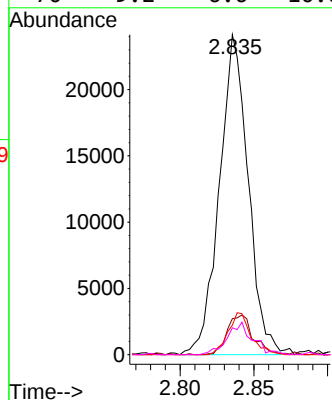
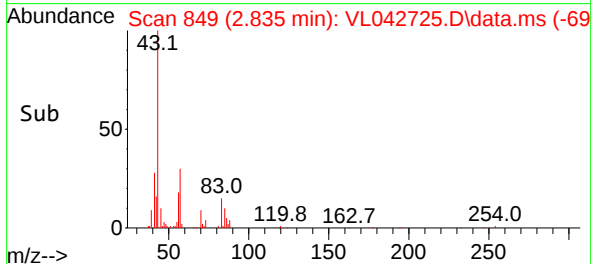


Tgt Ion: 43 Resp: 3267
Ion Ratio Lower Upper
43 100
45 11.6 7.8 11.6
61 10.5 7.0 10.6
70 9.2 6.6 10.0

Manual Integrations

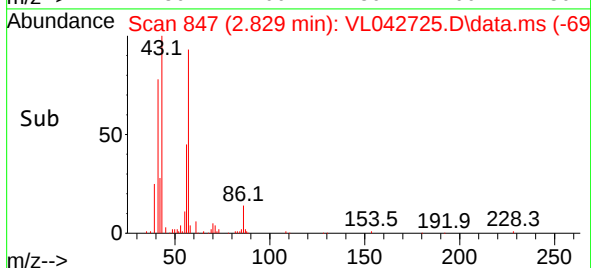
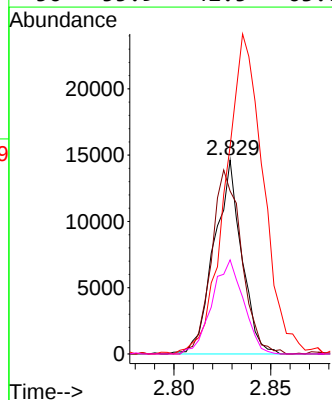
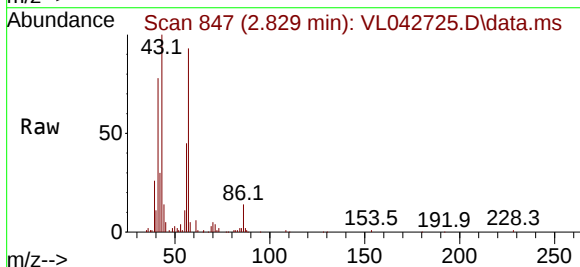
APPROVED

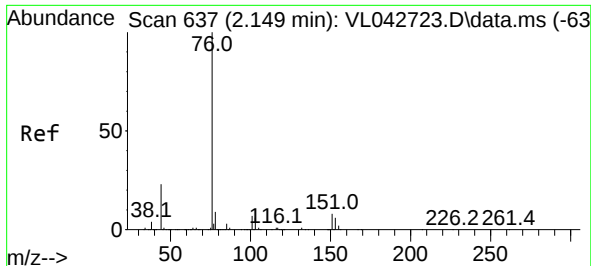
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#26
Hexane
Concen: 1.026 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 57 Resp: 14402
Ion Ratio Lower Upper
57 100
41 104.5 77.3 115.9
43 228.3 182.3 273.5
56 55.9 42.5 63.7





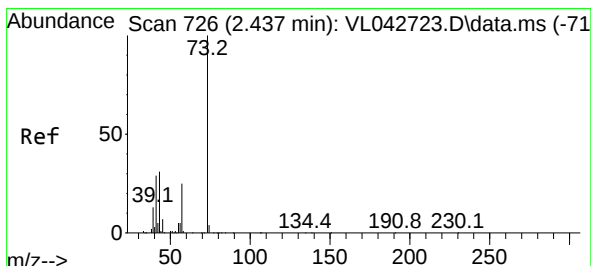
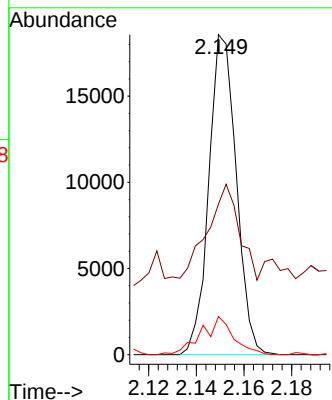
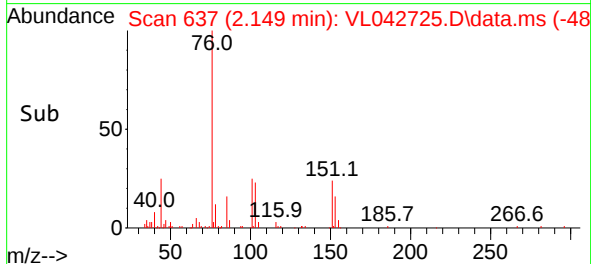
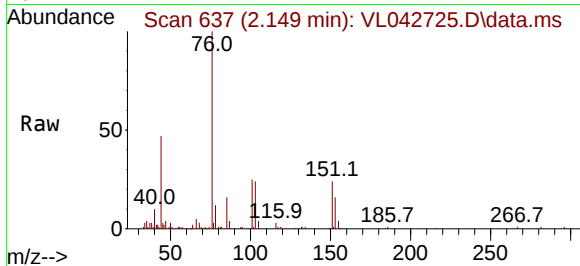
#27
Carbon Disulfide
Concen: 0.991 ppbv
RT: 2.149 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 1486
Ion Ratio Lower Upper
76 100
44 72.0 18.8 28.2
78 13.9 9.5 14.3

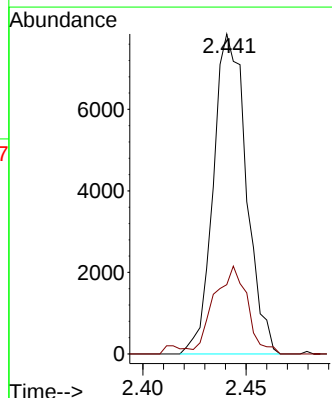
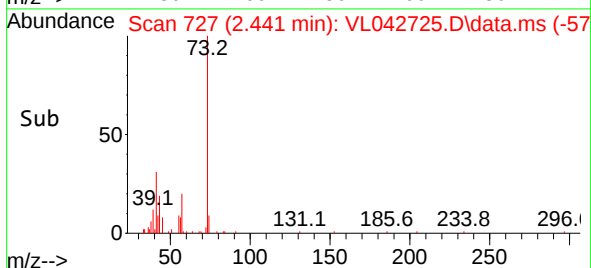
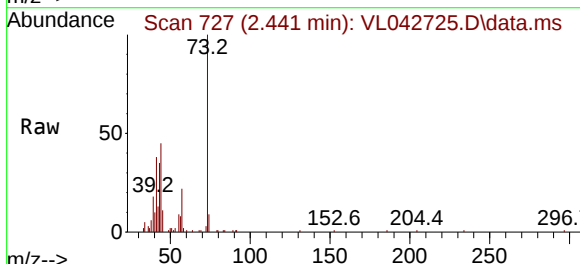
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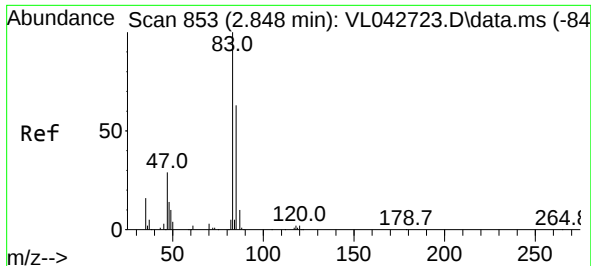
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#28
Methyl tert-Butyl Ether
Concen: 1.069 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 73 Resp: 8723
Ion Ratio Lower Upper
73 100
57 29.2 19.8 29.8





#29

Chloroform

Concen: 1.050 ppbv

RT: 2.848 min Scan# 853

Delta R.T. -0.000 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 24340

Ion Ratio Lower Upper

83 100

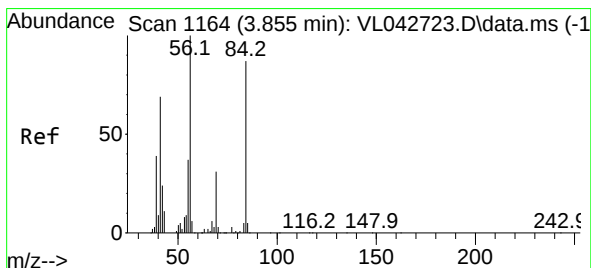
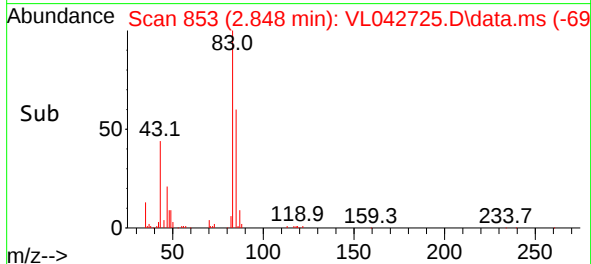
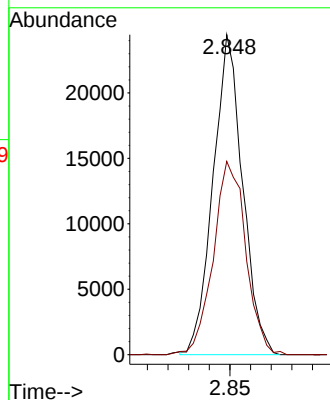
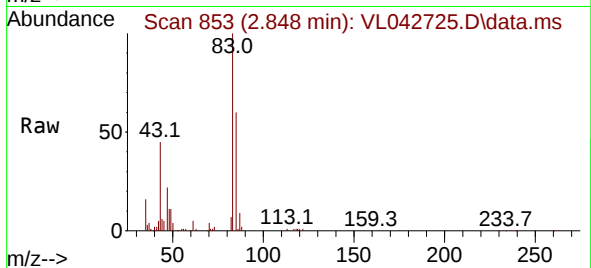
85 59.4 50.9 76.3

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Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#30

Cyclohexane

Concen: 0.986 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

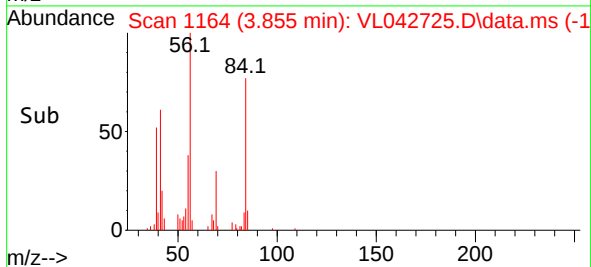
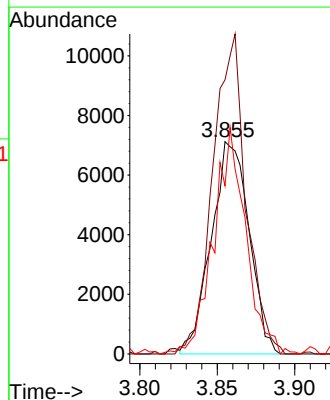
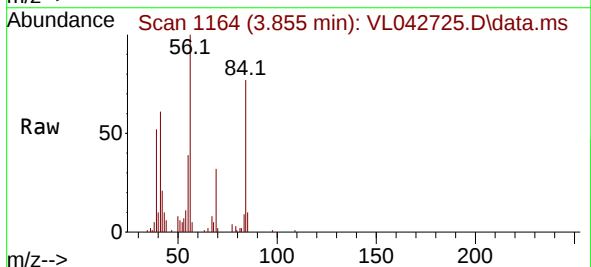
Tgt Ion: 84 Resp: 12078

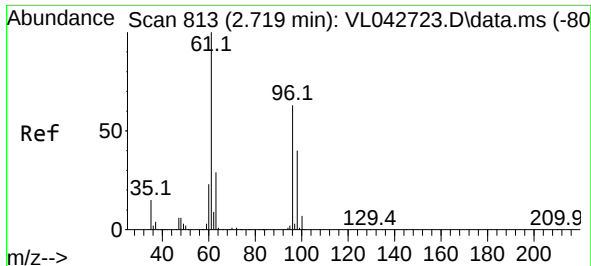
Ion Ratio Lower Upper

84 100

56 132.7 94.2 141.4

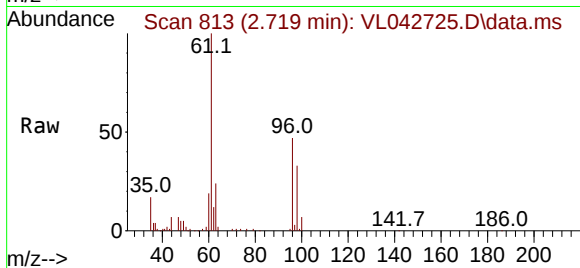
41 92.9 66.4 99.6





#31
cis-1,2-Dichloroethene
Concen: 1.000 ppbv m
RT: 2.719 min Scan# 813
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

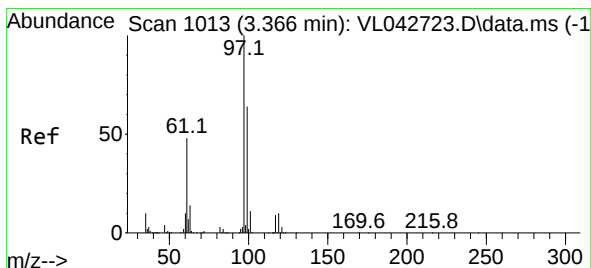
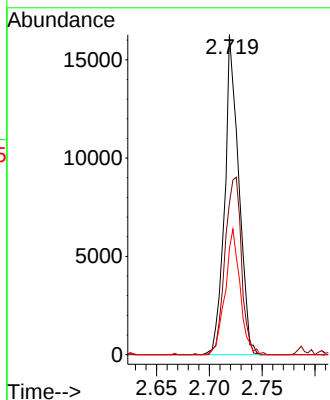
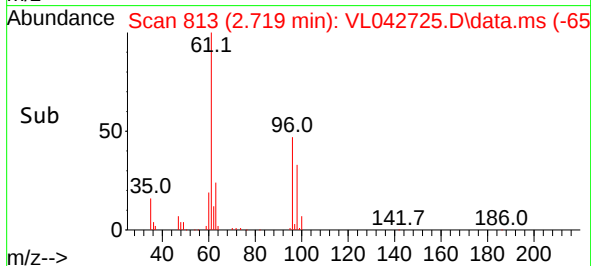
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



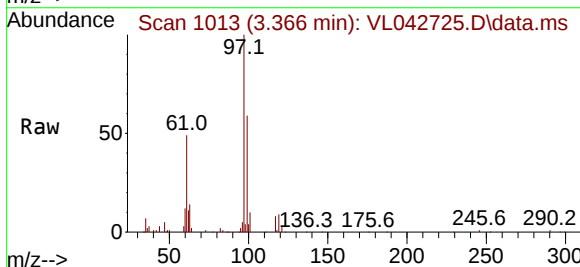
Tgt Ion: 61 Resp: 15120
Ion Ratio Lower Upper
61 100
96 47.3 50.6 75.8
98 33.1 32.2 48.2

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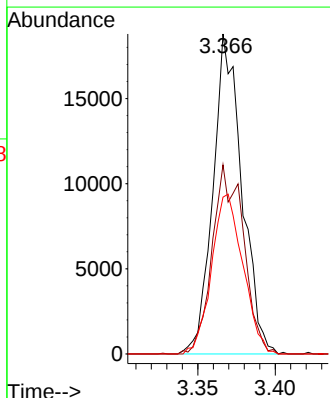
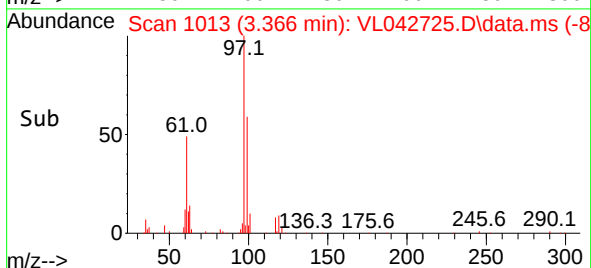
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

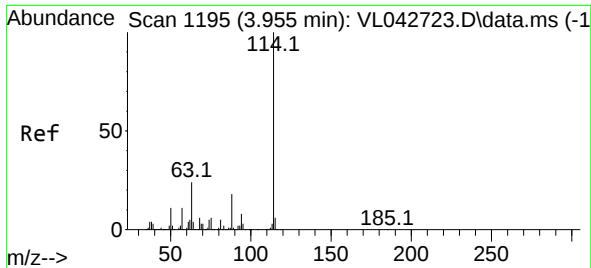


#32
1,1,1-Trichloroethane
Concen: 0.999 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04



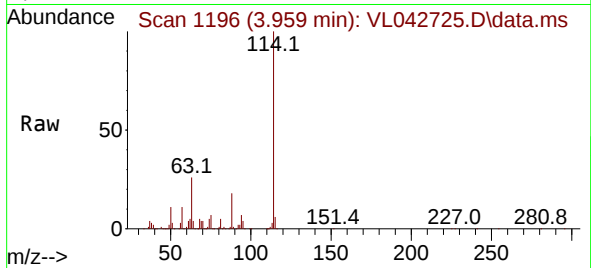
Tgt Ion: 97 Resp: 24377
Ion Ratio Lower Upper
97 100
99 63.8 51.4 77.0
61 54.2 39.6 59.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

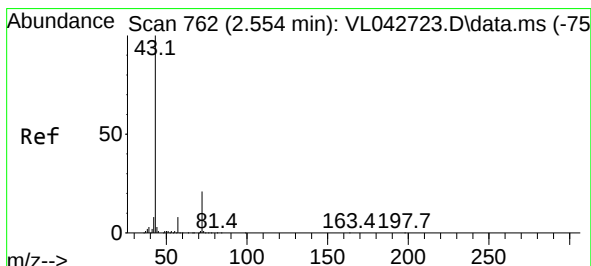
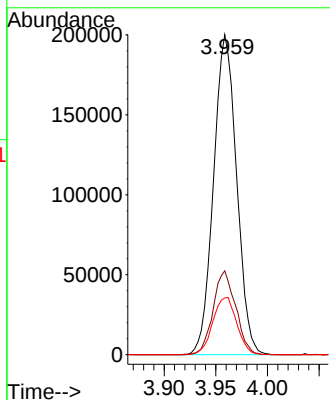
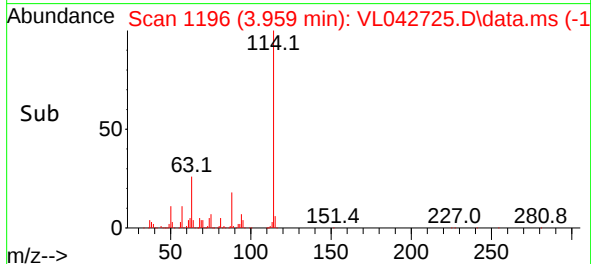
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion:114 Resp: 310800
Ion Ratio Lower Upper
114 100
63 25.6 20.4 30.6
88 18.6 14.5 21.7

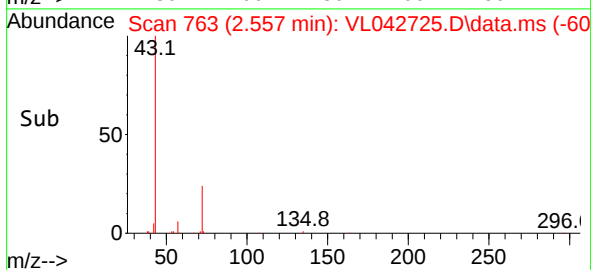
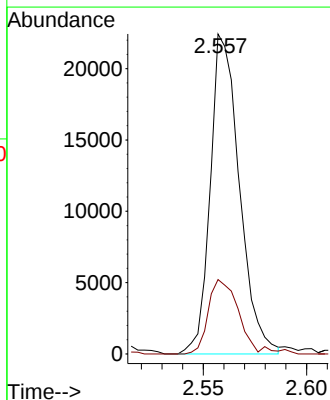
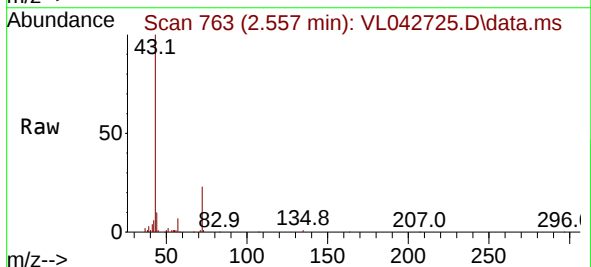
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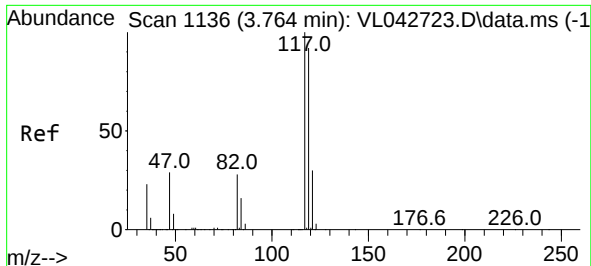
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#34
2-Butanone
Concen: 1.027 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

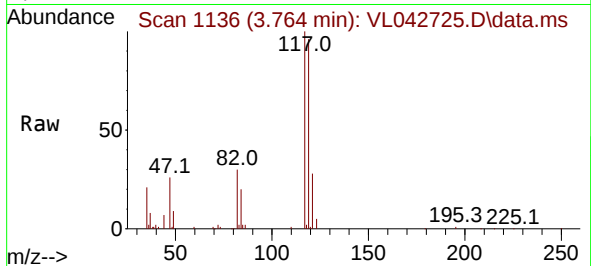
Tgt Ion: 43 Resp: 21976
Ion Ratio Lower Upper
43 100
72 24.7 17.0 25.6





#35
Carbon Tetrachloride
Concen: 0.978 ppbv
RT: 3.764 min Scan# 1136
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

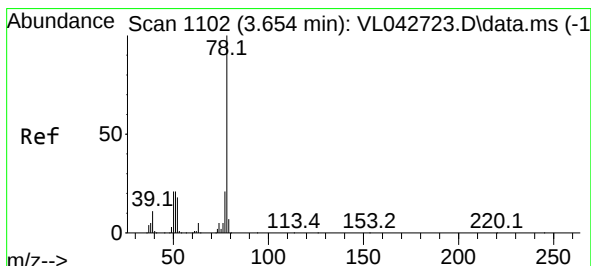
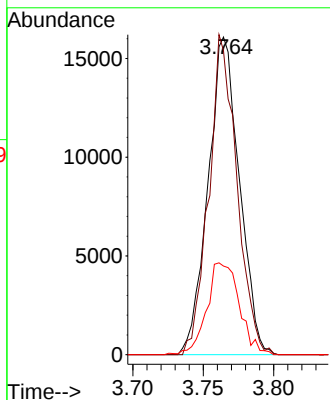
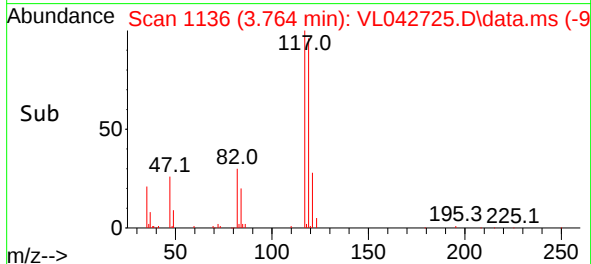
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion:117 Resp: 24918
Ion Ratio Lower Upper
117 100
119 95.7 73.7 110.5
121 27.9 23.8 35.8

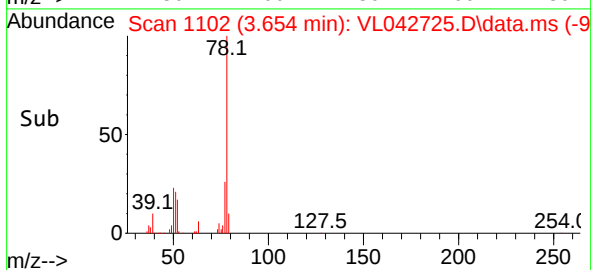
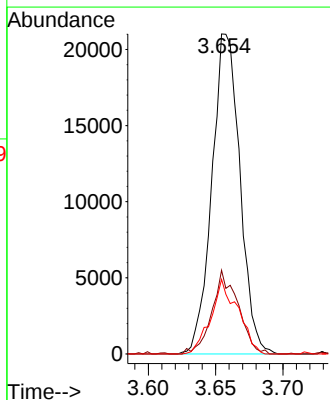
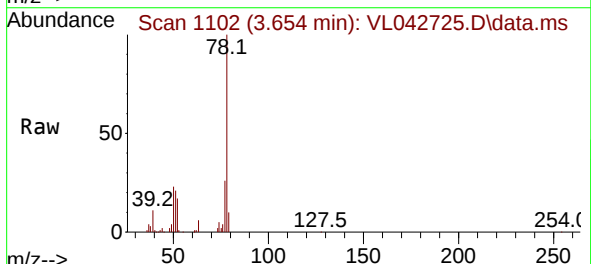
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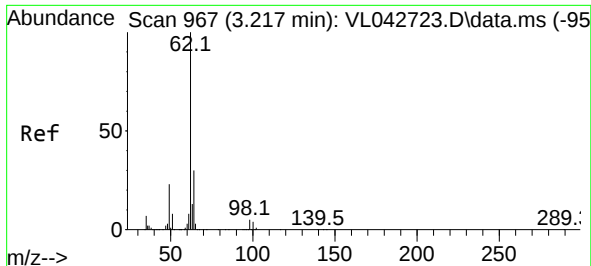
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#36
Benzene
Concen: 1.055 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 78 Resp: 30476
Ion Ratio Lower Upper
78 100
77 26.2 17.0 25.4#
50 23.3 16.9 25.3





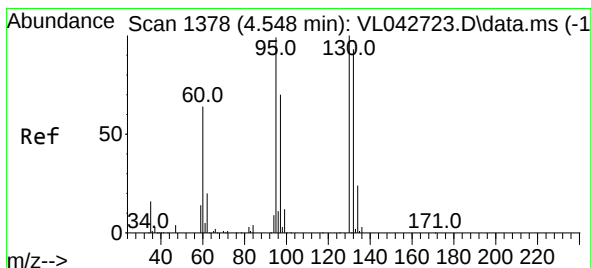
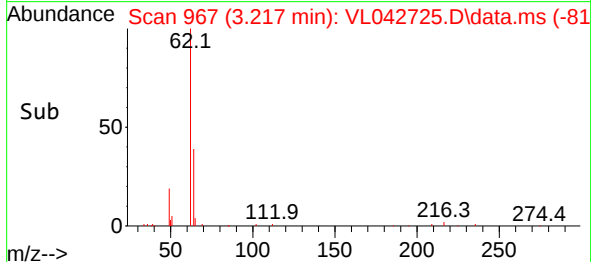
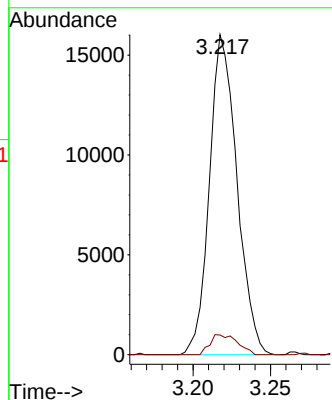
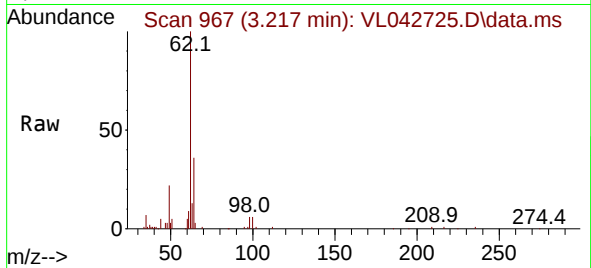
#37
1,2-Dichloroethane
Concen: 1.075 ppbv
RT: 3.217 min Scan# 967
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 62 Resp: 1979
Ion Ratio Lower Upper
62 100
98 6.3 4.8 7.2

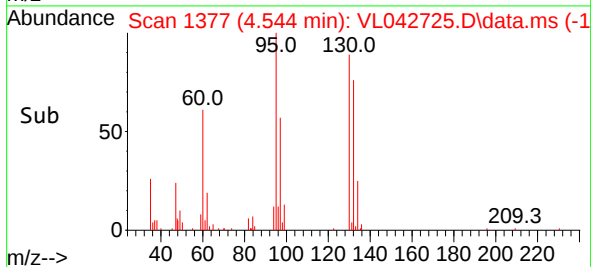
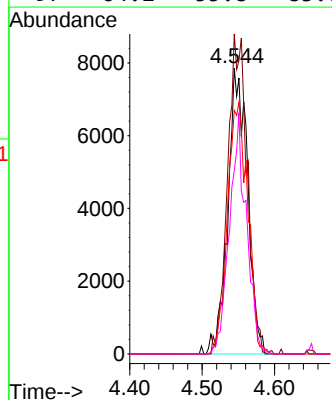
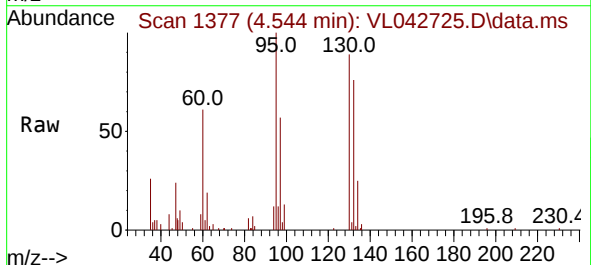
Manual Integrations
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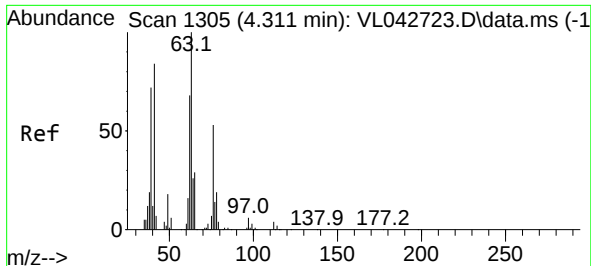
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#38
Trichloroethene
Concen: 1.059 ppbv m
RT: 4.544 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion:130 Resp: 14891
Ion Ratio Lower Upper
130 100
95 112.0 79.2 118.8
132 85.3 74.1 111.1
97 64.2 55.8 83.6





#39

1,2-Dichloropropane

Concen: 1.038 ppbv

RT: 4.318 min Scan# 1115

Delta R.T. 0.006 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

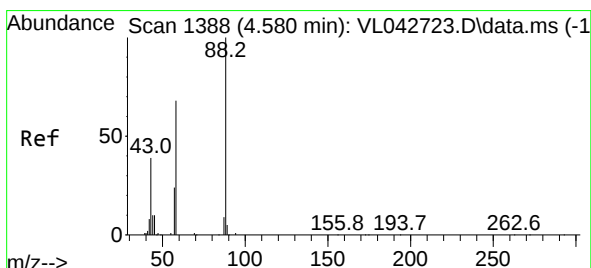
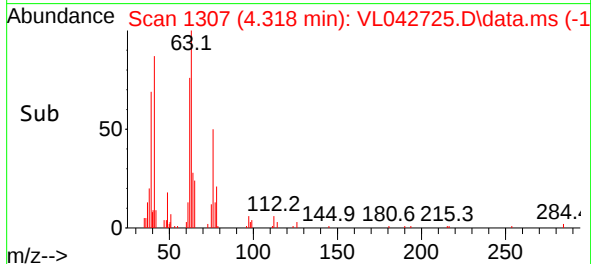
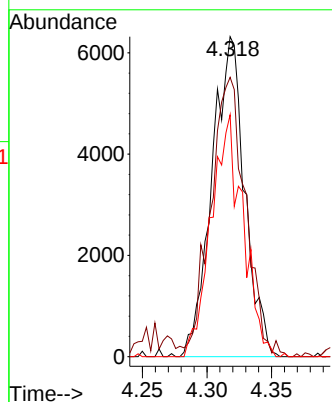
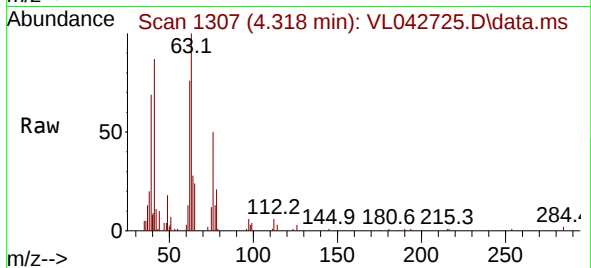
VSTDICC001

Tgt Ion:	63	Resp:	1115
Ion	Ratio	Lower	Upper
63	100		
41	85.8	67.7	101.5
62	75.6	54.1	81.1

Manual Integrations

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



#40

1,4-Dioxane

Concen: 1.231 ppbv m

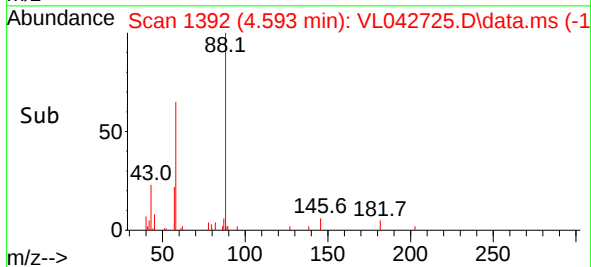
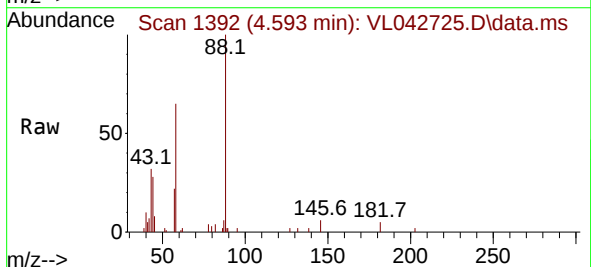
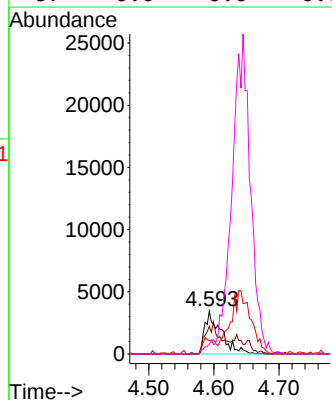
RT: 4.593 min Scan# 1392

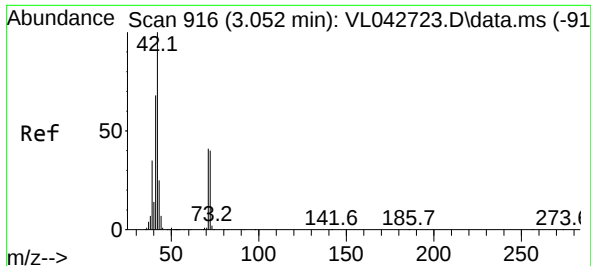
Delta R.T. 0.013 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

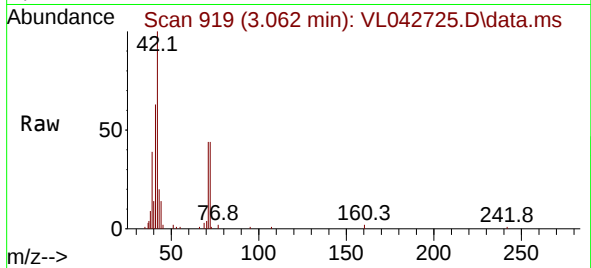
Tgt Ion:	88	Resp:	6100
Ion	Ratio	Lower	Upper
88	100		
58	0.0	59.8	89.8#
43	0.0	32.6	48.8#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 1.003 ppbv
RT: 3.062 min Scan# 916
Delta R.T. 0.010 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

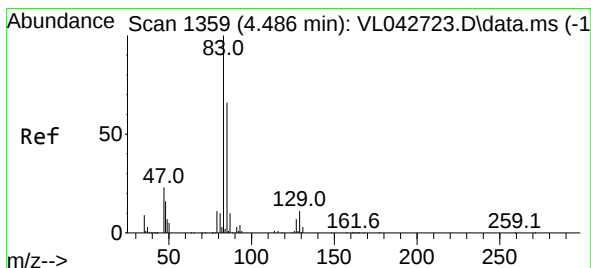
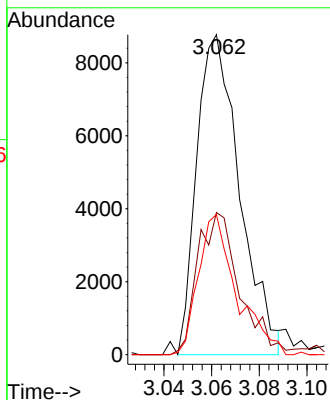
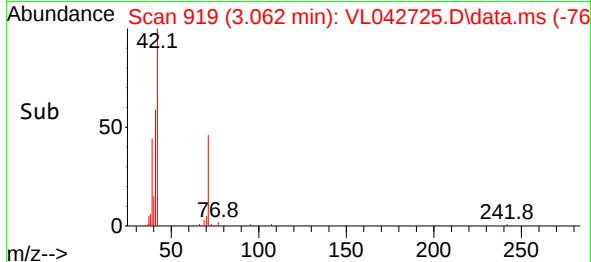
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 42 Resp: 1096
Ion Ratio Lower Upper
42 100
72 44.7 32.2 48.2
71 39.8 29.8 44.6

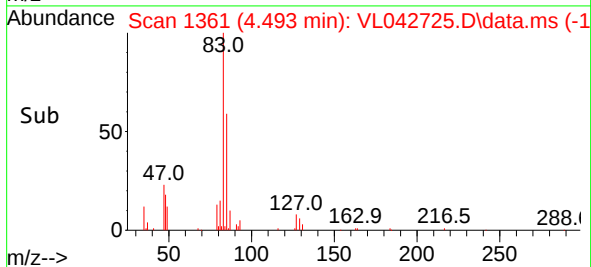
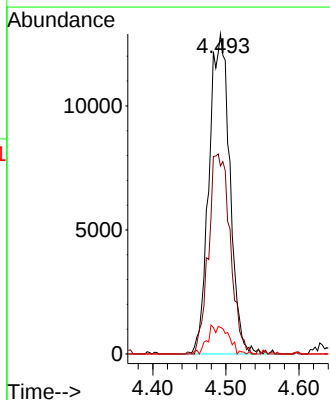
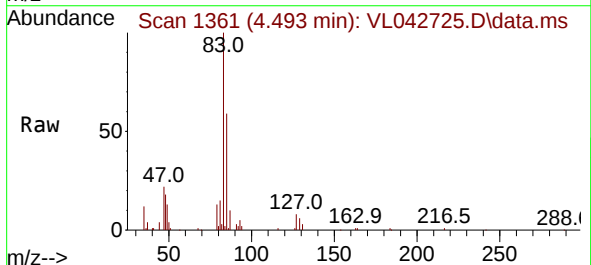
Manual Integrations
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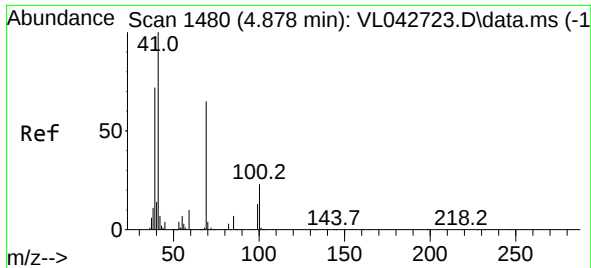
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#42
Bromodichloromethane
Concen: 1.060 ppbv m
RT: 4.493 min Scan# 1361
Delta R.T. 0.006 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 83 Resp: 25547
Ion Ratio Lower Upper
83 100
85 58.8 52.6 78.8
127 8.3 6.0 9.0





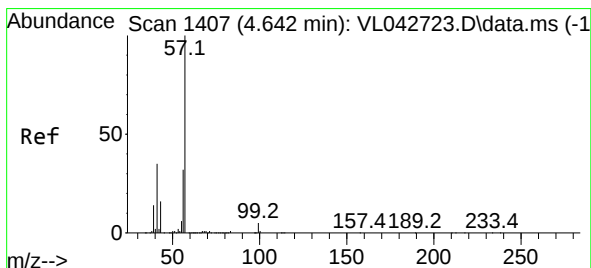
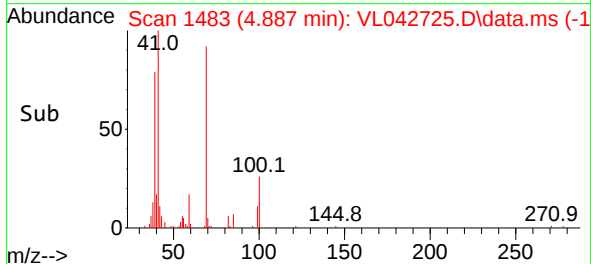
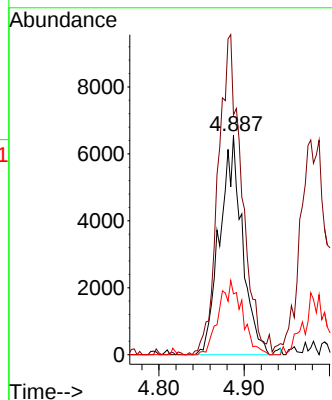
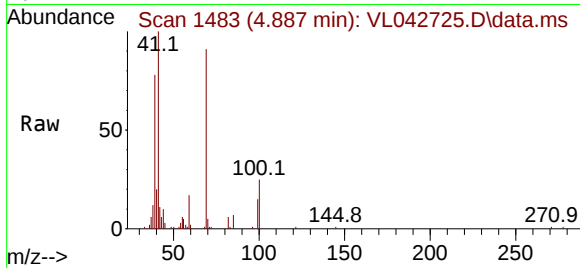
#43
Methyl Methacrylate
Concen: 1.091 ppbv m
RT: 4.887 min Scan# 1480
Delta R.T. 0.010 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 12080
Ion Ratio Lower Upper
69 100
41 152.9 125.8 188.6
100 35.1 29.9 44.9

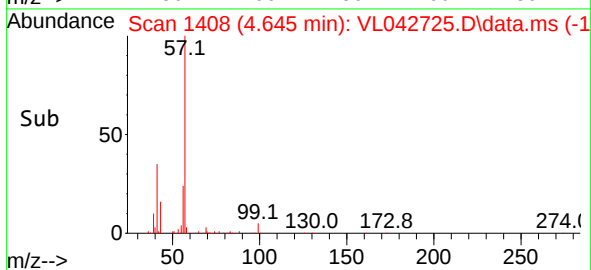
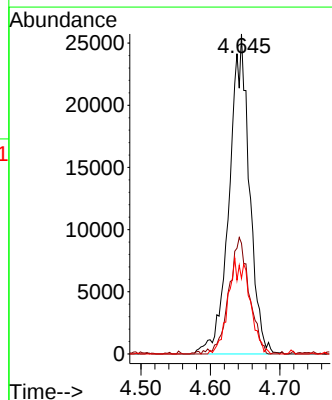
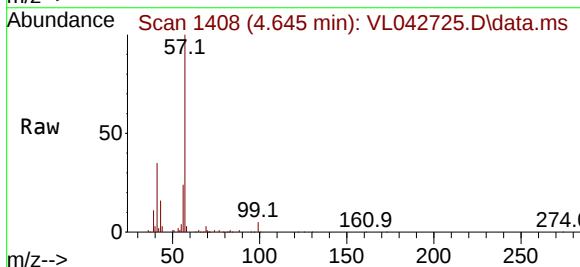
Manual Integrations
APPROVED

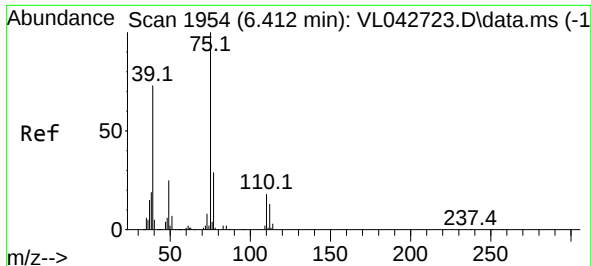
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#44
2,2,4-Trimethylpentane
Concen: 1.086 ppbv m
RT: 4.645 min Scan# 1408
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 57 Resp: 51712
Ion Ratio Lower Upper
57 100
41 37.2 29.4 44.0
56 0.0 26.1 39.1#





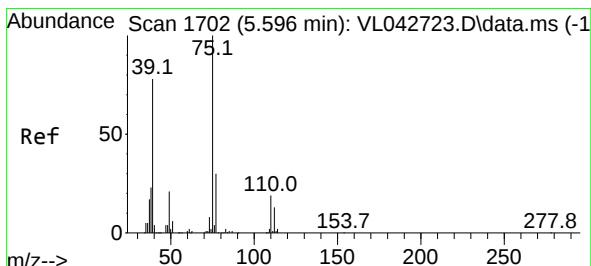
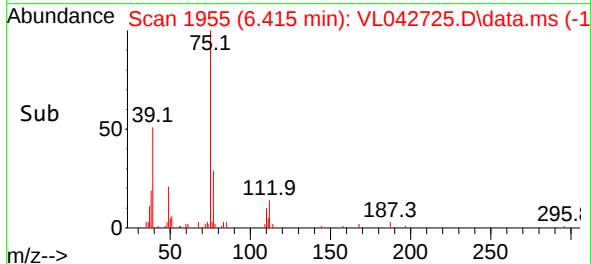
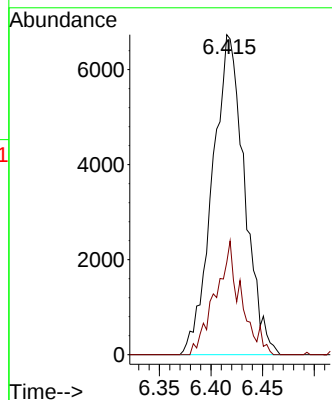
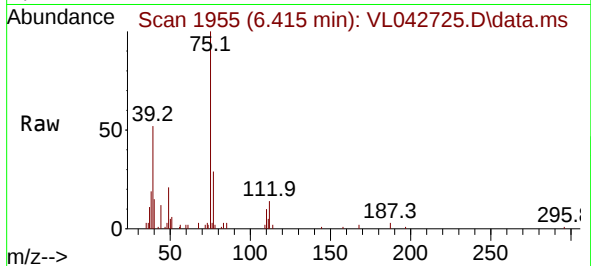
#45
 t-1,3-Dichloropropene
 Concen: 1.065 ppbv
 RT: 6.415 min Scan# 1954
 Delta R.T. 0.003 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Tgt Ion: 75 Resp: 1450
 Ion Ratio Lower Upper
 75 100
 77 28.9 23.0 34.6

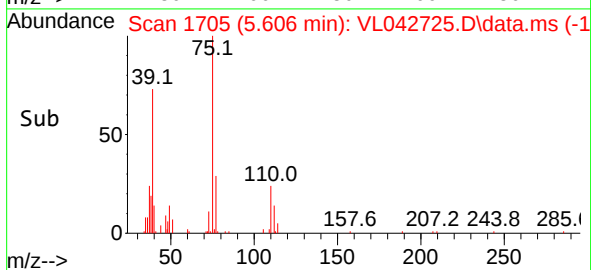
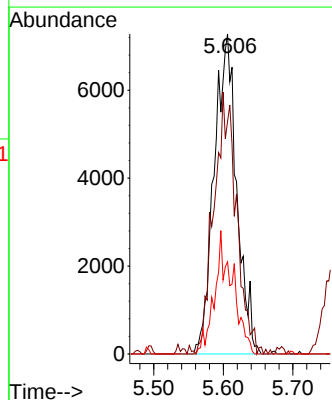
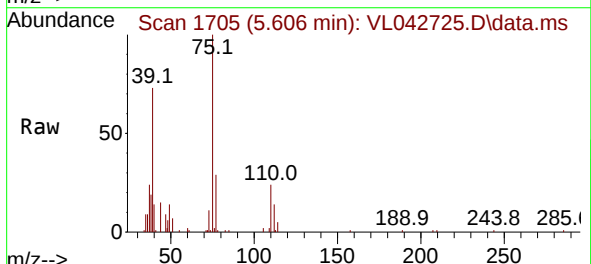
Manual Integrations
 APPROVED

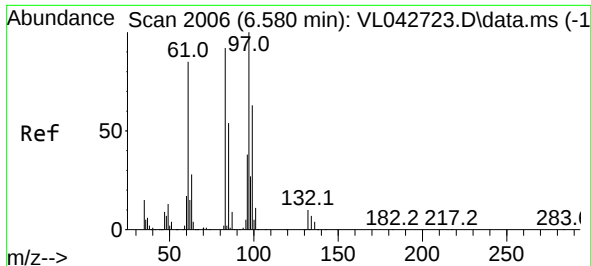
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#46
 cis-1,3-Dichloropropene
 Concen: 1.016 ppbv m
 RT: 5.606 min Scan# 1705
 Delta R.T. 0.010 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

Tgt Ion: 75 Resp: 16434
 Ion Ratio Lower Upper
 75 100
 39 72.7 62.1 93.1
 77 28.8 24.0 36.0





#47

1,1,2-Trichloroethane

Concen: 1.103 ppbv m

RT: 6.587 min Scan# 2006

Delta R.T. 0.006 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

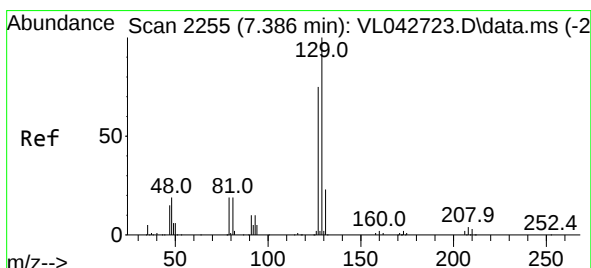
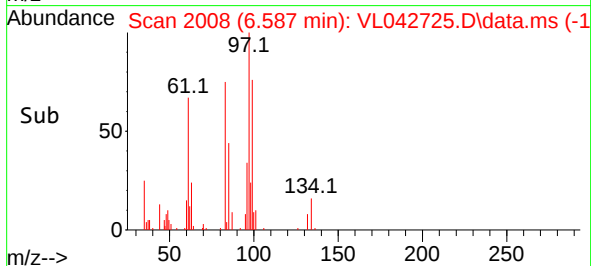
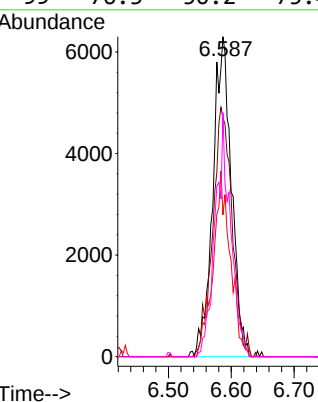
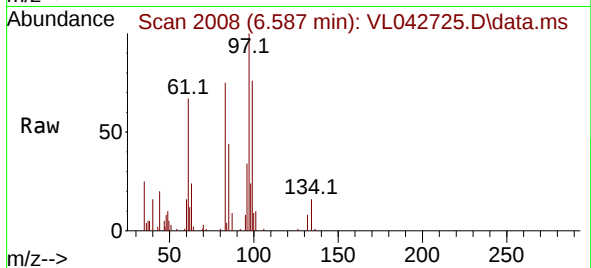
VSTDICC001

Tgt Ion: 97	Resp: 1298
Ion Ratio	Lower Upper
97 100	
83 74.7	73.2 109.8
85 44.3	42.7 64.1
99 76.3	50.2 75.4

Manual Integrations

APPROVED

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



#48

Dibromochloromethane

Concen: 1.037 ppbv

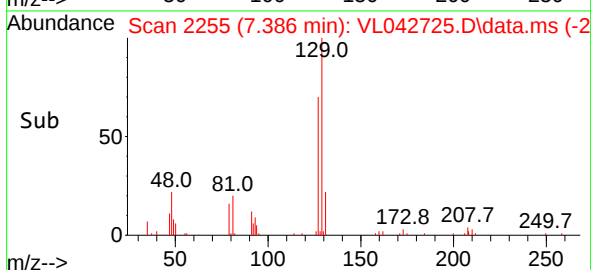
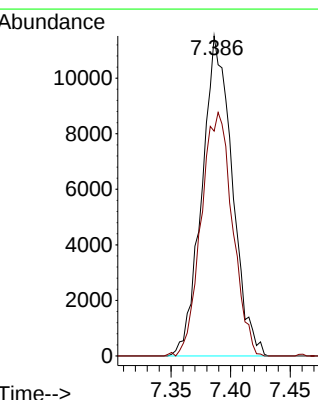
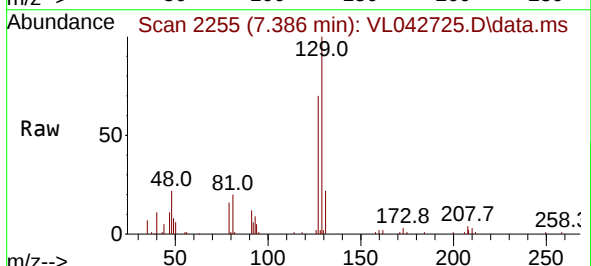
RT: 7.386 min Scan# 2255

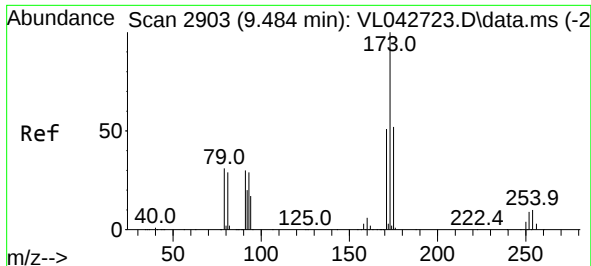
Delta R.T. -0.000 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

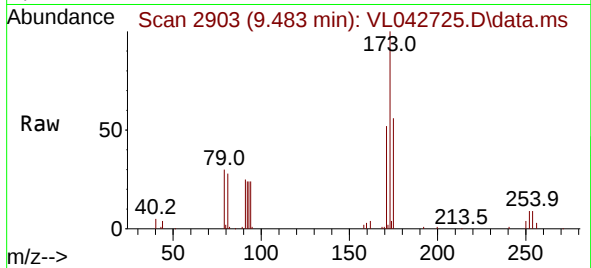
Tgt Ion:129	Resp: 20308
Ion Ratio	Lower Upper
129 100	
127 78.7	39.1 117.3





#49
Bromoform
Concen: 1.013 ppbv
RT: 9.483 min Scan# 2903
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

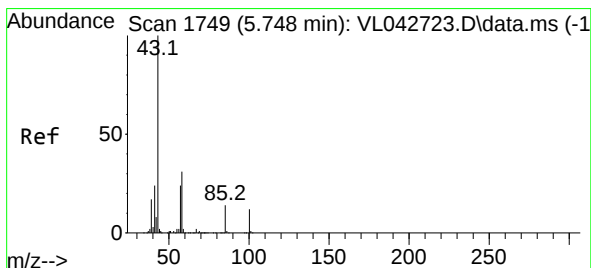
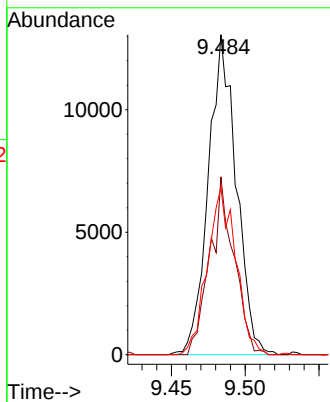
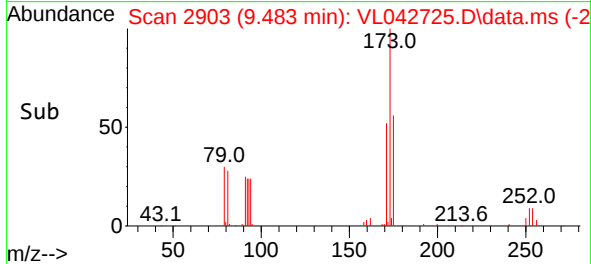
Instrument : MSVOA_L
ClientSampleId : VSTDIC001



Tgt Ion: 173 Resp: 17210
Ion Ratio Lower Upper
173 100
175 48.3 38.9 58.3
171 53.3 41.1 61.7

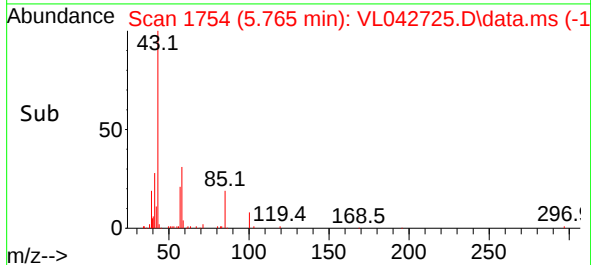
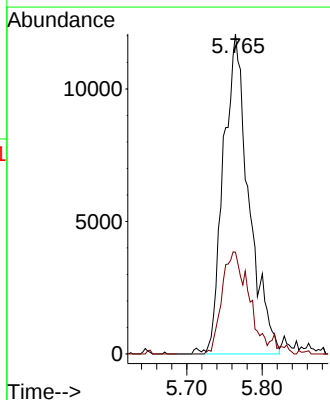
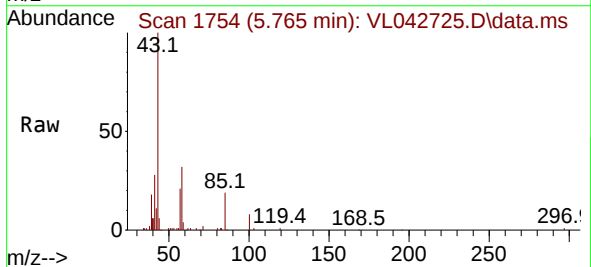
Manual Integrations
APPROVED

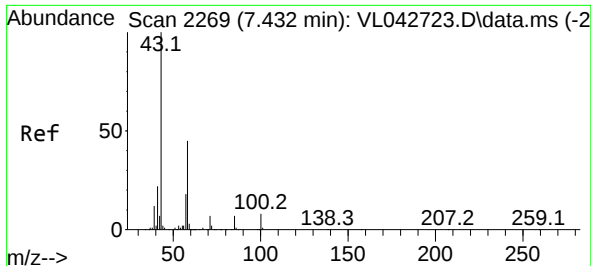
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#50
4-Methyl-2-Pentanone
Concen: 1.007 ppbv m
RT: 5.765 min Scan# 1754
Delta R.T. 0.016 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

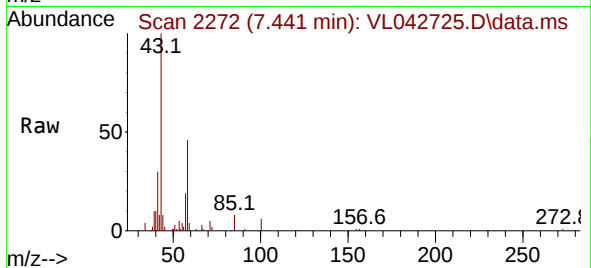
Tgt Ion: 43 Resp: 28353
Ion Ratio Lower Upper
43 100
58 35.8 27.6 41.4





#51
2-Hexanone
Concen: 1.019 ppbv
RT: 7.441 min Scan# 211
Delta R.T. 0.010 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

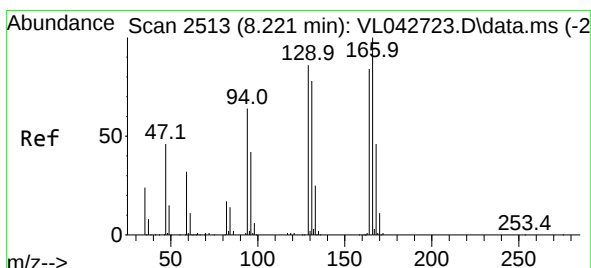
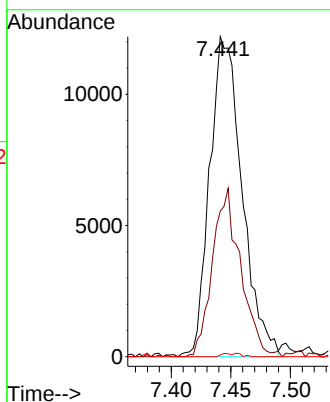
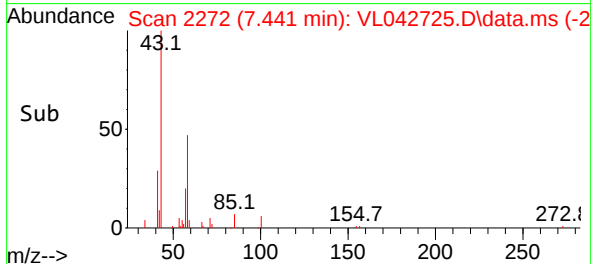
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 43 Resp: 22958
Ion Ratio Lower Upper
43 100
58 46.9 37.9 56.9
98 0.6 0.2 0.2

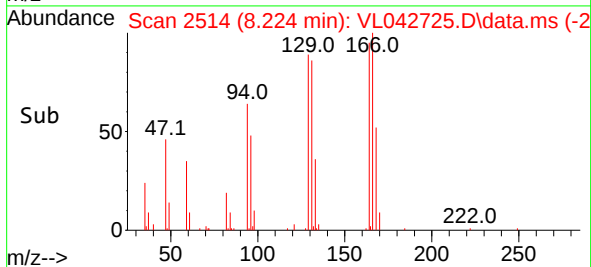
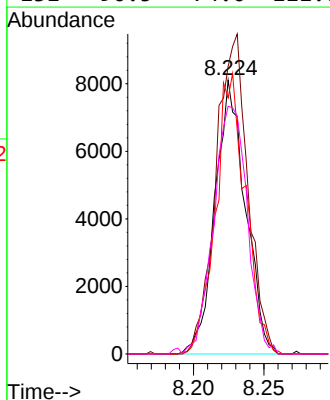
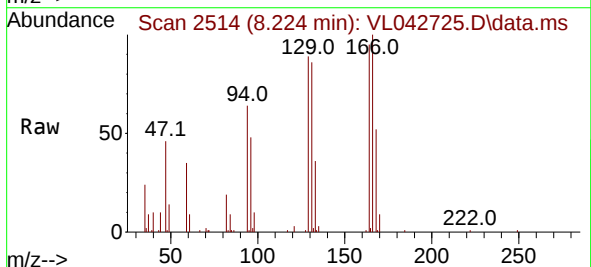
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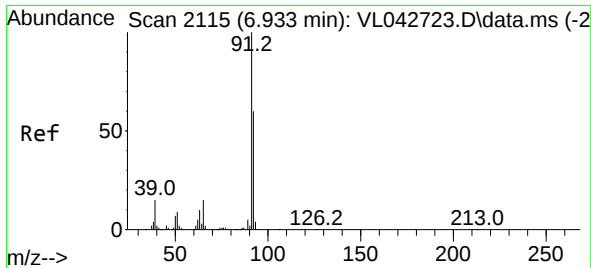
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#52
Tetrachloroethene
Concen: 1.051 ppbv
RT: 8.224 min Scan# 2514
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion:164 Resp: 12230
Ion Ratio Lower Upper
164 100
166 105.0 95.1 142.7
129 93.5 81.9 122.9
131 90.5 74.0 111.0





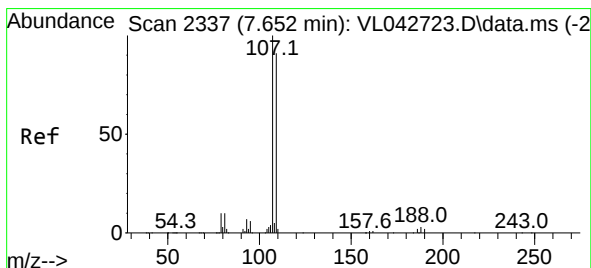
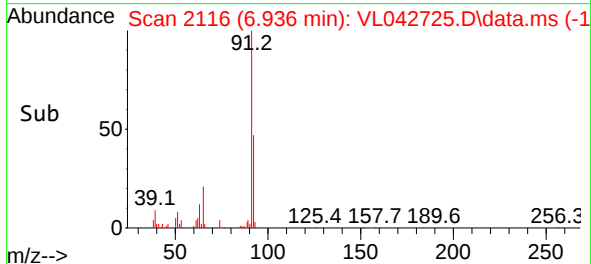
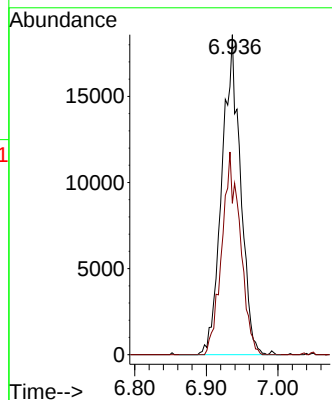
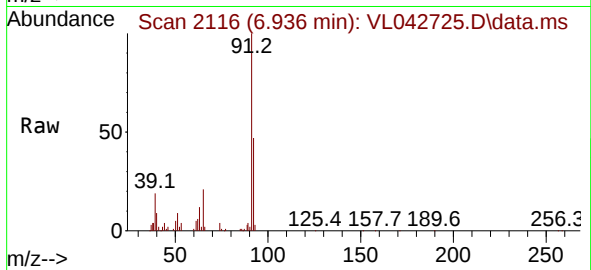
#53
Toluene
Concen: 1.027 ppbv m
RT: 6.936 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 33449
Ion Ratio Lower Upper
91 100
92 62.7 48.2 72.4

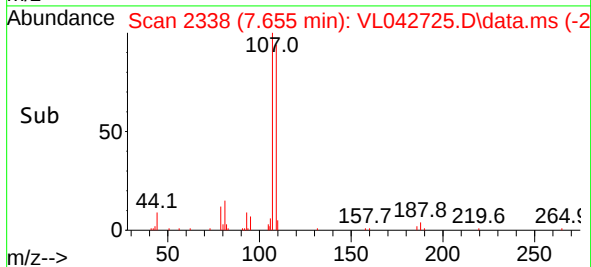
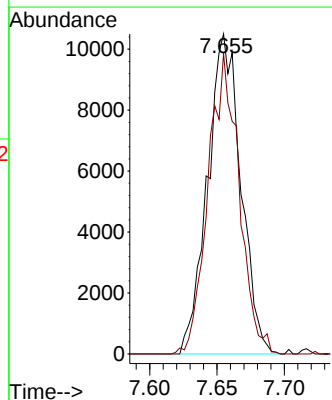
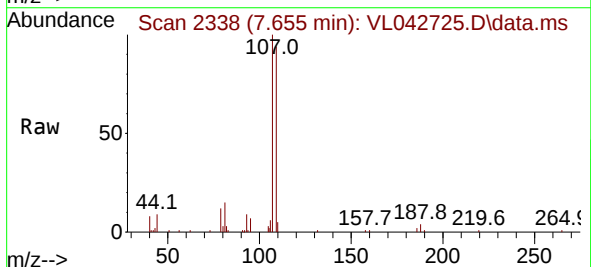
Manual Integrations
APPROVED

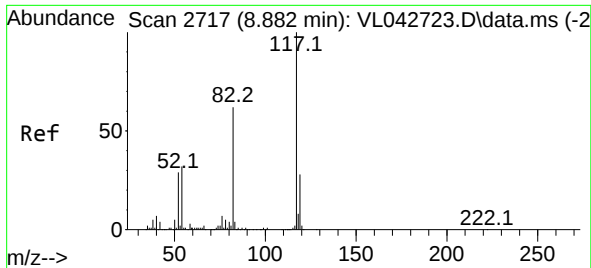
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#54
1,2-Dibromoethane
Concen: 1.025 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion:107 Resp: 18051
Ion Ratio Lower Upper
107 100
109 94.0 72.5 108.7





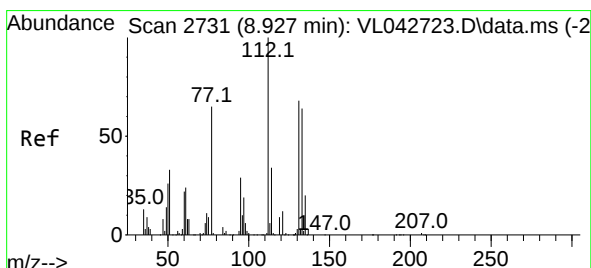
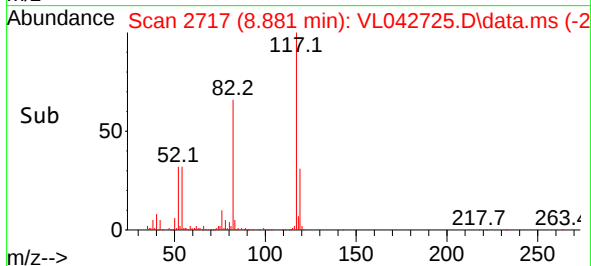
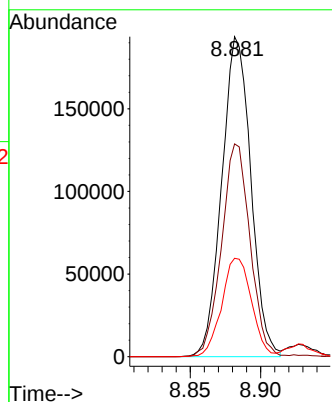
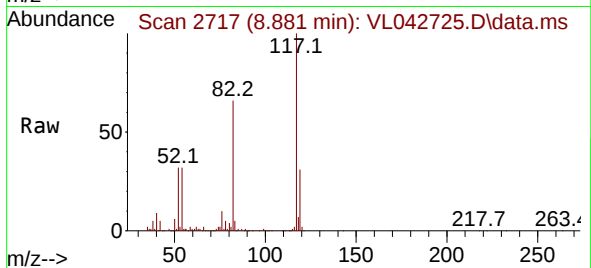
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2717
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:117 Resp: 27875
Ion Ratio Lower Upper
117 100
82 65.6 54.6 81.8
119 31.7 25.3 37.9

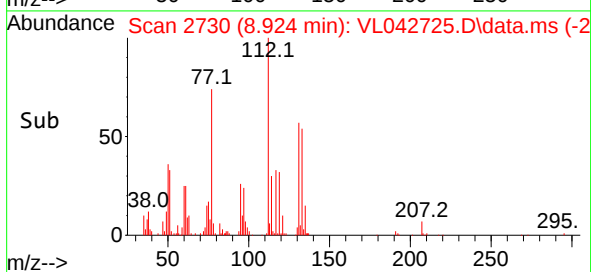
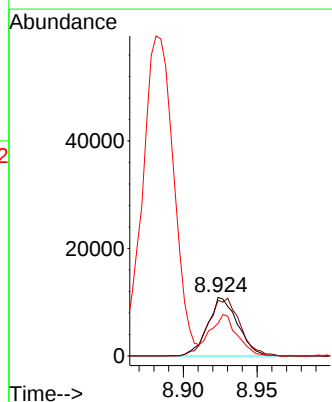
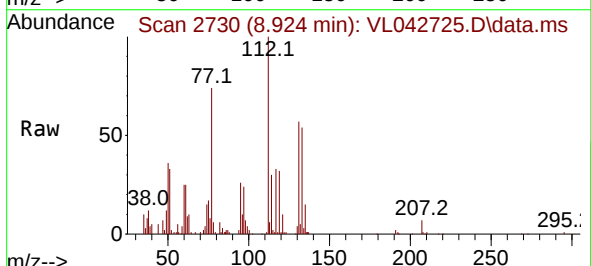
Manual Integrations
APPROVED

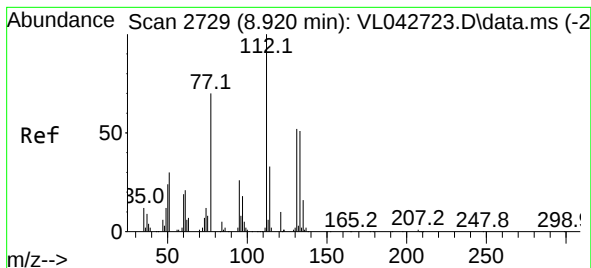
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 1.017 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion:131 Resp: 15275
Ion Ratio Lower Upper
131 100
133 104.8 77.4 116.0
119 59.6 48.6 73.0





#57

Chlorobenzene

Concen: 1.059 ppbv

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

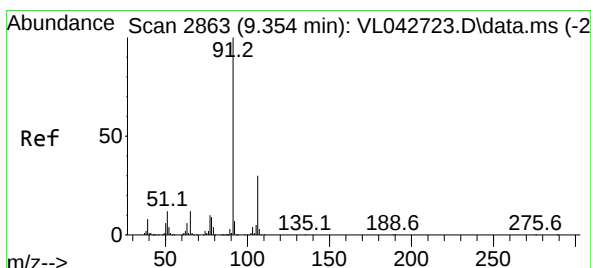
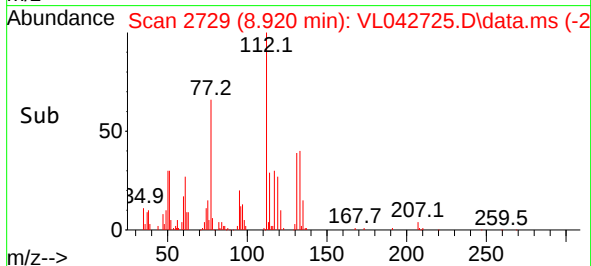
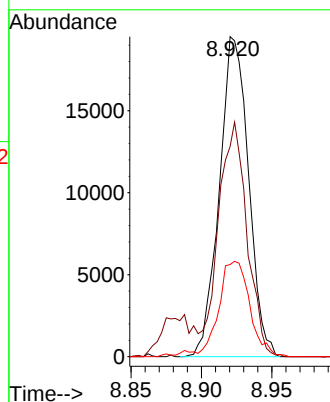
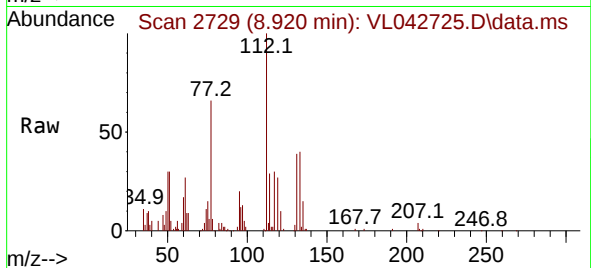
VSTDICC001

Tgt Ion:	112	Resp:	2814
Ion Ratio	Lower	Upper	
112	100		
77	65.0	57.2	85.8
114	27.9	29.8	36.4

Manual Integrations

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



#58

Ethyl Benzene

Concen: 1.031 ppbv

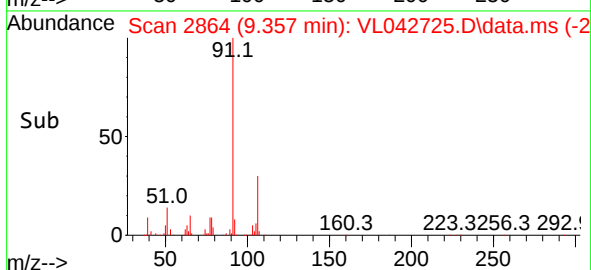
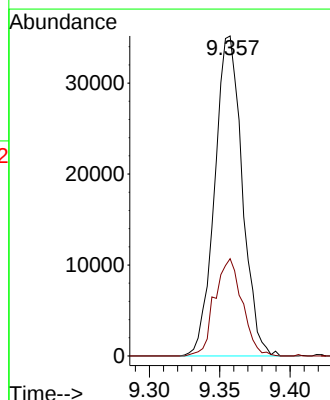
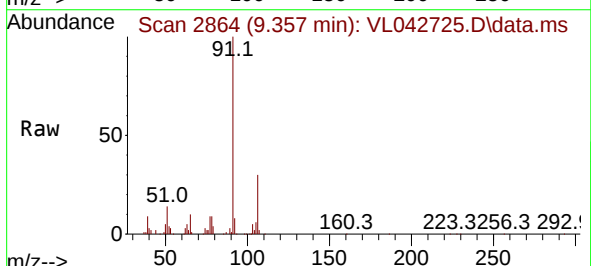
RT: 9.357 min Scan# 2864

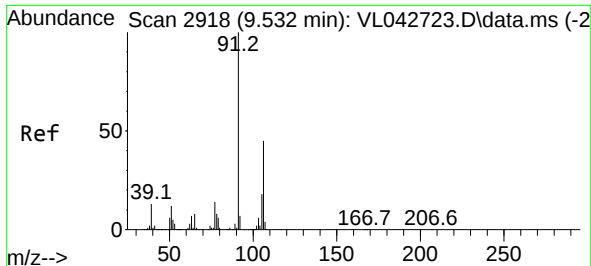
Delta R.T. 0.003 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Tgt Ion:	91	Resp:	47989
Ion Ratio	Lower	Upper	
91	100		
106	30.4	23.7	35.5





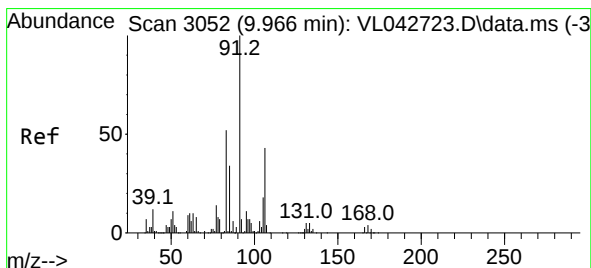
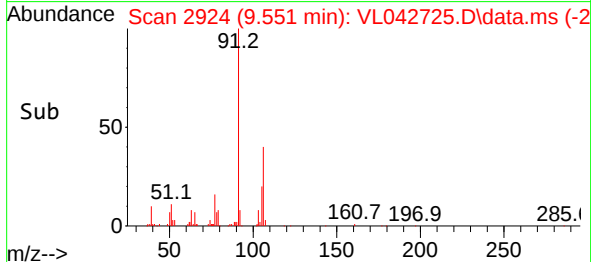
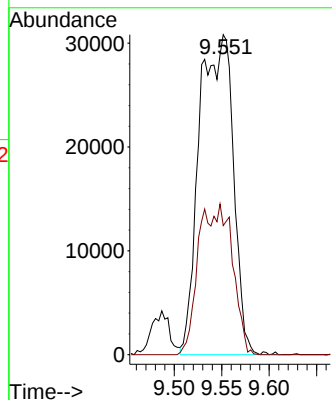
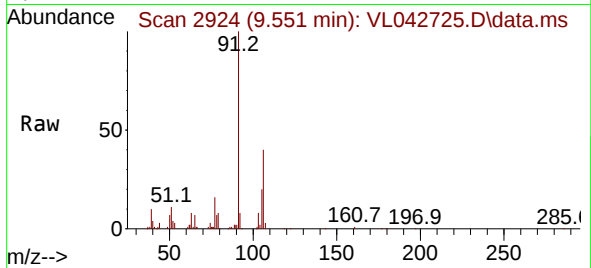
#59
m/p-Xylene
Concen: 2.050 ppbv m
RT: 9.551 min Scan# 2918
Delta R.T. 0.019 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 7649
Ion Ratio Lower Upper
91 100
106 0.0 37.3 55.9

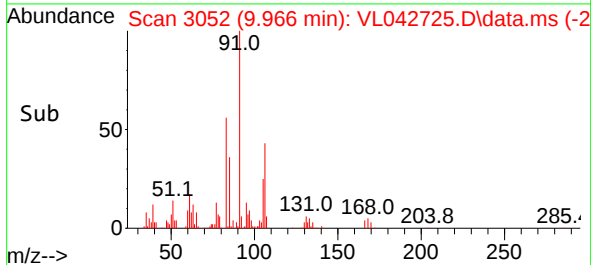
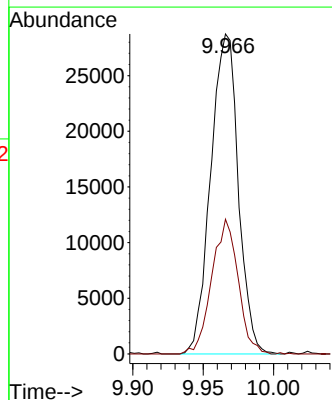
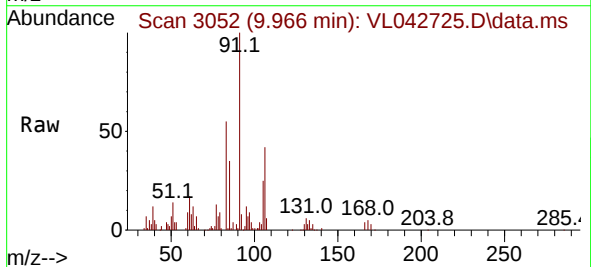
Manual Integrations
APPROVED

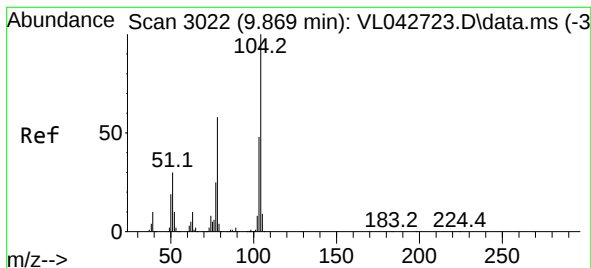
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#60
o-Xylene
Concen: 1.044 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 91 Resp: 39281
Ion Ratio Lower Upper
91 100
106 40.2 21.4 64.3





#61

Styrene

Concen: 1.037 ppbv m

RT: 9.878 min Scan# 3022

Delta R.T. 0.010 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

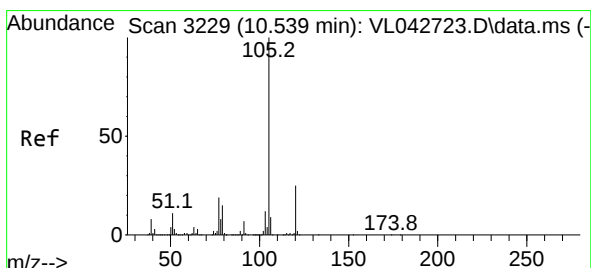
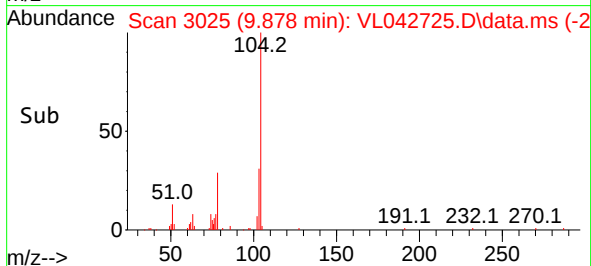
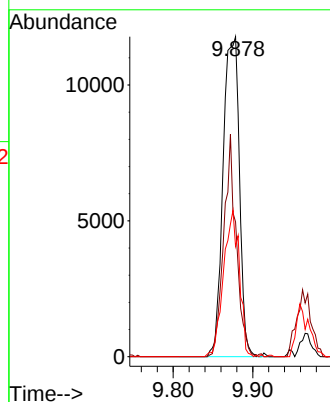
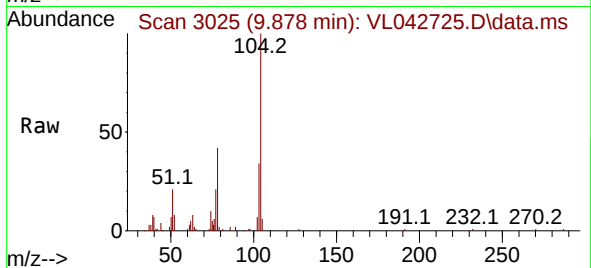
VSTDIC001

Tgt Ion:104 Resp: 16798
 Ion Ratio Lower Upper
 104 100
 78 53.7 43.4 65.2
 103 44.5 37.8 56.6

Manual Integrations

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



#62

Isopropylbenzene

Concen: 1.042 ppbv

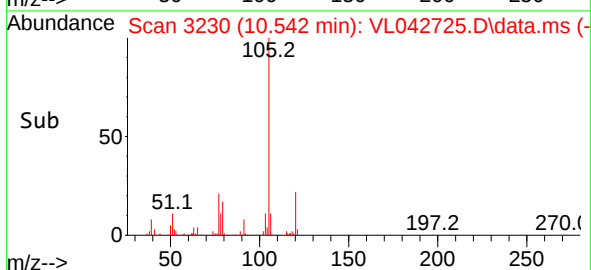
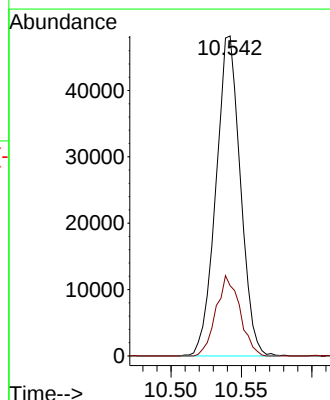
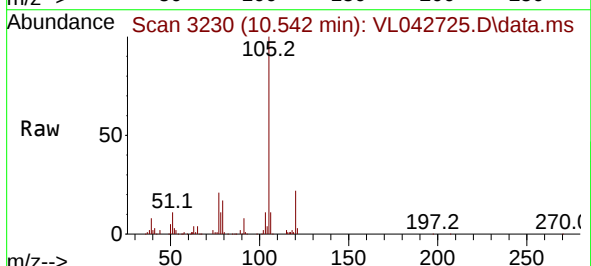
RT: 10.542 min Scan# 3230

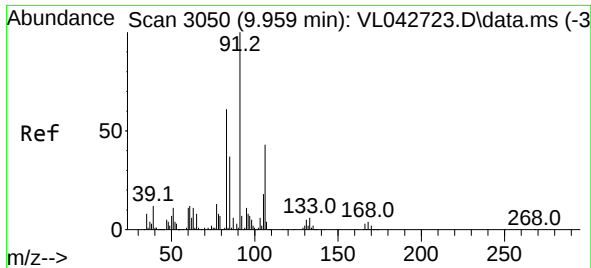
Delta R.T. 0.003 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Tgt Ion:105 Resp: 58251
 Ion Ratio Lower Upper
 105 100
 120 24.5 20.2 30.2





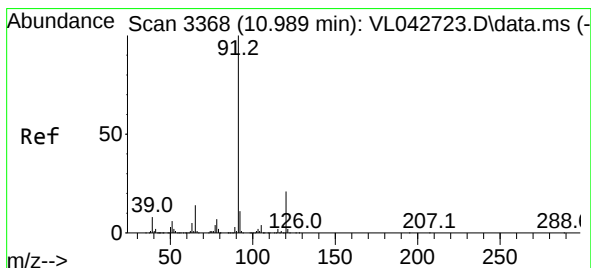
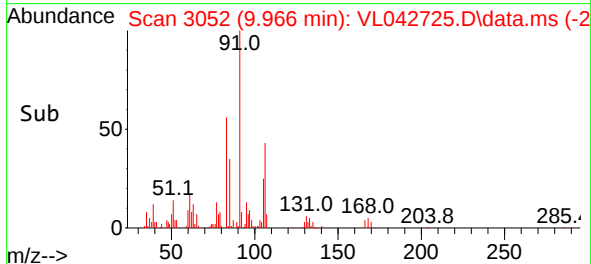
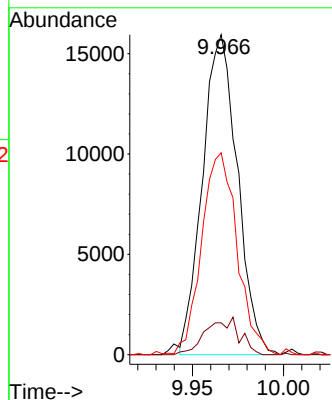
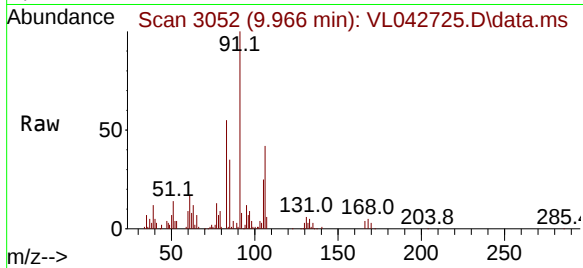
#63
1,1,2,2-Tetrachloroethane
Concen: 0.990 ppbv
RT: 9.966 min Scan# 3050
Delta R.T. 0.006 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 83 Resp: 2128
Ion Ratio Lower Upper
83 100
131 11.2 5.2 15.6
85 64.7 32.1 96.5

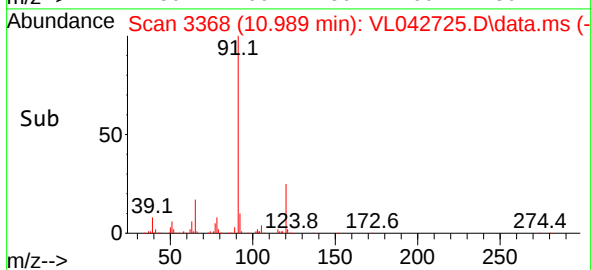
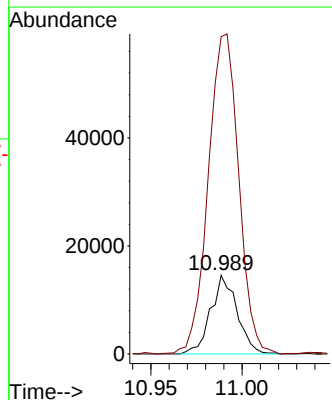
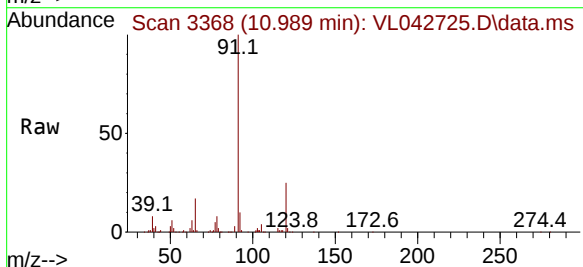
Manual Integrations
APPROVED

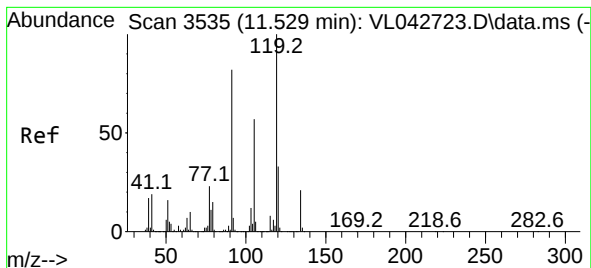
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#64
n-propylbenzene
Concen: 1.040 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion:120 Resp: 14662
Ion Ratio Lower Upper
120 100
91 471.9 377.4 566.0





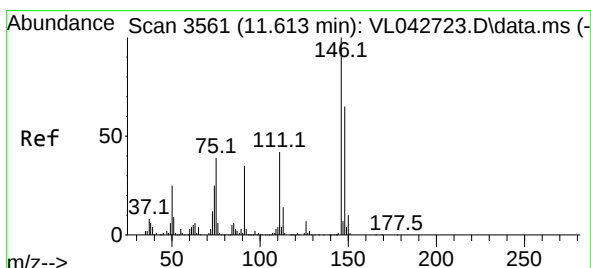
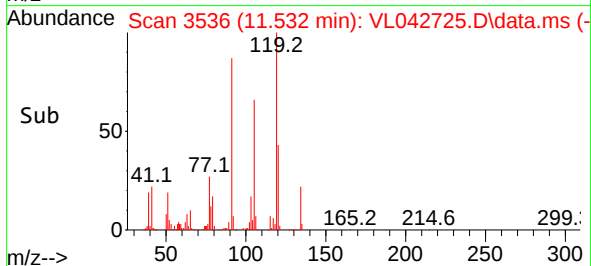
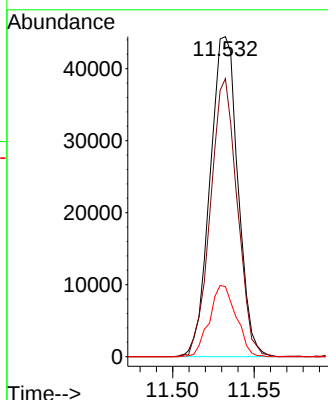
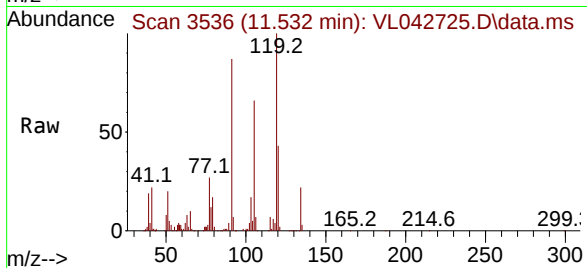
#65
tert-Butylbenzene
Concen: 1.055 ppbv
RT: 11.532 min Scan# 3535
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:119 Resp: 52792
Ion Ratio Lower Upper
119 100
91 83.5 66.5 99.7
134 21.4 16.7 25.1

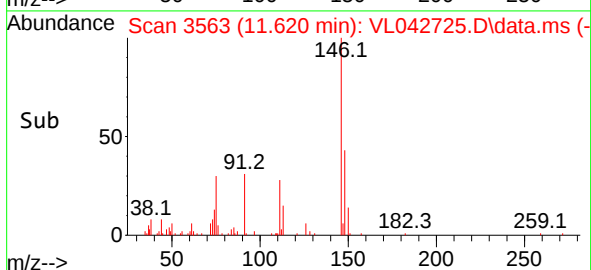
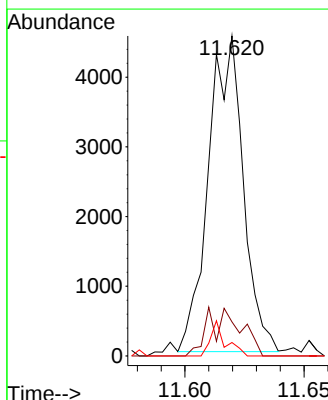
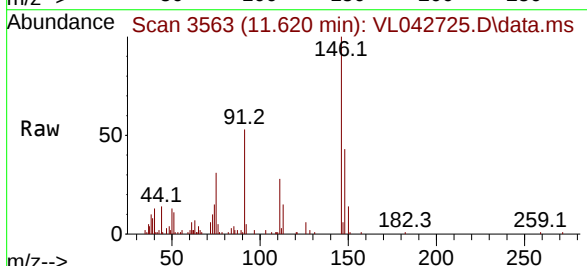
Manual Integrations
APPROVED

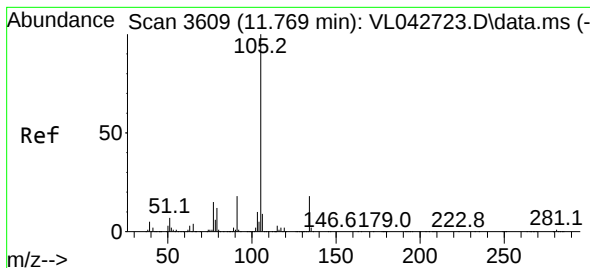
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#66
Benzyl Chloride
Concen: 0.965 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.006 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

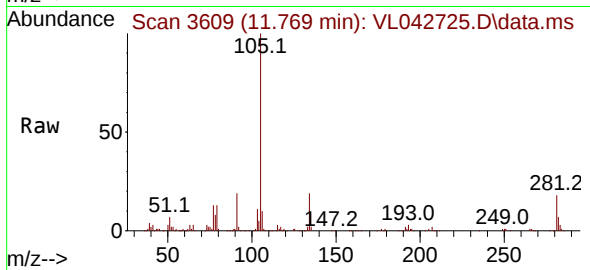
Tgt Ion: 91 Resp: 4588
Ion Ratio Lower Upper
91 100
126 14.2 15.0 22.4#
128 4.7 5.0 7.6#





#67
 sec-Butylbenzene
 Concen: 1.046 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. -0.000 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

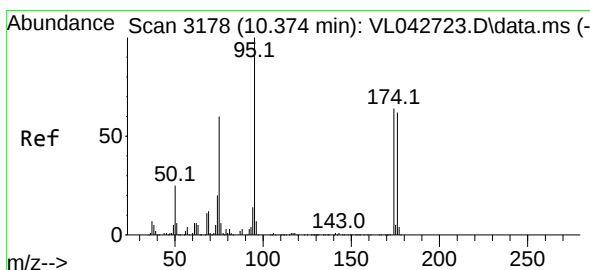
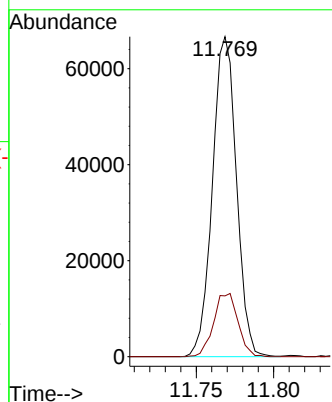
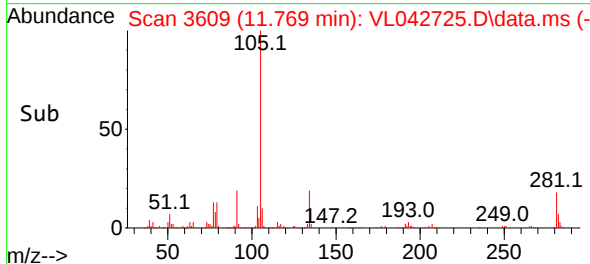
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



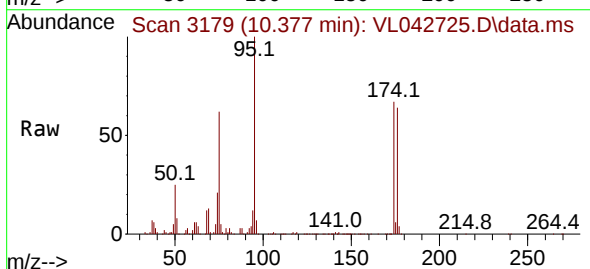
Tgt Ion:105 Resp: 7187
 Ion Ratio Lower Upper
 105 100
 134 20.1 15.0 22.4

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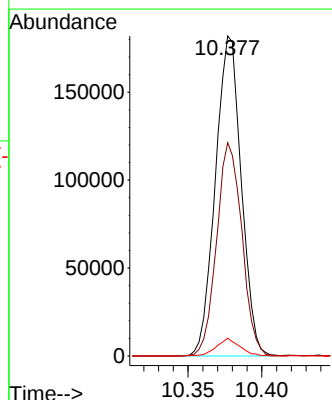
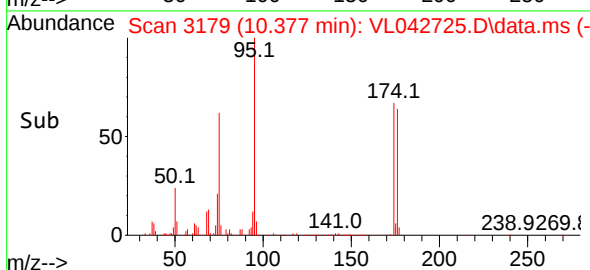
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

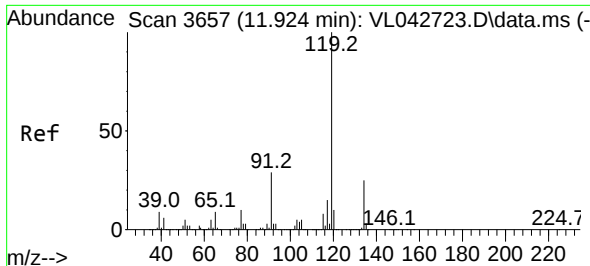


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.864 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.003 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04



Tgt Ion: 95 Resp: 222231
 Ion Ratio Lower Upper
 95 100
 174 65.1 51.4 77.2
 175 5.0 4.2 6.4





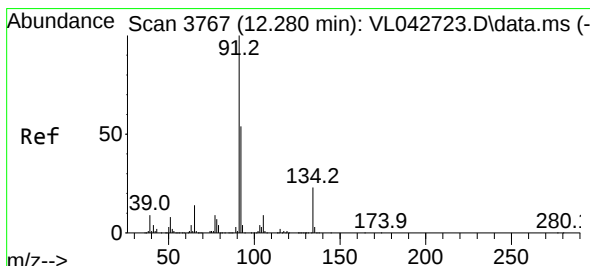
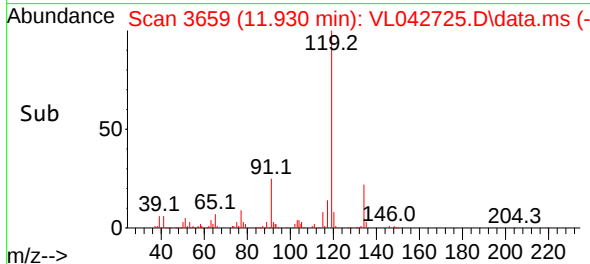
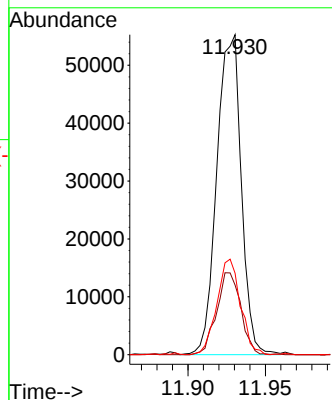
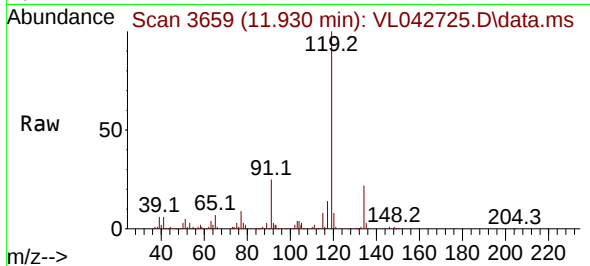
#69
p-Isopropyltoluene
Concen: 1.053 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. 0.006 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 119 Resp: 60634
Ion Ratio Lower Upper
119 100
134 25.4 19.8 29.6
91 29.2 23.9 35.9

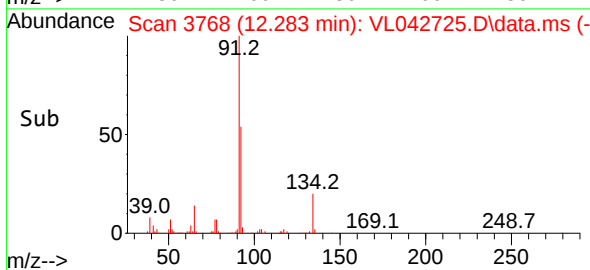
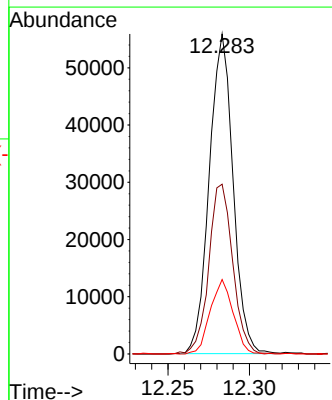
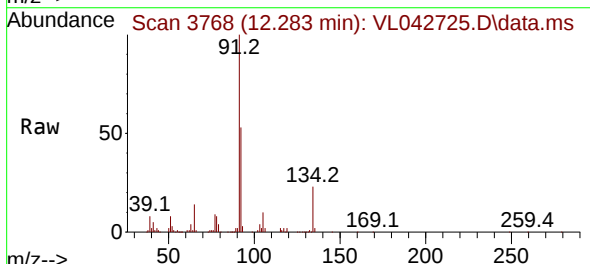
Manual Integrations
APPROVED

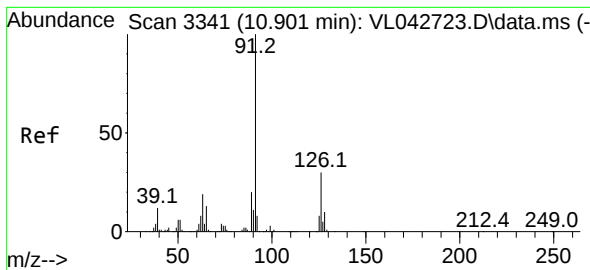
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#70
n-Butylbenzene
Concen: 1.029 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 91 Resp: 56605
Ion Ratio Lower Upper
91 100
92 53.8 43.2 64.8
134 22.7 19.0 28.6





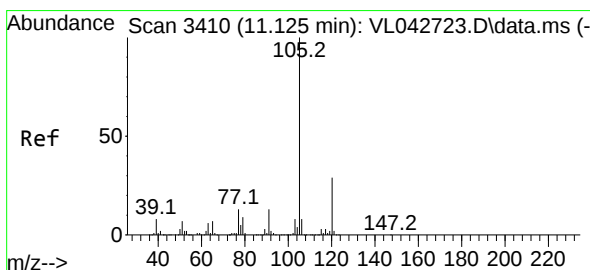
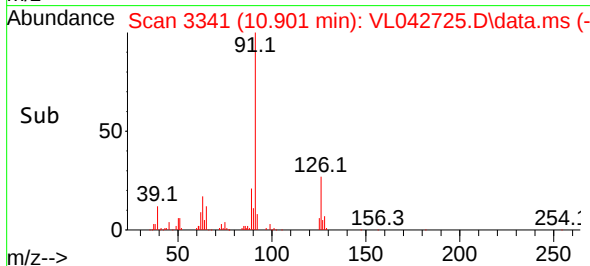
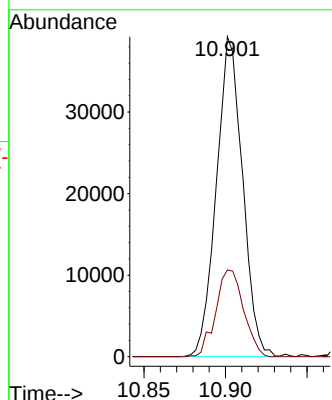
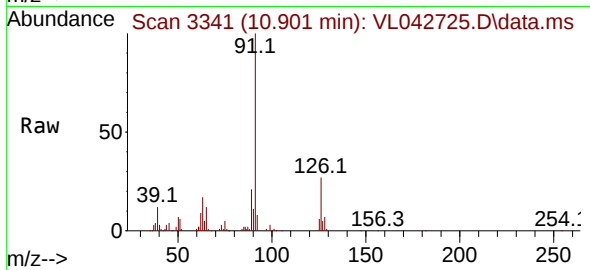
#71
2-Chlorotoluene
Concen: 1.032 ppbv
RT: 10.901 min Scan# 3341
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 4375
Ion Ratio Lower Upper
91 100
126 28.8 11.6 46.4

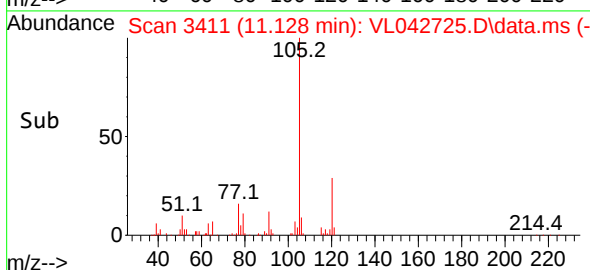
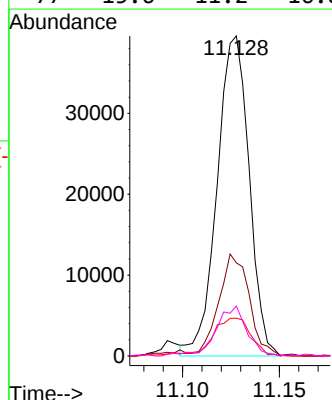
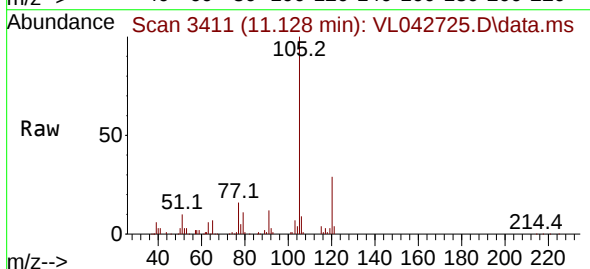
Manual Integrations
APPROVED

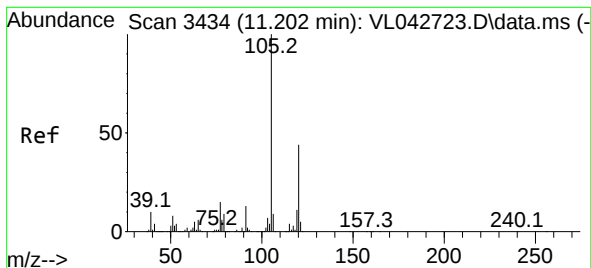
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#72
4-Ethyltoluene
Concen: 1.014 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion:105 Resp: 45501
Ion Ratio Lower Upper
105 100
120 31.6 23.4 35.0
91 14.4 10.6 15.8
77 15.6 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 1.011 ppbv

RT: 11.205 min Scan# 3434

Delta R.T. 0.003 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 3750

Ion Ratio Lower Upper

105 100

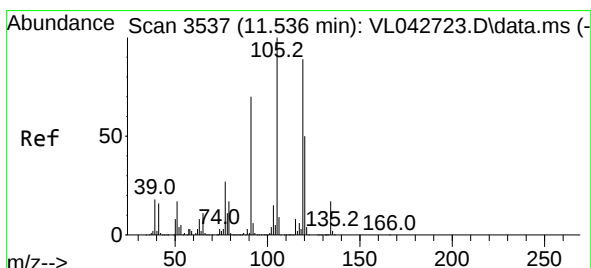
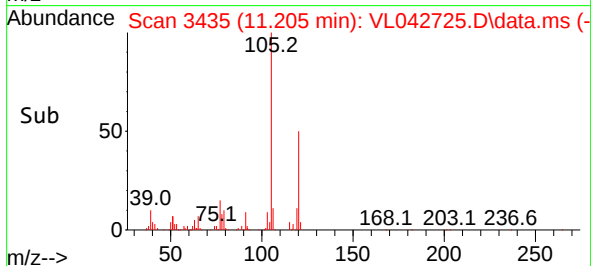
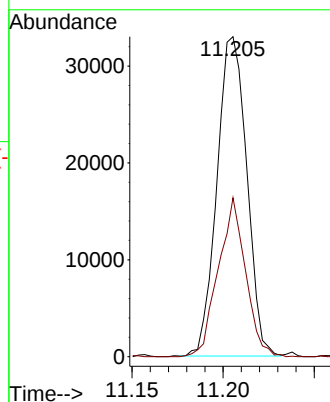
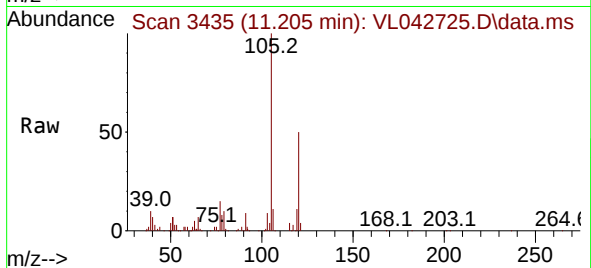
120 49.8 35.2 52.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#74

1,2,4-Trimethylbenzene

Concen: 1.013 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Tgt Ion:105 Resp: 41241

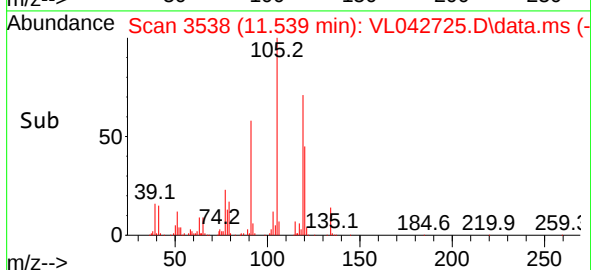
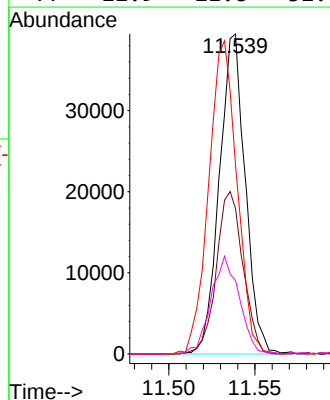
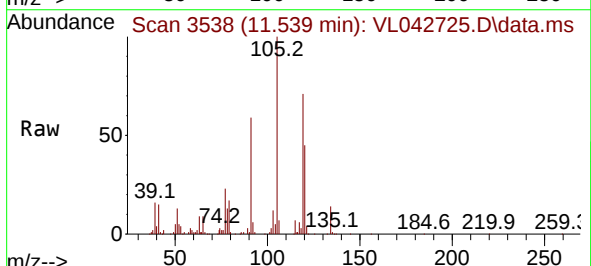
Ion Ratio Lower Upper

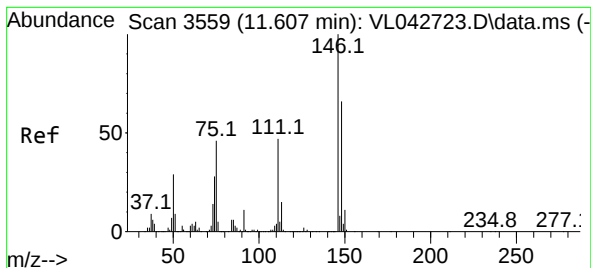
105 100

120 45.4 39.9 59.9

91 58.8 56.5 84.7

77 22.9 21.8 32.6





#75

1,3-Dichlorobenzene

Concen: 1.047 ppbv

RT: 11.610 min Scan# 3559

Delta R.T. 0.003 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

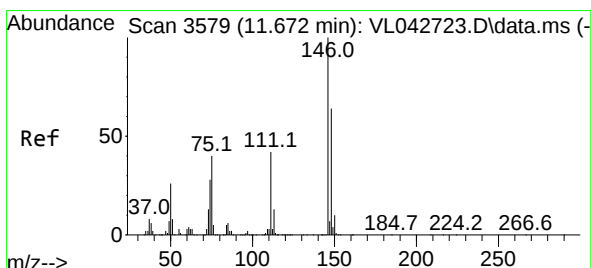
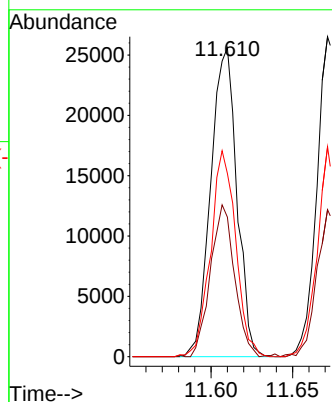
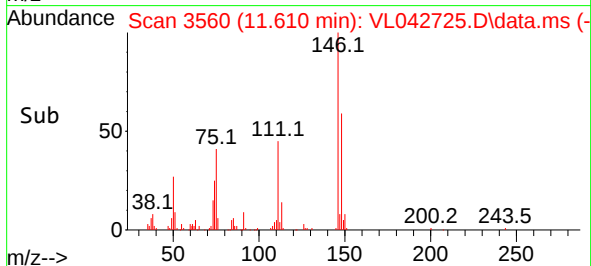
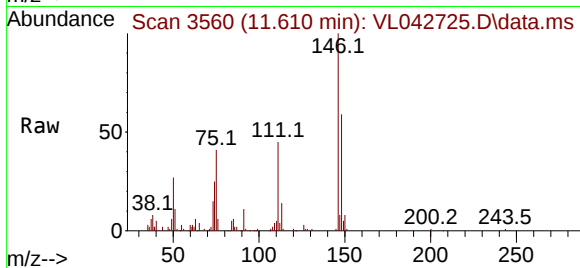
VSTDIC001

Tgt Ion:	146	Resp:	28504
Ion Ratio	Lower	Upper	
146	100		
111	45.8	23.5	70.5
148	64.2	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: 1.050 ppbv

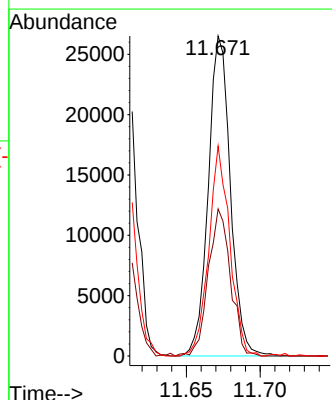
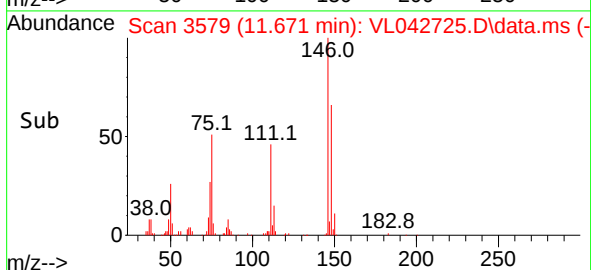
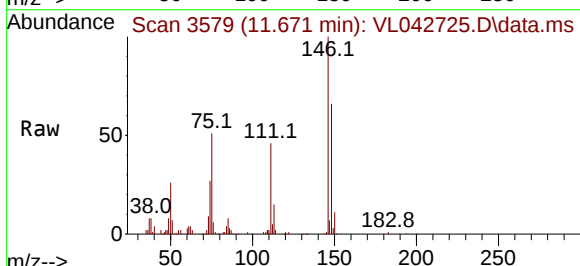
RT: 11.671 min Scan# 3579

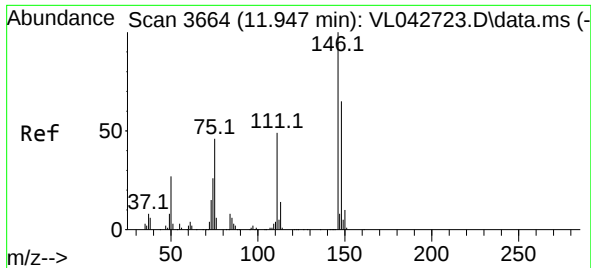
Delta R.T. -0.000 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Tgt Ion:	146	Resp:	27656
Ion Ratio	Lower	Upper	
146	100		
111	45.9	22.1	66.1
148	62.8	32.1	96.5





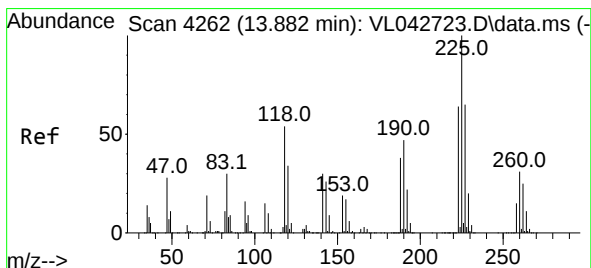
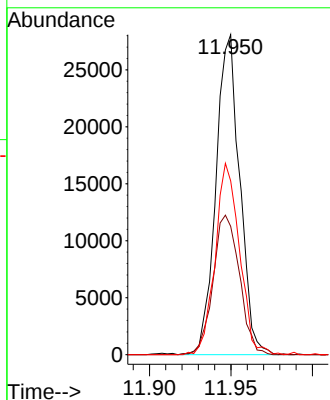
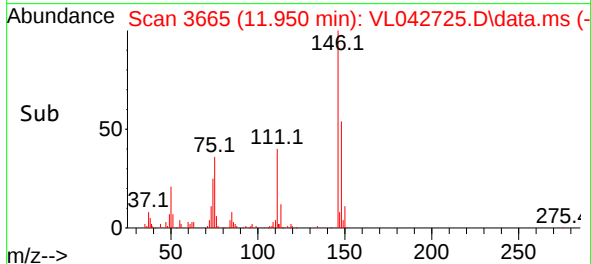
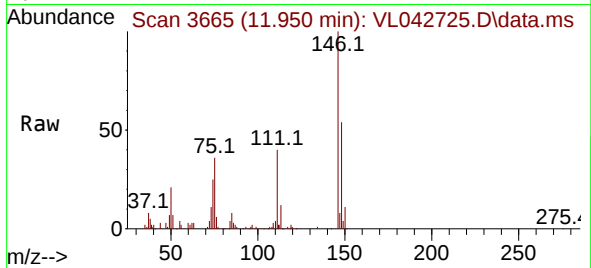
#77
1,2-Dichlorobenzene
Concen: 1.096 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 28594
Ion Ratio Lower Upper
146 100
111 48.2 24.9 74.6
148 61.1 32.0 96.0

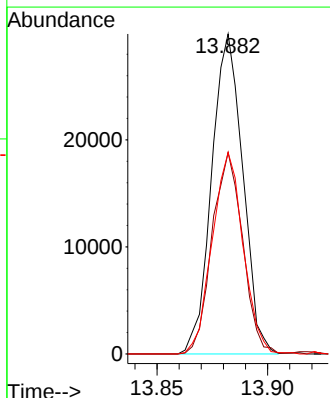
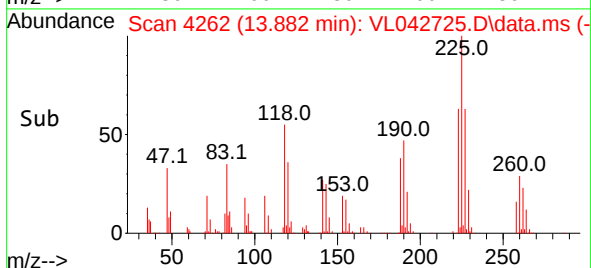
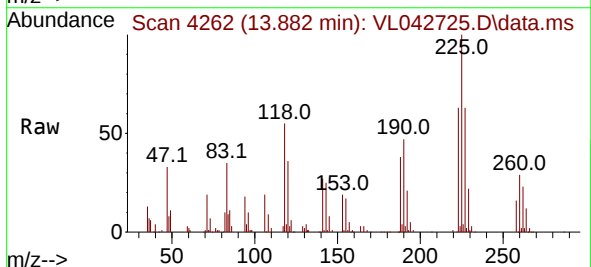
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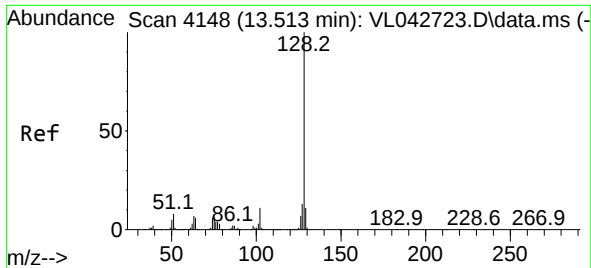
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#78
Hexachloro-1,3-Butadiene
Concen: 1.151 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

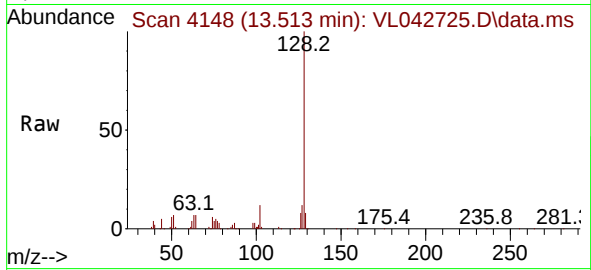
Tgt Ion:225 Resp: 29228
Ion Ratio Lower Upper
225 100
223 62.2 51.3 76.9
227 62.9 51.8 77.8





#79
Naphthalene
Concen: 0.813 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

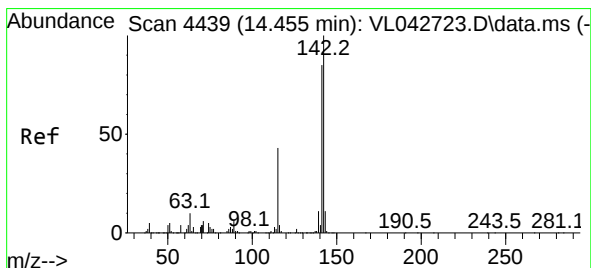
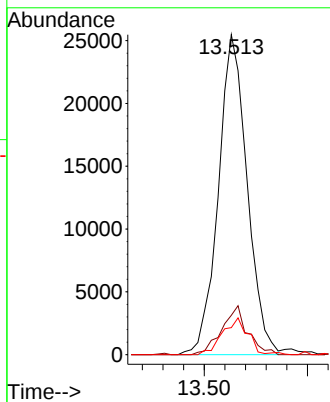
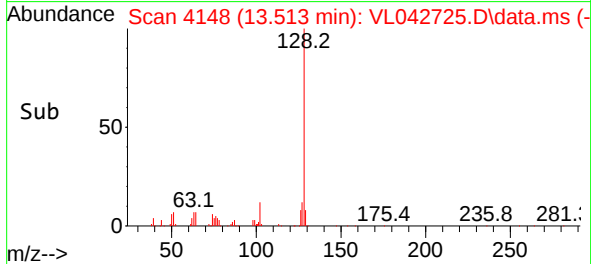
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



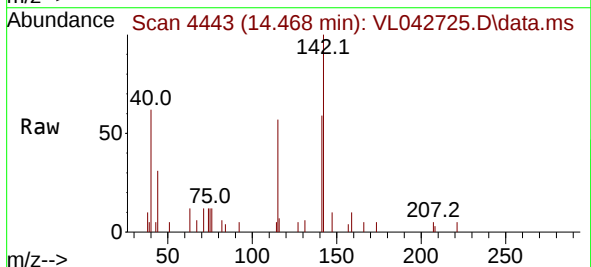
Tgt Ion:128 Resp: 2467
Ion Ratio Lower Upper
128 100
127 12.3 10.3 15.5
129 8.4 8.6 13.0

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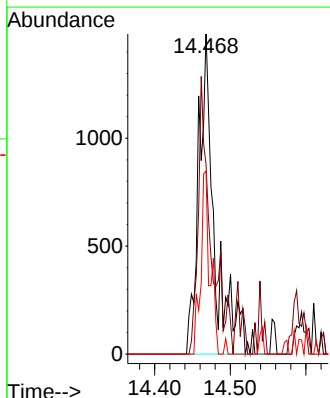
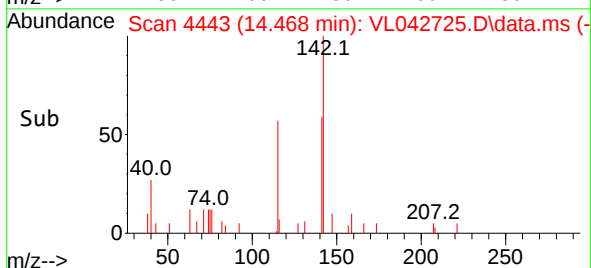
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

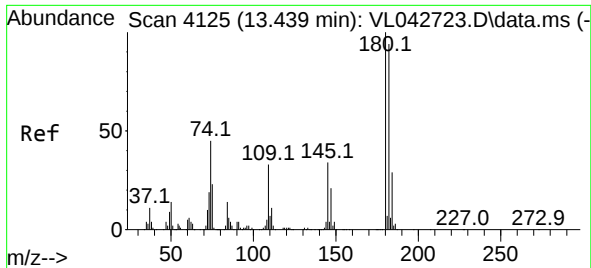


#80
Naphthalene,2-methyl-
Concen: 0.225 ppbv m
RT: 14.468 min Scan# 4443
Delta R.T. 0.013 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04



Tgt Ion:142 Resp: 2244
Ion Ratio Lower Upper
142 100
141 61.5 65.6 98.4#
115 32.8 31.7 47.5





#81
 1,2,4-Trichlorobenzene
 Concen: 0.903 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:180 Resp: 1677
 Ion Ratio Lower Upper
 180 100
 182 93.8 77.1 115.7
 184 31.4 25.0 37.4

Manual Integrations
 APPROVED

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

