

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
 Data File : VL042775.D
 Acq On : 29 Jul 2025 10:03
 Operator : SY/MD
 Sample : VL0729ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/30/2025
 Supervised By :Mahesh Dadoda 07/30/2025

Quant Time: Jul 30 01:07:10 2025

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

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

QLast Update : Thu Jul 24 05:24:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	147720	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	406248	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	362182	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 300507 10.477 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	178467	9.138	ppbv	99
3) Chlorodifluoromethane	1.476	51	252532	9.926	ppbv	98
4) Chloromethane	1.534	50	72931	9.230	ppbv	93
5) Vinyl Chloride	1.580	62	62366	7.989	ppbv	93
6) Bromomethane	1.667	94	26031	8.625	ppbv	99
7) Chloroethane	1.706	64	26026	8.628	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	144832	9.017	ppbv	97
9) Propene	1.483	41	30594m	3.309	ppbv	
10) Heptane	4.981	43	256896	10.303	ppbv	98
11) Trichlorofluoromethane	1.877	101	170043	8.446	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	136885	8.947	ppbv	98
13) Ethanol	1.722	45	6159	7.996	ppbv	93
14) Bromoethene	1.784	108	49106	9.066	ppbv	100
15) Acetone	1.835	43	144352	7.077	ppbv	98
16) 1,3-Butadiene	1.609	39	75313	8.656	ppbv	98
17) tert-Butyl alcohol	2.042	59	155492	8.452	ppbv	99
18) 1,1-Dichloroethene	2.036	96	58795	8.505	ppbv	94
19) Isopropyl Alcohol	1.887	45	88717	8.184	ppbv #	40
20) Methylene Chloride	2.062	84	51269	7.976	ppbv	98
21) Allyl Chloride	2.097	41	116738	9.286	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	66152	8.896	ppbv	97
23) Vinyl Acetate	2.463	43	260137	10.519	ppbv	99
24) 1,1-Dichloroethane	2.411	63	135661	8.888	ppbv	98
25) Ethyl Acetate	2.839	43	458470	10.154	ppbv	99
26) Hexane	2.829	57	194868	9.839	ppbv	97
27) Carbon Disulfide	2.149	76	163937	9.668	ppbv	97
28) Methyl tert-Butyl Ether	2.441	73	85147	9.100	ppbv	98
29) Chloroform	2.852	83	302152	9.872	ppbv	98
30) Cyclohexane	3.858	84	163305	9.722	ppbv	95
31) cis-1,2-Dichloroethene	2.722	61	195202	9.591	ppbv	97
32) 1,1,1-Trichloroethane	3.369	97	302708	9.495	ppbv	99
34) 2-Butanone	2.557	43	301130	10.464	ppbv	100
35) Carbon Tetrachloride	3.768	117	316452	10.487	ppbv	99
36) Benzene	3.658	78	396529	10.299	ppbv	99
37) 1,2-Dichloroethane	3.221	62	239826	10.340	ppbv	100
38) Trichloroethene	4.551	130	179048	9.680	ppbv	98
39) 1,2-Dichloropropane	4.315	63	147019	10.345	ppbv	96
40) 1,4-Dioxane	4.590	88	58940	8.897	ppbv #	92
41) Tetrahydrofuran	3.056	42	161642	11.039	ppbv	98
42) Bromodichloromethane	4.493	83	331225	10.966	ppbv	98
43) Methyl Methacrylate	4.884	69	151296	11.056	ppbv	100
44) 2,2,4-Trimethylpentane	4.641	57	677642	10.798	ppbv	99
45) t-1,3-Dichloropropene	6.418	75	169889	11.070	ppbv	96

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 Supervised By : Mahesh Dadoda 07/30/2025

Quant Time: Jul 30 01:07:10 2025

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

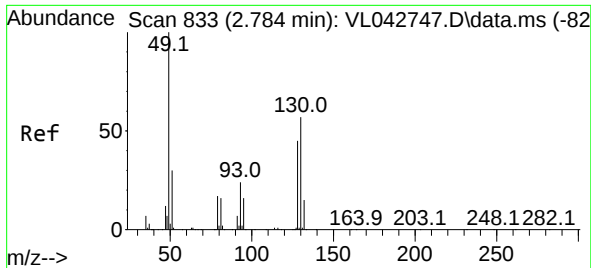
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Jul 24 05:24:41 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	216386	11.127	ppbv	95
47) 1,1,2-Trichloroethane	6.587	97	158024	10.431	ppbv	96
48) Dibromochloromethane	7.393	129	267594	11.126	ppbv	99
49) Bromoform	9.490	173	236537	11.279	ppbv	98
50) 4-Methyl-2-Pentanone	5.755	43	403879	10.895	ppbv	99
51) 2-Hexanone	7.441	43	324598	11.588	ppbv #	99
52) Tetrachloroethene	8.231	164	147681	9.254	ppbv	97
53) Toluene	6.939	91	442975	10.714	ppbv	99
54) 1,2-Dibromoethane	7.661	107	227055	10.608	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.930	131	199481	10.593	ppbv	99
57) Chlorobenzene	8.927	112	356684	10.176	ppbv	98
58) Ethyl Benzene	9.360	91	619615	10.833	ppbv	97
59) m/p-Xylene	9.558	91	1017108m	22.251	ppbv	
60) o-Xylene	9.969	91	503091	11.014	ppbv	99
61) Styrene	9.875	104	217700	11.330	ppbv	99
62) Isopropylbenzene	10.545	105	725939	10.775	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.969	83	295182	10.066	ppbv	100
64) n-propylbenzene	10.992	120	197294	11.233	ppbv	98
65) tert-Butylbenzene	11.536	119	650437	10.869	ppbv	99
66) Benzyl Chloride	11.620	91	62462	12.714	ppbv	99
67) sec-Butylbenzene	11.772	105	917232	10.776	ppbv	99
69) p-Isopropyltoluene	11.930	119	782429	11.274	ppbv	100
70) n-Butylbenzene	12.286	91	797862	11.901	ppbv	99
71) 2-Chlorotoluene	10.904	91	563888	10.915	ppbv	99
72) 4-Ethyltoluene	11.128	105	619662	11.360	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	514083	11.447	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	565531	11.542	ppbv	94
75) 1,3-Dichlorobenzene	11.610	146	367259	10.692	ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	368710	10.969	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	352249	10.434	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	287825	9.419	ppbv	99
79) Naphthalene	13.516	128	560369	10.516	ppbv	100
80) Naphthalene,2-methyl-	14.458	142	220575	8.489	ppbv	97
81) 1,2,4-Trichlorobenzene	13.442	180	314686	10.508	ppbv	100

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



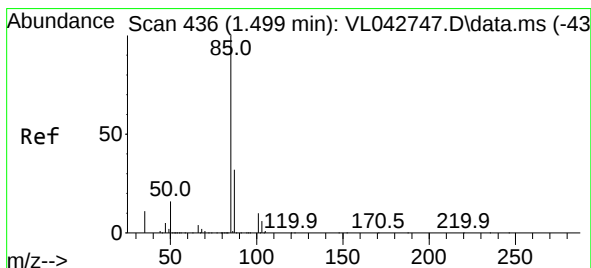
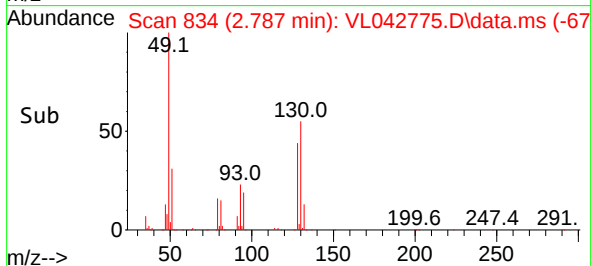
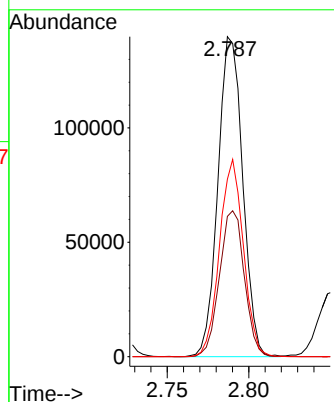
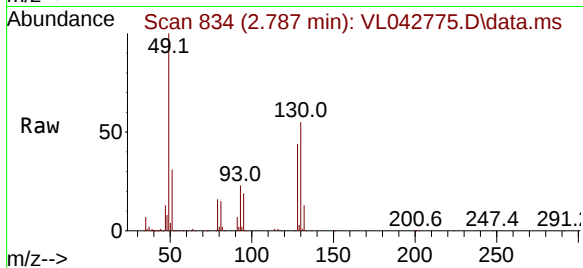
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01

Tgt Ion: 49 Resp: 147720
Ion Ratio Lower Upper
49 100
128 45.8 23.6 71.0
130 59.5 30.3 90.8

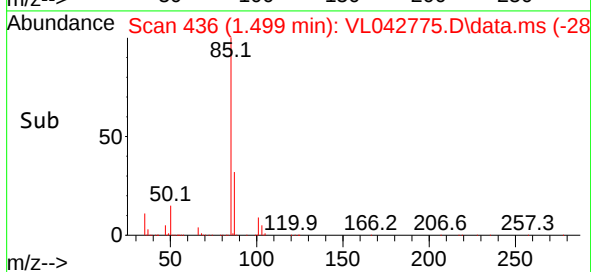
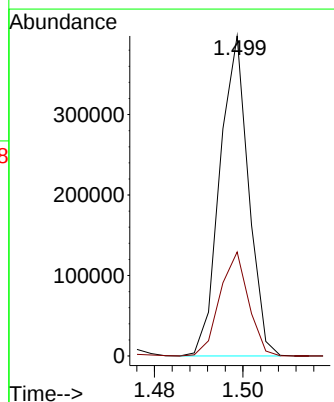
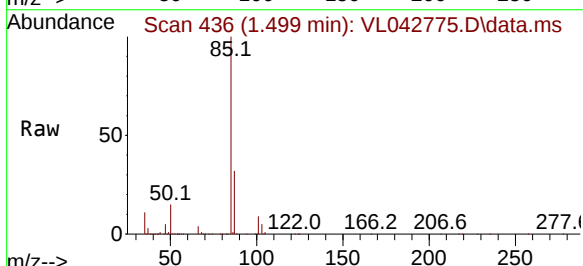
Manual Integrations
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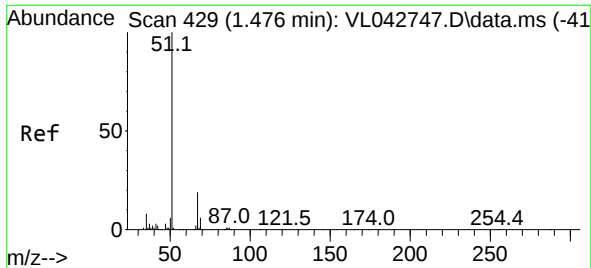
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#2
Dichlorodifluoromethane
Concen: 9.138 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

Tgt Ion: 85 Resp: 178467
Ion Ratio Lower Upper
85 100
87 32.5 25.4 38.2





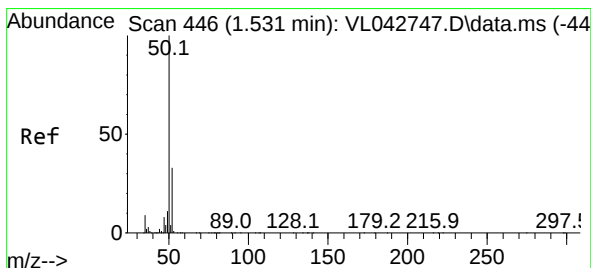
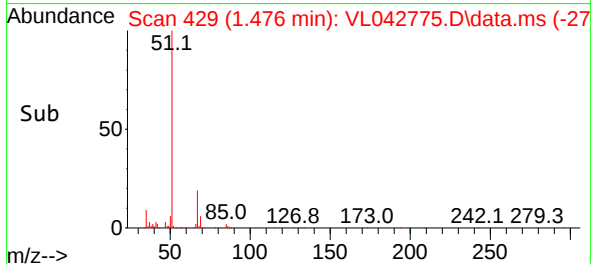
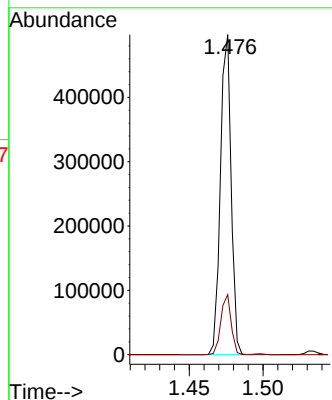
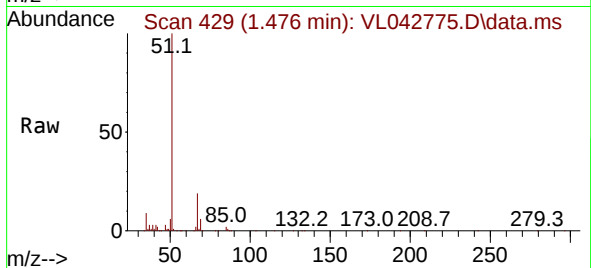
#3
Chlorodifluoromethane
Concen: 9.926 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01

Tgt Ion: 51 Resp: 25253
Ion Ratio Lower Upper
51 100
67 18.0 15.0 22.6

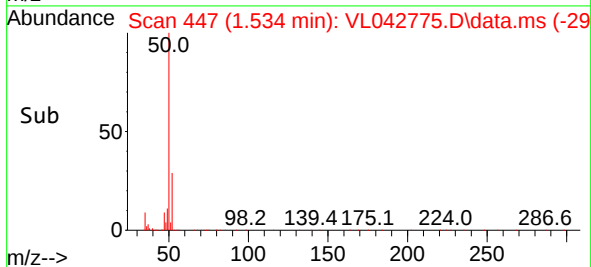
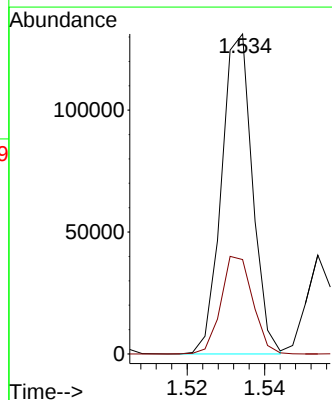
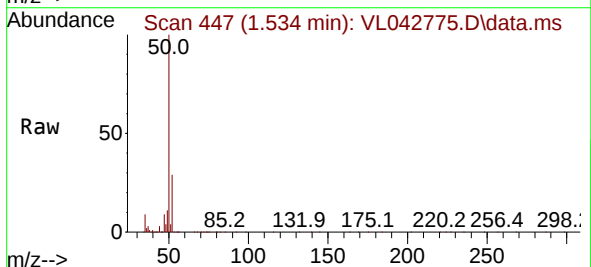
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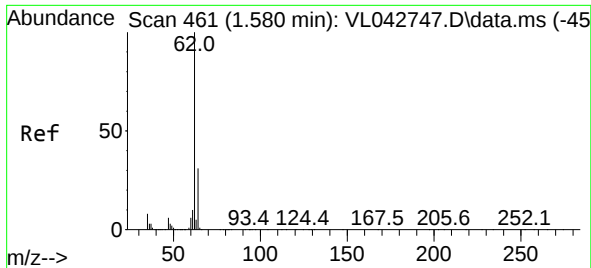
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#4
Chloromethane
Concen: 9.230 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

Tgt Ion: 50 Resp: 72931
Ion Ratio Lower Upper
50 100
52 29.4 26.6 40.0





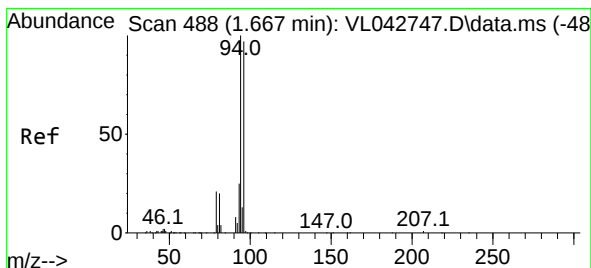
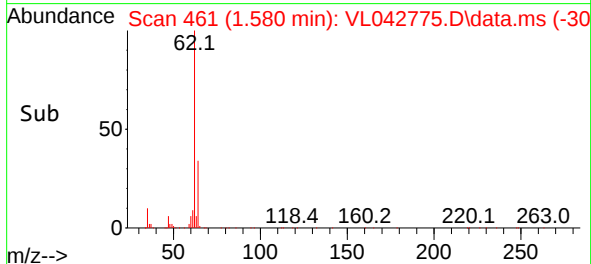
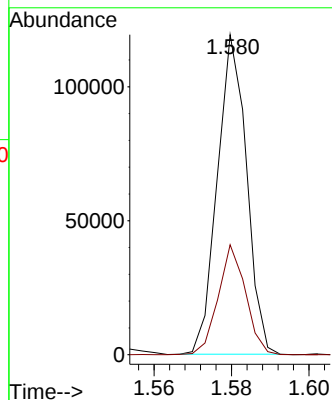
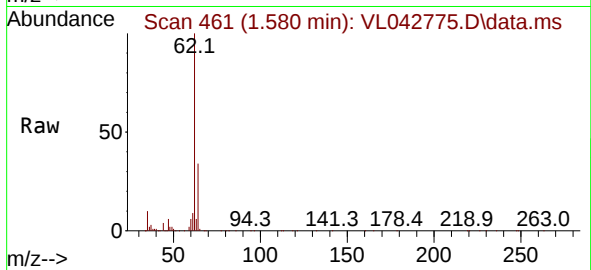
#5
 Vinyl Chloride
 Concen: 7.989 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042775.D
 Acq: 29 Jul 2025 10:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01

Tgt Ion: 62 Resp: 62360
 Ion Ratio Lower Upper
 62 100
 64 34.3 24.5 36.7

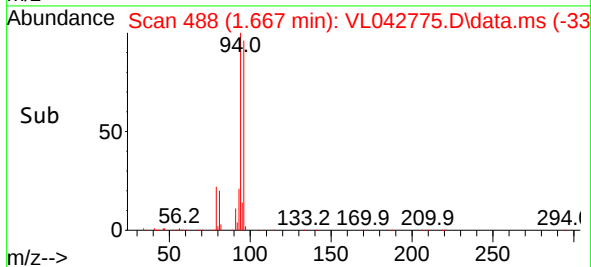
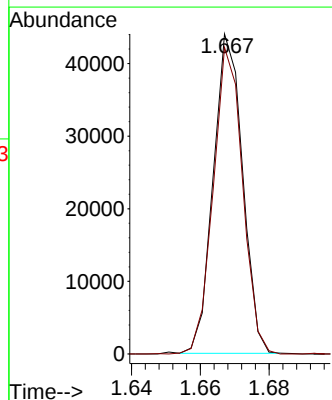
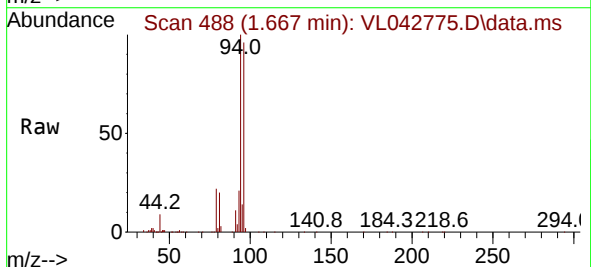
Manual Integrations
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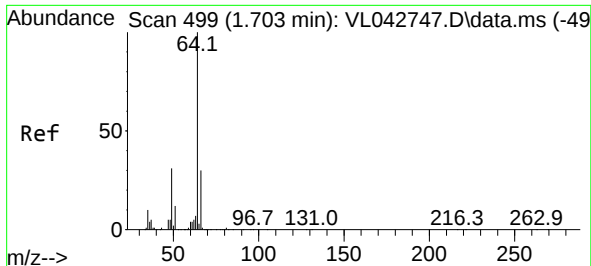
Reviewed By :Semsettin Yesilyurt 07/30/2025
 Supervised By :Mahesh Dadoda 07/30/2025



#6
 Bromomethane
 Concen: 8.625 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042775.D
 Acq: 29 Jul 2025 10:03

Tgt Ion: 94 Resp: 26031
 Ion Ratio Lower Upper
 94 100
 96 96.0 77.6 116.4





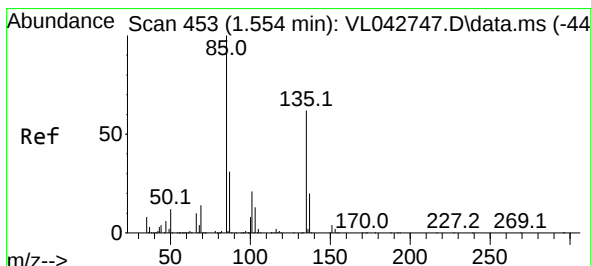
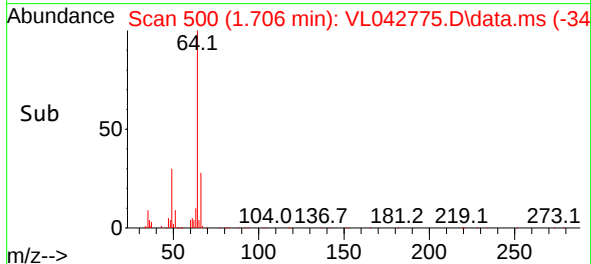
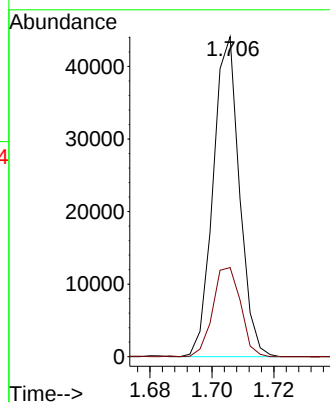
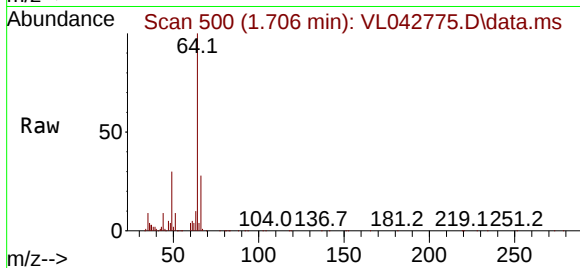
#7
Chloroethane
Concen: 8.628 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01

Tgt Ion: 64 Resp: 26020
Ion Ratio Lower Upper
64 100
66 27.9 24.1 36.1

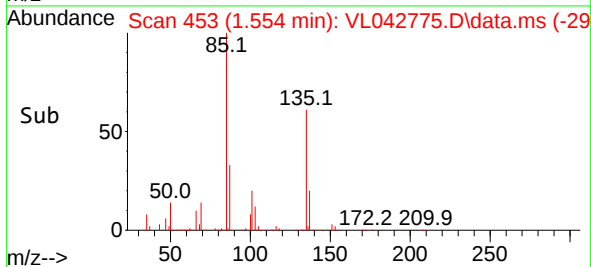
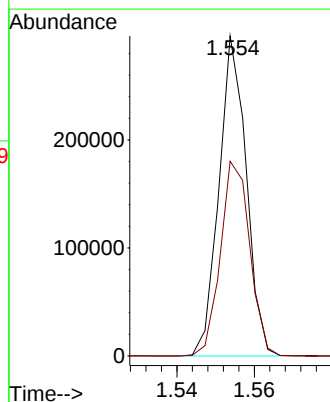
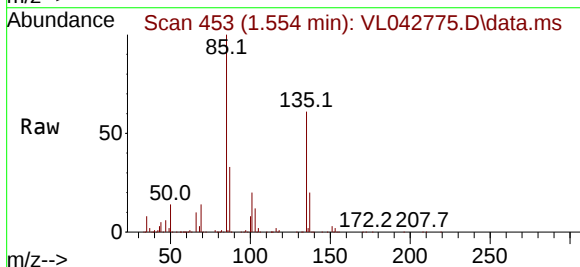
Manual Integrations
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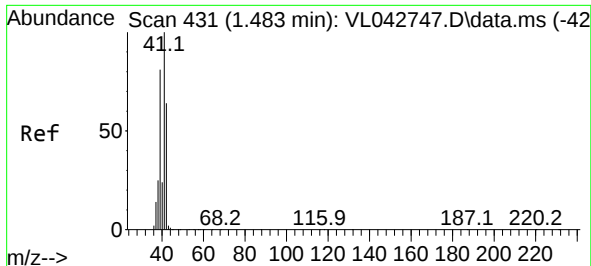
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#8
Dichlorotetrafluoroethane
Concen: 9.017 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

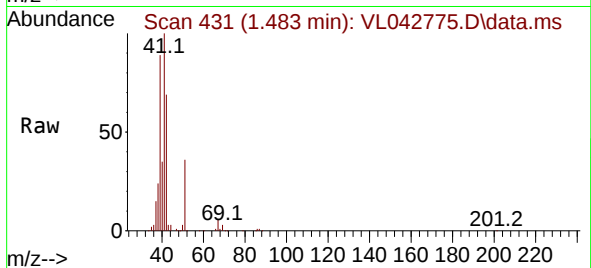
Tgt Ion: 85 Resp: 144832
Ion Ratio Lower Upper
85 100
135 65.5 50.6 76.0





#9
 Propene
 Concen: 3.309 ppbv m
 RT: 1.483 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042775.D
 Acq: 29 Jul 2025 10:03

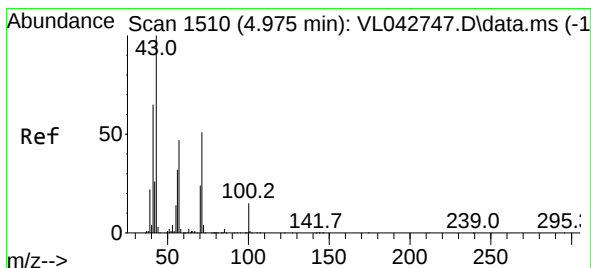
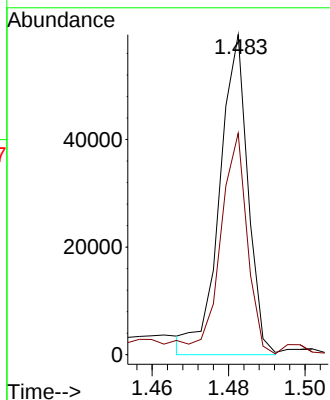
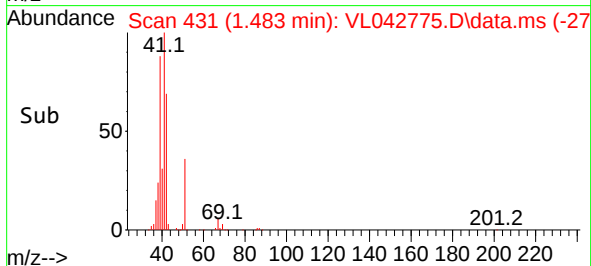
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01



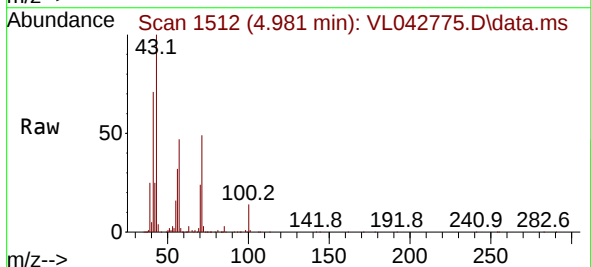
Tgt Ion: 41 Resp: 30594
 Ion Ratio Lower Upper
 41 100
 42 20.6 53.2 79.8

Manual Integrations
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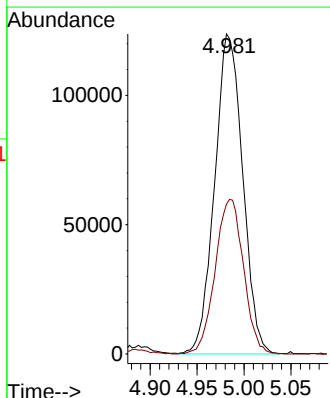
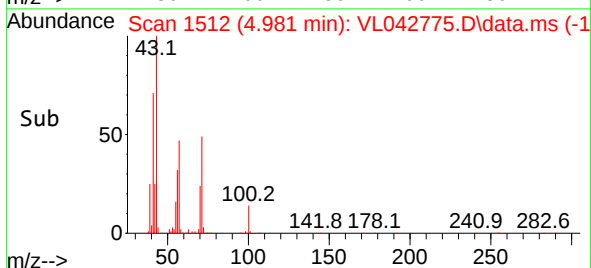
Reviewed By :Semsettin Yesilyurt 07/30/2025
 Supervised By :Mahesh Dadoda 07/30/2025

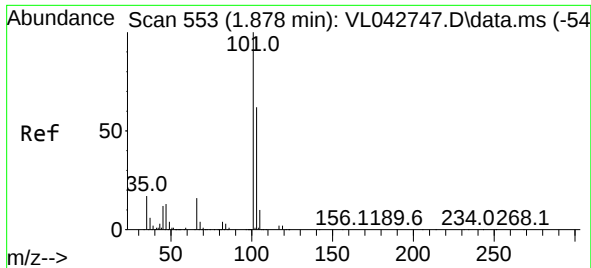


#10
 Heptane
 Concen: 10.303 ppbv
 RT: 4.981 min Scan# 1512
 Delta R.T. 0.006 min
 Lab File: VL042775.D
 Acq: 29 Jul 2025 10:03



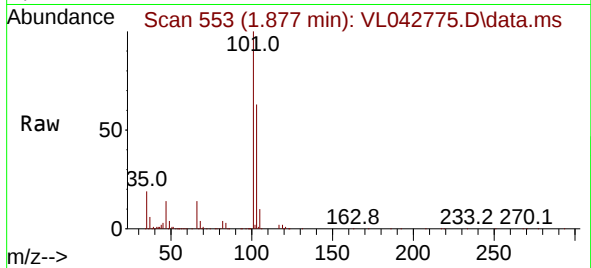
Tgt Ion: 43 Resp: 256896
 Ion Ratio Lower Upper
 43 100
 57 48.8 39.9 59.9





#11
 Trichlorofluoromethane
 Concen: 8.446 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042775.D
 Acq: 29 Jul 2025 10:03

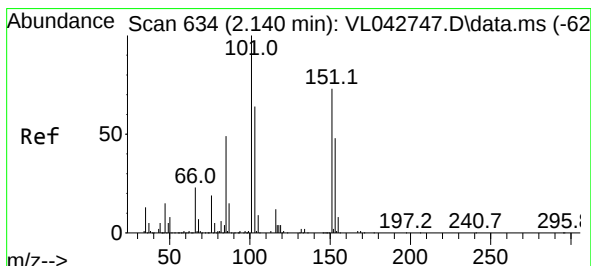
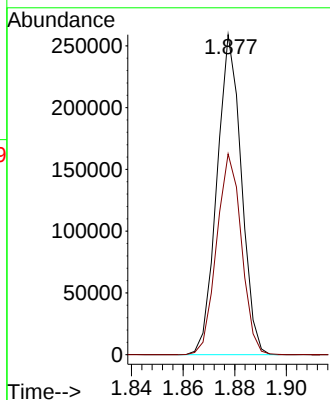
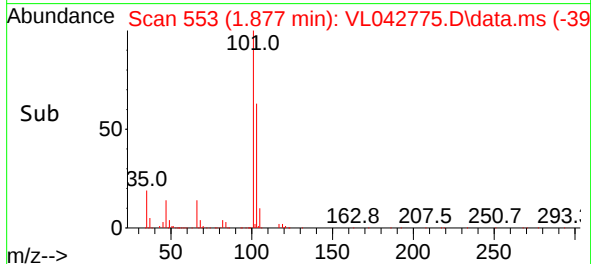
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01



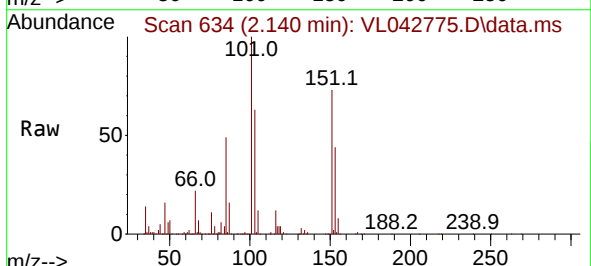
Tgt Ion:101 Resp: 17004
 Ion Ratio Lower Upper
 101 100
 103 62.7 49.6 74.4

Manual Integrations
 APPROVED

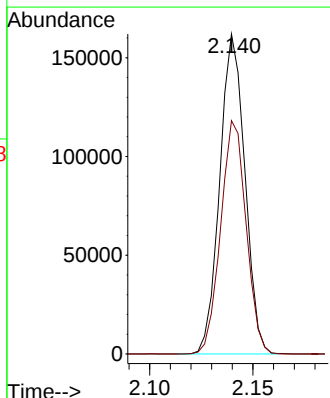
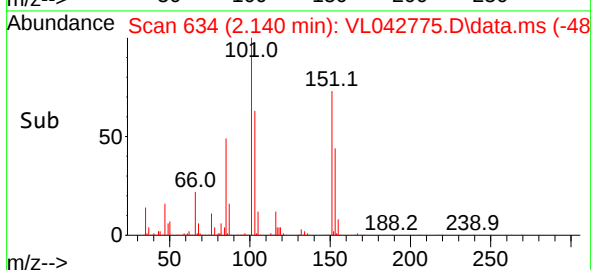
Reviewed By :Semsettin Yesilyurt 07/30/2025
 Supervised By :Mahesh Dadoda 07/30/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.947 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.000 min
 Lab File: VL042775.D
 Acq: 29 Jul 2025 10:03



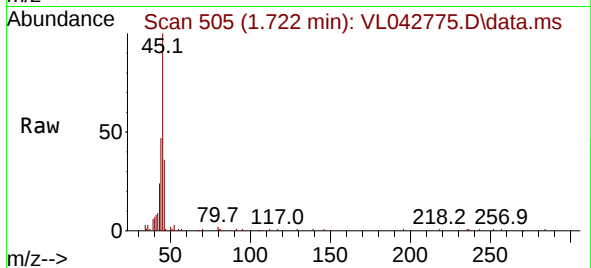
Tgt Ion:101 Resp: 136885
 Ion Ratio Lower Upper
 101 100
 151 73.9 60.5 90.7





#13
Ethanol
Concen: 7.996 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

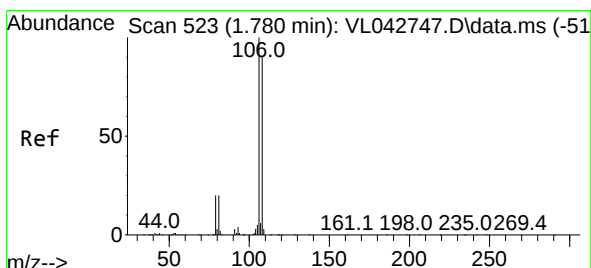
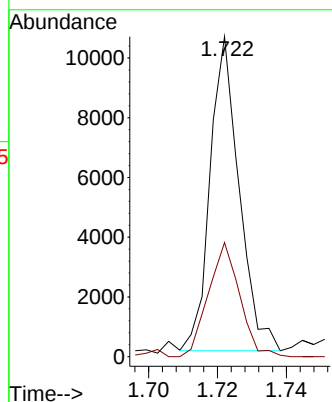
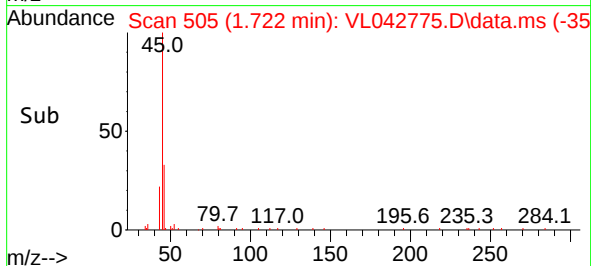
Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01



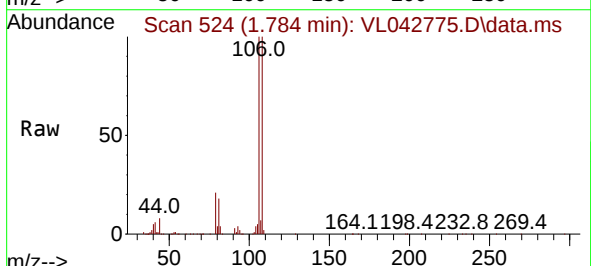
Tgt Ion: 45 Resp: 6159
Ion Ratio Lower Upper
45 100
46 40.3 17.8 71.4

Manual Integrations
APPROVED

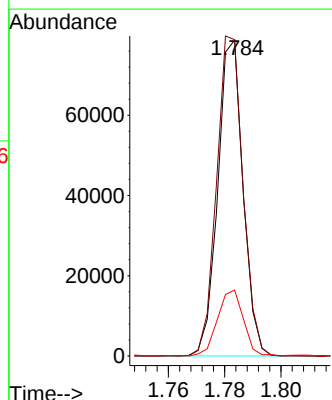
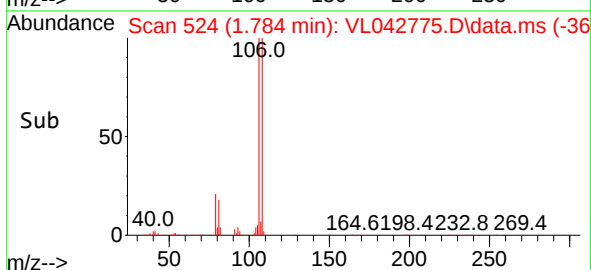
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025

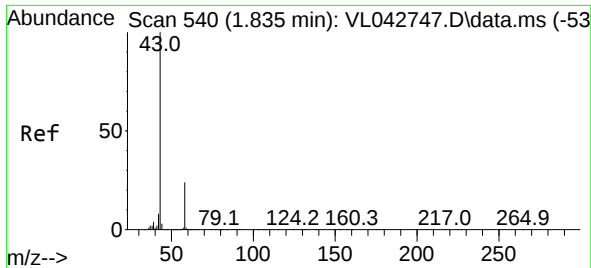


#14
Bromoethene
Concen: 9.066 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03



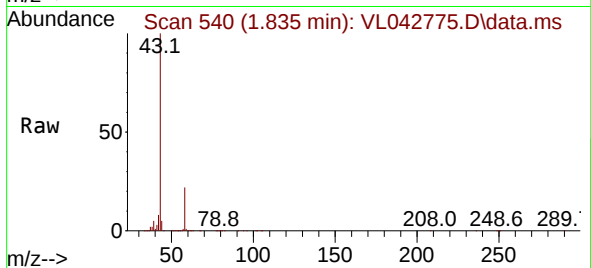
Tgt Ion:108 Resp: 49106
Ion Ratio Lower Upper
108 100
106 105.5 84.7 127.1
79 22.2 17.4 26.2





#15
Acetone
Concen: 7.077 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

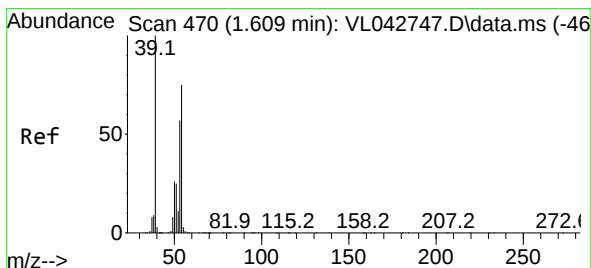
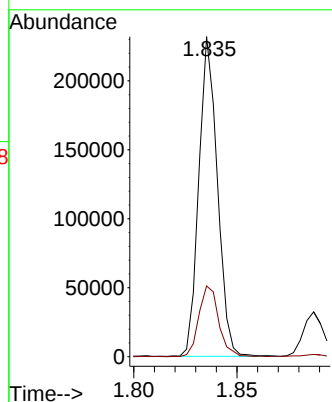
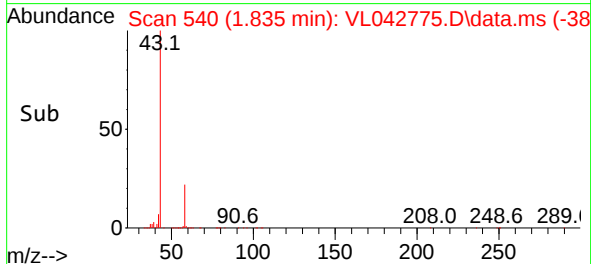
Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01



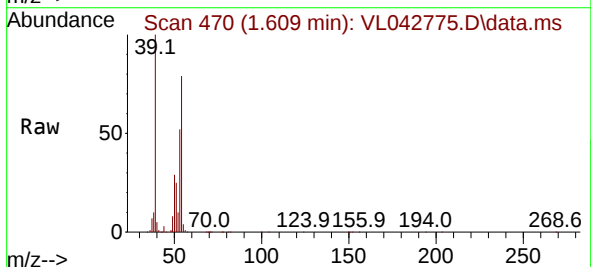
Tgt Ion: 43 Resp: 144352
Ion Ratio Lower Upper
43 100
58 23.9 19.8 29.8

Manual Integrations
APPROVED

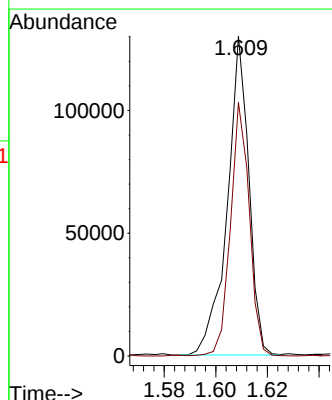
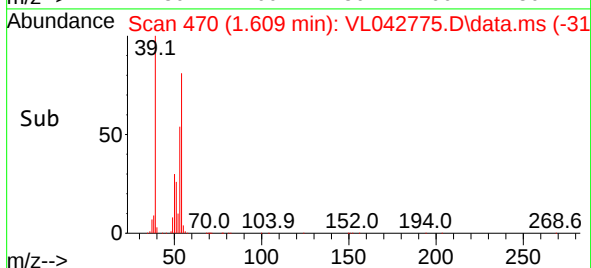
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025

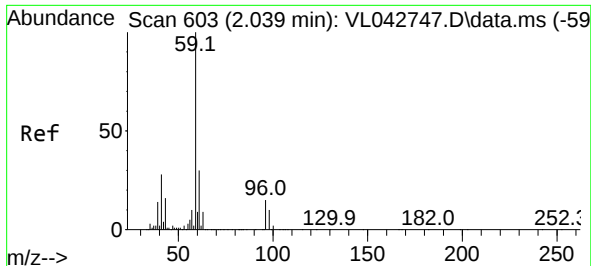


#16
1,3-Butadiene
Concen: 8.656 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03



Tgt Ion: 39 Resp: 75313
Ion Ratio Lower Upper
39 100
54 70.1 54.5 81.7





#17

tert-Butyl alcohol

Concen: 8.452 ppbv

RT: 2.042 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042775.D

Acq: 29 Jul 2025 10:03

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

Tgt Ion: 59 Resp: 155492

Ion Ratio Lower Upper

59 100

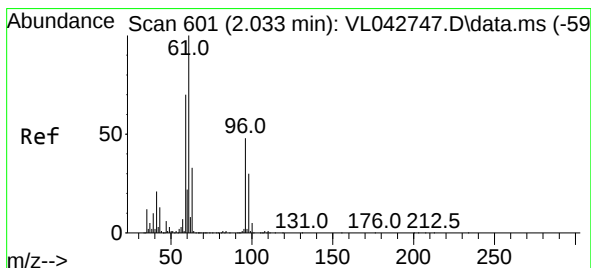
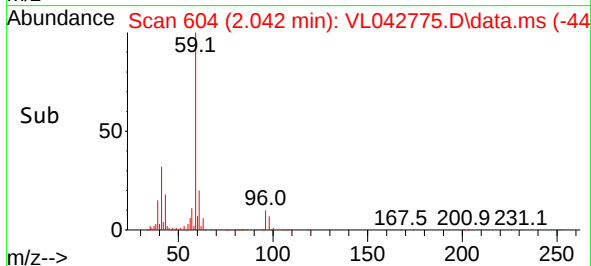
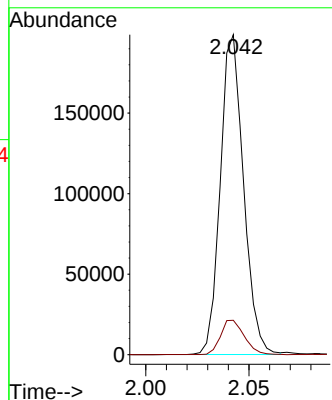
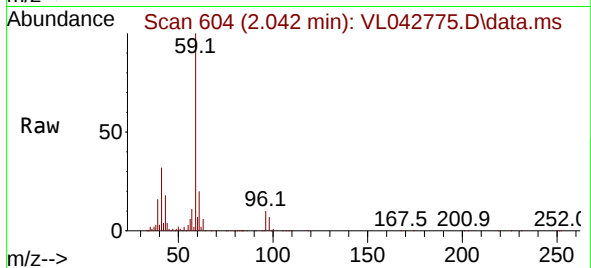
57 11.0 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/30/2025

Supervised By :Mahesh Dadoda 07/30/2025



#18

1,1-Dichloroethene

Concen: 8.505 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042775.D

Acq: 29 Jul 2025 10:03

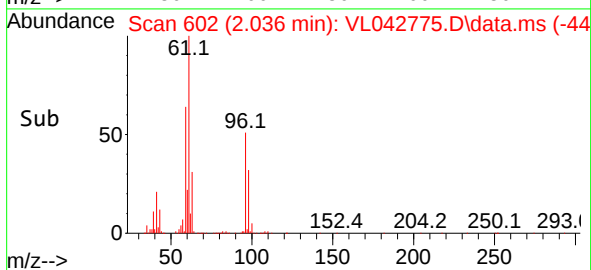
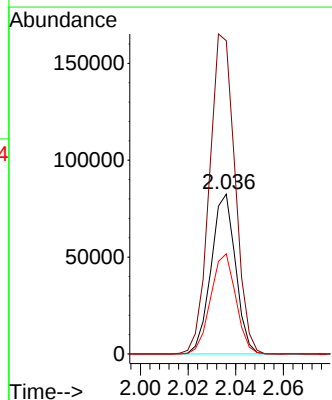
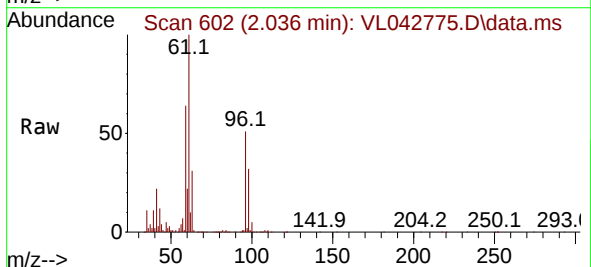
Tgt Ion: 96 Resp: 58795

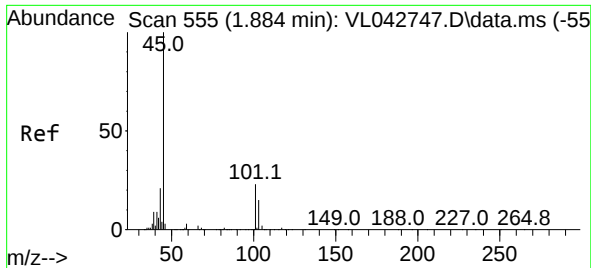
Ion Ratio Lower Upper

96 100

61 195.9 165.8 248.6

98 62.7 49.9 74.9





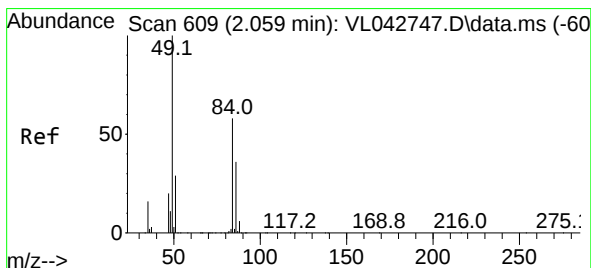
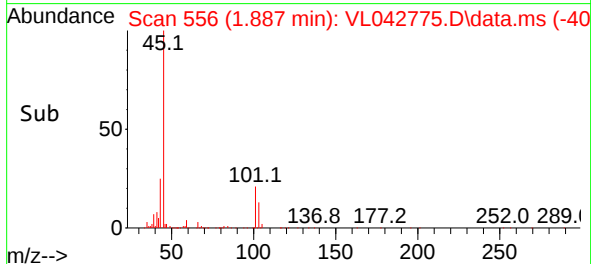
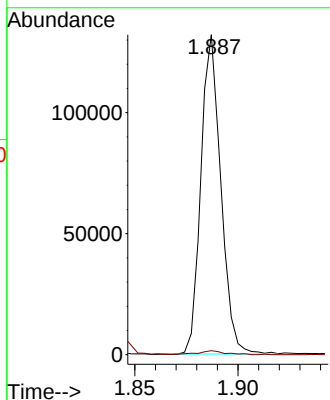
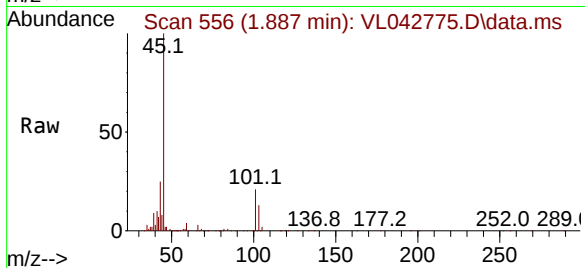
#19
Isopropyl Alcohol
Concen: 8.184 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01

Tgt Ion: 45 Resp: 8871
Ion Ratio Lower Upper
45 100
58 1.7 30.0 45.0

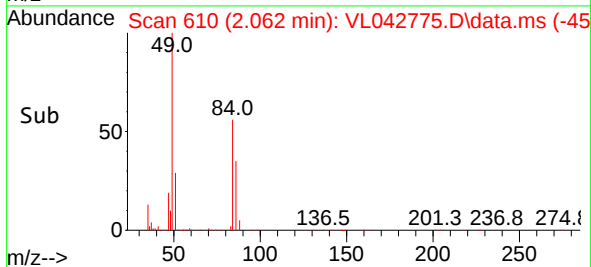
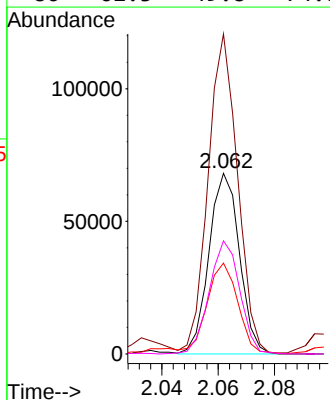
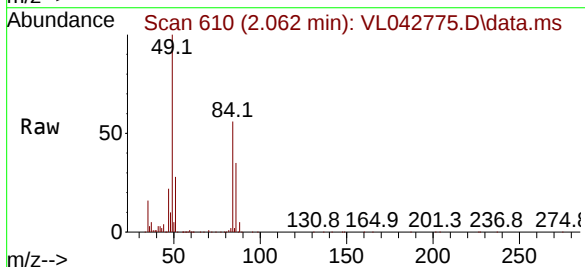
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#20
Methylene Chloride
Concen: 7.976 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

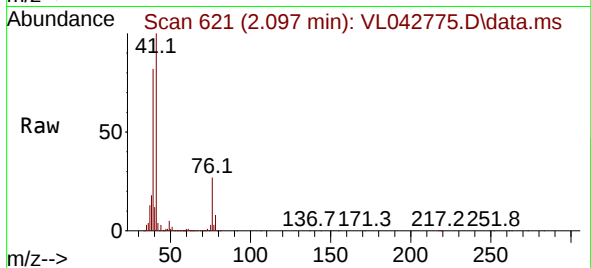
Tgt Ion: 84 Resp: 51269
Ion Ratio Lower Upper
84 100
49 176.6 138.6 208.0
51 49.8 40.6 61.0
86 62.3 49.8 74.8





#21
 Allyl Chloride
 Concen: 9.286 ppbv
 RT: 2.097 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042775.D
 Acq: 29 Jul 2025 10:03

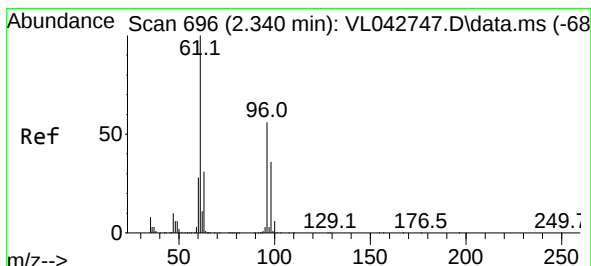
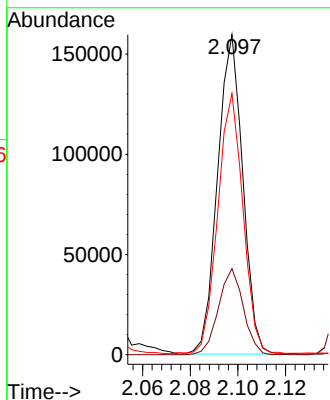
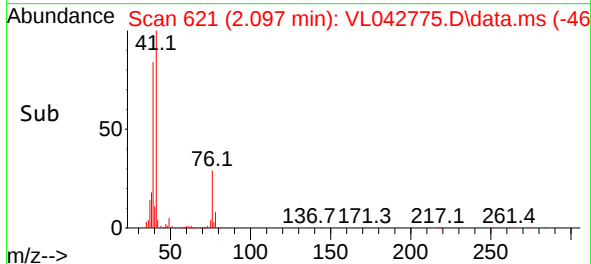
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01



Tgt Ion: 41 Resp: 116738
 Ion Ratio Lower Upper
 41 100
 76 26.6 21.1 31.7
 39 81.7 68.3 102.5

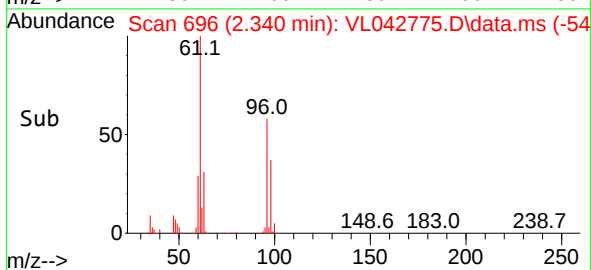
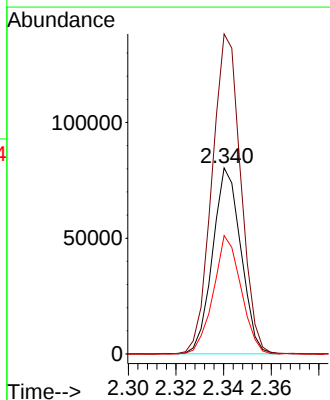
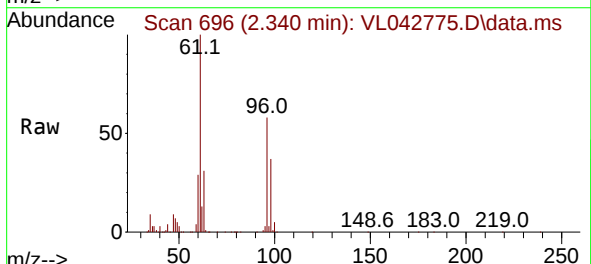
Manual Integrations
 APPROVED

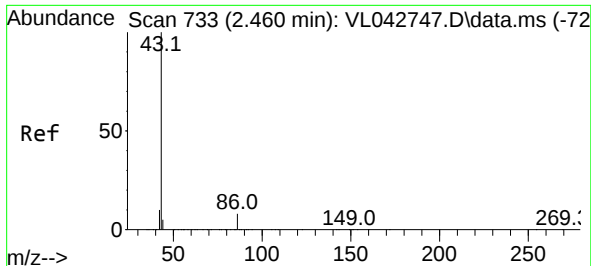
Reviewed By :Semsettin Yesilyurt 07/30/2025
 Supervised By :Mahesh Dadoda 07/30/2025



#22
 trans-1,2-Dichloroethene
 Concen: 8.896 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.000 min
 Lab File: VL042775.D
 Acq: 29 Jul 2025 10:03

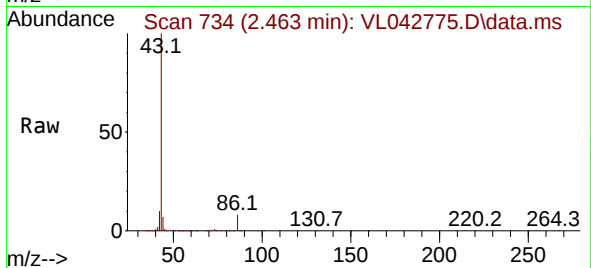
Tgt Ion: 96 Resp: 66152
 Ion Ratio Lower Upper
 96 100
 61 171.9 142.3 213.5
 98 63.8 50.6 76.0





#23
 Vinyl Acetate
 Concen: 10.519 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042775.D
 Acq: 29 Jul 2025 10:03

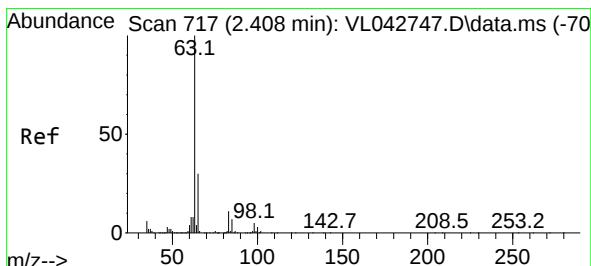
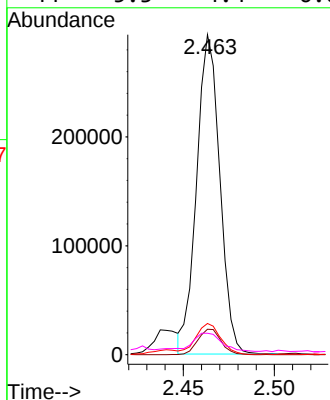
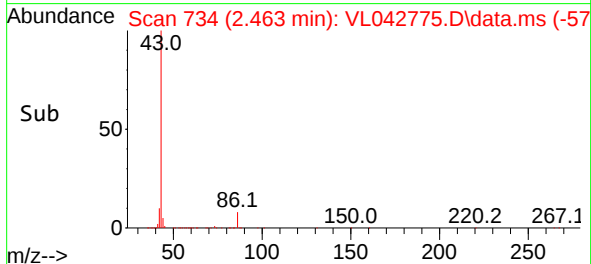
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01



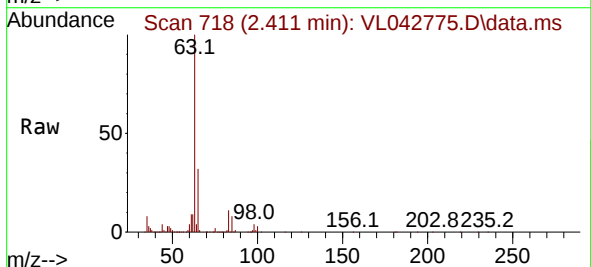
Tgt Ion: 43 Resp: 260137
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.1 9.1
 42 9.6 7.8 11.8
 44 5.3 4.4 6.6

Manual Integrations
 APPROVED

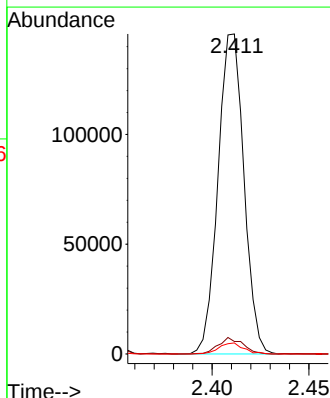
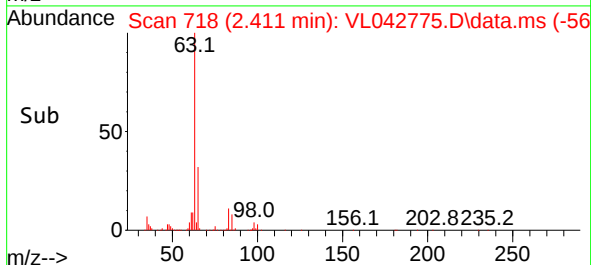
Reviewed By :Semsettin Yesilyurt 07/30/2025
 Supervised By :Mahesh Dadoda 07/30/2025

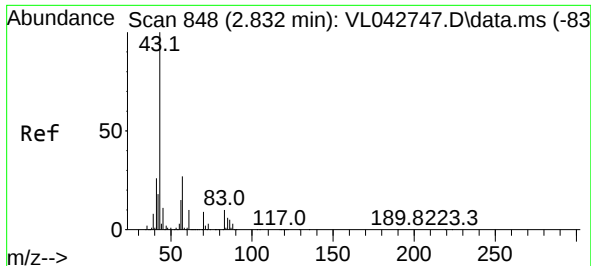


#24
 1,1-Dichloroethane
 Concen: 8.888 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042775.D
 Acq: 29 Jul 2025 10:03



Tgt Ion: 63 Resp: 135661
 Ion Ratio Lower Upper
 63 100
 98 3.9 2.5 7.4
 100 3.4 1.6 4.8





#25

Ethyl Acetate

Concen: 10.154 ppbv

RT: 2.839 min Scan# 848

Delta R.T. 0.006 min

Lab File: VL042775.D

Acq: 29 Jul 2025 10:03

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

Tgt Ion: 43 Resp: 458470

Ion Ratio Lower Upper

43 100

45 9.8 7.8 11.6

61 8.8 6.7 10.1

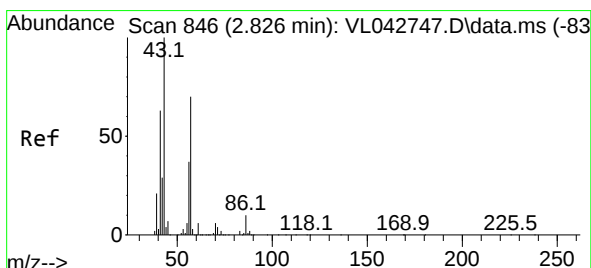
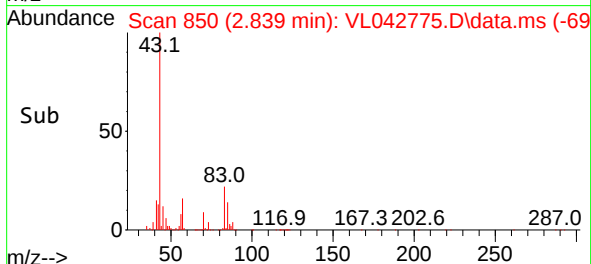
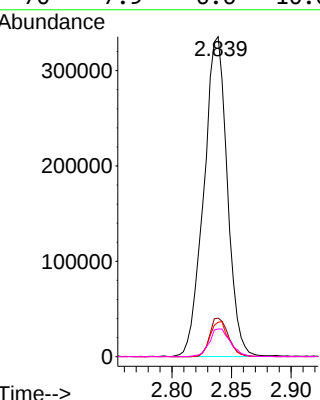
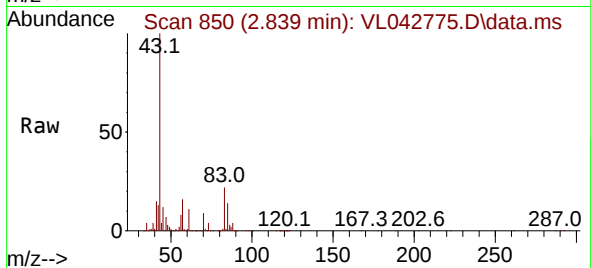
70 7.9 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/30/2025

Supervised By :Mahesh Dadoda 07/30/2025



#26

Hexane

Concen: 9.839 ppbv

RT: 2.829 min Scan# 847

Delta R.T. 0.003 min

Lab File: VL042775.D

Acq: 29 Jul 2025 10:03

Tgt Ion: 57 Resp: 194868

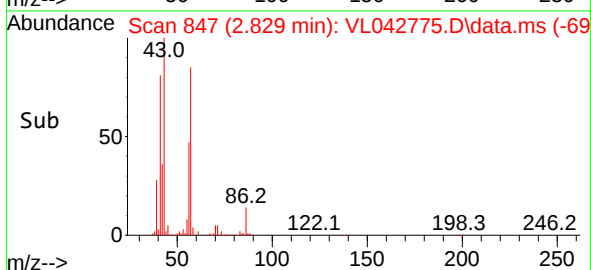
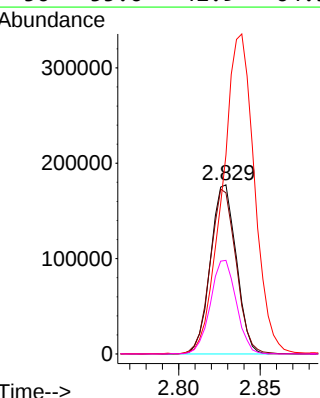
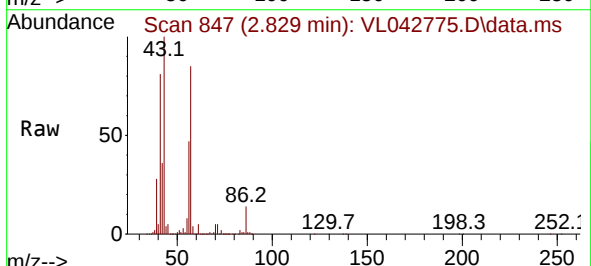
Ion Ratio Lower Upper

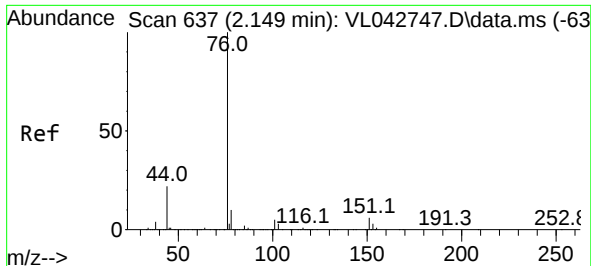
57 100

41 98.5 75.4 113.2

43 235.8 185.0 277.6

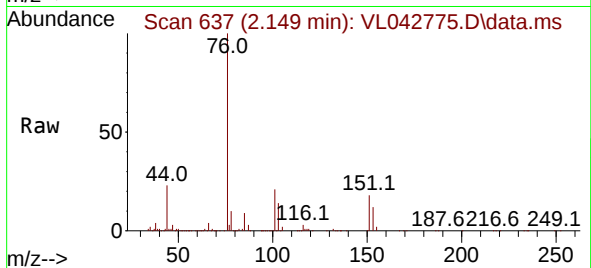
56 55.6 42.9 64.3





#27
Carbon Disulfide
Concen: 9.668 ppbv
RT: 2.149 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

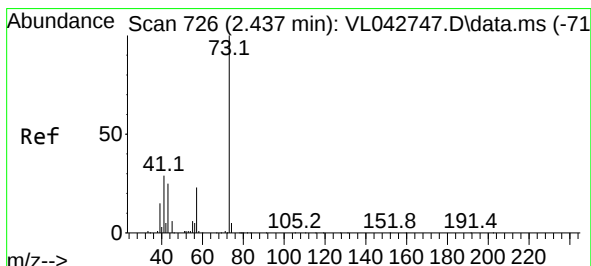
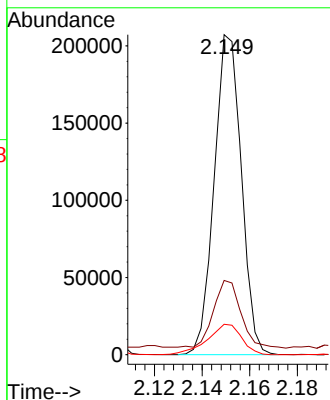
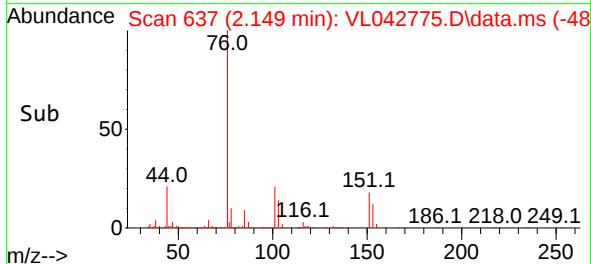
Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01



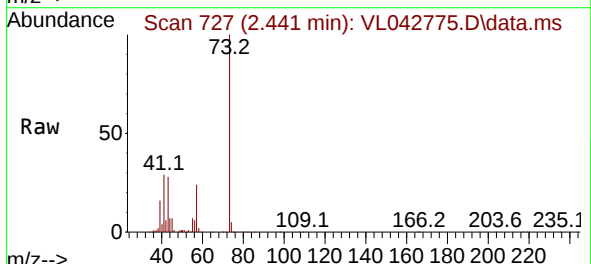
Tgt Ion: 76 Resp: 16393
Ion Ratio Lower Upper
76 100
44 26.0 19.3 28.9
78 12.0 9.9 14.9

Manual Integrations
APPROVED

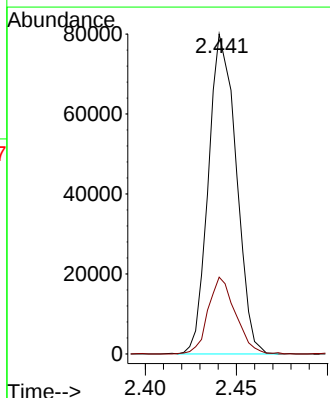
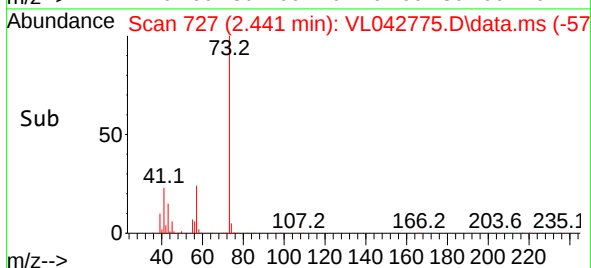
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025

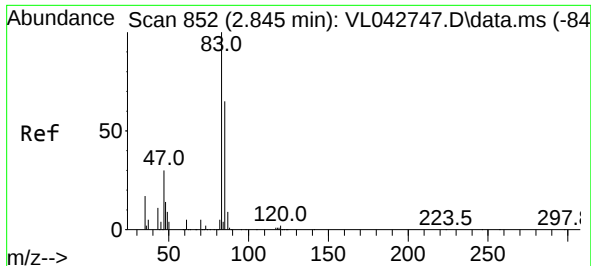


#28
Methyl tert-Butyl Ether
Concen: 9.100 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03



Tgt Ion: 73 Resp: 85147
Ion Ratio Lower Upper
73 100
57 23.6 19.8 29.8





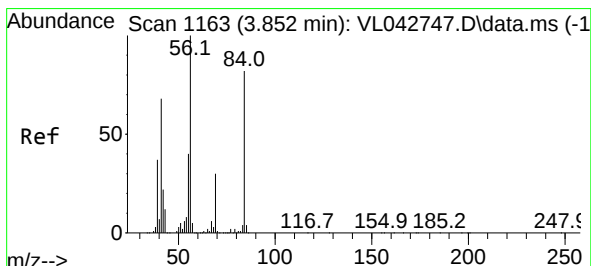
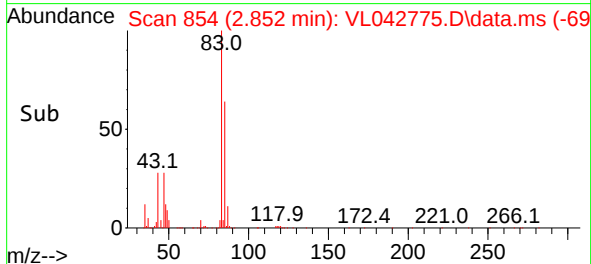
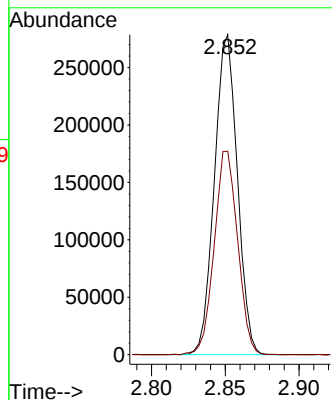
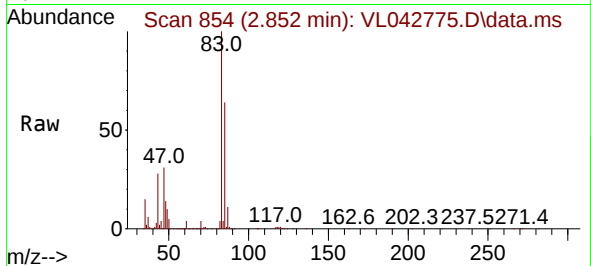
#29
Chloroform
Concen: 9.872 ppbv
RT: 2.852 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01

Tgt Ion: 83 Resp: 302152
Ion Ratio Lower Upper
83 100
85 63.6 52.2 78.2

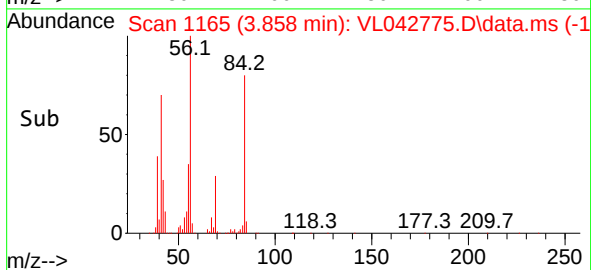
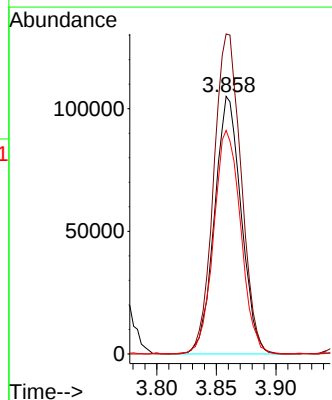
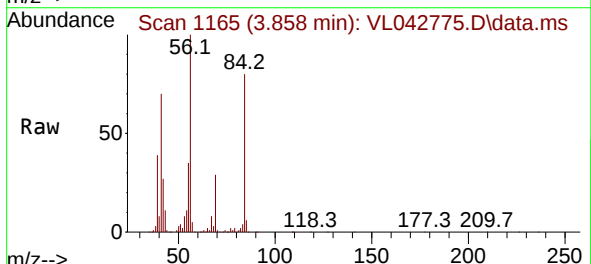
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#30
Cyclohexane
Concen: 9.722 ppbv
RT: 3.858 min Scan# 1165
Delta R.T. 0.006 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

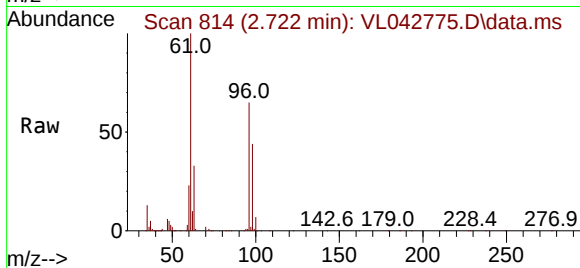
Tgt Ion: 84 Resp: 163305
Ion Ratio Lower Upper
84 100
56 127.5 97.5 146.3
41 88.4 67.2 100.8





#31
 cis-1,2-Dichloroethene
 Concen: 9.591 ppbv
 RT: 2.722 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL042775.D
 Acq: 29 Jul 2025 10:03

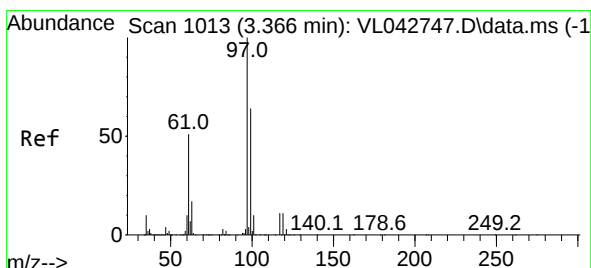
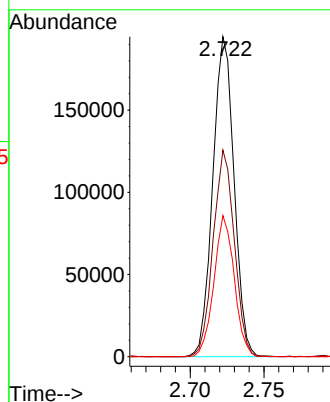
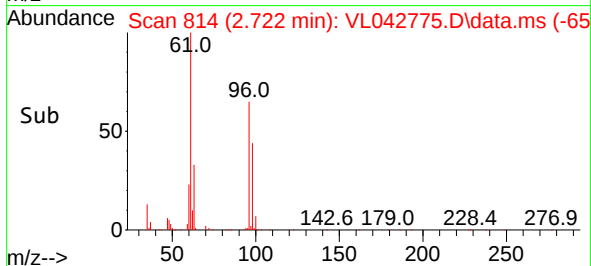
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01



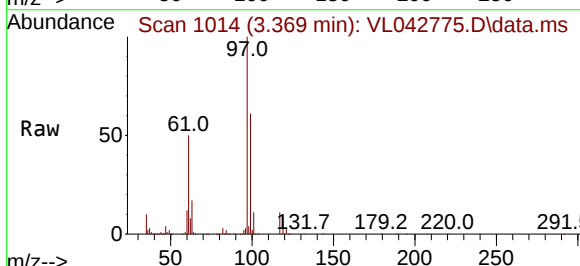
Tgt Ion: 61 Resp: 19520
 Ion Ratio Lower Upper
 61 100
 96 64.6 53.5 80.3
 98 44.1 33.6 50.4

Manual Integrations
 APPROVED

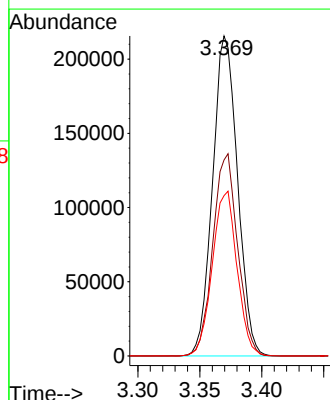
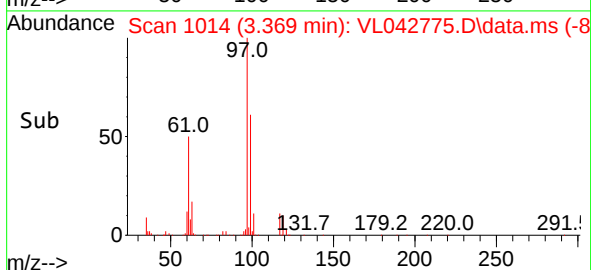
Reviewed By :Semsettin Yesilyurt 07/30/2025
 Supervised By :Mahesh Dadoda 07/30/2025

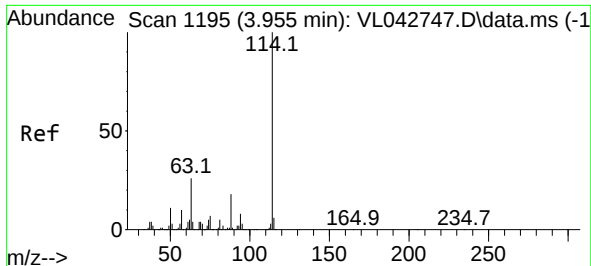


#32
 1,1,1-Trichloroethane
 Concen: 9.495 ppbv
 RT: 3.369 min Scan# 1014
 Delta R.T. 0.003 min
 Lab File: VL042775.D
 Acq: 29 Jul 2025 10:03



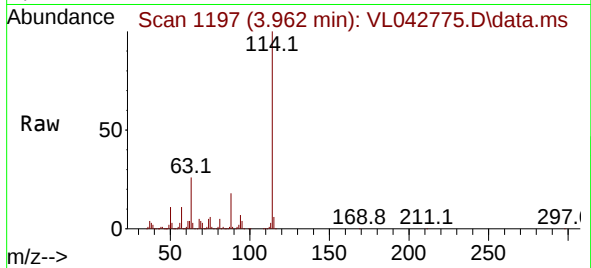
Tgt Ion: 97 Resp: 302708
 Ion Ratio Lower Upper
 97 100
 99 62.8 51.0 76.6
 61 51.1 40.9 61.3





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

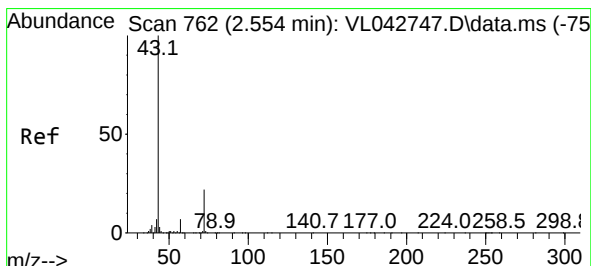
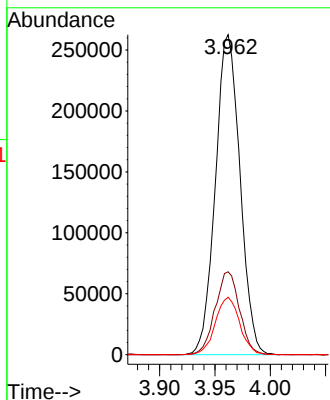
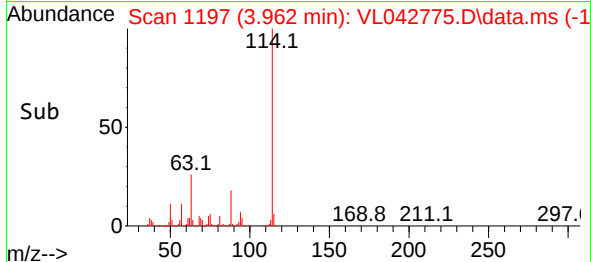
Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01



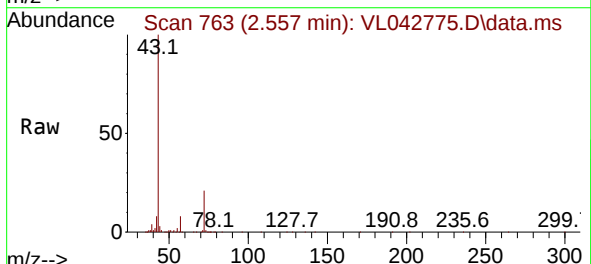
Tgt Ion:114 Resp: 406248
Ion Ratio Lower Upper
114 100
63 25.7 20.5 30.7
88 17.7 14.0 21.0

Manual Integrations
APPROVED

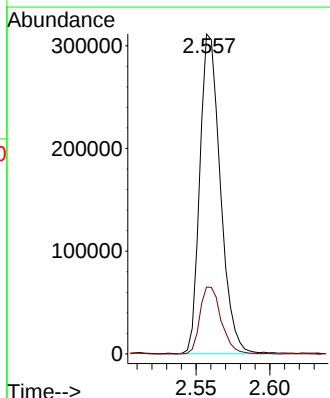
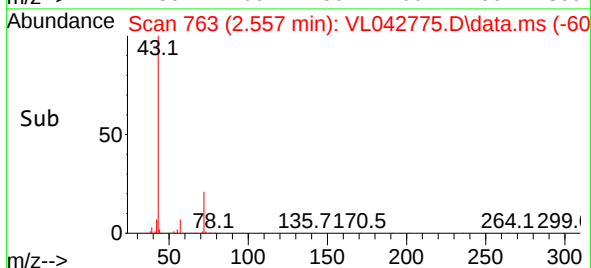
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025

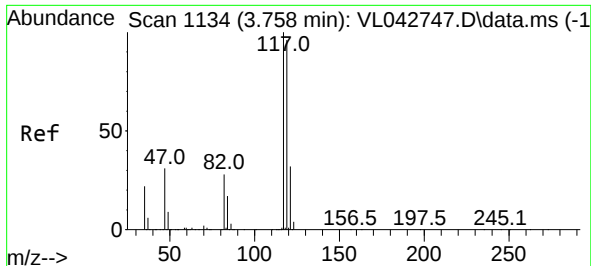


#34
2-Butanone
Concen: 10.464 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03



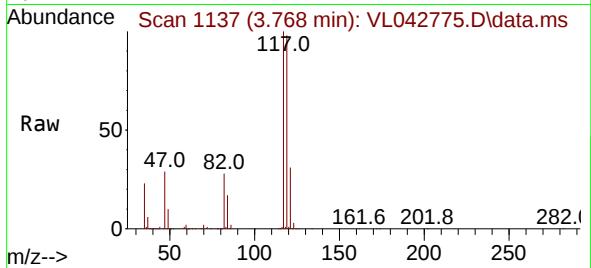
Tgt Ion: 43 Resp: 301130
Ion Ratio Lower Upper
43 100
72 21.7 17.4 26.0





#35
Carbon Tetrachloride
Concen: 10.487 ppbv
RT: 3.768 min Scan# 1134
Delta R.T. 0.010 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

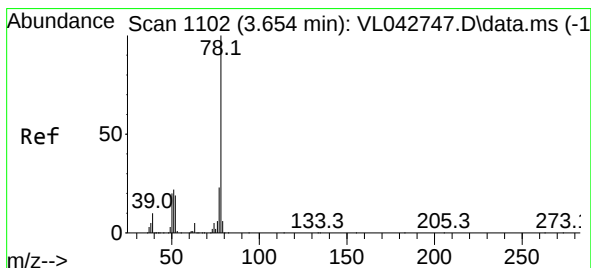
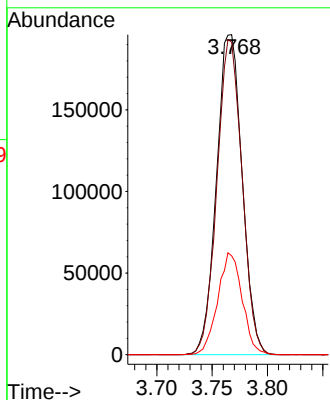
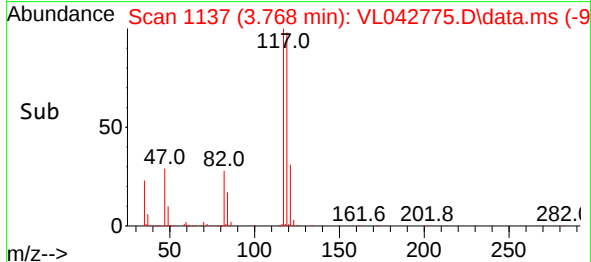
Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01



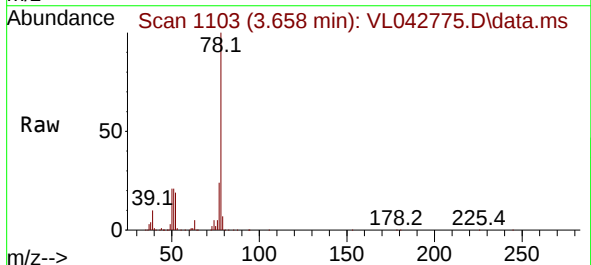
Tgt Ion: 117 Resp: 316452
Ion Ratio Lower Upper
117 100
119 97.7 77.1 115.7
121 30.9 25.5 38.3

Manual Integrations
APPROVED

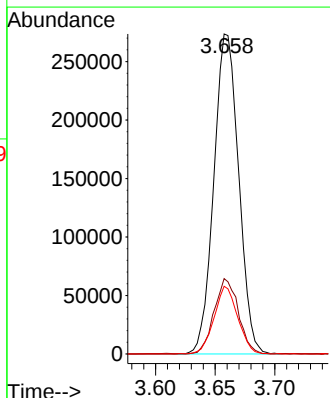
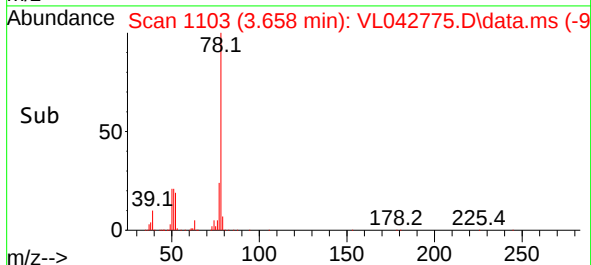
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025

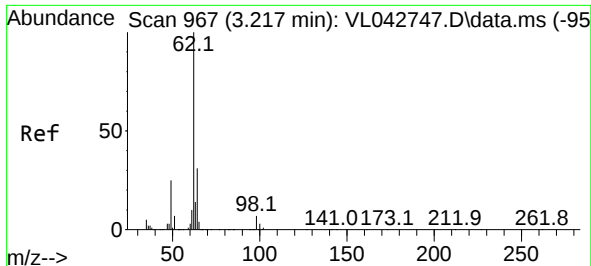


#36
Benzene
Concen: 10.299 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.003 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03



Tgt Ion: 78 Resp: 396529
Ion Ratio Lower Upper
78 100
77 23.5 18.5 27.7
50 21.0 16.2 24.2





#37

1,2-Dichloroethane

Concen: 10.340 ppbv

RT: 3.221 min Scan# 967

Delta R.T. 0.003 min

Lab File: VL042775.D

Acq: 29 Jul 2025 10:03

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

Tgt Ion: 62 Resp: 239820

Ion Ratio Lower Upper

62 100

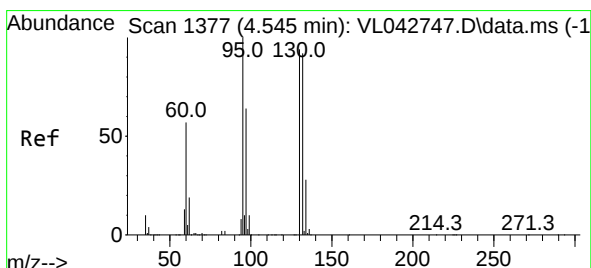
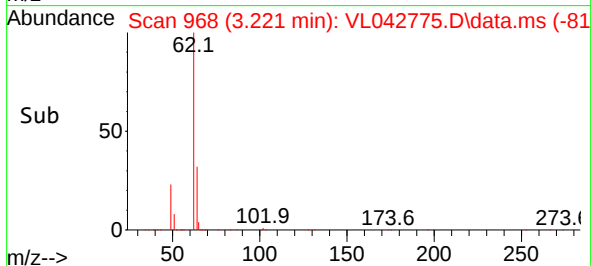
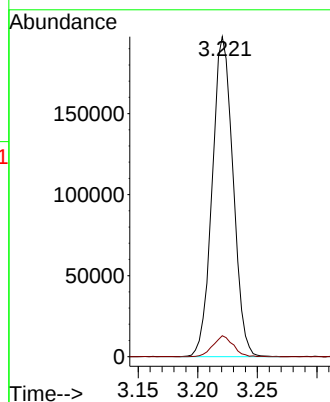
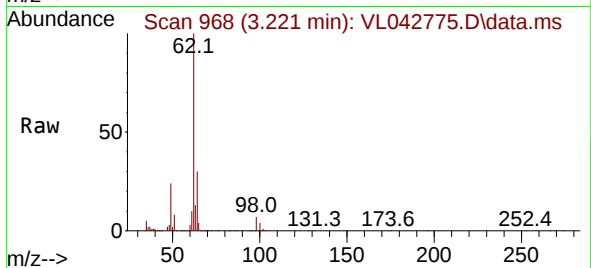
98 6.4 5.2 7.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/30/2025

Supervised By :Mahesh Dadoda 07/30/2025



#38

Trichloroethene

Concen: 9.680 ppbv

RT: 4.551 min Scan# 1379

Delta R.T. 0.006 min

Lab File: VL042775.D

Acq: 29 Jul 2025 10:03

Tgt Ion:130 Resp: 179048

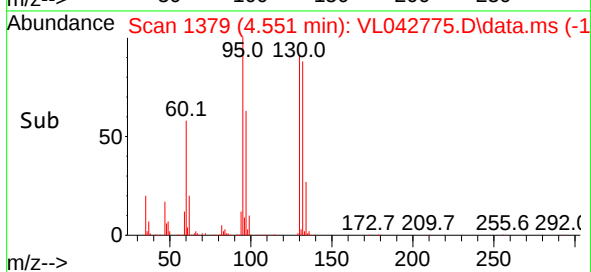
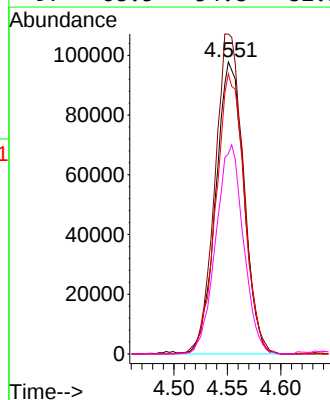
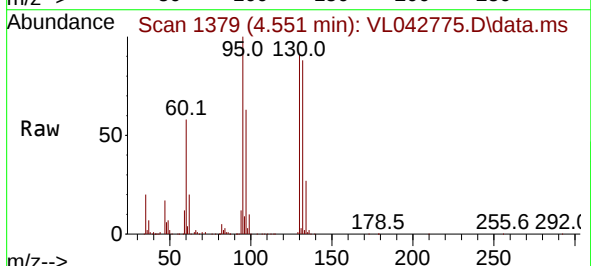
Ion Ratio Lower Upper

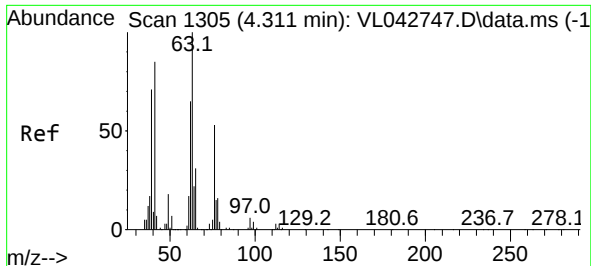
130 100

95 109.5 85.4 128.2

132 95.9 78.2 117.2

97 68.5 54.8 82.2





#39

1,2-Dichloropropane

Concen: 10.345 ppbv

RT: 4.315 min Scan# 1305

Delta R.T. 0.003 min

Lab File: VL042775.D

Acq: 29 Jul 2025 10:03

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

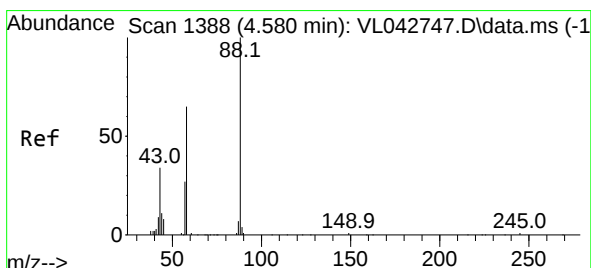
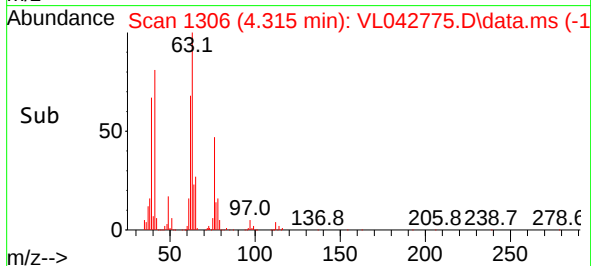
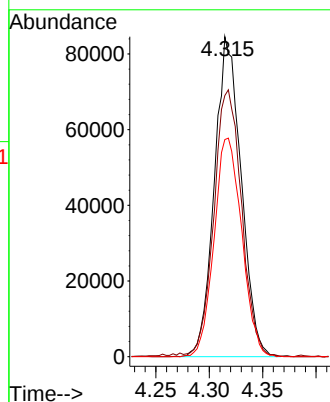
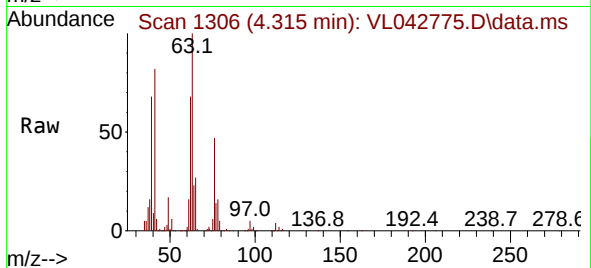
Tgt Ion: 63 Resp: 147019

Ion	Ratio	Lower	Upper
63	100		
41	81.5	68.2	102.4
62	67.9	52.0	78.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#40

1,4-Dioxane

Concen: 8.897 ppbv

RT: 4.590 min Scan# 1391

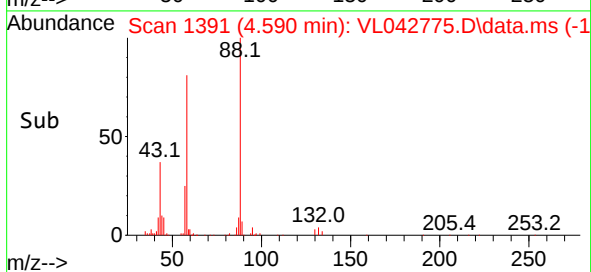
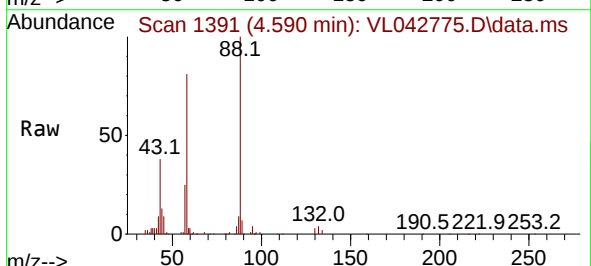
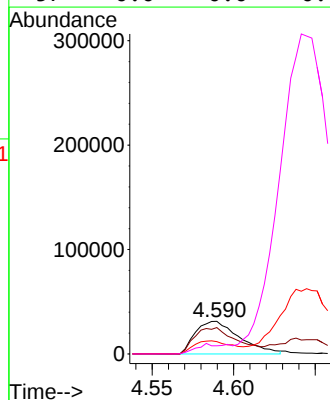
Delta R.T. 0.010 min

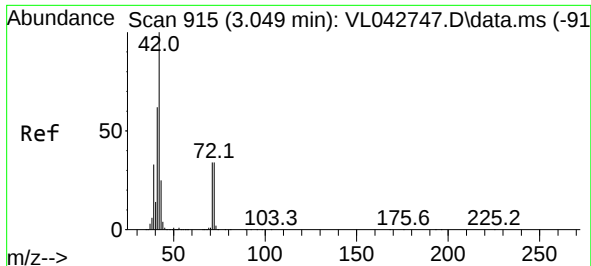
Lab File: VL042775.D

Acq: 29 Jul 2025 10:03

Tgt Ion: 88 Resp: 58940

Ion	Ratio	Lower	Upper
88	100		
58	81.6	58.8	88.2
43	34.0	28.9	43.3
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 11.039 ppbv

RT: 3.056 min Scan# 915

Delta R.T. 0.006 min

Lab File: VL042775.D

Acq: 29 Jul 2025 10:03

Instrument :

MSVOA_L

ClientSampleId :

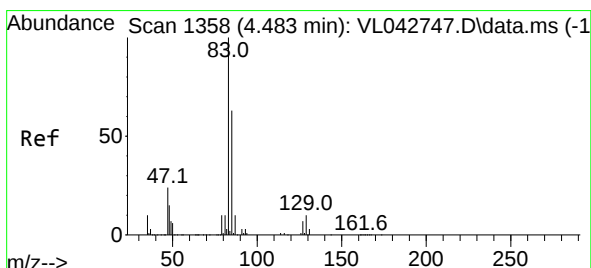
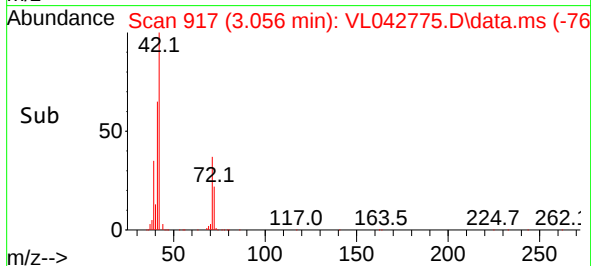
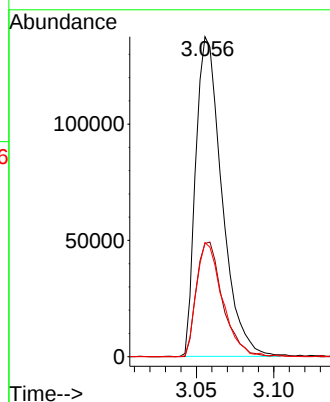
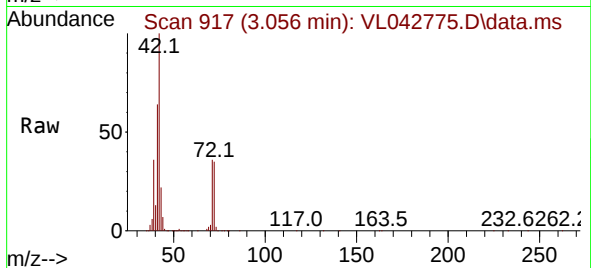
VL0729ABS01

Tgt Ion:	42	Resp:	16164
Ion Ratio	Lower	Upper	
42	100		
72	36.2	30.9	46.3
71	35.5	28.6	43.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#42

Bromodichloromethane

Concen: 10.966 ppbv

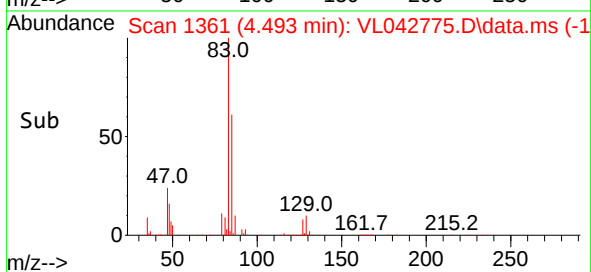
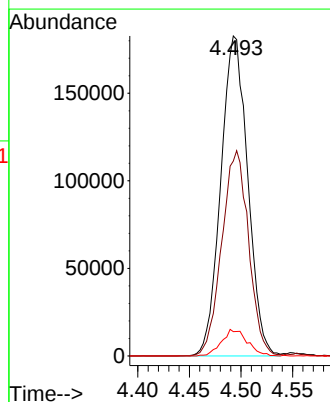
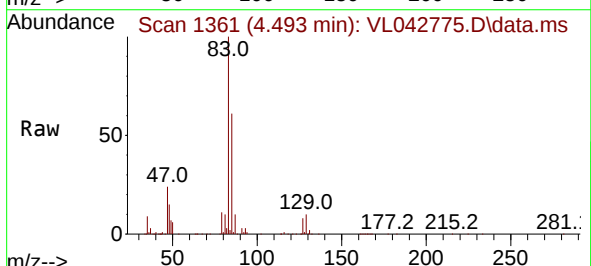
RT: 4.493 min Scan# 1361

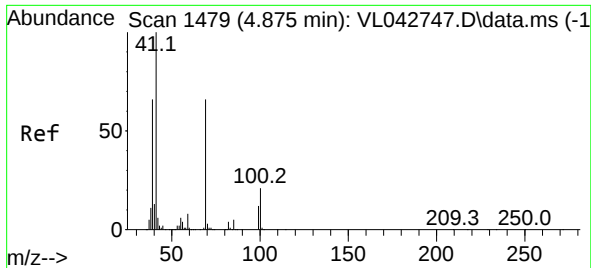
Delta R.T. 0.010 min

Lab File: VL042775.D

Acq: 29 Jul 2025 10:03

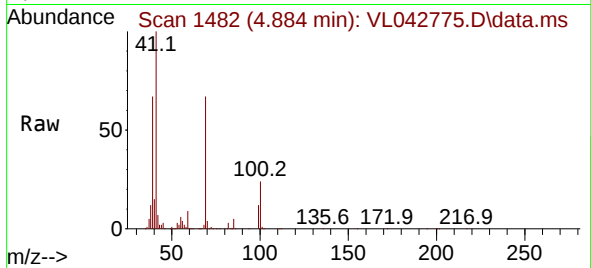
Tgt Ion:	83	Resp:	331225
Ion Ratio	Lower	Upper	
83	100		
85	60.9	50.2	75.4
127	7.6	5.4	8.2





#43
Methyl Methacrylate
Concen: 11.056 ppbv
RT: 4.884 min Scan# 1479
Delta R.T. 0.010 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

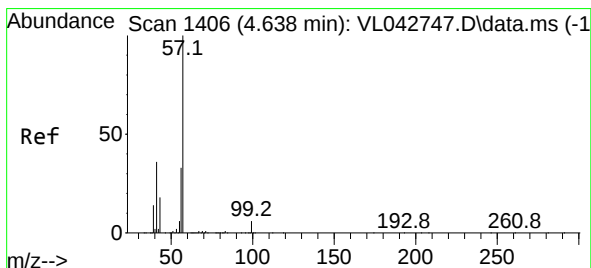
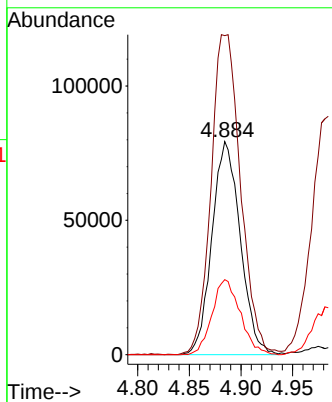
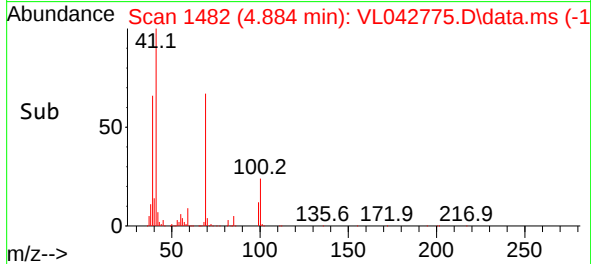
Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01



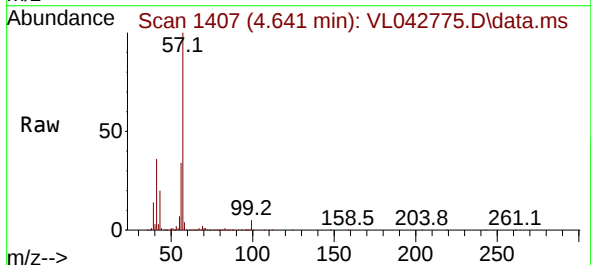
Tgt Ion: 69 Resp: 151290
Ion Ratio Lower Upper
69 100
41 157.0 125.7 188.5
100 35.1 28.6 42.8

Manual Integrations
APPROVED

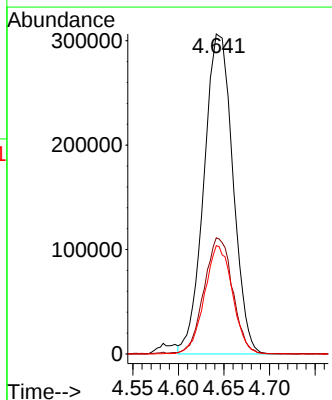
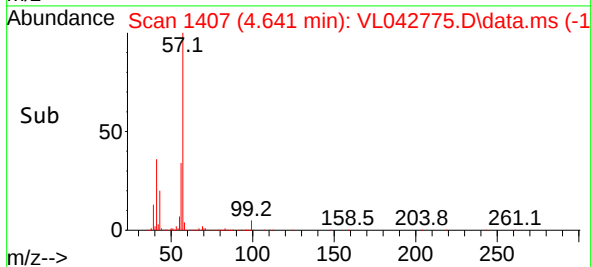
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025

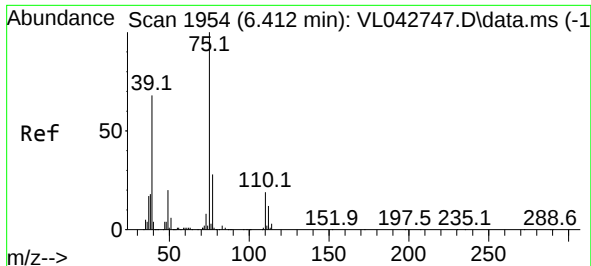


#44
2,2,4-Trimethylpentane
Concen: 10.798 ppbv
RT: 4.641 min Scan# 1407
Delta R.T. 0.003 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03



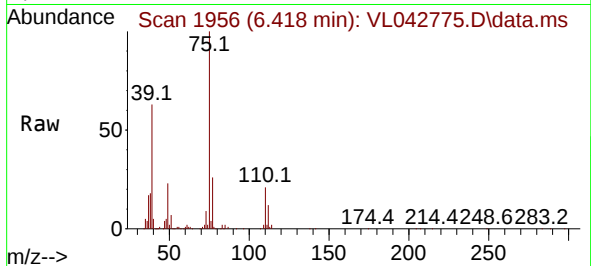
Tgt Ion: 57 Resp: 677642
Ion Ratio Lower Upper
57 100
41 36.3 28.3 42.5
56 32.8 25.8 38.6





#45
 t-1,3-Dichloropropene
 Concen: 11.070 ppbv
 RT: 6.418 min Scan# 1954
 Delta R.T. 0.006 min
 Lab File: VL042775.D
 Acq: 29 Jul 2025 10:03

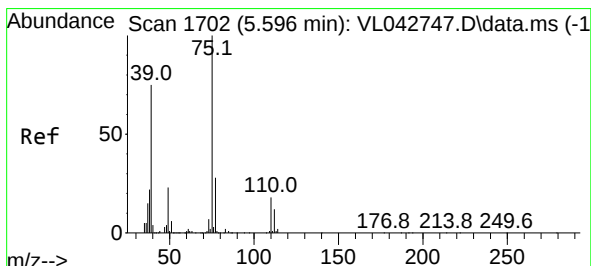
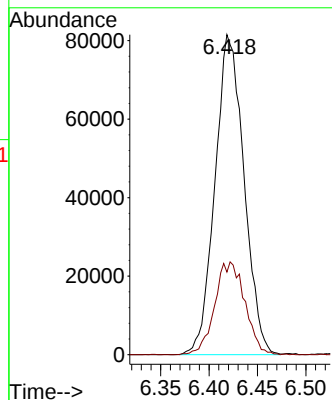
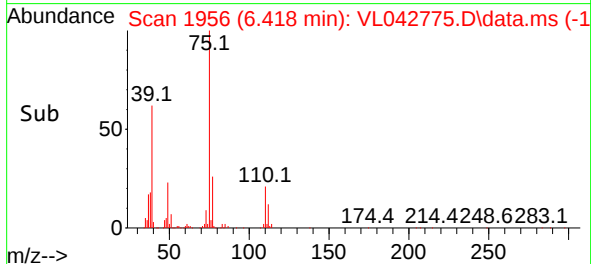
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01



Tgt Ion: 75 Resp: 169889
 Ion Ratio Lower Upper
 75 100
 77 25.8 22.4 33.6

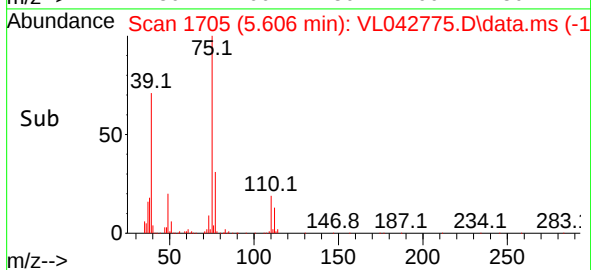
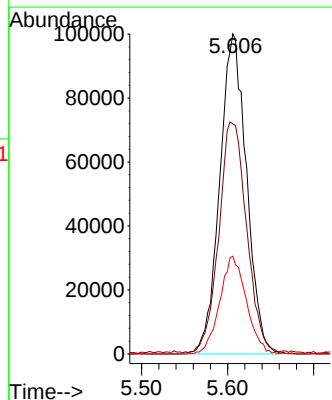
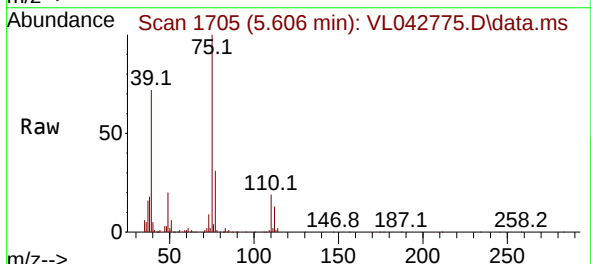
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/30/2025
 Supervised By :Mahesh Dadoda 07/30/2025



#46
 cis-1,3-Dichloropropene
 Concen: 11.127 ppbv
 RT: 5.606 min Scan# 1705
 Delta R.T. 0.010 min
 Lab File: VL042775.D
 Acq: 29 Jul 2025 10:03

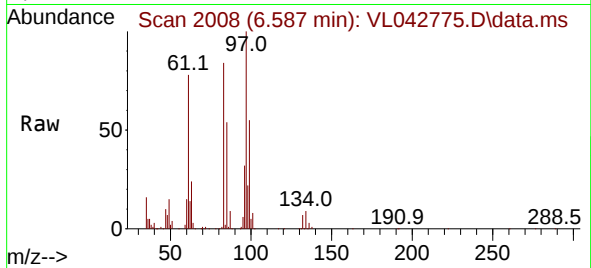
Tgt Ion: 75 Resp: 216386
 Ion Ratio Lower Upper
 75 100
 39 71.2 60.2 90.2
 77 30.5 22.6 34.0





#47
1,1,2-Trichloroethane
Concen: 10.431 ppbv
RT: 6.587 min Scan# 2006
Delta R.T. 0.006 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

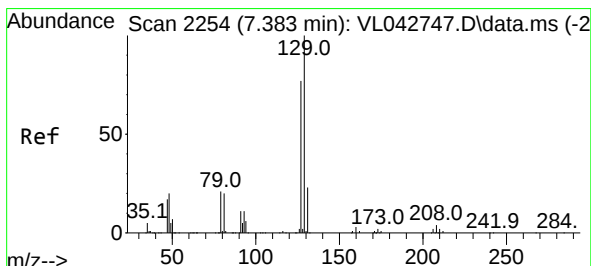
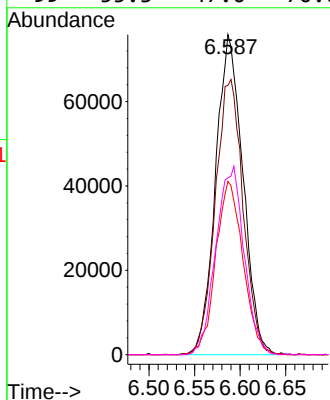
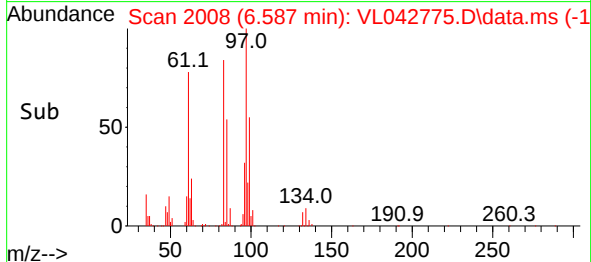
Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01



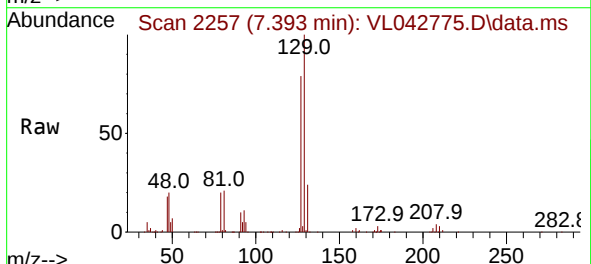
Tgt Ion: 97 Resp: 158024
Ion Ratio Lower Upper
97 100
83 84.2 71.1 106.7
85 54.1 43.0 64.4
99 55.3 47.0 70.6

Manual Integrations
APPROVED

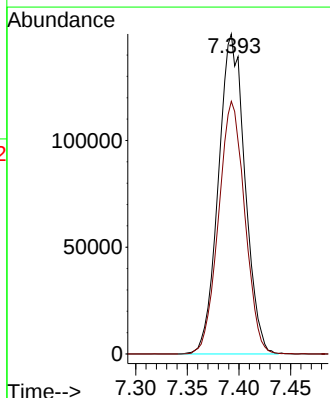
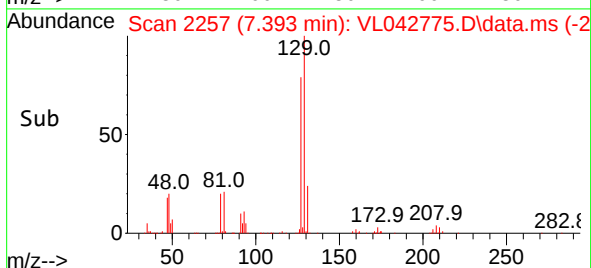
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025

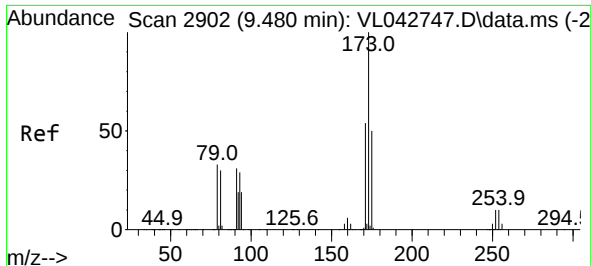


#48
Dibromochloromethane
Concen: 11.126 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. 0.010 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03



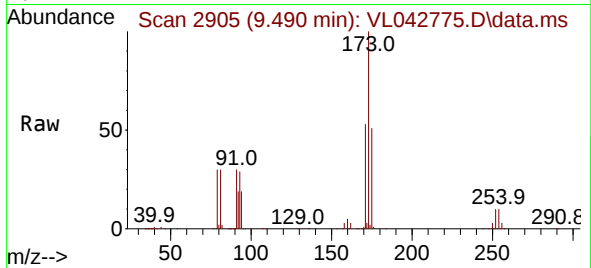
Tgt Ion:129 Resp: 267594
Ion Ratio Lower Upper
129 100
127 78.2 38.7 116.1





#49
Bromoform
Concen: 11.279 ppbv
RT: 9.490 min Scan# 2902
Delta R.T. 0.010 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

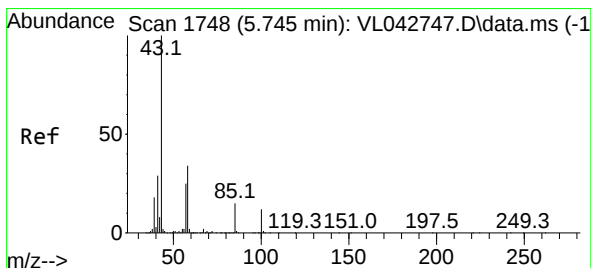
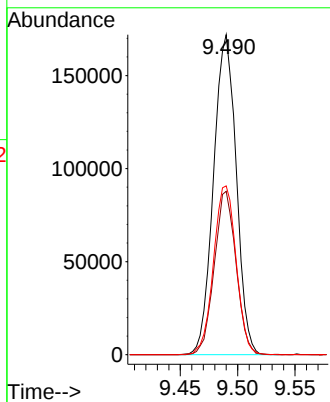
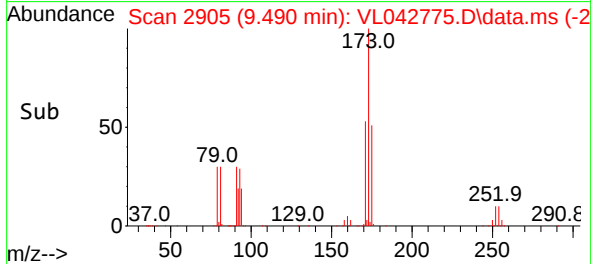
Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01



Tgt Ion:173 Resp: 23653
Ion Ratio Lower Upper
173 100
175 49.0 38.4 57.6
171 52.7 40.9 61.3

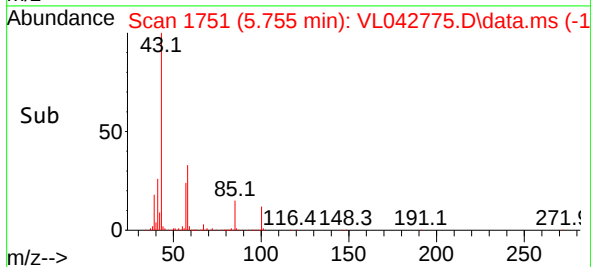
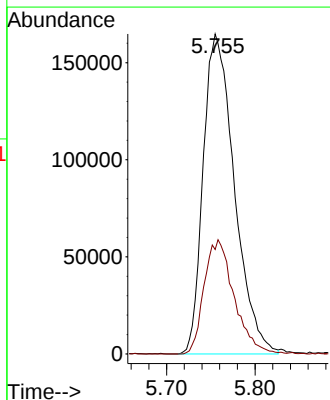
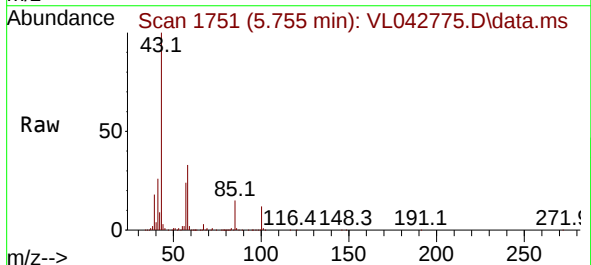
Manual Integrations
APPROVED

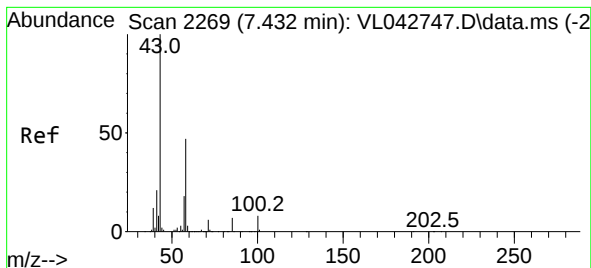
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#50
4-Methyl-2-Pentanone
Concen: 10.895 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. 0.010 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

Tgt Ion: 43 Resp: 403879
Ion Ratio Lower Upper
43 100
58 34.3 27.8 41.8





#51

2-Hexanone

Concen: 11.588 ppbv

RT: 7.441 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL042775.D

Acq: 29 Jul 2025 10:03

Instrument :

MSVOA_L

ClientSampleId :

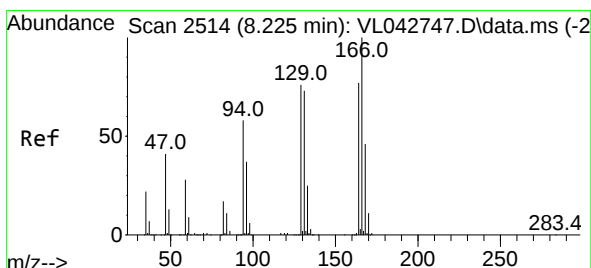
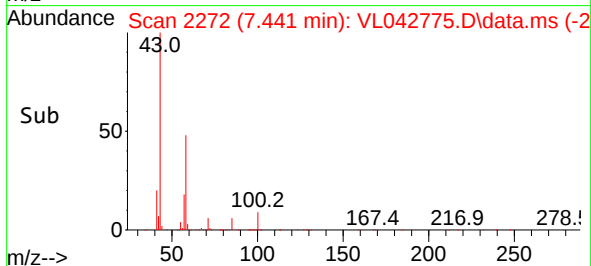
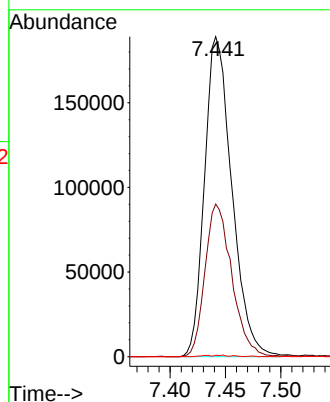
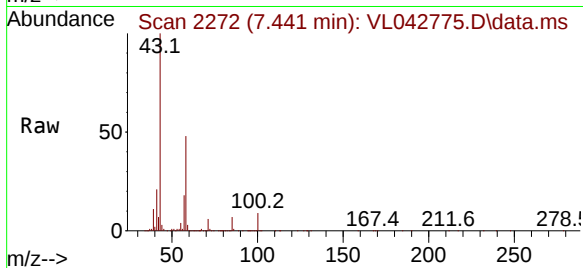
VL0729ABS01

Tgt Ion: 43 Resp: 324598
 Ion Ratio Lower Upper
 43 100
 58 47.0 38.0 57.0
 98 0.5 0.2 0.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/30/2025
 Supervised By :Mahesh Dadoda 07/30/2025



#52

Tetrachloroethene

Concen: 9.254 ppbv

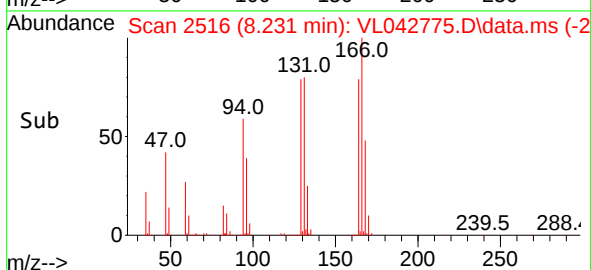
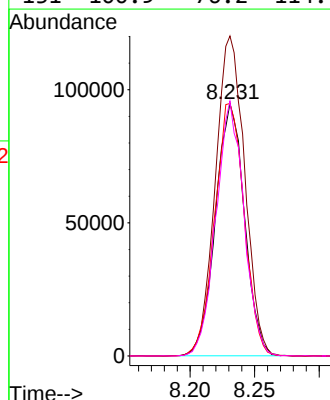
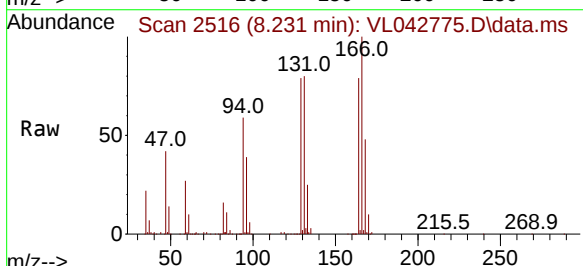
RT: 8.231 min Scan# 2516

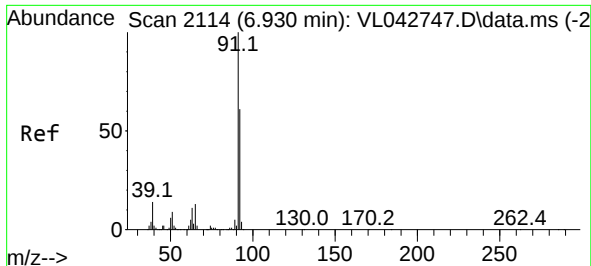
Delta R.T. 0.006 min

Lab File: VL042775.D

Acq: 29 Jul 2025 10:03

Tgt Ion:164 Resp: 147681
 Ion Ratio Lower Upper
 164 100
 166 126.7 104.0 156.0
 129 99.9 79.2 118.8
 131 100.9 76.2 114.4





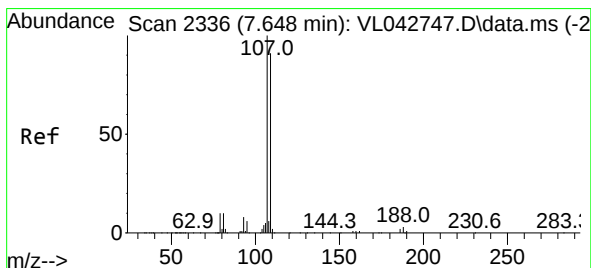
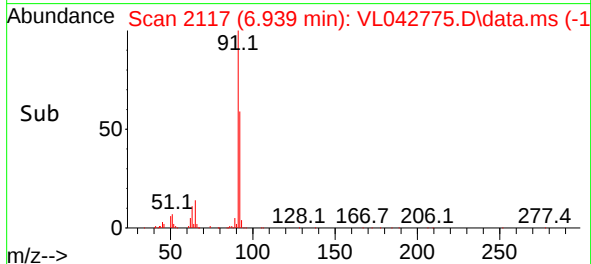
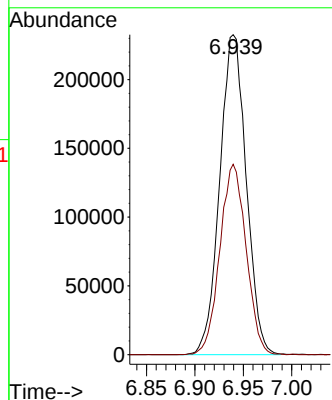
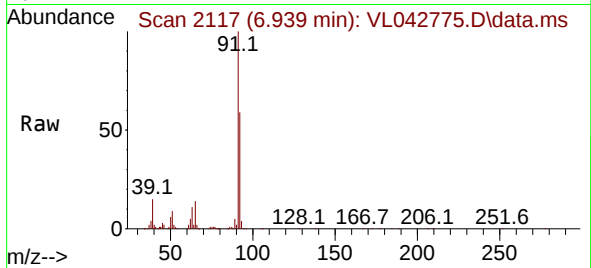
#53
Toluene
Concen: 10.714 ppbv
RT: 6.939 min Scan# 2114
Delta R.T. 0.010 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01

Tgt Ion: 91 Resp: 442975
Ion Ratio Lower Upper
91 100
92 59.0 48.0 72.0

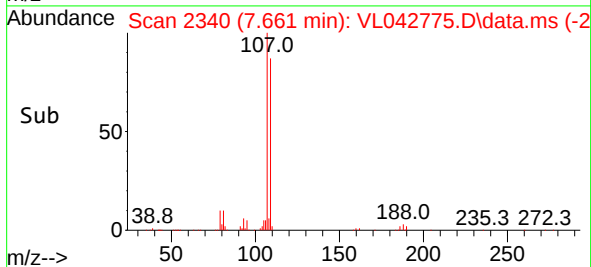
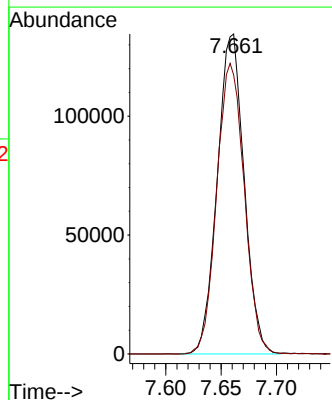
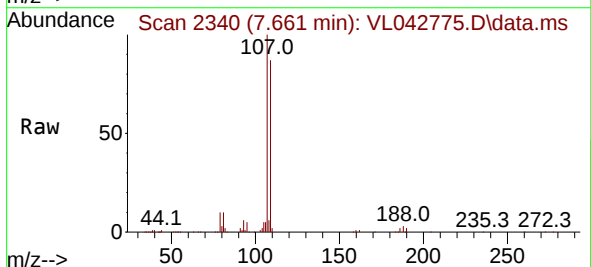
Manual Integrations
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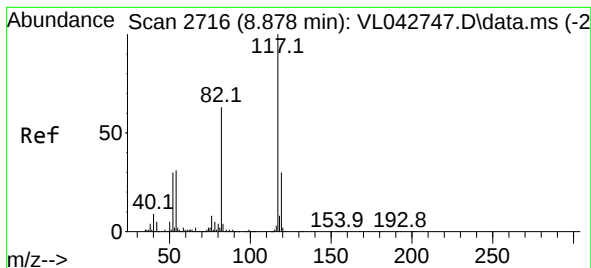
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#54
1,2-Dibromoethane
Concen: 10.608 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.013 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

Tgt Ion:107 Resp: 227055
Ion Ratio Lower Upper
107 100
109 87.2 72.7 109.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. 0.010 min

Lab File: VL042775.D

Acq: 29 Jul 2025 10:03

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

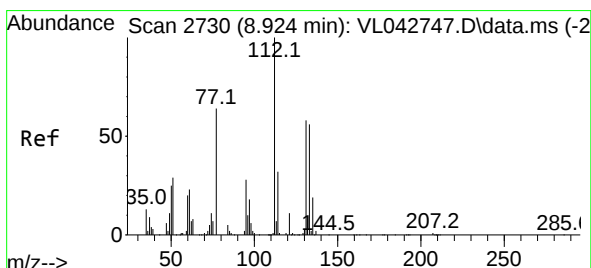
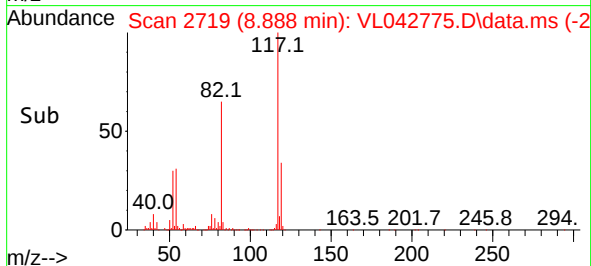
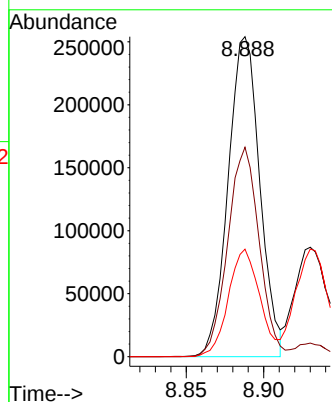
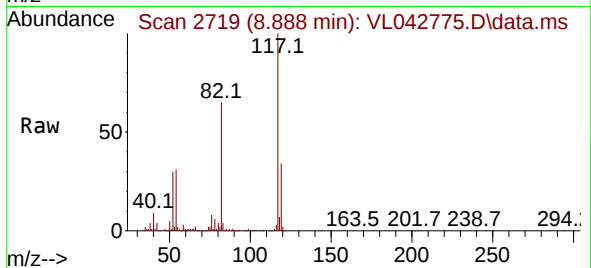
Tgt Ion:117 Resp: 36218

Ion	Ratio	Lower	Upper
117	100		
82	69.2	53.3	79.9
119	33.0	25.8	38.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 10.593 ppbv

RT: 8.930 min Scan# 2732

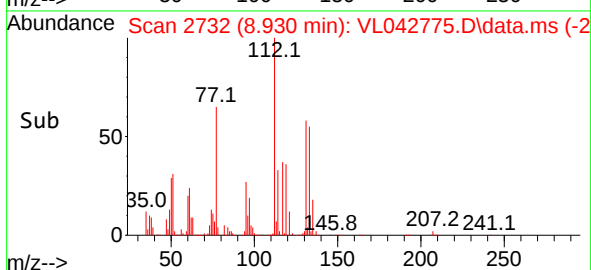
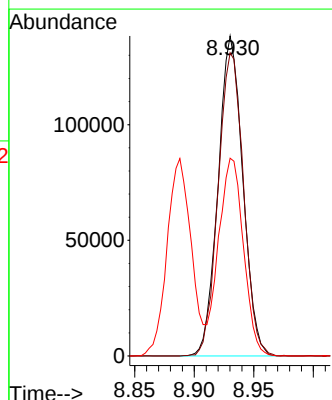
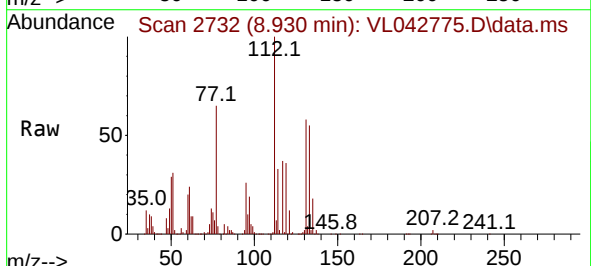
Delta R.T. 0.006 min

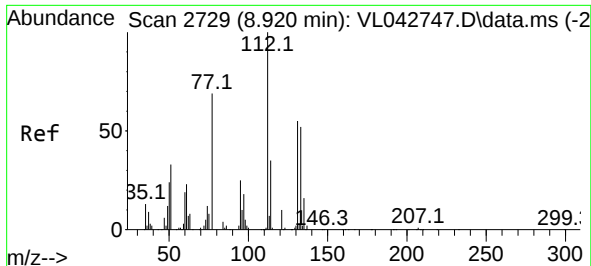
Lab File: VL042775.D

Acq: 29 Jul 2025 10:03

Tgt Ion:131 Resp: 199481

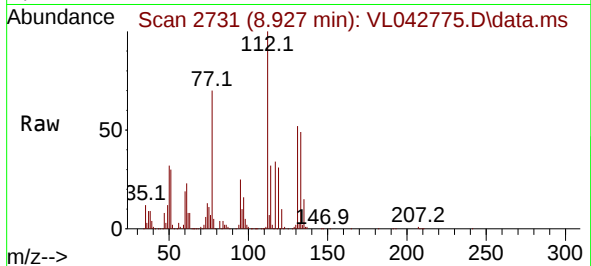
Ion	Ratio	Lower	Upper
131	100		
133	96.8	76.8	115.2
119	62.8	49.7	74.5





#57
Chlorobenzene
Concen: 10.176 ppbv
RT: 8.927 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

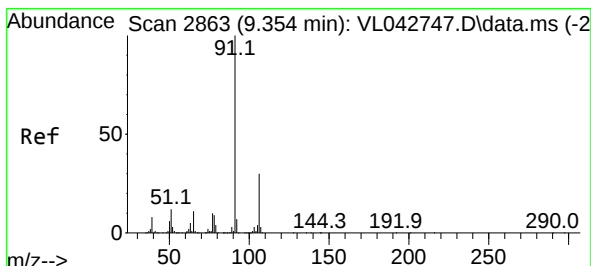
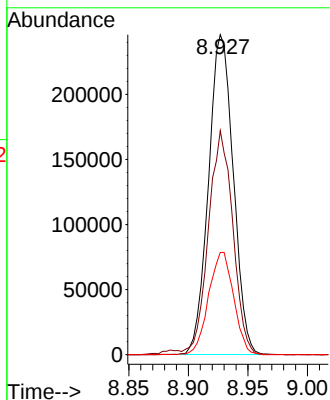
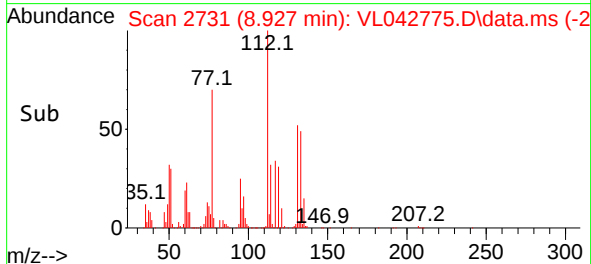
Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01



Tgt Ion:112 Resp: 356684
Ion Ratio Lower Upper
112 100
77 70.0 56.4 84.6
114 32.0 31.2 38.2

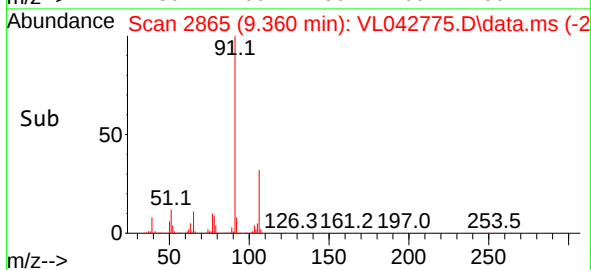
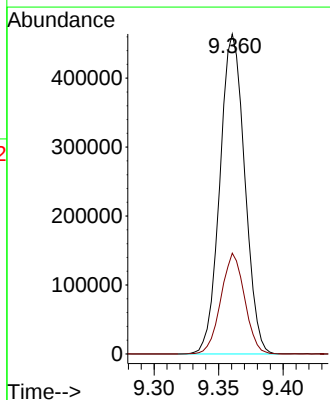
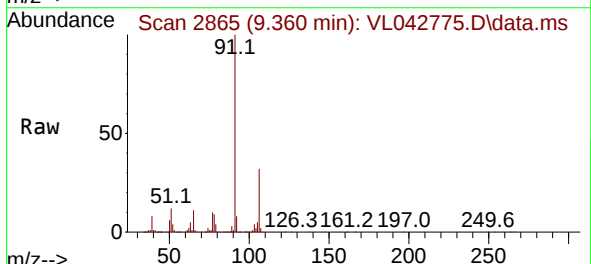
Manual Integrations
APPROVED

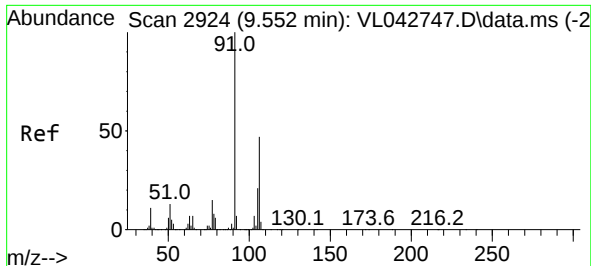
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#58
Ethyl Benzene
Concen: 10.833 ppbv
RT: 9.360 min Scan# 2865
Delta R.T. 0.006 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

Tgt Ion: 91 Resp: 619615
Ion Ratio Lower Upper
91 100
106 31.5 23.8 35.6





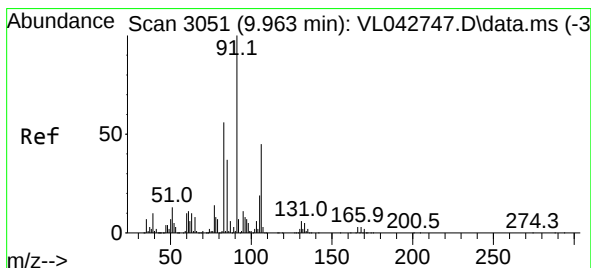
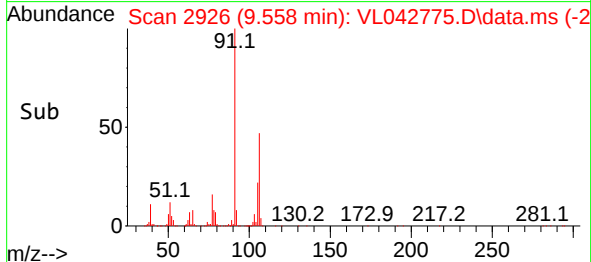
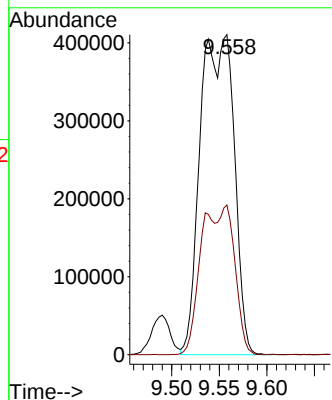
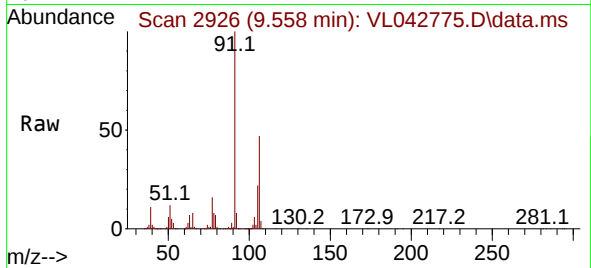
#59
m/p-Xylene
Concen: 22.251 ppbv m
RT: 9.558 min Scan# 2924
Delta R.T. 0.006 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01

Tgt Ion: 91 Resp: 1017108
Ion Ratio Lower Upper
91 100
106 46.2 37.4 56.2

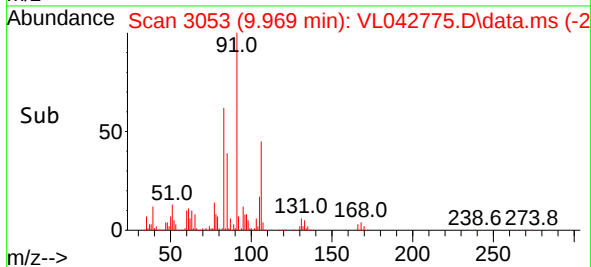
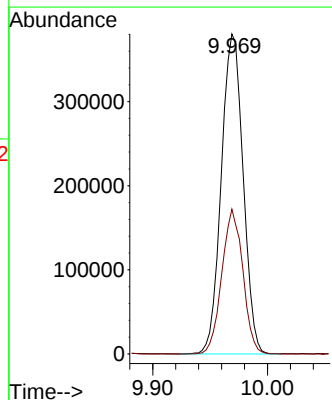
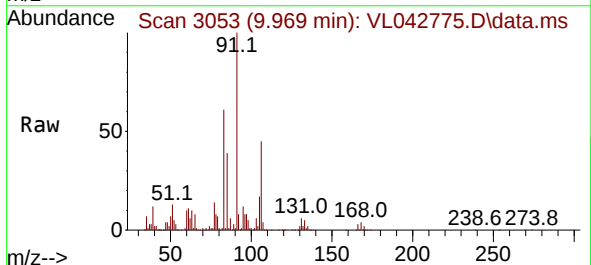
Manual Integrations
APPROVED

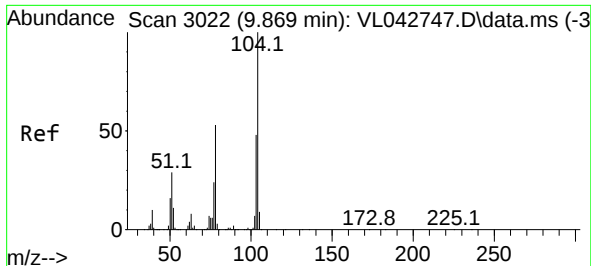
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#60
o-Xylene
Concen: 11.014 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.006 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

Tgt Ion: 91 Resp: 503091
Ion Ratio Lower Upper
91 100
106 43.5 22.0 66.0





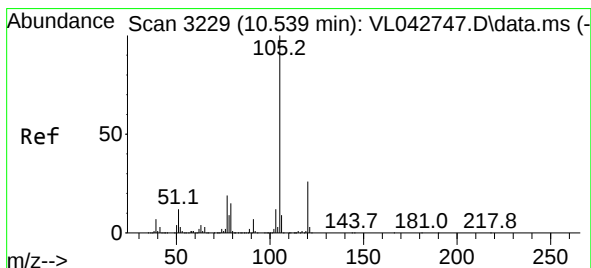
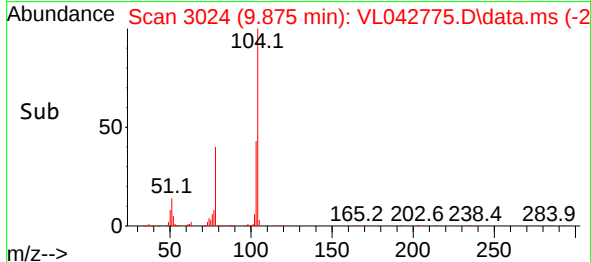
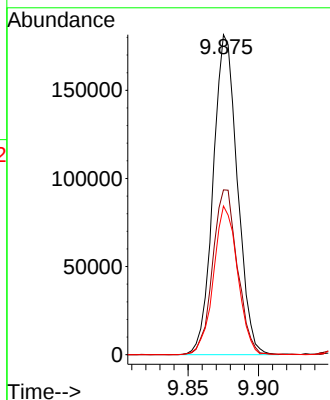
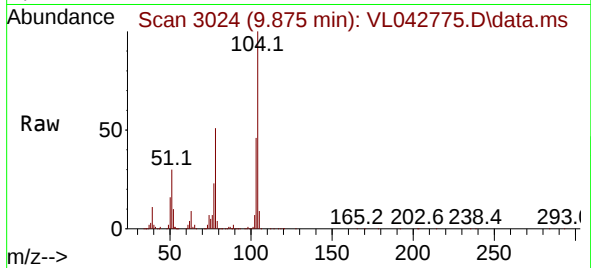
#61
Styrene
Concen: 11.330 ppbv
RT: 9.875 min Scan# 3022
Delta R.T. 0.006 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01

Tgt Ion:104 Resp: 217700
Ion Ratio Lower Upper
104 100
78 52.8 41.5 62.3
103 46.4 37.5 56.3

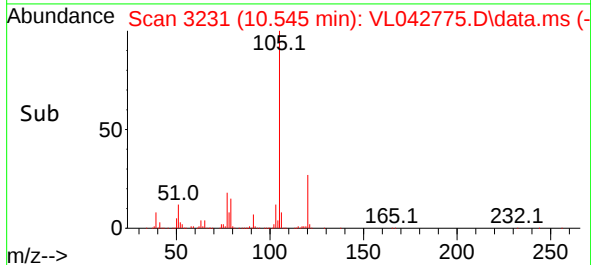
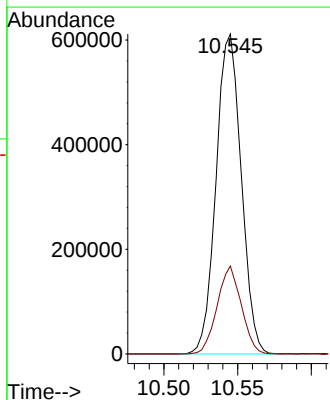
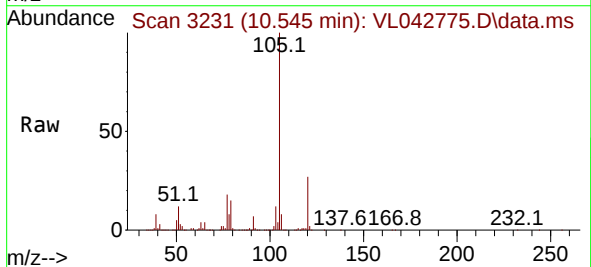
Manual Integrations
APPROVED

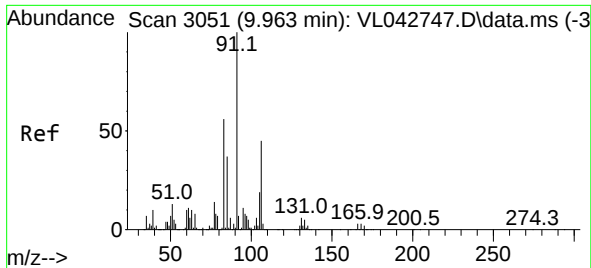
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#62
Isopropylbenzene
Concen: 10.775 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.006 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

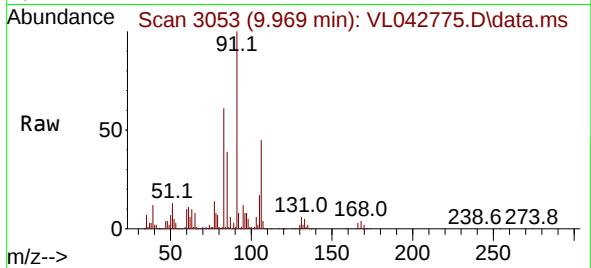
Tgt Ion:105 Resp: 725939
Ion Ratio Lower Upper
105 100
120 26.3 20.5 30.7





#63
1,1,2,2-Tetrachloroethane
Concen: 10.066 ppbv
RT: 9.969 min Scan# 3051
Delta R.T. 0.006 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

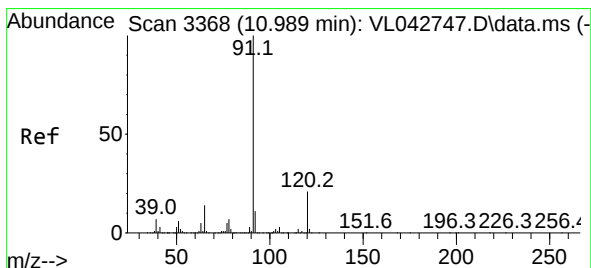
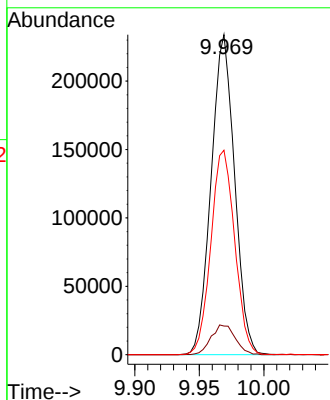
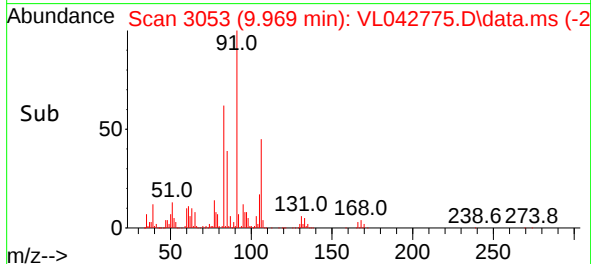
Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01



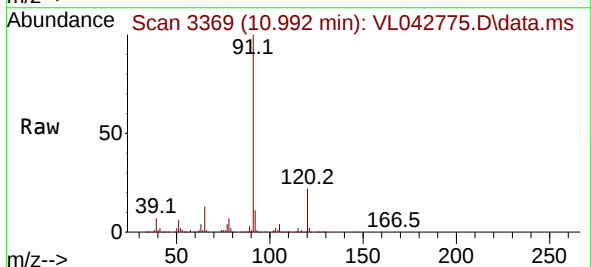
Tgt Ion: 83 Resp: 29518
Ion Ratio Lower Upper
83 100
131 9.6 5.0 15.0
85 65.1 32.6 97.7

Manual Integrations
APPROVED

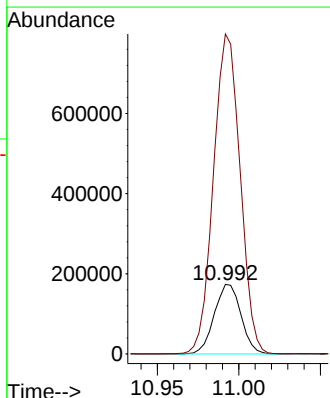
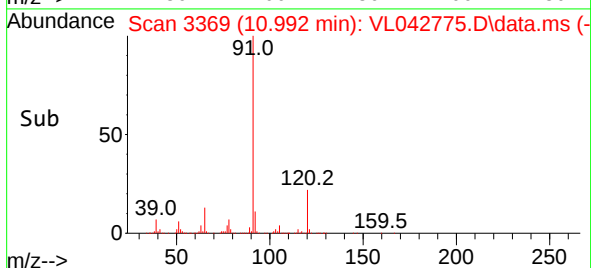
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025

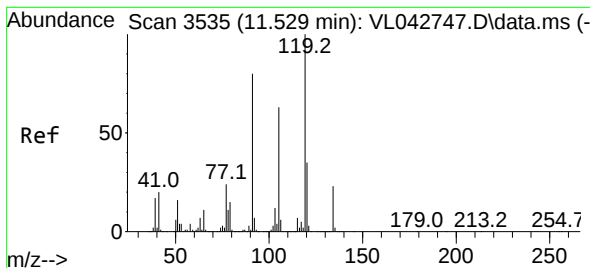


#64
n-propylbenzene
Concen: 11.233 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.003 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03



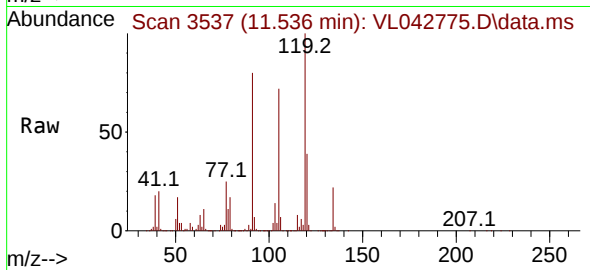
Tgt Ion:120 Resp: 197294
Ion Ratio Lower Upper
120 100
91 460.2 372.7 559.1





#65
tert-Butylbenzene
Concen: 10.869 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.006 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

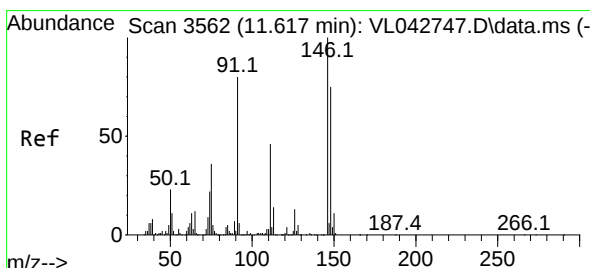
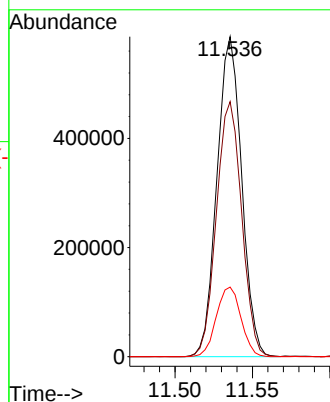
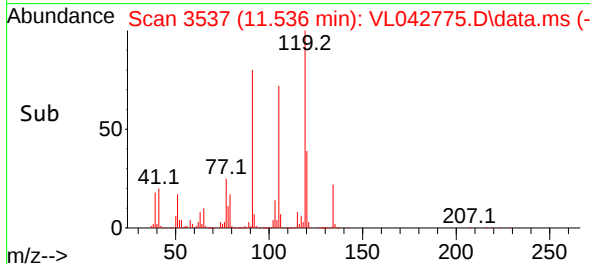
Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01



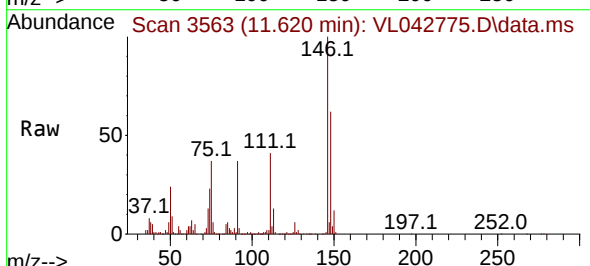
Tgt Ion: 119 Resp: 65043
Ion Ratio Lower Upper
119 100
91 81.5 64.0 96.0
134 21.7 17.3 25.9

Manual Integrations
APPROVED

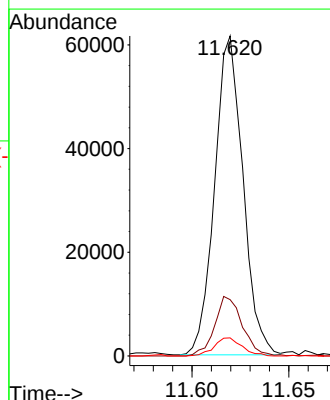
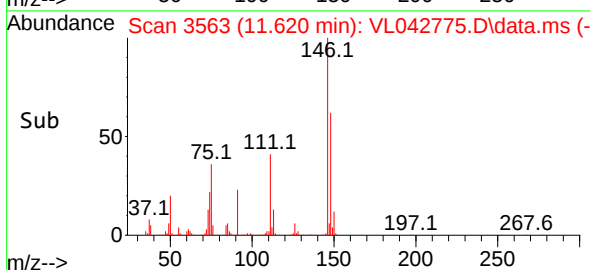
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025

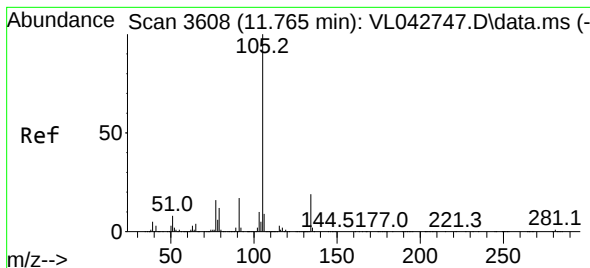


#66
Benzyl Chloride
Concen: 12.714 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03



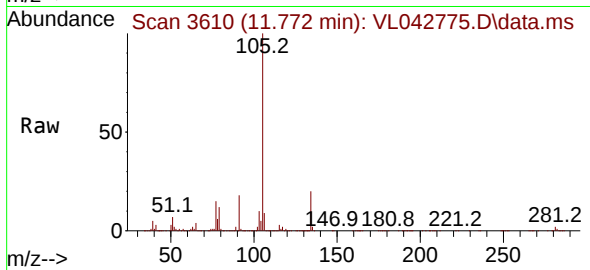
Tgt Ion: 91 Resp: 62462
Ion Ratio Lower Upper
91 100
126 18.3 14.4 21.6
128 5.8 5.2 7.8





#67
 sec-Butylbenzene
 Concen: 10.776 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.006 min
 Lab File: VL042775.D
 Acq: 29 Jul 2025 10:03

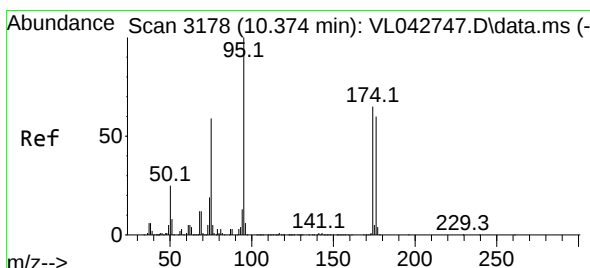
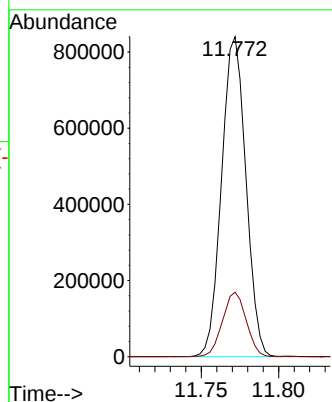
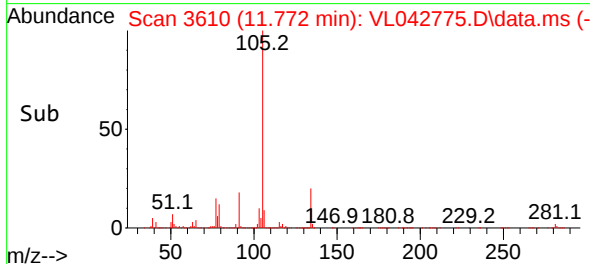
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01



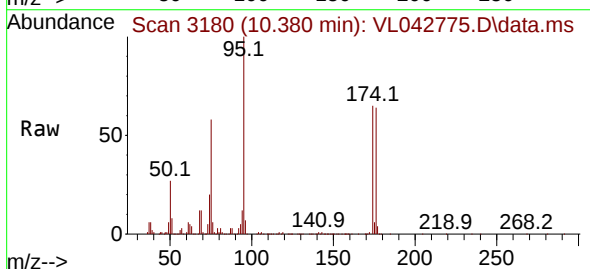
Tgt Ion:105 Resp: 91723
 Ion Ratio Lower Upper
 105 100
 134 19.7 15.5 23.3

Manual Integrations
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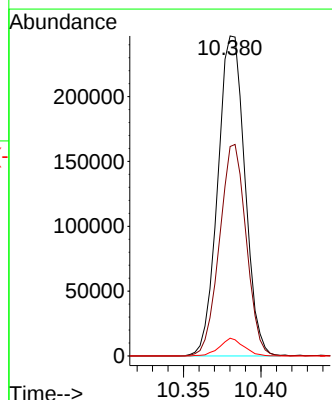
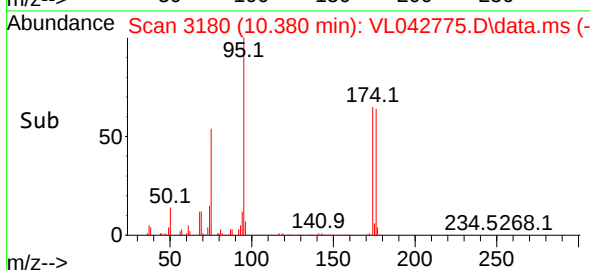
Reviewed By :Semsettin Yesilyurt 07/30/2025
 Supervised By :Mahesh Dadoda 07/30/2025

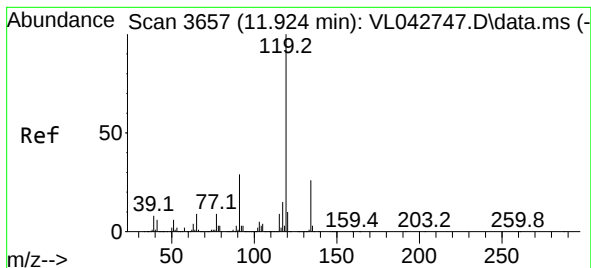


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.477 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.006 min
 Lab File: VL042775.D
 Acq: 29 Jul 2025 10:03



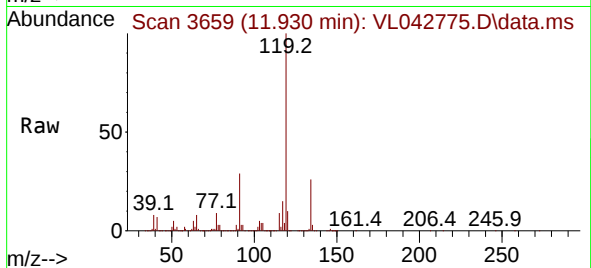
Tgt Ion: 95 Resp: 300507
 Ion Ratio Lower Upper
 95 100
 174 65.1 53.8 80.6
 175 4.9 4.0 6.0





#69
p-Isopropyltoluene
Concen: 11.274 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. 0.006 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

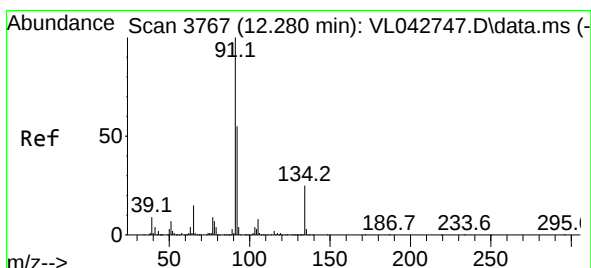
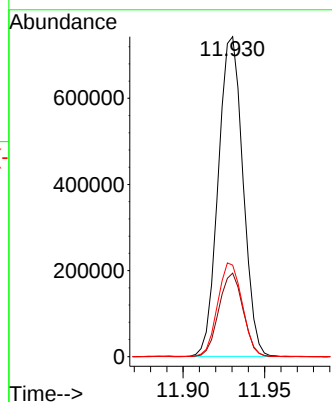
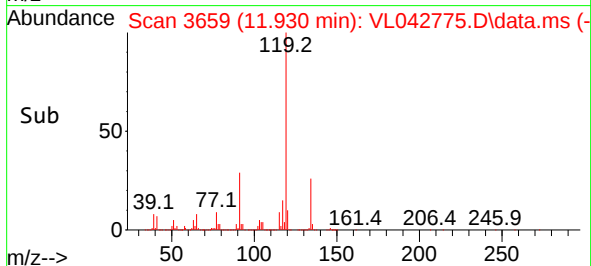
Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01



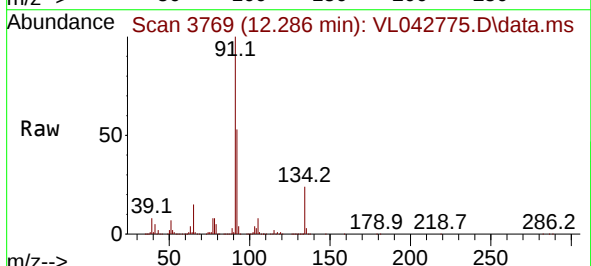
Tgt Ion: 119 Resp: 782429
Ion Ratio Lower Upper
119 100
134 25.7 20.6 31.0
91 29.3 23.2 34.8

Manual Integrations
APPROVED

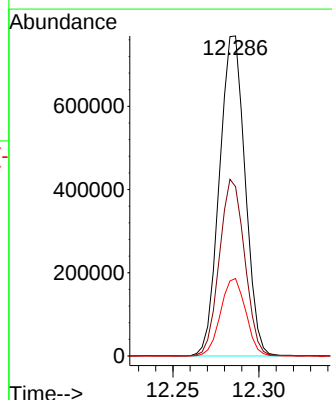
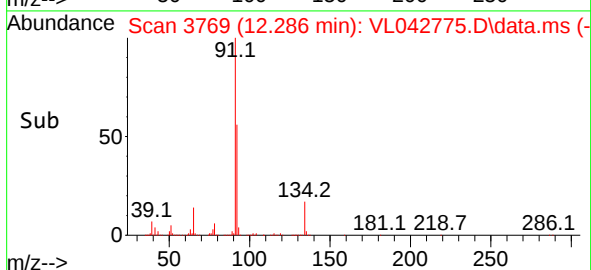
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025

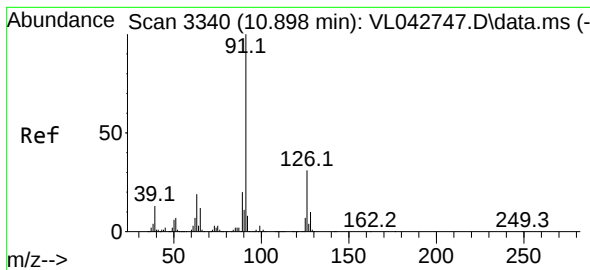


#70
n-Butylbenzene
Concen: 11.901 ppbv
RT: 12.286 min Scan# 3769
Delta R.T. 0.006 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03



Tgt Ion: 91 Resp: 797862
Ion Ratio Lower Upper
91 100
92 54.5 43.4 65.2
134 23.8 19.6 29.4





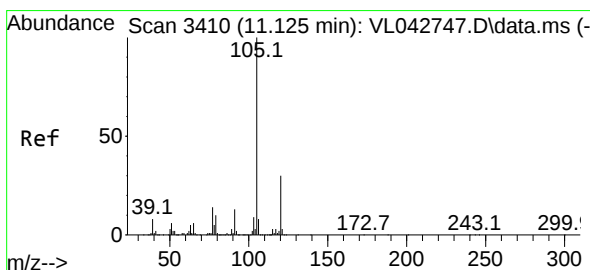
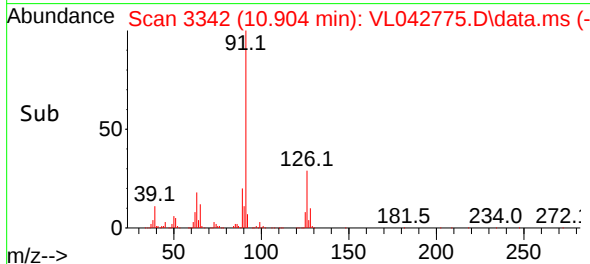
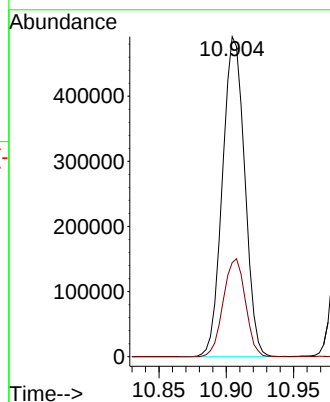
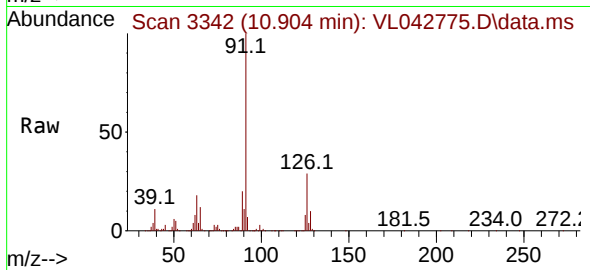
#71
2-Chlorotoluene
Concen: 10.915 ppbv
RT: 10.904 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01

Tgt Ion: 91 Resp: 56388
Ion Ratio Lower Upper
91 100
126 30.5 12.0 48.2

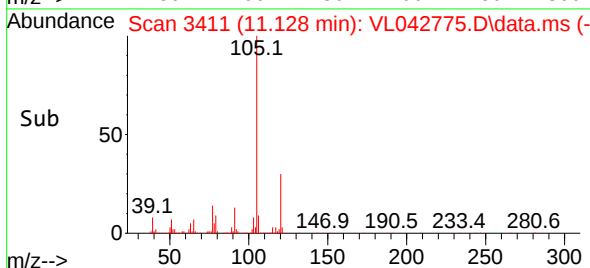
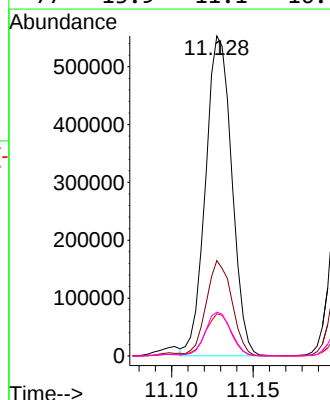
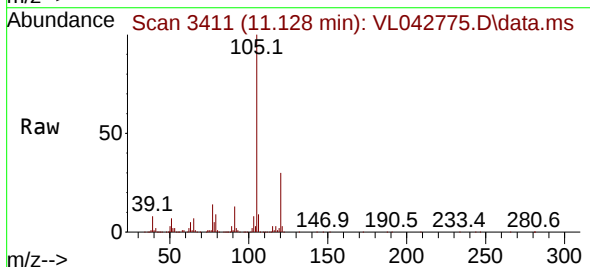
Manual Integrations
APPROVED

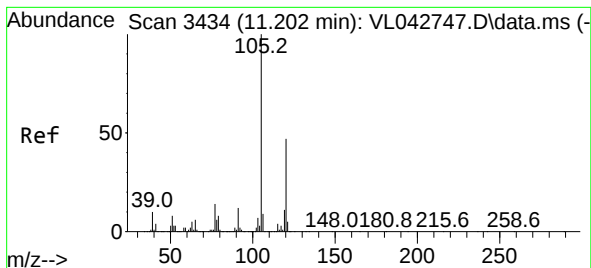
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#72
4-Ethyltoluene
Concen: 11.360 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

Tgt Ion:105 Resp: 619662
Ion Ratio Lower Upper
105 100
120 30.0 24.4 36.6
91 13.3 10.6 15.8
77 13.9 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 11.447 ppbv

RT: 11.209 min Scan# 3434

Delta R.T. 0.006 min

Lab File: VL042775.D

Acq: 29 Jul 2025 10:03

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABS01

Tgt Ion:105 Resp: 51408

Ion Ratio Lower Upper

105 100

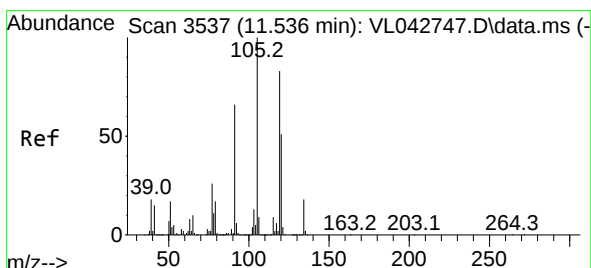
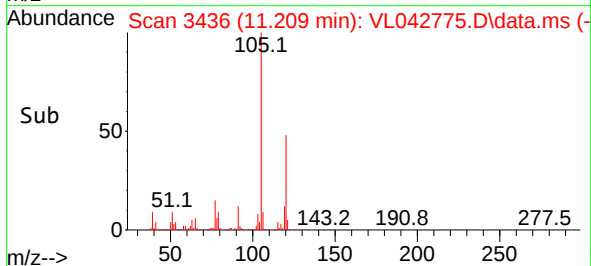
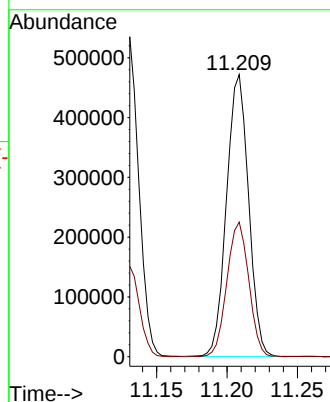
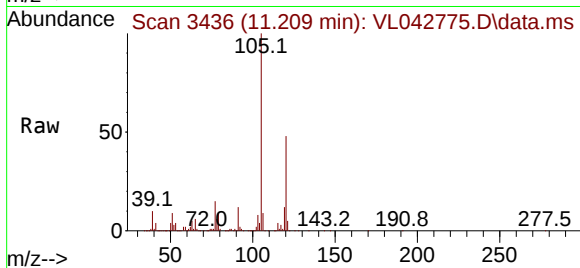
120 47.7 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/30/2025

Supervised By :Mahesh Dadoda 07/30/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.542 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.006 min

Lab File: VL042775.D

Acq: 29 Jul 2025 10:03

Tgt Ion:105 Resp: 565531

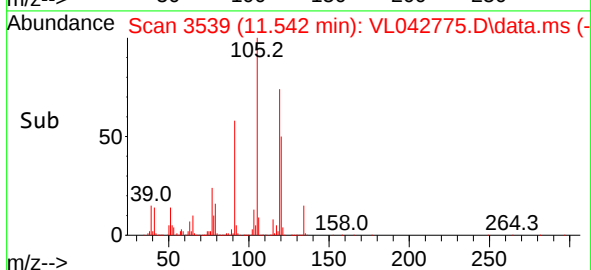
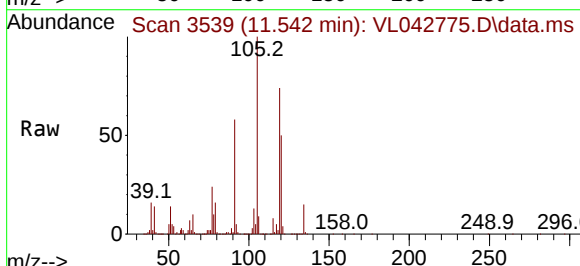
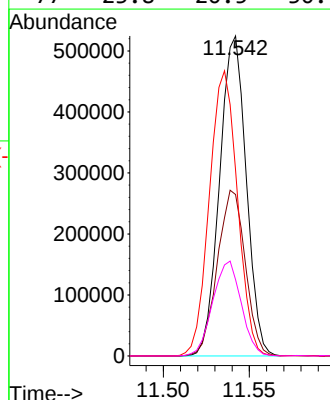
Ion Ratio Lower Upper

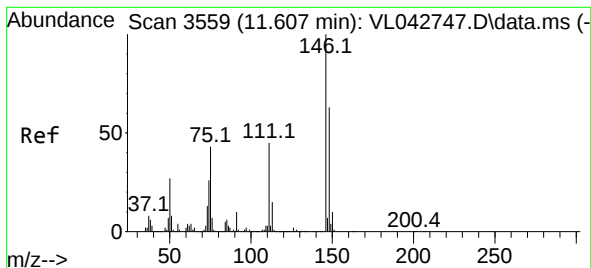
105 100

120 50.5 40.8 61.2

91 58.1 53.0 79.4

77 23.8 20.5 30.7





#75

1,3-Dichlorobenzene

Concen: 10.692 ppbv

RT: 11.610 min Scan# 3559

Delta R.T. 0.003 min

Lab File: VL042775.D

Acq: 29 Jul 2025 10:03

Instrument :

MSVOA_L

ClientSampleId :

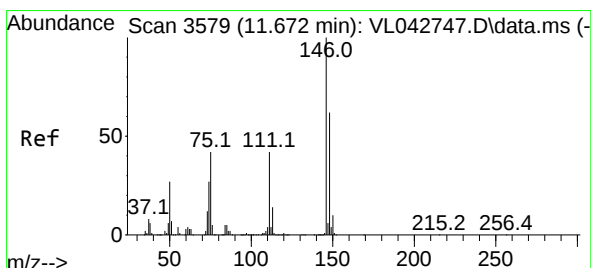
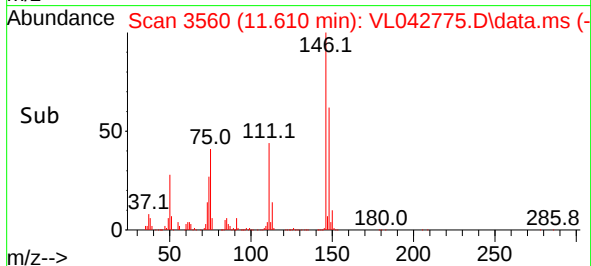
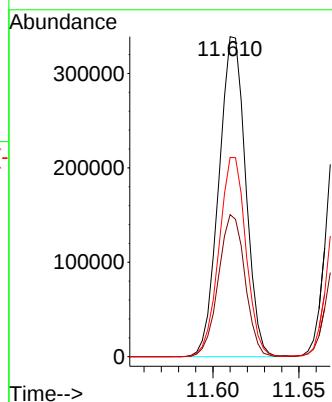
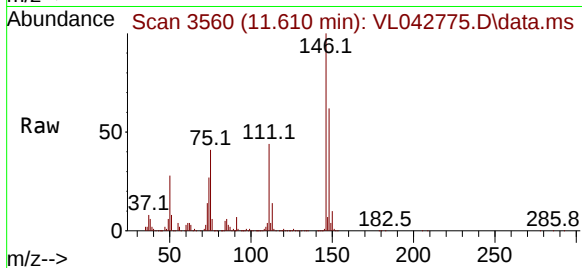
VL0729ABS01

Tgt Ion:146 Resp: 367259
 Ion Ratio Lower Upper
 146 100
 111 44.1 22.7 68.0
 148 62.7 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/30/2025
 Supervised By :Mahesh Dadoda 07/30/2025



#76

1,4-Dichlorobenzene

Concen: 10.969 ppbv

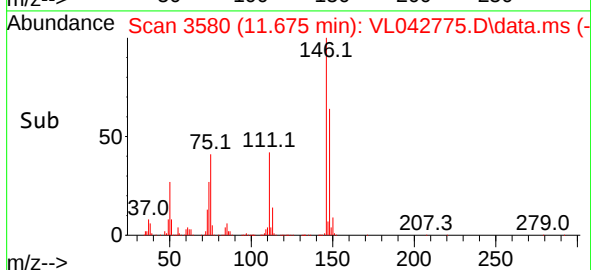
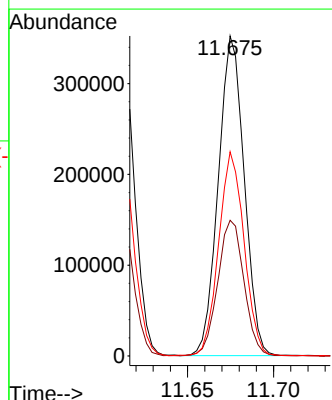
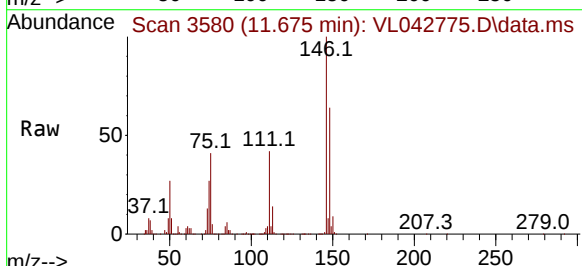
RT: 11.675 min Scan# 3580

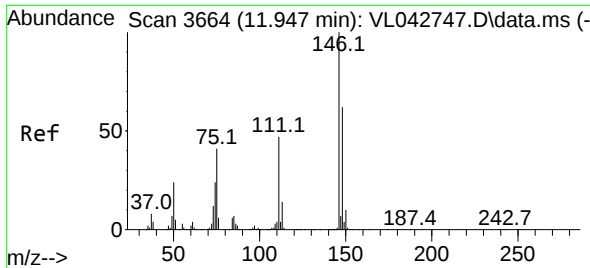
Delta R.T. 0.003 min

Lab File: VL042775.D

Acq: 29 Jul 2025 10:03

Tgt Ion:146 Resp: 368710
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.4 64.2
 148 63.0 32.1 96.3





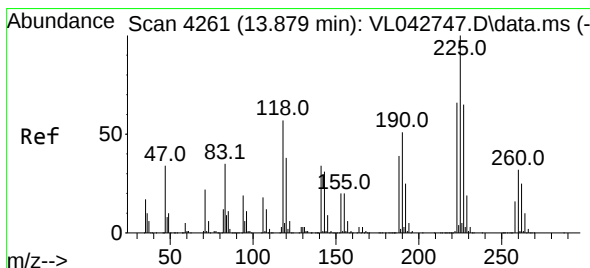
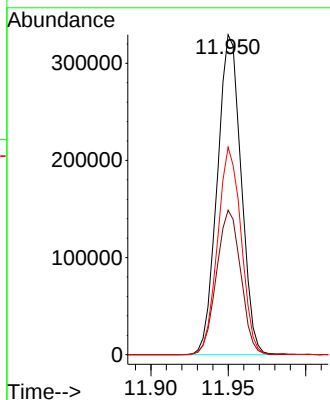
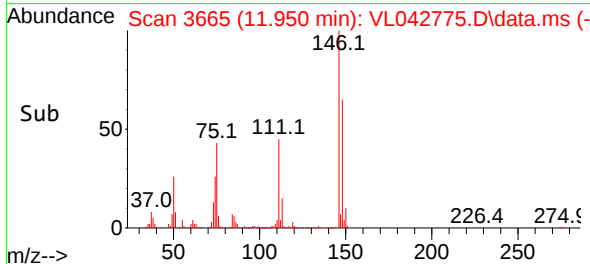
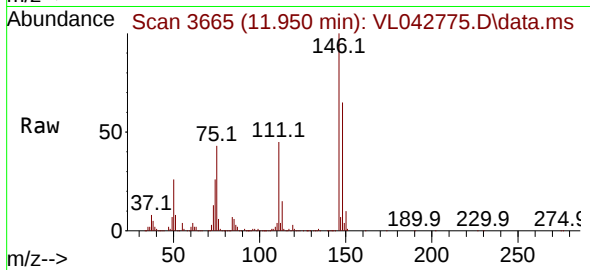
#77
1,2-Dichlorobenzene
Concen: 10.434 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.003 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01

Tgt Ion:146 Resp: 352249
Ion Ratio Lower Upper
146 100
111 46.1 23.7 71.1
148 64.1 32.6 97.7

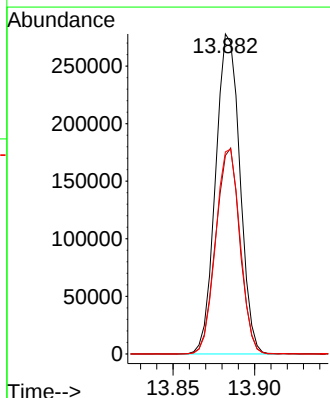
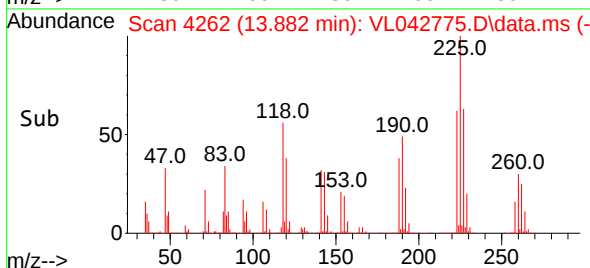
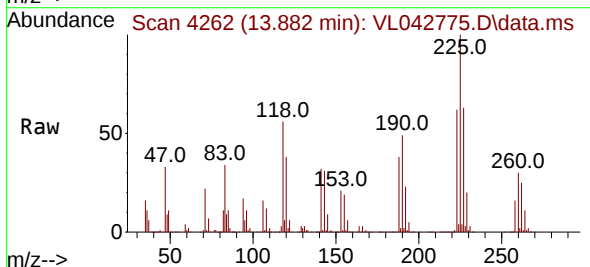
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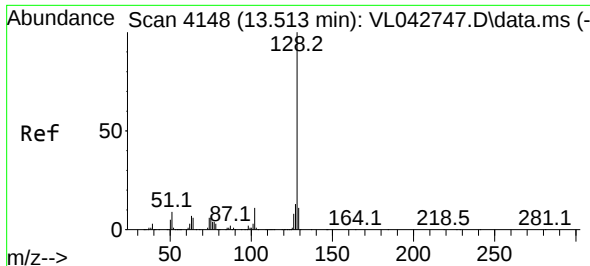
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#78
Hexachloro-1,3-Butadiene
Concen: 9.419 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.003 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

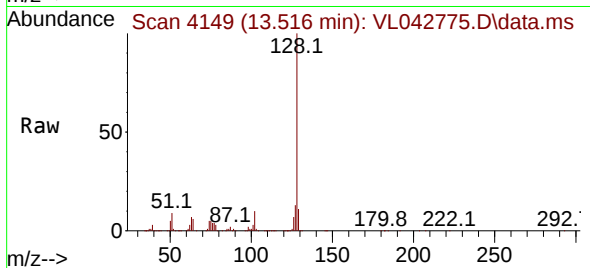
Tgt Ion:225 Resp: 287825
Ion Ratio Lower Upper
225 100
223 63.8 50.7 76.1
227 64.4 50.5 75.7





#79
Naphthalene
Concen: 10.516 ppbv
RT: 13.516 min Scan# 4148
Delta R.T. 0.003 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03

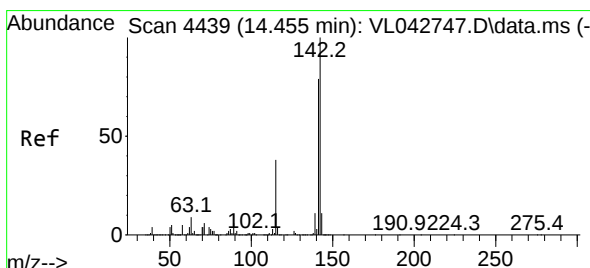
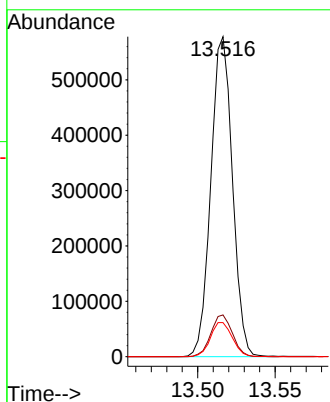
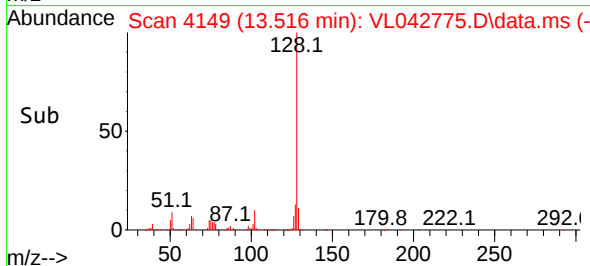
Instrument :
MSVOA_L
ClientSampleId :
VL0729ABS01



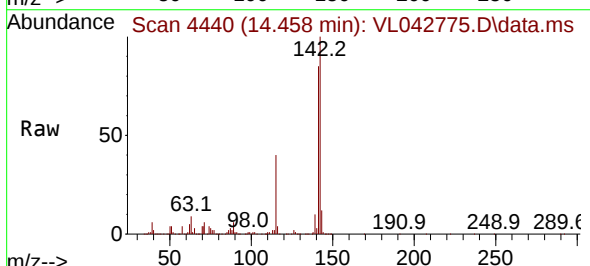
Tgt Ion:128 Resp: 560369
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.7 8.6 13.0

Manual Integrations
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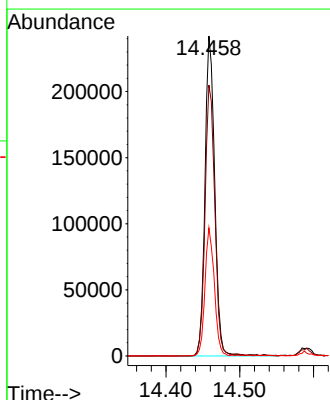
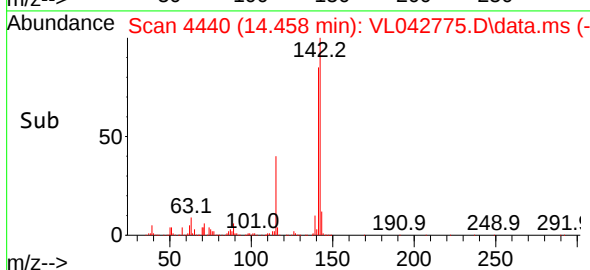
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025

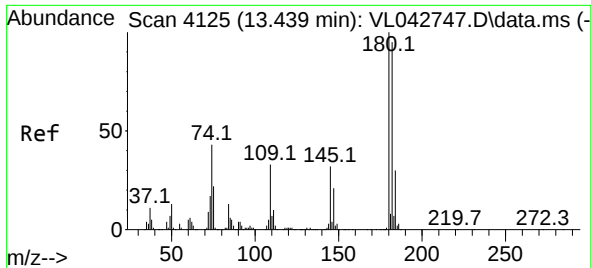


#80
Naphthalene,2-methyl-
Concen: 8.489 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.003 min
Lab File: VL042775.D
Acq: 29 Jul 2025 10:03



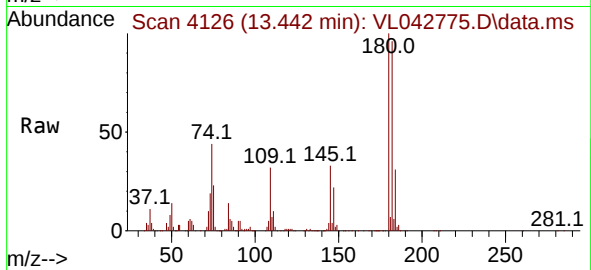
Tgt Ion:142 Resp: 220575
Ion Ratio Lower Upper
142 100
141 85.7 65.8 98.8
115 38.8 31.2 46.8





#81
 1,2,4-Trichlorobenzene
 Concen: 10.508 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042775.D
 Acq: 29 Jul 2025 10:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01



Tgt Ion:180 Resp: 314680
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.2 114.2
 184 30.8 24.8 37.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/30/2025
 Supervised By :Mahesh Dadoda 07/30/2025

