

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042731.D
 Acq On : 22 Jul 2025 15:06
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072225

Quant Time: Jul 23 03:00:49 2025

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

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

QLast Update : Wed Jul 23 02:51:39 2025

Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	2.787	49	103230	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	302238	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	274367	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 234672 10.583 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	144692	8.979	ppbv	96
3) Chlorodifluoromethane	1.476	51	163537	8.972	ppbv	100
4) Chloromethane	1.531	50	59713	9.048	ppbv	99
5) Vinyl Chloride	1.580	62	52575	8.065	ppbv	95
6) Bromomethane	1.667	94	22692	8.602	ppbv	94
7) Chloroethane	1.703	64	21336	8.608	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	117893	8.673	ppbv	96
9) Propene	1.483	41	55429	8.572	ppbv	90
10) Heptane	4.978	43	161440	8.977	ppbv	98
11) Trichlorofluoromethane	1.878	101	147785	8.911	ppbv	91
12) 1,1,2-Trichlorotrifluo...	2.140	101	112524	8.671	ppbv	99
13) Ethanol	1.722	45	5706	5.245	ppbv	95
14) Bromoethene	1.781	108	40918	8.844	ppbv	97
15) Acetone	1.836	43	123985	7.173	ppbv	97
16) 1,3-Butadiene	1.609	39	63491	8.577	ppbv	99
17) tert-Butyl alcohol	2.039	59	141688	8.633	ppbv	100
18) 1,1-Dichloroethene	2.033	96	49477	8.966	ppbv	94
19) Isopropyl Alcohol	1.884	45	80872	8.828	ppbv	98
20) Methylene Chloride	2.062	84	42368	7.798	ppbv	93
21) Allyl Chloride	2.094	41	99845	9.011	ppbv	98
22) trans-1,2-Dichloroethene	2.340	96	55870	8.826	ppbv	85
23) Vinyl Acetate	2.460	43	186778	9.479	ppbv	98
24) 1,1-Dichloroethane	2.408	63	113158	8.938	ppbv	99
25) Ethyl Acetate	2.836	43	290054	9.094	ppbv	100
26) Hexane	2.826	57	126560	9.045	ppbv	98
27) Carbon Disulfide	2.149	76	133849	8.956	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	71716	8.817	ppbv	98
29) Chloroform	2.849	83	209913	9.085	ppbv	98
30) Cyclohexane	3.858	84	112878	9.245	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	137905	9.153	ppbv	98
32) 1,1,1-Trichloroethane	3.366	97	220748	9.073	ppbv	98
34) 2-Butanone	2.554	43	194585	9.349	ppbv	98
35) Carbon Tetrachloride	3.761	117	227881	9.202	ppbv	97
36) Benzene	3.655	78	267416	9.524	ppbv	98
37) 1,2-Dichloroethane	3.218	62	173758	9.701	ppbv	99
38) Trichloroethene	4.548	130	121878	8.904	ppbv	96
39) 1,2-Dichloropropane	4.312	63	95953	9.178	ppbv	99
40) 1,4-Dioxane	4.580	88	44298	8.895	ppbv #	97
41) Tetrahydrofuran	3.049	42	102809	9.797	ppbv	98
42) Bromodichloromethane	4.490	83	231463	9.879	ppbv	97
43) Methyl Methacrylate	4.878	69	104231	9.663	ppbv	98
44) 2,2,4-Trimethylpentane	4.642	57	433727	9.411	ppbv	99
45) t-1,3-Dichloropropene	6.412	75	127678	9.641	ppbv	98

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Manual Integrations
 APPROVED

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

Quant Time: Jul 23 03:00:49 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 02:51:39 2025

Response via : Initial Calibration

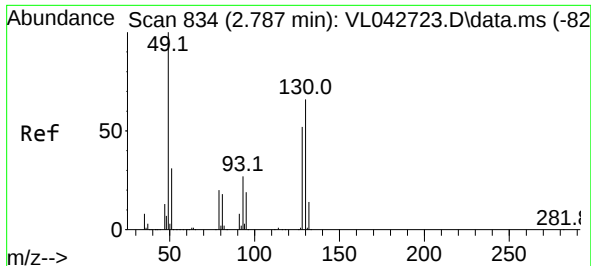
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	155049	9.842	ppbv	97
47) 1,1,2-Trichloroethane	6.587	97	104049	9.079	ppbv	89
48) Dibromochloromethane	7.386	129	186331	9.788	ppbv	98
49) Bromoform	9.484	173	163543	9.950	ppbv	100
50) 4-Methyl-2-Pentanone	5.752	43	262948m	9.641	ppbv	
51) 2-Hexanone	7.432	43	213373	9.809	ppbv #	100
52) Tetrachloroethene	8.228	164	102369	9.047	ppbv	95
53) Toluene	6.933	91	303714	9.593	ppbv	98
54) 1,2-Dibromoethane	7.655	107	158768	9.309	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.927	131	136803	9.255	ppbv	99
57) Chlorobenzene	8.921	112	239120	9.150	ppbv	98
58) Ethyl Benzene	9.354	91	437222	9.539	ppbv	99
59) m/p-Xylene	9.552	91	703809m	19.196	ppbv	
60) o-Xylene	9.966	91	348762	9.421	ppbv	99
61) Styrene	9.869	104	154909	9.714	ppbv	98
62) Isopropylbenzene	10.539	105	518317	9.418	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	194906	9.208	ppbv	99
64) n-propylbenzene	10.989	120	133130	9.590	ppbv	100
65) tert-Butylbenzene	11.532	119	458035	9.301	ppbv	100
66) Benzyl Chloride	11.617	91	50184	10.713	ppbv	98
67) sec-Butylbenzene	11.769	105	633973	9.372	ppbv	99
69) p-Isopropyltoluene	11.924	119	549049	9.690	ppbv	100
70) n-Butylbenzene	12.280	91	549486	10.147	ppbv	100
71) 2-Chlorotoluene	10.901	91	395308	9.476	ppbv	99
72) 4-Ethyltoluene	11.125	105	434852	9.850	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	368192	10.084	ppbv	100
74) 1,2,4-Trimethylbenzene	11.539	105	400229	9.991	ppbv #	86
75) 1,3-Dichlorobenzene	11.607	146	251235	9.378	ppbv	98
76) 1,4-Dichlorobenzene	11.672	146	247720	9.559	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	238232	9.276	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	210055	8.402	ppbv	99
79) Naphthalene	13.510	128	410019	13.681	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	199543	20.233	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	222336	12.164	ppbv	99

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

Manual Integrations

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

[illegible]



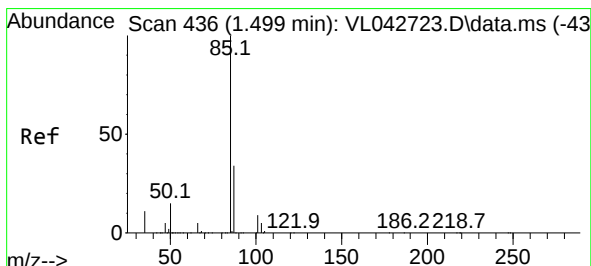
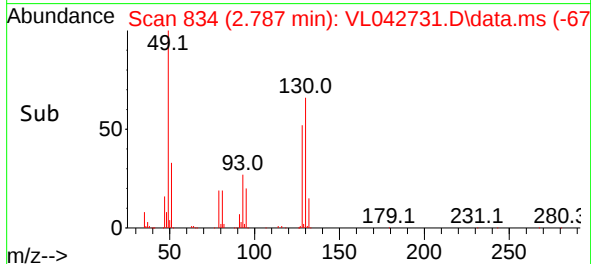
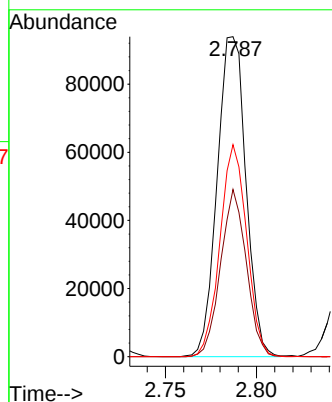
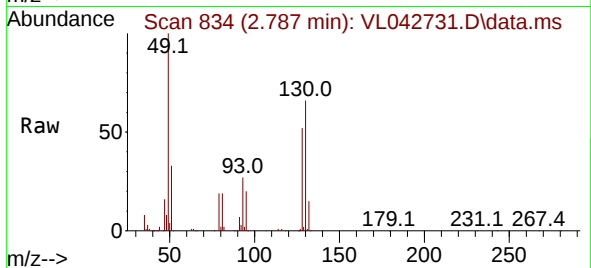
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072225

Tgt Ion: 49 Resp: 103230
Ion Ratio Lower Upper
49 100
128 46.7 24.5 73.5
130 61.5 31.7 95.1

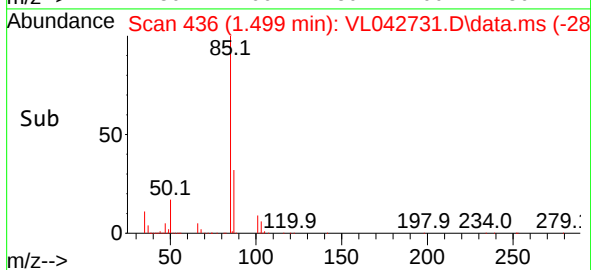
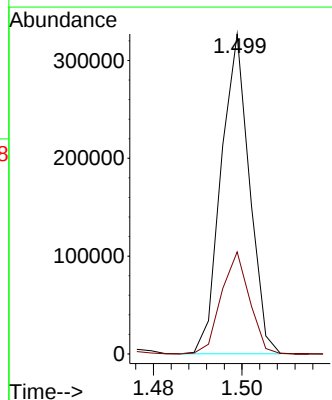
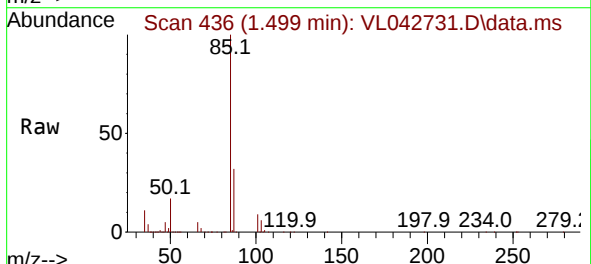
Manual Integrations
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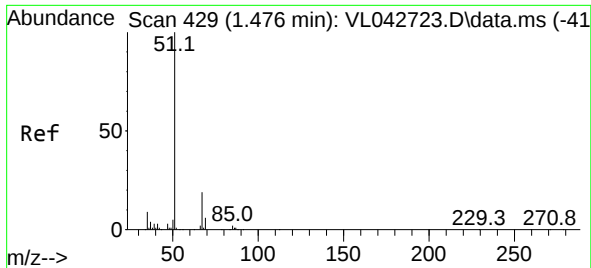
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#2
Dichlorodifluoromethane
Concen: 8.979 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Tgt Ion: 85 Resp: 144692
Ion Ratio Lower Upper
85 100
87 31.9 27.5 41.3





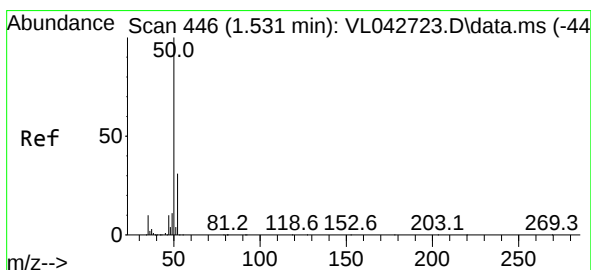
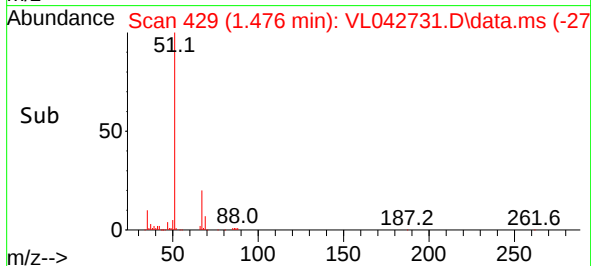
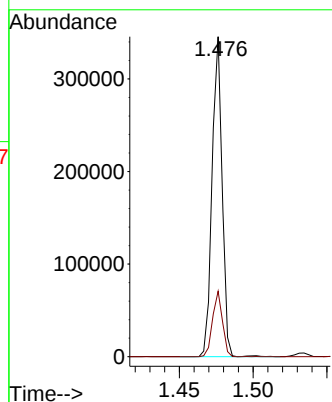
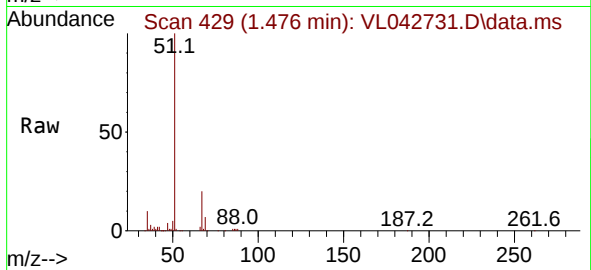
#3
Chlorodifluoromethane
Concen: 8.972 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Instrument : MSVOA_L
ClientSampleId : ICVVL072225

Tgt Ion: 51 Resp: 16353
Ion Ratio Lower Upper
51 100
67 20.1 16.0 24.0

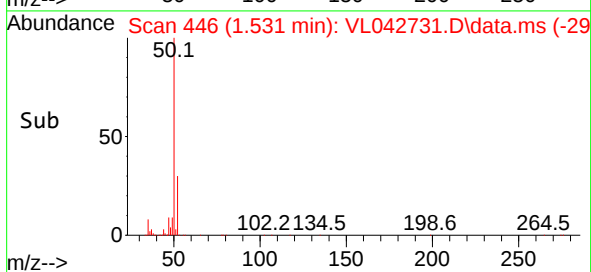
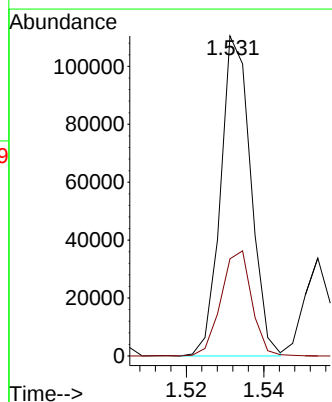
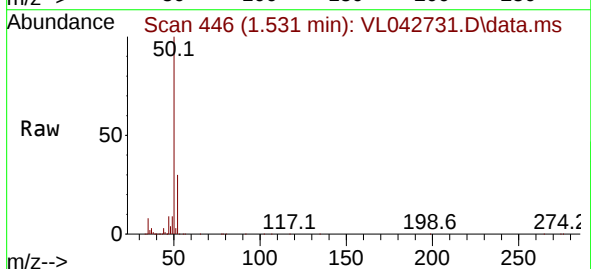
Manual Integrations
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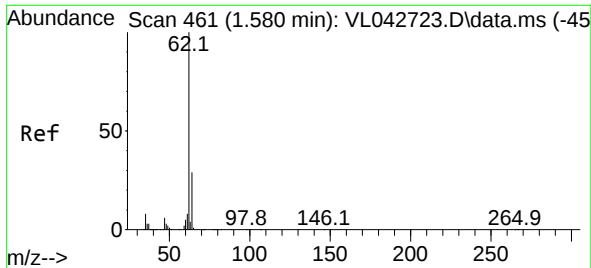
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#4
Chloromethane
Concen: 9.048 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Tgt Ion: 50 Resp: 59713
Ion Ratio Lower Upper
50 100
52 30.3 24.9 37.3





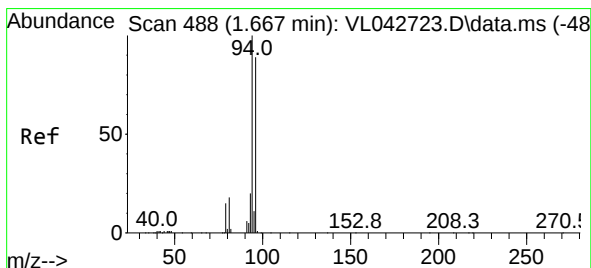
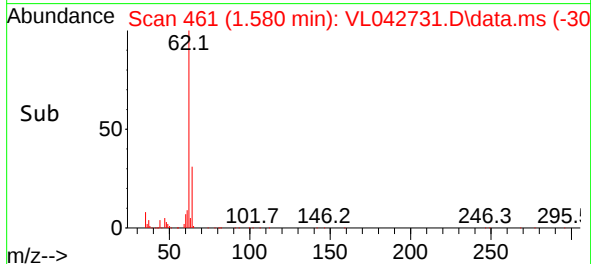
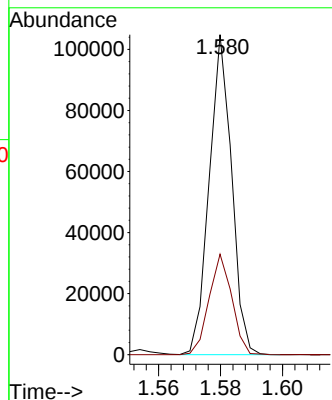
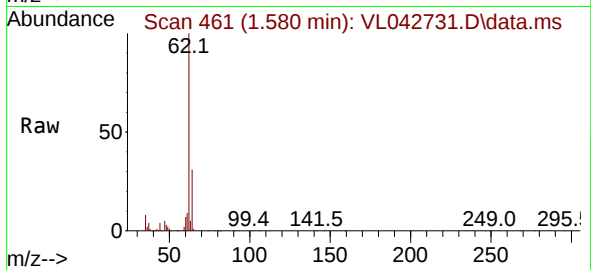
#5
 Vinyl Chloride
 Concen: 8.065 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072225

Tgt Ion: 62 Resp: 5257
 Ion Ratio Lower Upper
 62 100
 64 31.4 23.0 34.6

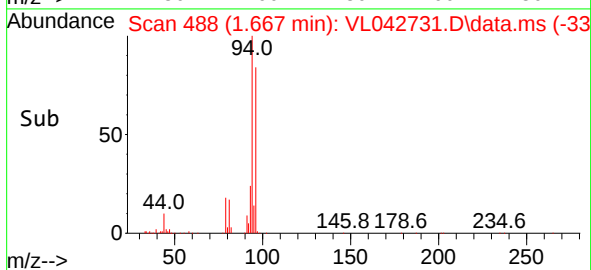
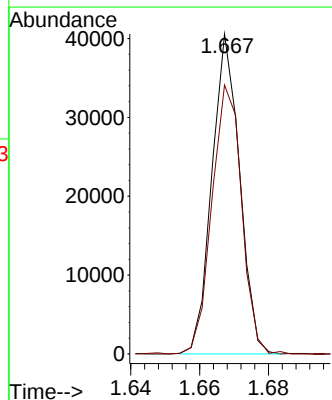
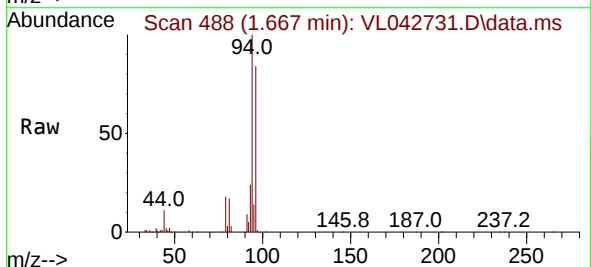
Manual Integrations
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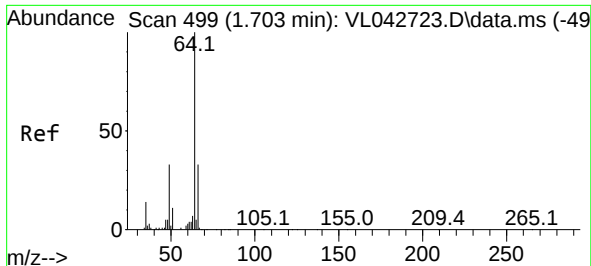
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#6
 Bromomethane
 Concen: 8.602 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

Tgt Ion: 94 Resp: 22692
 Ion Ratio Lower Upper
 94 100
 96 83.6 71.1 106.7





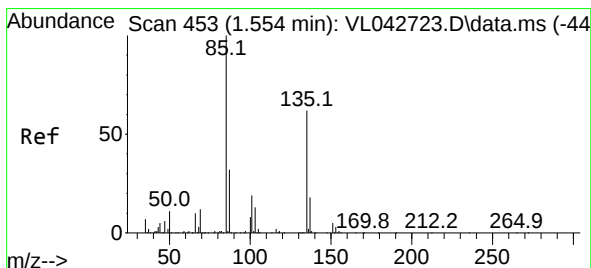
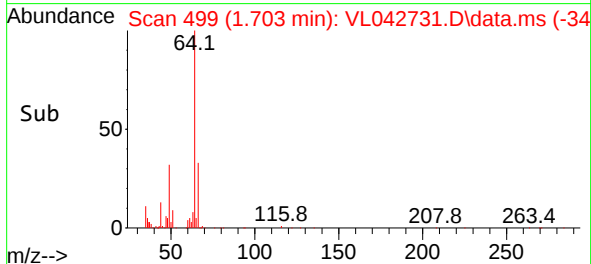
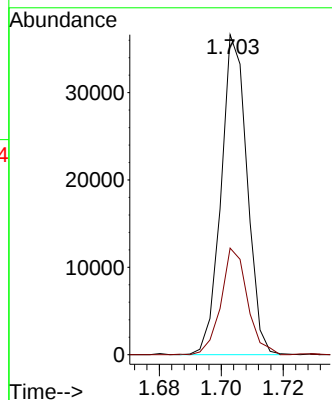
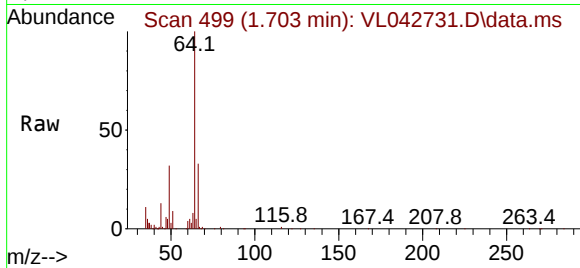
#7
Chloroethane
Concen: 8.608 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Instrument : MSVOA_L
ClientSampleId : ICVVL072225

Tgt Ion: 64 Resp: 21330
Ion Ratio Lower Upper
64 100
66 33.3 26.4 39.6

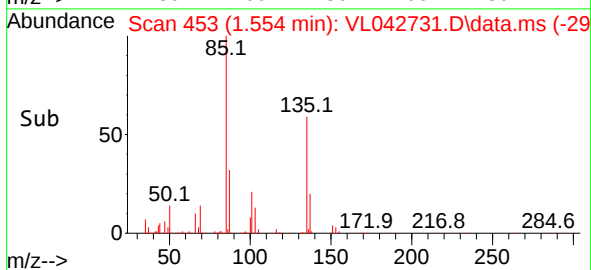
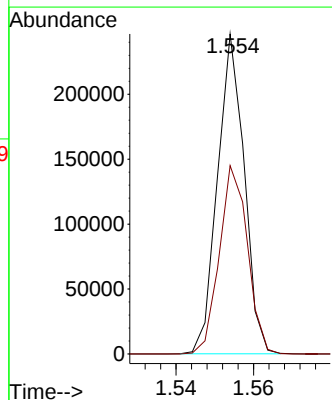
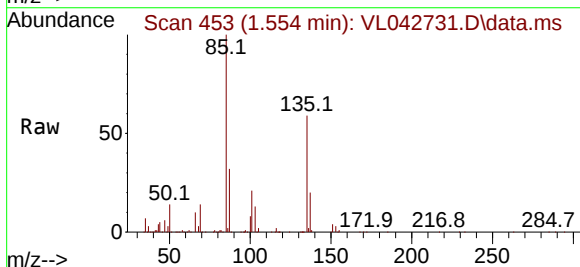
Manual Integrations
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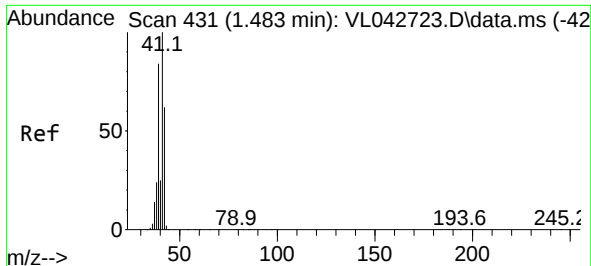
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#8
Dichlorotetrafluoroethane
Concen: 8.673 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

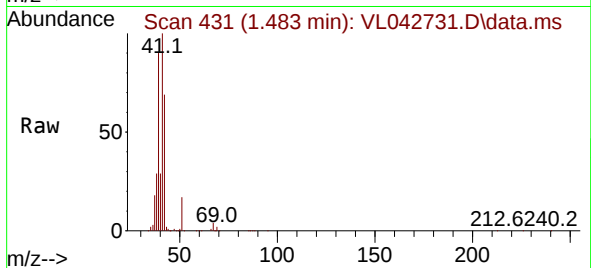
Tgt Ion: 85 Resp: 117893
Ion Ratio Lower Upper
85 100
135 62.1 52.0 78.0





#9
 Propene
 Concen: 8.572 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

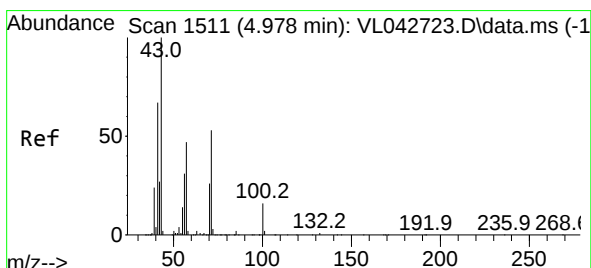
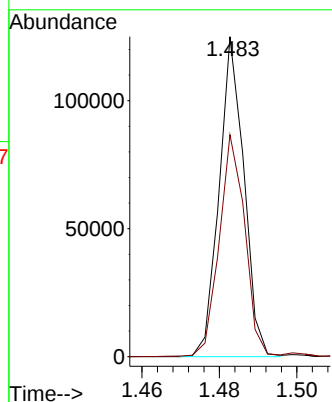
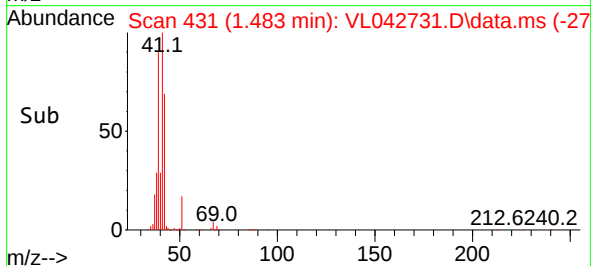
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072225



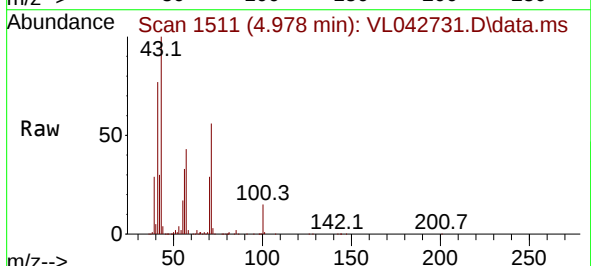
Tgt Ion: 41 Resp: 55429
 Ion Ratio Lower Upper
 41 100
 42 73.1 52.0 78.0

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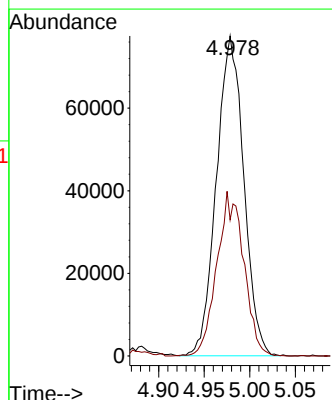
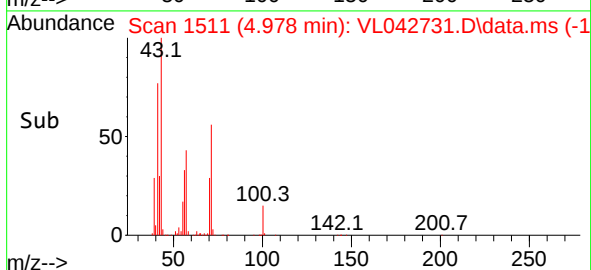
Reviewed By :Semsettin Yesilyurt 07/23/2025
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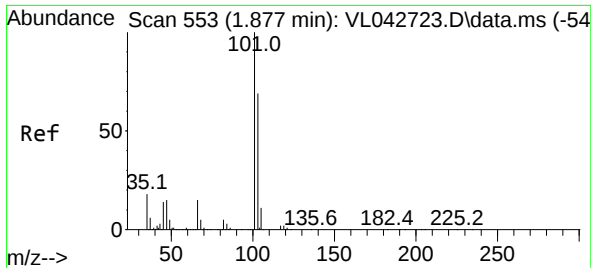


#10
 Heptane
 Concen: 8.977 ppbv
 RT: 4.978 min Scan# 1511
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06



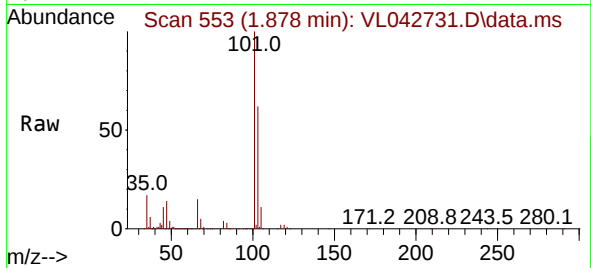
Tgt Ion: 43 Resp: 161440
 Ion Ratio Lower Upper
 43 100
 57 50.5 39.1 58.7





#11
 Trichlorofluoromethane
 Concen: 8.911 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

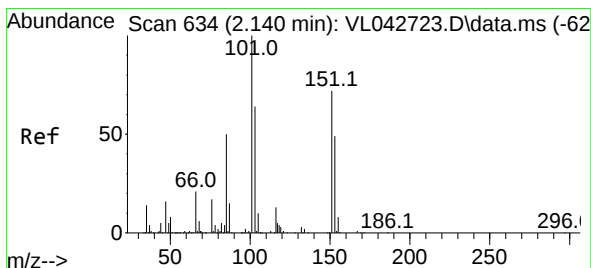
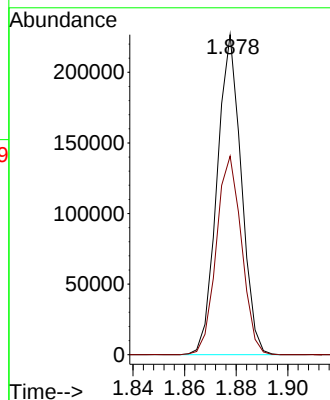
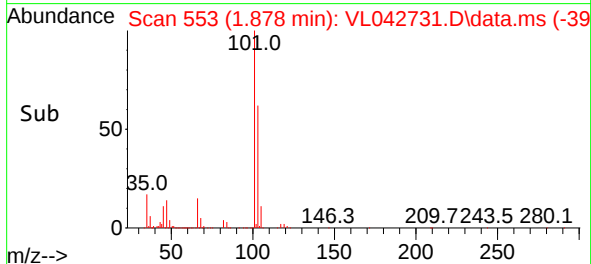
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072225



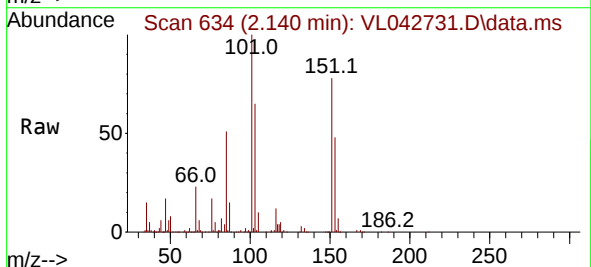
Tgt Ion:101 Resp: 147785
 Ion Ratio Lower Upper
 101 100
 103 62.1 55.2 82.8

Manual Integrations
 APPROVED

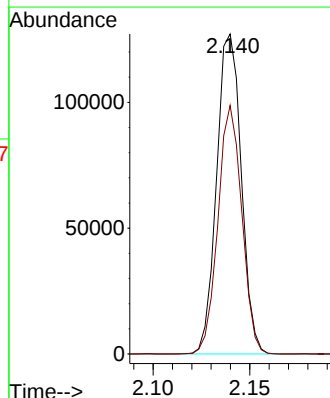
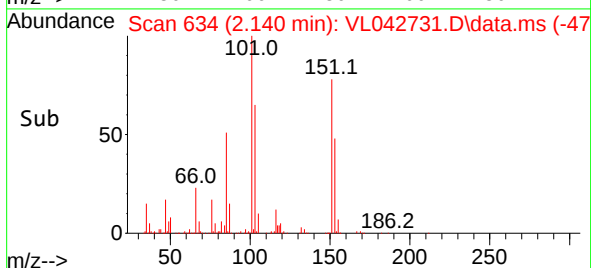
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

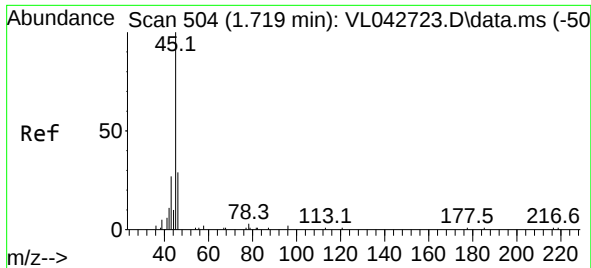


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.671 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06



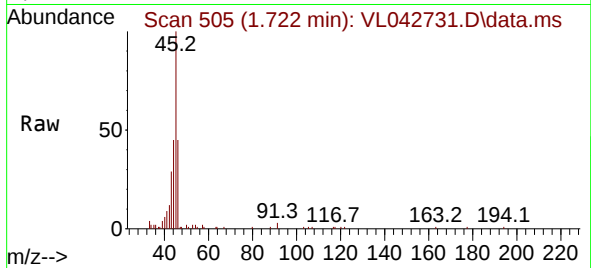
Tgt Ion:101 Resp: 112524
 Ion Ratio Lower Upper
 101 100
 151 75.1 59.1 88.7





#13
Ethanol
Concen: 5.245 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

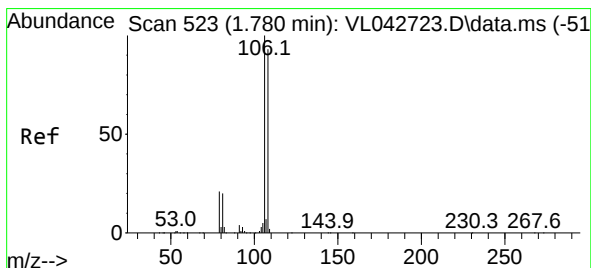
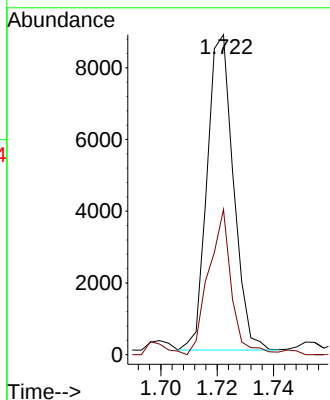
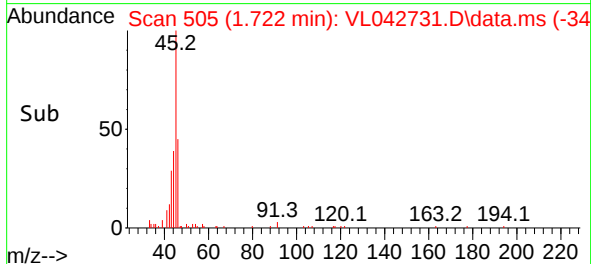
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072225



Tgt Ion: 45 Resp: 5700
Ion Ratio Lower Upper
45 100
46 43.8 16.3 65.1

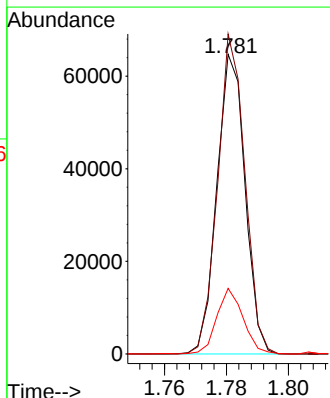
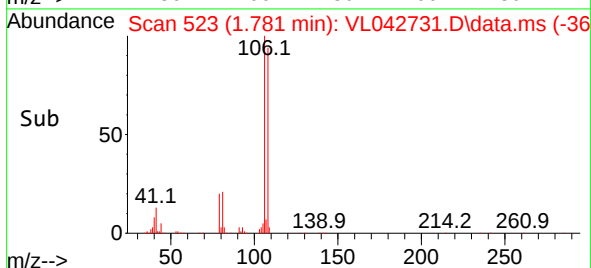
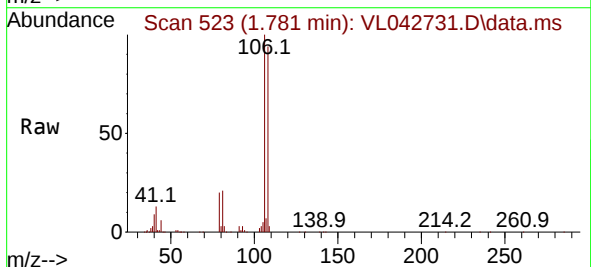
Manual Integrations
APPROVED

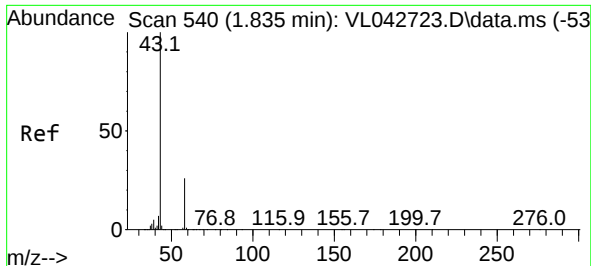
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#14
Bromoethene
Concen: 8.844 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

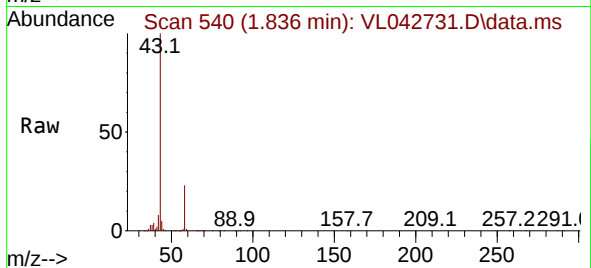
Tgt Ion:108 Resp: 40918
Ion Ratio Lower Upper
108 100
106 103.4 85.4 128.0
79 21.0 17.4 26.2





#15
Acetone
Concen: 7.173 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

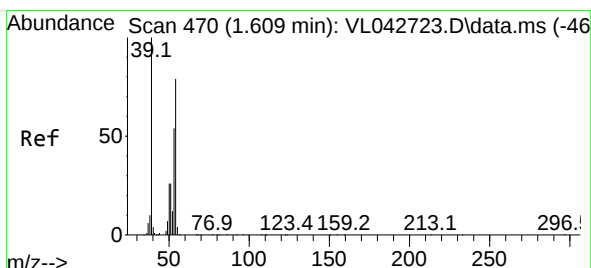
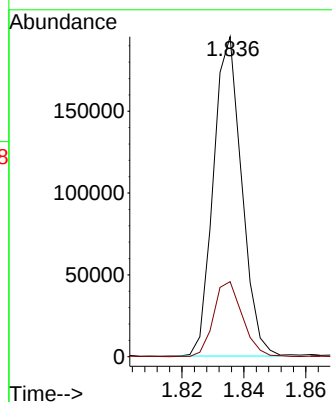
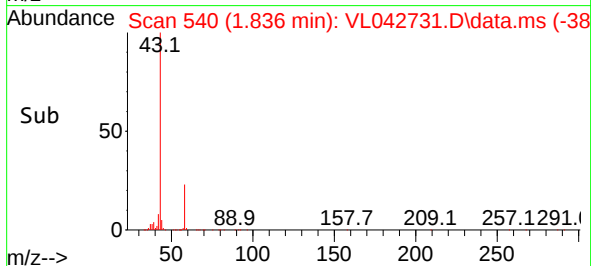
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072225



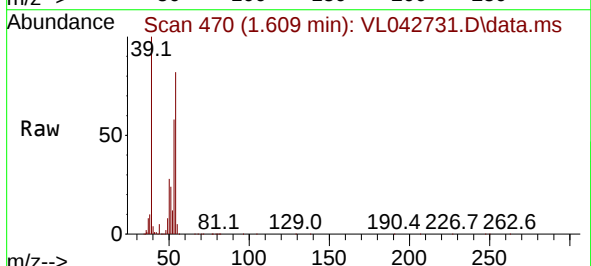
Tgt Ion: 43 Resp: 123985
Ion Ratio Lower Upper
43 100
58 24.2 20.5 30.7

Manual Integrations
APPROVED

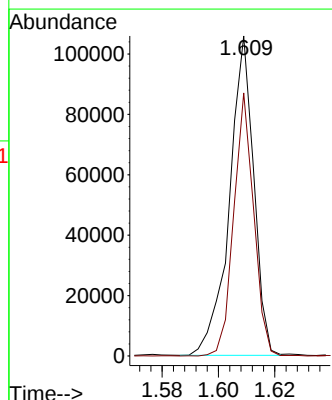
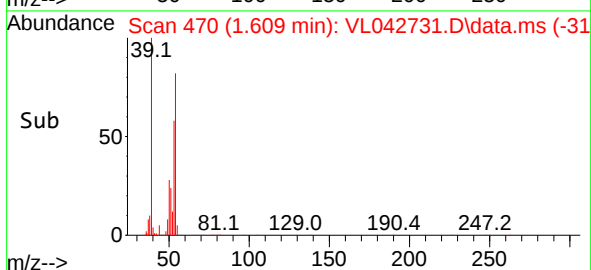
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

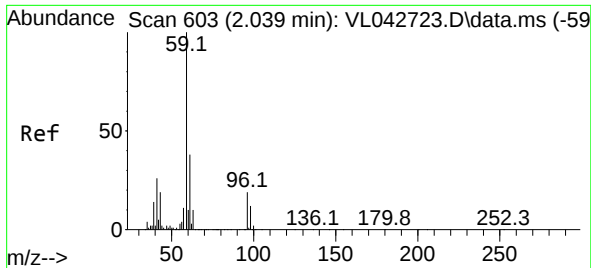


#16
1,3-Butadiene
Concen: 8.577 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06



Tgt Ion: 39 Resp: 63491
Ion Ratio Lower Upper
39 100
54 67.7 54.6 82.0





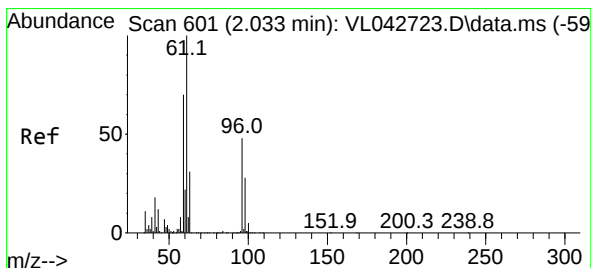
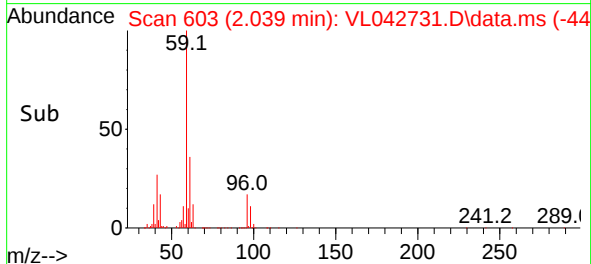
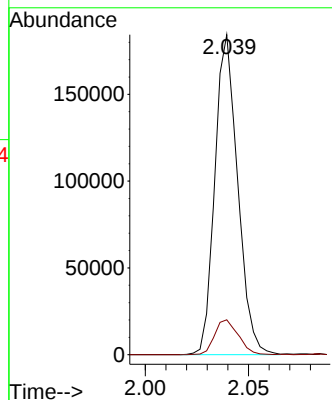
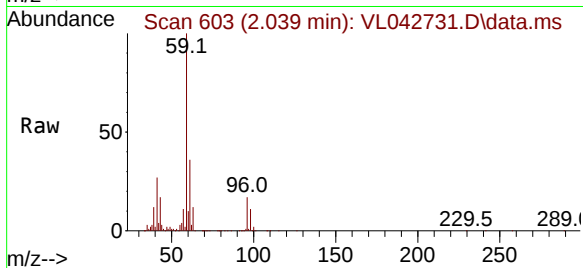
#17
tert-Butyl alcohol
Concen: 8.633 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Instrument : MSVOA_L
ClientSampleId : ICVVL072225

Tgt Ion: 59 Resp: 141688
Ion Ratio Lower Upper
59 100
57 11.4 9.1 13.7

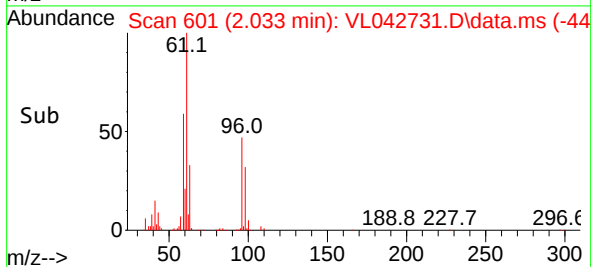
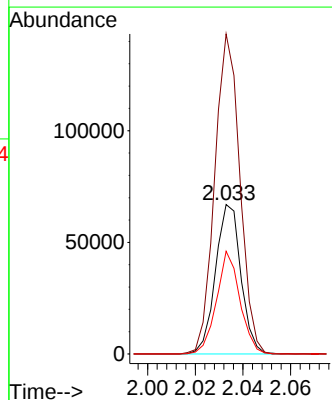
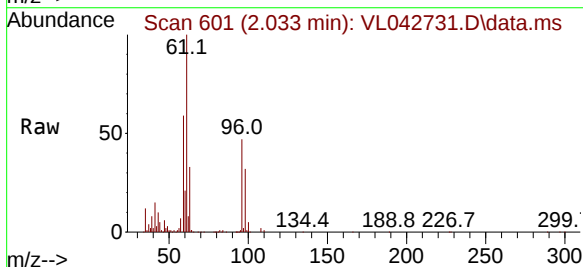
Manual Integrations
APPROVED

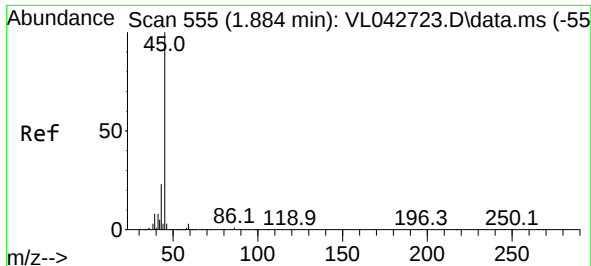
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#18
1,1-Dichloroethene
Concen: 8.966 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

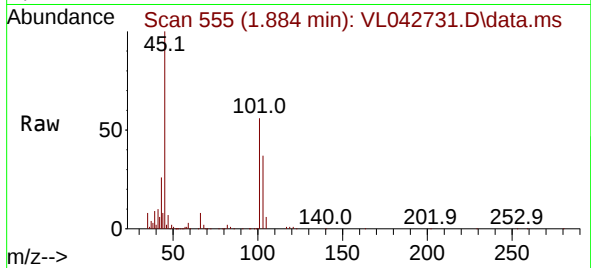
Tgt Ion: 96 Resp: 49477
Ion Ratio Lower Upper
96 100
61 214.0 166.2 249.4
98 68.7 46.1 69.1





#19
Isopropyl Alcohol
Concen: 8.828 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

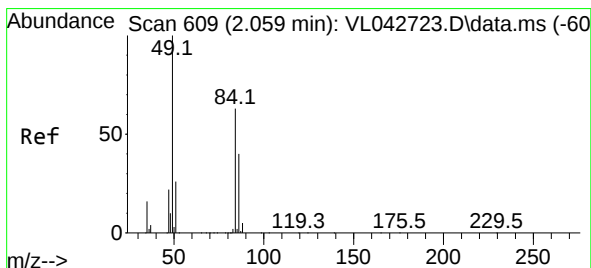
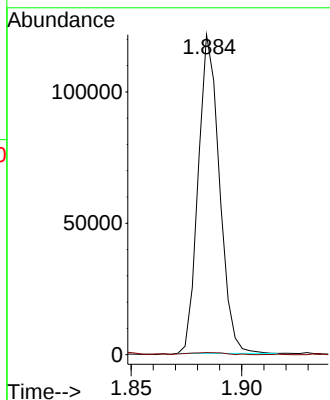
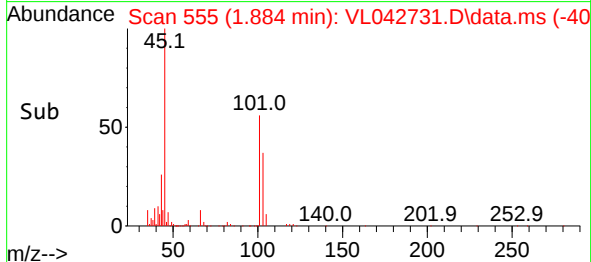
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072225



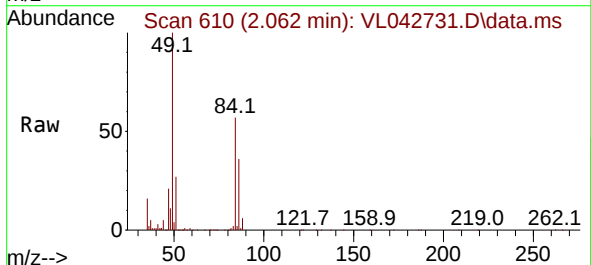
Tgt Ion: 45 Resp: 80872
Ion Ratio Lower Upper
45 100
58 37.1 30.6 46.0

Manual Integrations
APPROVED

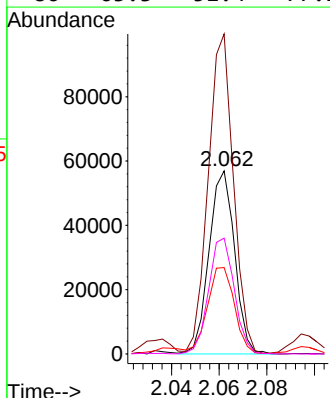
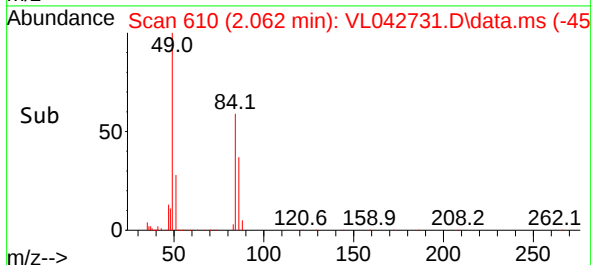
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

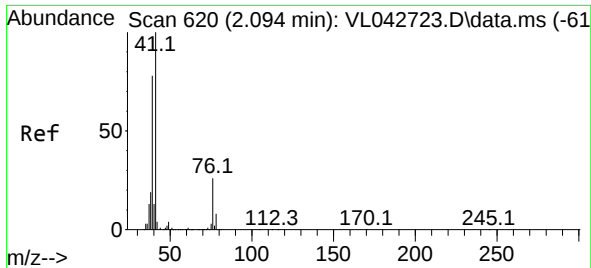


#20
Methylene Chloride
Concen: 7.798 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06



Tgt Ion: 84 Resp: 42368
Ion Ratio Lower Upper
84 100
49 173.8 128.2 192.4
51 46.5 34.5 51.7
86 63.3 51.4 77.2





#21
 Allyl Chloride
 Concen: 9.011 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

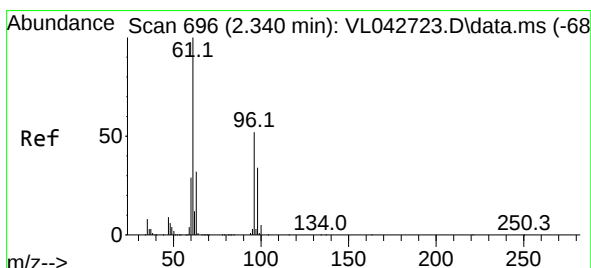
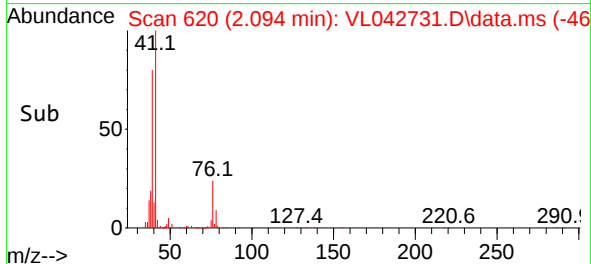
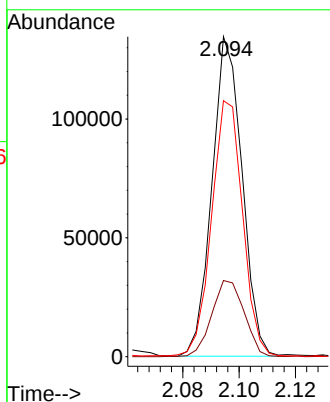
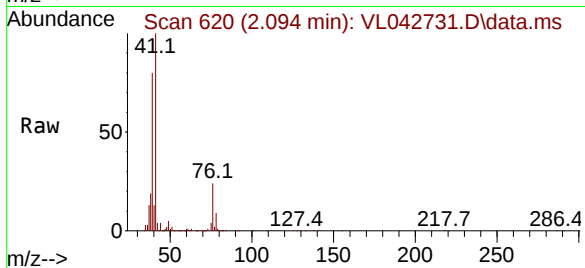
ICVVL072225

Tgt Ion: 41 Resp: 9984
 Ion Ratio Lower Upper
 41 100
 76 25.8 22.1 33.1
 39 81.9 64.7 97.1

Manual Integrations

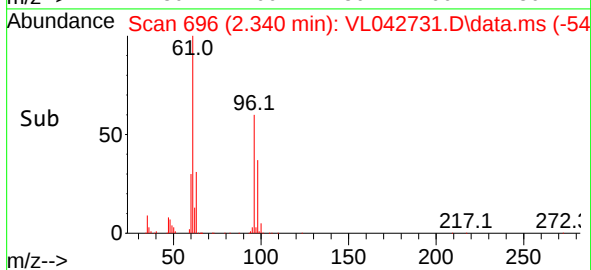
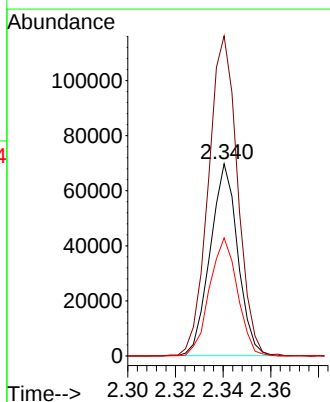
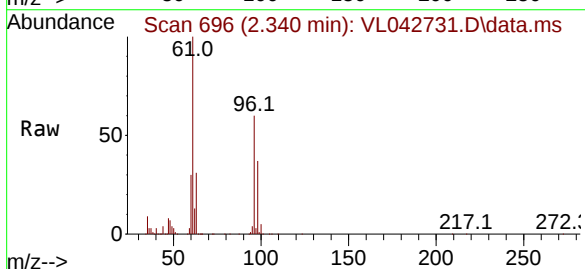
APPROVED

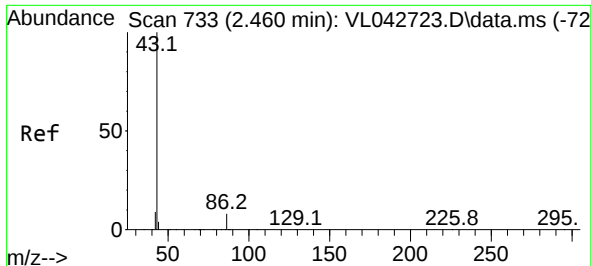
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#22
 trans-1,2-Dichloroethene
 Concen: 8.826 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

Tgt Ion: 96 Resp: 55870
 Ion Ratio Lower Upper
 96 100
 61 166.3 154.6 232.0
 98 61.5 53.1 79.7





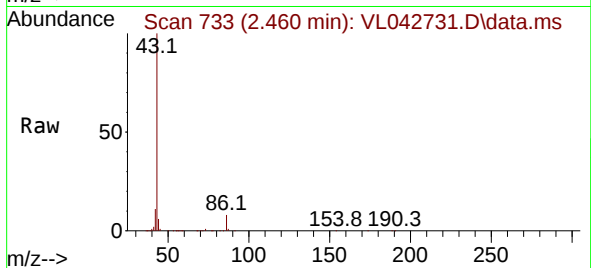
#23
 Vinyl Acetate
 Concen: 9.479 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

ICVVL072225

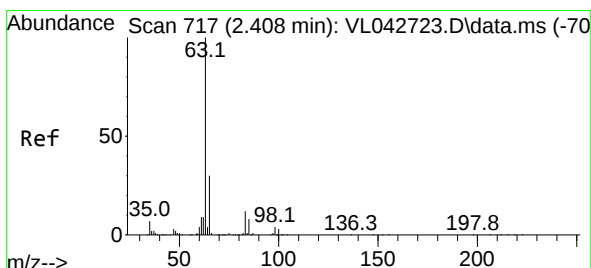
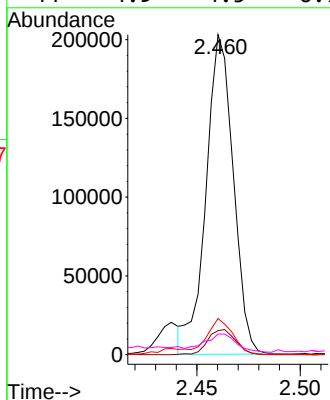
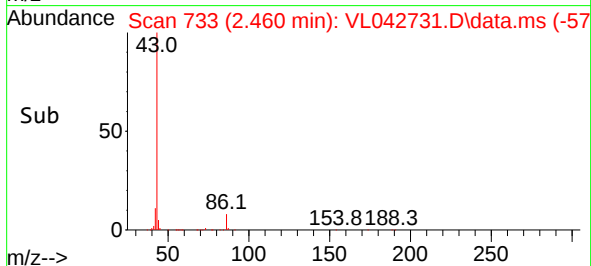


Tgt Ion: 43 Resp: 186778
 Ion Ratio Lower Upper
 43 100
 86 7.5 5.7 8.5
 42 11.1 7.9 11.9
 44 4.9 4.5 6.7

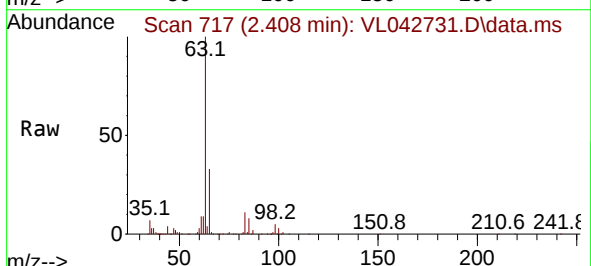
Manual Integrations

APPROVED

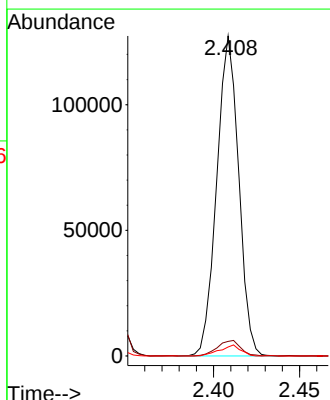
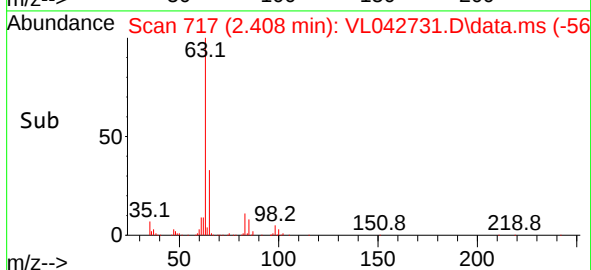
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

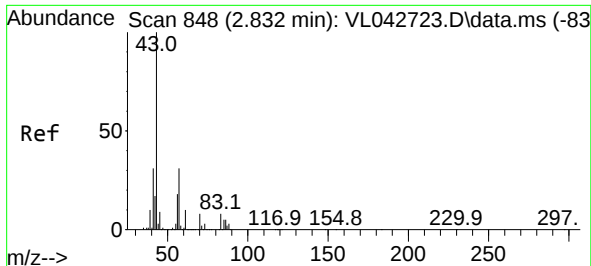


#24
 1,1-Dichloroethane
 Concen: 8.938 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06



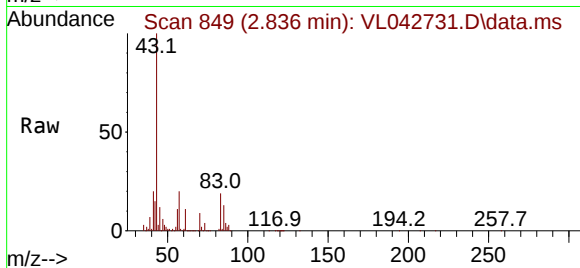
Tgt Ion: 63 Resp: 113158
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.0 5.8
 100 2.8 1.6 4.7





#25
Ethyl Acetate
Concen: 9.094 ppbv
RT: 2.836 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

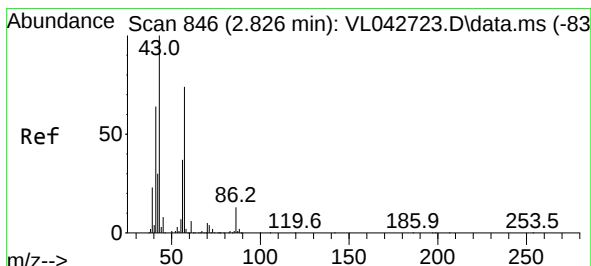
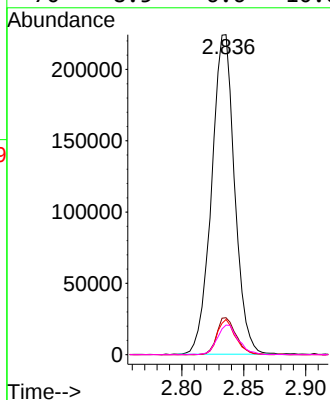
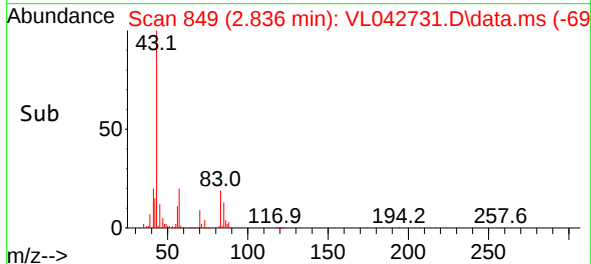
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072225



Tgt Ion: 43 Resp: 290054
Ion Ratio Lower Upper
43 100
45 9.8 7.8 11.6
61 8.9 7.0 10.6
70 8.5 6.6 10.0

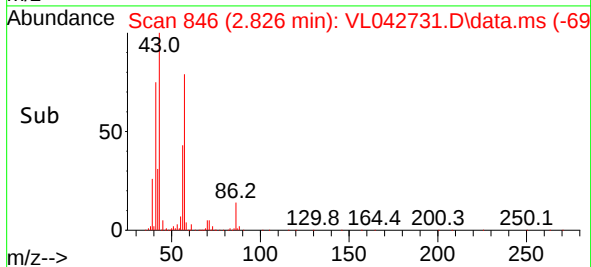
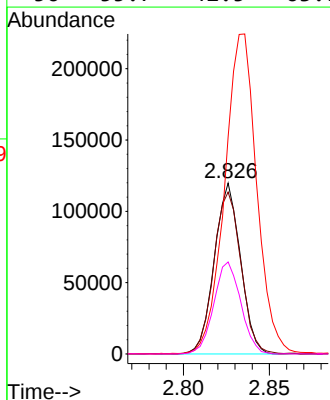
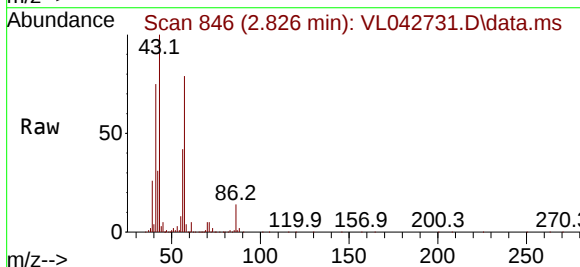
Manual Integrations
APPROVED

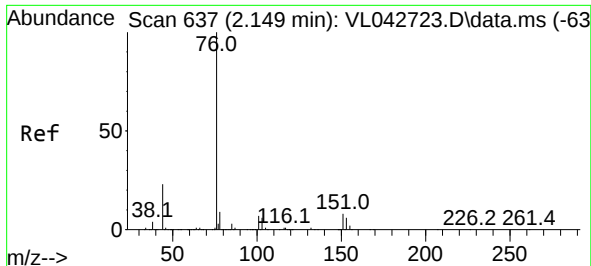
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#26
Hexane
Concen: 9.045 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

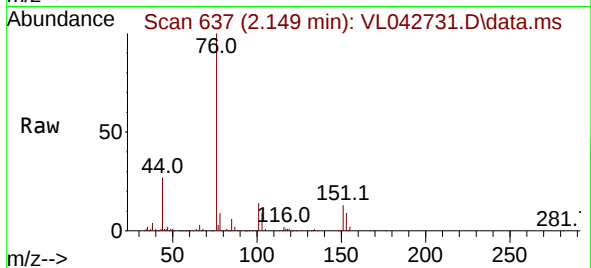
Tgt Ion: 57 Resp: 126560
Ion Ratio Lower Upper
57 100
41 99.5 77.3 115.9
43 230.6 182.3 273.5
56 55.7 42.5 63.7





#27
Carbon Disulfide
Concen: 8.956 ppbv
RT: 2.149 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

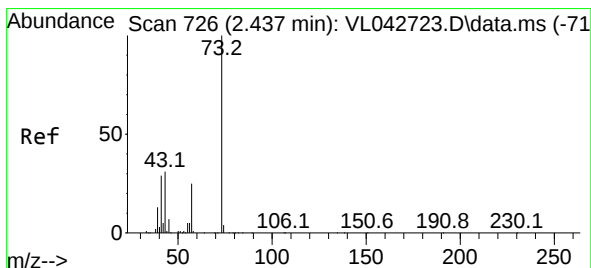
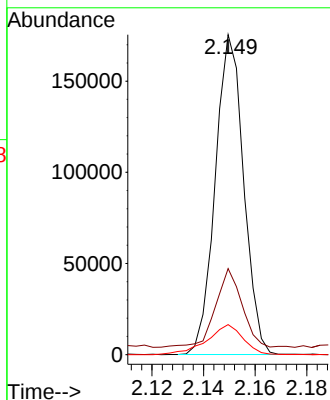
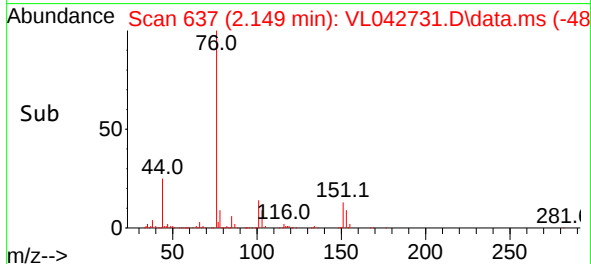
Instrument : MSVOA_L
ClientSampleId : ICVVL072225



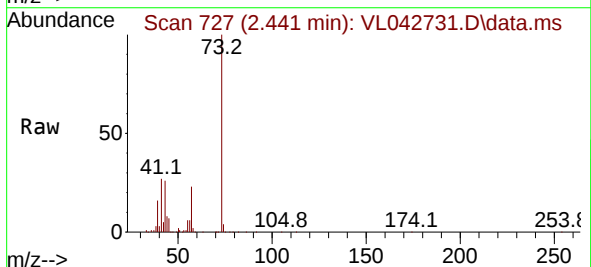
Tgt Ion: 76 Resp: 133849
Ion Ratio Lower Upper
76 100
44 23.4 18.8 28.2
78 12.0 9.5 14.3

Manual Integrations
APPROVED

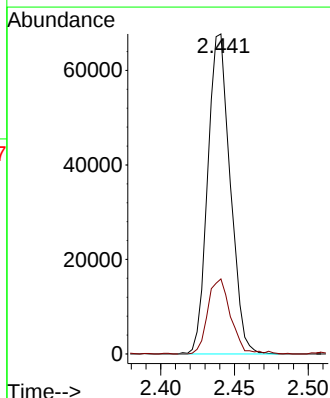
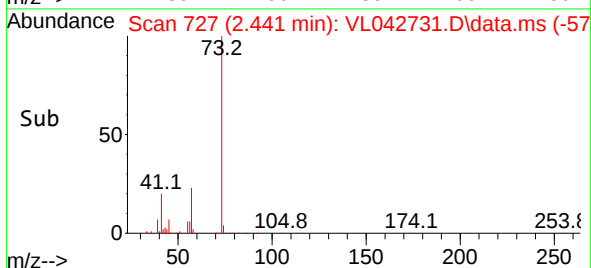
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

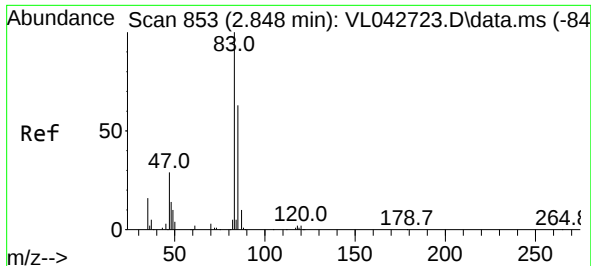


#28
Methyl tert-Butyl Ether
Concen: 8.817 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06



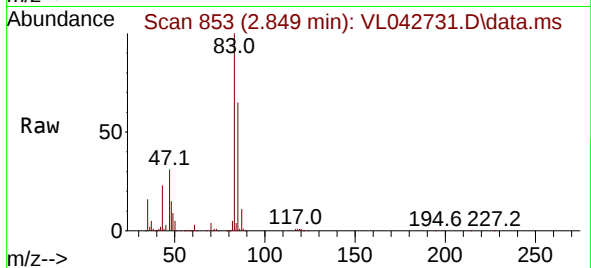
Tgt Ion: 73 Resp: 71716
Ion Ratio Lower Upper
73 100
57 24.0 19.8 29.8





#29
Chloroform
Concen: 9.085 ppbv
RT: 2.849 min Scan# 853
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

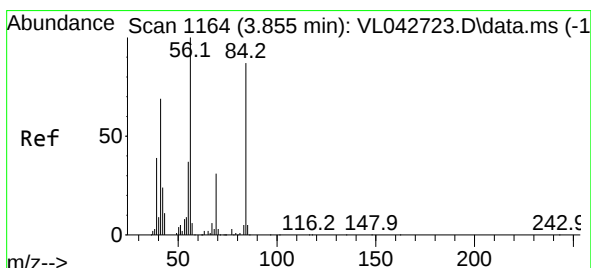
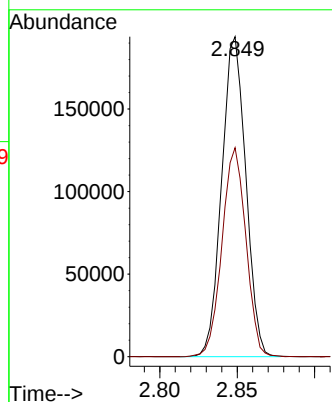
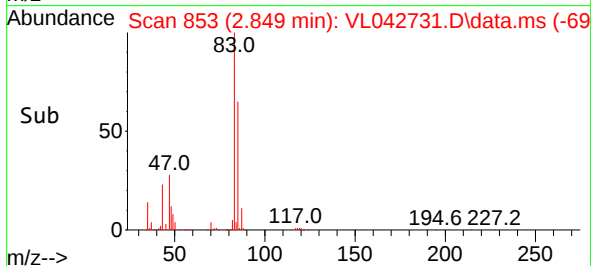
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072225



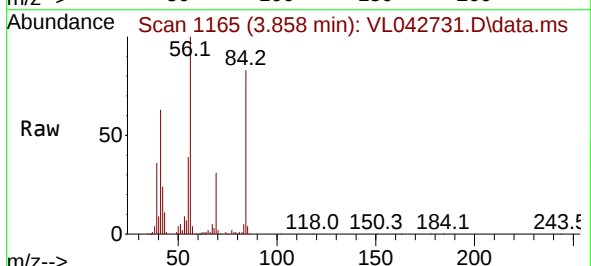
Tgt Ion: 83 Resp: 209911
Ion Ratio Lower Upper
83 100
85 65.3 50.9 76.3

Manual Integrations
APPROVED

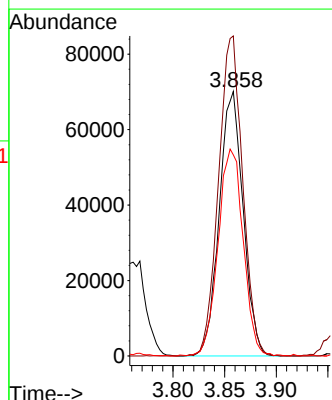
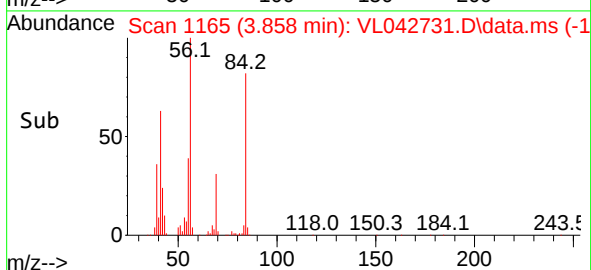
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

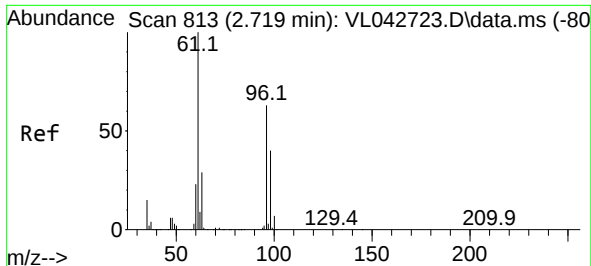


#30
Cyclohexane
Concen: 9.245 ppbv
RT: 3.858 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06



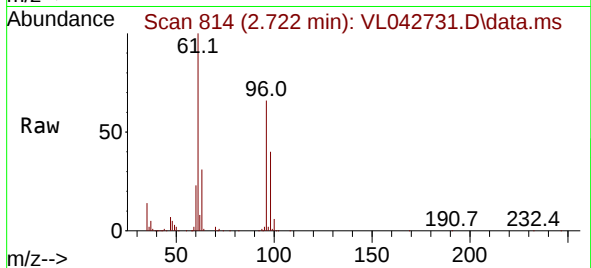
Tgt Ion: 84 Resp: 112878
Ion Ratio Lower Upper
84 100
56 122.1 94.2 141.4
41 82.4 66.4 99.6





#31
 cis-1,2-Dichloroethene
 Concen: 9.153 ppbv
 RT: 2.722 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

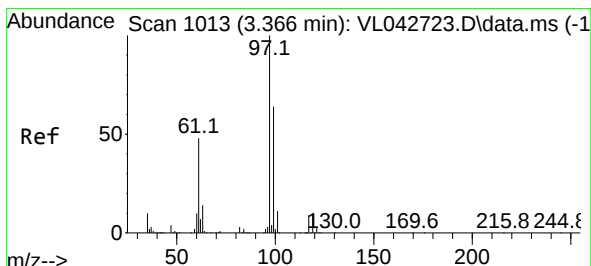
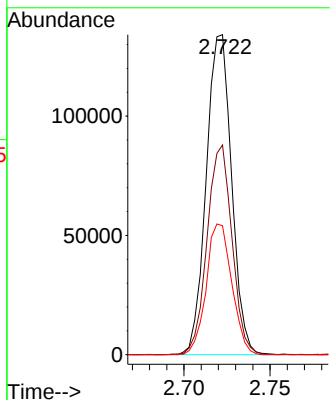
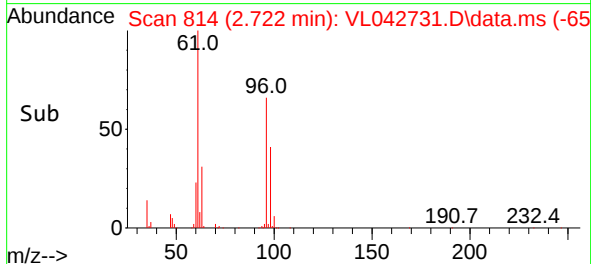
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072225



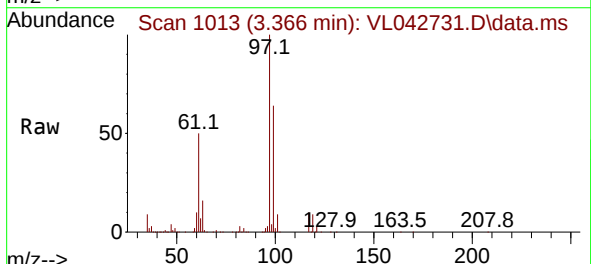
Tgt Ion: 61 Resp: 13790
 Ion Ratio Lower Upper
 61 100
 96 65.5 50.6 75.8
 98 40.3 32.2 48.2

Manual Integrations
 APPROVED

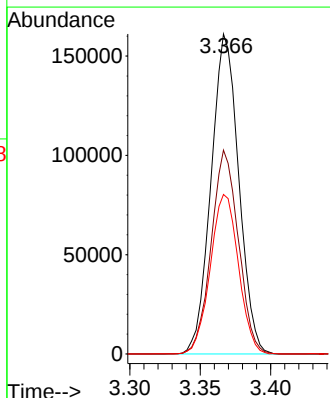
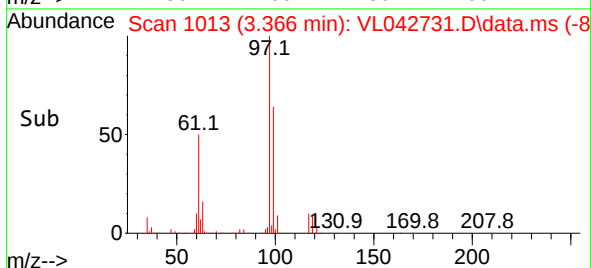
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

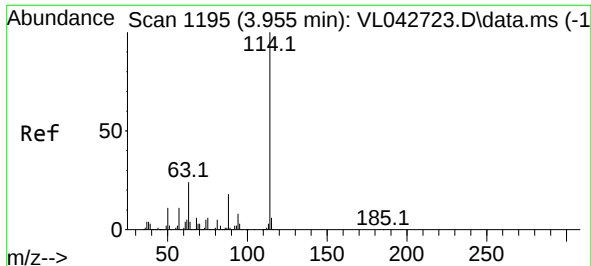


#32
 1,1,1-Trichloroethane
 Concen: 9.073 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06



Tgt Ion: 97 Resp: 220748
 Ion Ratio Lower Upper
 97 100
 99 62.6 51.4 77.0
 61 50.8 39.6 59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

ICVVL072225

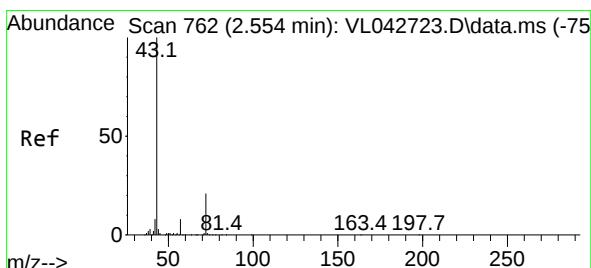
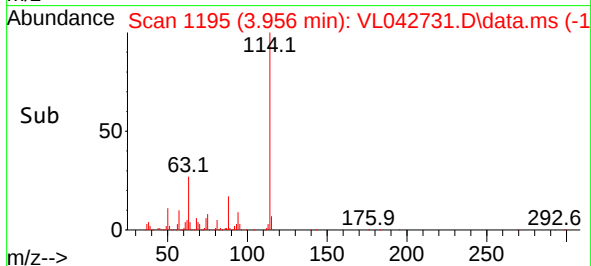
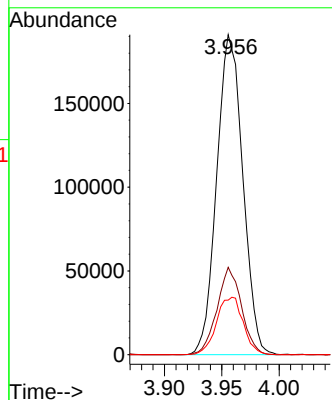
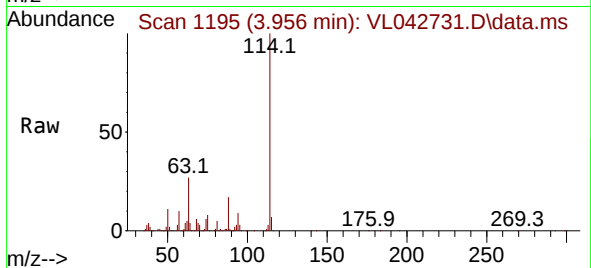
Tgt Ion:114 Resp: 302238

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.4	30.6
88	18.4	14.5	21.7

Manual Integrations

APPROVED

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



#34

2-Butanone

Concen: 9.349 ppbv

RT: 2.554 min Scan# 762

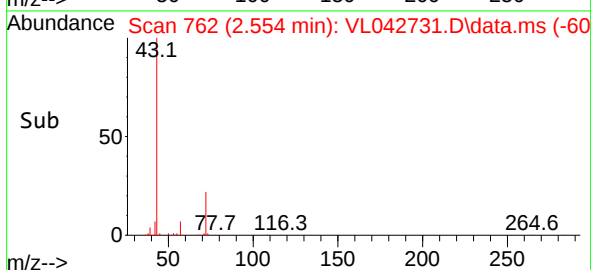
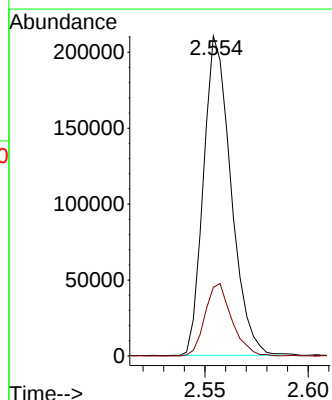
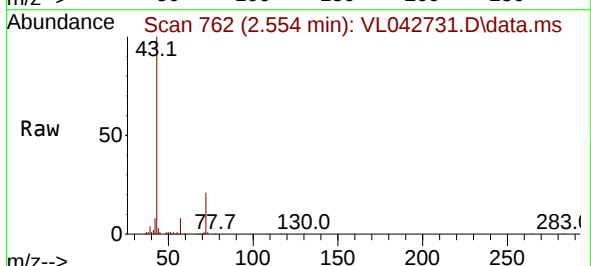
Delta R.T. 0.000 min

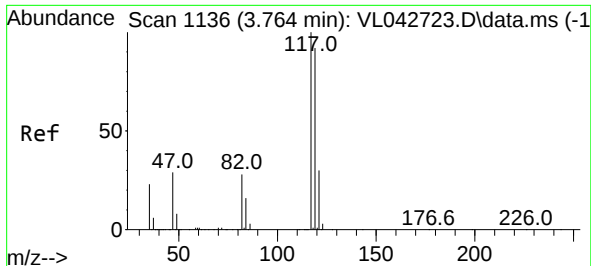
Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Tgt Ion: 43 Resp: 194585

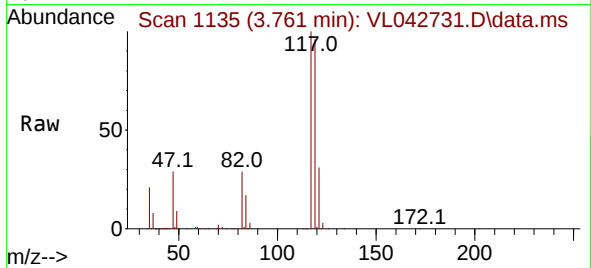
Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.0	25.6





#35
Carbon Tetrachloride
Concen: 9.202 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. -0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

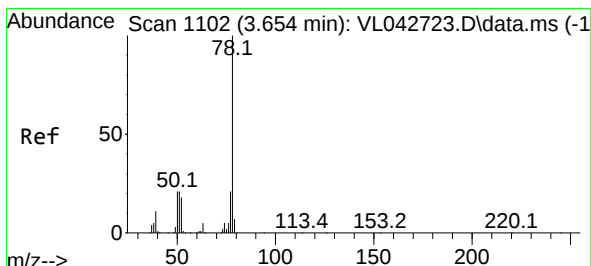
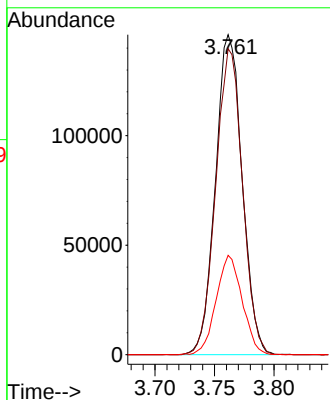
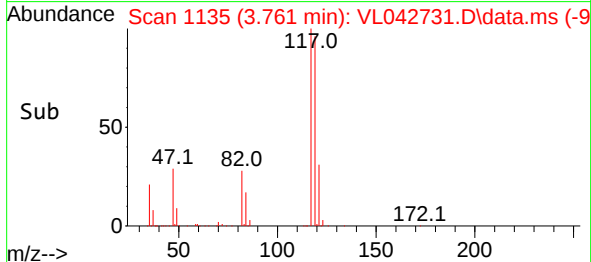
Instrument : MSVOA_L
ClientSampleId : ICVVL072225



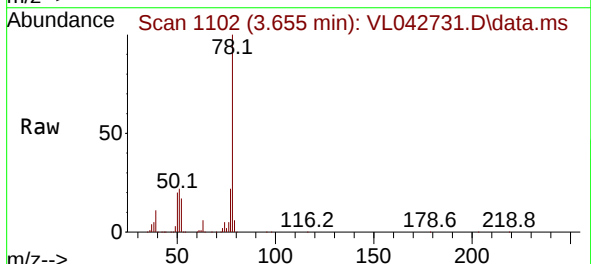
Tgt Ion: 117 Resp: 22788
Ion Ratio Lower Upper
117 100
119 95.6 73.7 110.5
121 31.0 23.8 35.8

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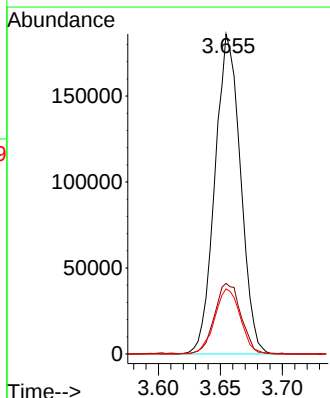
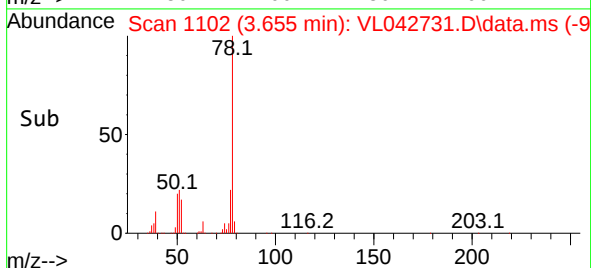
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

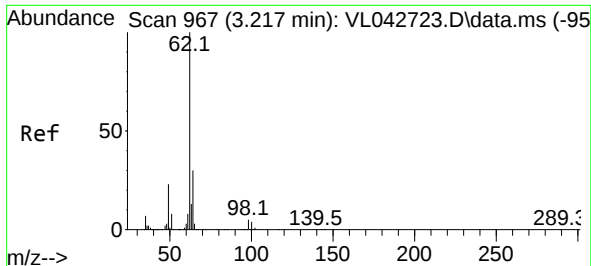


#36
Benzene
Concen: 9.524 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06



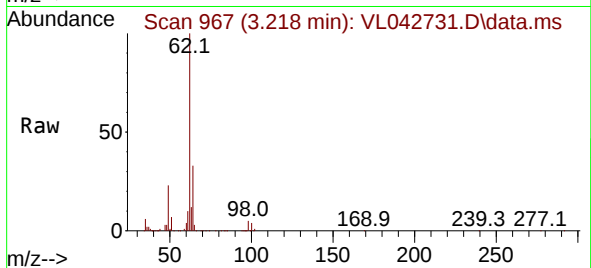
Tgt Ion: 78 Resp: 267416
Ion Ratio Lower Upper
78 100
77 22.0 17.0 25.4
50 20.3 16.9 25.3





#37
1,2-Dichloroethane
Concen: 9.701 ppbv
RT: 3.218 min Scan# 967
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

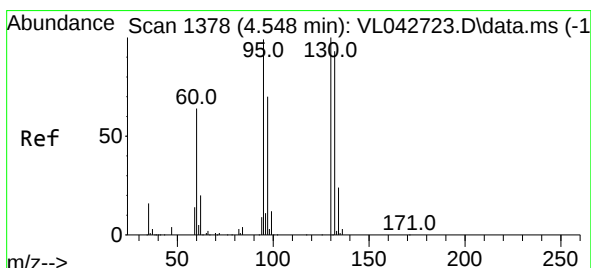
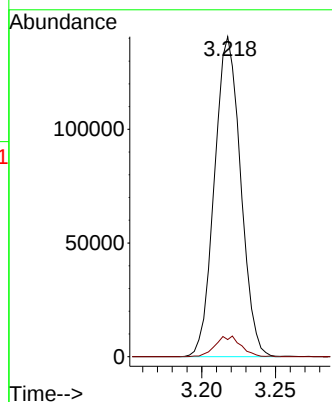
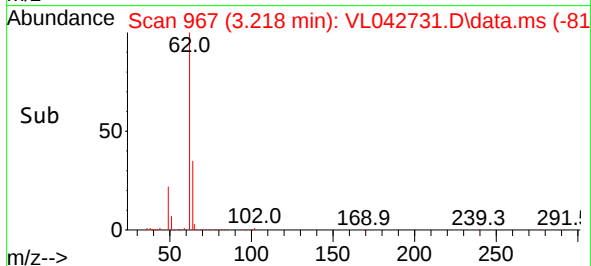
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072225



Tgt Ion: 62 Resp: 173758
Ion Ratio Lower Upper
62 100
98 6.3 4.8 7.2

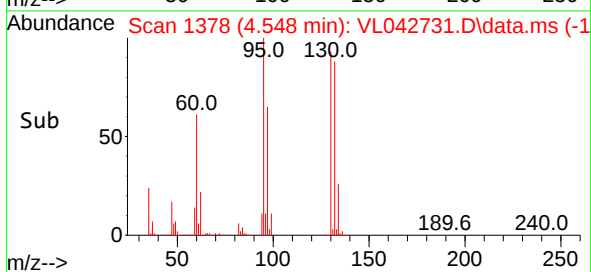
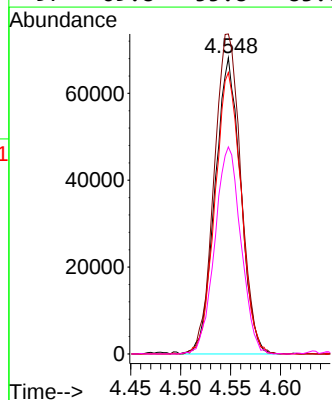
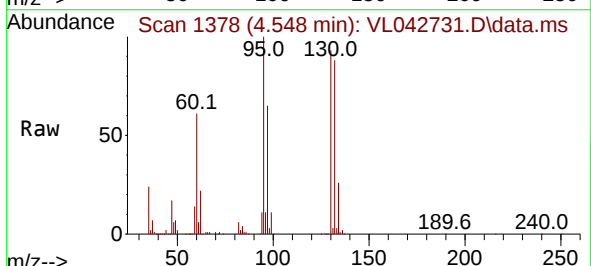
Manual Integrations
APPROVED

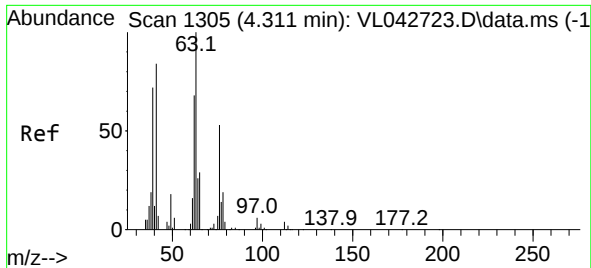
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#38
Trichloroethene
Concen: 8.904 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

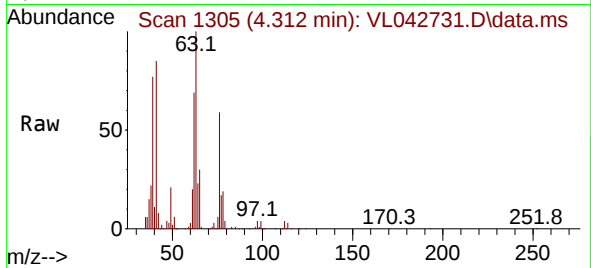
Tgt Ion:130 Resp: 121878
Ion Ratio Lower Upper
130 100
95 108.0 79.2 118.8
132 94.9 74.1 111.1
97 69.8 55.8 83.6





#39
1,2-Dichloropropane
Concen: 9.178 ppbv
RT: 4.312 min Scan# 1305
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

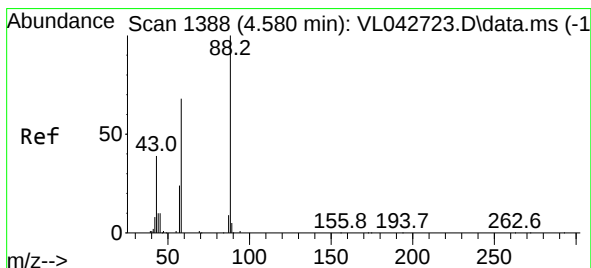
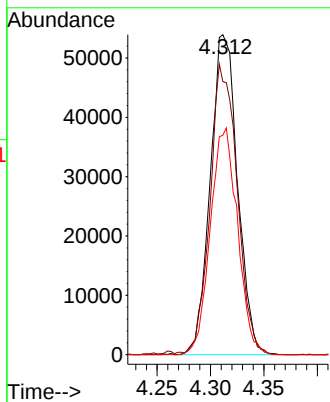
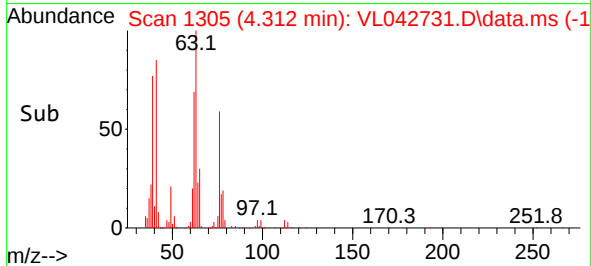
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072225



Tgt Ion: 63 Resp: 9595
Ion Ratio Lower Upper
63 100
41 85.2 67.7 101.5
62 68.6 54.1 81.1

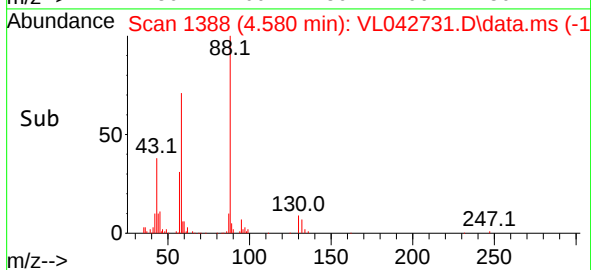
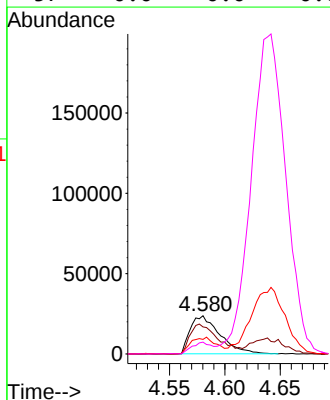
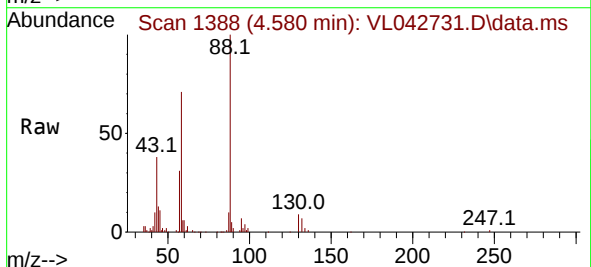
Manual Integrations
APPROVED

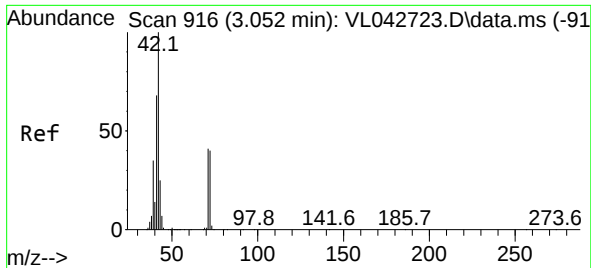
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#40
1,4-Dioxane
Concen: 8.895 ppbv
RT: 4.580 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

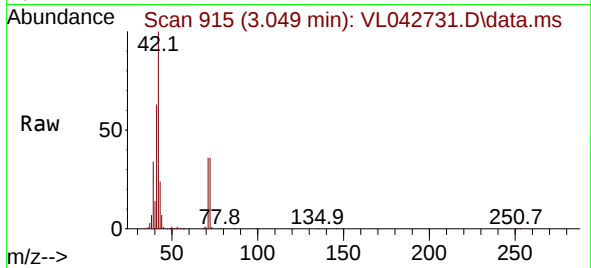
Tgt Ion: 88 Resp: 44298
Ion Ratio Lower Upper
88 100
58 75.2 59.8 89.8
43 35.1 32.6 48.8
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 9.797 ppbv
RT: 3.049 min Scan# 916
Delta R.T. -0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

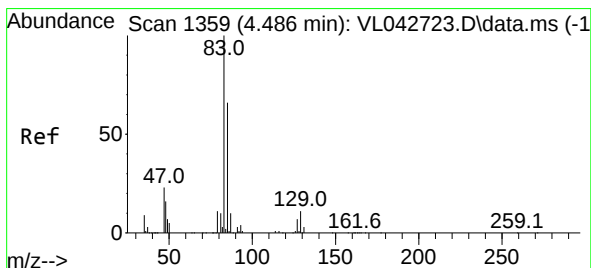
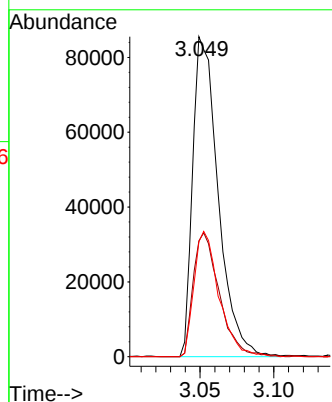
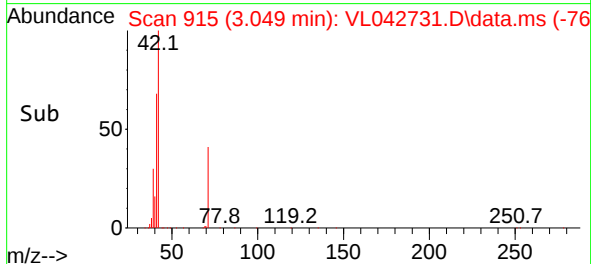
Instrument : MSVOA_L
ClientSampleId : ICVVL072225



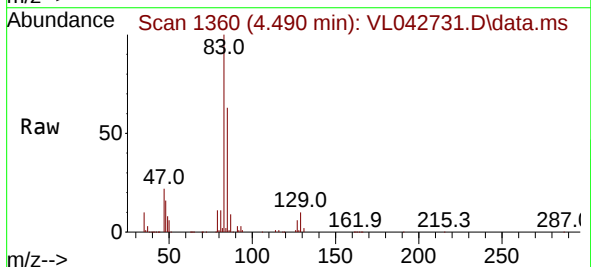
Tgt Ion: 42 Resp: 102809
Ion Ratio Lower Upper
42 100
72 39.7 32.2 48.2
71 38.6 29.8 44.6

Manual Integrations
APPROVED

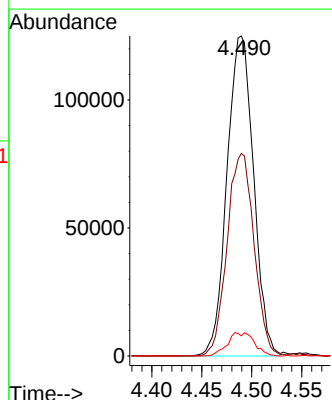
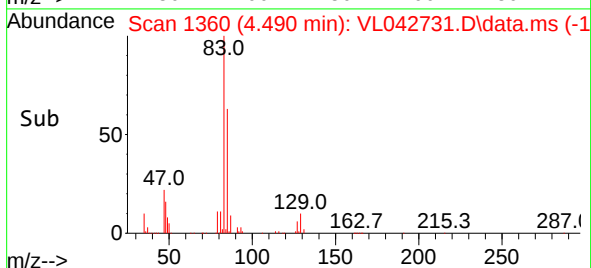
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

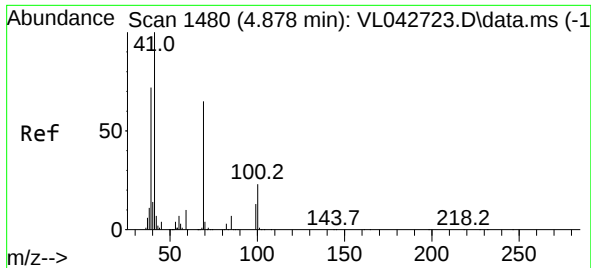


#42
Bromodichloromethane
Concen: 9.879 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06



Tgt Ion: 83 Resp: 231463
Ion Ratio Lower Upper
83 100
85 63.3 52.6 78.8
127 6.3 6.0 9.0





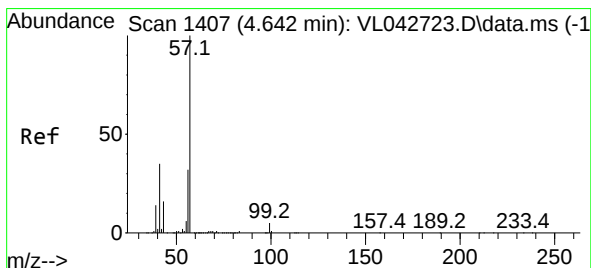
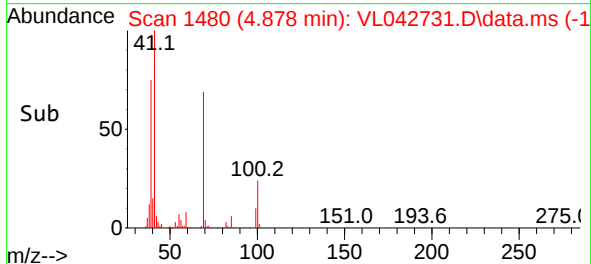
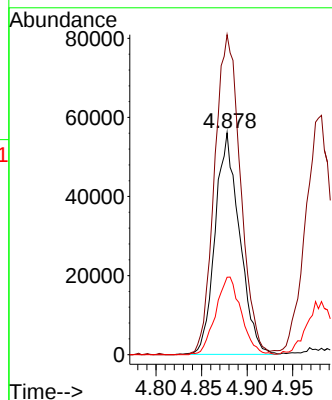
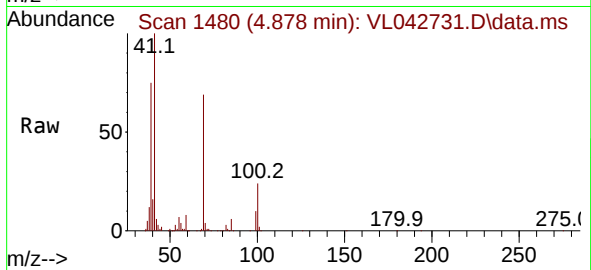
#43
Methyl Methacrylate
Concen: 9.663 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Instrument : MSVOA_L
ClientSampleId : ICVVL072225

Tgt Ion: 69 Resp: 10423
Ion Ratio Lower Upper
69 100
41 153.9 125.8 188.6
100 36.8 29.9 44.9

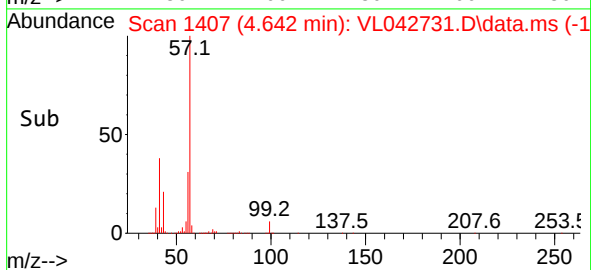
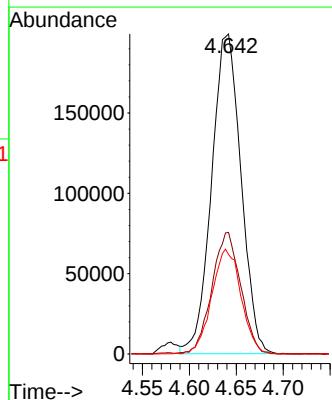
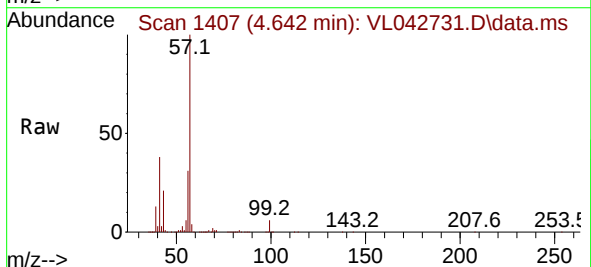
Manual Integrations
APPROVED

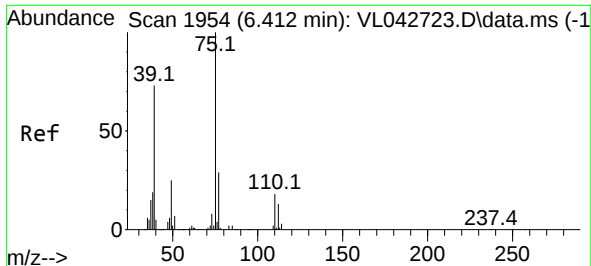
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#44
2,2,4-Trimethylpentane
Concen: 9.411 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Tgt Ion: 57 Resp: 433727
Ion Ratio Lower Upper
57 100
41 37.5 29.4 44.0
56 32.7 26.1 39.1





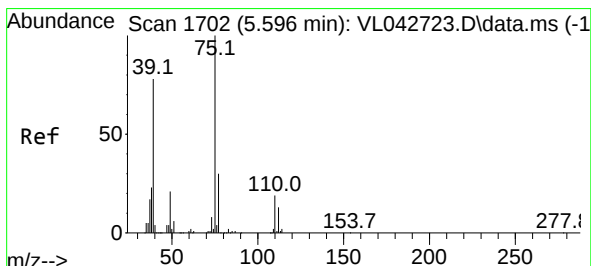
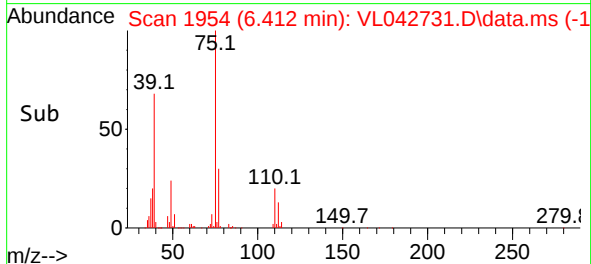
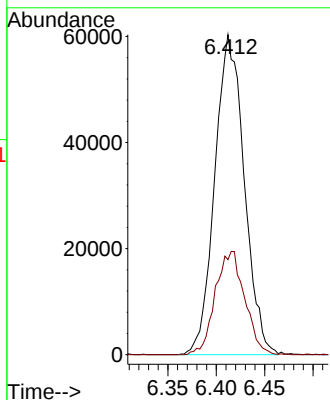
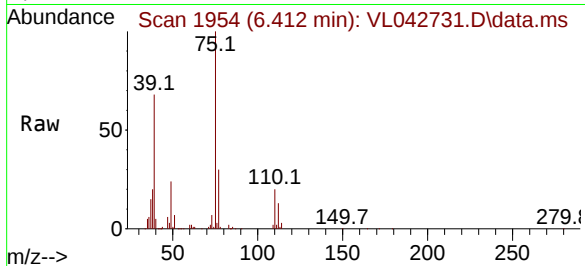
#45
 t-1,3-Dichloropropene
 Concen: 9.641 ppbv
 RT: 6.412 min Scan# 1954
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072225

Tgt Ion: 75 Resp: 127678
 Ion Ratio Lower Upper
 75 100
 77 29.7 23.0 34.6

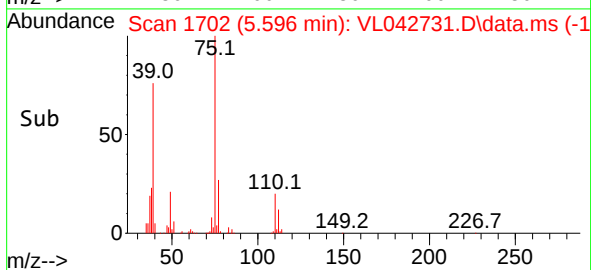
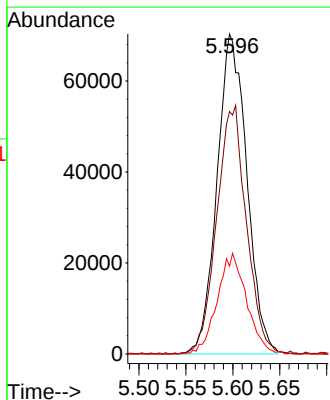
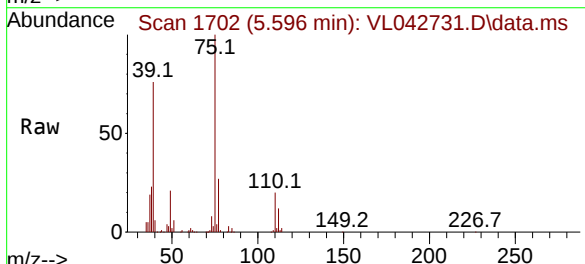
Manual Integrations
 APPROVED

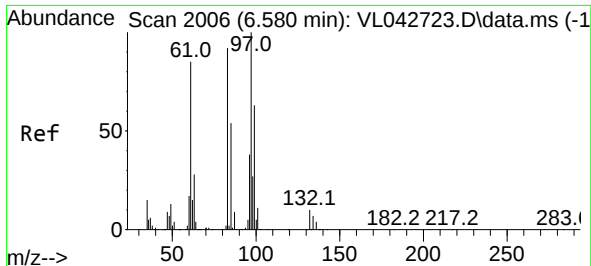
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#46
 cis-1,3-Dichloropropene
 Concen: 9.842 ppbv
 RT: 5.596 min Scan# 1702
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

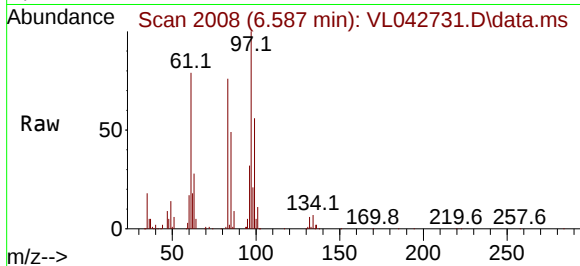
Tgt Ion: 75 Resp: 155049
 Ion Ratio Lower Upper
 75 100
 39 75.8 62.1 93.1
 77 27.4 24.0 36.0





#47
1,1,2-Trichloroethane
Concen: 9.079 ppbv
RT: 6.587 min Scan# 2006
Delta R.T. 0.007 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

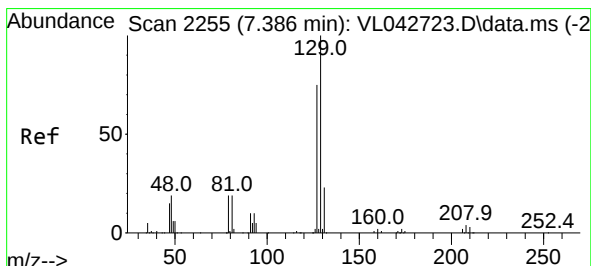
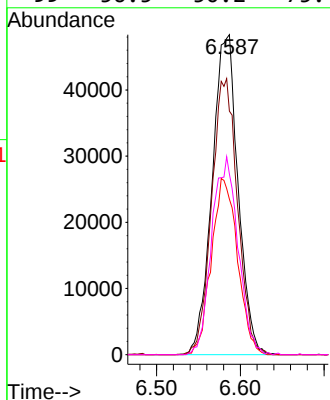
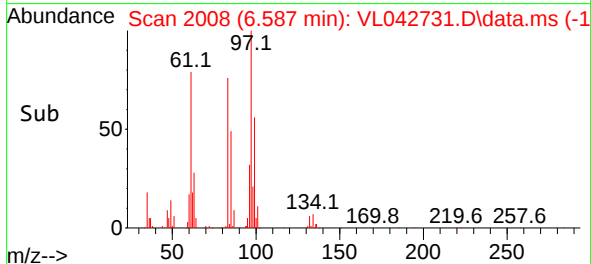
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072225



Tgt Ion: 97 Resp: 104049
Ion Ratio Lower Upper
97 100
83 76.1 73.2 109.8
85 48.6 42.7 64.1
99 56.5 50.2 75.4

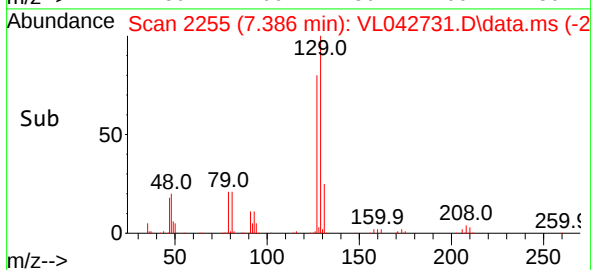
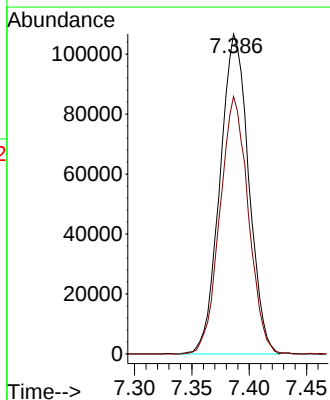
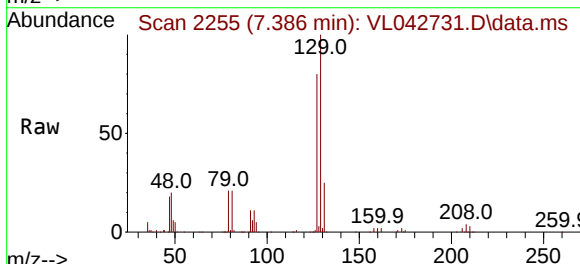
Manual Integrations
APPROVED

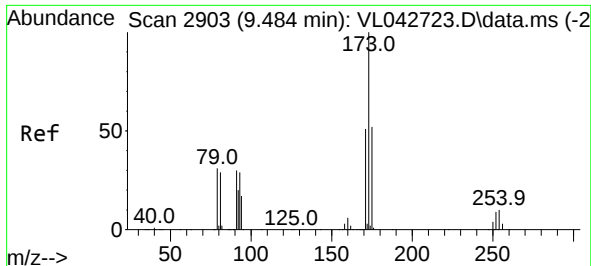
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#48
Dibromochloromethane
Concen: 9.788 ppbv
RT: 7.386 min Scan# 2255
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

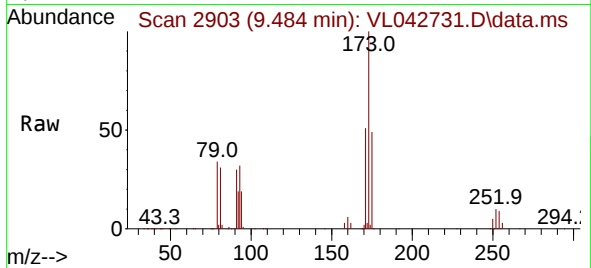
Tgt Ion:129 Resp: 186331
Ion Ratio Lower Upper
129 100
127 79.6 39.1 117.3





#49
Bromoform
Concen: 9.950 ppbv
RT: 9.484 min Scan# 2903
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

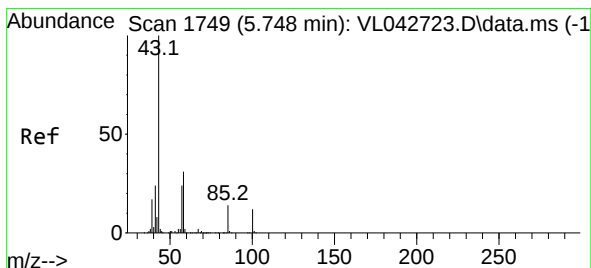
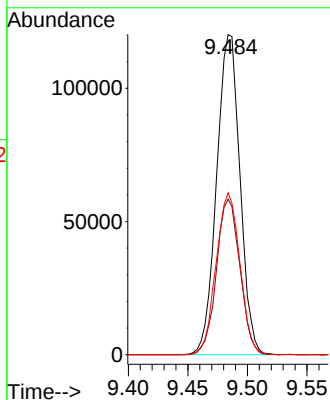
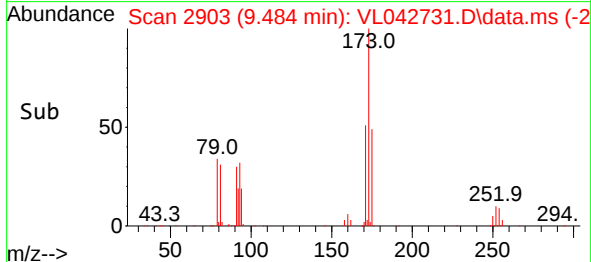
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072225



Tgt Ion:173 Resp: 16354
Ion Ratio Lower Upper
173 100
175 48.7 38.9 58.3
171 51.6 41.1 61.7

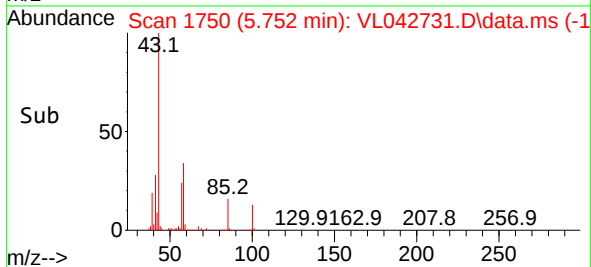
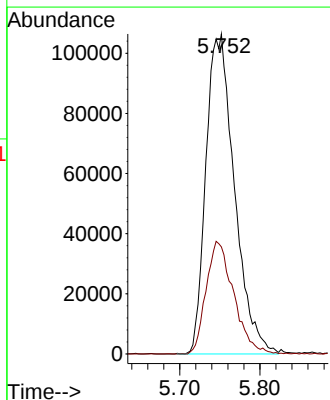
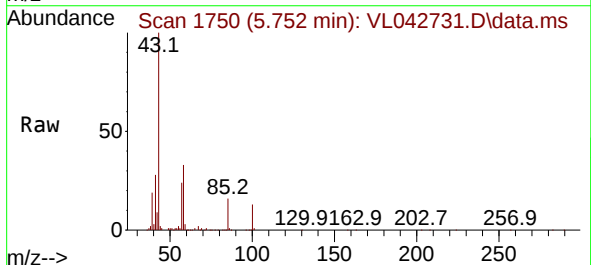
Manual Integrations
APPROVED

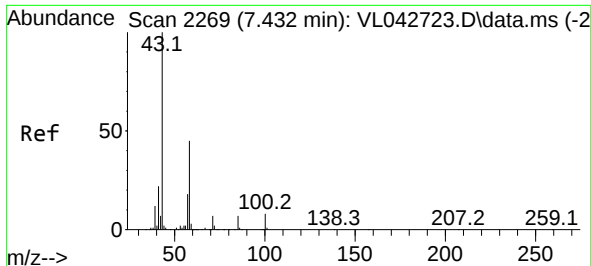
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#50
4-Methyl-2-Pentanone
Concen: 9.641 ppbv m
RT: 5.752 min Scan# 1750
Delta R.T. 0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

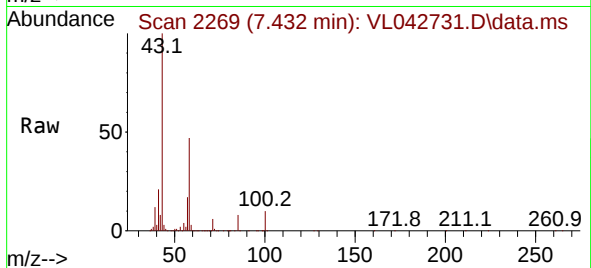
Tgt Ion: 43 Resp: 262948
Ion Ratio Lower Upper
43 100
58 0.0 27.6 41.4#





#51
2-Hexanone
Concen: 9.809 ppbv
RT: 7.432 min Scan# 21337
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

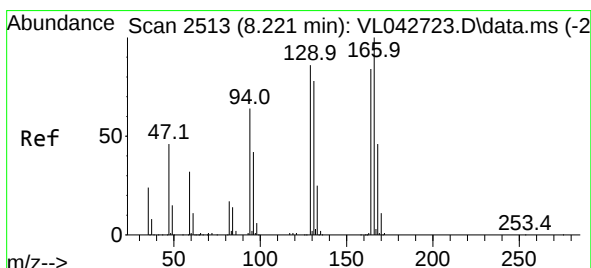
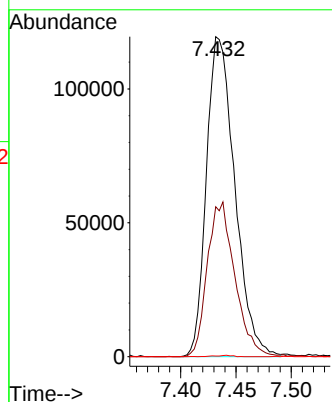
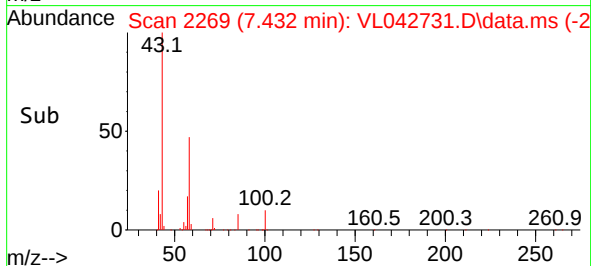
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072225



Tgt Ion: 43 Resp: 21337
Ion Ratio Lower Upper
43 100
58 47.2 37.9 56.9
98 0.3 0.2 0.2

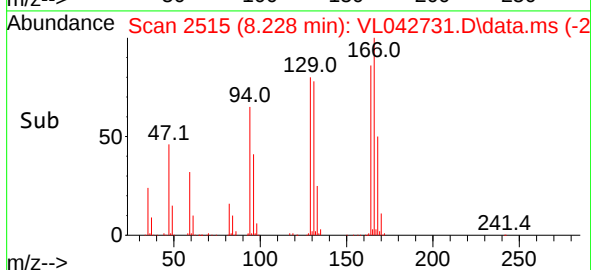
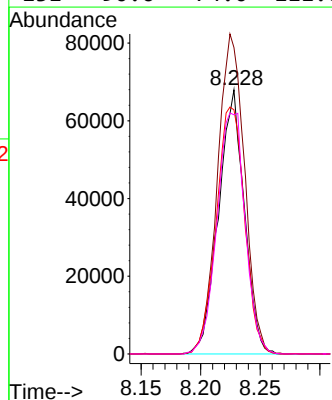
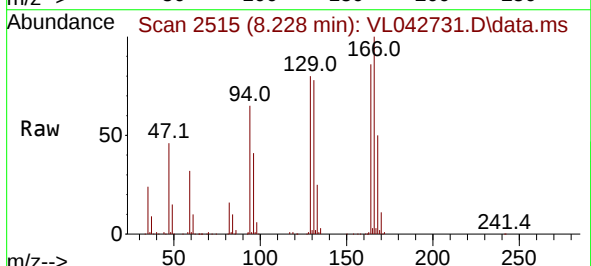
Manual Integrations
APPROVED

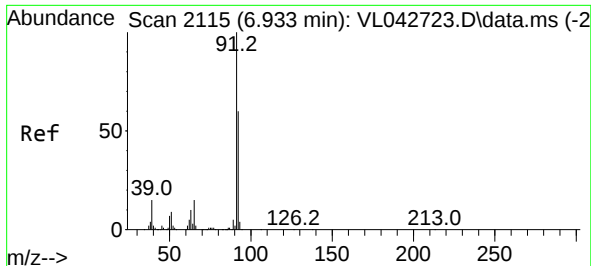
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#52
Tetrachloroethene
Concen: 9.047 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.007 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

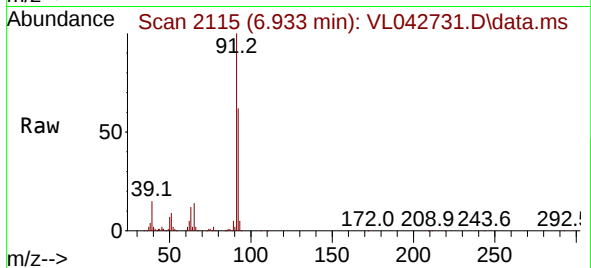
Tgt Ion:164 Resp: 102369
Ion Ratio Lower Upper
164 100
166 116.0 95.1 142.7
129 92.5 81.9 122.9
131 90.6 74.0 111.0





#53
Toluene
Concen: 9.593 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

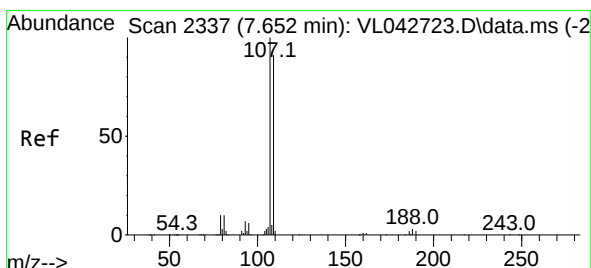
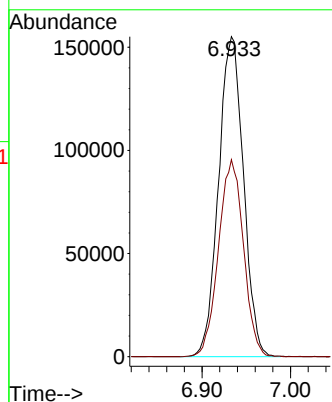
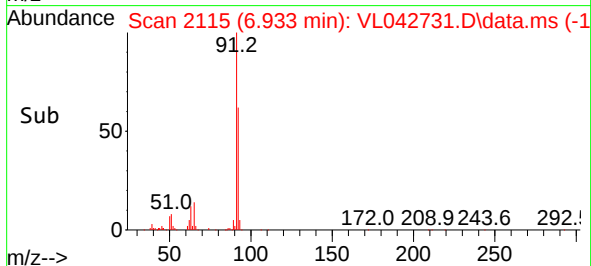
Instrument : MSVOA_L
ClientSampleId : ICVVL072225



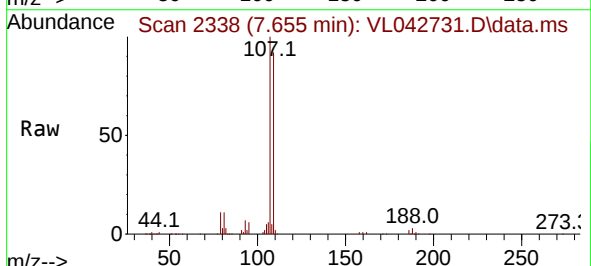
Tgt Ion: 91 Resp: 303714
Ion Ratio Lower Upper
91 100
92 61.6 48.2 72.4

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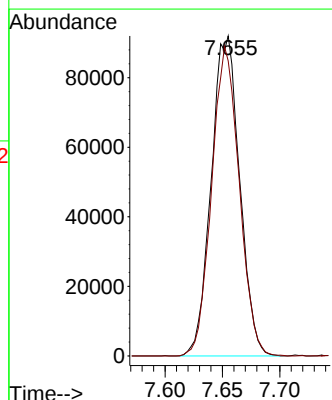
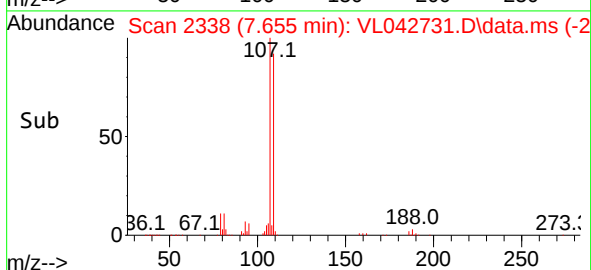
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

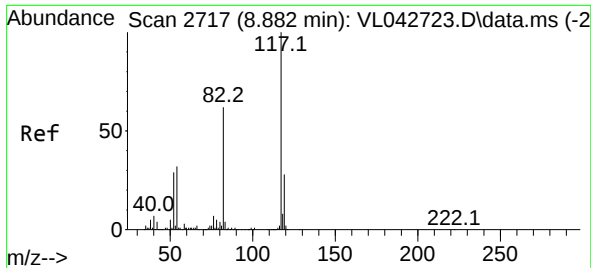


#54
1,2-Dibromoethane
Concen: 9.309 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06



Tgt Ion:107 Resp: 158768
Ion Ratio Lower Upper
107 100
109 92.1 72.5 108.7





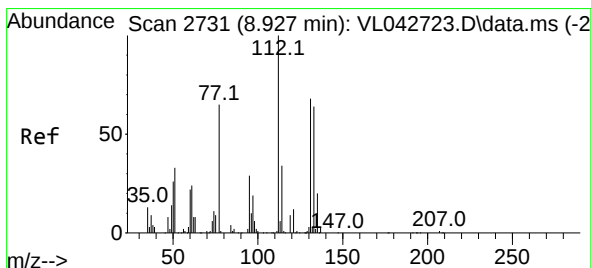
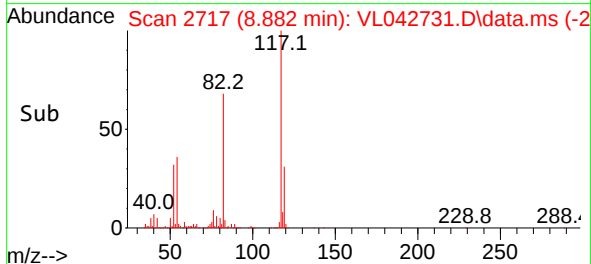
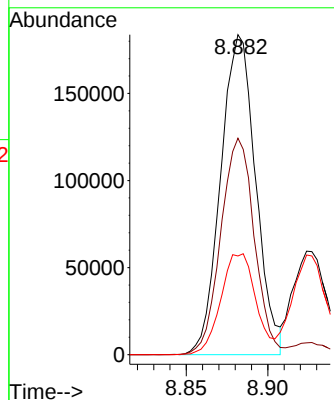
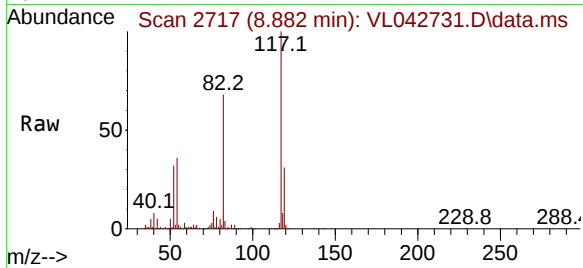
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072225

Tgt Ion:117 Resp: 27436
Ion Ratio Lower Upper
117 100
82 68.7 54.6 81.8
119 32.7 25.3 37.9

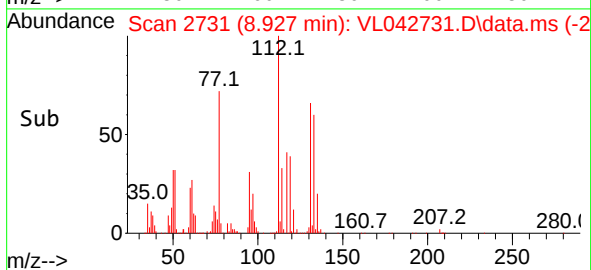
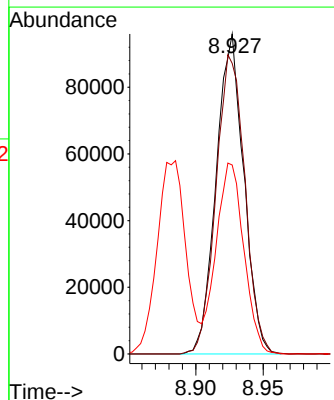
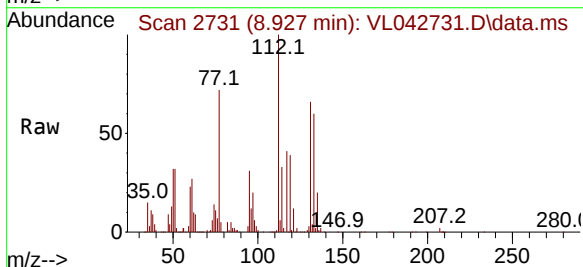
Manual Integrations
APPROVED

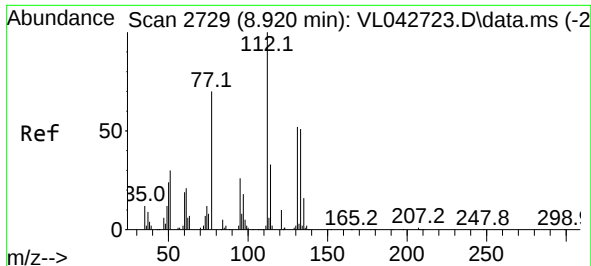
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 9.255 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

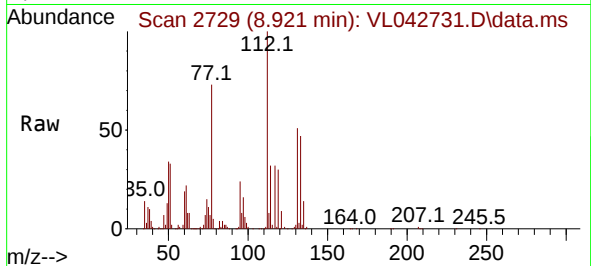
Tgt Ion:131 Resp: 136803
Ion Ratio Lower Upper
131 100
133 97.8 77.4 116.0
119 59.9 48.6 73.0





#57
Chlorobenzene
Concen: 9.150 ppbv
RT: 8.921 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

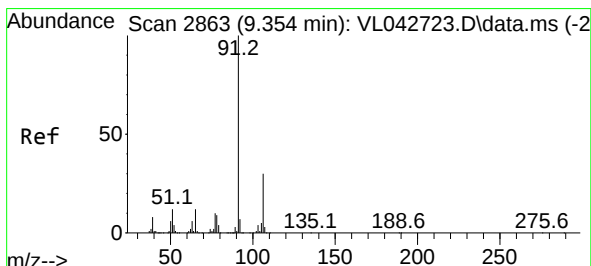
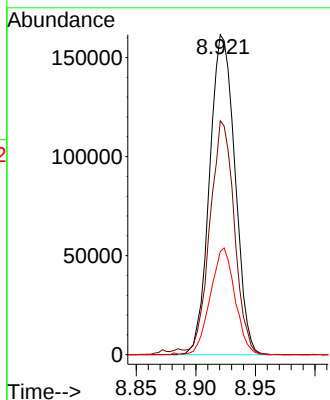
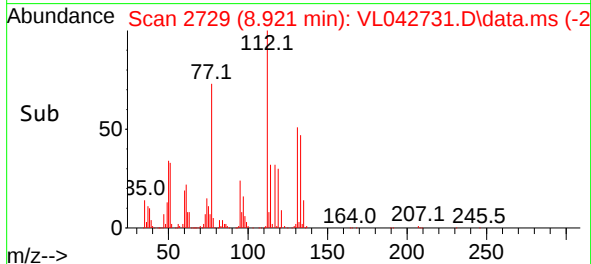
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072225



Tgt Ion:112 Resp: 239120
Ion Ratio Lower Upper
112 100
77 73.0 57.2 85.8
114 32.2 29.8 36.4

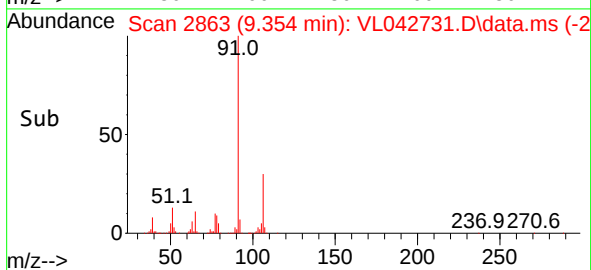
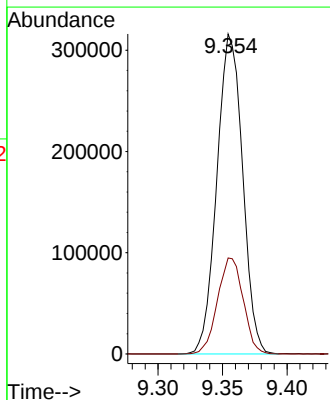
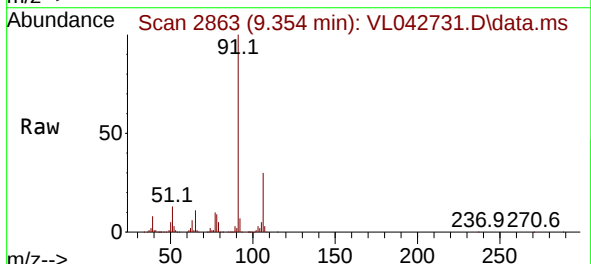
Manual Integrations
APPROVED

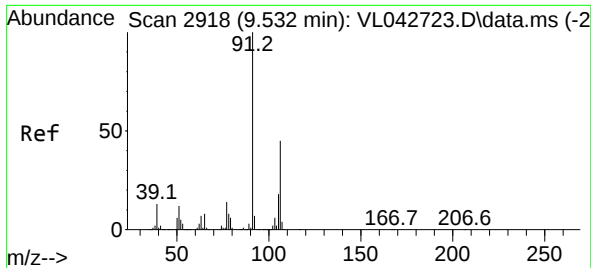
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#58
Ethyl Benzene
Concen: 9.539 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Tgt Ion: 91 Resp: 437222
Ion Ratio Lower Upper
91 100
106 30.0 23.7 35.5





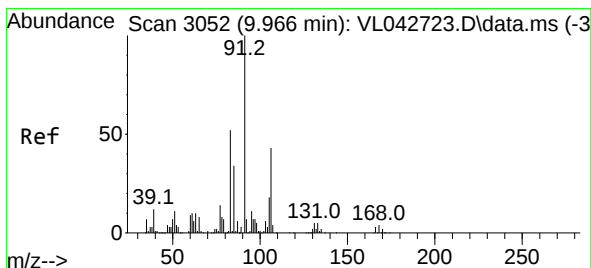
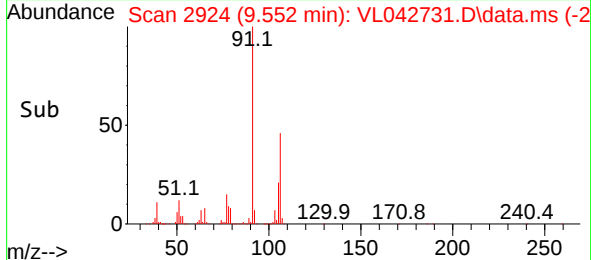
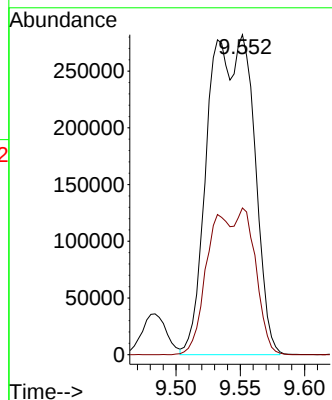
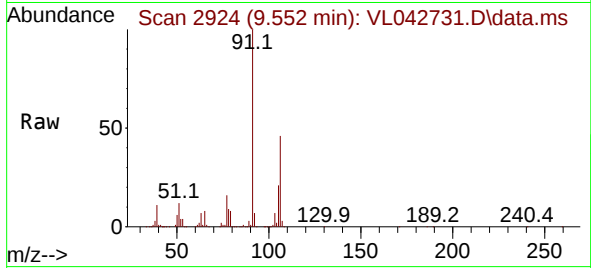
#59
m/p-Xylene
Concen: 19.196 ppbv m
RT: 9.552 min Scan# 2918
Delta R.T. 0.020 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072225

Tgt Ion: 91 Resp: 703809
Ion Ratio Lower Upper
91 100
106 0.0 37.3 55.9

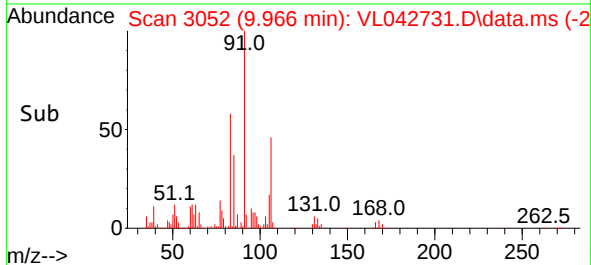
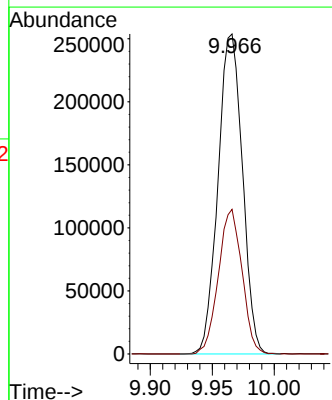
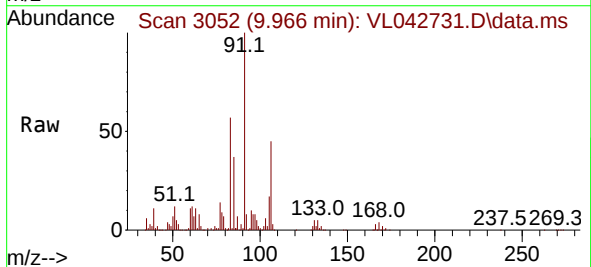
Manual Integrations
APPROVED

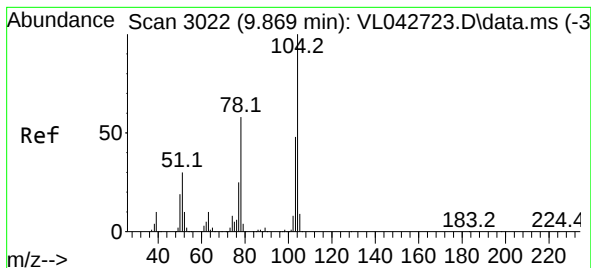
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#60
o-Xylene
Concen: 9.421 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Tgt Ion: 91 Resp: 348762
Ion Ratio Lower Upper
91 100
106 43.7 21.4 64.3





#61

Styrene

Concen: 9.714 ppbv

RT: 9.869 min Scan# 3022

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

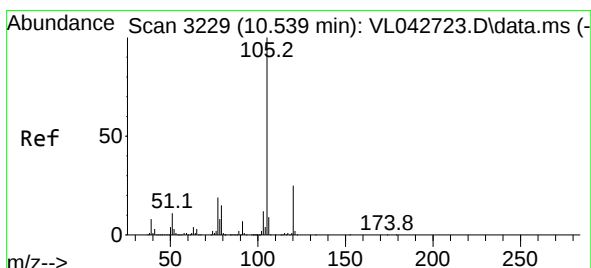
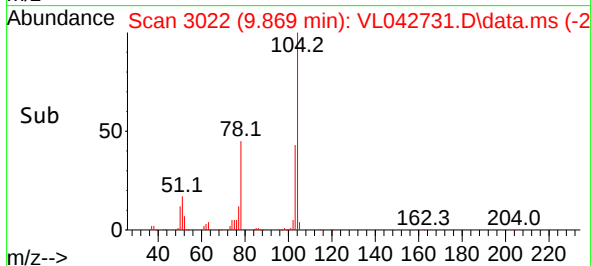
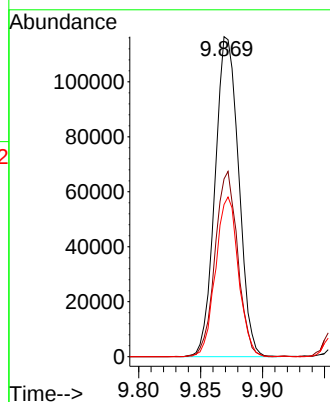
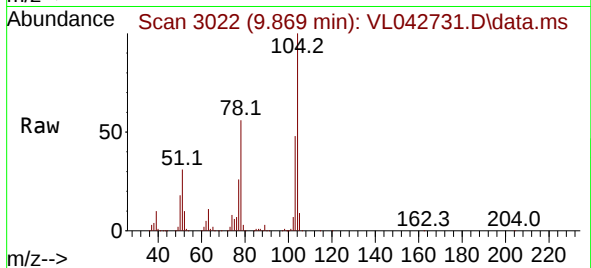
ICVVL072225

Tgt Ion:104 Resp: 154909
 Ion Ratio Lower Upper
 104 100
 78 55.5 43.4 65.2
 103 48.4 37.8 56.6

Manual Integrations

APPROVED

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



#62

Isopropylbenzene

Concen: 9.418 ppbv

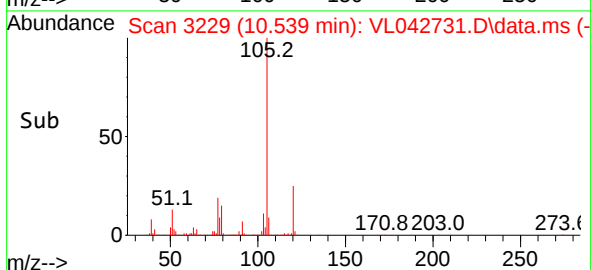
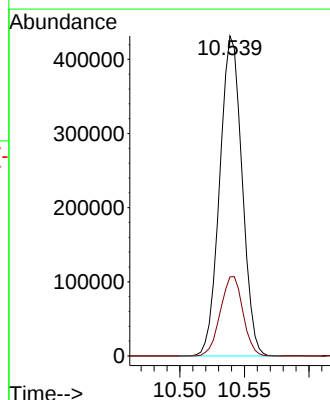
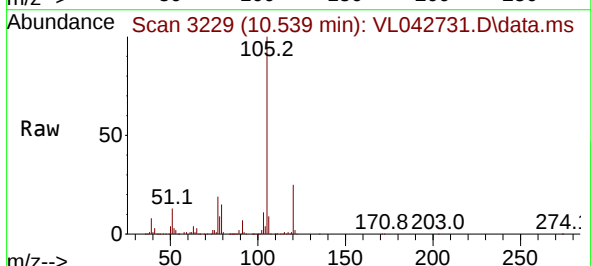
RT: 10.539 min Scan# 3229

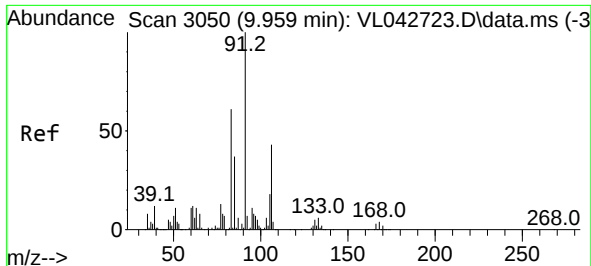
Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Tgt Ion:105 Resp: 518317
 Ion Ratio Lower Upper
 105 100
 120 25.1 20.2 30.2





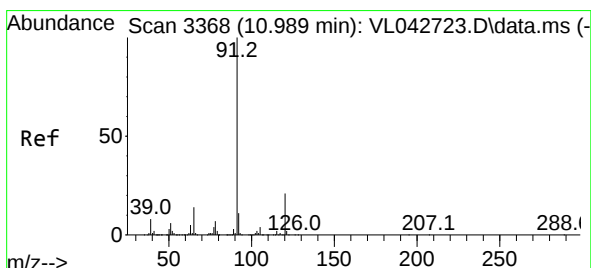
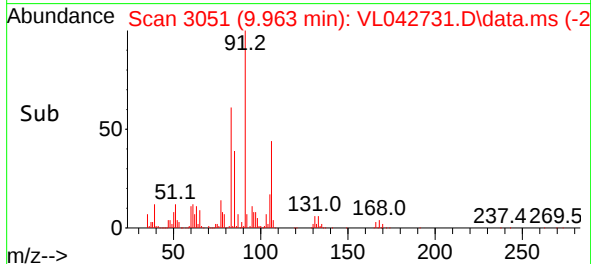
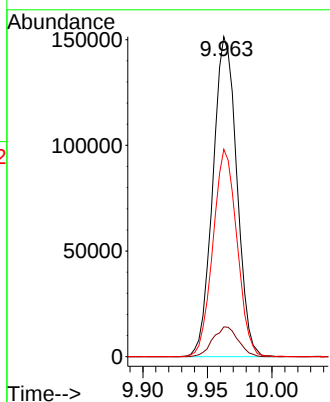
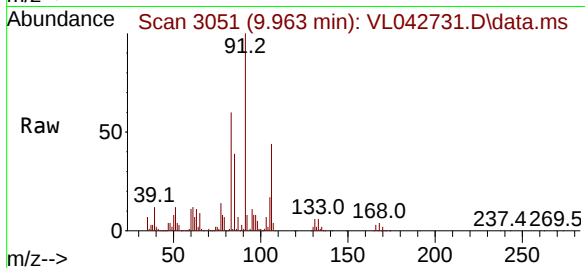
#63
1,1,2,2-Tetrachloroethane
Concen: 9.208 ppbv
RT: 9.963 min Scan# 3050
Delta R.T. 0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Instrument : MSVOA_L
ClientSampleId : ICVVL072225

Tgt Ion: 83 Resp: 194900
Ion Ratio Lower Upper
83 100
131 9.9 5.2 15.6
85 65.0 32.1 96.5

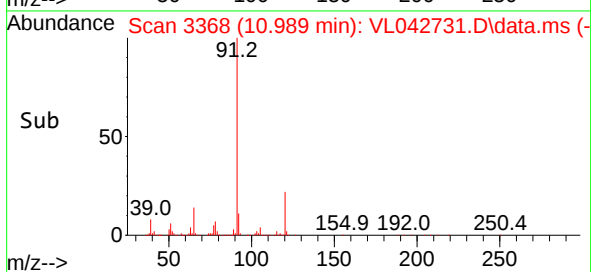
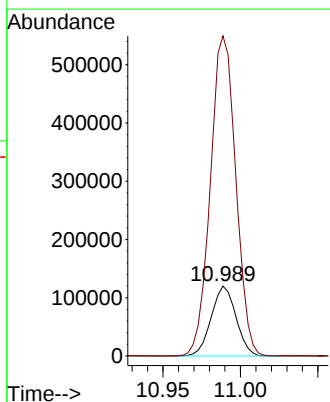
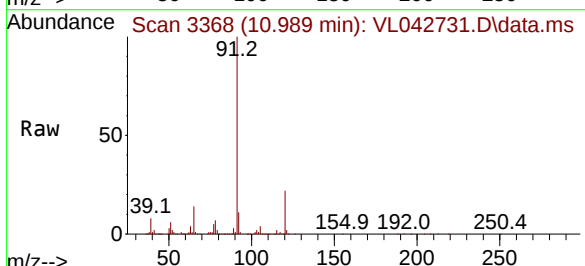
Manual Integrations
APPROVED

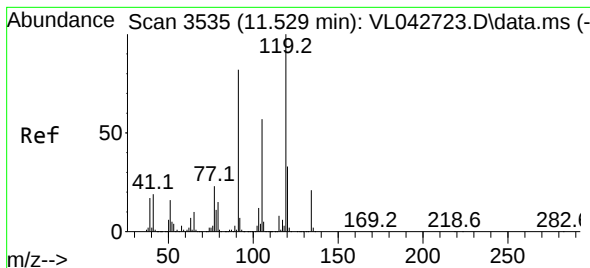
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#64
n-propylbenzene
Concen: 9.590 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

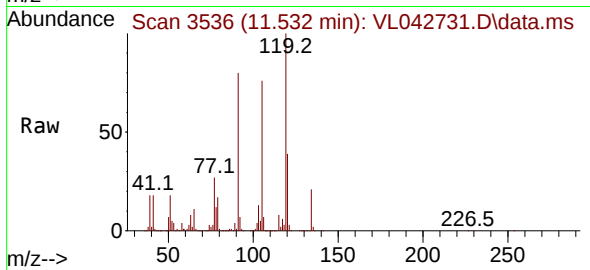
Tgt Ion:120 Resp: 133130
Ion Ratio Lower Upper
120 100
91 471.8 377.4 566.0





#65
tert-Butylbenzene
Concen: 9.301 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

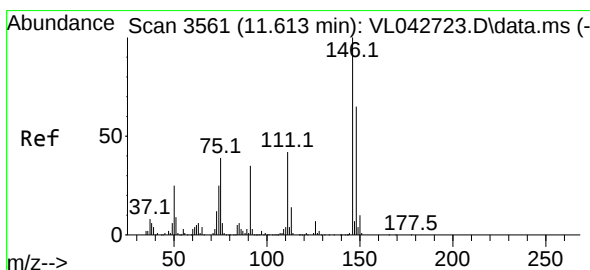
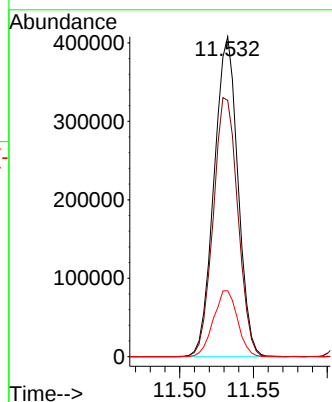
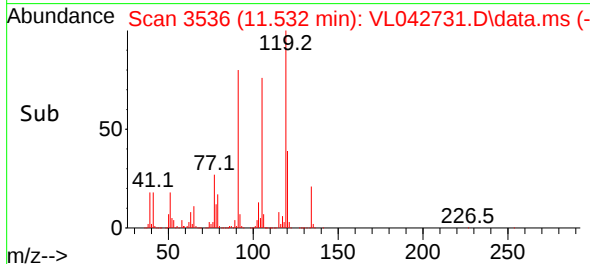
Instrument : MSVOA_L
ClientSampleId : ICVVL072225



Tgt Ion: 119 Resp: 458035
Ion Ratio Lower Upper
119 100
91 83.6 66.5 99.7
134 20.9 16.7 25.1

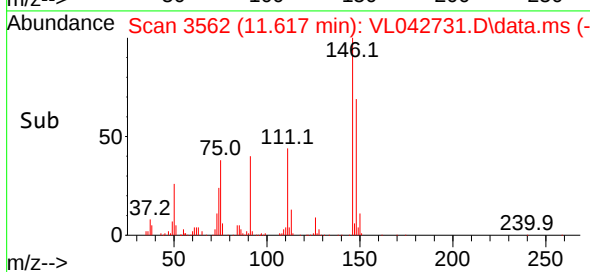
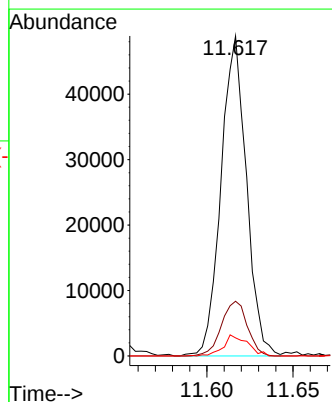
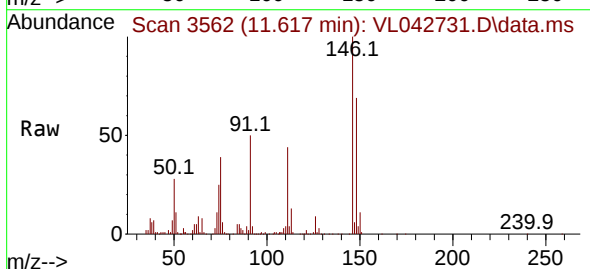
Manual Integrations
APPROVED

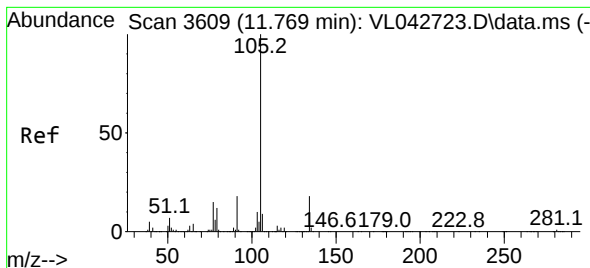
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#66
Benzyl Chloride
Concen: 10.713 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

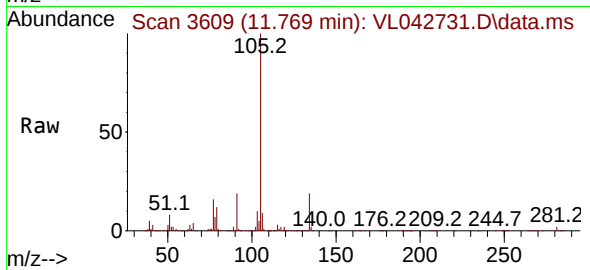
Tgt Ion: 91 Resp: 50184
Ion Ratio Lower Upper
91 100
126 17.5 15.0 22.4
128 6.3 5.0 7.6





#67
 sec-Butylbenzene
 Concen: 9.372 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

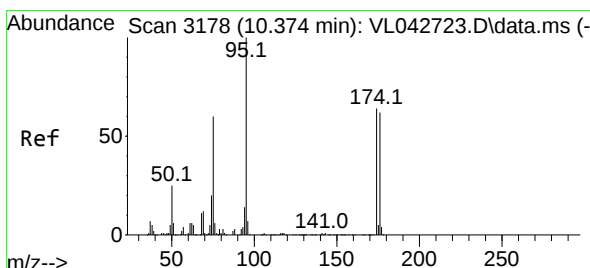
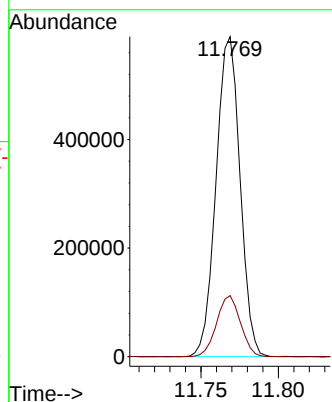
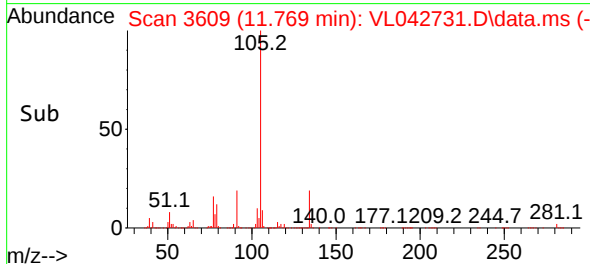
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072225



Tgt Ion:105 Resp: 633972
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.0 22.4

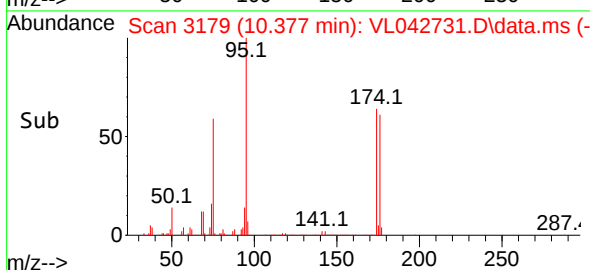
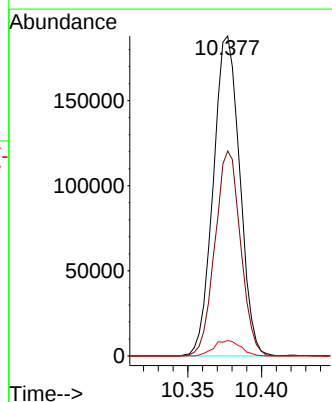
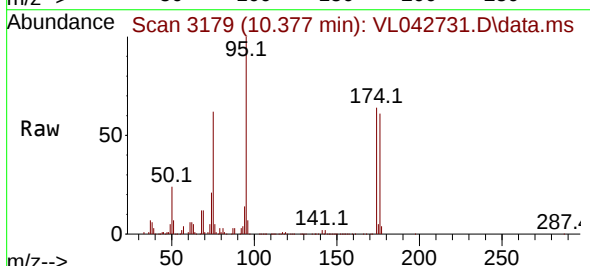
Manual Integrations
 APPROVED

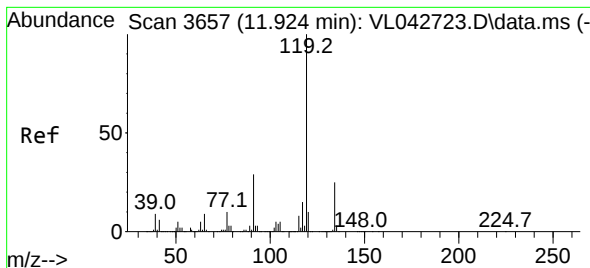
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.583 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.003 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

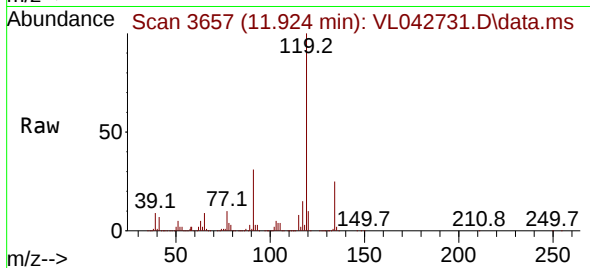
Tgt Ion: 95 Resp: 234672
 Ion Ratio Lower Upper
 95 100
 174 62.0 51.4 77.2
 175 4.9 4.2 6.4





#69
p-Isopropyltoluene
Concen: 9.690 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

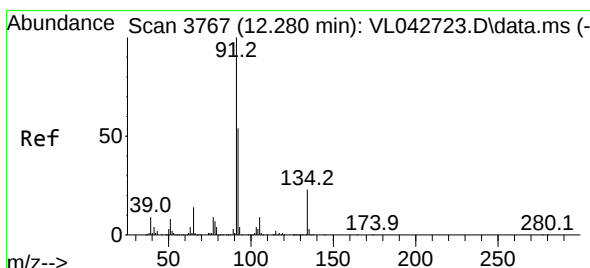
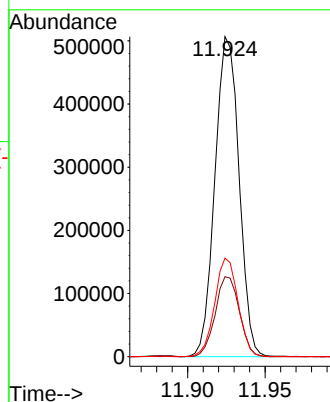
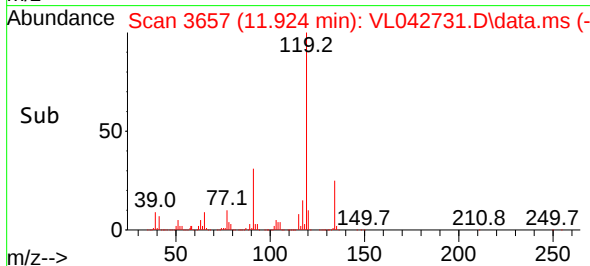
Instrument : MSVOA_L
ClientSampleId : ICVVL072225



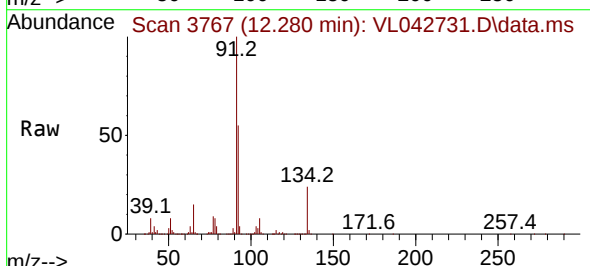
Tgt Ion:119 Resp: 549049
Ion Ratio Lower Upper
119 100
134 25.0 19.8 29.6
91 29.9 23.9 35.9

Manual Integrations
APPROVED

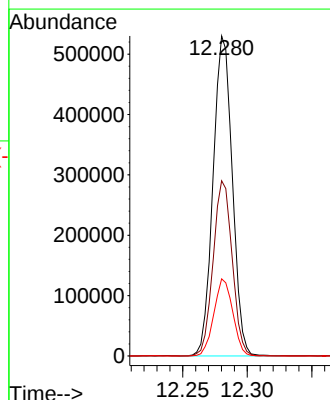
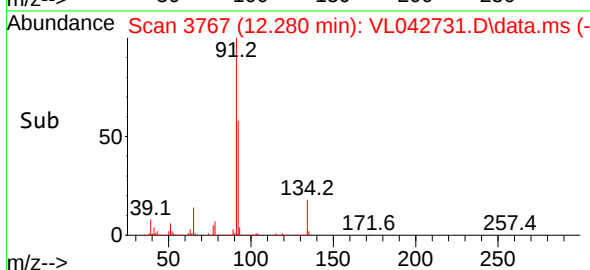
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

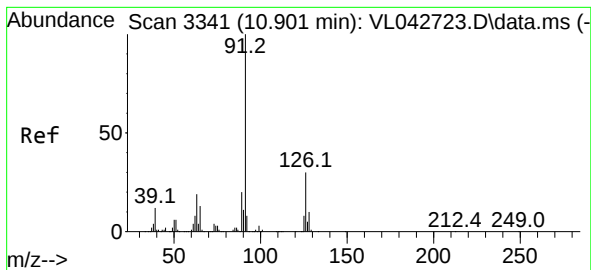


#70
n-Butylbenzene
Concen: 10.147 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06



Tgt Ion: 91 Resp: 549486
Ion Ratio Lower Upper
91 100
92 54.2 43.2 64.8
134 23.7 19.0 28.6





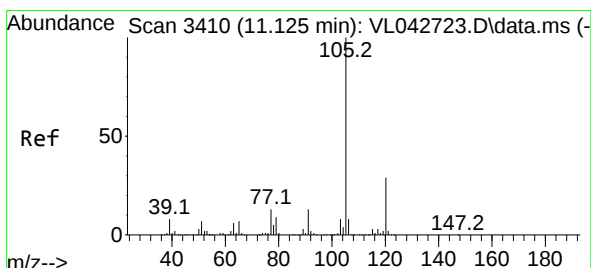
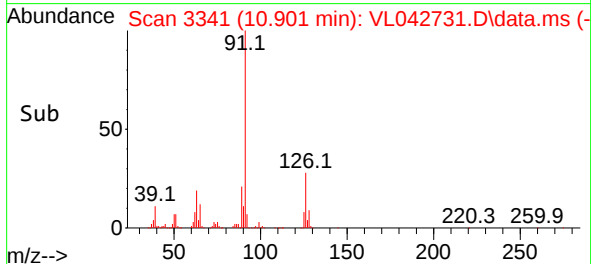
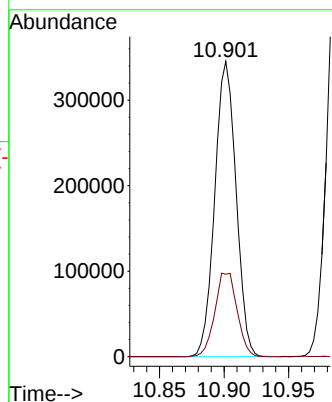
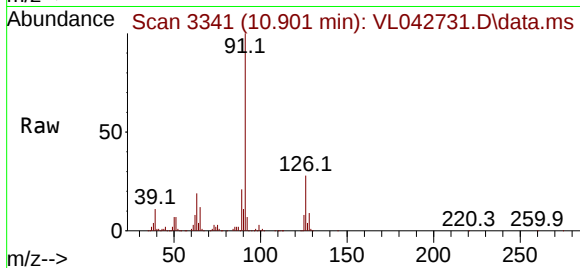
#71
2-Chlorotoluene
Concen: 9.476 ppbv
RT: 10.901 min Scan# 3341
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072225

Tgt Ion: 91 Resp: 395308
Ion Ratio Lower Upper
91 100
126 29.7 11.6 46.4

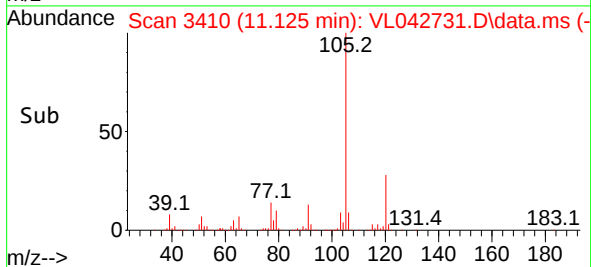
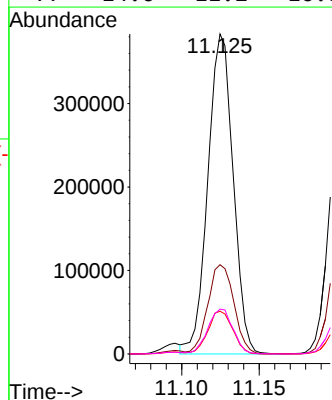
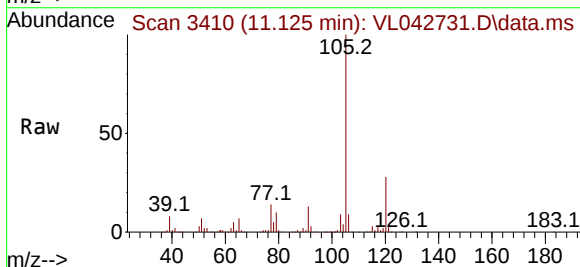
Manual Integrations
APPROVED

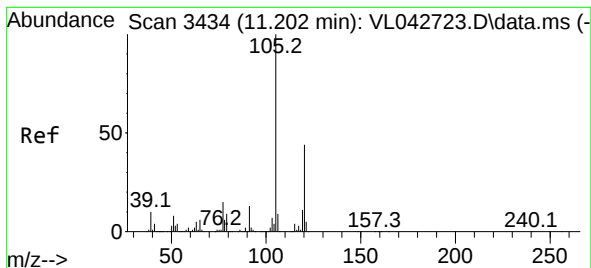
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#72
4-Ethyltoluene
Concen: 9.850 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Tgt Ion:105 Resp: 434852
Ion Ratio Lower Upper
105 100
120 29.7 23.4 35.0
91 13.7 10.6 15.8
77 14.6 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 10.084 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

ICVVL072225

Tgt Ion:105 Resp: 368192

Ion Ratio Lower Upper

105 100

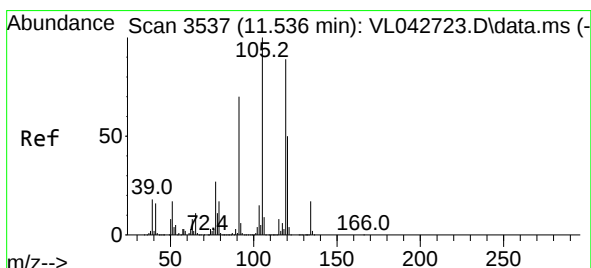
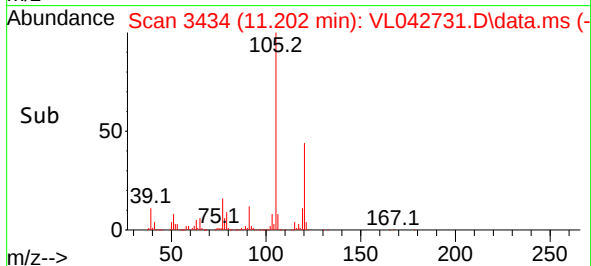
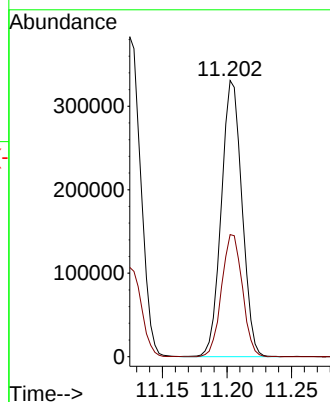
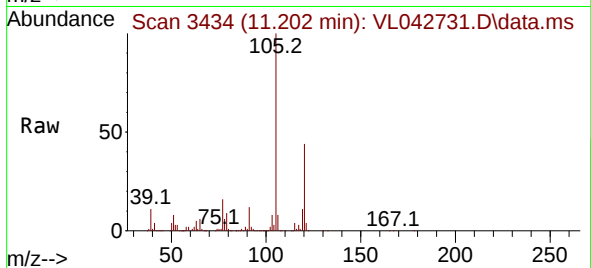
120 44.2 35.2 52.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#74

1,2,4-Trimethylbenzene

Concen: 9.991 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Tgt Ion:105 Resp: 400229

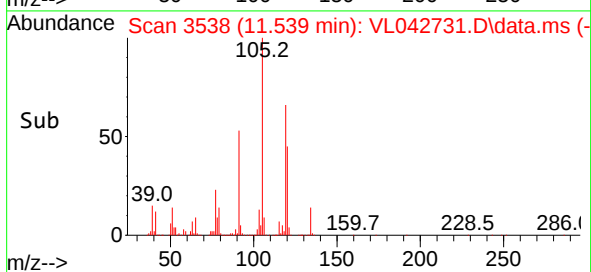
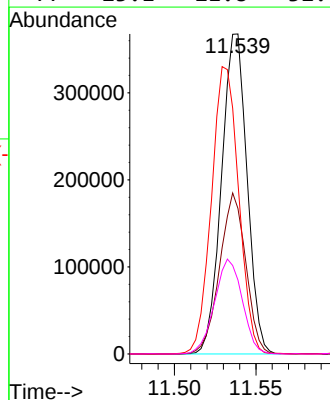
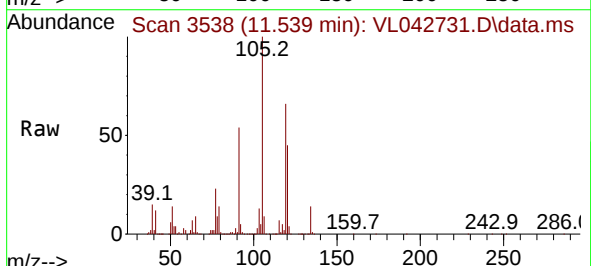
Ion Ratio Lower Upper

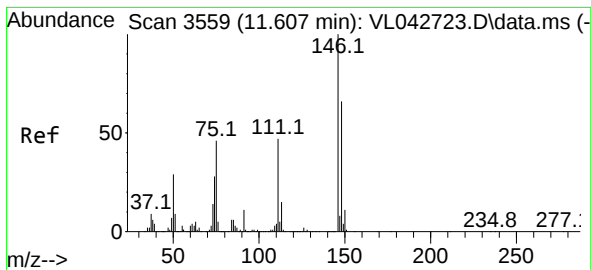
105 100

120 45.4 39.9 59.9

91 53.4 56.5 84.7#

77 23.1 21.8 32.6





#75

1,3-Dichlorobenzene

Concen: 9.378 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

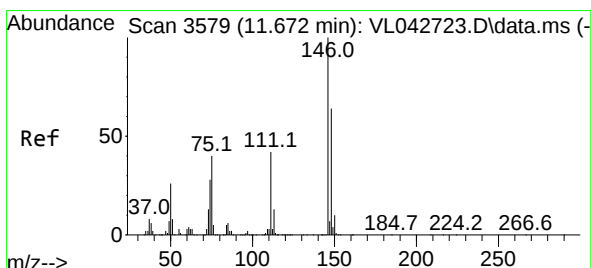
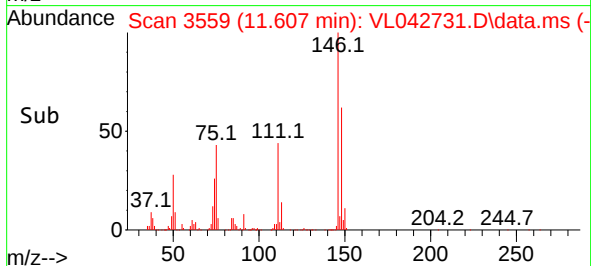
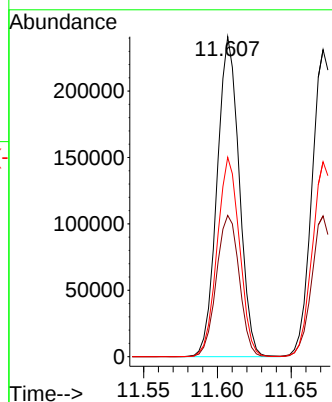
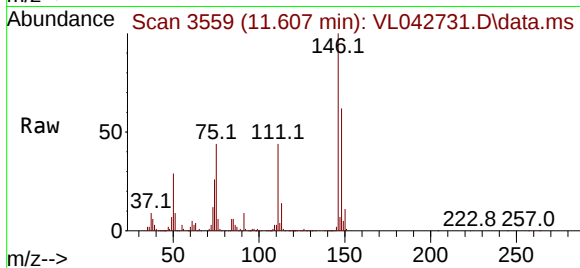
ICVVL072225

Tgt Ion:146	Resp: 25123
Ion Ratio	Lower Upper
146 100	
111 45.7	23.5 70.5
148 63.1	32.6 98.0

Manual Integrations

APPROVED

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



#76

1,4-Dichlorobenzene

Concen: 9.559 ppbv

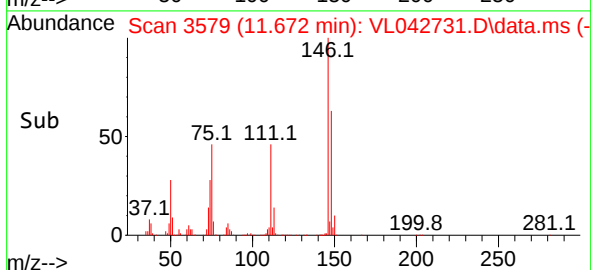
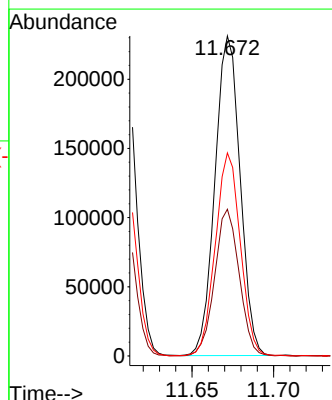
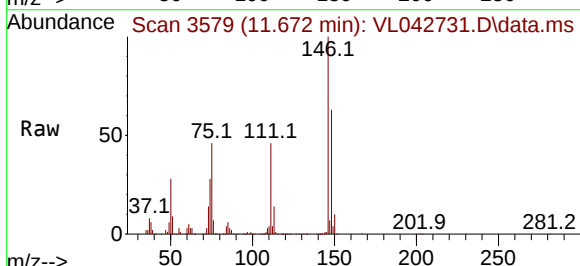
RT: 11.672 min Scan# 3579

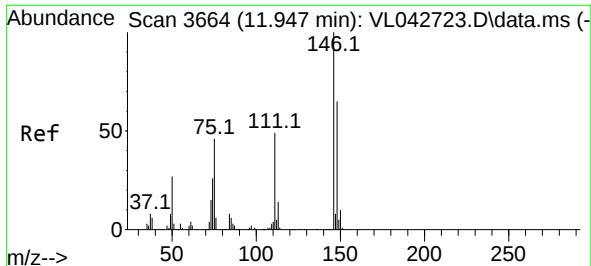
Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

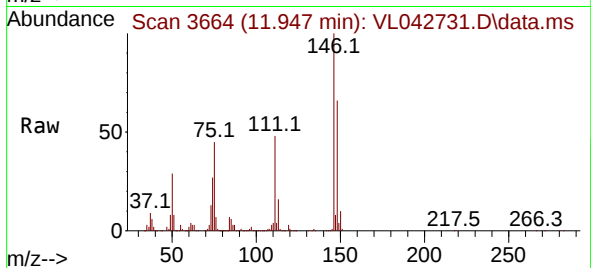
Tgt Ion:146	Resp: 247720		
Ion Ratio	Lower	Upper	
146	100		
111	44.9	22.1	66.1
148	63.4	32.1	96.5





#77
1,2-Dichlorobenzene
Concen: 9.276 ppbv
RT: 11.947 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

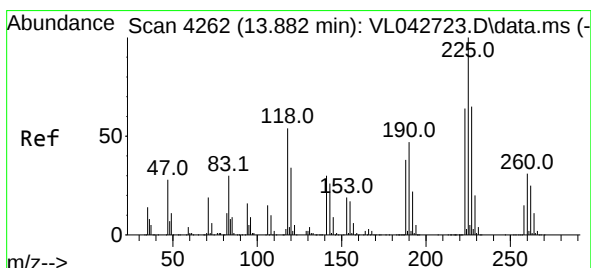
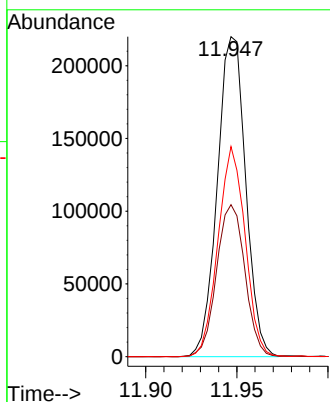
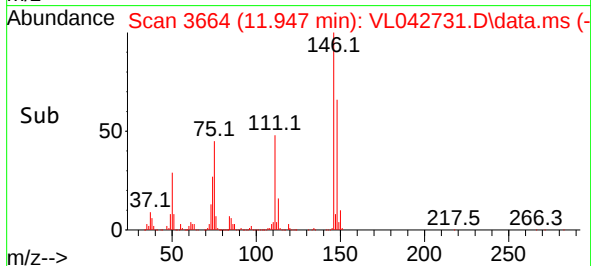
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072225



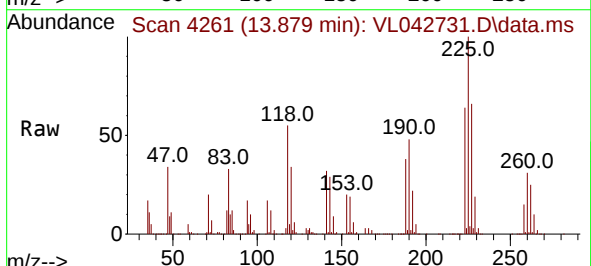
Tgt Ion:146 Resp: 23823
Ion Ratio Lower Upper
146 100
111 47.6 24.9 74.6
148 62.8 32.0 96.0

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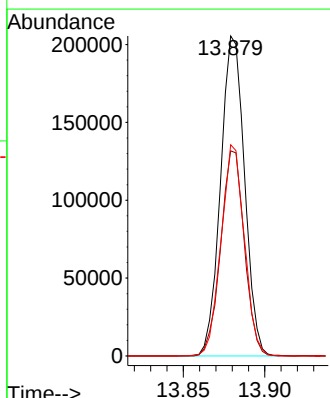
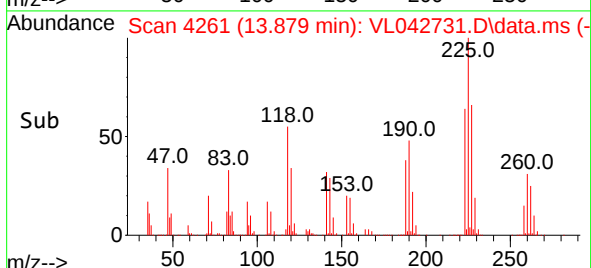
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

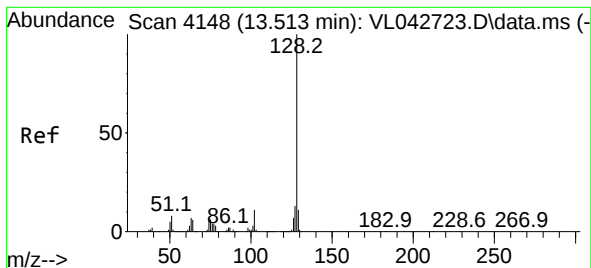


#78
Hexachloro-1,3-Butadiene
Concen: 8.402 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06



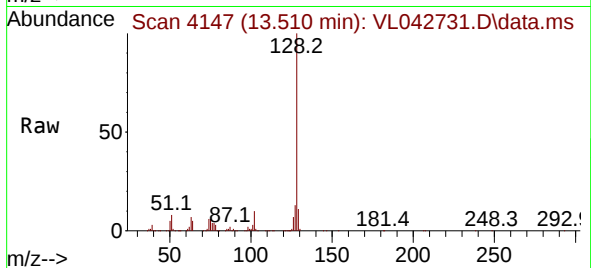
Tgt Ion:225 Resp: 210055
Ion Ratio Lower Upper
225 100
223 63.2 51.3 76.9
227 64.0 51.8 77.8





#79
Naphthalene
Concen: 13.681 ppbv
RT: 13.510 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

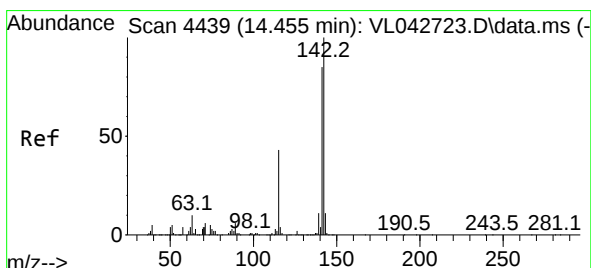
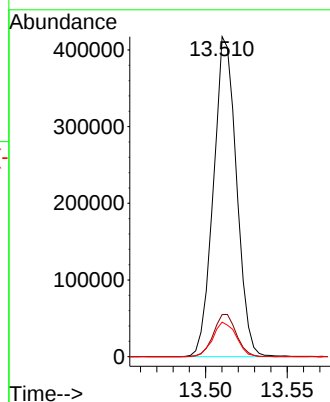
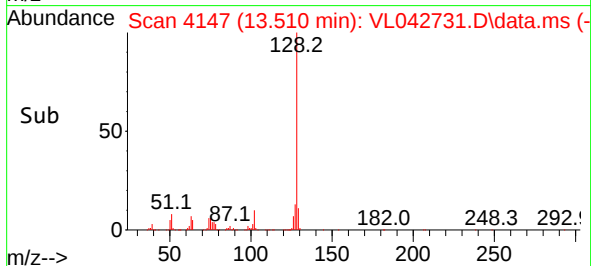
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072225



Tgt Ion:128 Resp: 410019
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.8 8.6 13.0

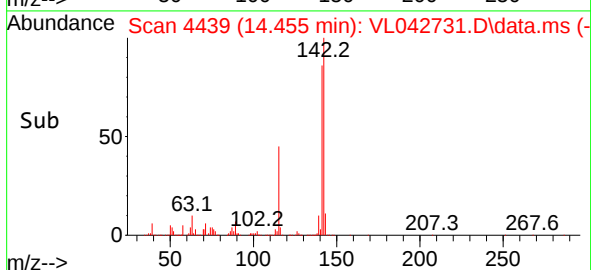
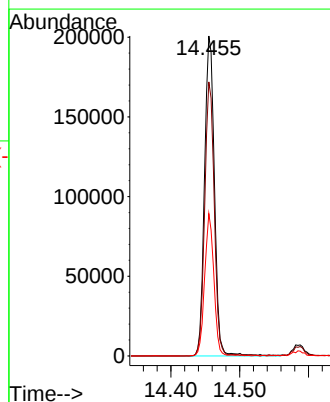
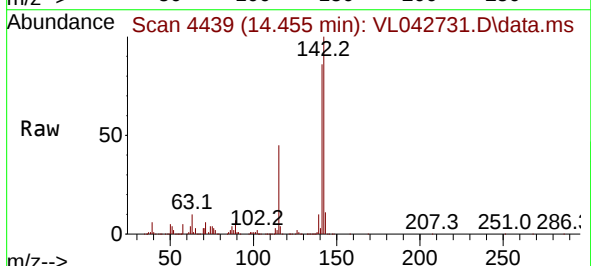
Manual Integrations
APPROVED

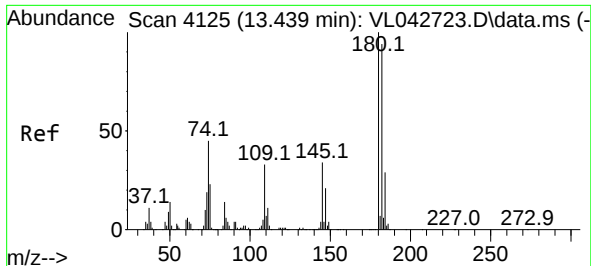
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#80
Naphthalene,2-methyl-
Concen: 20.233 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Tgt Ion:142 Resp: 199543
Ion Ratio Lower Upper
142 100
141 83.4 65.6 98.4
115 41.9 31.7 47.5





#81

1,2,4-Trichlorobenzene

Concen: 12.164 ppbv

RT: 13.439 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042731.D

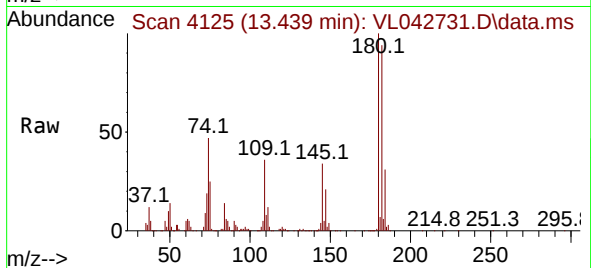
Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

ICVVL072225



Tgt Ion:	180	Resp:	222330
Ion Ratio	Lower	Upper	
180	100		
182	95.6	77.1	115.7
184	30.8	25.0	37.4

Manual Integrations

APPROVED

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

