

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043031.D
 Acq On : 02 Oct 2025 09:50
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/03/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 08:00:22 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

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

QLast Update : Fri Oct 03 07:59:23 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	172062	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	504004	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.859	117	415115	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.357 95 301605 10.086 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.492	85	15037	0.519	ppbv	97
3) Chlorodifluoromethane	1.470	51	14848	0.529	ppbv	96
4) Chloromethane	1.528	50	5542	0.523	ppbv	91
5) Vinyl Chloride	1.573	62	5205	0.518	ppbv	99
6) Bromomethane	1.660	94	2235	0.495	ppbv	87
7) Chloroethane	1.696	64	2228	0.531	ppbv	94
8) Dichlorotetrafluoroethane	1.547	85	12294	0.517	ppbv	99
9) Propene	1.479	41	5652	0.500	ppbv	95
10) Heptane	4.949	43	11455m	0.411	ppbv	
11) Trichlorofluoromethane	1.871	101	15230	0.511	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.130	101	12463	0.531	ppbv	99
13) Ethanol	1.716	45	729	0.509	ppbv #	31
14) Bromoethene	1.774	108	4364	0.519	ppbv #	91
15) Acetone	1.829	43	14360	0.596	ppbv	100
16) 1,3-Butadiene	1.602	39	5235	0.527	ppbv	97
17) tert-Butyl alcohol	2.033	59	14304	0.561	ppbv	96
18) 1,1-Dichloroethene	2.026	96	5223	0.508	ppbv	93
19) Isopropyl Alcohol	1.877	45	6611	0.573	ppbv #	32
20) Methylene Chloride	2.052	84	6961	0.662	ppbv	92
21) Allyl Chloride	2.088	41	8450	0.547	ppbv	97
22) trans-1,2-Dichloroethene	2.327	96	6223	0.533	ppbv	89
23) Vinyl Acetate	2.447	43	3334	0.652	ppbv #	82
24) 1,1-Dichloroethane	2.398	63	11586	0.523	ppbv	99
25) Ethyl Acetate	2.822	43	28090	0.465	ppbv	98
26) Hexane	2.813	57	10845	0.466	ppbv	92
27) Carbon Disulfide	2.140	76	14458	0.527	ppbv #	36
28) Methyl tert-Butyl Ether	2.431	73	7340	0.505	ppbv	94
29) Chloroform	2.835	83	20586	0.519	ppbv	97
30) Cyclohexane	3.839	84	8149	0.427	ppbv	93
31) cis-1,2-Dichloroethene	2.706	61	11430	0.478	ppbv	95
32) 1,1,1-Trichloroethane	3.350	97	18962	0.492	ppbv	97
34) 2-Butanone	2.547	43	17736	0.519	ppbv	100
35) Carbon Tetrachloride	3.742	117	20564	0.496	ppbv	93
36) Benzene	3.638	78	22717	0.472	ppbv	93
37) 1,2-Dichloroethane	3.204	62	14711	0.516	ppbv	98
38) Trichloroethene	4.515	130	10181m	0.507	ppbv	
39) 1,2-Dichloropropane	4.289	63	9070	0.508	ppbv #	86
40) 1,4-Dioxane	4.570	88	3676m	0.480	ppbv	
41) Tetrahydrofuran	3.046	42	7477	0.423	ppbv	95
42) Bromodichloromethane	4.463	83	20614	0.512	ppbv #	97
43) Methyl Methacrylate	4.852	69	7092	0.444	ppbv	91
44) 2,2,4-Trimethylpentane	4.616	57	34977	0.453	ppbv	96
45) t-1,3-Dichloropropene	6.376	75	6760m	0.467	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043031.D
 Acq On : 02 Oct 2025 09:50
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 08:00:22 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

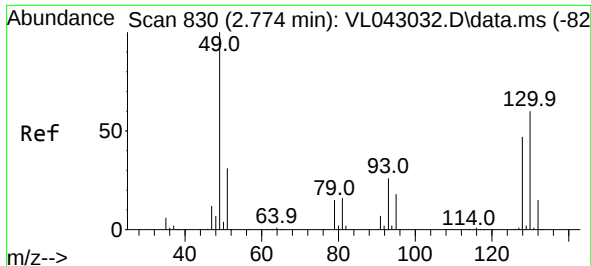
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Oct 03 07:59:23 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.561	75	9423m	0.458	ppbv	
47) 1,1,2-Trichloroethane	6.551	97	10438	0.526	ppbv	91
48) Dibromochloromethane	7.357	129	15360	0.474	ppbv	94
49) Bromoform	9.461	173	12398	0.458	ppbv	95
50) 4-Methyl-2-Pentanone	5.726	43	18115	0.434	ppbv	100
51) 2-Hexanone	7.418	43	11043m	0.373	ppbv	
52) Tetrachloroethene	8.205	164	8537	0.476	ppbv	94
53) Toluene	6.904	91	19917m	0.410	ppbv	
54) 1,2-Dibromoethane	7.626	107	11279	0.479	ppbv	89
56) 1,1,1,2-Tetrachloroethane	8.901	131	13091	0.517	ppbv #	1
57) Chlorobenzene	8.898	112	22573	0.514	ppbv	95
58) Ethyl Benzene	9.335	91	25575	0.398	ppbv	96
59) m/p-Xylene	9.529	91	42005m	0.774	ppbv	
60) o-Xylene	9.943	91	21166	0.392	ppbv	97
61) Styrene	9.849	104	8258	0.365	ppbv	98
62) Isopropylbenzene	10.522	105	34761	0.419	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.943	83	19066	0.490	ppbv	99
64) n-propylbenzene	10.972	120	7963	0.375	ppbv	87
65) tert-Butylbenzene	11.516	119	28729	0.389	ppbv	97
66) Benzyl Chloride	11.600	91	1321	0.462	ppbv #	92
67) sec-Butylbenzene	11.752	105	39676	0.385	ppbv	98
69) p-Isopropyltoluene	11.911	119	31118	0.371	ppbv	98
70) n-Butylbenzene	12.267	91	28253	0.350	ppbv	95
71) 2-Chlorotoluene	10.885	91	24004	0.400	ppbv	98
72) 4-Ethyltoluene	11.108	105	23762	0.369	ppbv #	96
73) 1,3,5-Trimethylbenzene	11.186	105	21617	0.389	ppbv	98
74) 1,2,4-Trimethylbenzene	11.523	105	23511	0.374	ppbv	88
75) 1,3-Dichlorobenzene	11.590	146	19346	0.474	ppbv	99
76) 1,4-Dichlorobenzene	11.655	146	17115	0.440	ppbv	98
77) 1,2-Dichlorobenzene	11.934	146	19742	0.485	ppbv	99
78) Hexachloro-1,3-Butadiene	13.866	225	14174	0.500	ppbv	99
79) Naphthalene	13.500	128	12682	0.479	ppbv #	96
80) Naphthalene,2-methyl-	14.442	142	13384	1.165	ppbv	95
81) 1,2,4-Trichlorobenzene	13.426	180	7952	0.329	ppbv	99

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



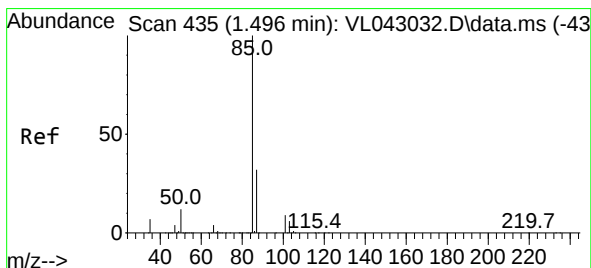
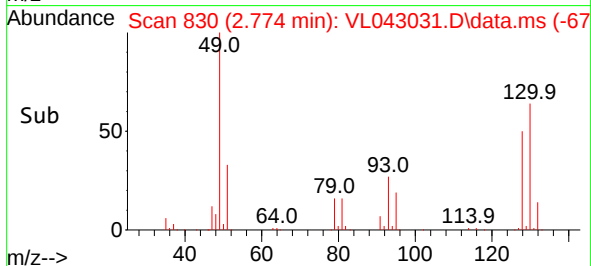
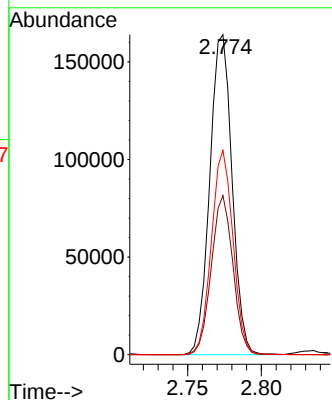
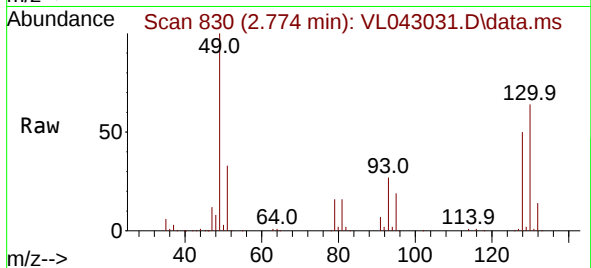
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 830
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 49 Resp: 172062
Ion Ratio Lower Upper
49 100
128 48.2 24.1 72.2
130 61.9 31.4 94.3

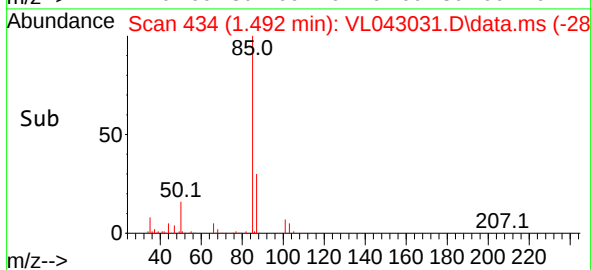
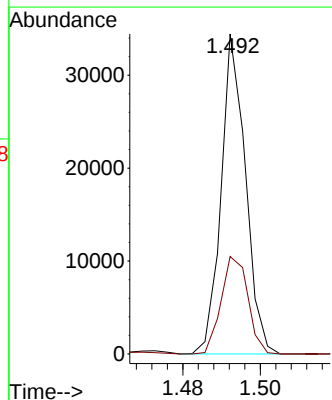
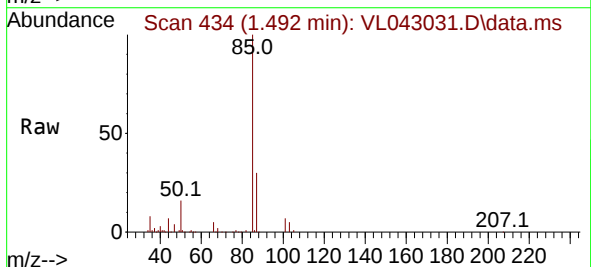
Manual Integrations
APPROVED

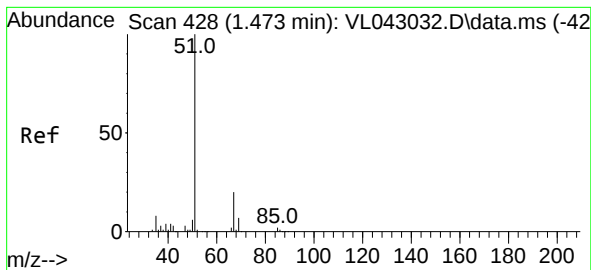
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 0.519 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion: 85 Resp: 15037
Ion Ratio Lower Upper
85 100
87 30.5 25.8 38.6





#3

Chlorodifluoromethane

Concen: 0.529 ppbv

RT: 1.470 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 51 Resp: 1484

Ion Ratio Lower Upper

51 100

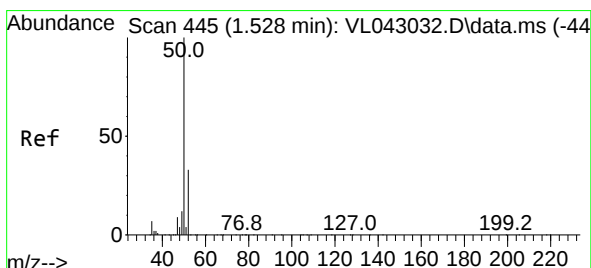
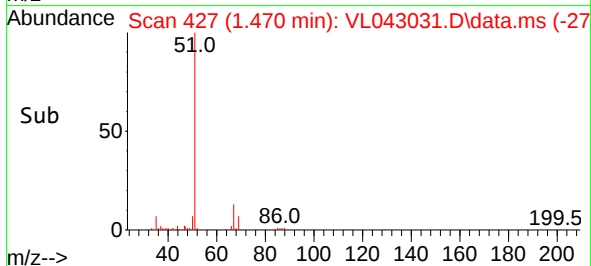
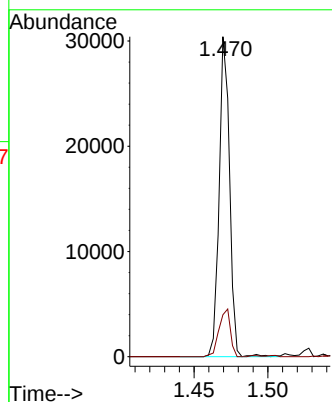
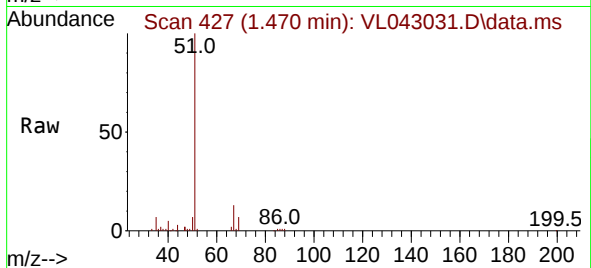
67 16.9 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025

Supervised By :Mahesh Dadoda 10/10/2025



#4

Chloromethane

Concen: 0.523 ppbv

RT: 1.528 min Scan# 445

Delta R.T. -0.000 min

Lab File: VL043031.D

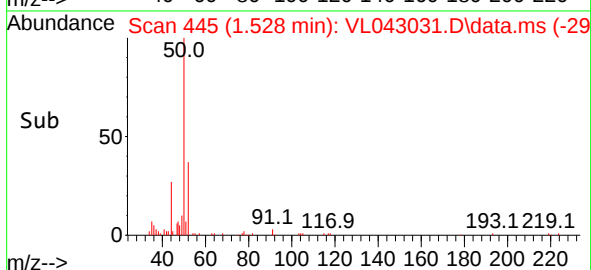
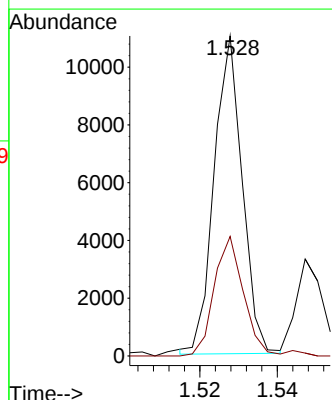
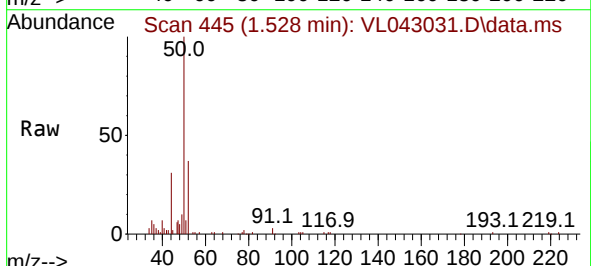
Acq: 02 Oct 2025 09:50

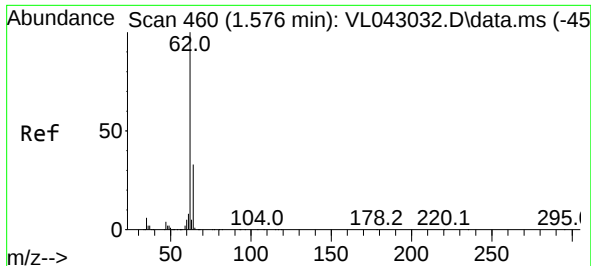
Tgt Ion: 50 Resp: 5542

Ion Ratio Lower Upper

50 100

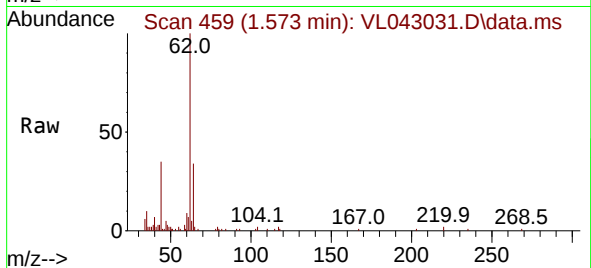
52 38.0 26.2 39.2





#5
 Vinyl Chloride
 Concen: 0.518 ppbv
 RT: 1.573 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50

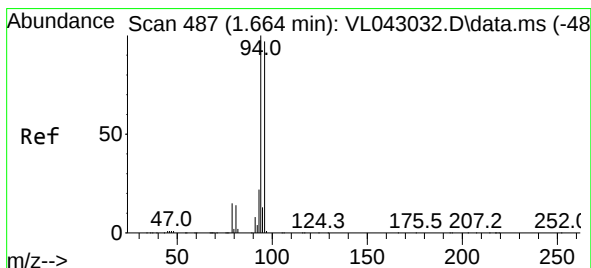
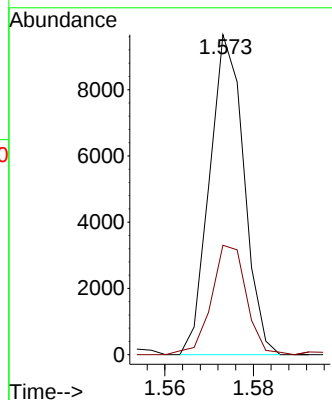
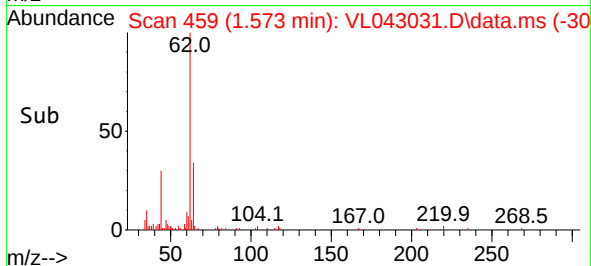
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



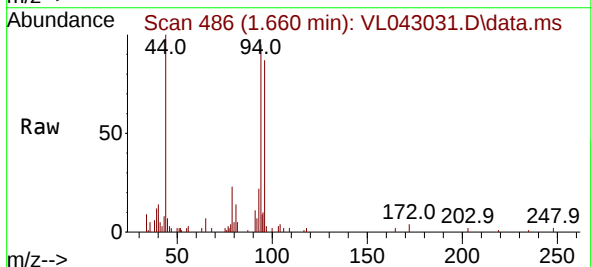
Tgt Ion: 62 Resp: 520
 Ion Ratio Lower Upper
 62 100
 64 33.4 26.2 39.2

Manual Integrations
 APPROVED

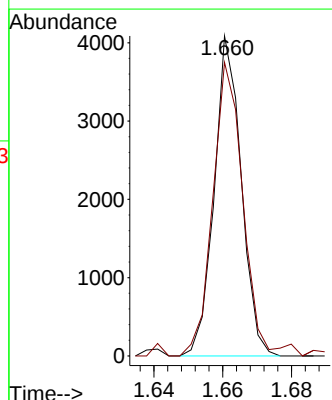
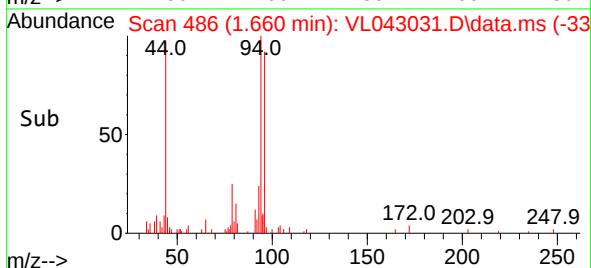
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

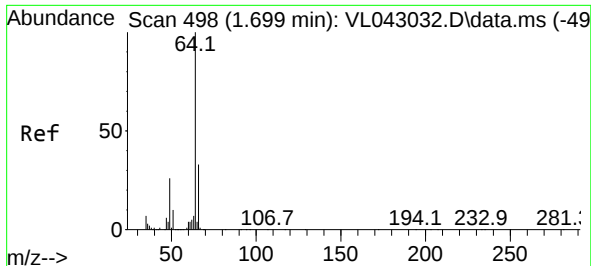


#6
 Bromomethane
 Concen: 0.495 ppbv
 RT: 1.660 min Scan# 486
 Delta R.T. -0.003 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50



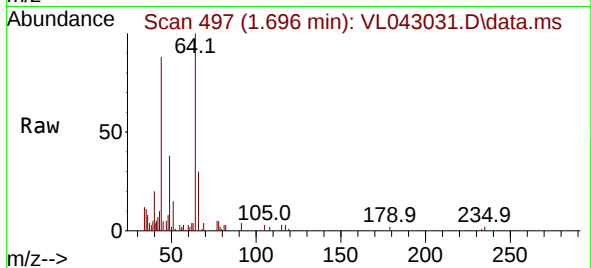
Tgt Ion: 94 Resp: 2235
 Ion Ratio Lower Upper
 94 100
 96 83.9 77.6 116.4





#7
Chloroethane
Concen: 0.531 ppbv
RT: 1.696 min Scan# 498
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

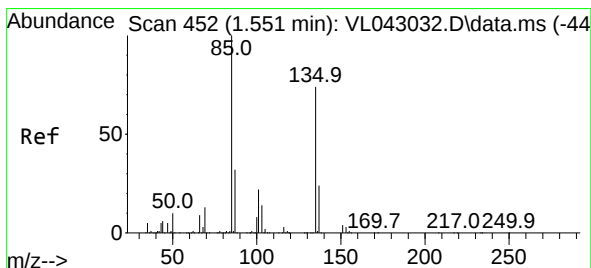
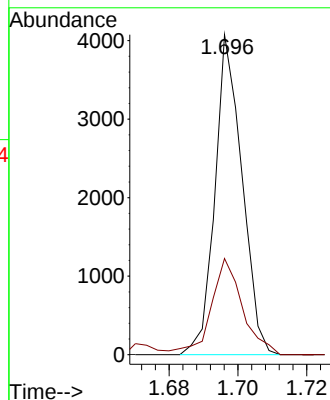
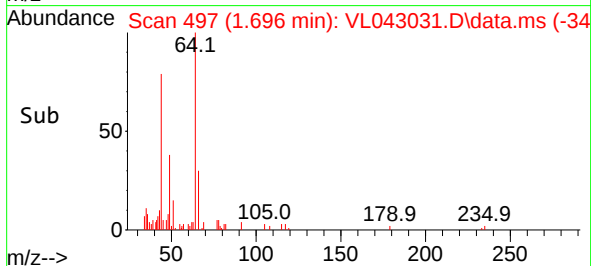
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 64 Resp: 2228
Ion Ratio Lower Upper
64 100
66 30.1 26.6 39.8

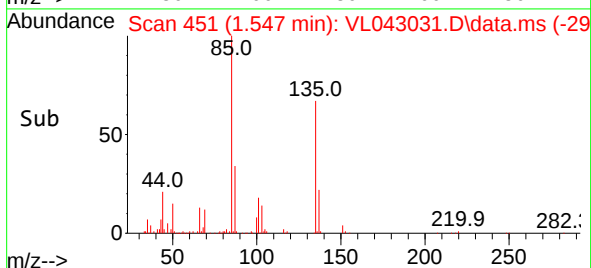
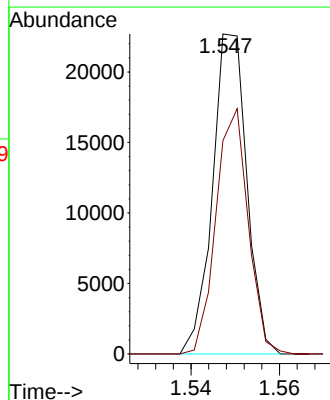
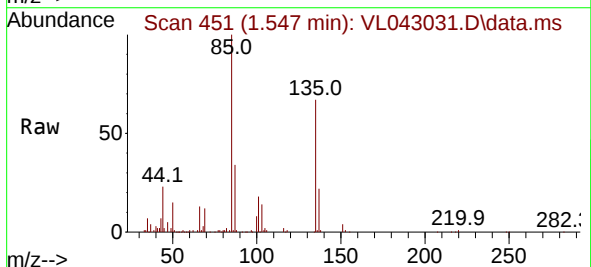
Manual Integrations
APPROVED

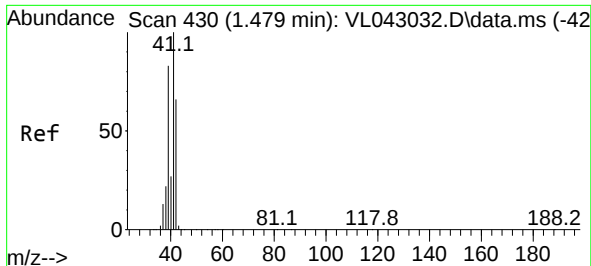
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#8
Dichlorotetrafluoroethane
Concen: 0.517 ppbv
RT: 1.547 min Scan# 451
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

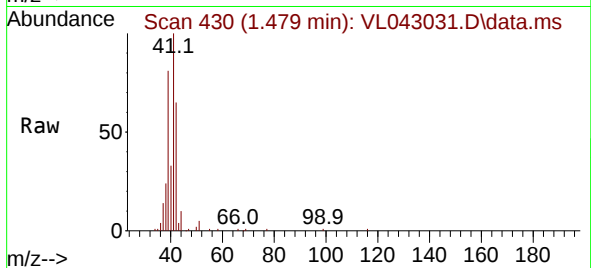
Tgt Ion: 85 Resp: 12294
Ion Ratio Lower Upper
85 100
135 71.5 56.3 84.5





#9
 Propene
 Concen: 0.500 ppbv
 RT: 1.479 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50

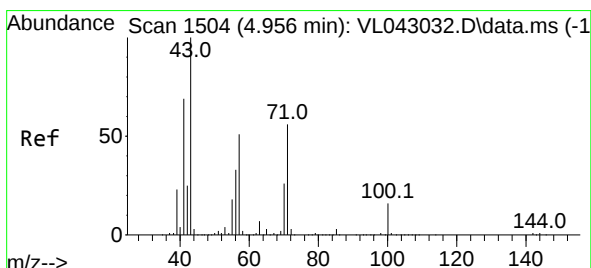
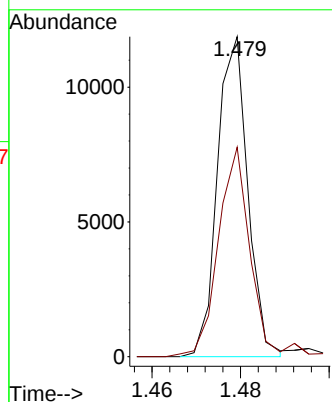
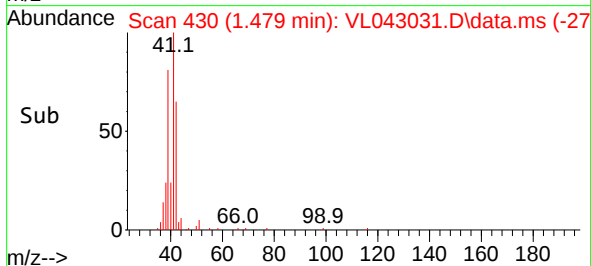
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



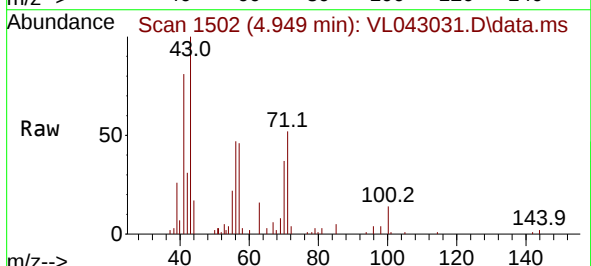
Tgt Ion: 41 Resp: 5652
 Ion Ratio Lower Upper
 41 100
 42 70.9 53.3 79.9

Manual Integrations
 APPROVED

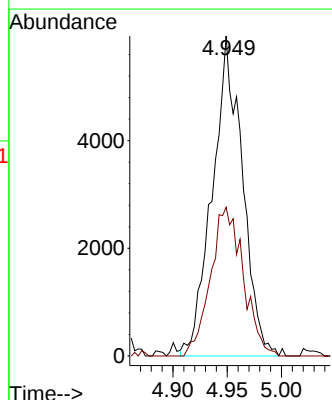
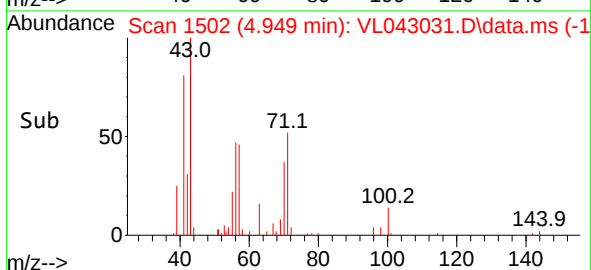
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

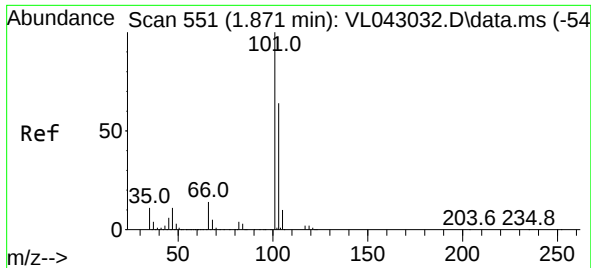


#10
 Heptane
 Concen: 0.411 ppbv m
 RT: 4.949 min Scan# 1502
 Delta R.T. -0.007 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50



Tgt Ion: 43 Resp: 11455
 Ion Ratio Lower Upper
 43 100
 57 0.0 40.3 60.5#





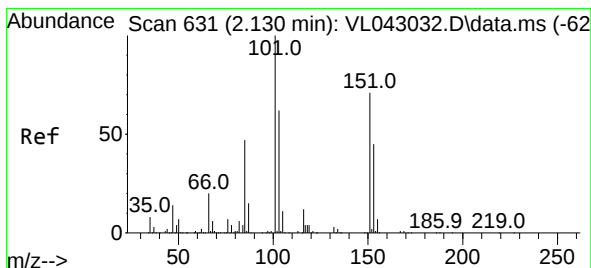
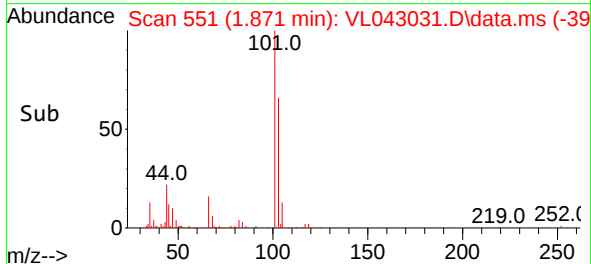
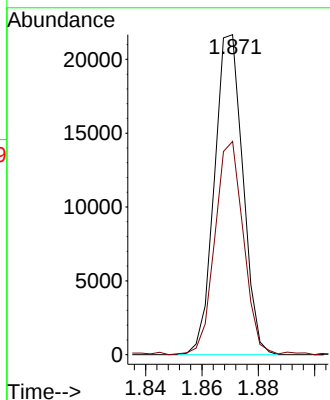
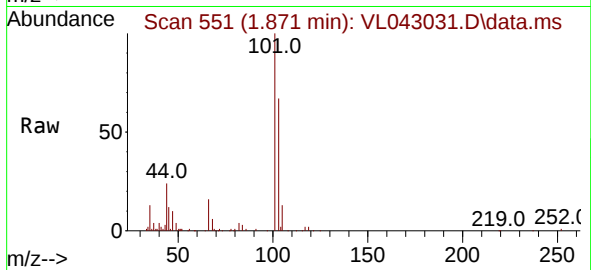
#11
 Trichlorofluoromethane
 Concen: 0.511 ppbv
 RT: 1.871 min Scan# 551
 Delta R.T. -0.000 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:101 Resp: 15230
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.1 76.7

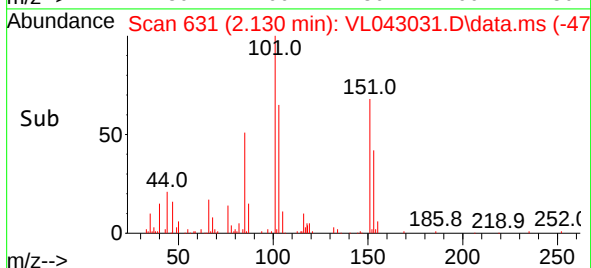
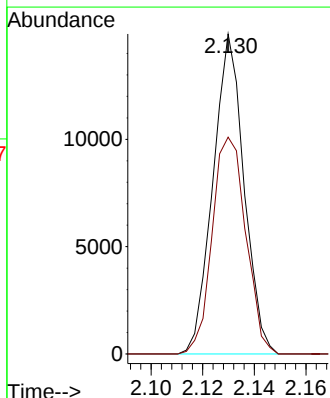
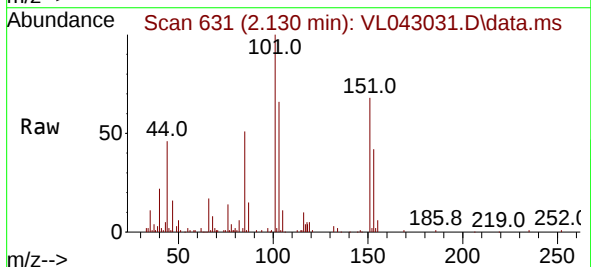
Manual Integrations
 APPROVED

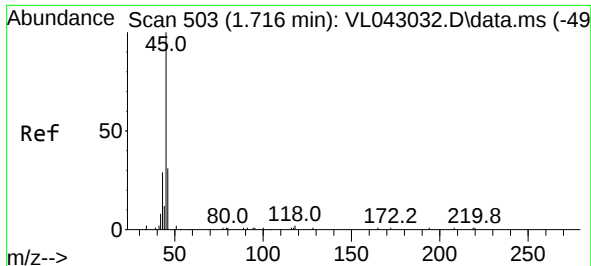
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.531 ppbv
 RT: 2.130 min Scan# 631
 Delta R.T. -0.000 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50

Tgt Ion:101 Resp: 12463
 Ion Ratio Lower Upper
 101 100
 151 73.3 58.1 87.1





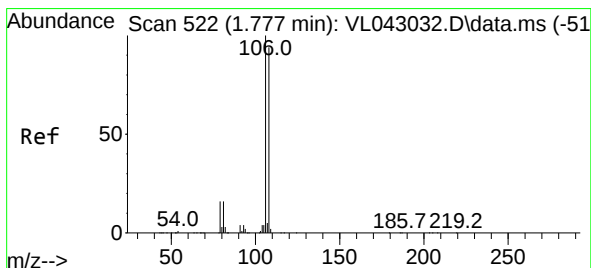
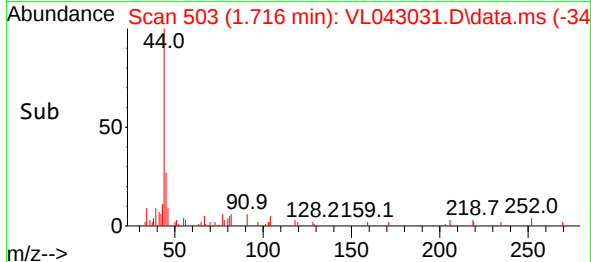
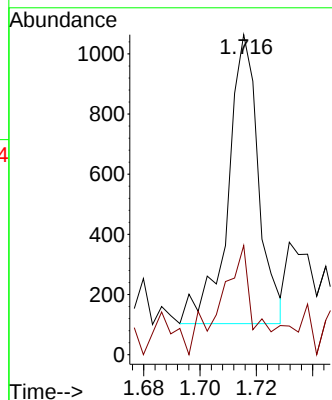
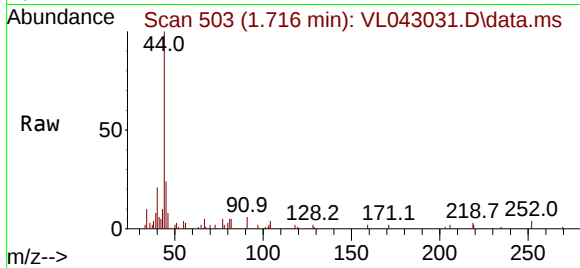
#13
Ethanol
Concen: 0.509 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 45 Resp: 729
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4

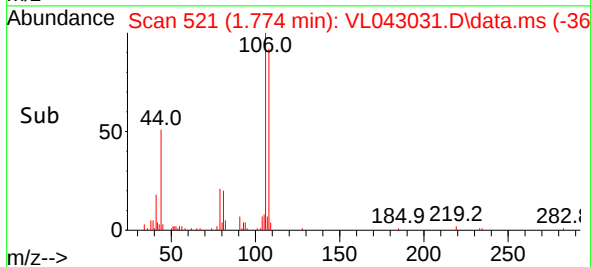
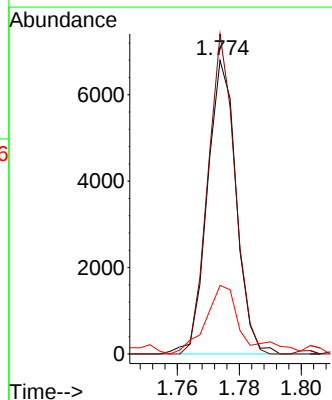
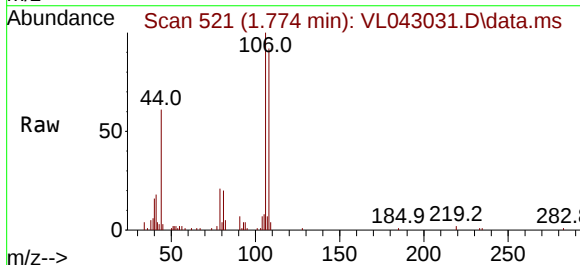
Manual Integrations
APPROVED

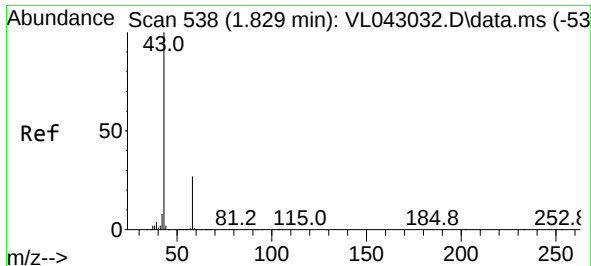
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#14
Bromoethene
Concen: 0.519 ppbv
RT: 1.774 min Scan# 521
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

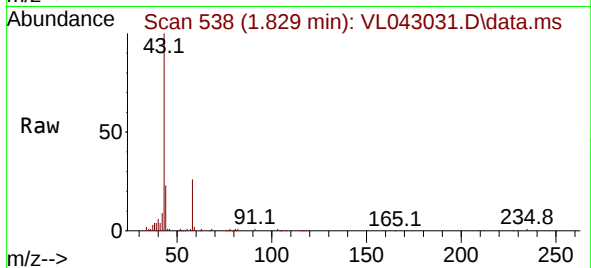
Tgt Ion:108 Resp: 4364
Ion Ratio Lower Upper
108 100
106 103.7 85.2 127.8
79 38.0 14.8 22.2





#15
Acetone
Concen: 0.596 ppbv
RT: 1.829 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

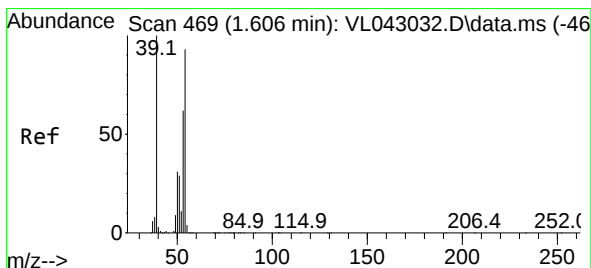
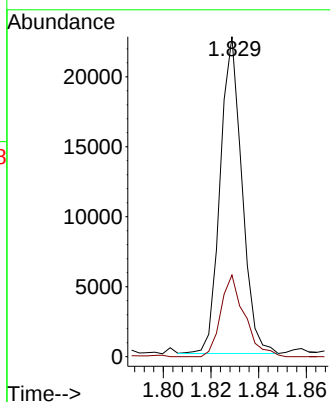
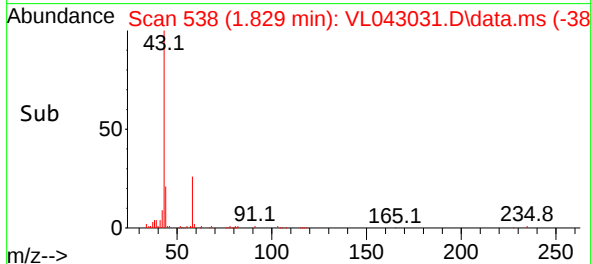
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



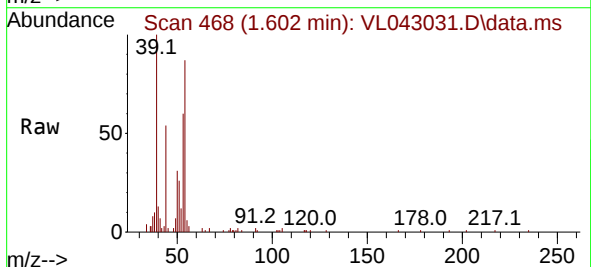
Tgt Ion: 43 Resp: 14360
Ion Ratio Lower Upper
43 100
58 28.0 22.2 33.4

Manual Integrations
APPROVED

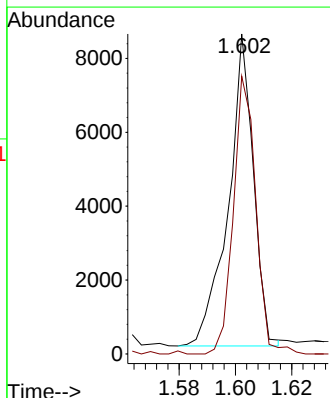
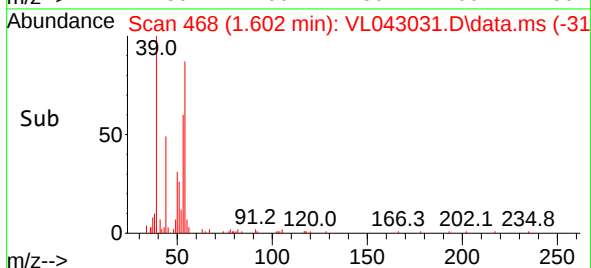
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

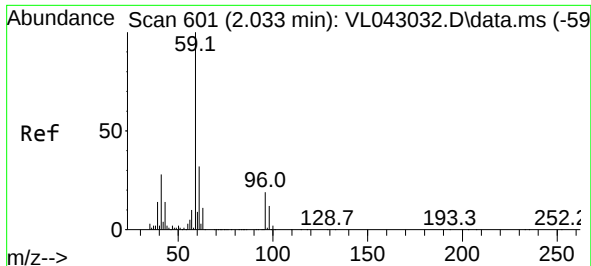


#16
1,3-Butadiene
Concen: 0.527 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50



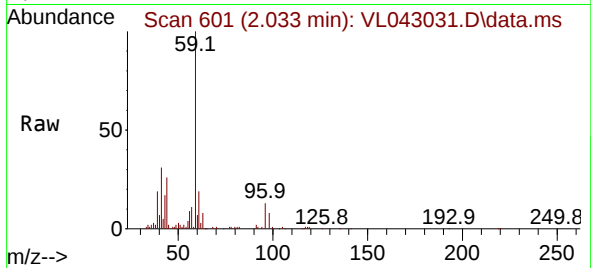
Tgt Ion: 39 Resp: 5235
Ion Ratio Lower Upper
39 100
54 79.2 61.4 92.2





#17
tert-Butyl alcohol
Concen: 0.561 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

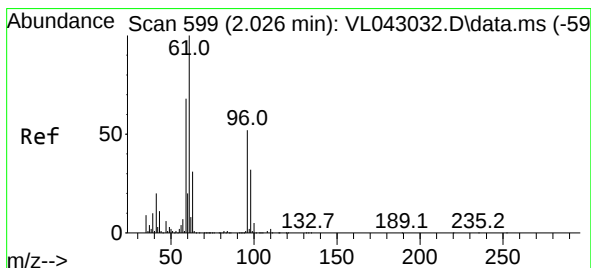
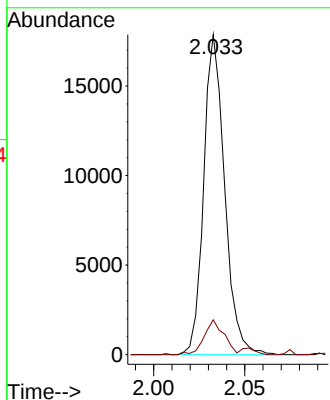
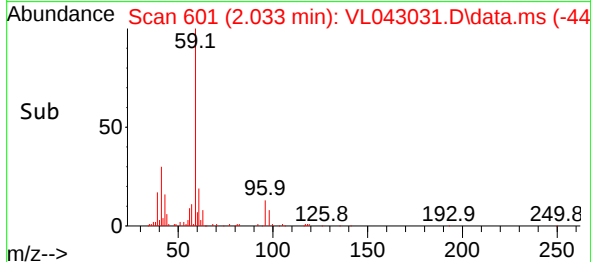
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



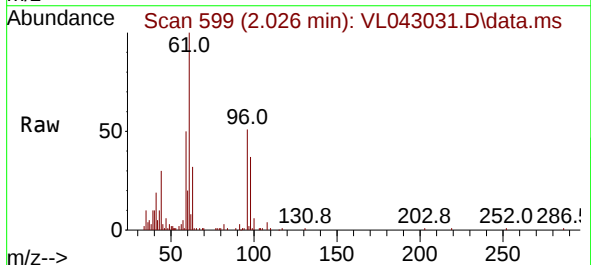
Tgt Ion: 59 Resp: 14304
Ion Ratio Lower Upper
59 100
57 12.1 8.5 12.7

Manual Integrations
APPROVED

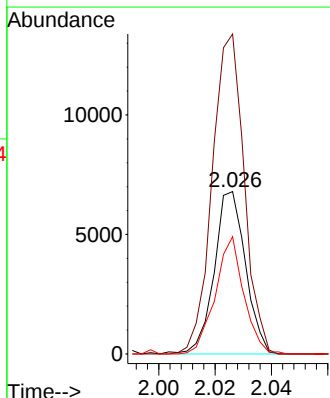
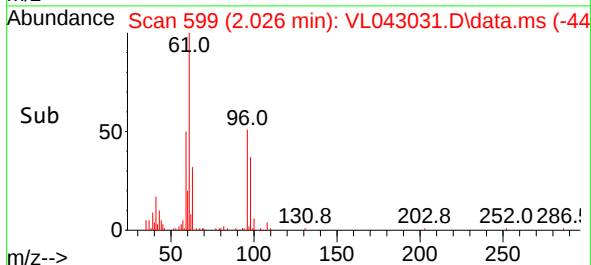
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

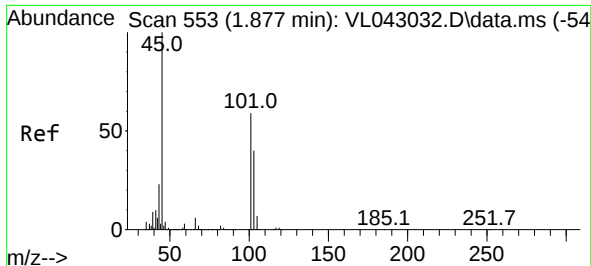


#18
1,1-Dichloroethene
Concen: 0.508 ppbv
RT: 2.026 min Scan# 599
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50



Tgt Ion: 96 Resp: 5223
Ion Ratio Lower Upper
96 100
61 197.1 153.0 229.6
98 72.2 48.8 73.2





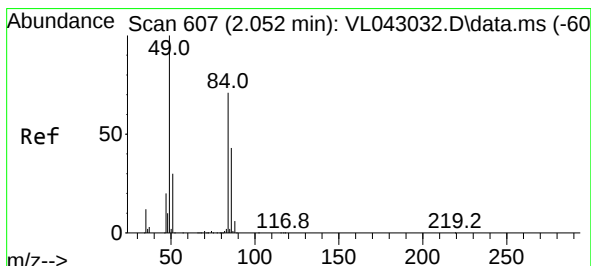
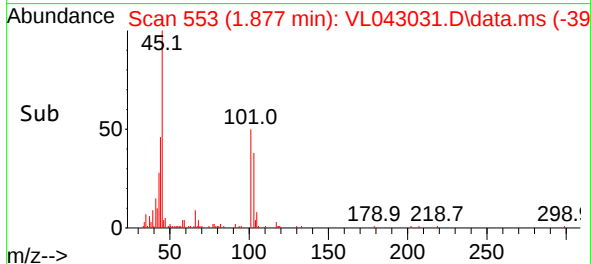
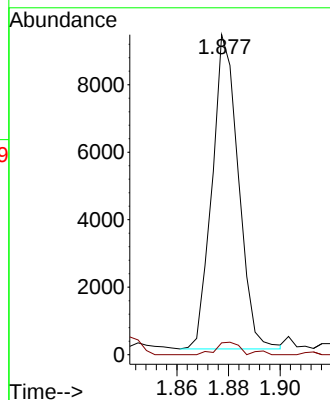
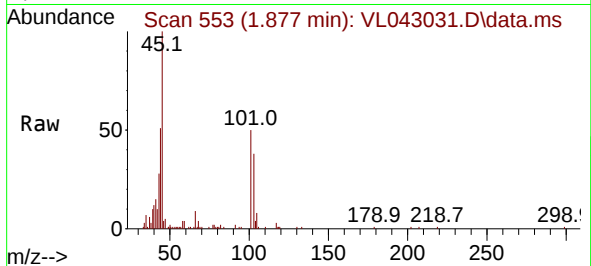
#19
Isopropyl Alcohol
Concen: 0.573 ppbv
RT: 1.877 min Scan# 553
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 661
Ion Ratio Lower Upper
45 100
58 4.4 42.3 63.5

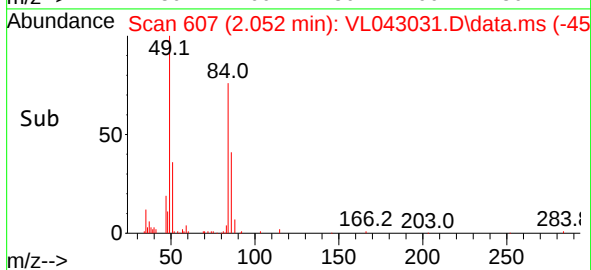
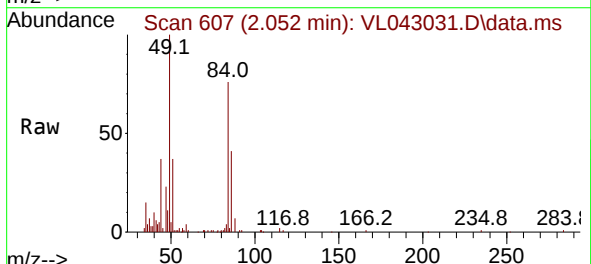
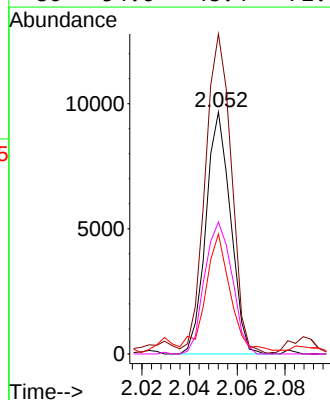
Manual Integrations
APPROVED

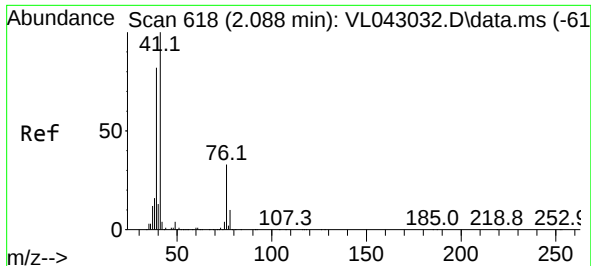
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Methylene Chloride
Concen: 0.662 ppbv
RT: 2.052 min Scan# 607
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

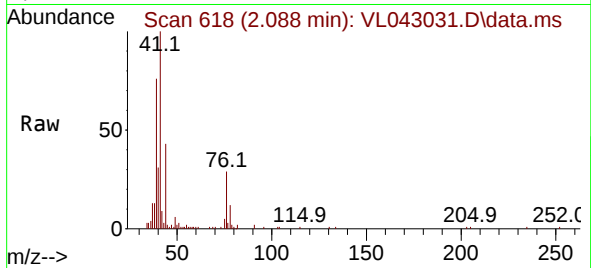
Tgt Ion: 84 Resp: 6961
Ion Ratio Lower Upper
84 100
49 130.1 112.5 168.7
51 48.0 34.2 51.2
86 54.6 48.4 72.6





#21
 Allyl Chloride
 Concen: 0.547 ppbv
 RT: 2.088 min Scan# 618
 Delta R.T. -0.000 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50

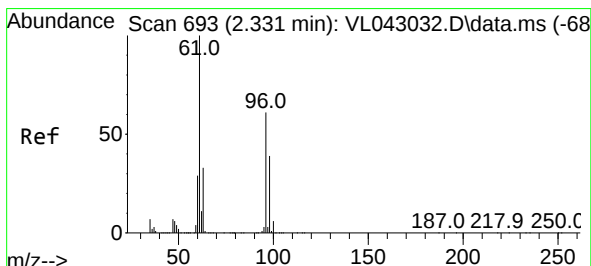
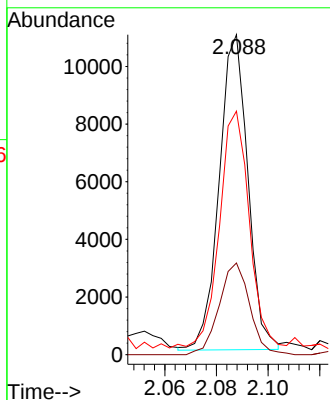
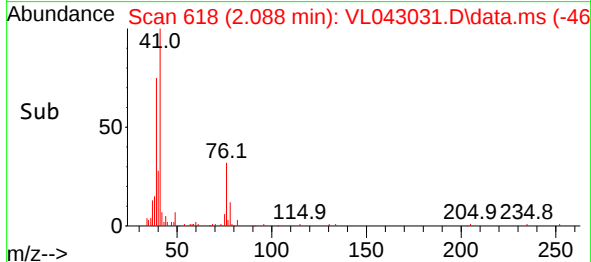
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



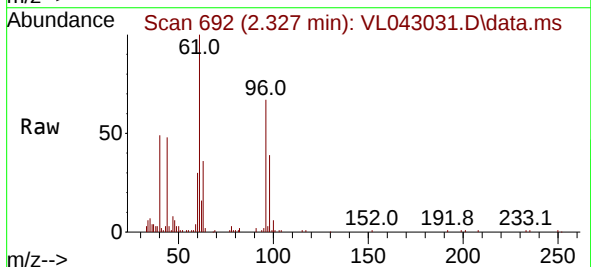
Tgt Ion: 41 Resp: 8450
 Ion Ratio Lower Upper
 41 100
 76 30.9 25.9 38.9
 39 81.3 63.0 94.4

Manual Integrations
 APPROVED

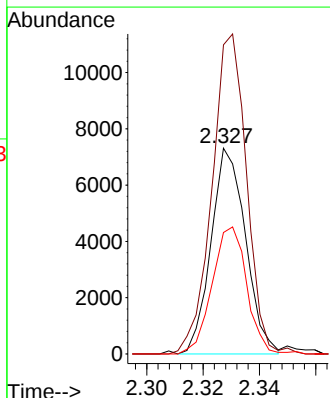
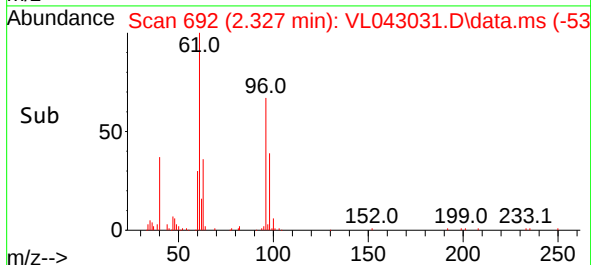
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

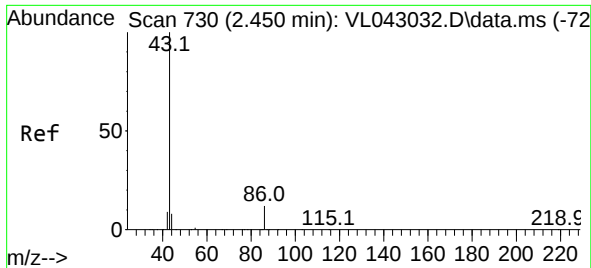


#22
 trans-1,2-Dichloroethene
 Concen: 0.533 ppbv
 RT: 2.327 min Scan# 692
 Delta R.T. -0.003 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50



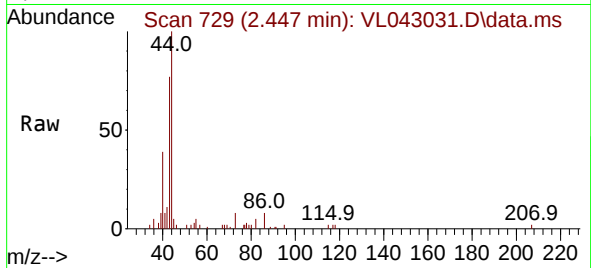
Tgt Ion: 96 Resp: 6223
 Ion Ratio Lower Upper
 96 100
 61 148.6 131.9 197.9
 98 59.0 52.1 78.1





#23
 Vinyl Acetate
 Concen: 0.652 ppbv
 RT: 2.447 min Scan# 714
 Delta R.T. -0.003 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50

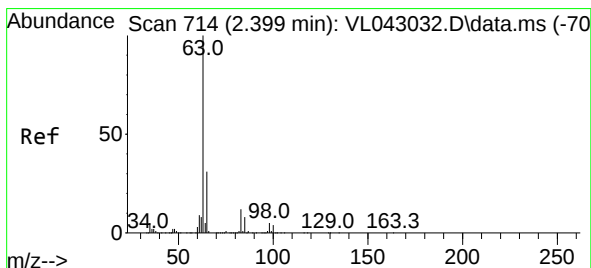
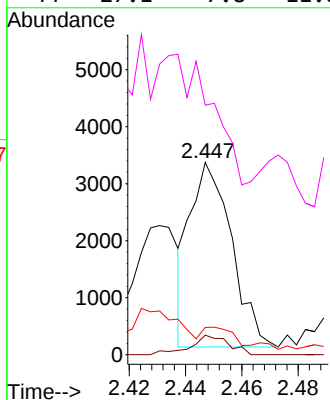
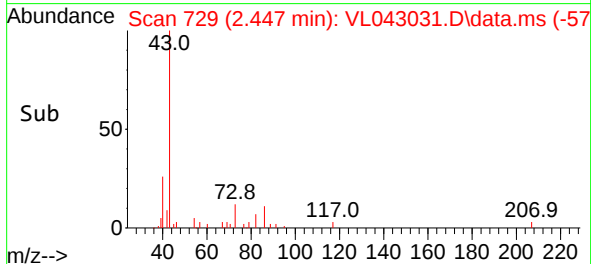
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 43 Resp: 3334
 Ion Ratio Lower Upper
 43 100
 86 10.6 7.5 11.3
 42 11.8 8.4 12.6
 44 27.1 7.8 11.8#

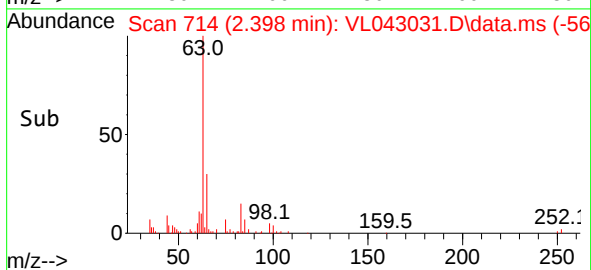
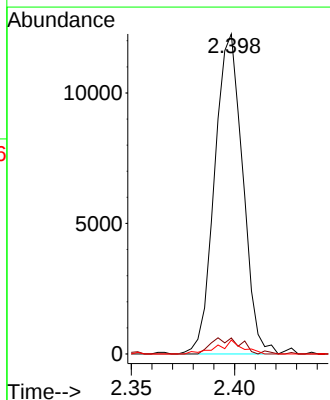
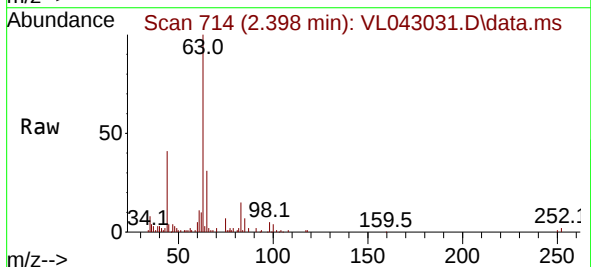
Manual Integrations
 APPROVED

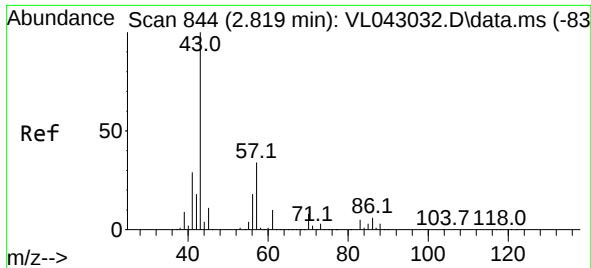
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#24
 1,1-Dichloroethane
 Concen: 0.523 ppbv
 RT: 2.398 min Scan# 714
 Delta R.T. -0.000 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50

Tgt Ion: 63 Resp: 11586
 Ion Ratio Lower Upper
 63 100
 98 5.0 2.5 7.4
 100 4.4 1.8 5.4





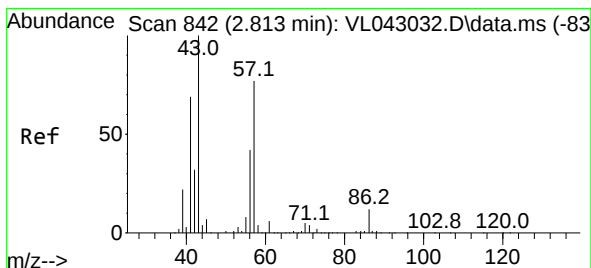
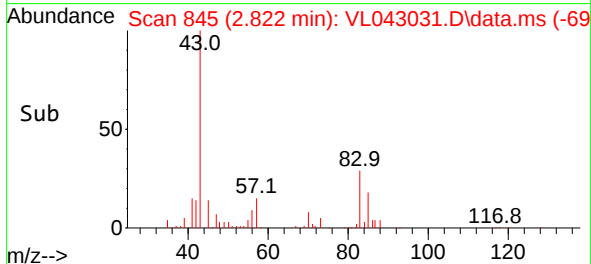
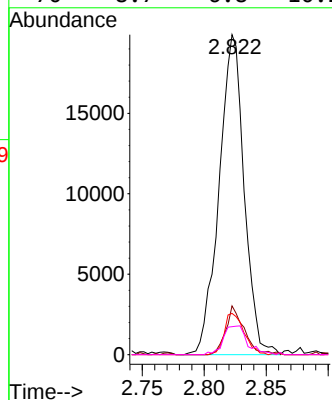
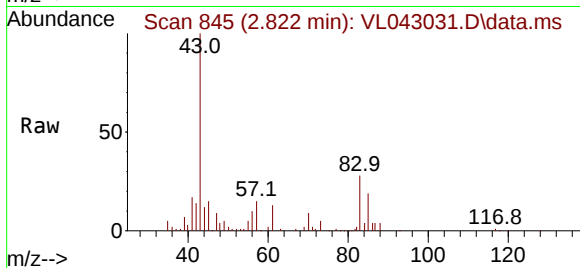
#25
Ethyl Acetate
Concen: 0.465 ppbv
RT: 2.822 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43	Resp: 28090
Ion Ratio	Lower Upper
43 100	
45 11.3	8.3 12.5
61 10.4	7.5 11.3
70 8.7	6.8 10.2

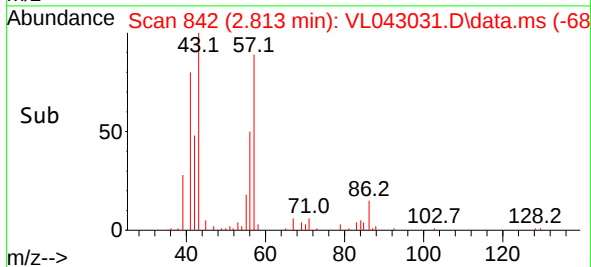
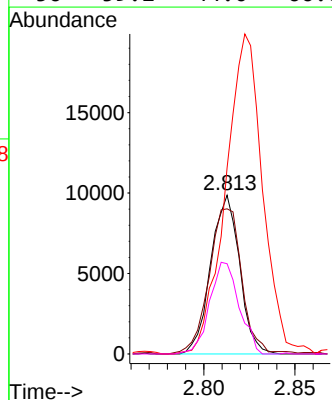
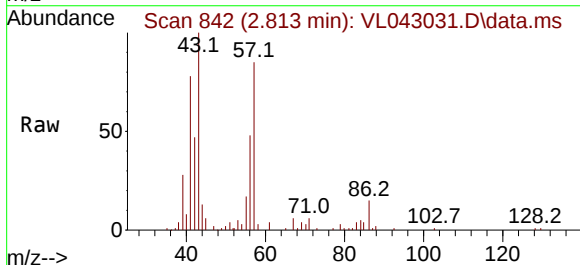
Manual Integrations
APPROVED

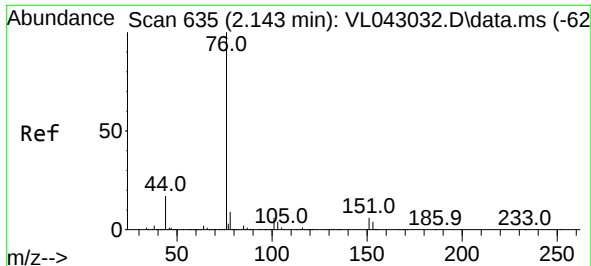
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#26
Hexane
Concen: 0.466 ppbv
RT: 2.813 min Scan# 842
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

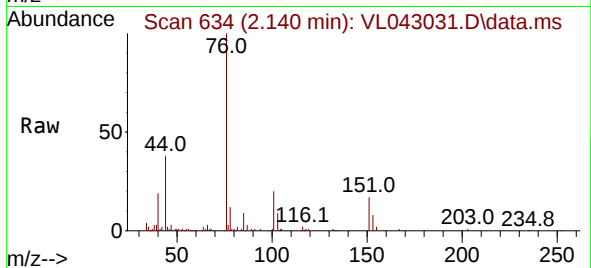
Tgt Ion: 57	Resp: 10845		
Ion	Ratio	Lower	Upper
57	100		
41	105.2	76.1	114.1
43	263.7	201.4	302.0
56	59.2	44.0	66.0





#27
Carbon Disulfide
Concen: 0.527 ppbv
RT: 2.140 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

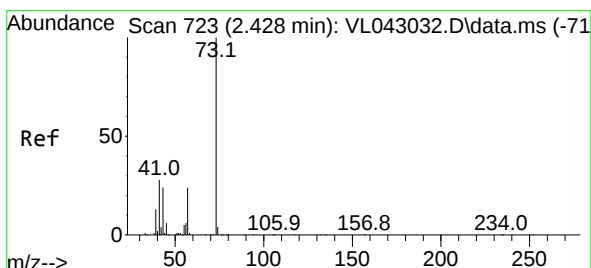
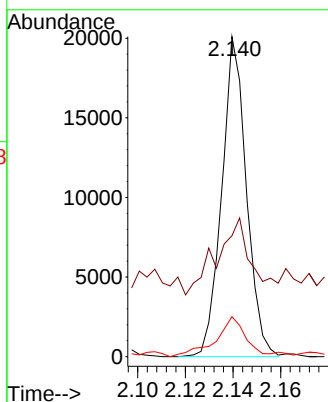
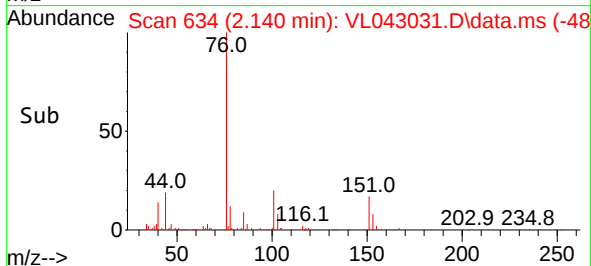
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 76 Resp: 14458
Ion Ratio Lower Upper
76 100
44 61.3 14.0 21.0
78 16.0 9.4 14.0

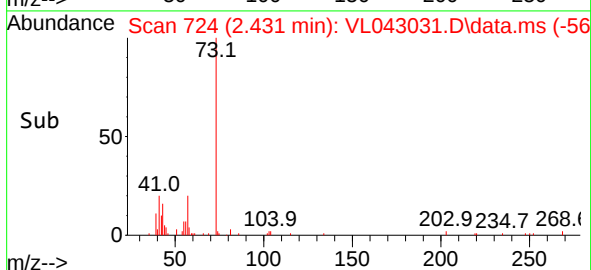
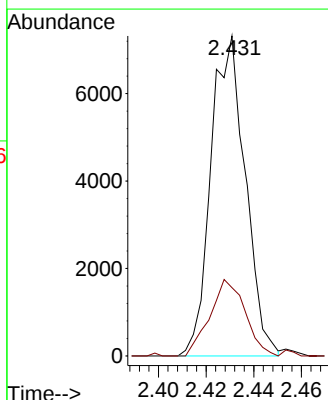
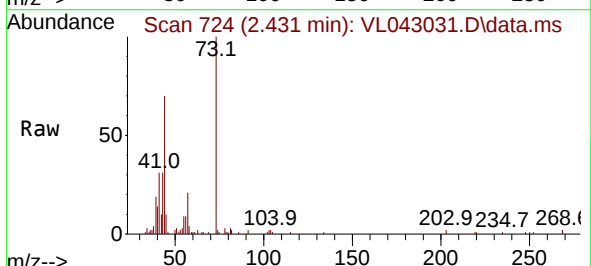
Manual Integrations
APPROVED

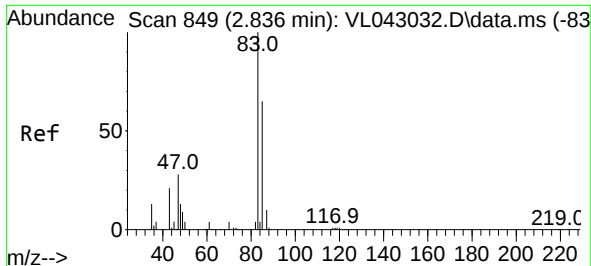
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#28
Methyl tert-Butyl Ether
Concen: 0.505 ppbv
RT: 2.431 min Scan# 724
Delta R.T. 0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion: 73 Resp: 7340
Ion Ratio Lower Upper
73 100
57 25.1 17.8 26.8





#29

Chloroform

Concen: 0.519 ppbv

RT: 2.835 min Scan# 849

Delta R.T. -0.000 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 20580

Ion Ratio Lower Upper

83 100

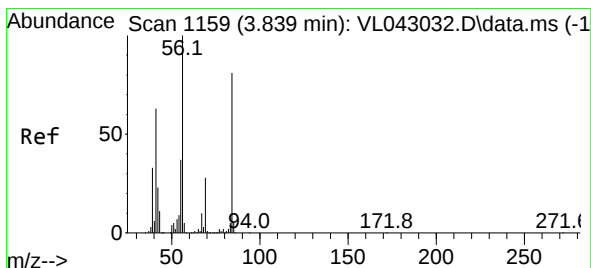
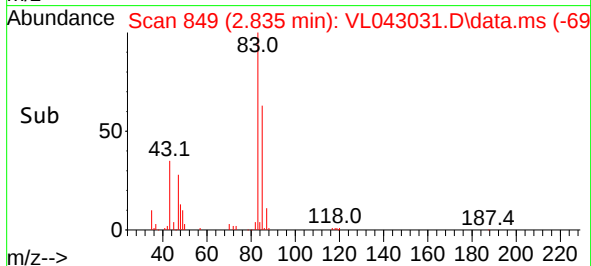
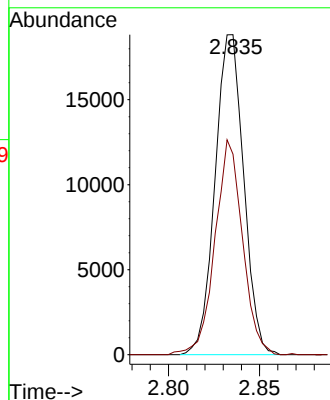
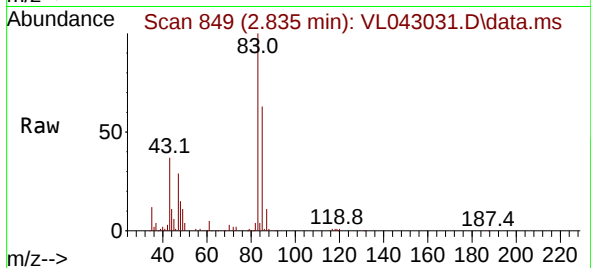
85 62.7 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025

Supervised By :Mahesh Dadoda 10/10/2025



#30

Cyclohexane

Concen: 0.427 ppbv

RT: 3.839 min Scan# 1159

Delta R.T. -0.000 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

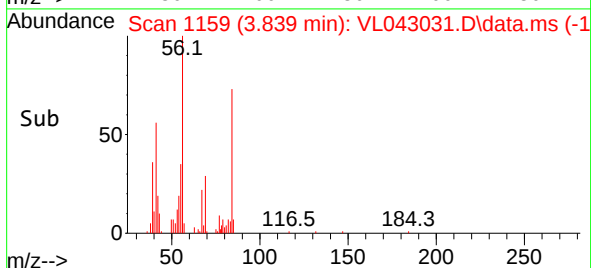
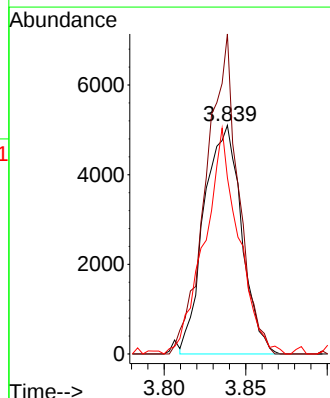
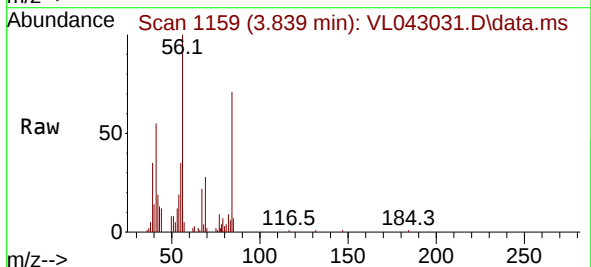
Tgt Ion: 84 Resp: 8149

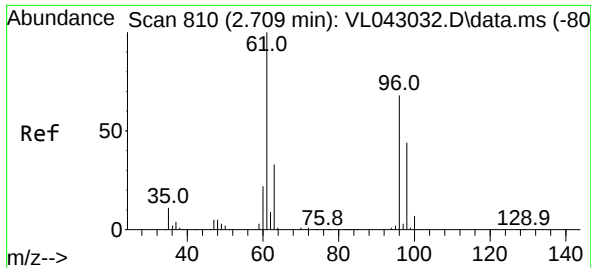
Ion Ratio Lower Upper

84 100

56 120.4 99.9 149.9

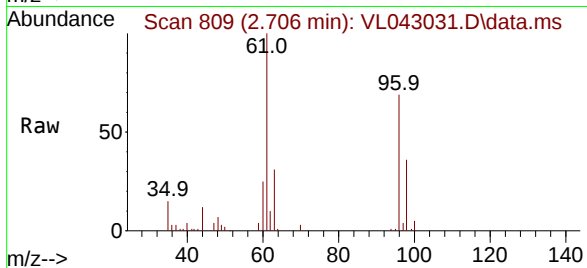
41 90.3 64.2 96.4





#31
 cis-1,2-Dichloroethene
 Concen: 0.478 ppbv
 RT: 2.706 min Scan# 809
 Delta R.T. -0.003 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50

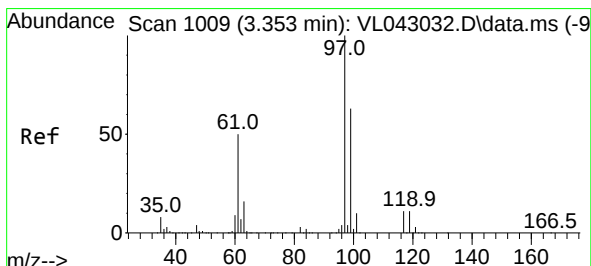
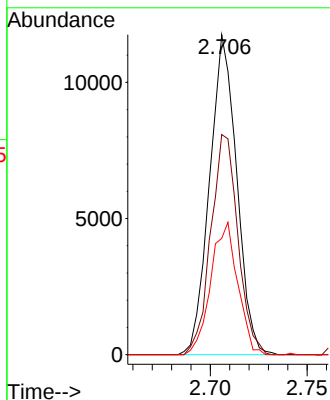
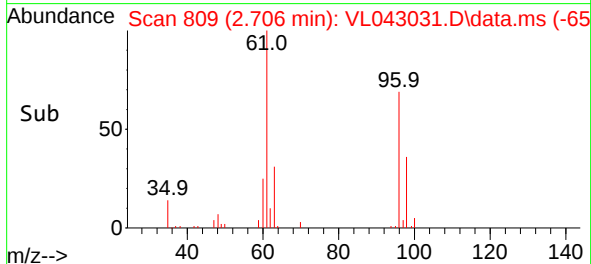
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



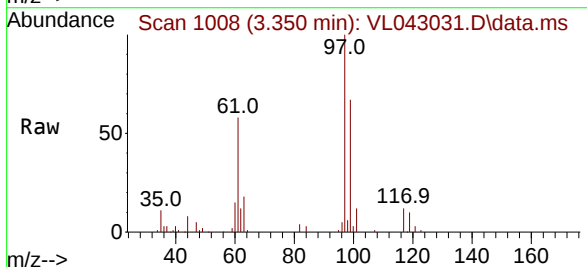
Tgt Ion: 61 Resp: 11430
 Ion Ratio Lower Upper
 61 100
 96 68.8 54.6 82.0
 98 36.3 34.8 52.2

Manual Integrations
 APPROVED

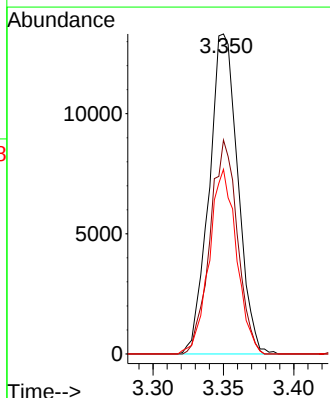
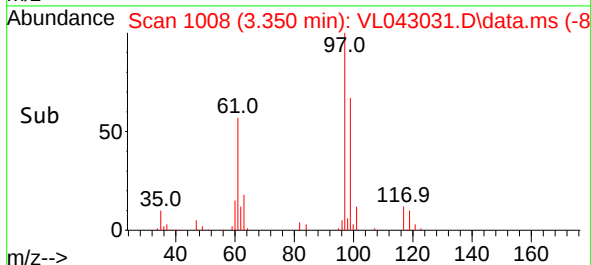
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

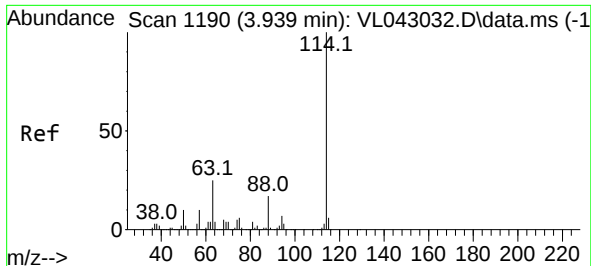


#32
 1,1,1-Trichloroethane
 Concen: 0.492 ppbv
 RT: 3.350 min Scan# 1008
 Delta R.T. -0.003 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50



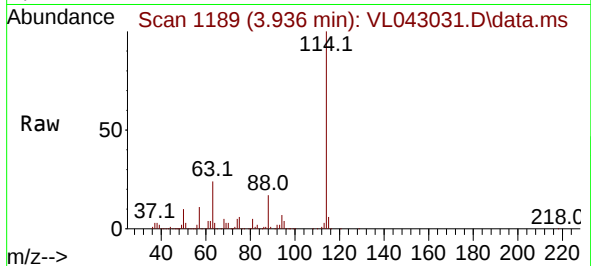
Tgt Ion: 97 Resp: 18962
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.2 76.8
 61 54.8 40.1 60.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.936 min Scan# 1190
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

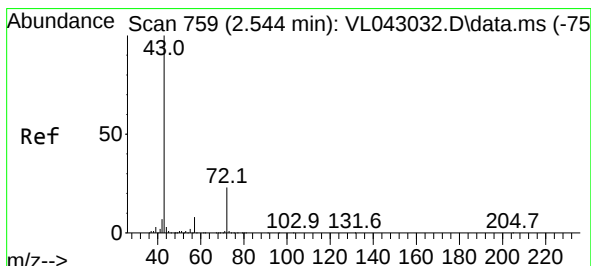
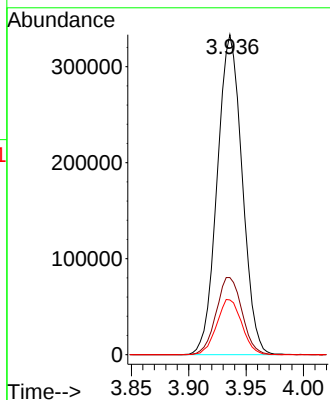
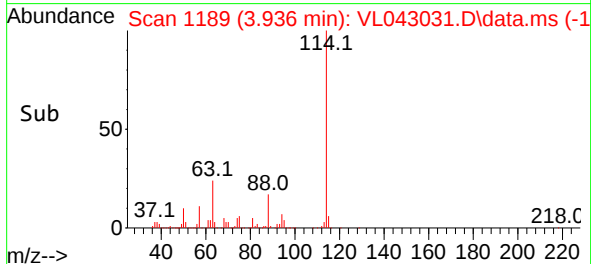
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion:114 Resp: 504004
Ion Ratio Lower Upper
114 100
63 25.0 19.4 29.2
88 17.3 13.9 20.9

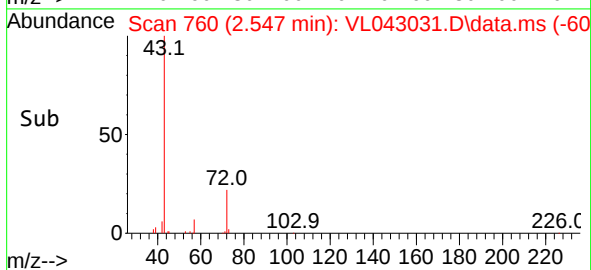
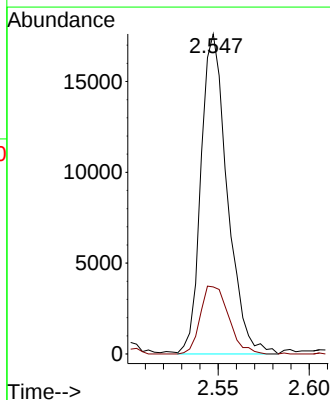
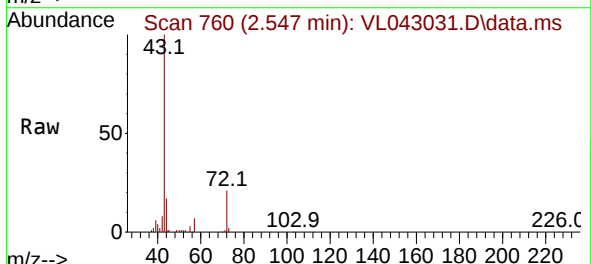
Manual Integrations
APPROVED

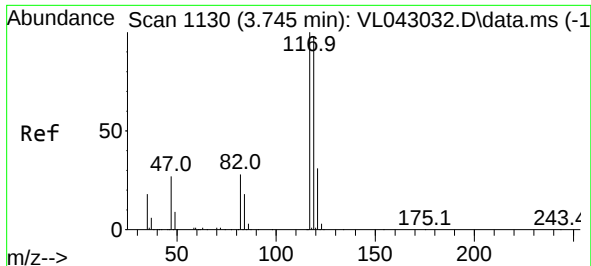
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#34
2-Butanone
Concen: 0.519 ppbv
RT: 2.547 min Scan# 760
Delta R.T. 0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

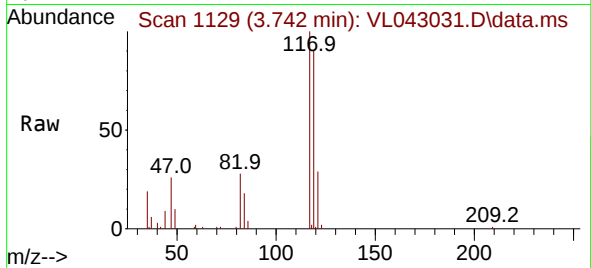
Tgt Ion: 43 Resp: 17736
Ion Ratio Lower Upper
43 100
72 22.8 18.4 27.6





#35
Carbon Tetrachloride
Concen: 0.496 ppbv
RT: 3.742 min Scan# 1130
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

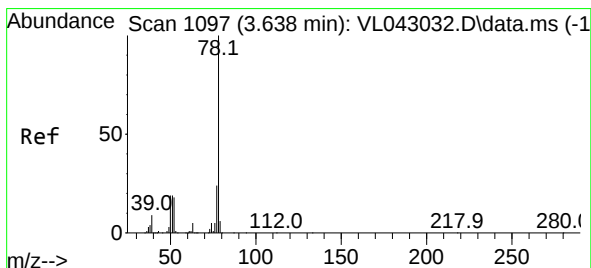
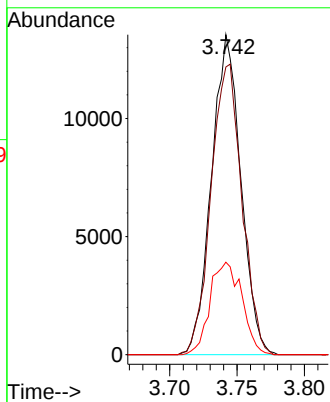
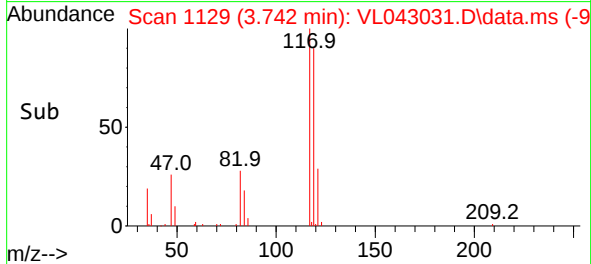
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:117 Resp: 20564
Ion Ratio Lower Upper
117 100
119 89.9 78.2 117.4
121 28.9 24.8 37.2

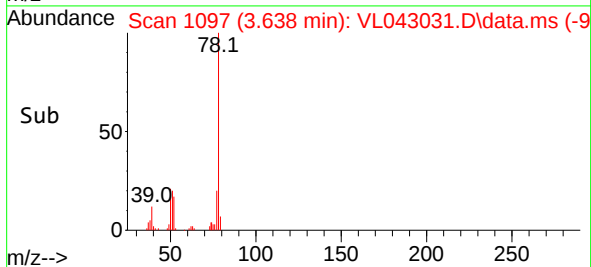
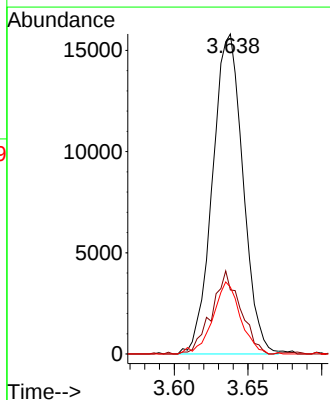
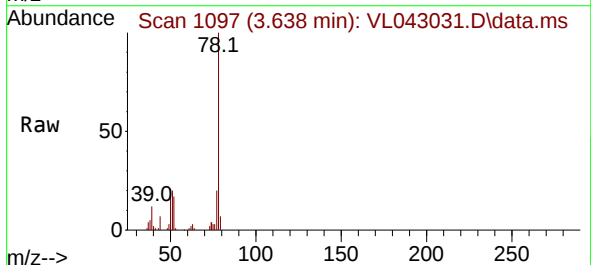
Manual Integrations
APPROVED

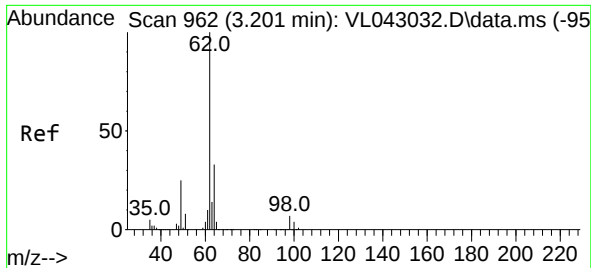
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#36
Benzene
Concen: 0.472 ppbv
RT: 3.638 min Scan# 1097
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

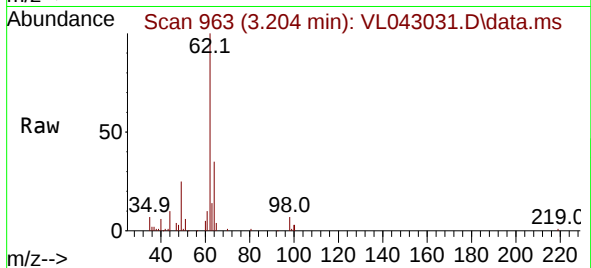
Tgt Ion: 78 Resp: 22717
Ion Ratio Lower Upper
78 100
77 20.0 19.2 28.8
50 20.9 14.9 22.3





#37
1,2-Dichloroethane
Concen: 0.516 ppbv
RT: 3.204 min Scan# 962
Delta R.T. 0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

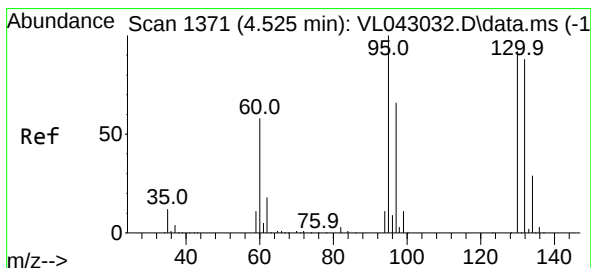
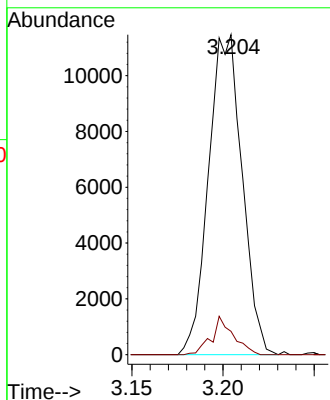
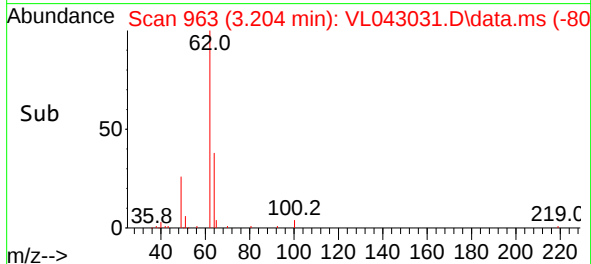
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



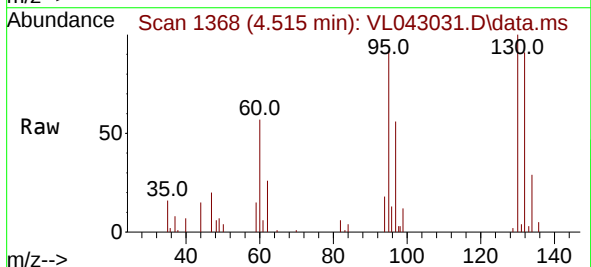
Tgt Ion: 62 Resp: 1471
Ion Ratio Lower Upper
62 100
98 7.8 5.6 8.4

Manual Integrations
APPROVED

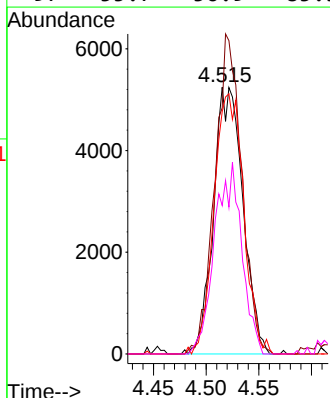
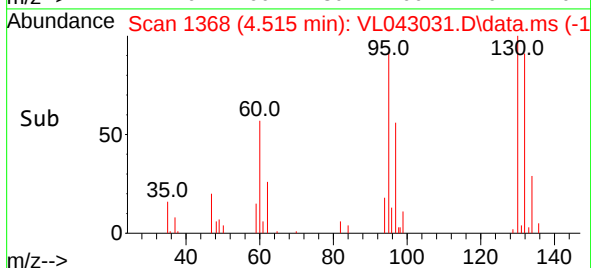
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

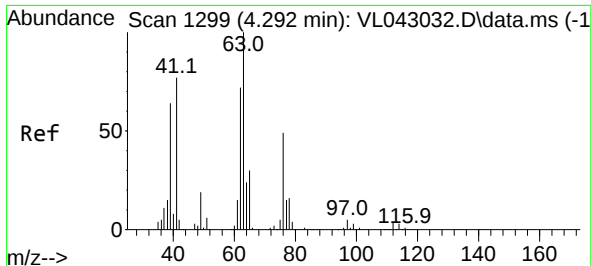


#38
Trichloroethene
Concen: 0.507 ppbv m
RT: 4.515 min Scan# 1368
Delta R.T. -0.010 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50



Tgt Ion:130 Resp: 10181
Ion Ratio Lower Upper
130 100
95 92.3 86.4 129.6
132 90.8 75.7 113.5
97 55.7 56.9 85.3#





#39

1,2-Dichloropropane

Concen: 0.508 ppbv

RT: 4.289 min Scan# 1298

Delta R.T. -0.003 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

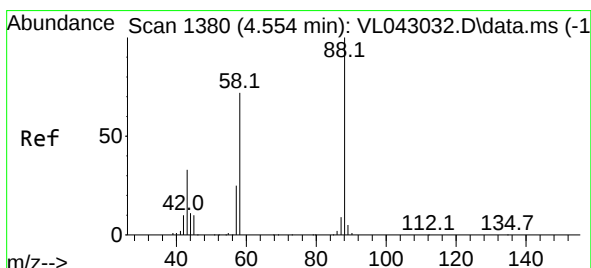
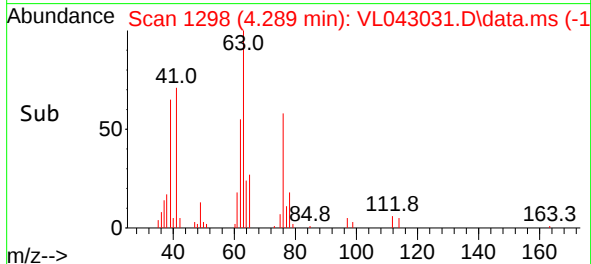
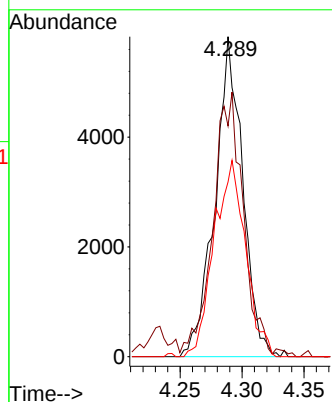
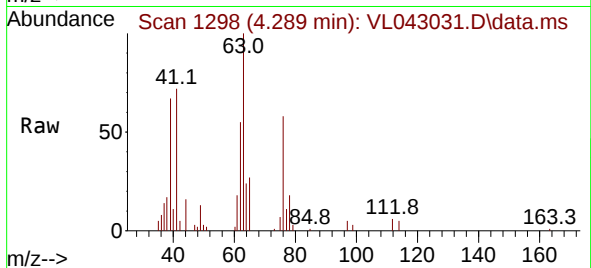
VSTDICC0.5

Tgt Ion:	63	Resp:	9070
Ion	Ratio	Lower	Upper
63	100		
41	70.8	61.6	92.4
62	54.6	58.1	87.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#40

1,4-Dioxane

Concen: 0.480 ppbv m

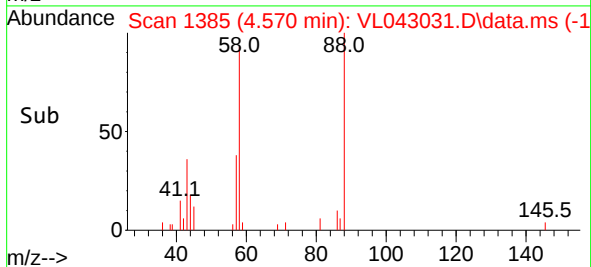
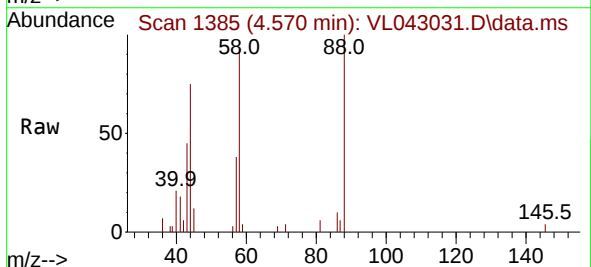
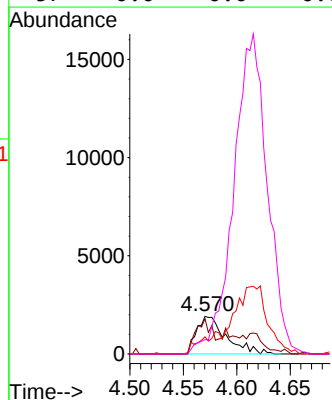
RT: 4.570 min Scan# 1385

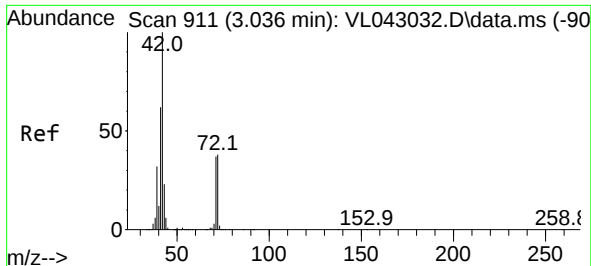
Delta R.T. 0.016 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

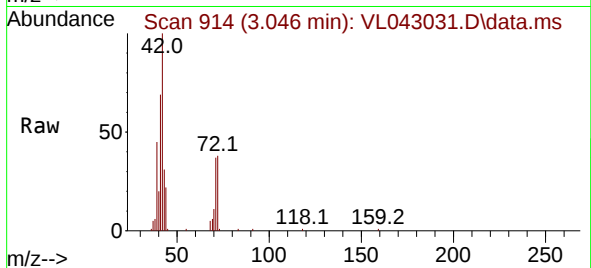
Tgt Ion:	88	Resp:	3676
Ion	Ratio	Lower	Upper
88	100		
58	83.7	56.2	84.2
43	0.0	25.7	38.5
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.423 ppbv
RT: 3.046 min Scan# 911
Delta R.T. 0.010 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

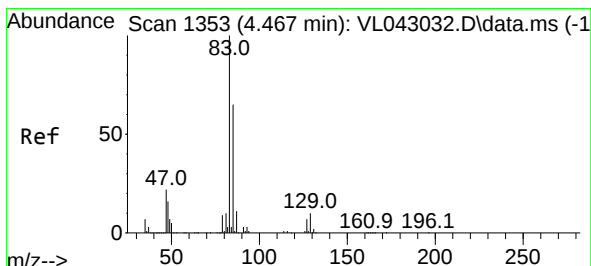
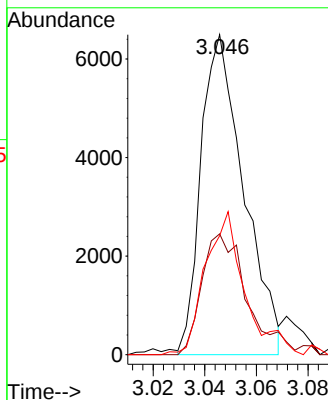
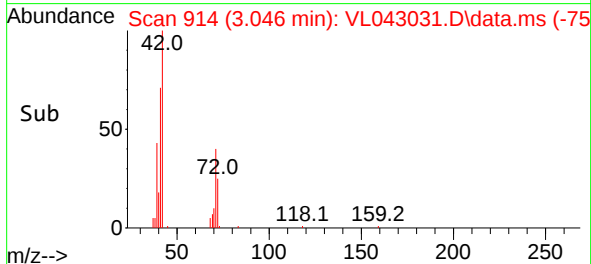
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:	42	Resp:	747
Ion Ratio	100	Lower	Upper
42	100		
72	40.6	31.0	46.6
71	41.6	29.8	44.6

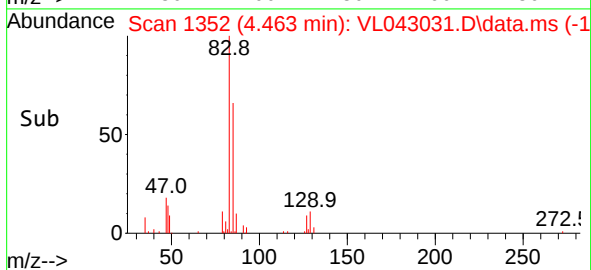
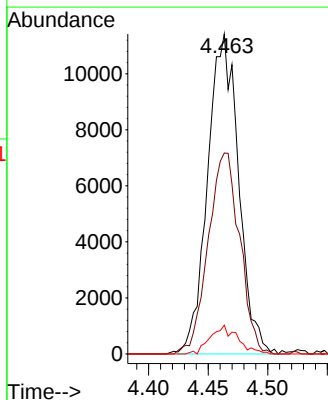
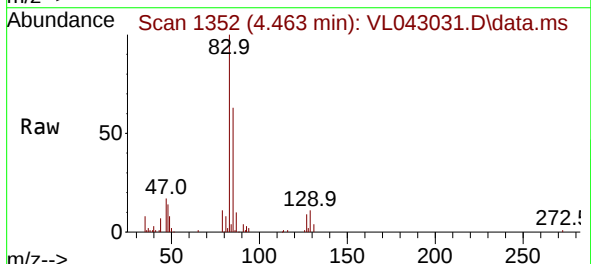
Manual Integrations
APPROVED

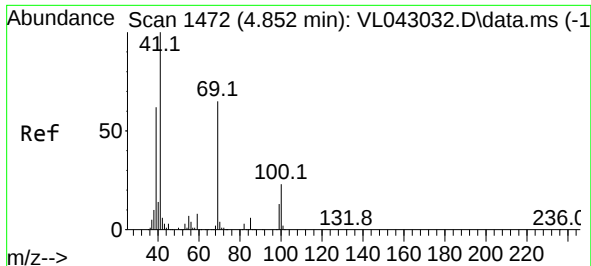
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#42
Bromodichloromethane
Concen: 0.512 ppbv
RT: 4.463 min Scan# 1352
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion:	83	Resp:	20614
Ion Ratio	100	Lower	Upper
83	100		
85	62.8	51.8	77.8
127	9.0	5.9	8.9





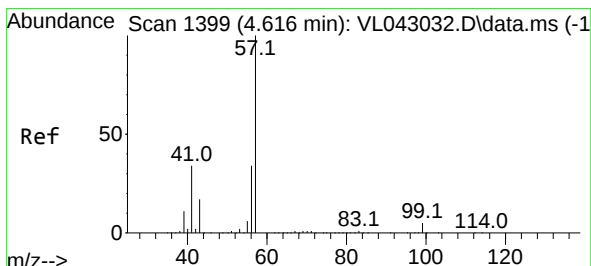
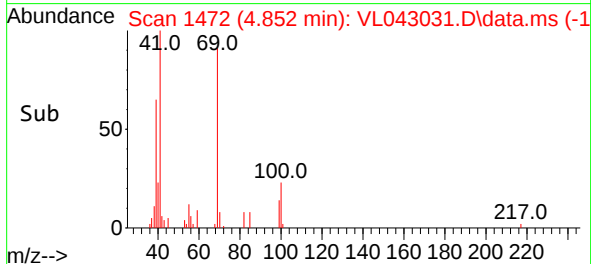
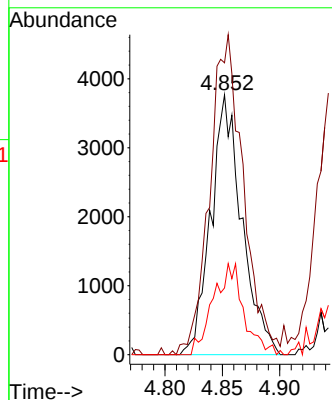
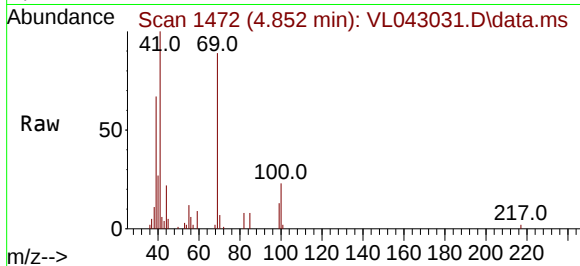
#43
Methyl Methacrylate
Concen: 0.444 ppbv
RT: 4.852 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 69 Resp: 7092
Ion Ratio Lower Upper
69 100
41 133.2 118.0 177.0
100 35.4 28.3 42.5

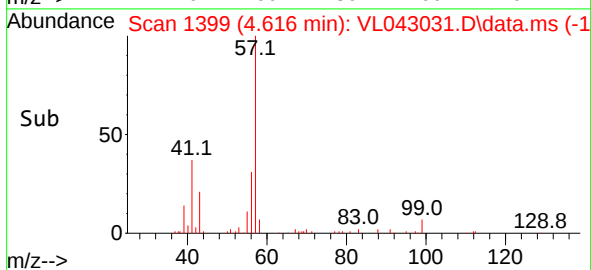
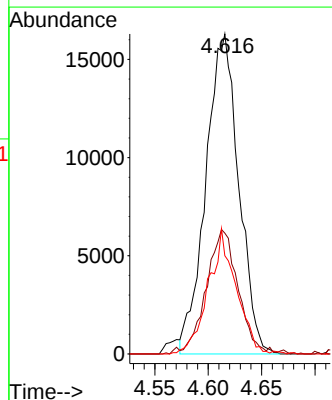
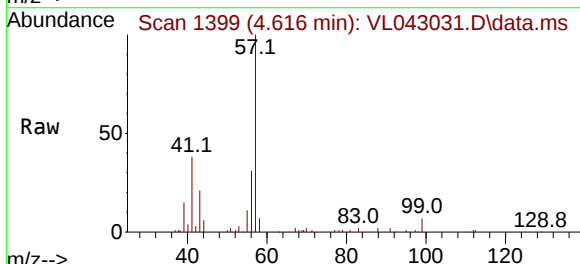
Manual Integrations
APPROVED

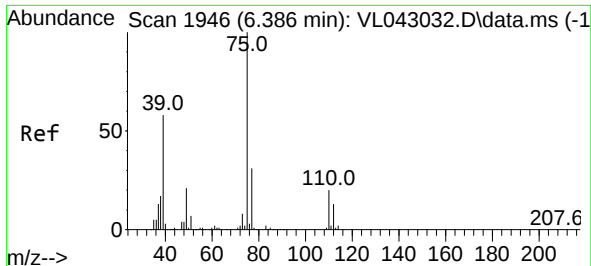
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#44
2,2,4-Trimethylpentane
Concen: 0.453 ppbv
RT: 4.616 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion: 57 Resp: 34977
Ion Ratio Lower Upper
57 100
41 37.9 27.0 40.4
56 33.3 26.0 39.0





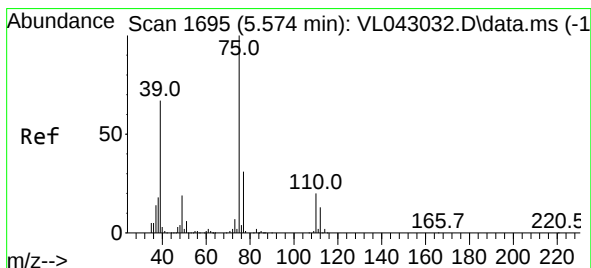
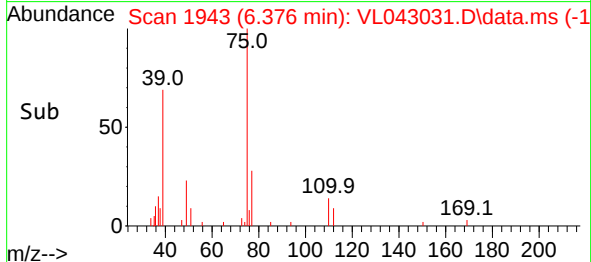
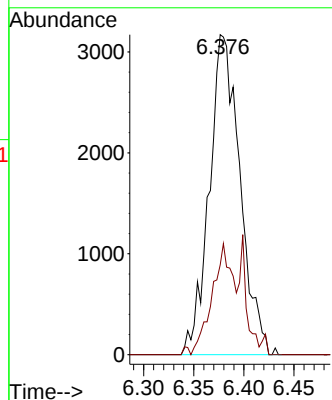
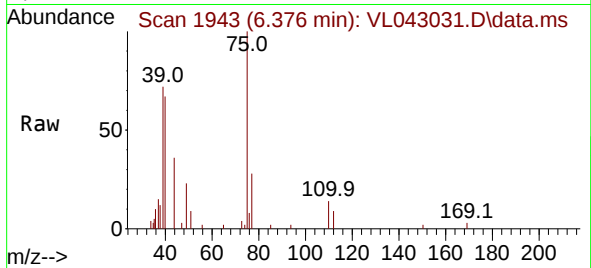
#45
t-1,3-Dichloropropene
Concen: 0.467 ppbv m
RT: 6.376 min Scan# 1946
Delta R.T. -0.010 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 75 Resp: 6760
Ion Ratio Lower Upper
75 100
77 28.0 24.7 37.1

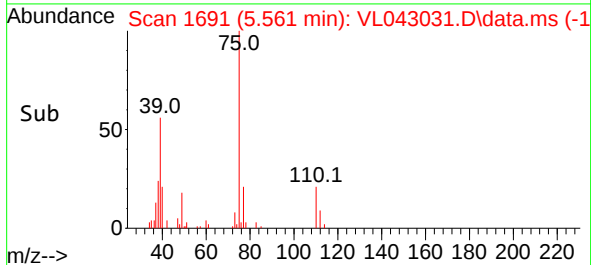
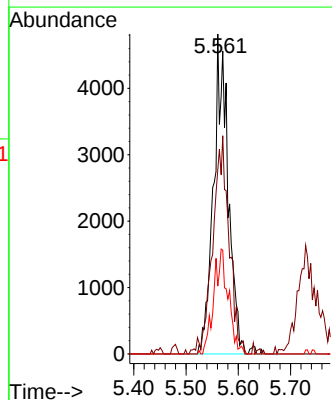
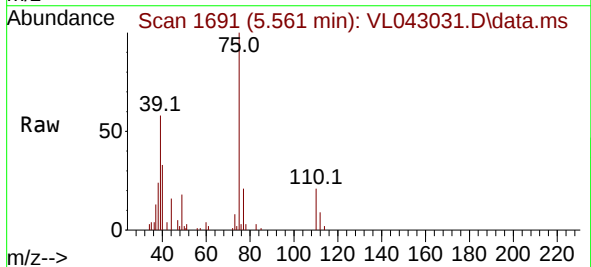
Manual Integrations
APPROVED

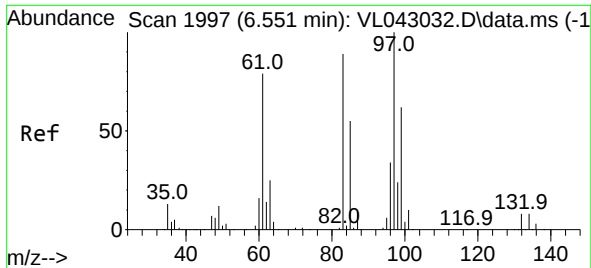
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#46
cis-1,3-Dichloropropene
Concen: 0.458 ppbv m
RT: 5.561 min Scan# 1691
Delta R.T. -0.013 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion: 75 Resp: 9423
Ion Ratio Lower Upper
75 100
39 57.6 53.4 80.0
77 21.2 25.0 37.4#





#47

1,1,2-Trichloroethane

Concen: 0.526 ppbv

RT: 6.551 min Scan# 1997

Delta R.T. -0.000 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 97 Resp: 10438

Ion Ratio Lower Upper

97 100

83 80.7 71.1 106.7

85 52.4 44.3 66.5

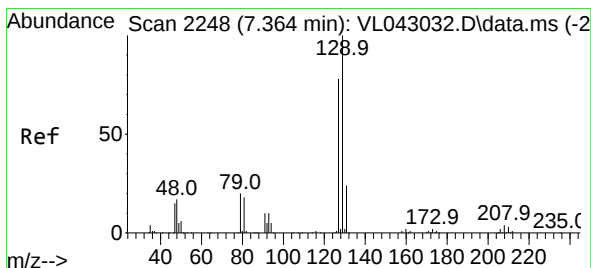
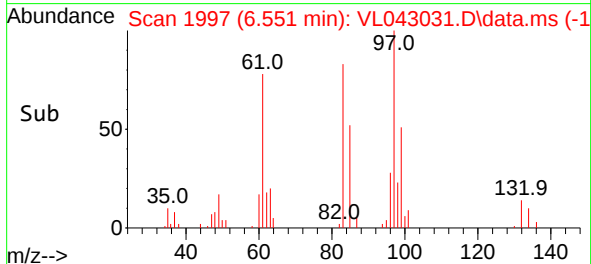
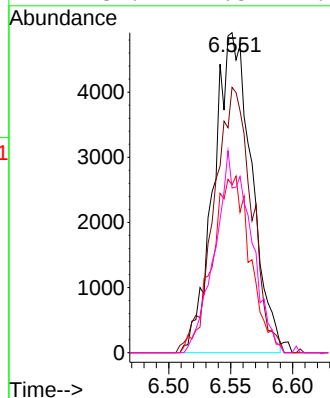
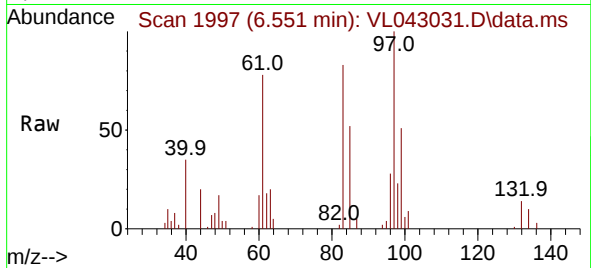
99 51.4 49.8 74.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025

Supervised By :Mahesh Dadoda 10/10/2025



#48

Dibromochloromethane

Concen: 0.474 ppbv

RT: 7.357 min Scan# 2246

Delta R.T. -0.007 min

Lab File: VL043031.D

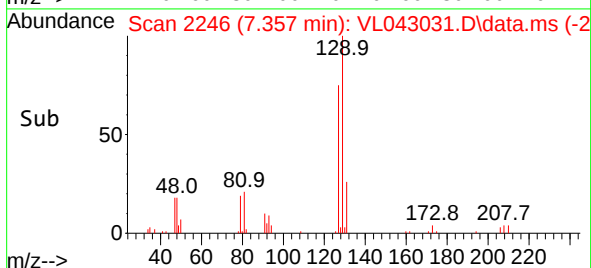
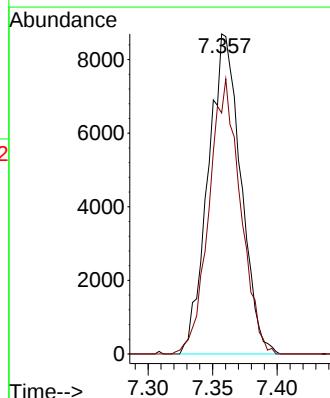
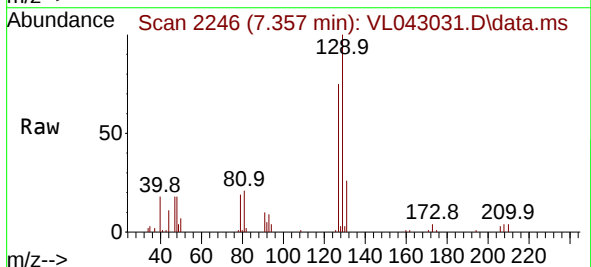
Acq: 02 Oct 2025 09:50

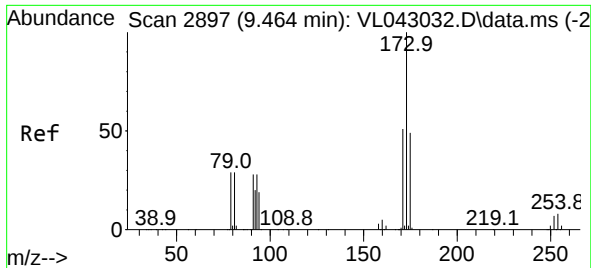
Tgt Ion:129 Resp: 15360

Ion Ratio Lower Upper

129 100

127 82.3 38.6 116.0





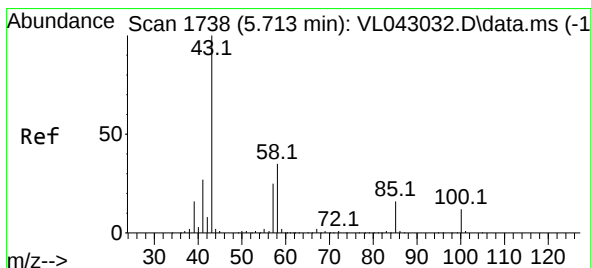
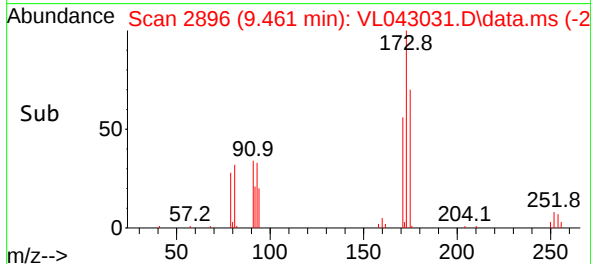
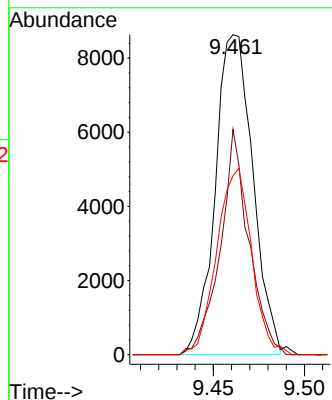
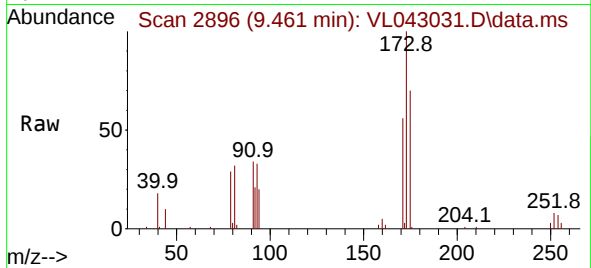
#49
Bromoform
Concen: 0.458 ppbv
RT: 9.461 min Scan# 2896
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 173 Resp: 12398
Ion Ratio Lower Upper
173 100
175 53.5 39.1 58.7
171 54.0 41.4 62.2

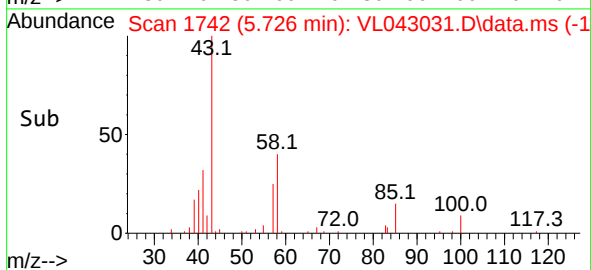
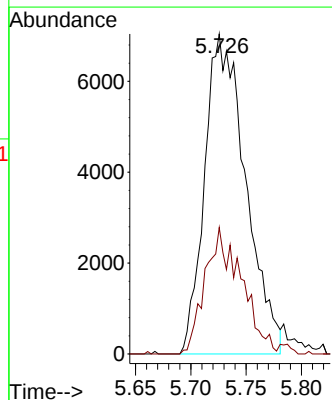
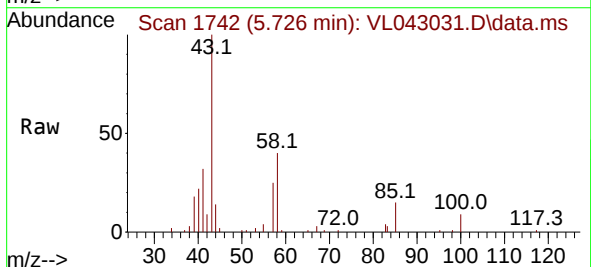
Manual Integrations
APPROVED

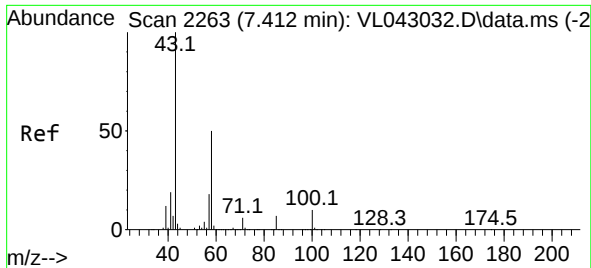
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#50
4-Methyl-2-Pentanone
Concen: 0.434 ppbv
RT: 5.726 min Scan# 1742
Delta R.T. 0.013 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

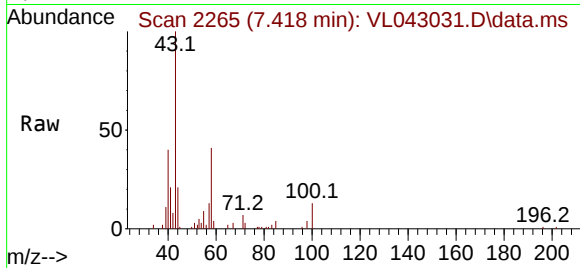
Tgt Ion: 43 Resp: 18115
Ion Ratio Lower Upper
43 100
58 36.0 28.7 43.1





#51
2-Hexanone
Concen: 0.373 ppbv m
RT: 7.418 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

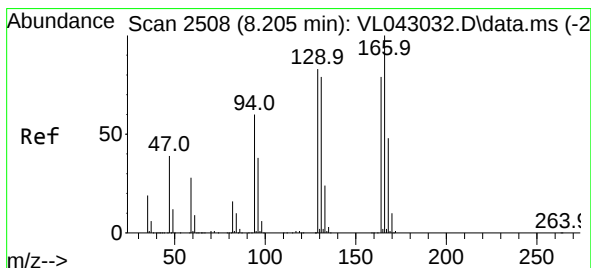
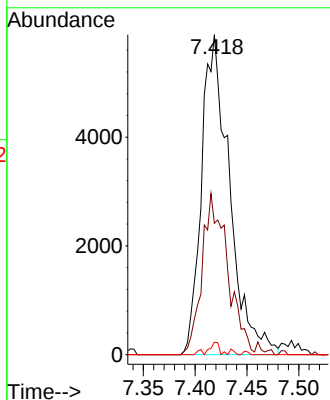
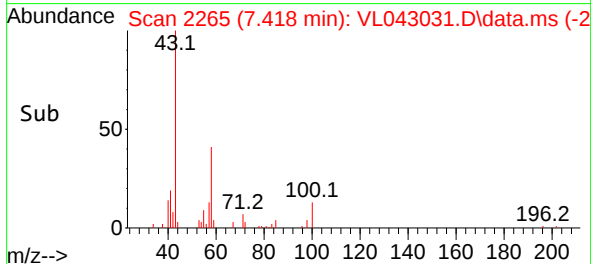
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



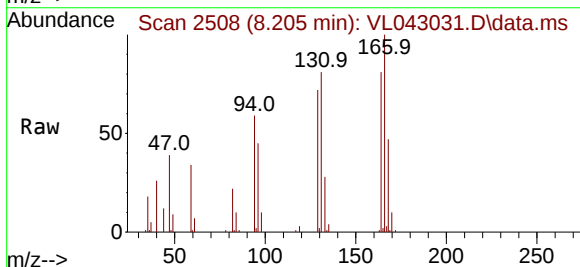
Tgt Ion: 43 Resp: 1104
Ion Ratio Lower Upper
43 100
58 47.5 39.1 58.7
98 1.8 0.5 0.7

Manual Integrations
APPROVED

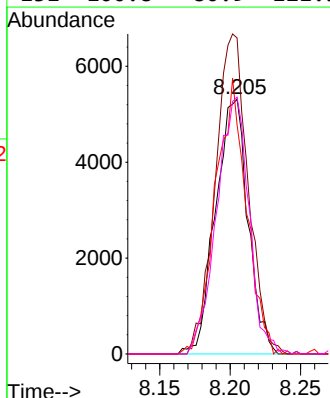
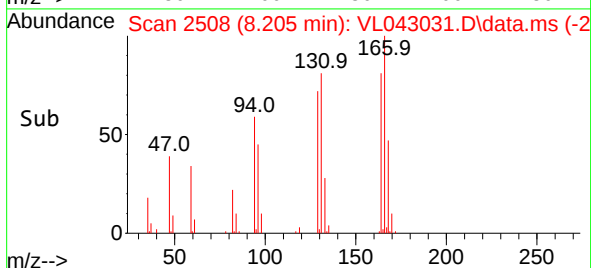
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

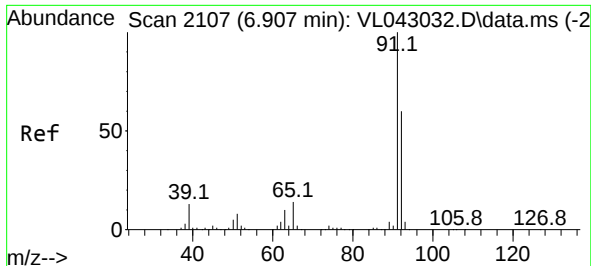


#52
Tetrachloroethene
Concen: 0.476 ppbv
RT: 8.205 min Scan# 2508
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50



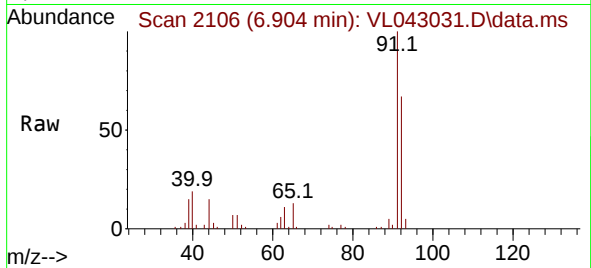
Tgt Ion:164 Resp: 8537
Ion Ratio Lower Upper
164 100
166 124.1 101.8 152.8
129 89.9 84.5 126.7
131 100.8 80.9 121.3





#53
Toluene
Concen: 0.410 ppbv m
RT: 6.904 min Scan# 2107
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

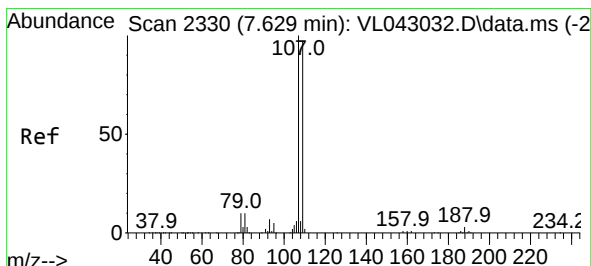
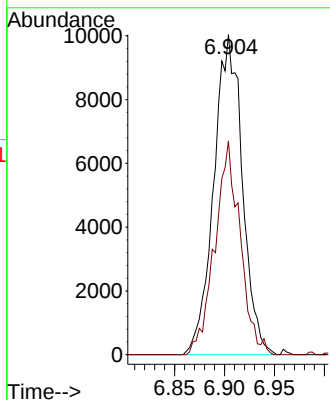
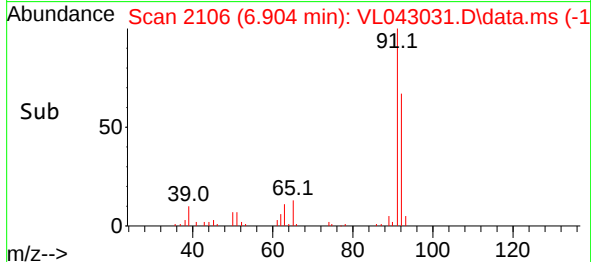
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



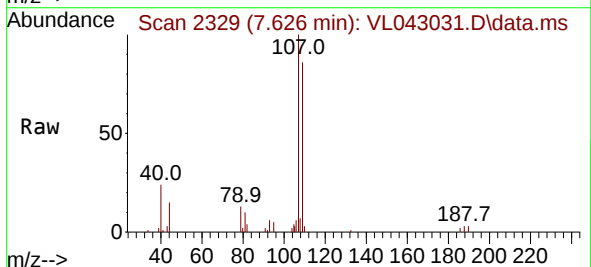
Tgt Ion: 91 Resp: 1991
Ion Ratio Lower Upper
91 100
92 59.2 47.8 71.6

Manual Integrations
APPROVED

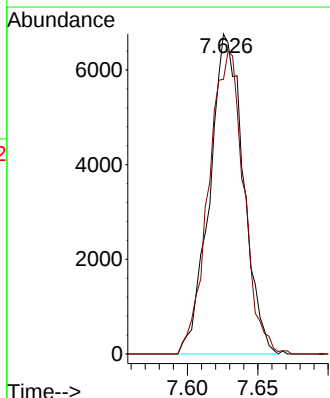
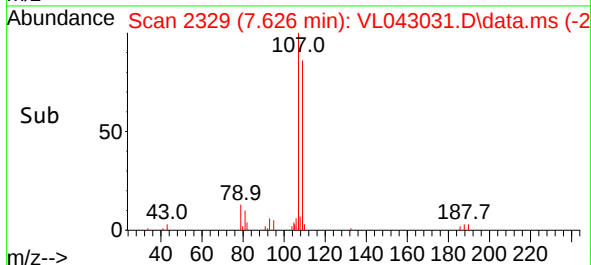
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

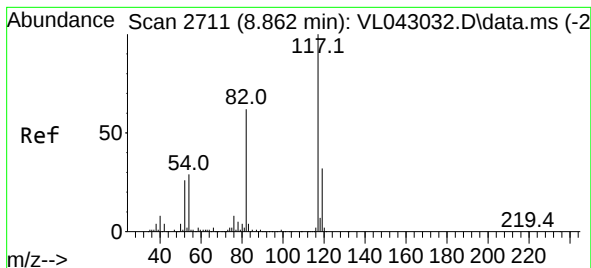


#54
1,2-Dibromoethane
Concen: 0.479 ppbv
RT: 7.626 min Scan# 2329
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50



Tgt Ion:107 Resp: 11279
Ion Ratio Lower Upper
107 100
109 85.8 77.4 116.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.859 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

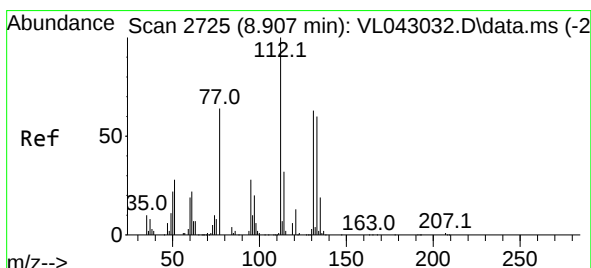
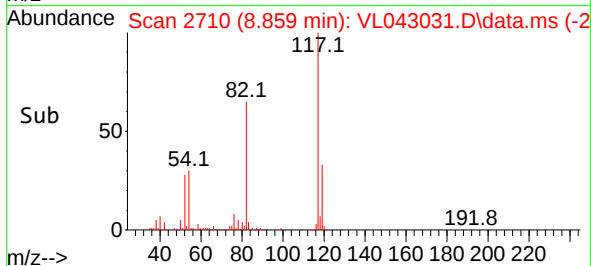
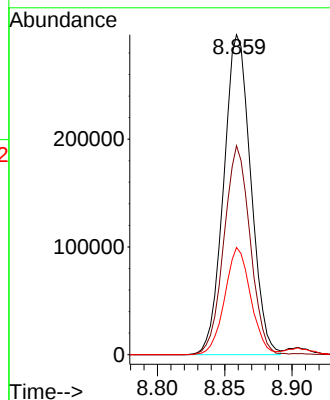
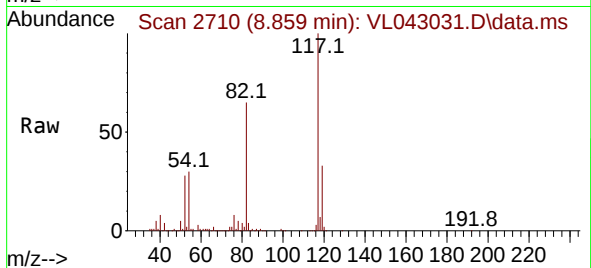
Tgt Ion:117 Resp: 41511

Ion	Ratio	Lower	Upper
117	100		
82	63.5	53.0	79.6
119	34.2	25.4	38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 0.517 ppbv

RT: 8.901 min Scan# 2723

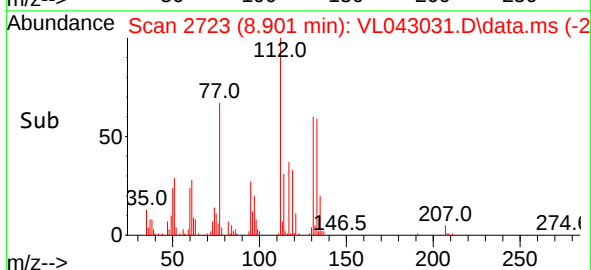
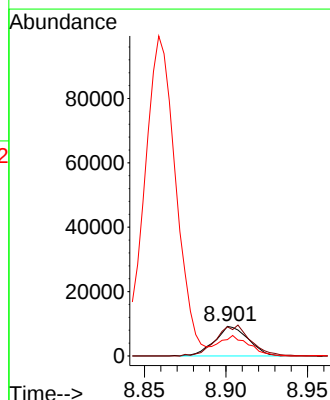
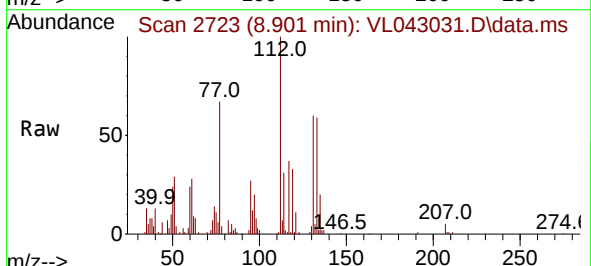
Delta R.T. -0.007 min

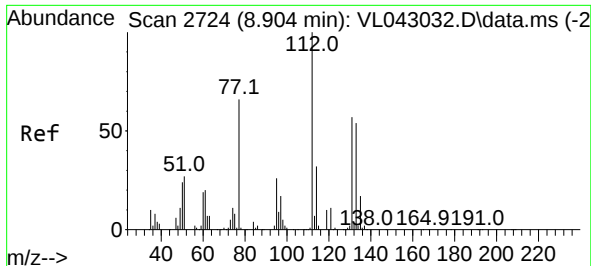
Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Tgt Ion:131 Resp: 13091

Ion	Ratio	Lower	Upper
131	100		
133	107.1	76.2	114.4
119	1083.3	49.4	74.2#





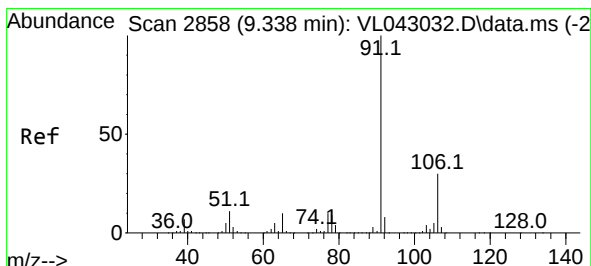
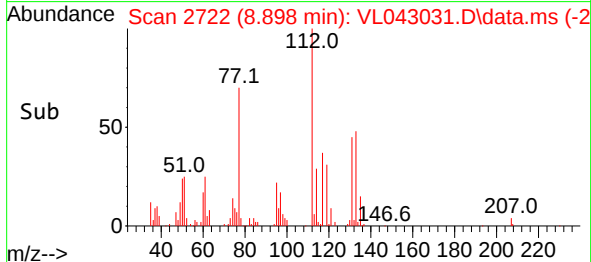
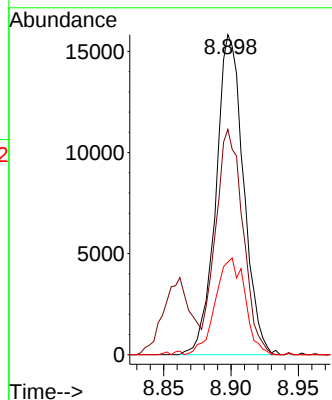
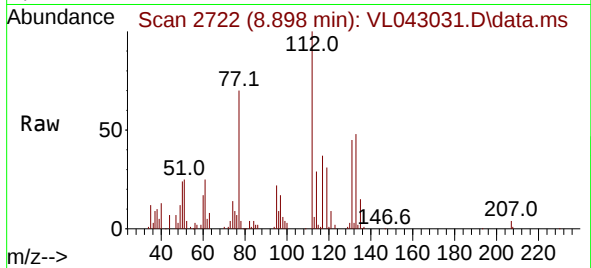
#57
Chlorobenzene
Concen: 0.514 ppbv
RT: 8.898 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 112 Resp: 2257
Ion Ratio Lower Upper
112 100
77 70.4 53.2 79.8
114 28.9 28.6 35.0

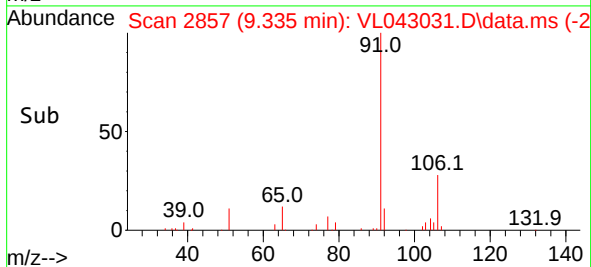
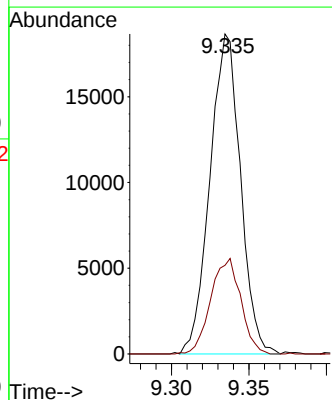
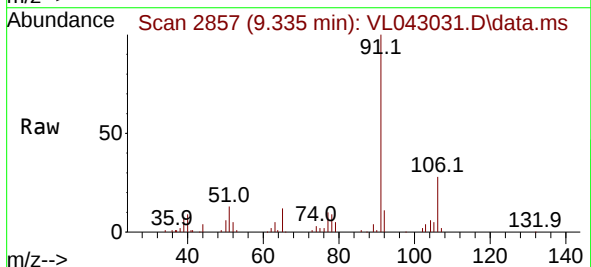
Manual Integrations
APPROVED

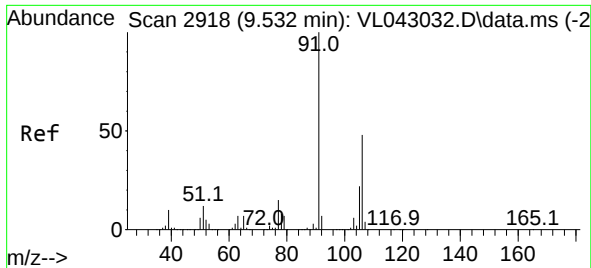
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#58
Ethyl Benzene
Concen: 0.398 ppbv
RT: 9.335 min Scan# 2857
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion: 91 Resp: 25575
Ion Ratio Lower Upper
91 100
106 27.7 24.1 36.1





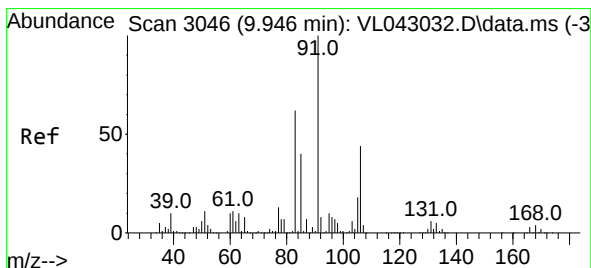
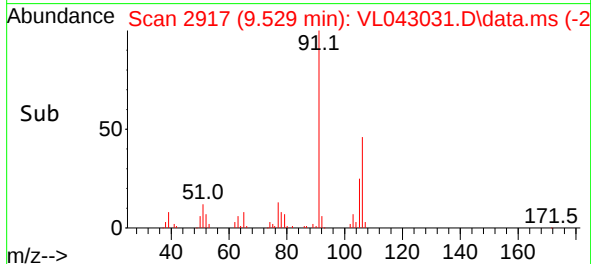
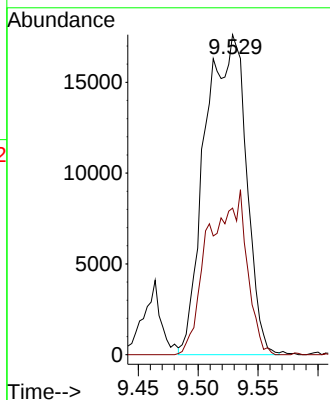
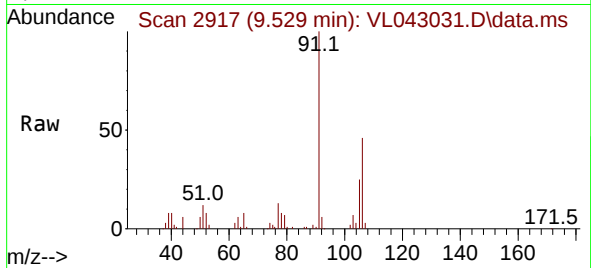
#59
m/p-Xylene
Concen: 0.774 ppbv m
RT: 9.529 min Scan# 2918
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 42000
Ion Ratio Lower Upper
91 100
106 47.7 37.5 56.3

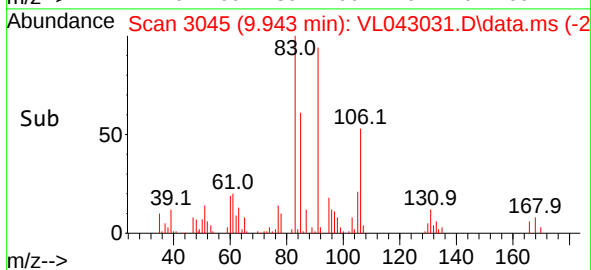
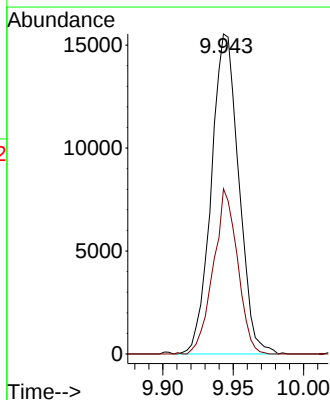
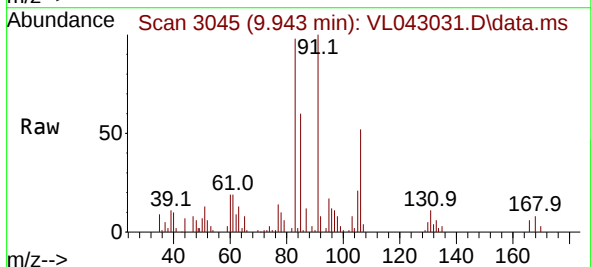
Manual Integrations
APPROVED

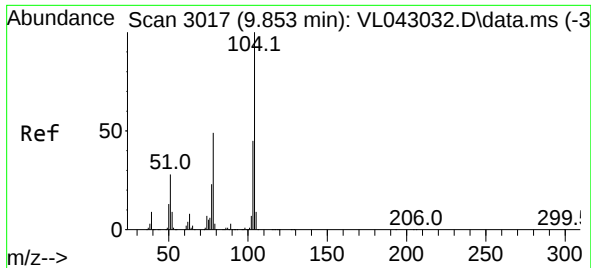
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#60
o-Xylene
Concen: 0.392 ppbv
RT: 9.943 min Scan# 3045
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

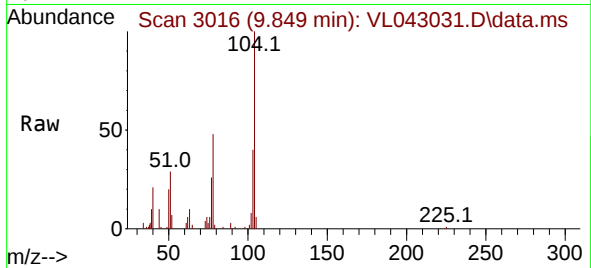
Tgt Ion: 91 Resp: 21166
Ion Ratio Lower Upper
91 100
106 45.3 21.9 65.5





#61
Styrene
Concen: 0.365 ppbv
RT: 9.849 min Scan# 3017
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

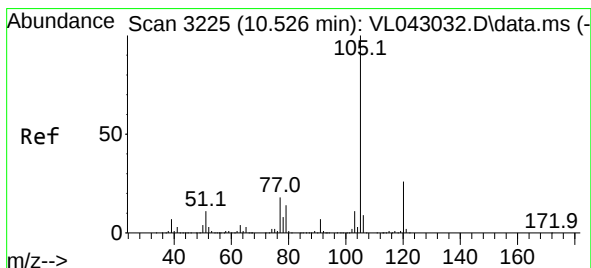
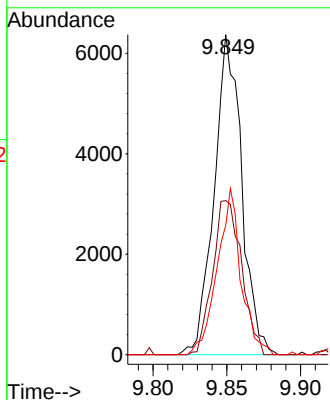
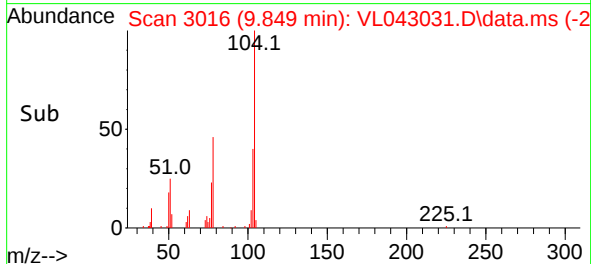
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



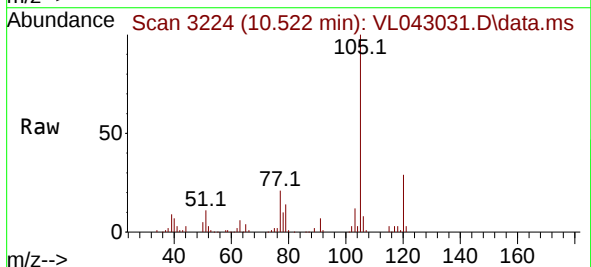
Tgt Ion:104 Resp: 8258
Ion Ratio Lower Upper
104 100
78 50.8 39.7 59.5
103 45.1 37.6 56.4

Manual Integrations
APPROVED

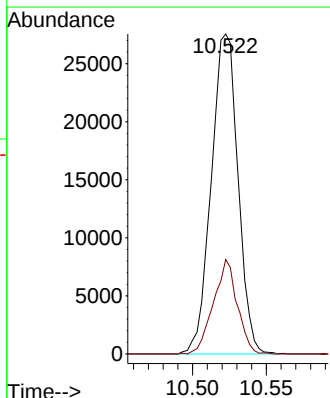
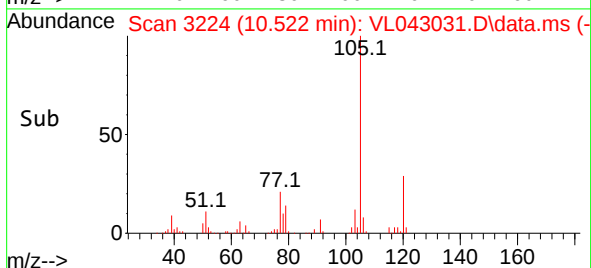
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

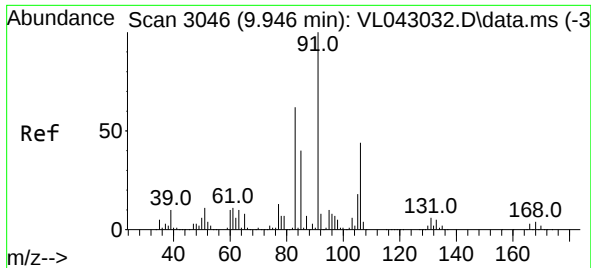


#62
Isopropylbenzene
Concen: 0.419 ppbv
RT: 10.522 min Scan# 3224
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50



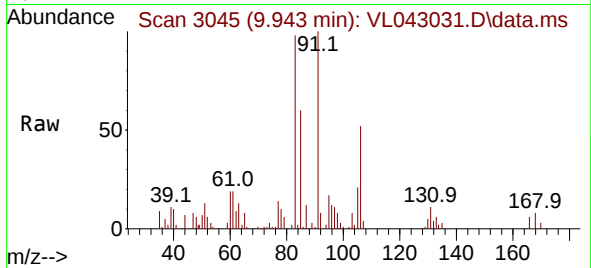
Tgt Ion:105 Resp: 34761
Ion Ratio Lower Upper
105 100
120 26.2 20.6 31.0





#63
1,1,2,2-Tetrachloroethane
Concen: 0.490 ppbv
RT: 9.943 min Scan# 3045
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

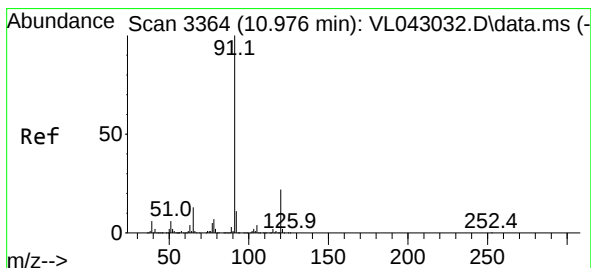
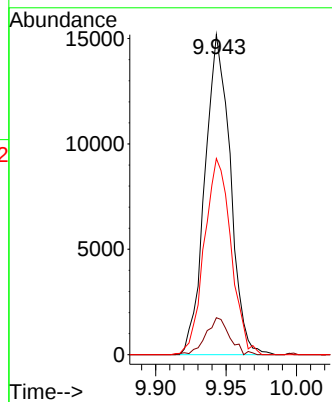
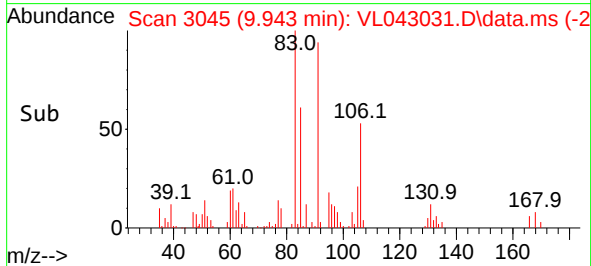
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 83 Resp: 1906
Ion Ratio Lower Upper
83 100
131 10.7 4.7 14.1
85 64.6 32.0 96.2

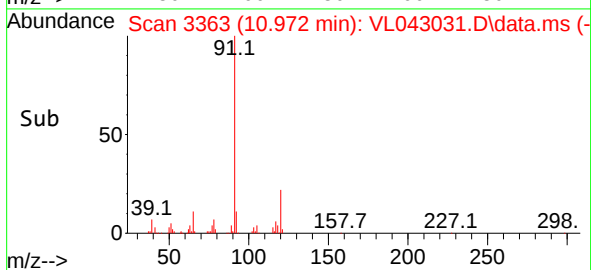
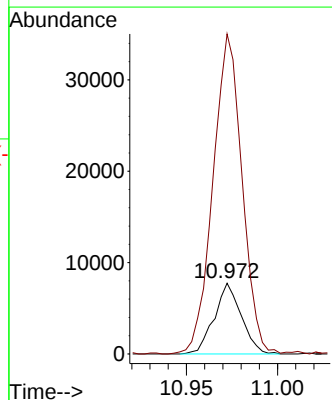
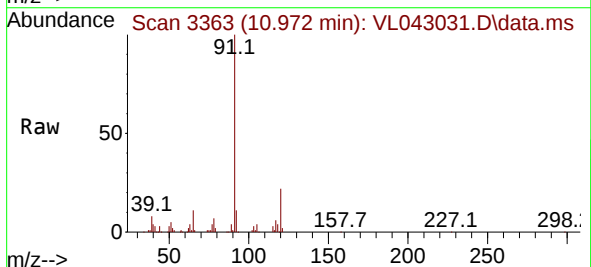
Manual Integrations
APPROVED

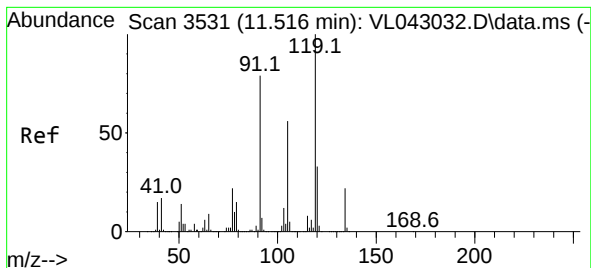
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#64
n-propylbenzene
Concen: 0.375 ppbv
RT: 10.972 min Scan# 3363
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

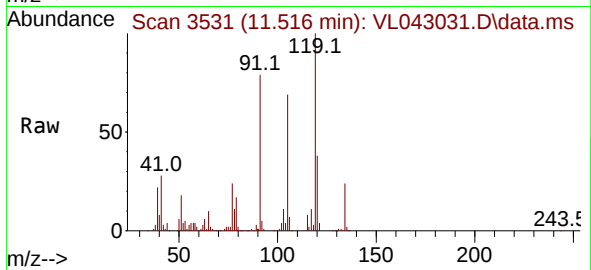
Tgt Ion:120 Resp: 7963
Ion Ratio Lower Upper
120 100
91 491.7 367.0 550.4





#65
tert-Butylbenzene
Concen: 0.389 ppbv
RT: 11.516 min Scan# 3531
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

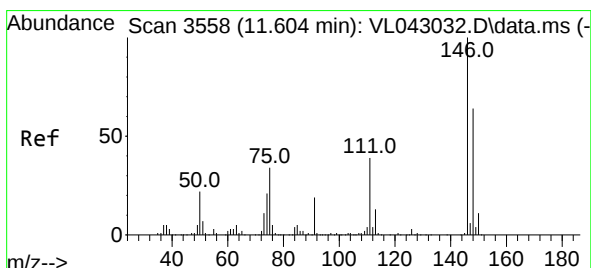
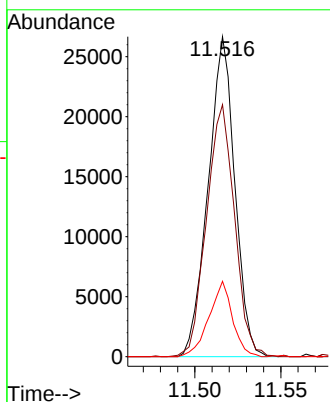
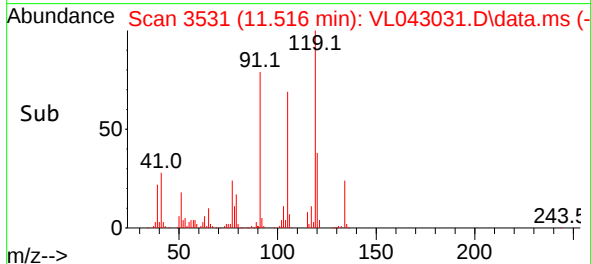
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 119 Resp: 28729
Ion Ratio Lower Upper
119 100
91 82.6 63.1 94.7
134 21.0 16.9 25.3

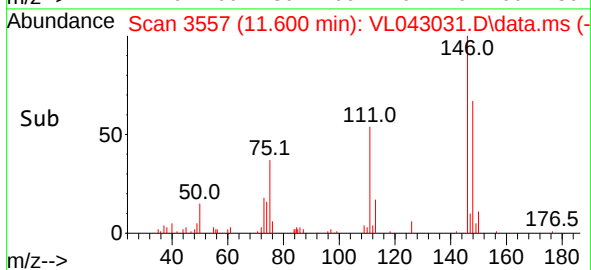
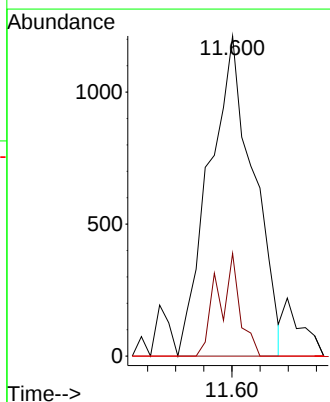
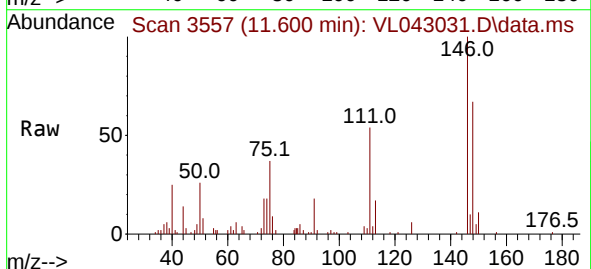
Manual Integrations
APPROVED

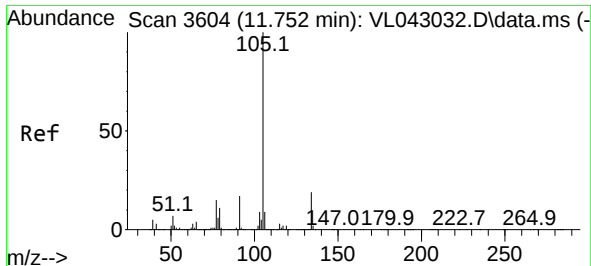
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#66
Benzyl Chloride
Concen: 0.462 ppbv
RT: 11.600 min Scan# 3557
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion: 91 Resp: 1321
Ion Ratio Lower Upper
91 100
126 16.0 14.2 21.4
128 0.0 4.8 7.2#





#67

sec-Butylbenzene

Concen: 0.385 ppbv

RT: 11.752 min Scan# 30

Delta R.T. -0.000 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:105 Resp: 39670

Ion Ratio Lower Upper

105 100

134 19.7 15.2 22.8

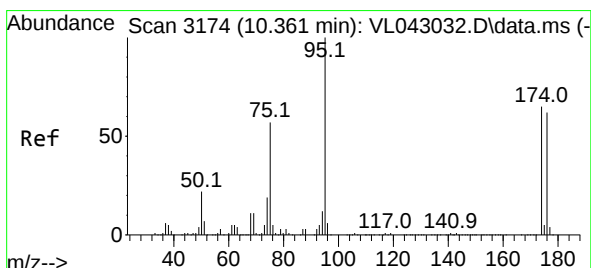
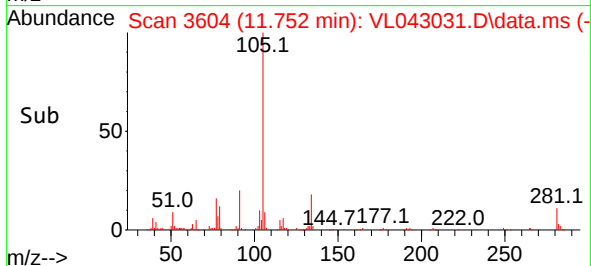
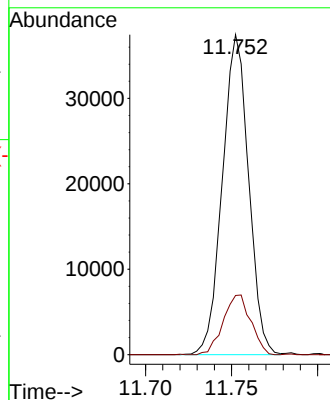
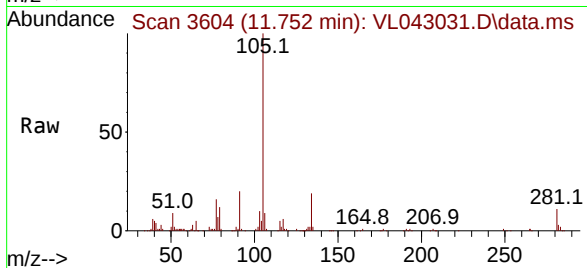
Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025

Supervised By :Mahesh Dadoda

10/10/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.086 ppbv

RT: 10.357 min Scan# 3173

Delta R.T. -0.003 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

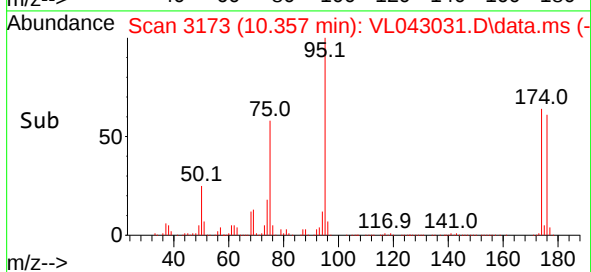
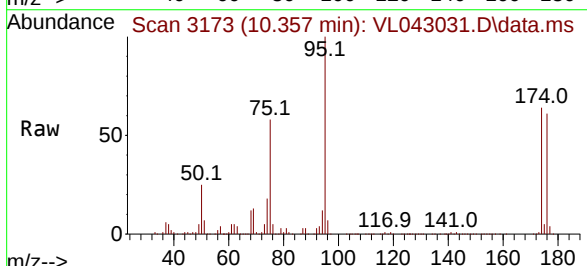
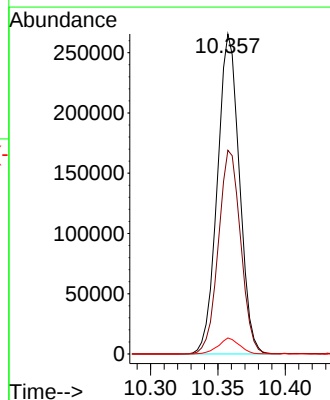
Tgt Ion: 95 Resp: 301605

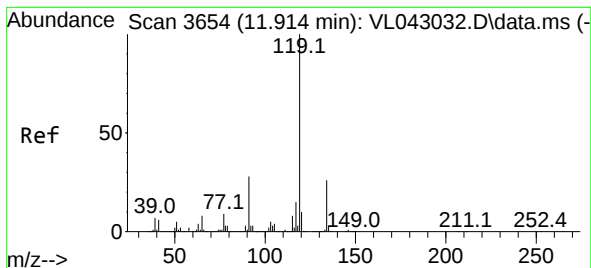
Ion Ratio Lower Upper

95 100

174 64.6 52.3 78.5

175 4.9 3.8 5.8





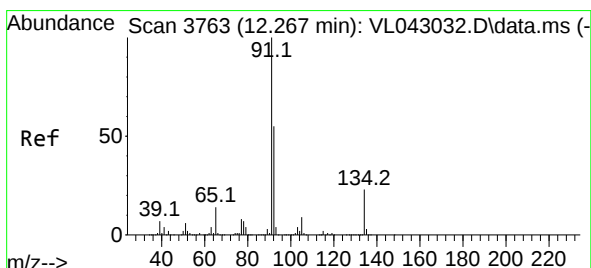
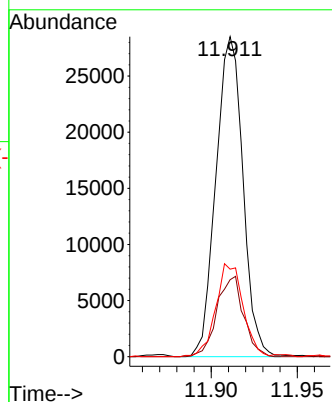
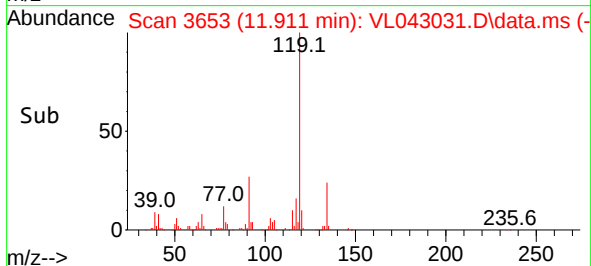
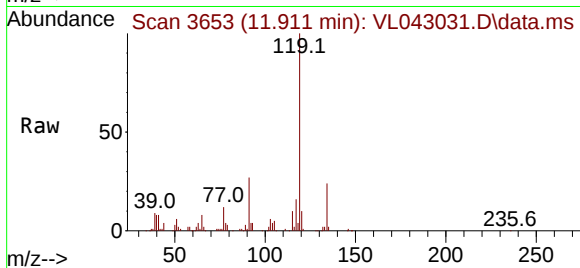
#69
p-Isopropyltoluene
Concen: 0.371 ppbv
RT: 11.911 min Scan# 3653
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 119 Resp: 31118
Ion Ratio Lower Upper
119 100
134 24.8 20.5 30.7
91 29.7 22.6 33.8

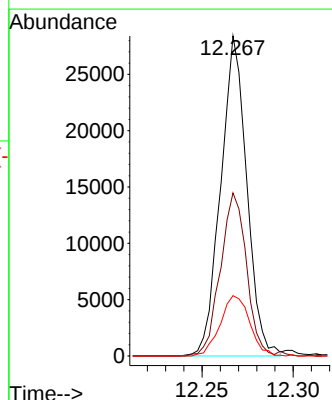
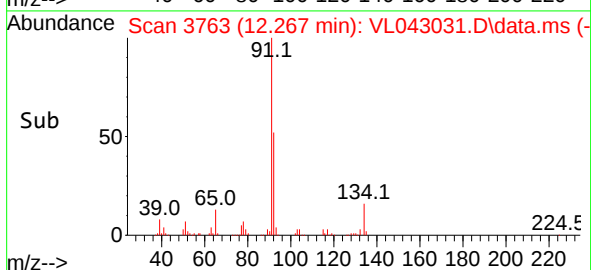
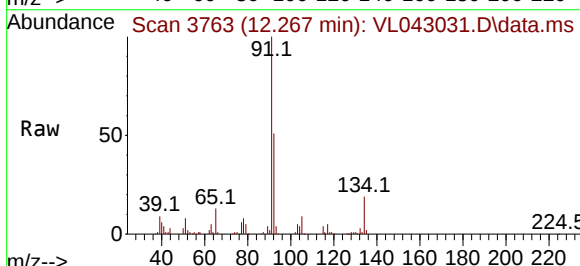
Manual Integrations
APPROVED

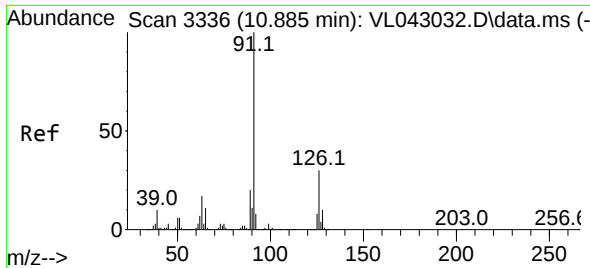
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#70
n-Butylbenzene
Concen: 0.350 ppbv
RT: 12.267 min Scan# 3763
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion: 91 Resp: 28253
Ion Ratio Lower Upper
91 100
92 51.2 43.9 65.9
134 21.3 18.9 28.3





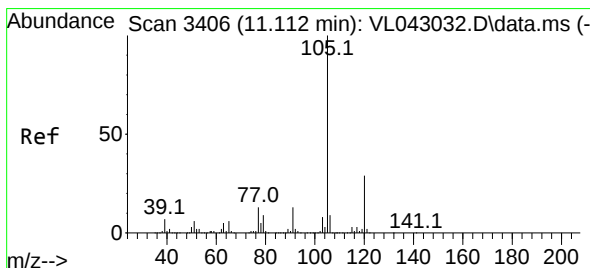
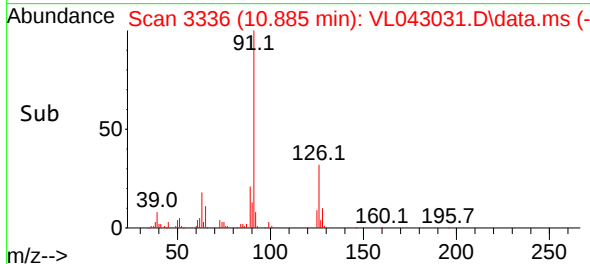
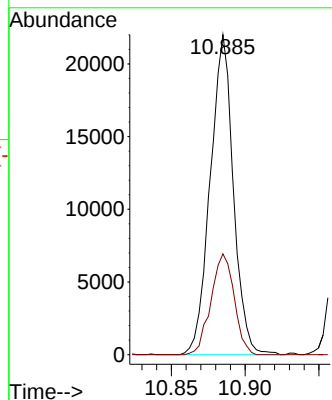
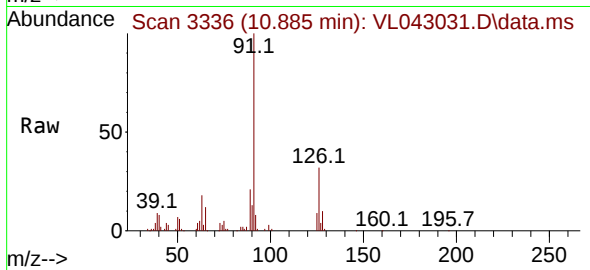
#71
2-Chlorotoluene
Concen: 0.400 ppbv
RT: 10.885 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 24004
Ion Ratio Lower Upper
91 100
126 31.6 12.2 48.6

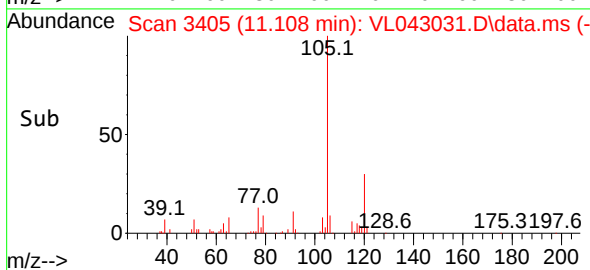
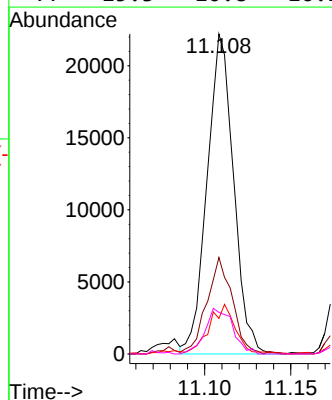
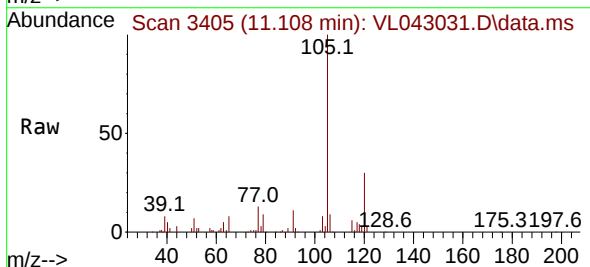
Manual Integrations
APPROVED

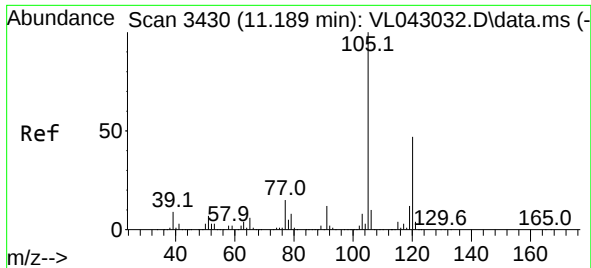
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#72
4-Ethyltoluene
Concen: 0.369 ppbv
RT: 11.108 min Scan# 3405
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion:105 Resp: 23762
Ion Ratio Lower Upper
105 100
120 30.5 23.5 35.3
91 16.2 10.4 15.6#
77 15.3 10.8 16.2





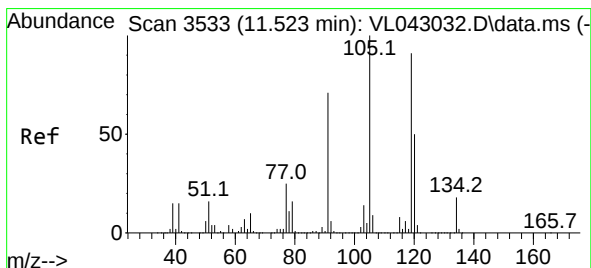
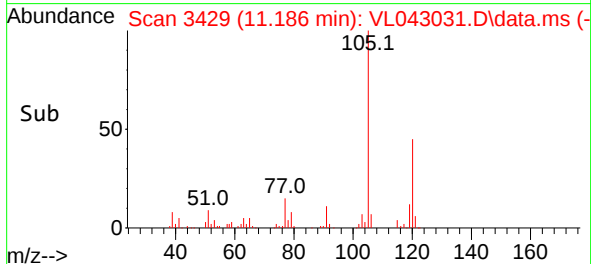
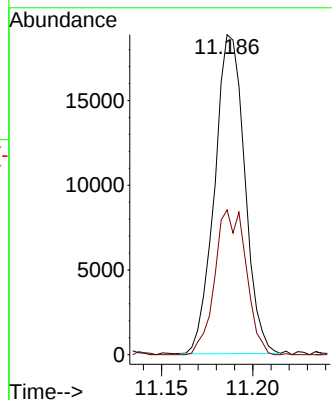
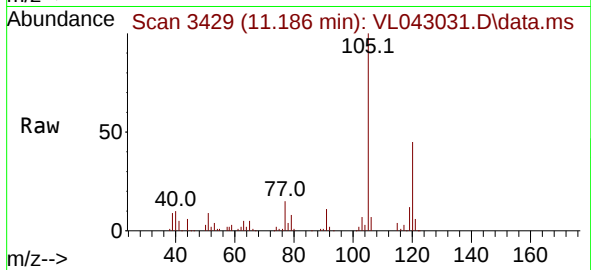
#73
1,3,5-Trimethylbenzene
Concen: 0.389 ppbv
RT: 11.186 min Scan# 3430
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:105 Resp: 2161
Ion Ratio Lower Upper
105 100
120 45.4 37.5 56.3

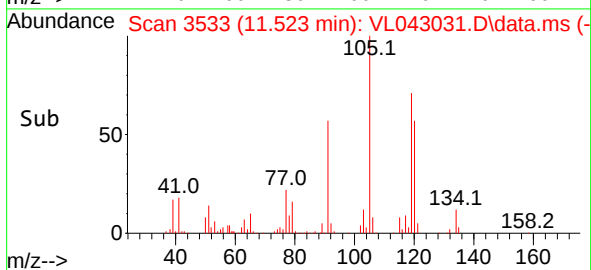
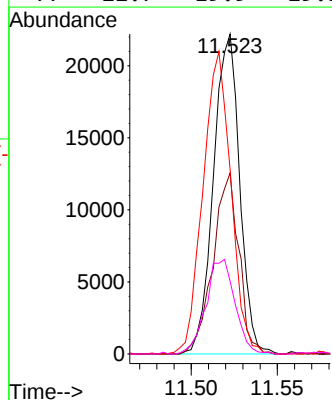
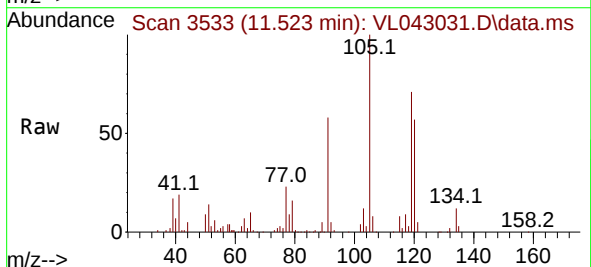
Manual Integrations
APPROVED

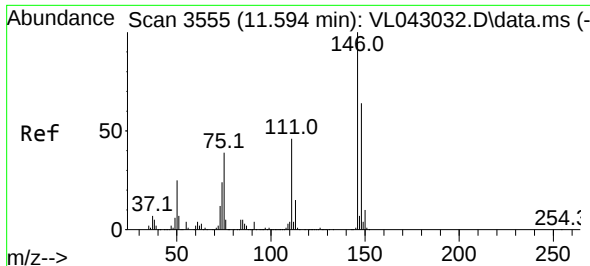
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.374 ppbv
RT: 11.523 min Scan# 3533
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion:105 Resp: 23511
Ion Ratio Lower Upper
105 100
120 56.6 39.7 59.5
91 57.6 56.5 84.7
77 22.7 19.9 29.9





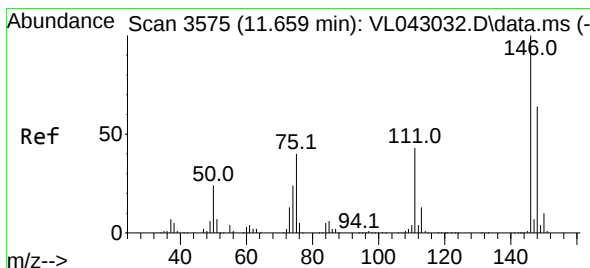
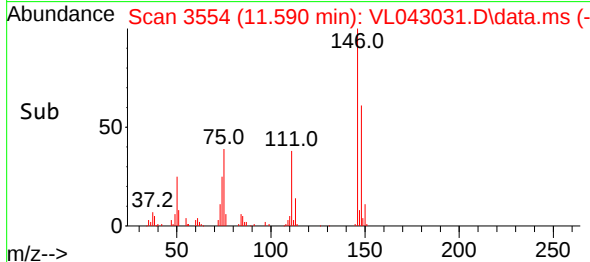
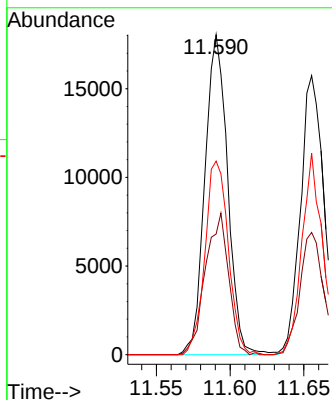
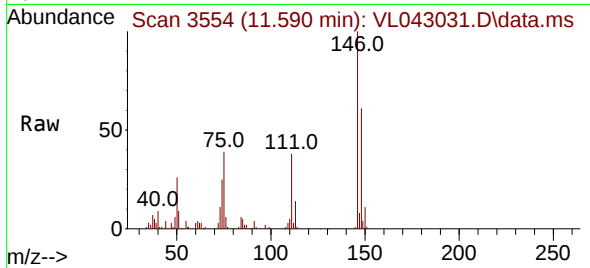
#75
1,3-Dichlorobenzene
Concen: 0.474 ppbv
RT: 11.590 min Scan# 3554
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:146 Resp: 19340
Ion Ratio Lower Upper
146 100
111 45.3 22.6 67.7
148 62.0 31.9 95.7

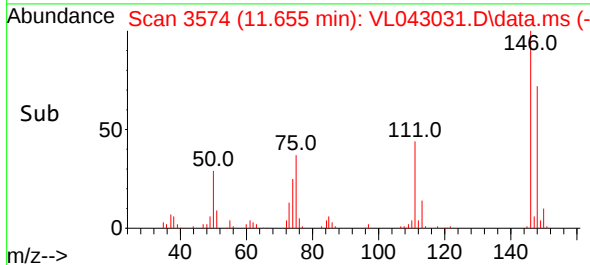
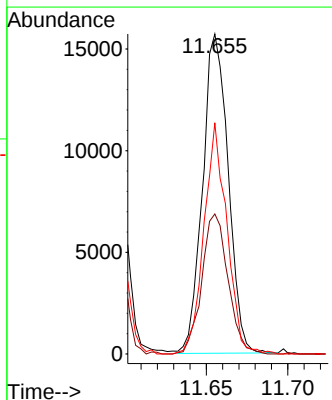
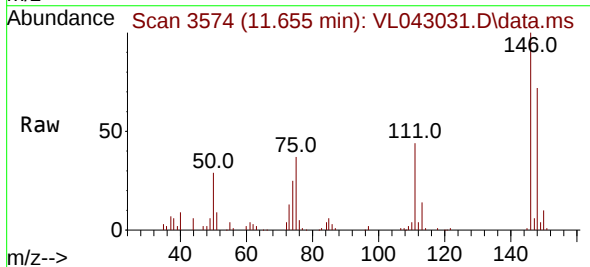
Manual Integrations
APPROVED

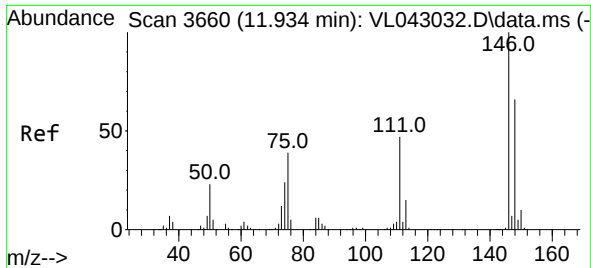
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#76
1,4-Dichlorobenzene
Concen: 0.440 ppbv
RT: 11.655 min Scan# 3574
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion:146 Resp: 17115
Ion Ratio Lower Upper
146 100
111 44.9 21.7 65.1
148 65.0 32.1 96.3





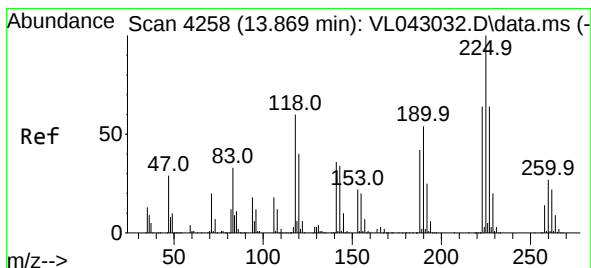
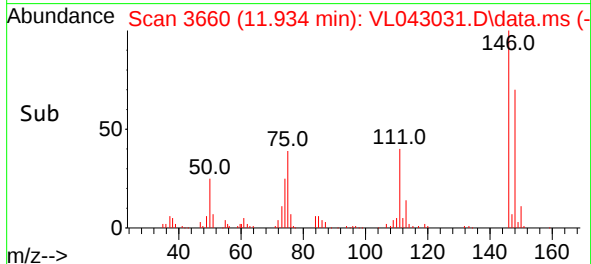
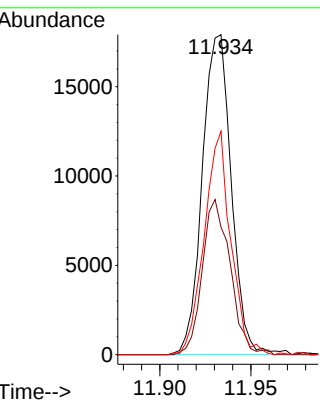
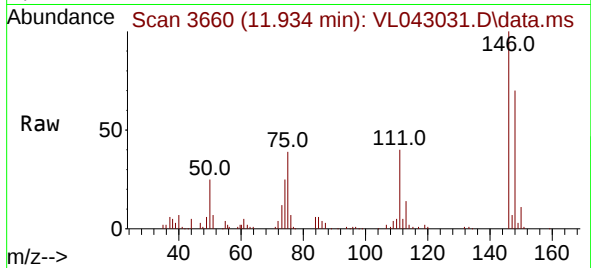
#77
1,2-Dichlorobenzene
Concen: 0.485 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:146 Resp: 1974
Ion Ratio Lower Upper
146 100
111 46.8 23.2 69.5
148 64.1 31.9 95.7

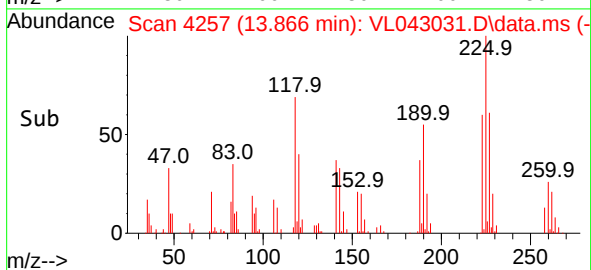
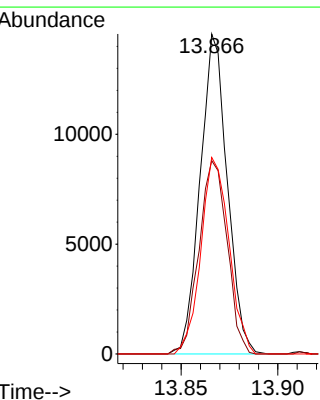
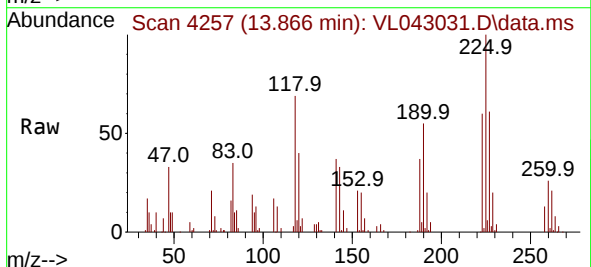
Manual Integrations
APPROVED

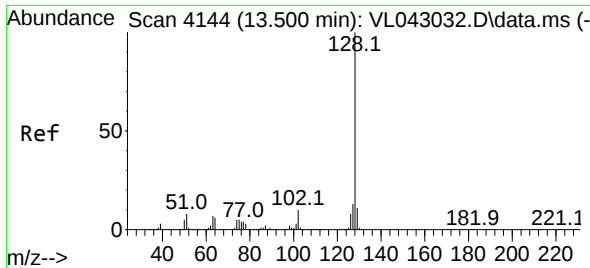
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#78
Hexachloro-1,3-Butadiene
Concen: 0.500 ppbv
RT: 13.866 min Scan# 4257
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

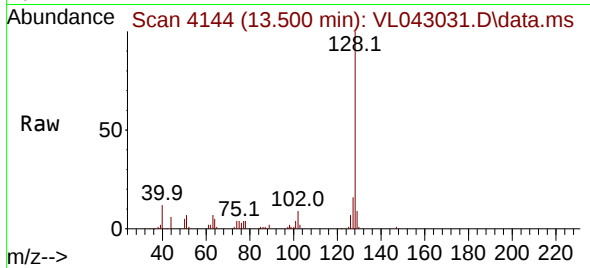
Tgt Ion:225 Resp: 14174
Ion Ratio Lower Upper
225 100
223 62.7 50.9 76.3
227 63.7 50.9 76.3





#79
Naphthalene
Concen: 0.479 ppbv
RT: 13.500 min Scan# 4144
Delta R.T. 0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

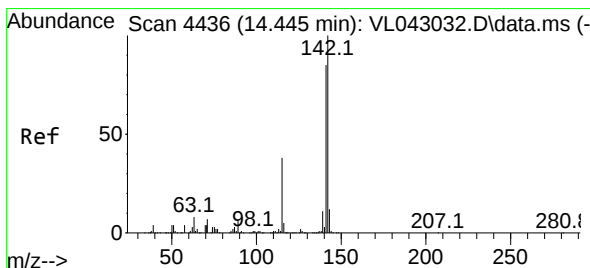
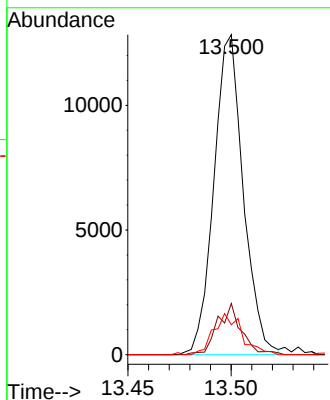
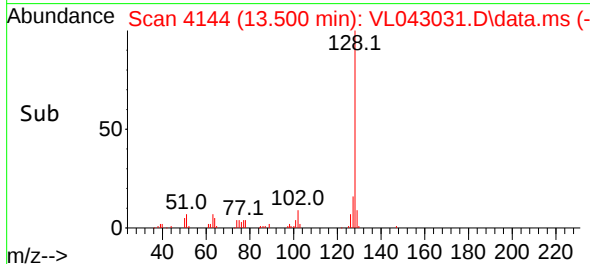
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



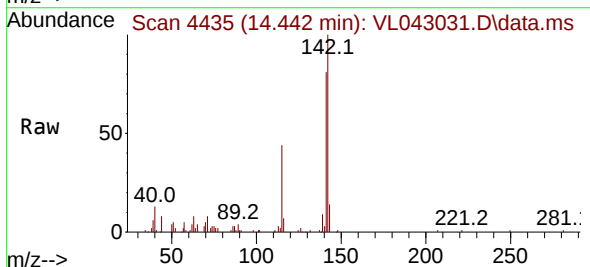
Tgt Ion:128 Resp: 12682
Ion Ratio Lower Upper
128 100
127 16.0 10.6 16.0
129 10.4 8.8 13.2

Manual Integrations
APPROVED

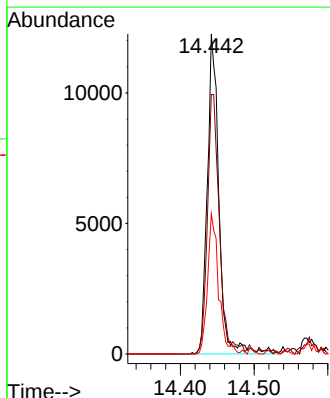
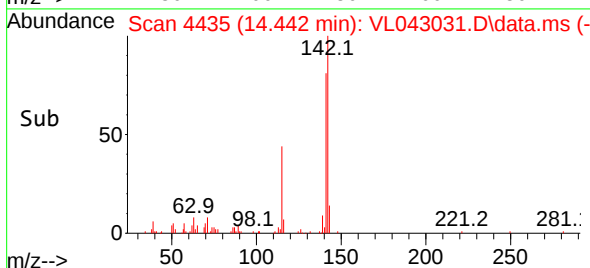
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

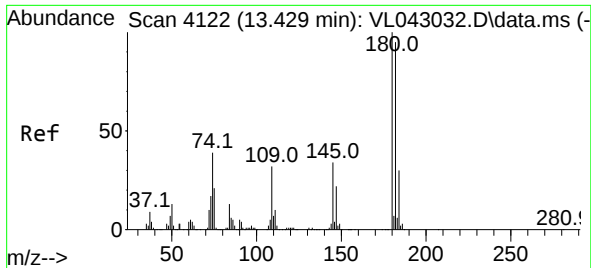


#80
Naphthalene,2-methyl-
Concen: 1.165 ppbv
RT: 14.442 min Scan# 4435
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50



Tgt Ion:142 Resp: 13384
Ion Ratio Lower Upper
142 100
141 86.1 66.6 100.0
115 42.6 30.1 45.1





#81

1,2,4-Trichlorobenzene

Concen: 0.329 ppbv

RT: 13.426 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL043031.D

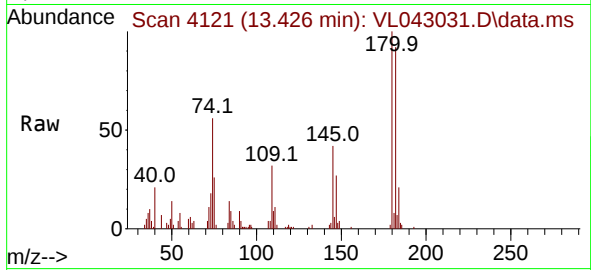
Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5



Tgt Ion:180 Resp: 7952

Ion Ratio Lower Upper

180 100

182 95.0 76.9 115.3

184 29.8 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025

Supervised By :Mahesh Dadoda 10/10/2025

