

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042173.D
 Acq On : 27 Mar 2025 08:59
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 01:32:52 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 01:31:23 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	188395	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	546394	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	504538	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 417532 10.077 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.800%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.496	85	55859	2.008	ppbv	99
3) Chlorodifluoromethane	1.473	51	57045	2.007	ppbv	99
4) Chloromethane	1.531	50	23293	2.049	ppbv	94
5) Vinyl Chloride	1.576	62	21989	1.897	ppbv	99
6) Bromomethane	1.664	94	10027	1.946	ppbv	98
7) Chloroethane	1.703	64	8413	1.844	ppbv	92
8) Dichlorotetrafluoroethane	1.551	85	48008	2.027	ppbv	98
9) Propene	1.483	41	26295	2.054	ppbv	94
10) Heptane	4.972	43	71466	2.063	ppbv	99
11) Trichlorofluoromethane	1.874	101	55754	2.060	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.136	101	44761	2.012	ppbv	98
13) Ethanol	1.719	45	2748m	2.741	ppbv	
14) Bromoethene	1.780	108	17323	2.033	ppbv #	89
15) Acetone	1.832	43	55365	2.101	ppbv	95
16) 1,3-Butadiene	1.606	39	22894	1.932	ppbv	95
17) tert-Butyl alcohol	2.039	59	66174	2.016	ppbv	100
18) 1,1-Dichloroethene	2.030	96	21103	2.029	ppbv	95
19) Isopropyl Alcohol	1.884	45	27804	1.870	ppbv #	35
20) Methylene Chloride	2.059	84	20518	2.091	ppbv	96
21) Allyl Chloride	2.094	41	38425	2.068	ppbv	99
22) trans-1,2-Dichloroethene	2.337	96	23384	1.924	ppbv	92
23) Vinyl Acetate	2.460	43	20736	1.894	ppbv #	97
24) 1,1-Dichloroethane	2.405	63	44740	2.008	ppbv	99
25) Ethyl Acetate	2.832	43	139516	2.040	ppbv	99
26) Hexane	2.823	57	52095	1.972	ppbv	92
27) Carbon Disulfide	2.146	76	57969	2.047	ppbv #	76
28) Methyl tert-Butyl Ether	2.437	73	33703	2.049	ppbv	99
29) Chloroform	2.845	83	78043	2.019	ppbv	95
30) Cyclohexane	3.852	84	45641	1.989	ppbv	99
31) cis-1,2-Dichloroethene	2.719	61	53713	2.003	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	81070	1.833	ppbv	99
34) 2-Butanone	2.554	43	84157	2.124	ppbv	99
35) Carbon Tetrachloride	3.758	117	81735	1.944	ppbv	96
36) Benzene	3.651	78	110727	2.044	ppbv	97
37) 1,2-Dichloroethane	3.214	62	61476	1.982	ppbv	97
38) Trichloroethene	4.541	130	43501	1.924	ppbv	97
39) 1,2-Dichloropropane	4.308	63	39912	2.023	ppbv	93
40) 1,4-Dioxane	4.587	88	20884m	2.040	ppbv	
41) Tetrahydrofuran	3.056	42	47262	2.097	ppbv	99
42) Bromodichloromethane	4.483	83	87640	2.050	ppbv	99
43) Methyl Methacrylate	4.878	69	44624	1.952	ppbv	97
44) 2,2,4-Trimethylpentane	4.632	57	188282	2.057	ppbv	100
45) t-1,3-Dichloropropene	6.406	75	49461	2.011	ppbv	99

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Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 01:32:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Mar 28 01:31:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.593	75	61829	2.050	ppbv	#	91
47) 1,1,2-Trichloroethane	6.577	97	41387	1.985	ppbv		95
48) Dibromochloromethane	7.383	129	72441	2.050	ppbv		100
49) Bromoform	9.477	173	65221	2.056	ppbv		98
50) 4-Methyl-2-Pentanone	5.752	43	132328	2.107	ppbv		99
51) 2-Hexanone	7.435	43	112681	2.162	ppbv	#	99
52) Tetrachloroethene	8.221	164	40558	1.888	ppbv		98
53) Toluene	6.923	91	131314	2.045	ppbv		99
54) 1,2-Dibromoethane	7.648	107	56799	1.952	ppbv		90
56) 1,1,1,2-Tetrachloroethane	8.920	131	58141	2.093	ppbv		97
57) Chlorobenzene	8.914	112	100308	2.096	ppbv	#	94
58) Ethyl Benzene	9.351	91	191114	2.132	ppbv		96
59) m/p-Xylene	9.548	91	299531m	4.181	ppbv		
60) o-Xylene	9.959	91	151292	2.109	ppbv		98
61) Styrene	9.865	104	74134	2.089	ppbv		98
62) Isopropylbenzene	10.535	105	228191	2.127	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.956	83	90114	2.067	ppbv		99
64) n-propylbenzene	10.985	120	58105	2.104	ppbv		92
65) tert-Butylbenzene	11.529	119	216336	2.180	ppbv		99
66) Benzyl Chloride	11.610	91	22272	2.116	ppbv		95
67) sec-Butylbenzene	11.762	105	297381	2.156	ppbv		99
69) p-Isopropyltoluene	11.921	119	258357	2.176	ppbv		100
70) n-Butylbenzene	12.277	91	270616	2.228	ppbv		99
71) 2-Chlorotoluene	10.898	91	177487	2.132	ppbv		100
72) 4-Ethyltoluene	11.121	105	194660	2.179	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	169221	2.169	ppbv		96
74) 1,2,4-Trimethylbenzene	11.532	105	198351	2.207	ppbv		96
75) 1,3-Dichlorobenzene	11.604	146	107217	2.175	ppbv		97
76) 1,4-Dichlorobenzene	11.668	146	104925	2.139	ppbv		99
77) 1,2-Dichlorobenzene	11.943	146	102310	2.132	ppbv		99
78) Hexachloro-1,3-Butadiene	13.879	225	109539	2.242	ppbv		99
79) Naphthalene	13.510	128	233451	2.375	ppbv		97
80) Naphthalene,2-methyl-	14.455	142	117313	2.451	ppbv		99
81) 1,2,4-Trichlorobenzene	13.435	180	103765	2.288	ppbv		97

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

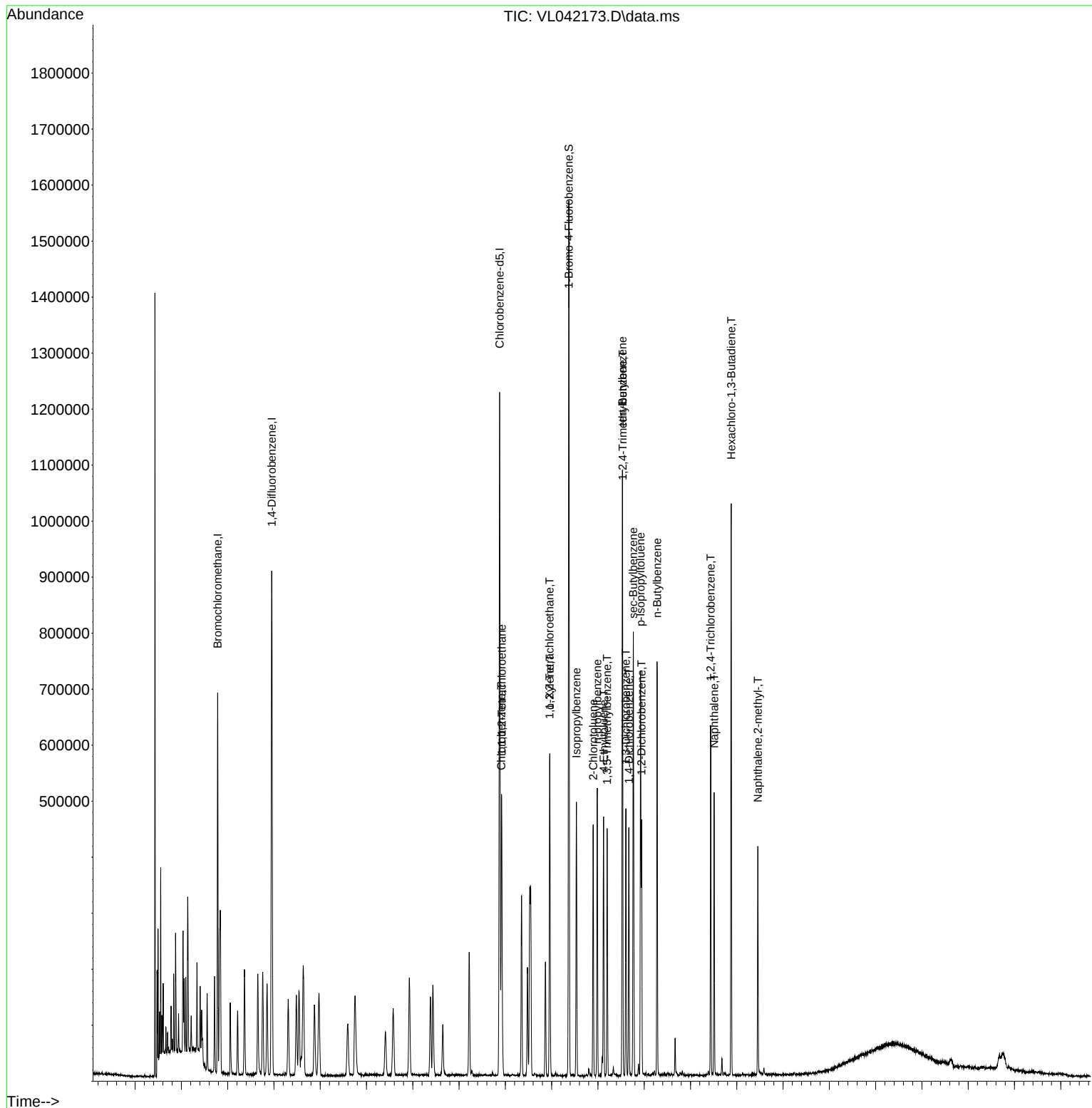
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Data File : VL042173.D
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Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

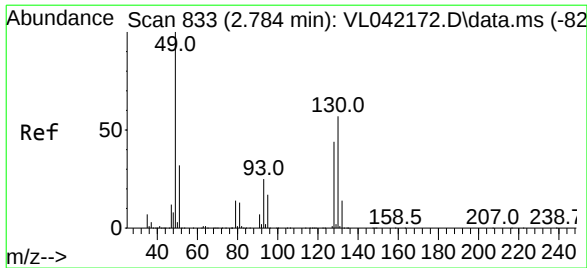
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

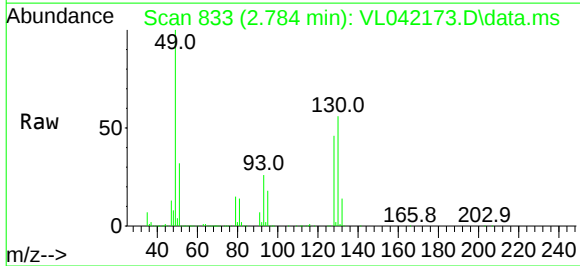
Quant Time: Mar 28 01:32:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

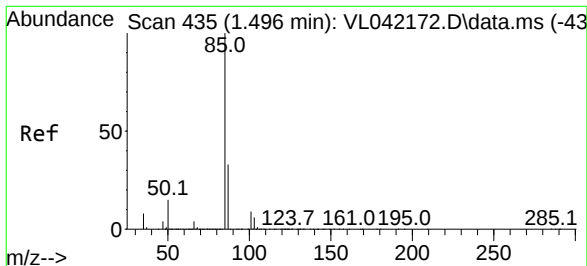
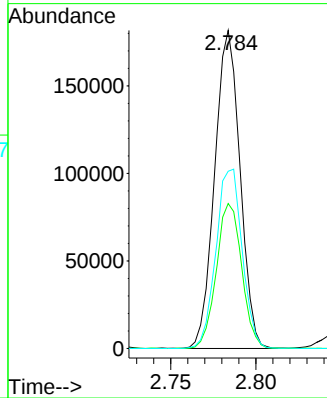
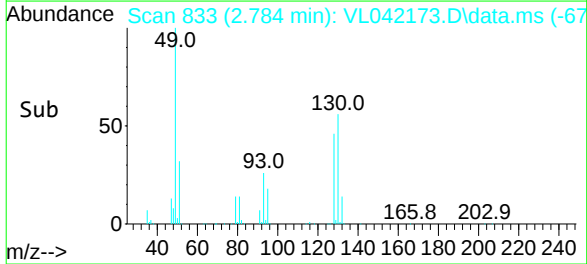
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 49 Resp: 188395
Ion Ratio Lower Upper
49 100
128 45.7 22.9 68.5
130 58.5 28.8 86.4

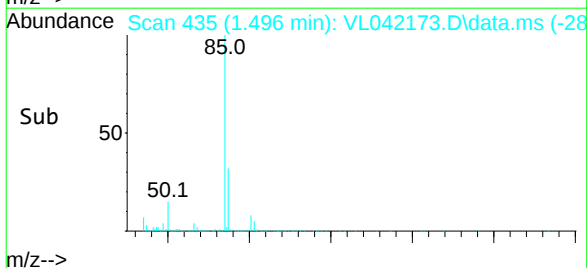
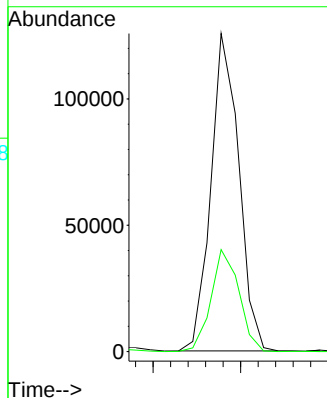
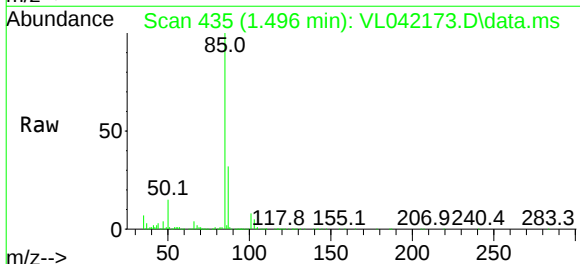
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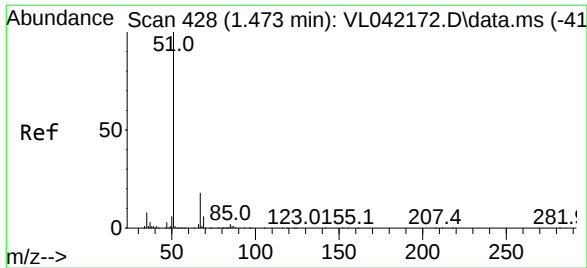
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#2
Dichlorodifluoromethane
Concen: 2.008 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 85 Resp: 55859
Ion Ratio Lower Upper
85 100
87 32.1 26.1 39.1





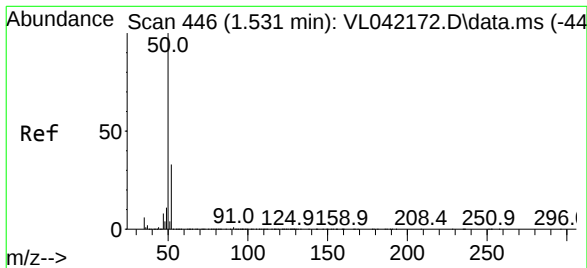
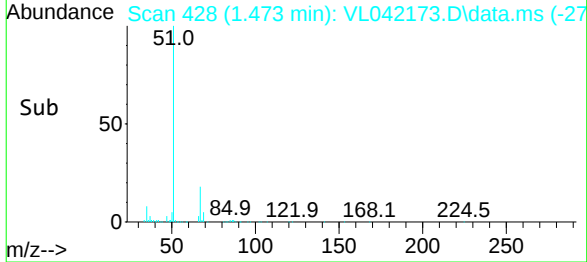
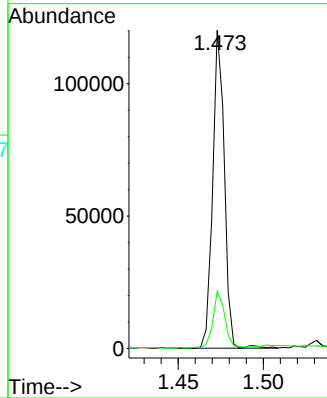
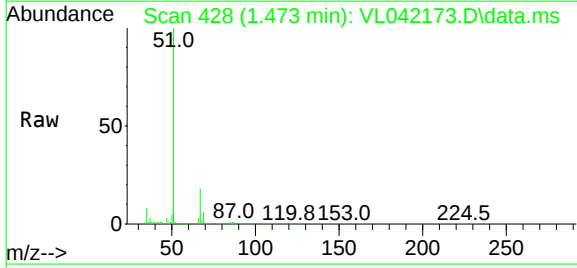
#3
Chlorodifluoromethane
Concen: 2.007 ppbv
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 57045
Ion Ratio Lower Upper
51 100
67 19.4 15.0 22.6

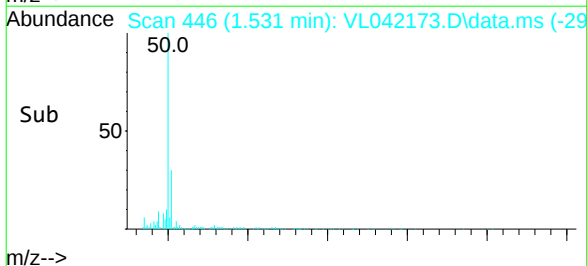
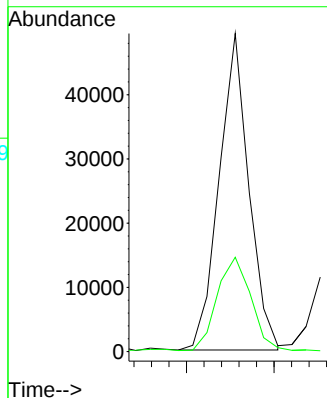
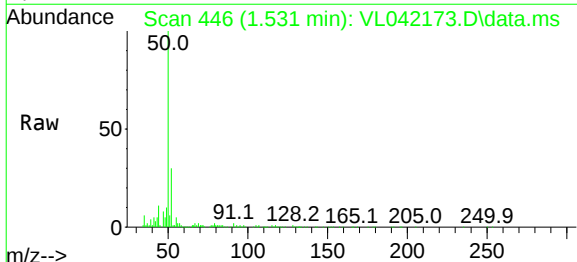
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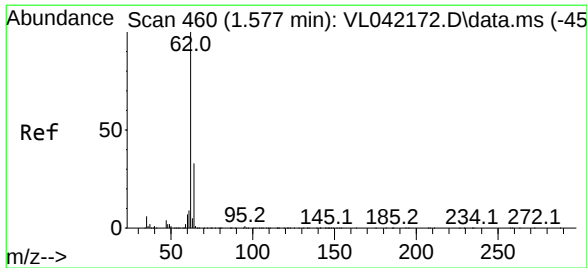
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#4
Chloromethane
Concen: 2.049 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 50 Resp: 23293
Ion Ratio Lower Upper
50 100
52 29.5 26.1 39.1





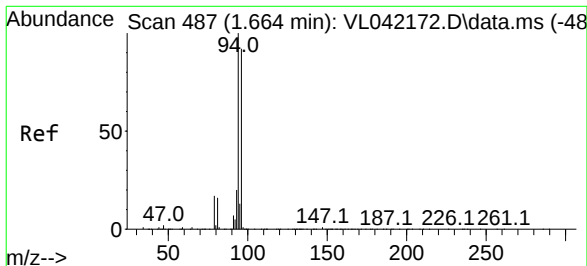
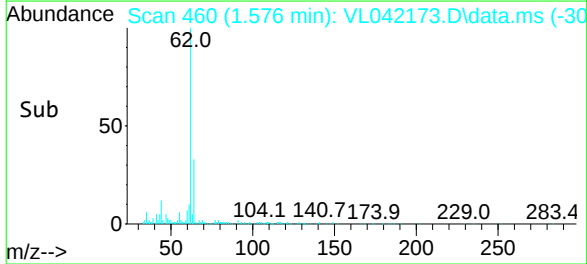
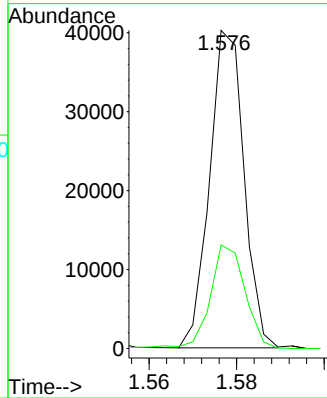
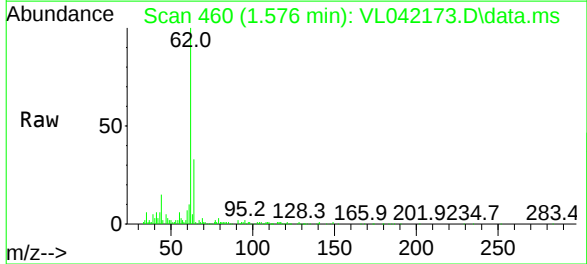
#5
 Vinyl Chloride
 Concen: 1.897 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Tgt Ion: 62 Resp: 21989
 Ion Ratio Lower Upper
 62 100
 64 32.5 26.6 40.0

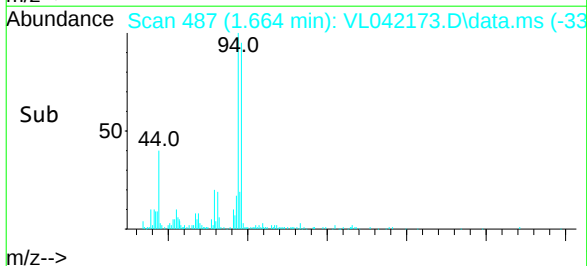
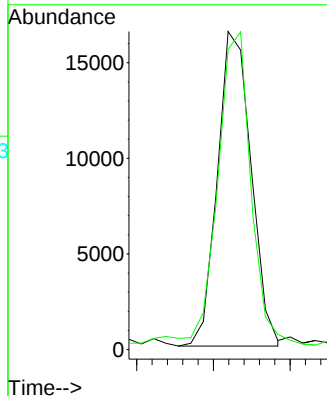
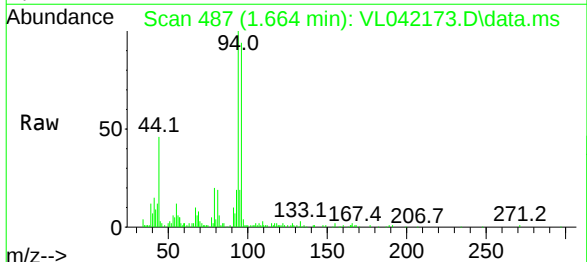
Manual Integrations
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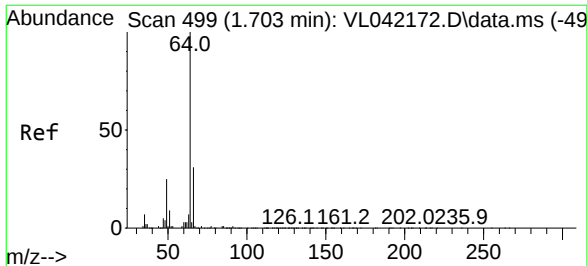
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#6
 Bromomethane
 Concen: 1.946 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

Tgt Ion: 94 Resp: 10027
 Ion Ratio Lower Upper
 94 100
 96 93.6 73.1 109.7





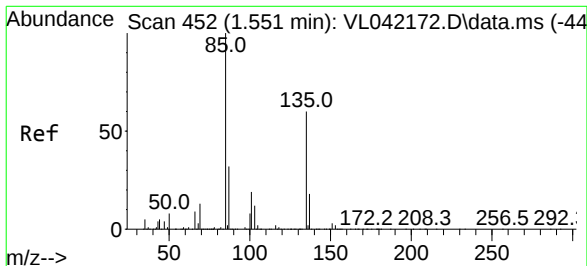
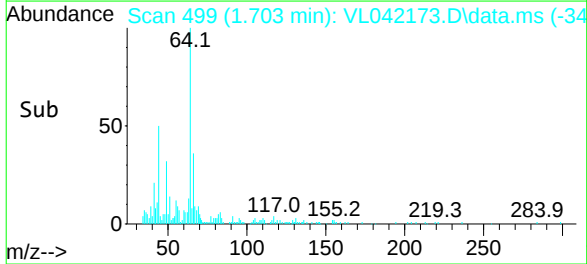
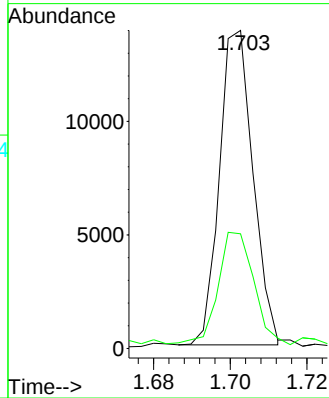
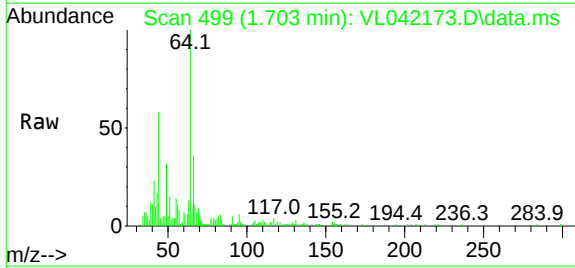
#7
Chloroethane
Concen: 1.844 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 8413
Ion Ratio Lower Upper
64 100
66 36.1 25.2 37.8

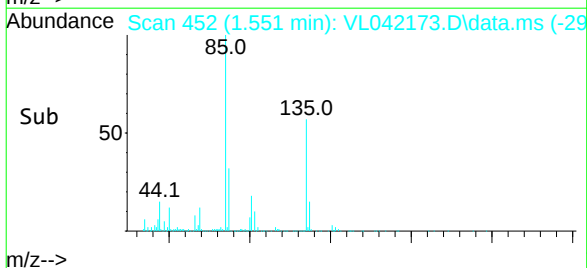
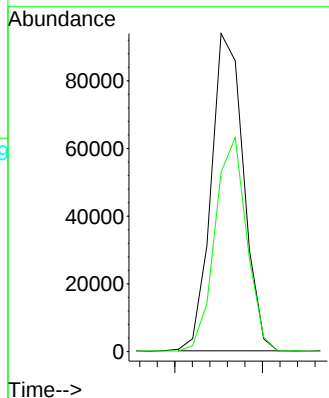
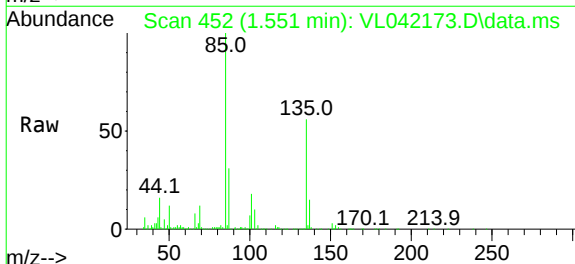
Manual Integrations
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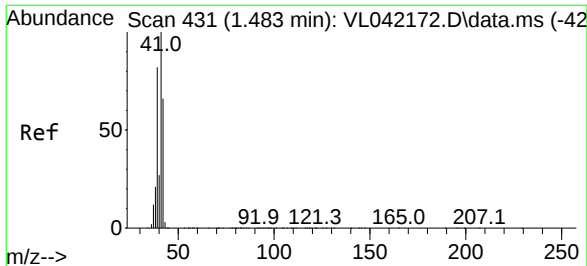
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#8
Dichlorotetrafluoroethane
Concen: 2.027 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

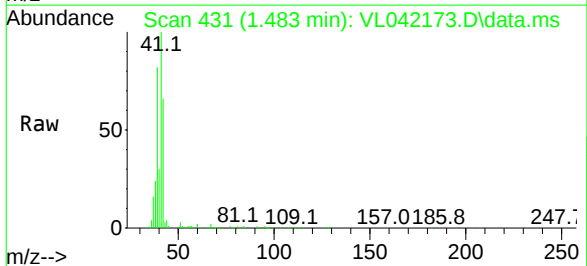
Tgt Ion: 85 Resp: 48008
Ion Ratio Lower Upper
85 100
135 66.8 52.4 78.6





#9
Propene
Concen: 2.054 ppbv
RT: 1.483 min Scan# 431
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

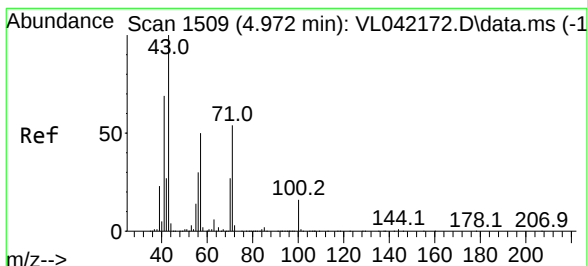
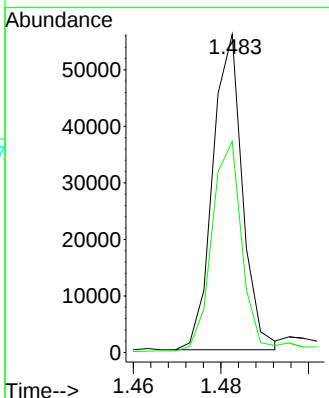
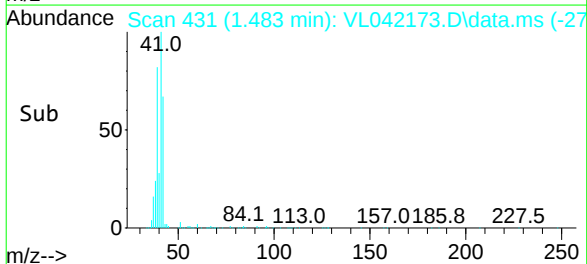
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



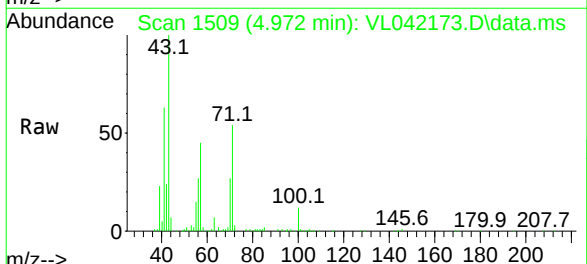
Tgt Ion: 41 Resp: 26295
Ion Ratio Lower Upper
41 100
42 73.9 55.4 83.2

Manual Integrations
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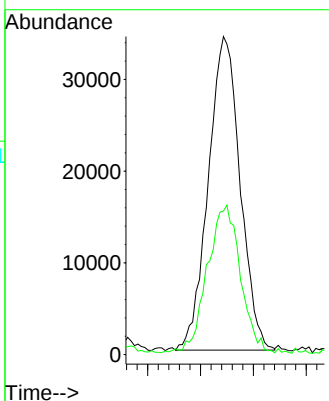
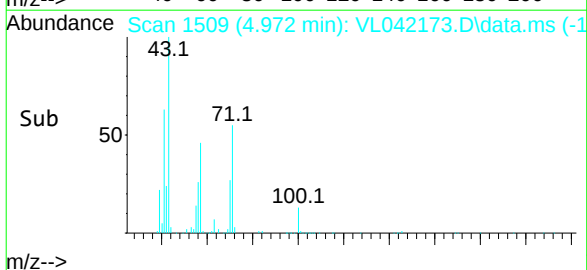
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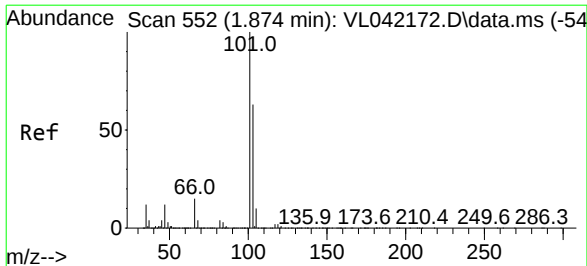


#10
Heptane
Concen: 2.063 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59



Tgt Ion: 43 Resp: 71466
Ion Ratio Lower Upper
43 100
57 49.6 39.4 59.2





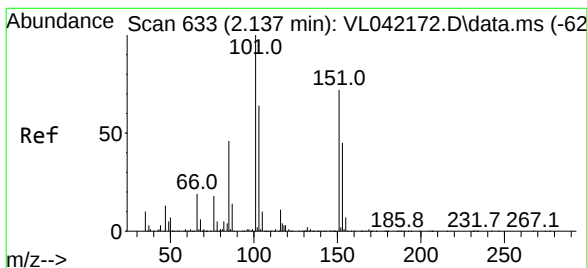
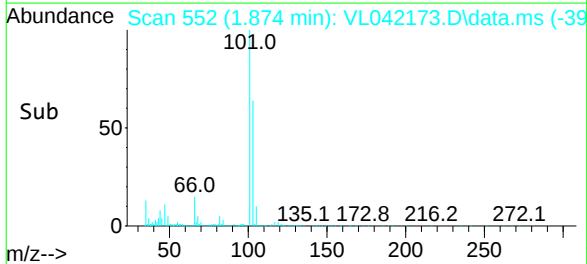
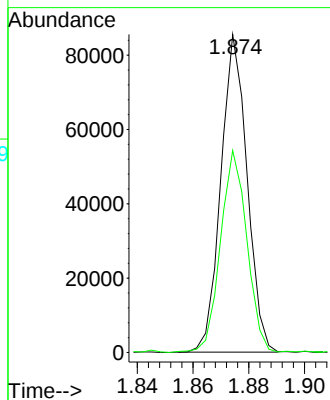
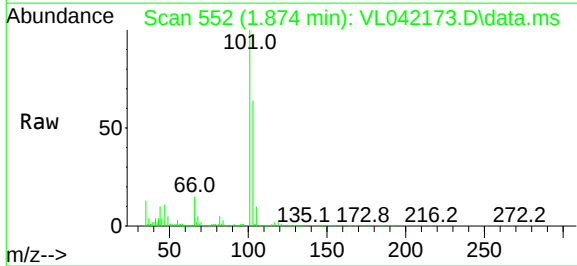
#11
Trichlorofluoromethane
Concen: 2.060 ppbv
RT: 1.874 min Scan# 552
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 55754
Ion Ratio Lower Upper
101 100
103 63.5 50.2 75.2

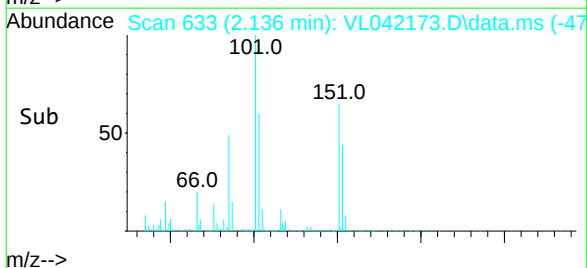
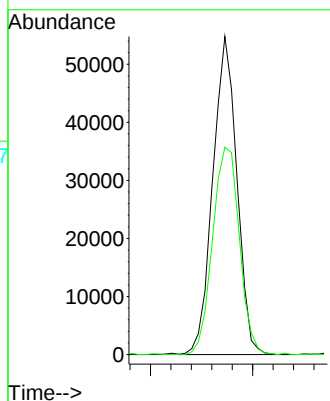
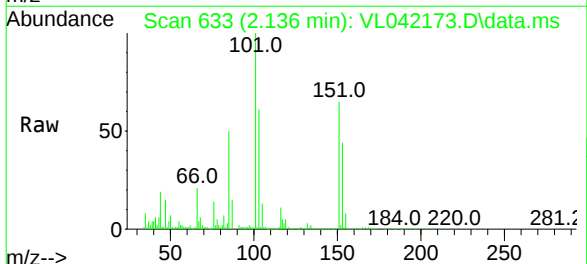
Manual Integrations
APPROVED

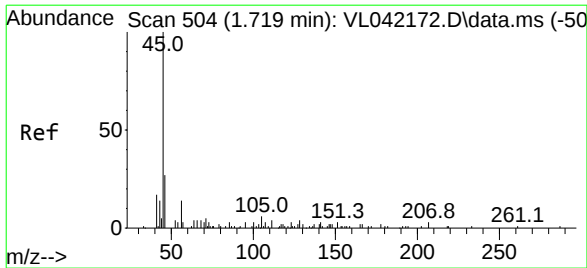
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.012 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:101 Resp: 44761
Ion Ratio Lower Upper
101 100
151 73.0 57.1 85.7





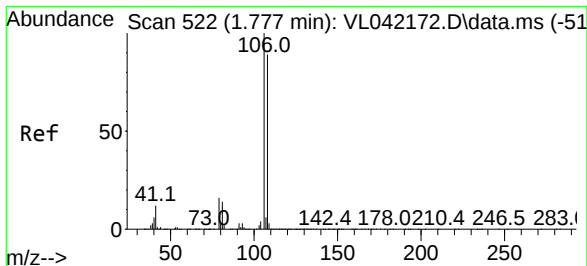
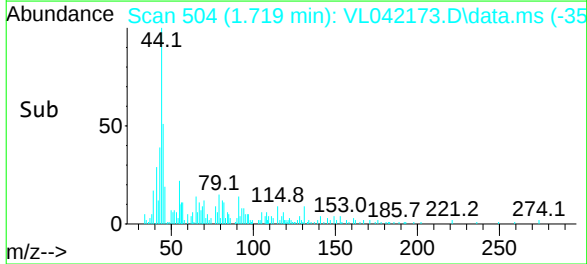
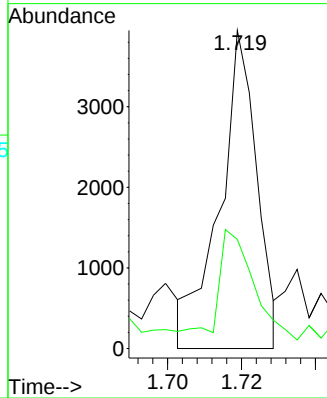
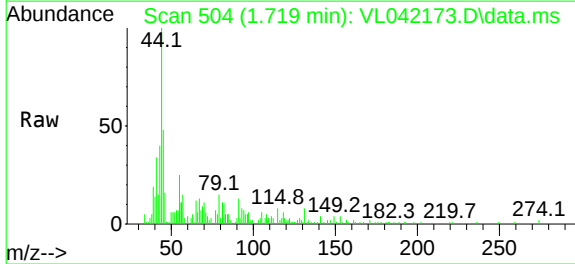
#13
Ethanol
Concen: 2.741 ppbv m
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 2748
Ion Ratio Lower Upper
45 100
46 56.9 20.2 80.8

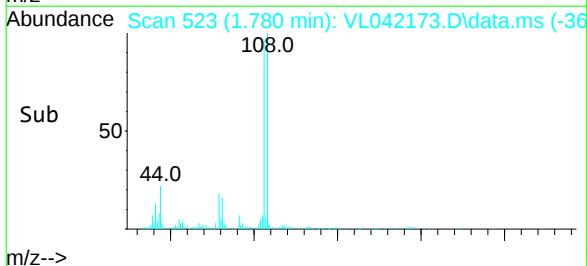
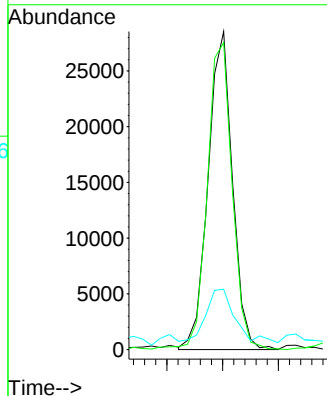
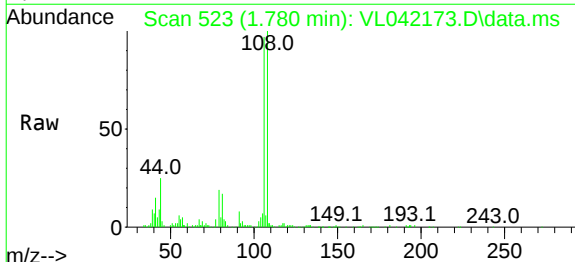
Manual Integrations
APPROVED

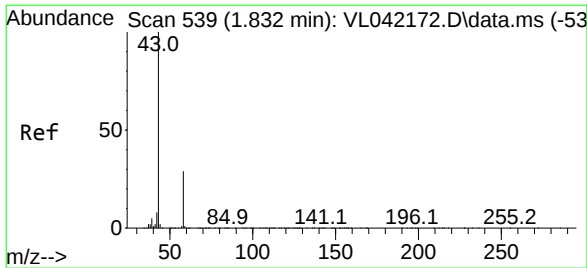
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#14
Bromoethene
Concen: 2.033 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:108 Resp: 17323
Ion Ratio Lower Upper
108 100
106 100.6 86.8 130.2
79 32.0 15.0 22.6#





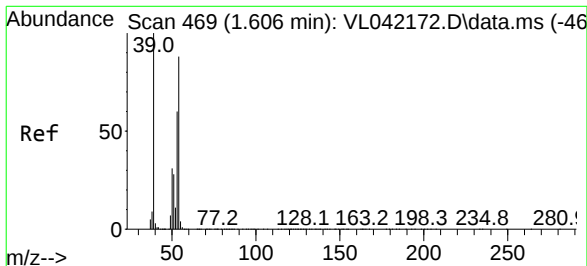
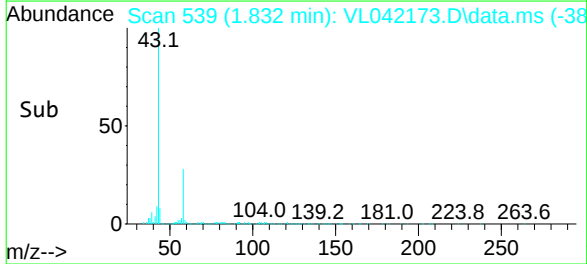
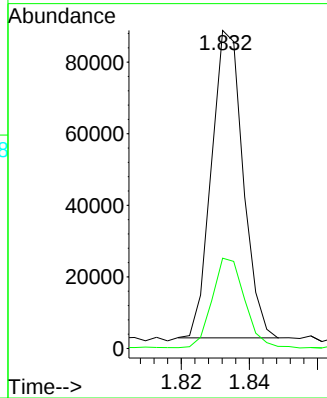
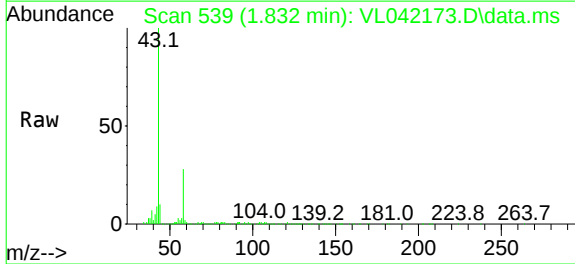
#15
Acetone
Concen: 2.101 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion: 43 Resp: 55365
Ion Ratio Lower Upper
43 100
58 31.8 23.2 34.8

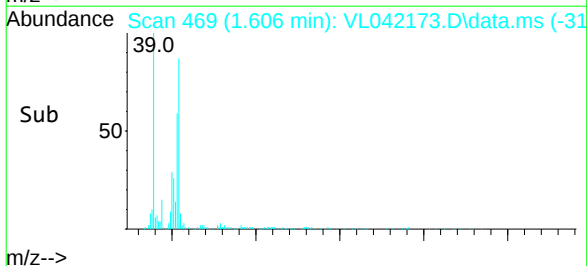
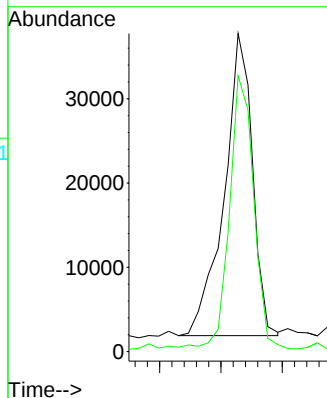
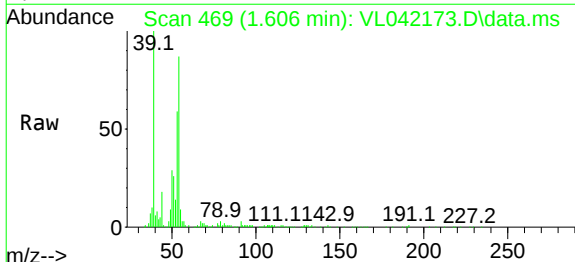
Manual Integrations
APPROVED

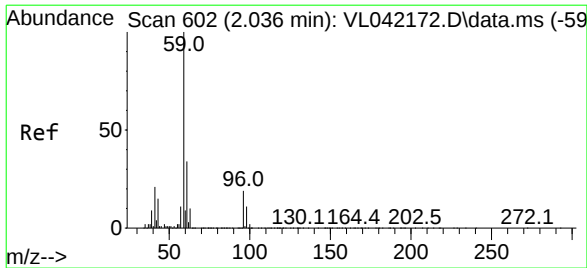
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#16
1,3-Butadiene
Concen: 1.932 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 39 Resp: 22894
Ion Ratio Lower Upper
39 100
54 79.9 60.7 91.1





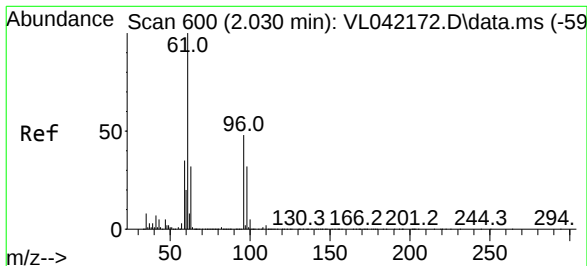
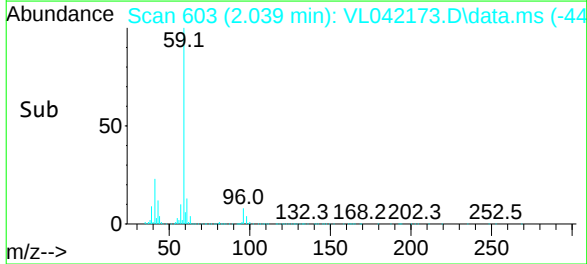
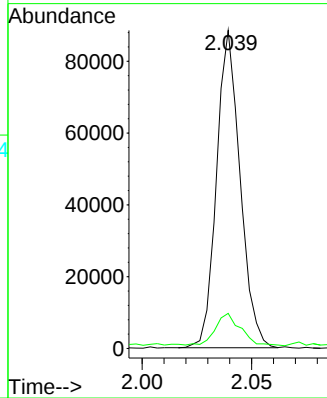
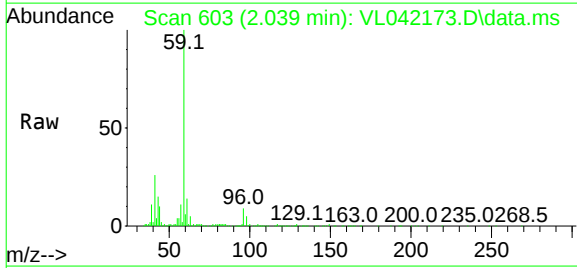
#17
tert-Butyl alcohol
Concen: 2.016 ppbv
RT: 2.039 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 66174
Ion Ratio Lower Upper
59 100
57 11.2 8.9 13.3

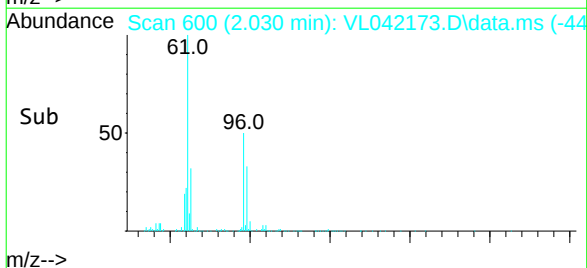
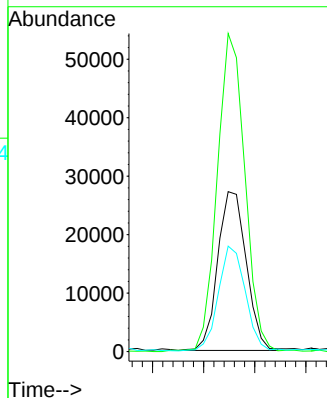
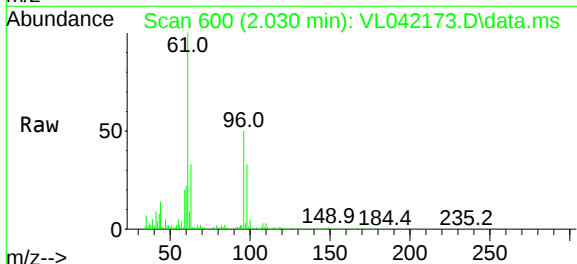
Manual Integrations
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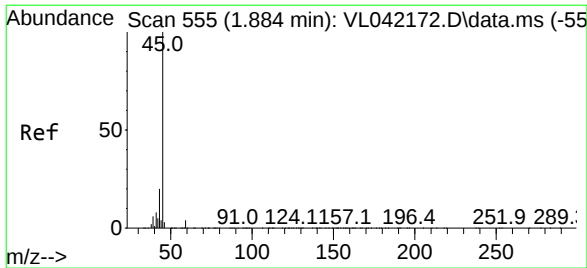
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#18
1,1-Dichloroethene
Concen: 2.029 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 96 Resp: 21103
Ion Ratio Lower Upper
96 100
61 199.8 167.6 251.4
98 66.0 53.5 80.3





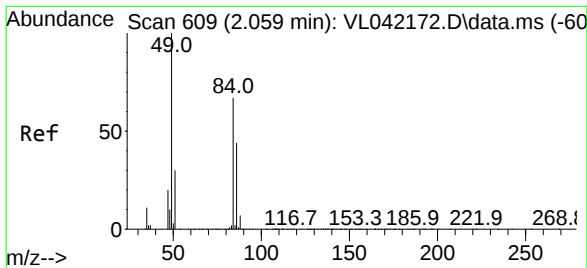
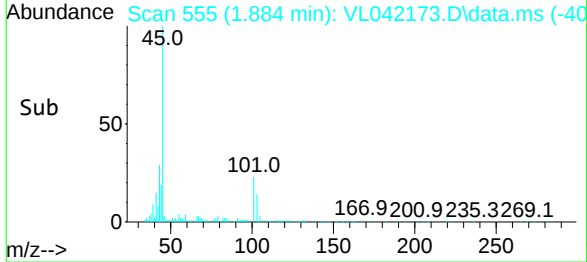
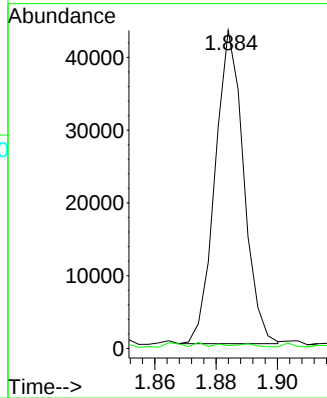
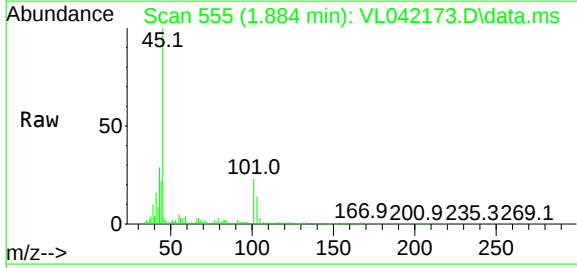
#19
Isopropyl Alcohol
Concen: 1.870 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 45 Resp: 27804
Ion Ratio Lower Upper
45 100
58 3.3 36.9 55.3

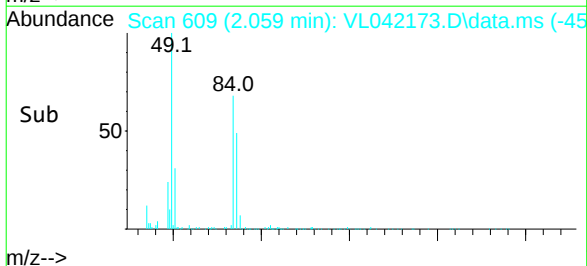
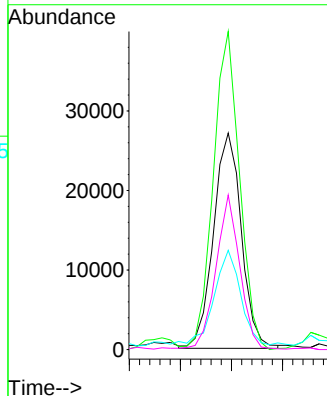
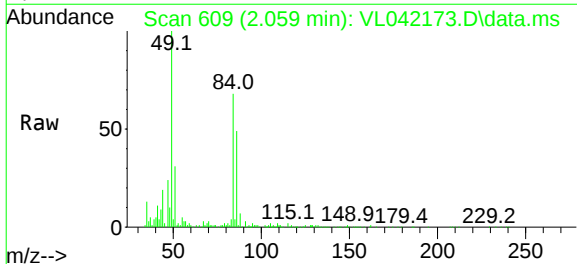
Manual Integrations
APPROVED

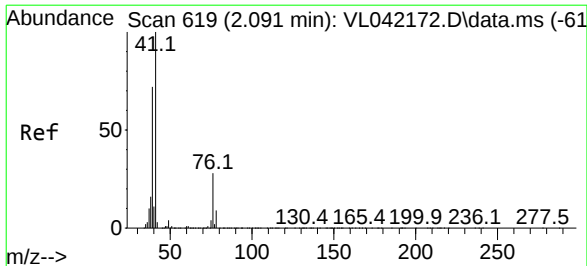
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#20
Methylene Chloride
Concen: 2.091 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 84 Resp: 20518
Ion Ratio Lower Upper
84 100
49 148.8 120.2 180.4
51 43.5 37.4 56.0
86 72.2 52.4 78.6





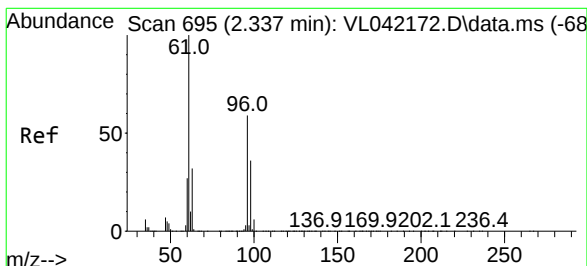
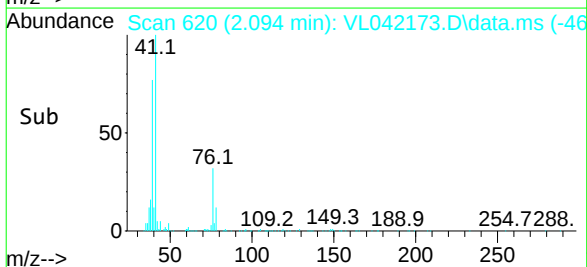
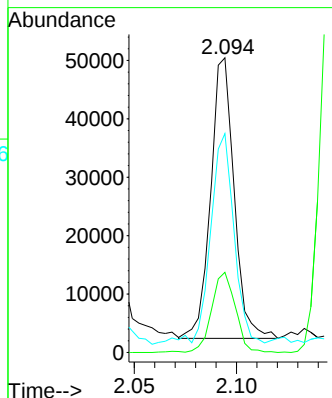
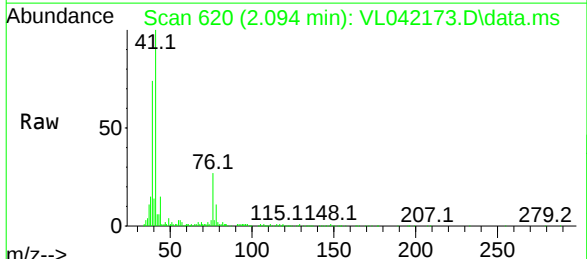
#21
 Allyl Chloride
 Concen: 2.068 ppbv
 RT: 2.094 min Scan# 621
 Delta R.T. 0.003 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 41 Resp: 38425
 Ion Ratio Lower Upper
 41 100
 76 29.0 24.1 36.1
 39 77.5 61.1 91.7

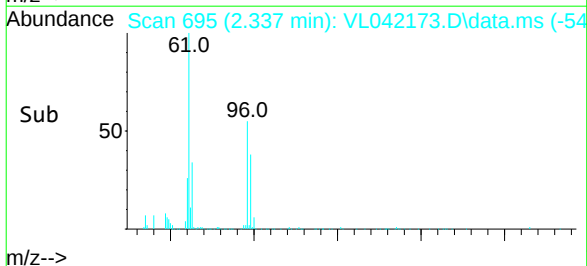
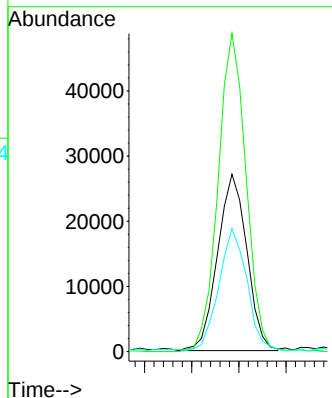
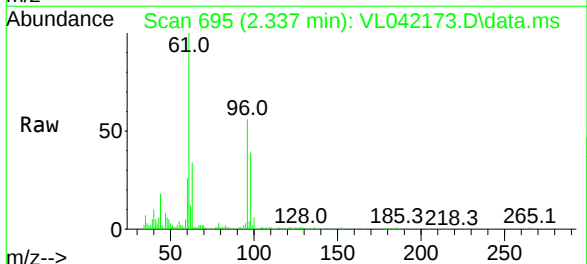
Manual Integrations
 APPROVED

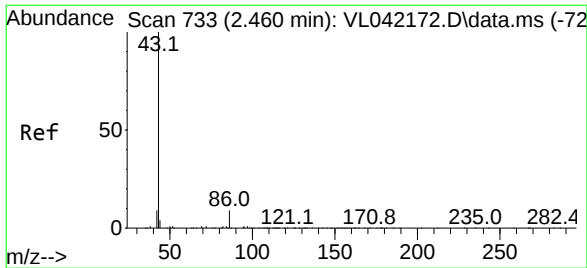
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#22
 trans-1,2-Dichloroethene
 Concen: 1.924 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

Tgt Ion: 96 Resp: 23384
 Ion Ratio Lower Upper
 96 100
 61 180.3 136.6 204.8
 98 68.6 49.4 74.2





#23
 Vinyl Acetate
 Concen: 1.894 ppbv
 RT: 2.460 min Scan# 733
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

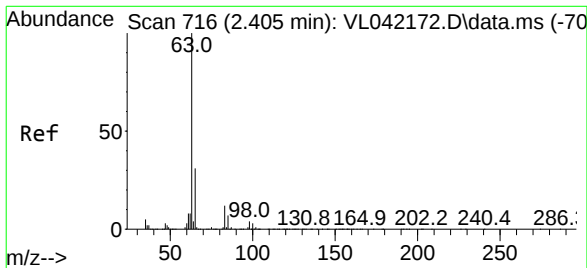
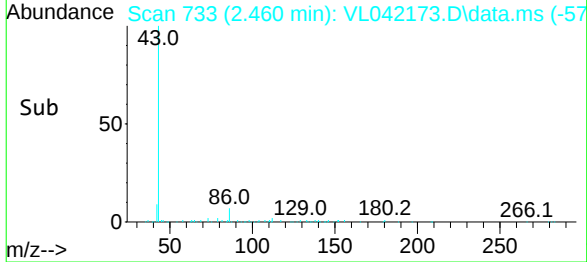
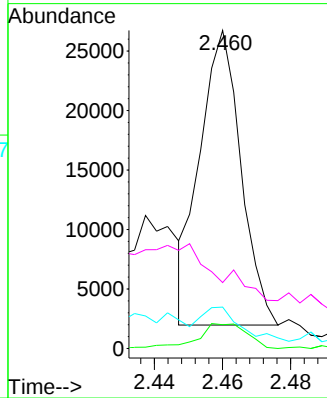
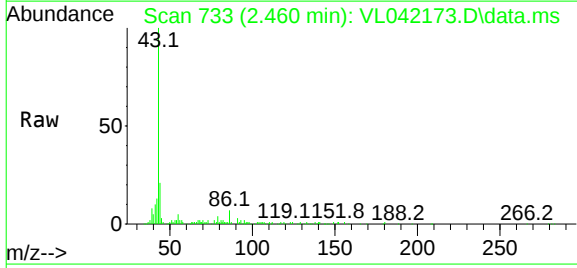
VSTDICC002

Tgt Ion:	43	Resp:	20736
Ion	Ratio	Lower	Upper
43	100		
86	8.1	5.5	8.3
42	10.4	8.6	13.0
44	6.1	6.2	9.4

Manual Integrations

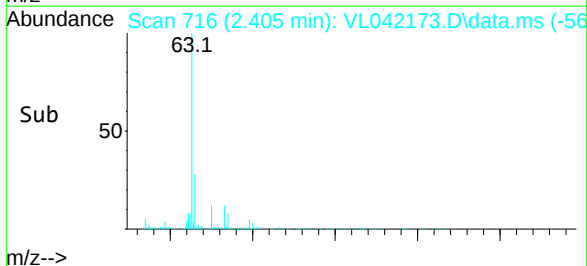
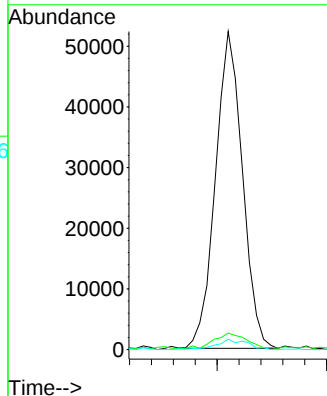
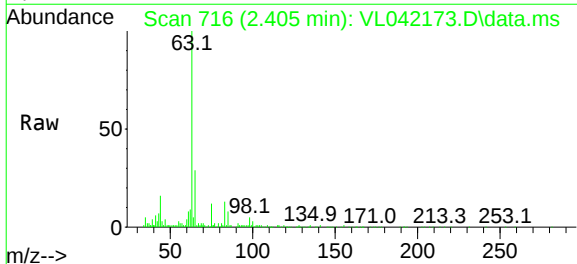
APPROVED

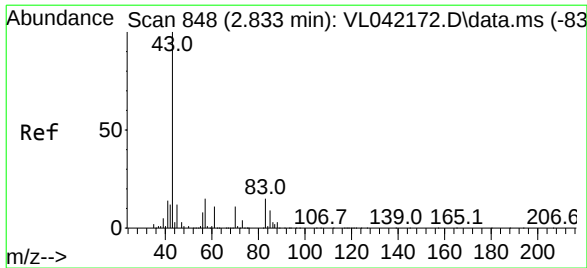
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#24
 1,1-Dichloroethane
 Concen: 2.008 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

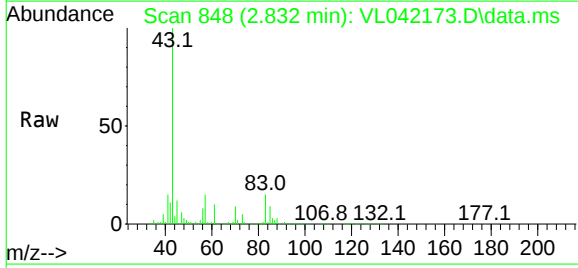
Tgt Ion:	63	Resp:	44740
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.3	6.8
100	3.3	1.6	4.7





#25
Ethyl Acetate
Concen: 2.040 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

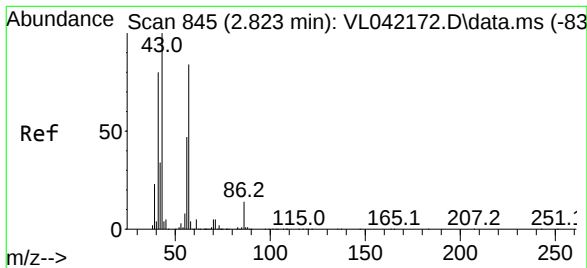
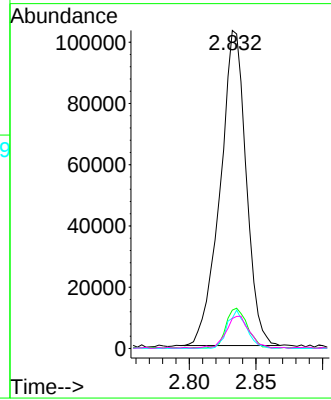
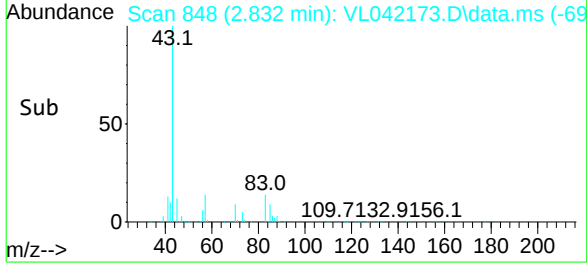
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



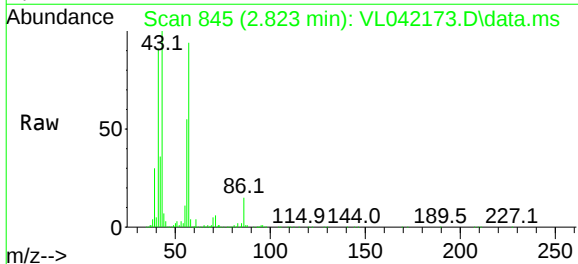
Tgt Ion: 43 Resp: 139516
Ion Ratio Lower Upper
43 100
45 10.9 8.2 12.2
61 9.1 7.3 10.9
70 9.5 7.2 10.8

Manual Integrations
APPROVED

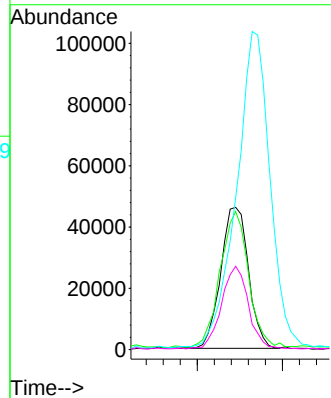
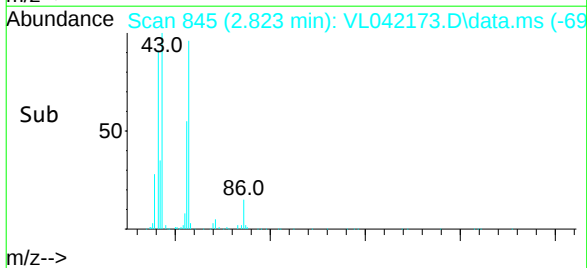
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

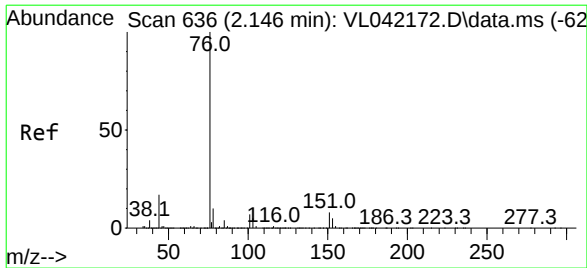


#26
Hexane
Concen: 1.972 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59



Tgt Ion: 57 Resp: 52095
Ion Ratio Lower Upper
57 100
41 100.9 76.6 114.8
43 274.8 207.8 311.8
56 61.1 43.6 65.4





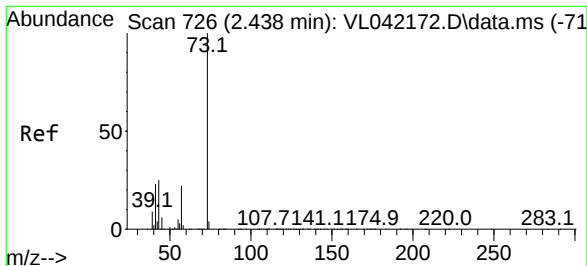
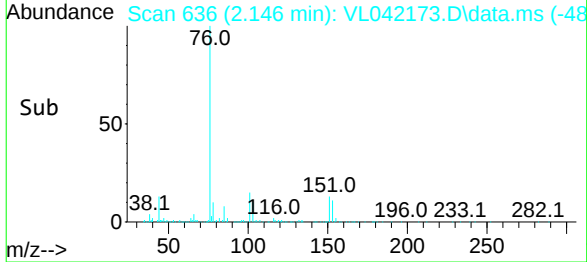
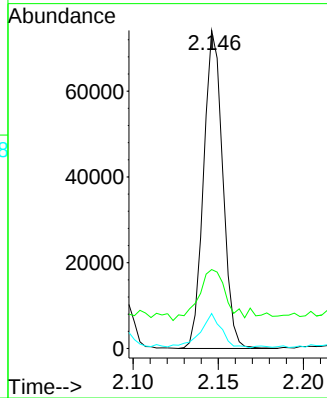
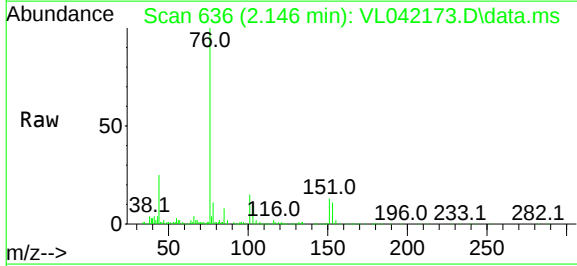
#27
Carbon Disulfide
Concen: 2.047 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion: 76 Resp: 57969
Ion Ratio Lower Upper
76 100
44 35.2 14.7 22.1#
78 12.0 9.3 13.9

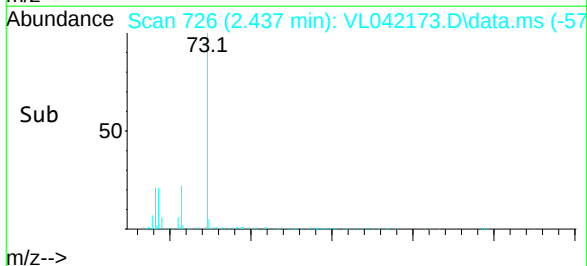
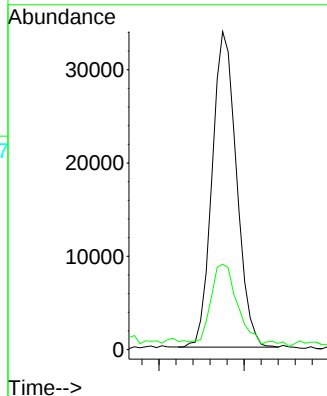
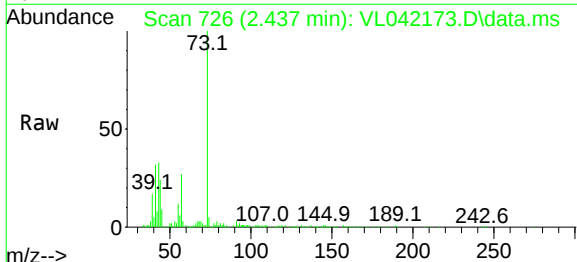
Manual Integrations
APPROVED

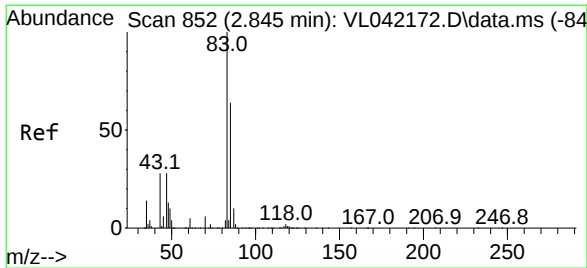
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#28
Methyl tert-Butyl Ether
Concen: 2.049 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 73 Resp: 33703
Ion Ratio Lower Upper
73 100
57 25.2 20.5 30.7





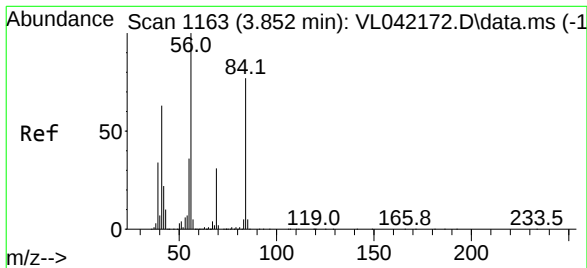
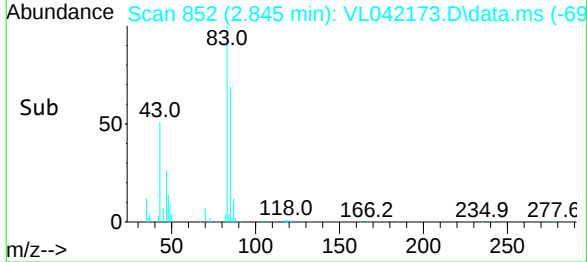
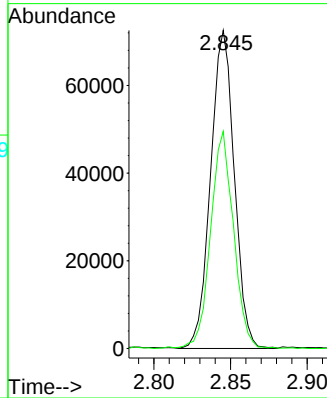
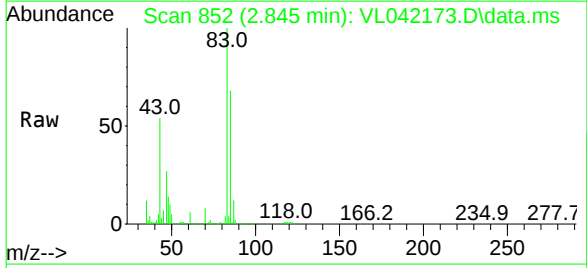
#29
Chloroform
Concen: 2.019 ppbv
RT: 2.845 min Scan# 852
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion: 83 Resp: 78043
Ion Ratio Lower Upper
83 100
85 68.2 51.4 77.2

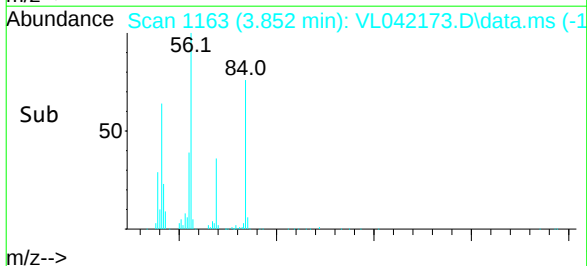
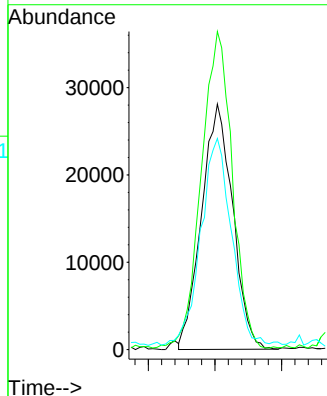
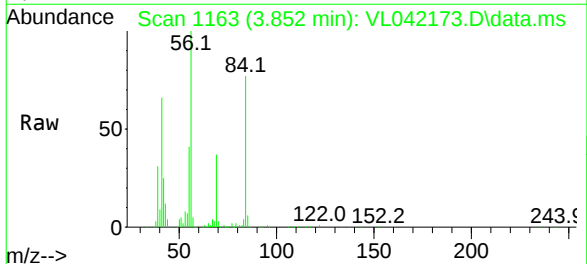
Manual Integrations
APPROVED

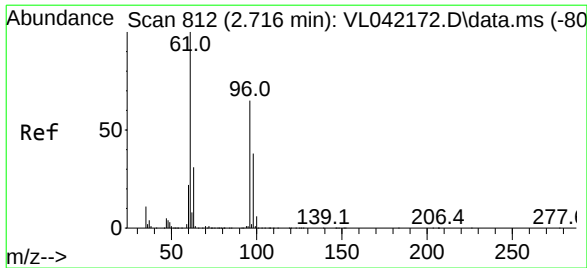
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#30
Cyclohexane
Concen: 1.989 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 84 Resp: 45641
Ion Ratio Lower Upper
84 100
56 127.8 102.8 154.2
41 84.6 66.5 99.7





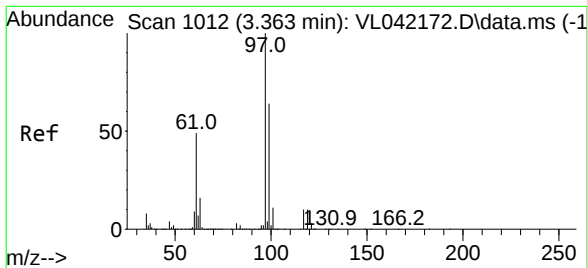
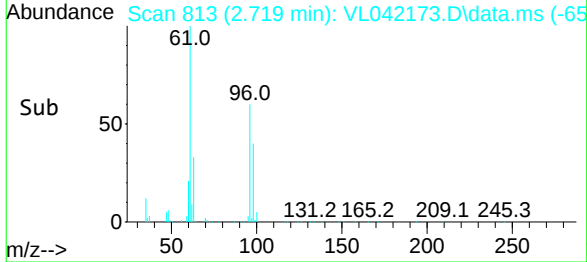
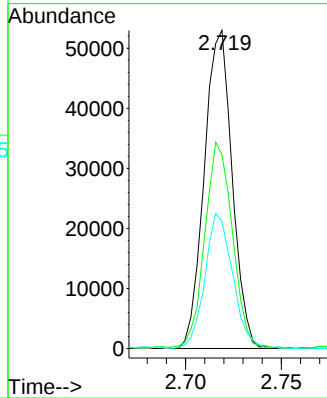
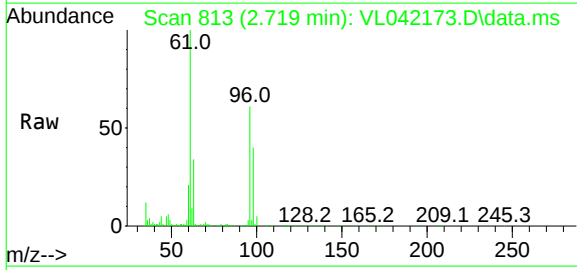
#31
cis-1,2-Dichloroethene
Concen: 2.003 ppbv
RT: 2.719 min Scan# 812
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:	61	Resp:	53713
Ion	Ratio	Lower	Upper
61	100		
96	60.6	51.8	77.8
98	39.6	30.6	46.0

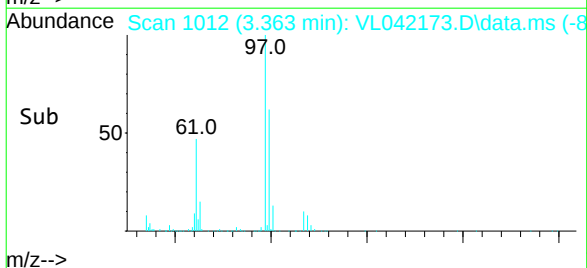
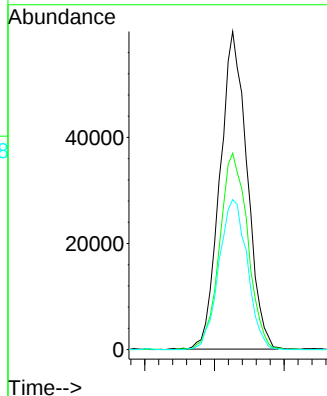
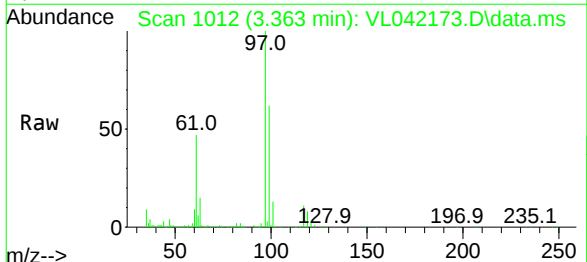
Manual Integrations
APPROVED

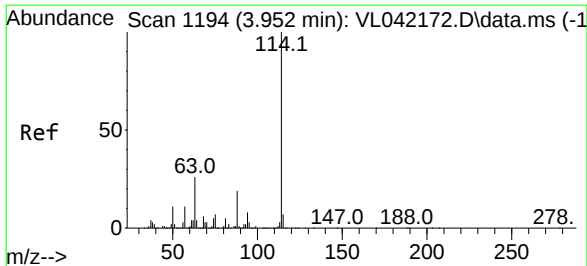
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#32
1,1,1-Trichloroethane
Concen: 1.833 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

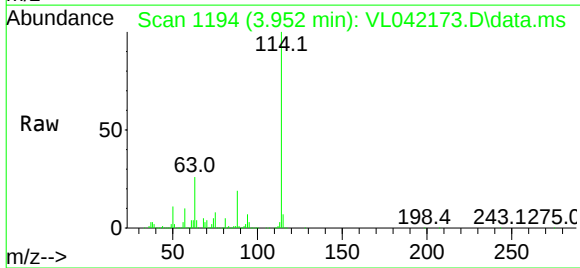
Tgt Ion:	97	Resp:	81070
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.5	77.3
61	49.3	38.7	58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

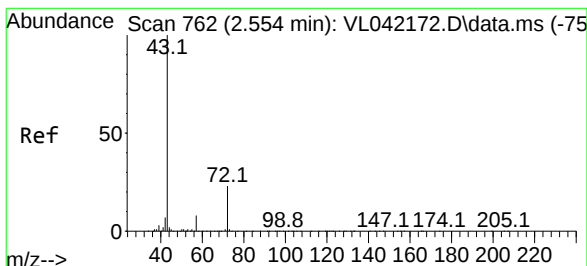
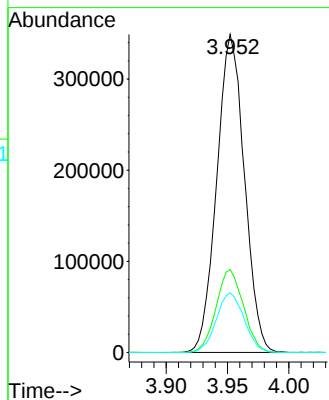
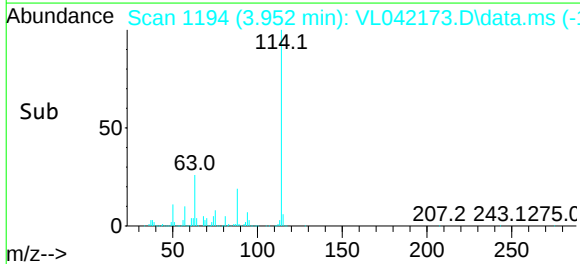
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 114 Resp: 546394
Ion Ratio Lower Upper
114 100
63 25.9 20.7 31.1
88 18.9 15.0 22.4

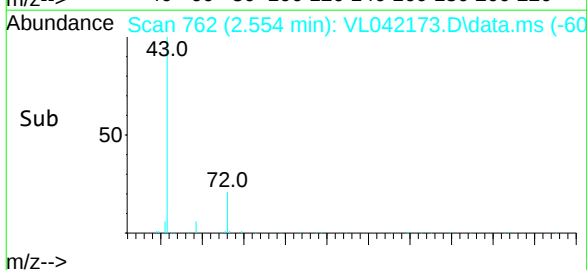
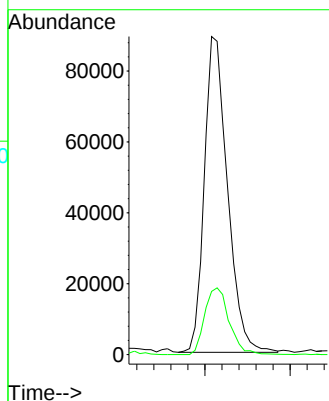
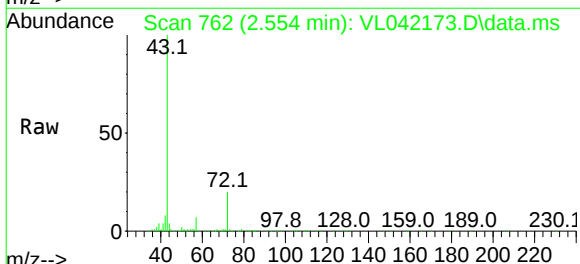
Manual Integrations
APPROVED

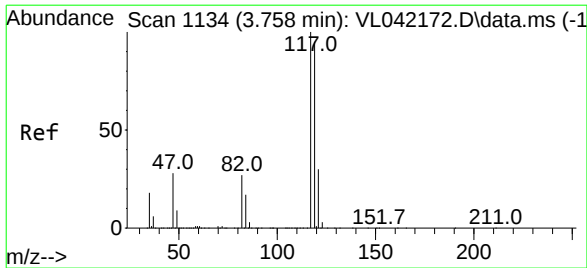
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#34
2-Butanone
Concen: 2.124 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 43 Resp: 84157
Ion Ratio Lower Upper
43 100
72 22.4 18.2 27.2





#35

Carbon Tetrachloride

Concen: 1.944 ppbv

RT: 3.758 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL042173.D

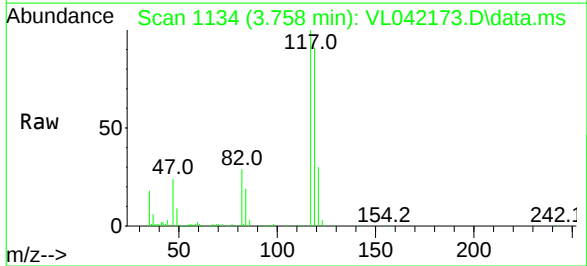
Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002



Tgt Ion: 117 Resp: 81735

Ion Ratio Lower Upper

117 100

119 90.8 76.2 114.2

121 30.0 24.2 36.4

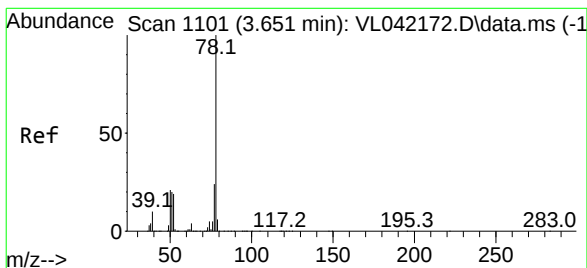
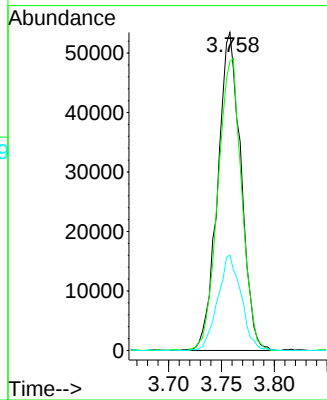
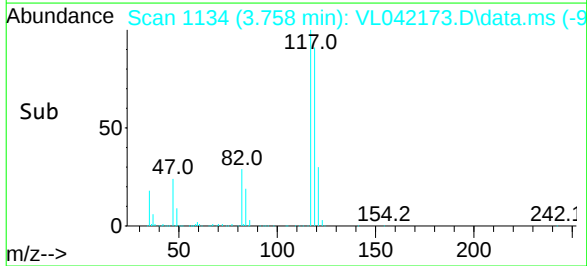
Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda

04/03/2025



#36

Benzene

Concen: 2.044 ppbv

RT: 3.651 min Scan# 1101

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

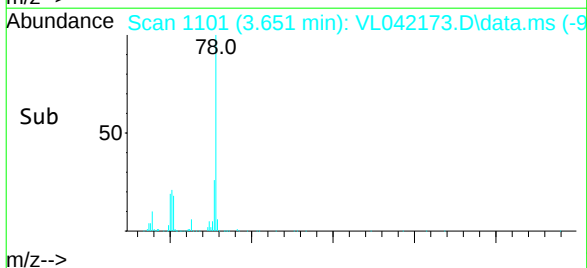
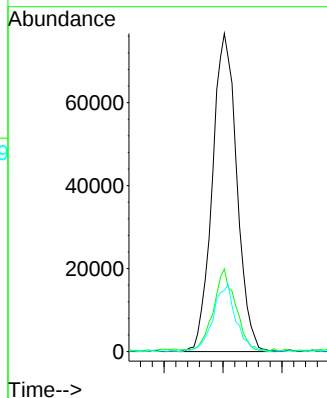
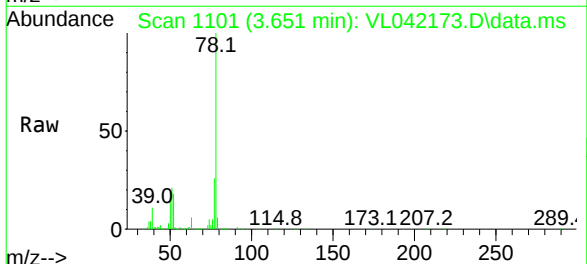
Tgt Ion: 78 Resp: 110727

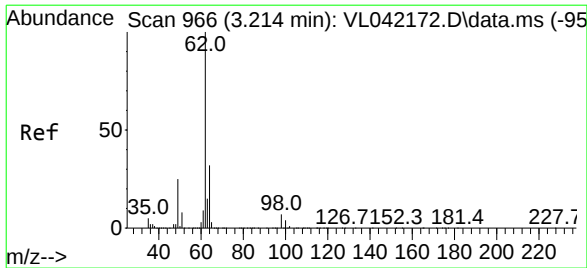
Ion Ratio Lower Upper

78 100

77 25.7 19.1 28.7

50 19.3 16.6 24.8





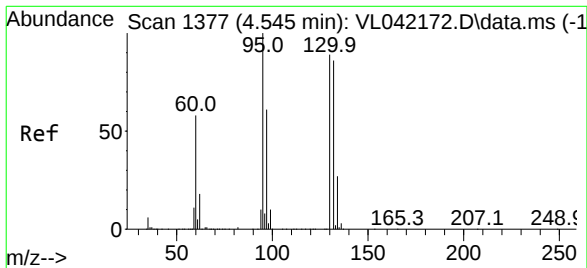
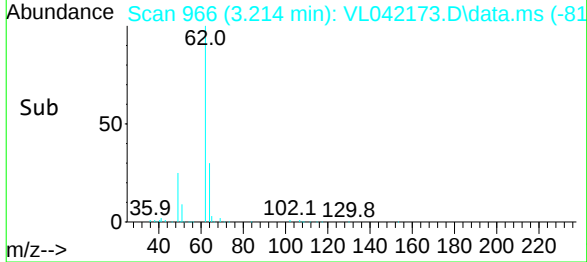
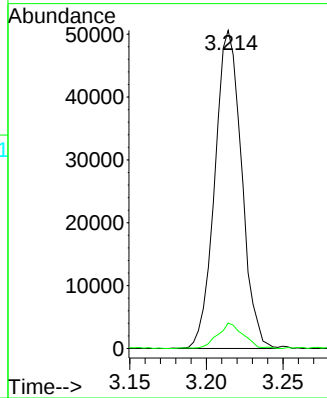
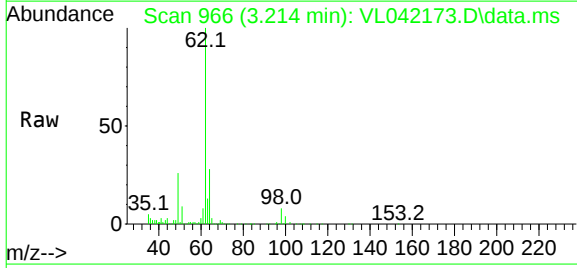
#37
1,2-Dichloroethane
Concen: 1.982 ppbv
RT: 3.214 min Scan# 966
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 62 Resp: 61476
Ion Ratio Lower Upper
62 100
98 7.7 5.4 8.2

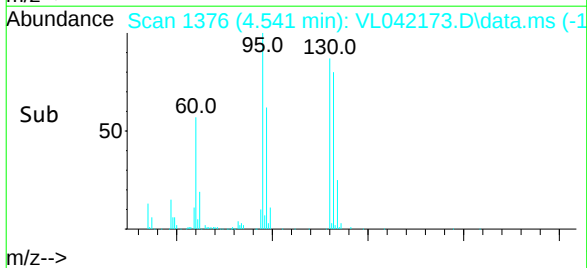
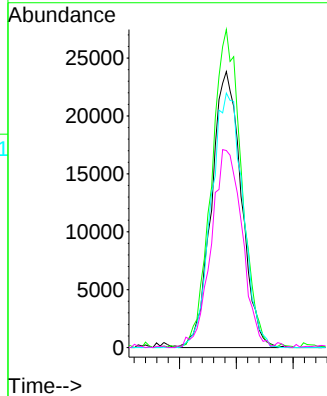
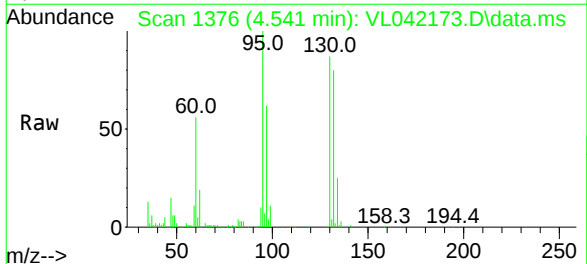
Manual Integrations
APPROVED

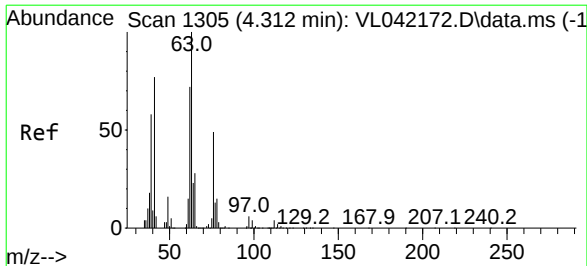
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#38
Trichloroethene
Concen: 1.924 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

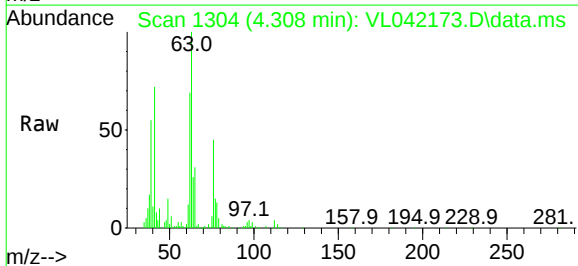
Tgt Ion:130 Resp: 43501
Ion Ratio Lower Upper
130 100
95 114.8 89.8 134.8
132 92.2 77.4 116.2
97 70.8 55.1 82.7





#39
1,2-Dichloropropane
Concen: 2.023 ppbv
RT: 4.308 min Scan# 1305
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

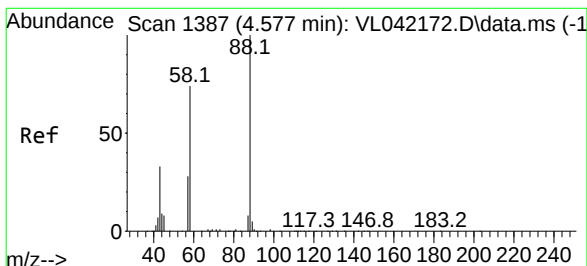
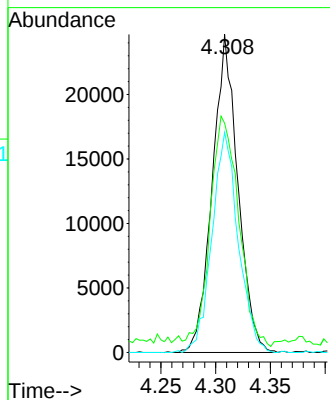
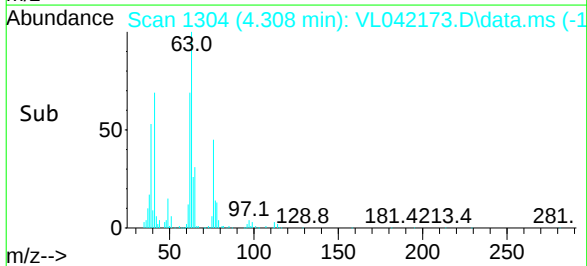
Instrument : MSVOA_L
ClientSampleId : VSTDICC002



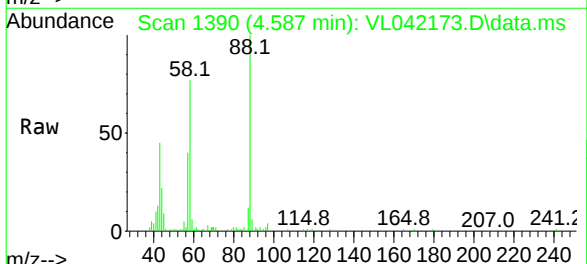
Tgt Ion: 63 Resp: 39912
Ion Ratio Lower Upper
63 100
41 68.6 61.7 92.5
62 69.2 57.6 86.4

Manual Integrations
APPROVED

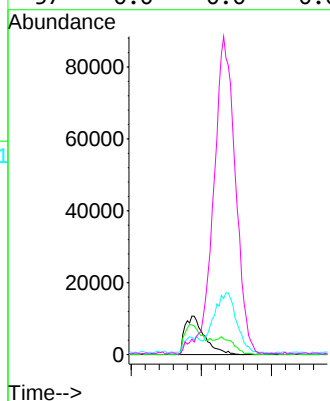
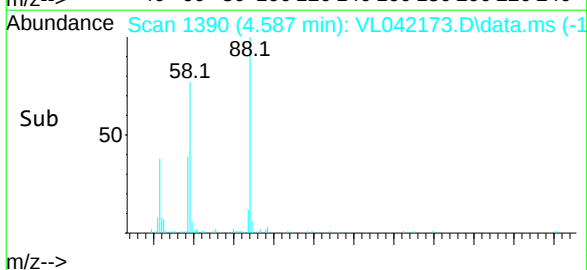
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

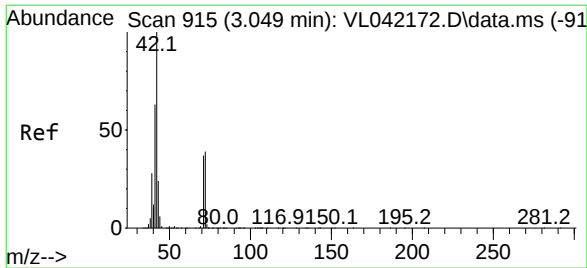


#40
1,4-Dioxane
Concen: 2.040 ppbv m
RT: 4.587 min Scan# 1390
Delta R.T. 0.009 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59



Tgt Ion: 88 Resp: 20884
Ion Ratio Lower Upper
88 100
58 119.5 62.7 94.1#
43 0.0 23.0 34.4#
57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 2.097 ppbv

RT: 3.056 min Scan# 91

Delta R.T. 0.006 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 42 Resp: 47262

Ion Ratio Lower Upper

42 100

72 39.6 31.4 47.0

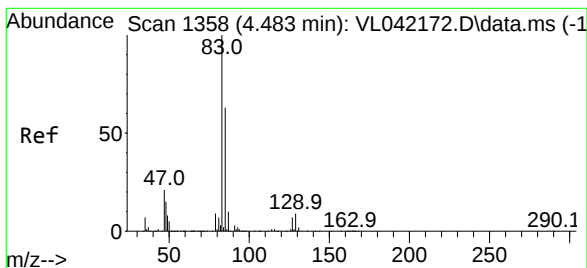
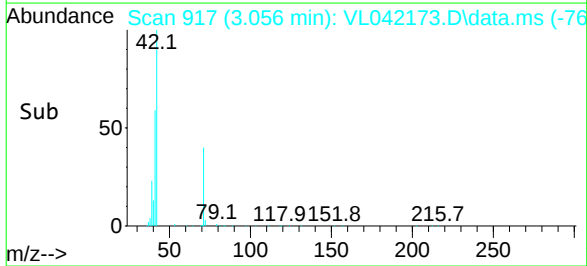
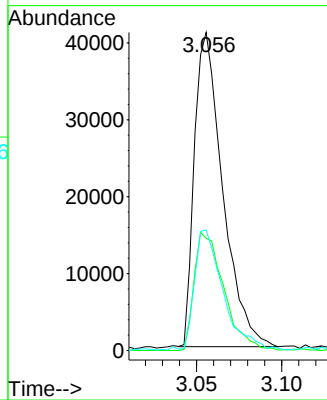
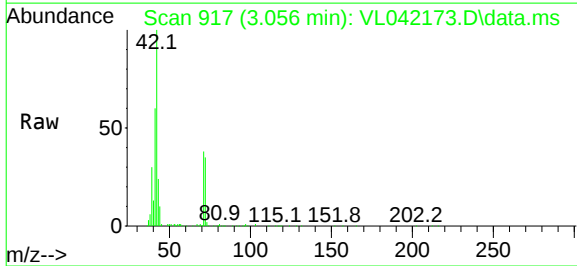
71 39.0 30.2 45.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#42

Bromodichloromethane

Concen: 2.050 ppbv

RT: 4.483 min Scan# 1358

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

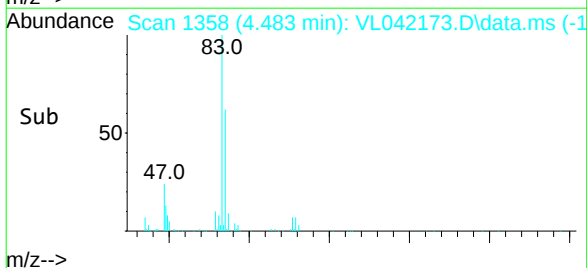
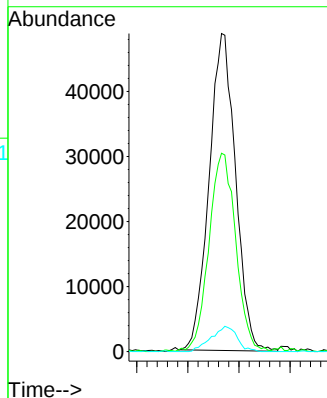
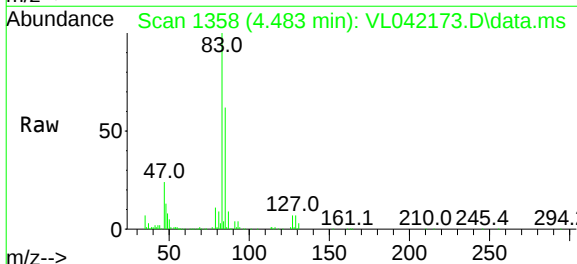
Tgt Ion: 83 Resp: 87640

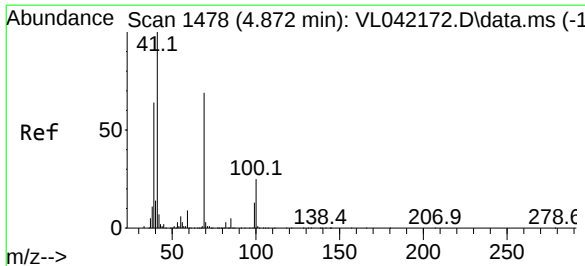
Ion Ratio Lower Upper

83 100

85 62.2 50.5 75.7

127 6.9 5.9 8.9





#43

Methyl Methacrylate

Concen: 1.952 ppbv

RT: 4.878 min Scan# 14

Delta R.T. 0.006 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 69 Resp: 44624

Ion Ratio Lower Upper

69 100

41 158.7 123.8 185.6

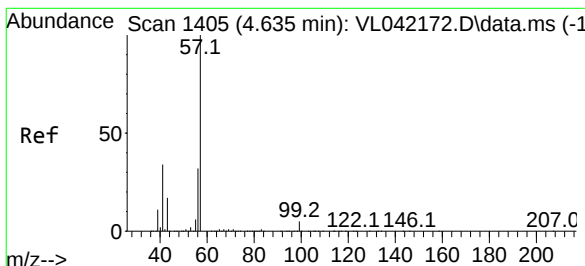
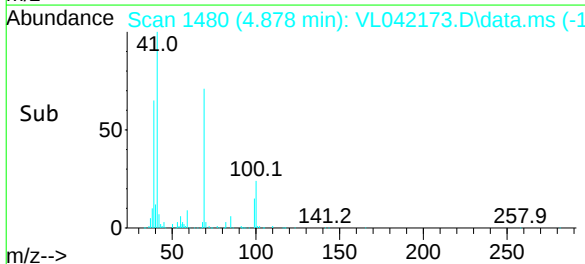
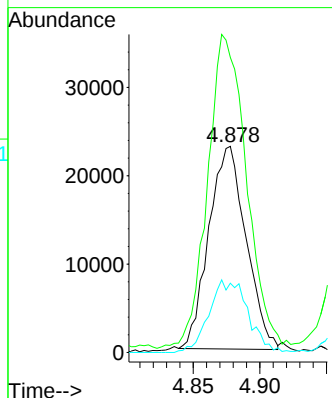
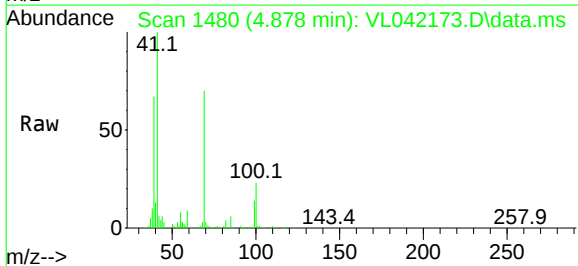
100 37.5 28.4 42.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#44

2,2,4-Trimethylpentane

Concen: 2.057 ppbv

RT: 4.632 min Scan# 1404

Delta R.T. -0.003 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

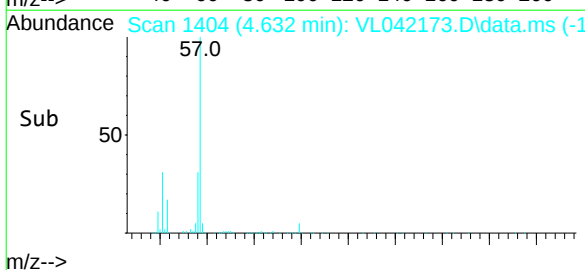
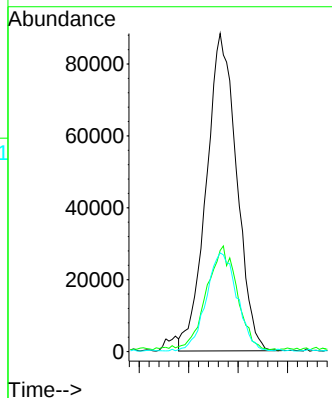
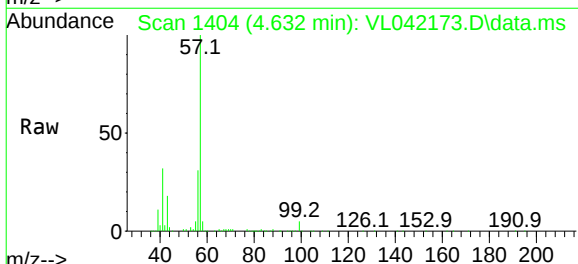
Tgt Ion: 57 Resp: 188282

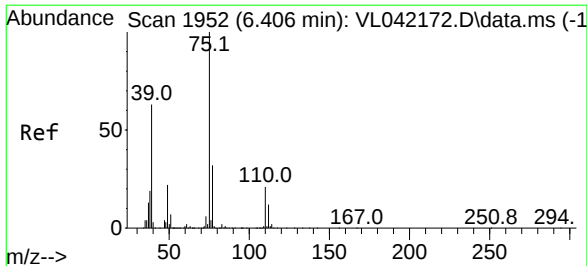
Ion Ratio Lower Upper

57 100

41 33.8 26.8 40.2

56 31.8 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 2.011 ppbv

RT: 6.406 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 75 Resp: 49461

Ion Ratio Lower Upper

75 100

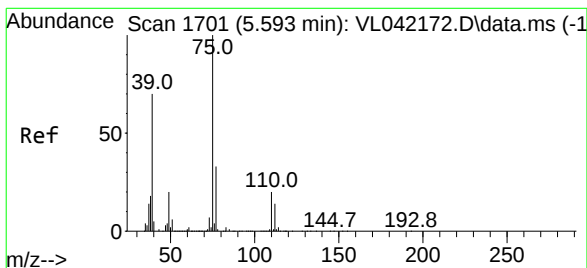
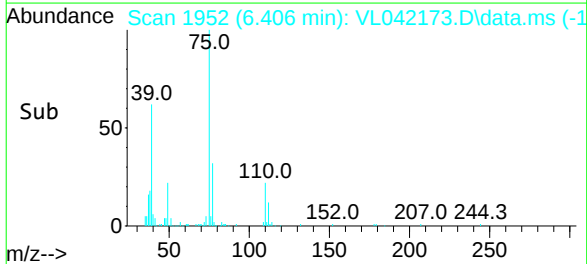
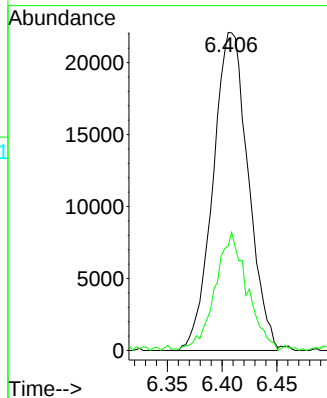
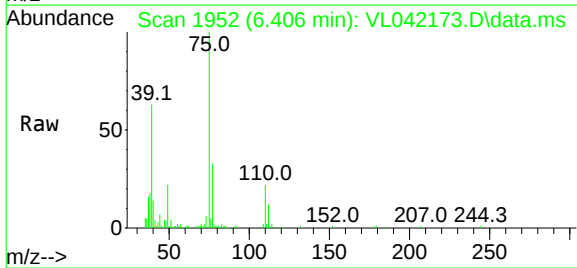
77 32.9 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#46

cis-1,3-Dichloropropene

Concen: 2.050 ppbv

RT: 5.593 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

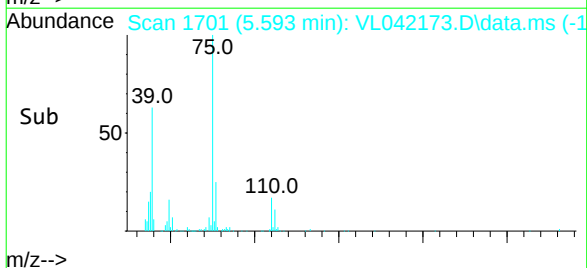
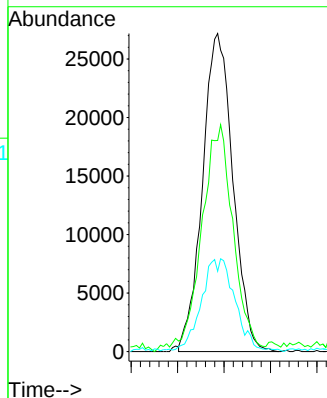
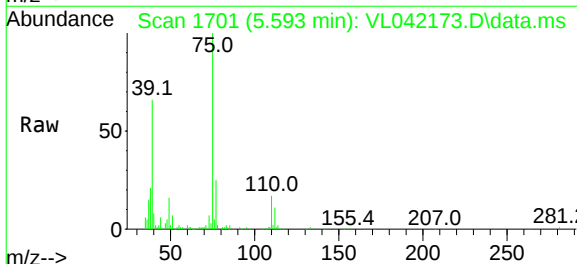
Tgt Ion: 75 Resp: 61829

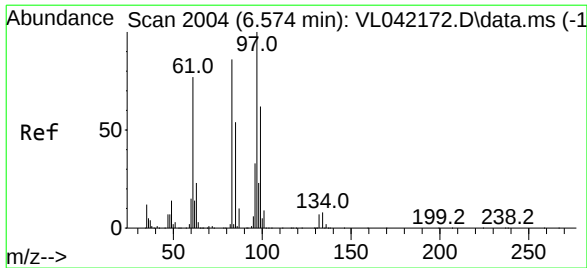
Ion Ratio Lower Upper

75 100

39 64.4 55.8 83.6

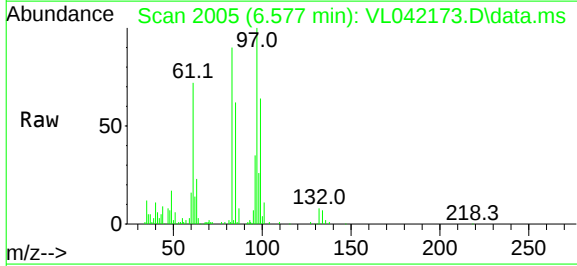
77 24.5 26.0 39.0#





#47
1,1,2-Trichloroethane
Concen: 1.985 ppbv
RT: 6.577 min Scan# 2005
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

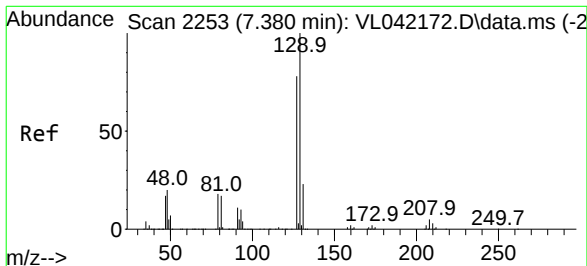
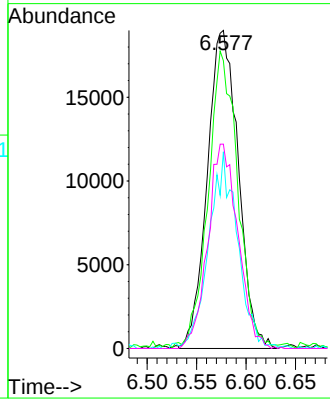
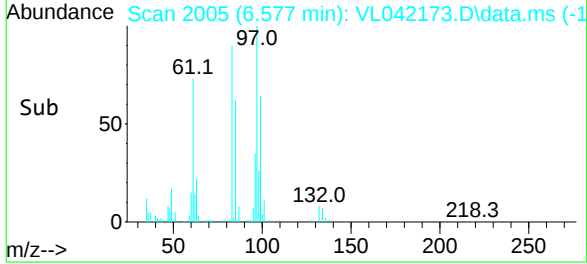
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.4	69.2	103.8
85	61.3	43.1	64.7
99	64.2	49.4	74.2

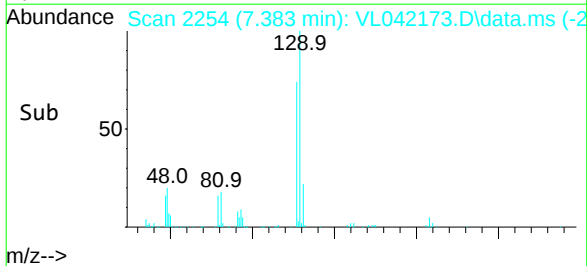
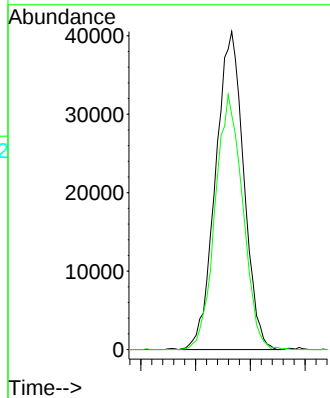
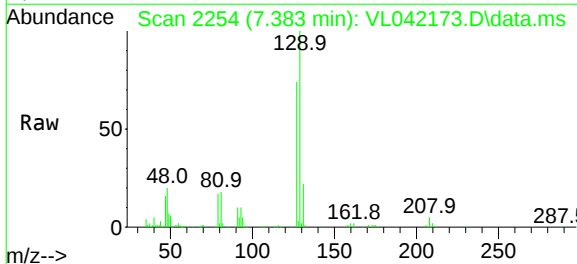
Manual Integrations
APPROVED

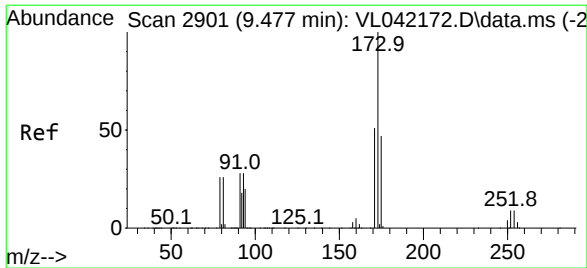
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#48
Dibromochloromethane
Concen: 2.050 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.2





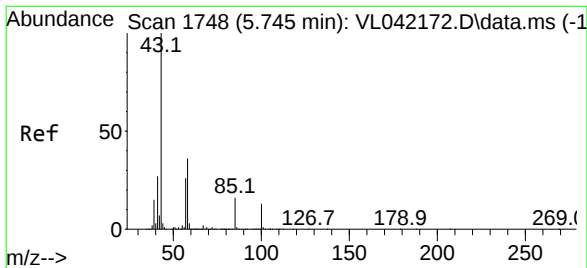
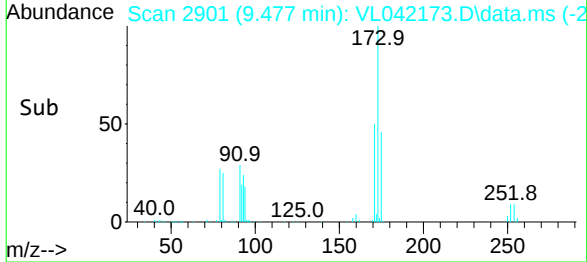
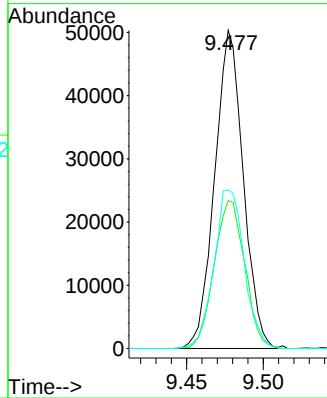
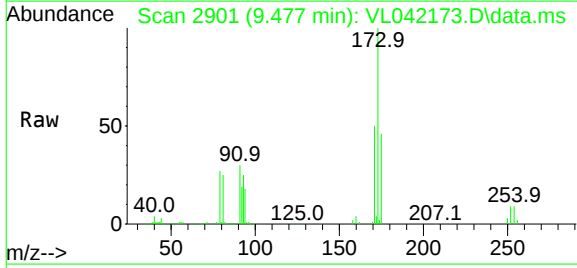
#49
Bromoform
Concen: 2.056 ppbv
RT: 9.477 min Scan# 2901
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.7	38.6	57.8
171	53.0	41.8	62.6

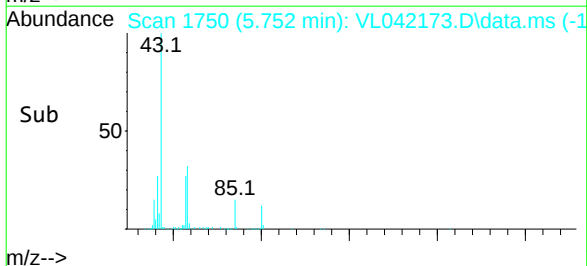
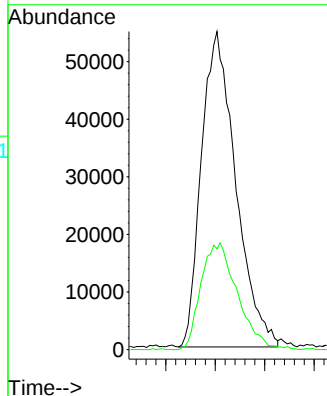
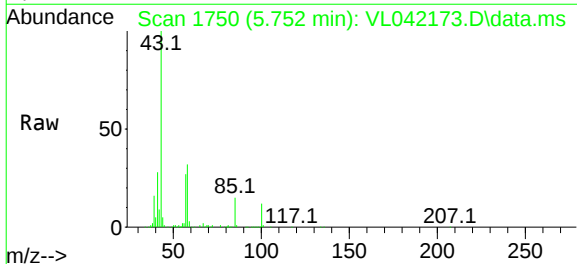
Manual Integrations
APPROVED

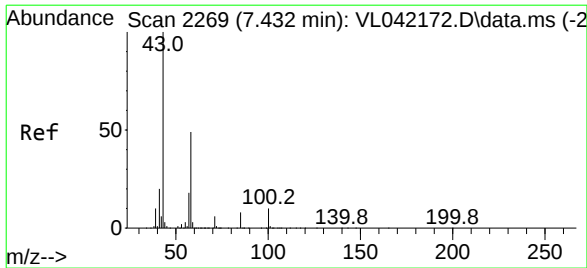
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#50
4-Methyl-2-Pentanone
Concen: 2.107 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.9	29.0	43.6





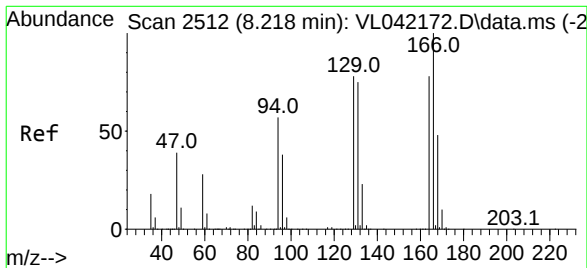
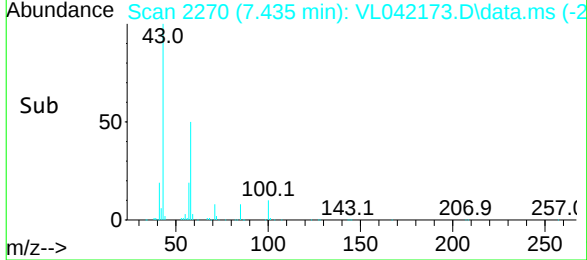
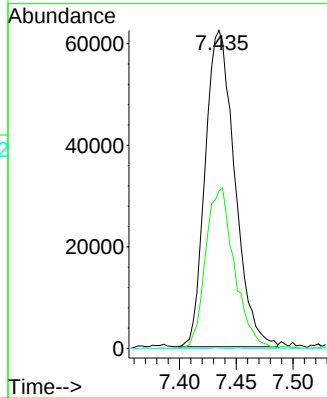
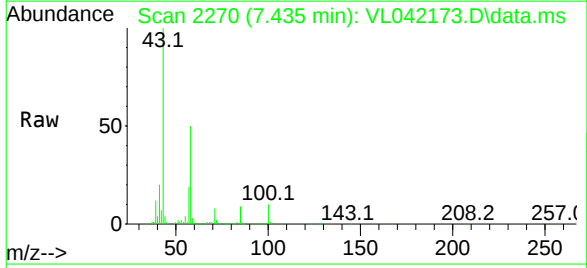
#51
2-Hexanone
Concen: 2.162 ppbv
RT: 7.435 min Scan# 2269
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion: 43 Resp: 112681
Ion Ratio Lower Upper
43 100
58 50.0 39.7 59.5
98 0.0 0.1 0.1#

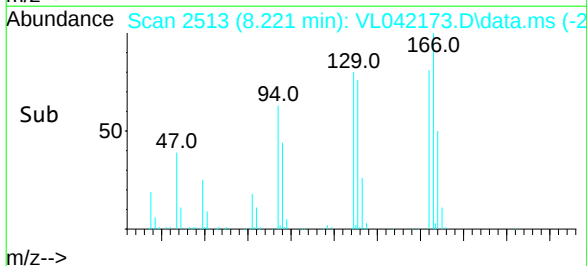
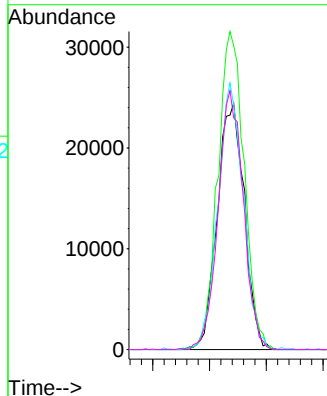
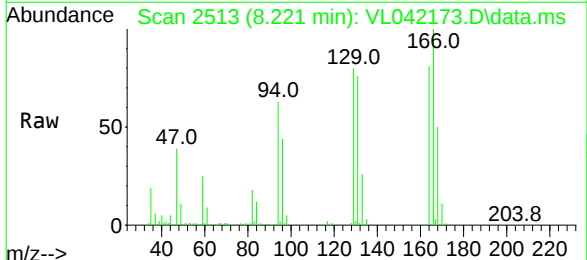
Manual Integrations
APPROVED

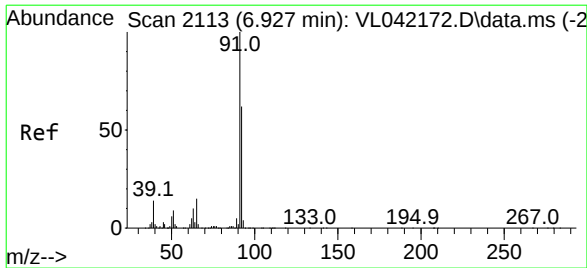
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#52
Tetrachloroethene
Concen: 1.888 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:164 Resp: 40558
Ion Ratio Lower Upper
164 100
166 123.4 102.5 153.7
129 99.2 79.8 119.8
131 94.1 76.6 114.8





#53

Toluene

Concen: 2.045 ppbv

RT: 6.923 min Scan# 2113

Delta R.T. -0.003 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 91 Resp: 131314

Ion Ratio Lower Upper

91 100

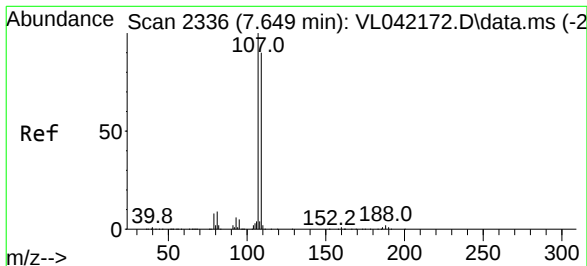
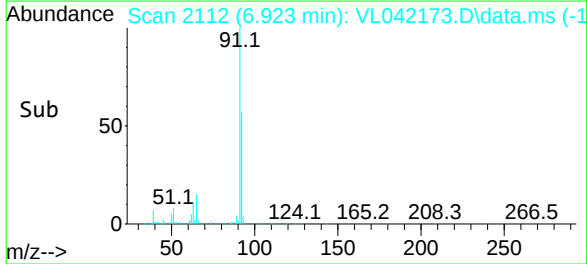
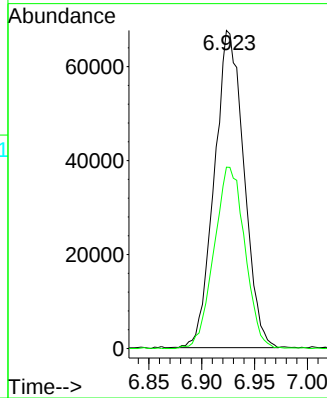
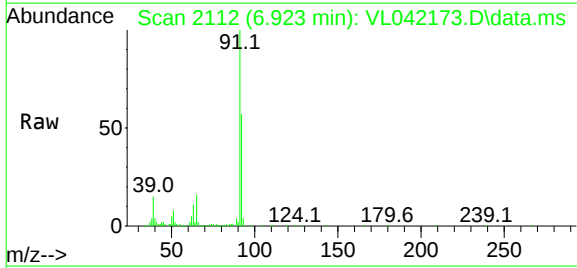
92 59.6 48.4 72.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#54

1,2-Dibromoethane

Concen: 1.952 ppbv

RT: 7.648 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VL042173.D

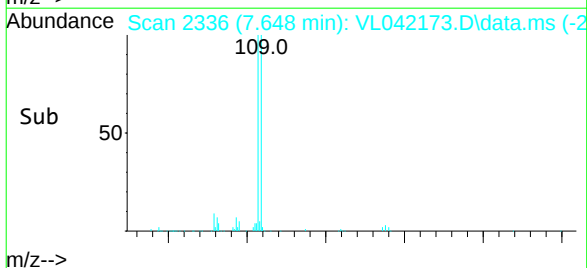
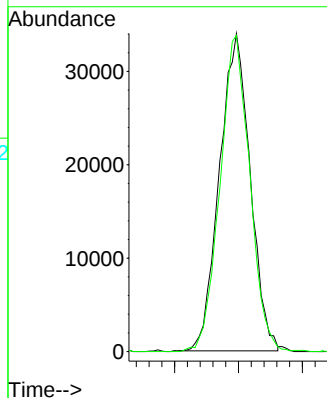
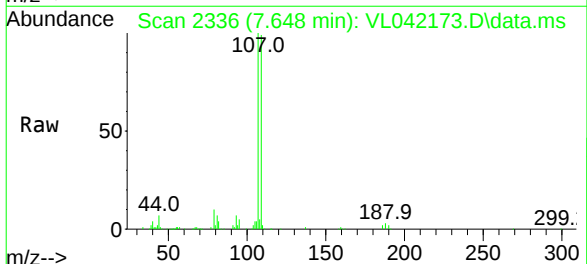
Acq: 27 Mar 2025 08:59

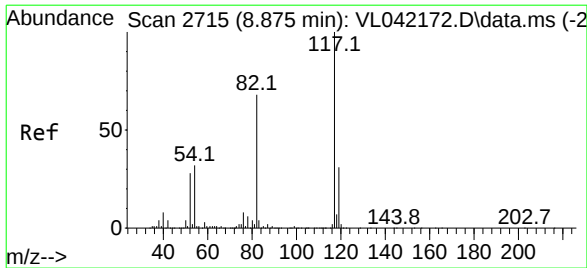
Tgt Ion:107 Resp: 56799

Ion Ratio Lower Upper

107 100

109 99.7 72.2 108.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 2715

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

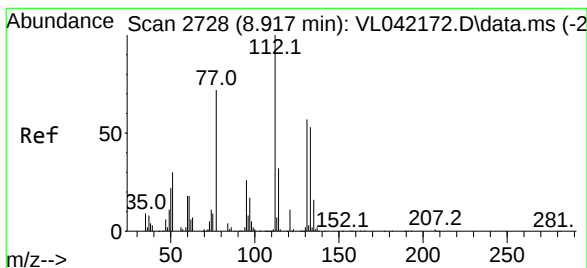
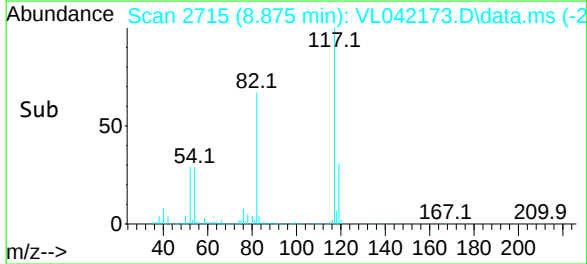
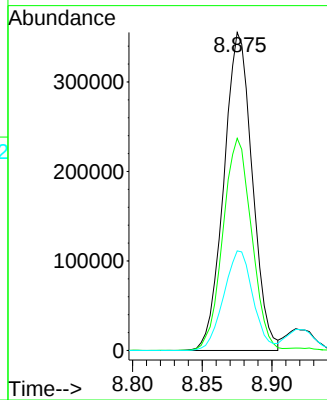
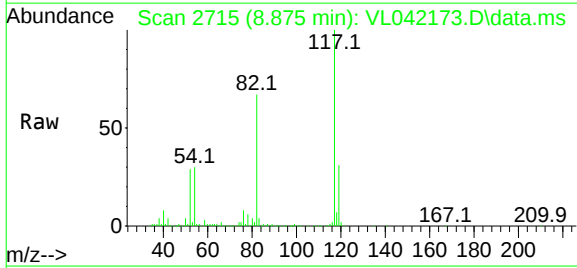
VSTDIC002

Tgt Ion:	117	Resp:	504538
Ion	Ratio	Lower	Upper
117	100		
82	68.2	55.8	83.6
119	33.0	25.5	38.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 2.093 ppbv

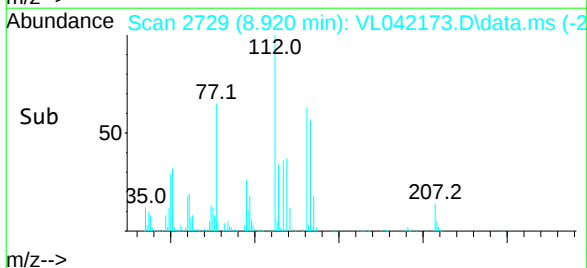
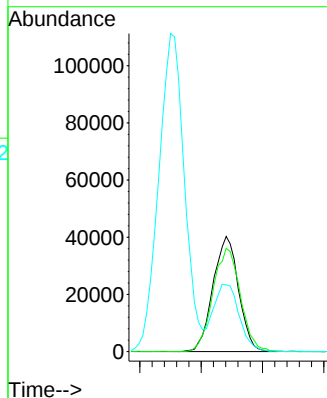
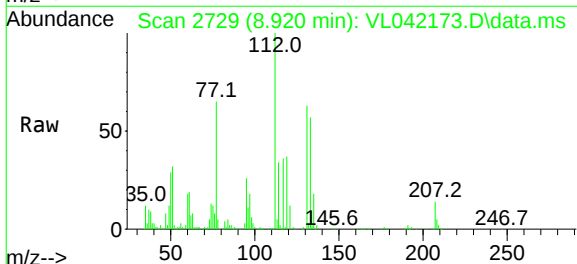
RT: 8.920 min Scan# 2729

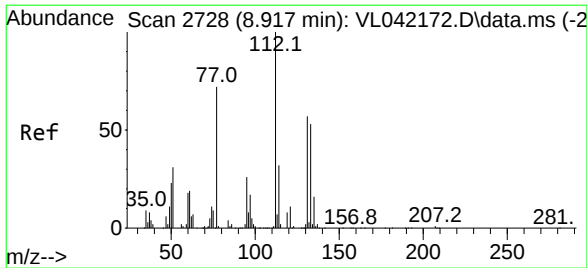
Delta R.T. 0.003 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Tgt Ion:	131	Resp:	58141
Ion	Ratio	Lower	Upper
131	100		
133	96.6	76.6	114.8
119	58.3	49.8	74.6





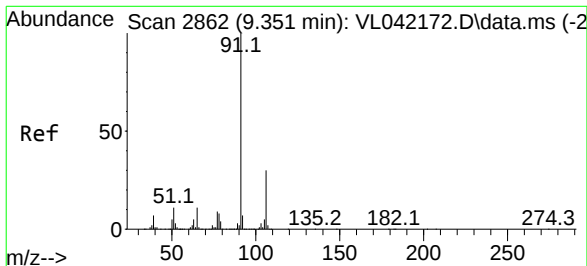
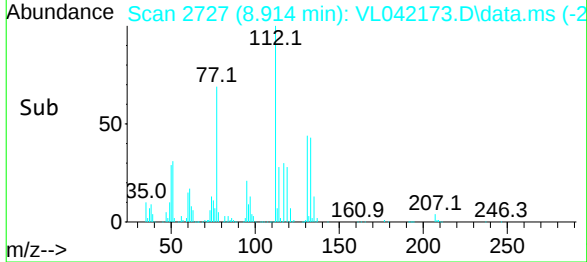
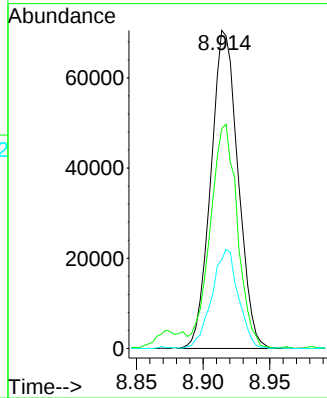
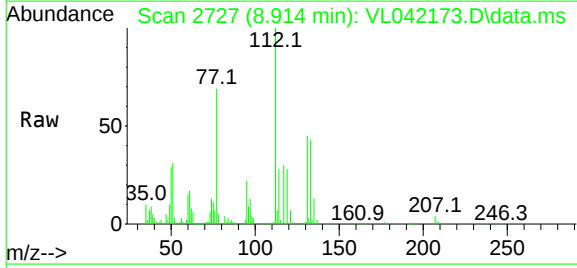
#57
Chlorobenzene
Concen: 2.096 ppbv
RT: 8.914 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 112 Resp: 100308
Ion Ratio Lower Upper
112 100
77 68.8 58.2 87.2
114 27.8 29.1 35.5#

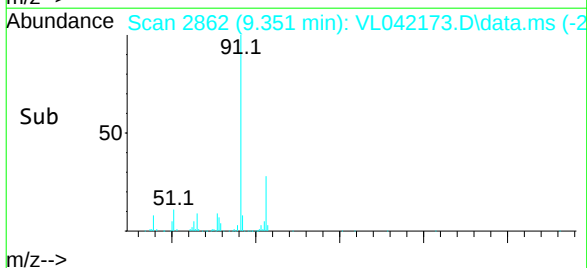
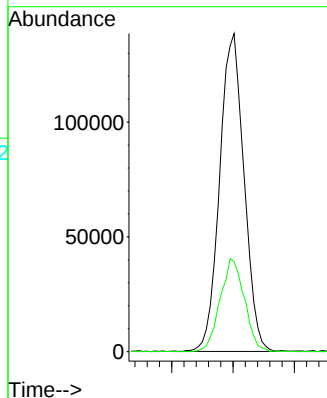
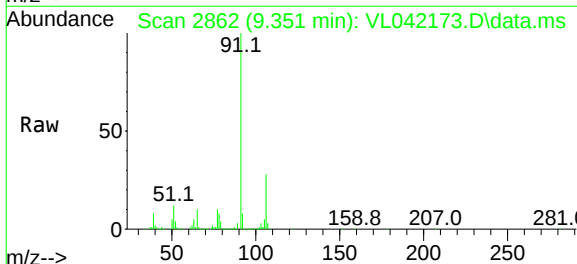
Manual Integrations
APPROVED

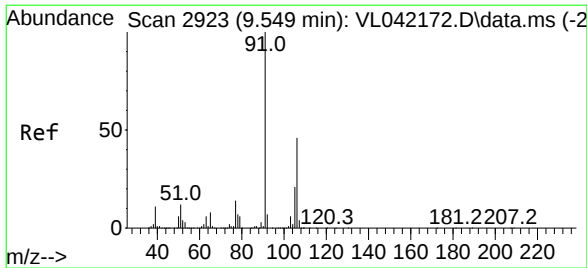
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#58
Ethyl Benzene
Concen: 2.132 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 91 Resp: 191114
Ion Ratio Lower Upper
91 100
106 28.3 24.2 36.2





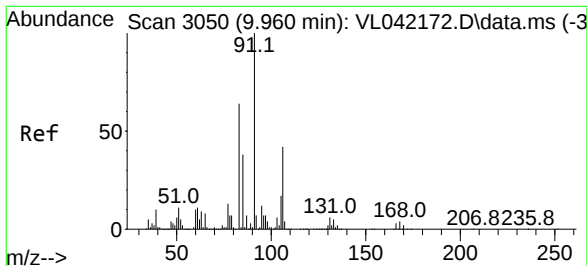
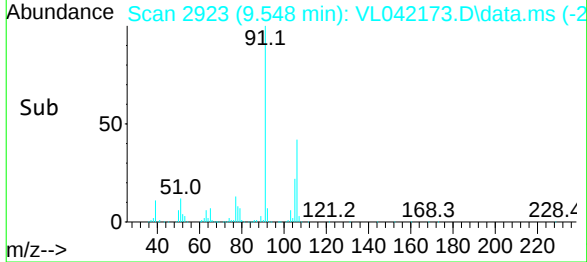
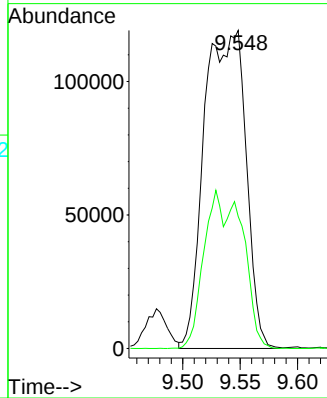
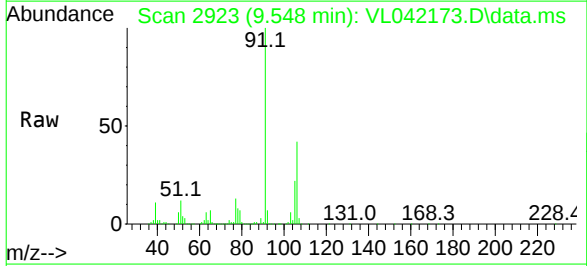
#59
m/p-Xylene
Concen: 4.181 ppbv m
RT: 9.548 min Scan# 2923
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion: 91 Resp: 299531
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6#

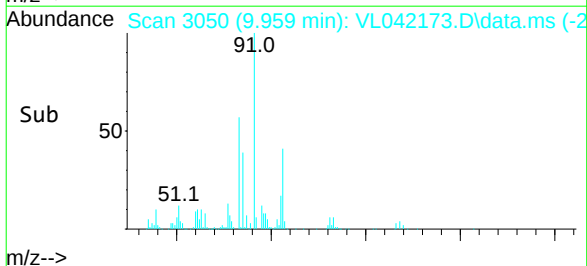
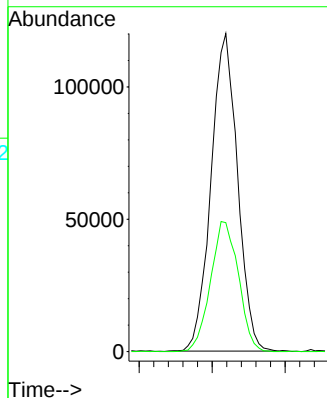
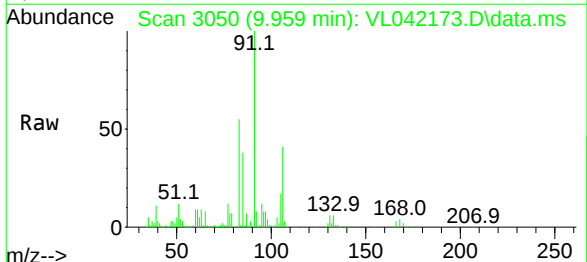
Manual Integrations
APPROVED

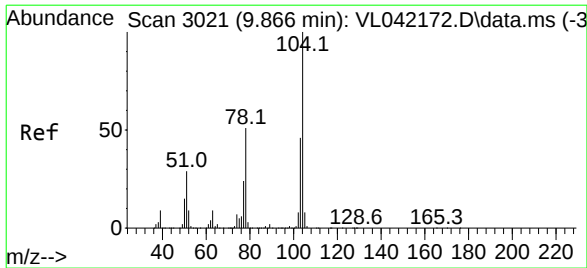
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#60
o-Xylene
Concen: 2.109 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

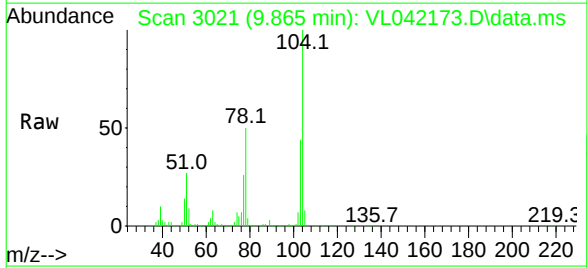
Tgt Ion: 91 Resp: 151292
Ion Ratio Lower Upper
91 100
106 43.2 20.8 62.5





#61
Styrene
Concen: 2.089 ppbv
RT: 9.865 min Scan# 3021
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

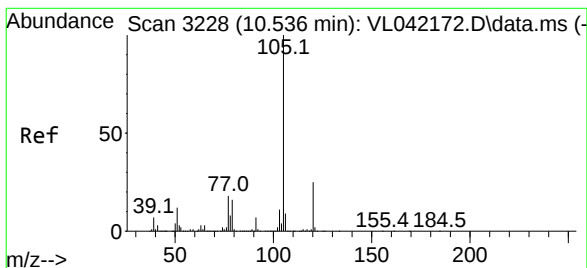
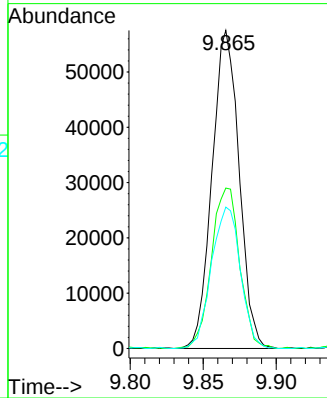
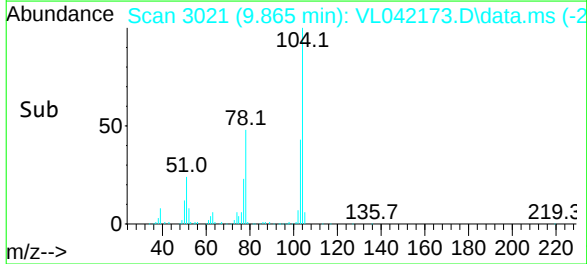
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



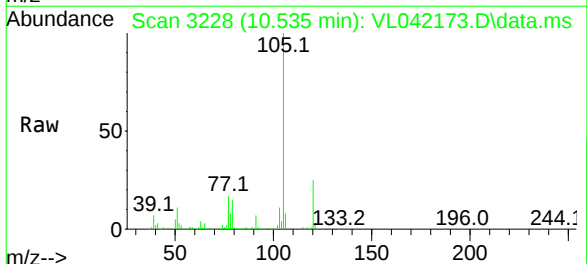
Tgt Ion:104 Resp: 74134
Ion Ratio Lower Upper
104 100
78 52.8 41.8 62.6
103 47.8 37.0 55.4

Manual Integrations
APPROVED

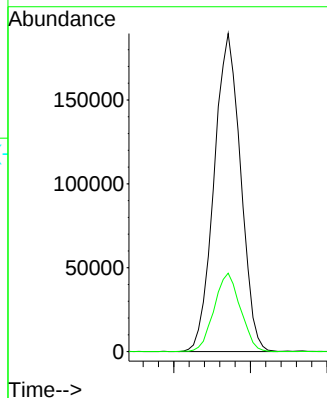
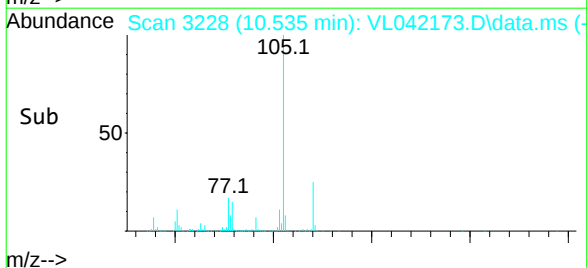
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

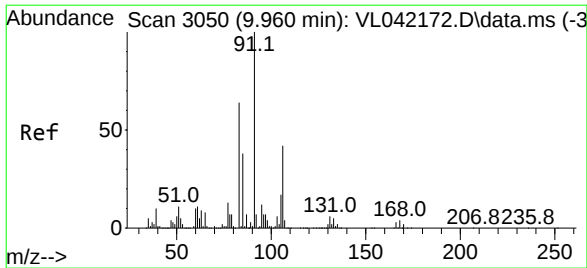


#62
Isopropylbenzene
Concen: 2.127 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59



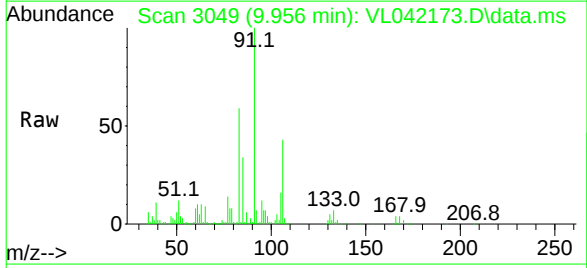
Tgt Ion:105 Resp: 228191
Ion Ratio Lower Upper
105 100
120 24.4 19.9 29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 2.067 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

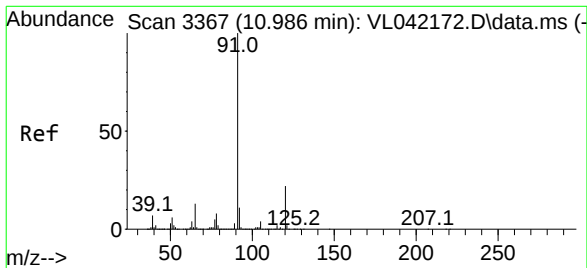
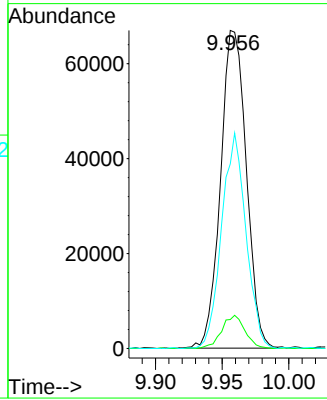
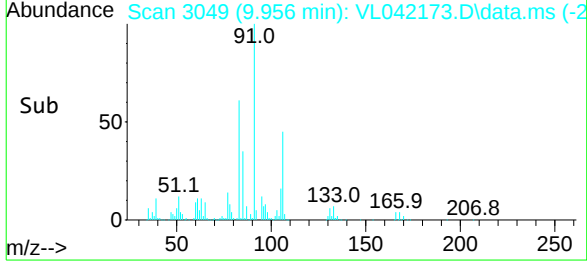
Instrument : MSVOA_L
ClientSampleId : VSTDICC002



Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	64.4	32.5	97.5

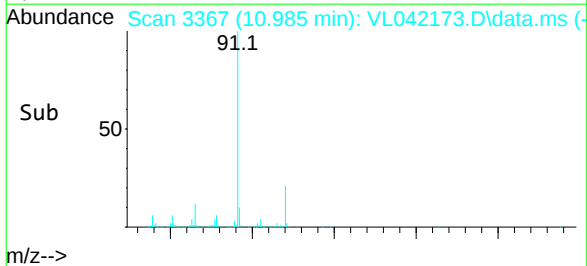
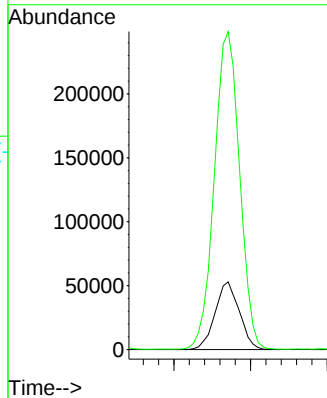
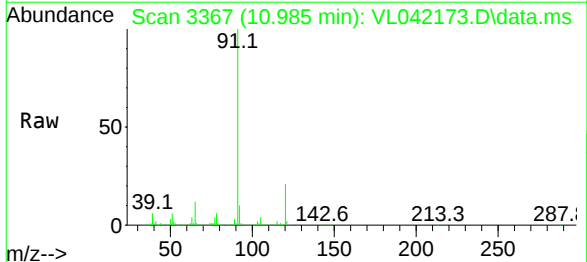
Manual Integrations
APPROVED

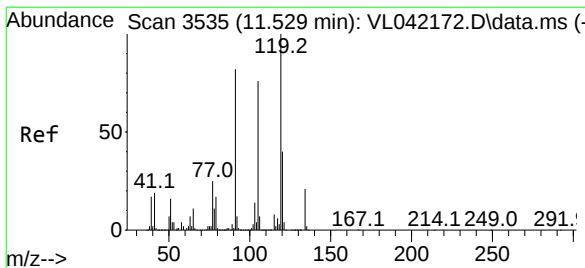
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#64
n-propylbenzene
Concen: 2.104 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion	Ratio	Lower	Upper
120	100		
91	491.1	376.9	565.3





#65

tert-Butylbenzene

Concen: 2.180 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

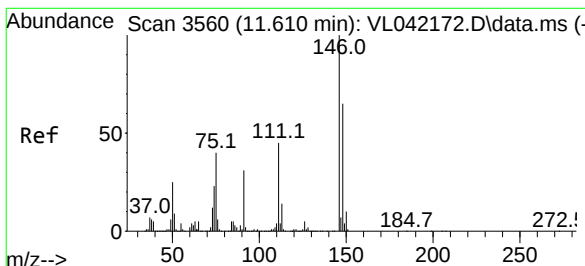
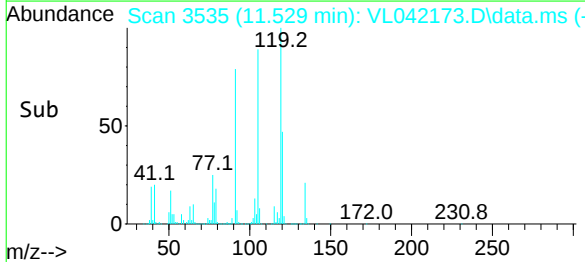
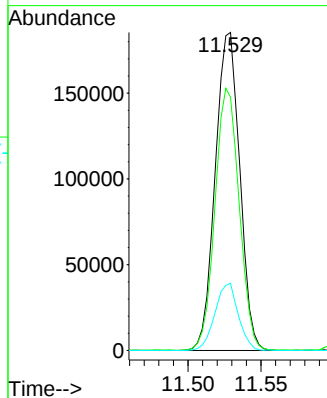
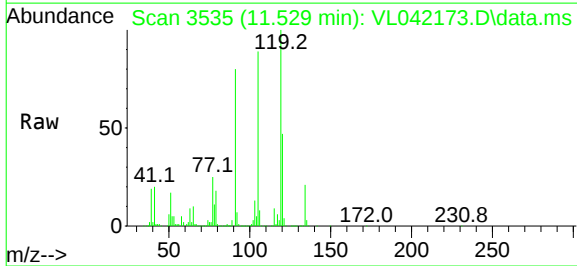
VSTDIC002

Tgt Ion:	119	Resp:	216336
Ion Ratio	Lower	Upper	
119	100		
91	81.5	66.0	99.0
134	20.2	16.7	25.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#66

Benzyl Chloride

Concen: 2.116 ppbv

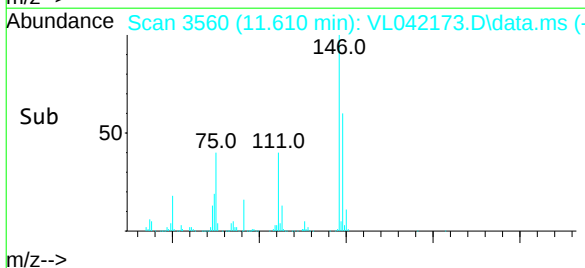
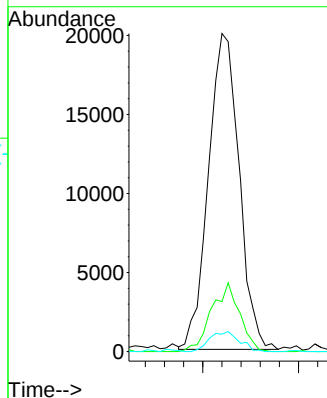
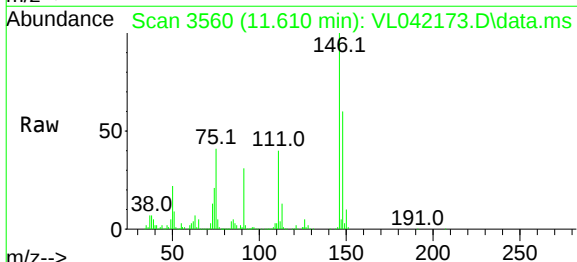
RT: 11.610 min Scan# 3560

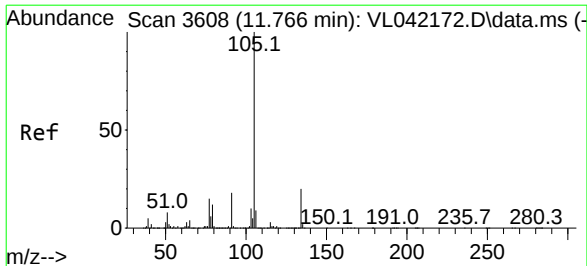
Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Tgt Ion:	91	Resp:	22272
Ion Ratio	Lower	Upper	
91	100		
126	20.0	13.8	20.6
128	6.5	4.5	6.7





#67

sec-Butylbenzene

Concen: 2.156 ppbv

RT: 11.762 min Scan# 3608

Delta R.T. -0.003 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 105 Resp: 297381

Ion Ratio Lower Upper

105 100

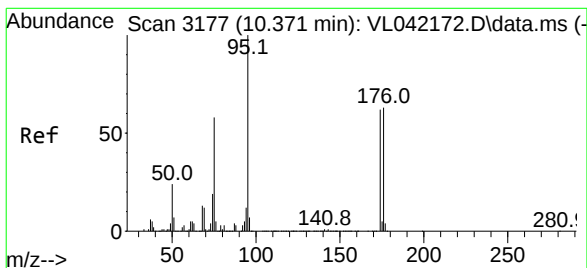
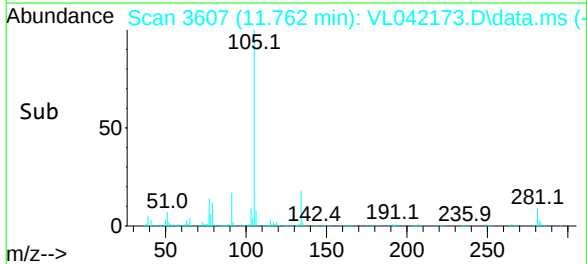
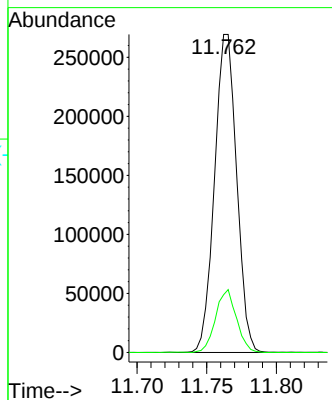
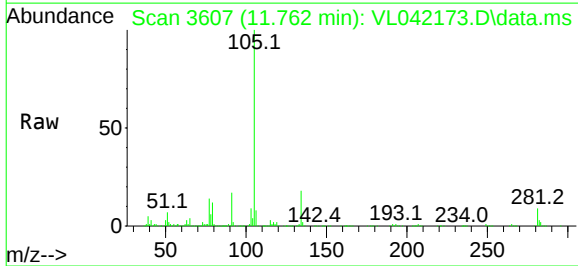
134 18.8 15.5 23.3

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 03/31/2025

Supervised By : Mahesh Dadoda 04/03/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.077 ppbv

RT: 10.370 min Scan# 3177

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

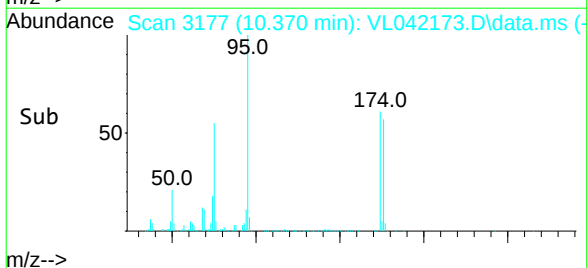
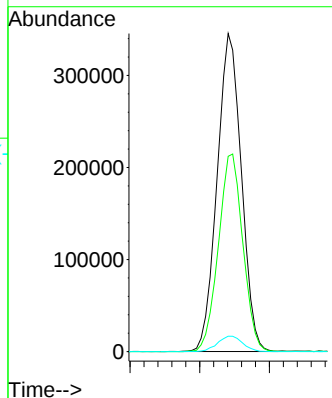
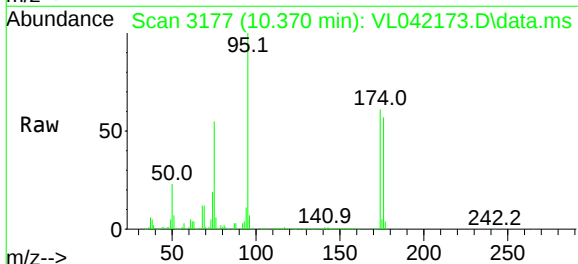
Tgt Ion: 95 Resp: 417532

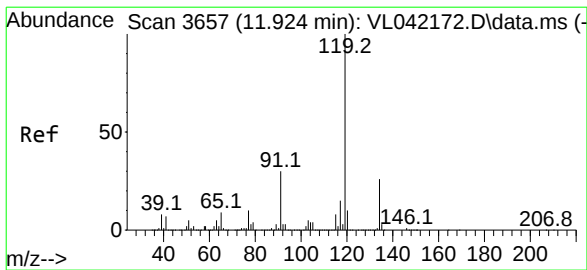
Ion Ratio Lower Upper

95 100

174 62.6 50.6 76.0

175 5.0 3.8 5.6





#69

p-Isopropyltoluene

Concen: 2.176 ppbv

RT: 11.921 min Scan# 3657

Delta R.T. -0.003 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

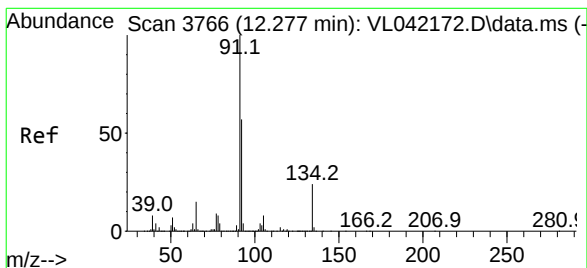
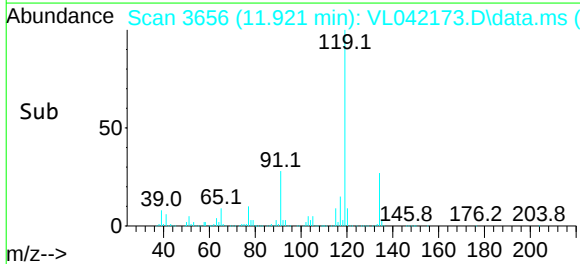
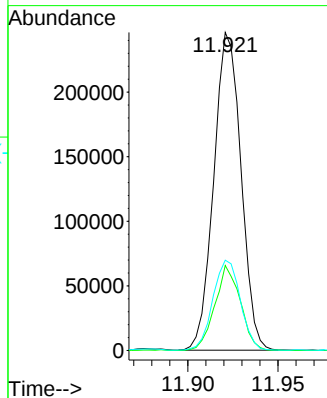
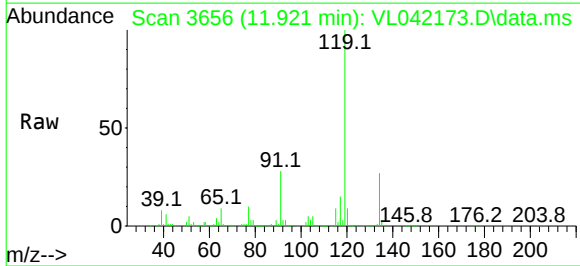
VSTDICC002

Tgt Ion:	119	Resp:	258357
Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.4	30.6
91	29.5	23.7	35.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#70

n-Butylbenzene

Concen: 2.228 ppbv

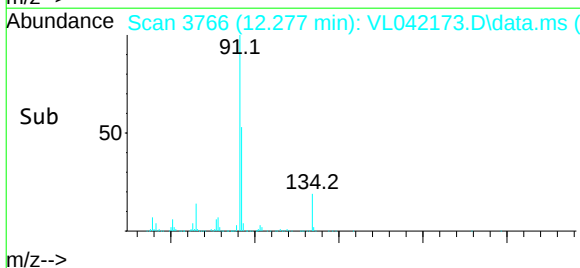
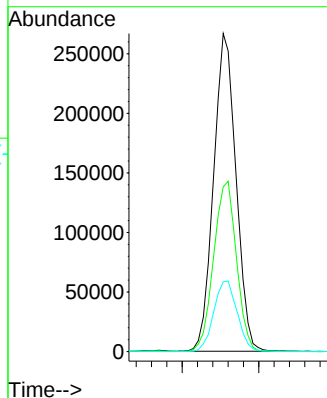
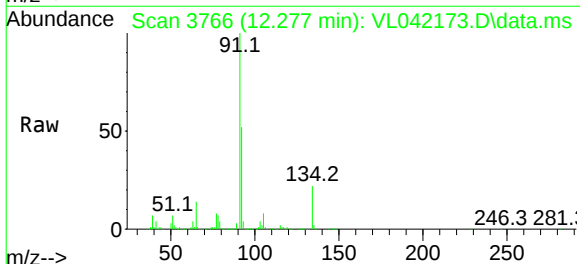
RT: 12.277 min Scan# 3766

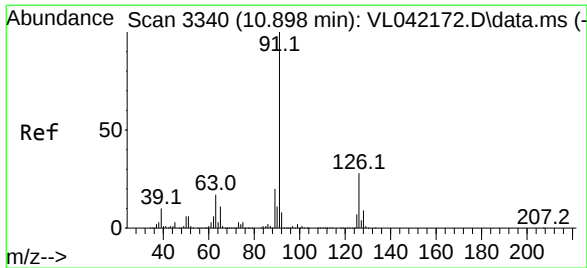
Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

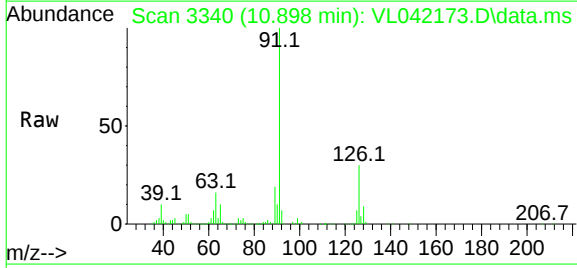
Tgt Ion:	91	Resp:	270616
Ion	Ratio	Lower	Upper
91	100		
92	55.1	44.9	67.3
134	23.3	19.2	28.8





#71
2-Chlorotoluene
Concen: 2.132 ppbv
RT: 10.898 min Scan# 3340
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

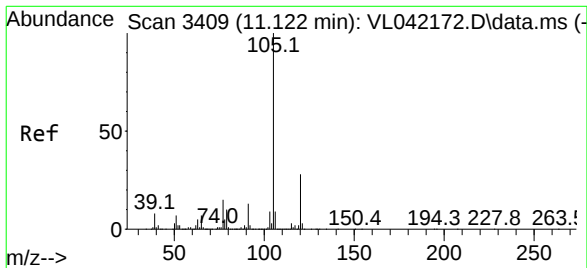
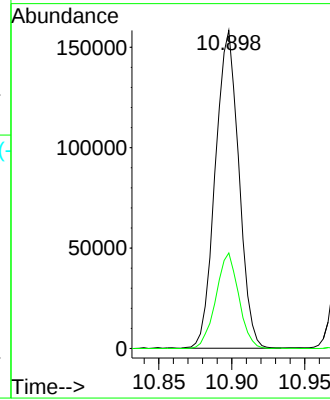
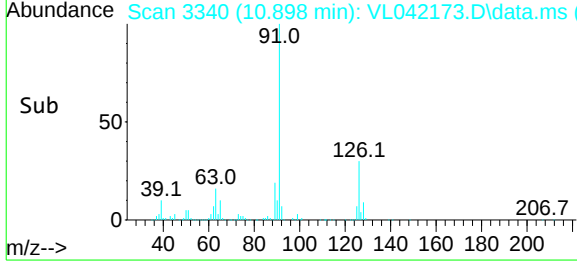
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



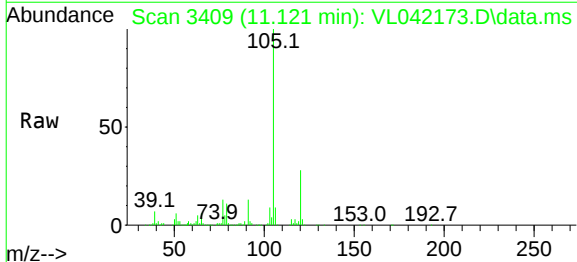
Tgt Ion: 91 Resp: 177487
Ion Ratio Lower Upper
91 100
126 29.2 11.6 46.4

Manual Integrations
APPROVED

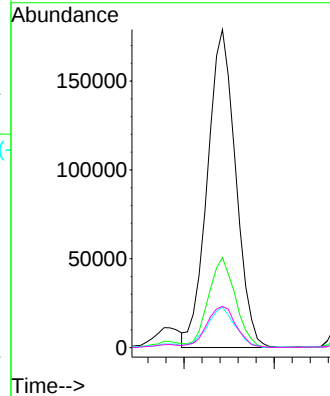
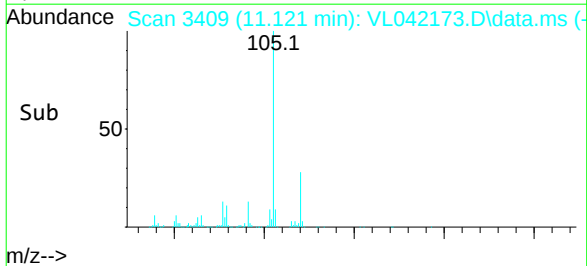
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

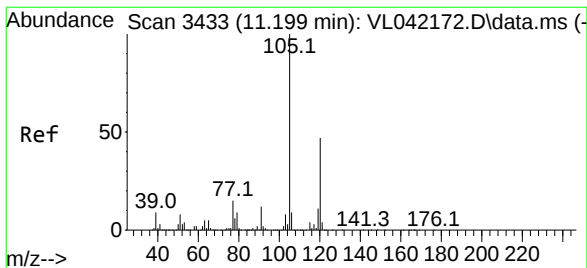


#72
4-Ethyltoluene
Concen: 2.179 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59



Tgt Ion:105 Resp: 194660
Ion Ratio Lower Upper
105 100
120 29.1 23.4 35.0
91 13.7 10.3 15.5
77 14.7 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 2.169 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:105 Resp: 169221

Ion Ratio Lower Upper

105 100

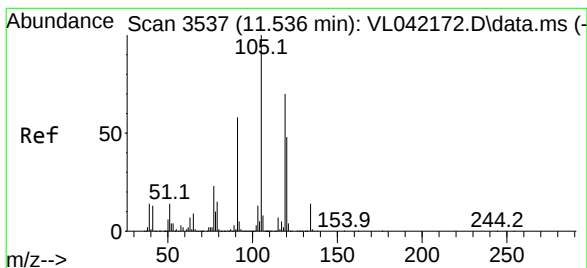
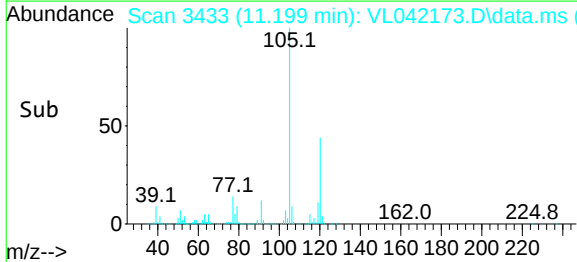
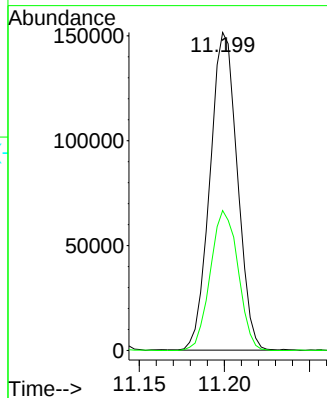
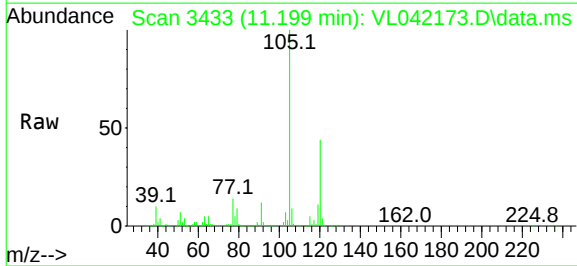
120 44.0 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#74

1,2,4-Trimethylbenzene

Concen: 2.207 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Tgt Ion:105 Resp: 198351

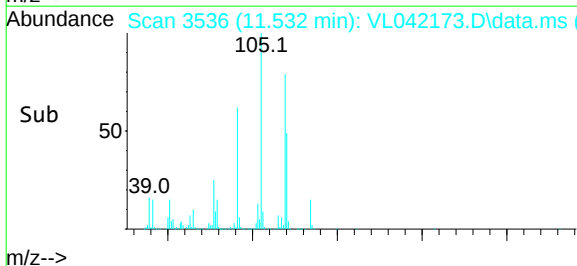
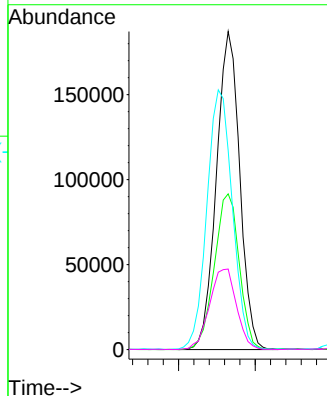
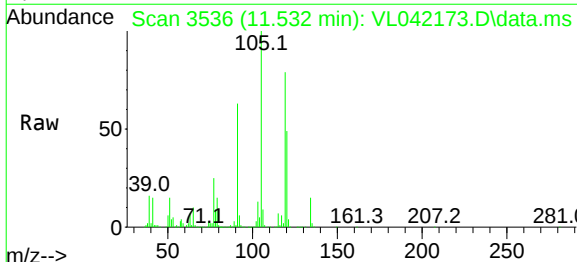
Ion Ratio Lower Upper

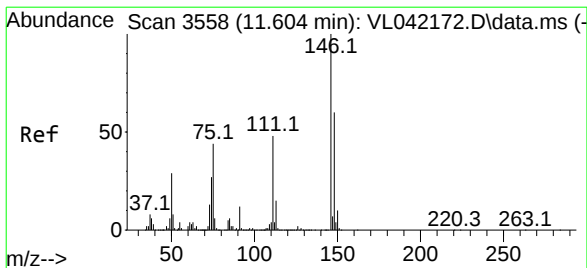
105 100

120 49.0 38.6 58.0

91 62.4 46.2 69.2

77 25.3 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 2.175 ppbv

RT: 11.604 min Scan# 3558

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

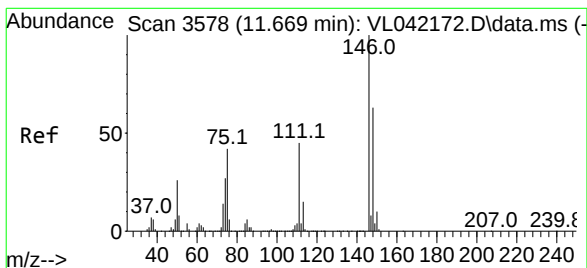
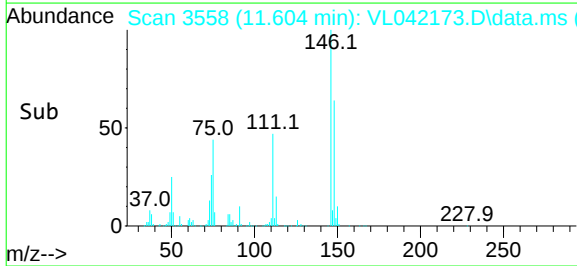
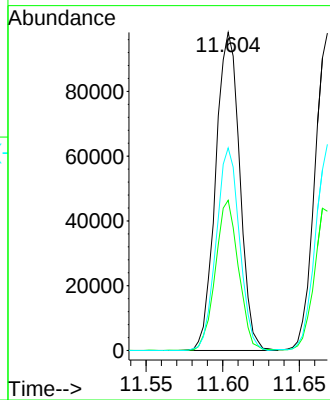
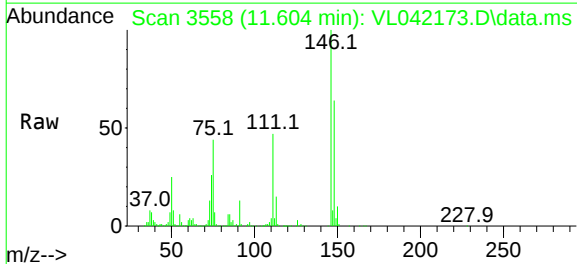
VSTDICC002

Tgt Ion:	146	Resp:	107217
Ion Ratio	Lower	Upper	
146	100		
111	45.5	23.8	71.2
148	61.6	31.9	95.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#76

1,4-Dichlorobenzene

Concen: 2.139 ppbv

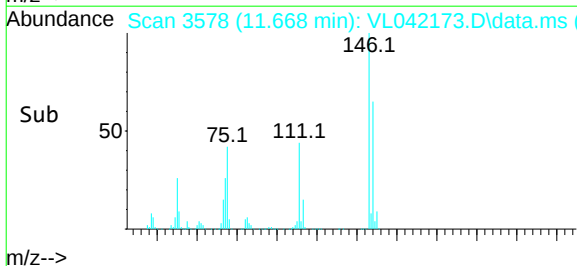
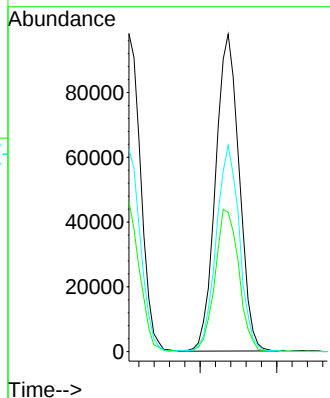
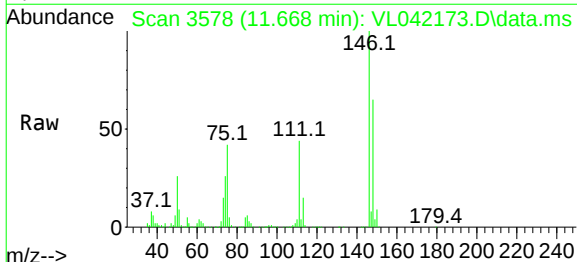
RT: 11.668 min Scan# 3578

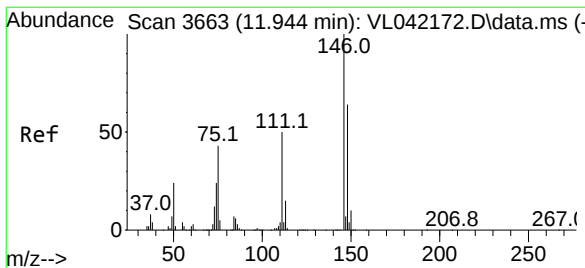
Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Tgt Ion:	146	Resp:	104925
Ion Ratio	Lower	Upper	
146	100		
111	45.3	23.0	69.0
148	64.0	31.9	95.7





#77

1,2-Dichlorobenzene

Concen: 2.132 ppbv

RT: 11.943 min Scan# 3663

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

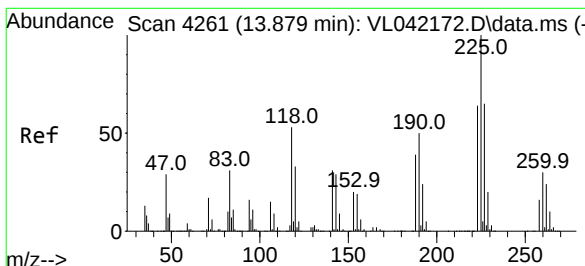
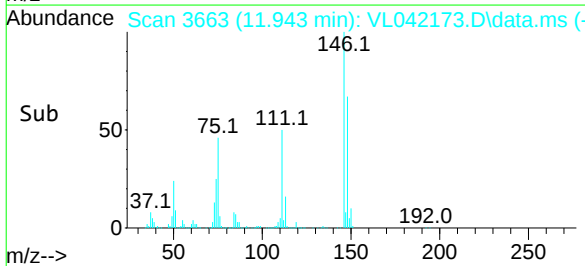
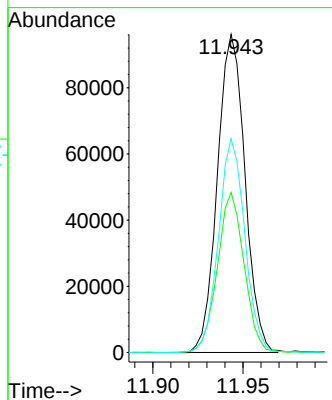
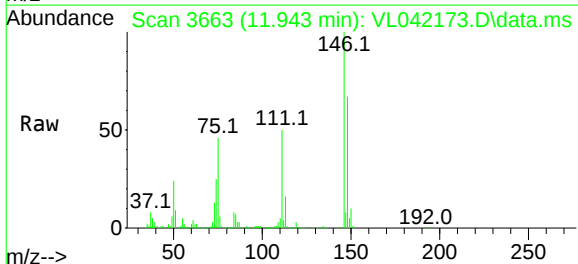
VSTDICC002

Tgt Ion:	146	Resp:	102310
Ion Ratio	Lower	Upper	
146	100		
111	48.8	24.8	74.3
148	64.6	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#78

Hexachloro-1,3-Butadiene

Concen: 2.242 ppbv

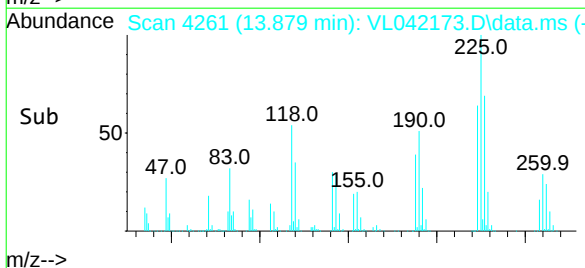
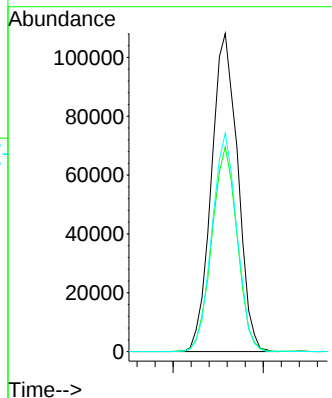
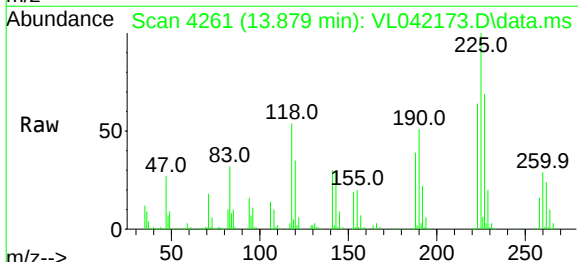
RT: 13.879 min Scan# 4261

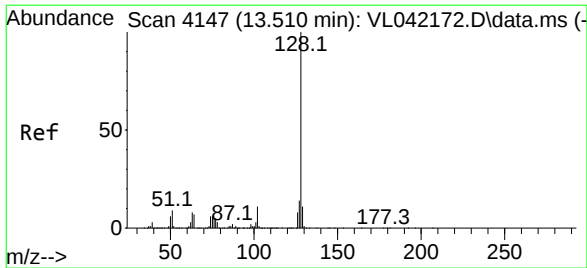
Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Tgt Ion:	225	Resp:	109539
Ion Ratio	Lower	Upper	
225	100		
223	62.2	50.6	76.0
227	64.9	51.2	76.8





#79

Naphthalene

Concen: 2.375 ppbv

RT: 13.510 min Scan# 4147

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

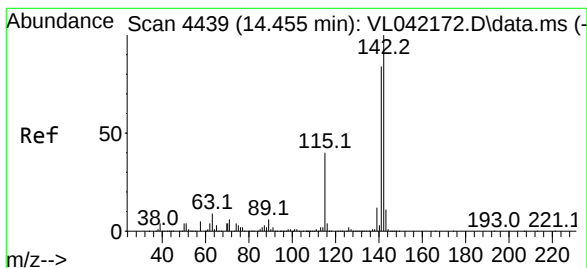
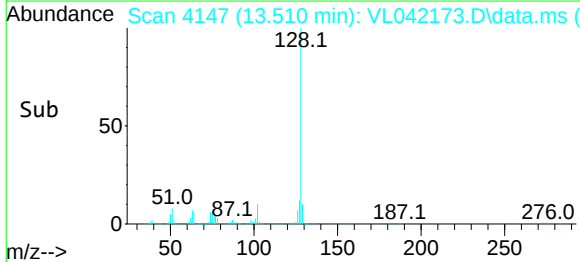
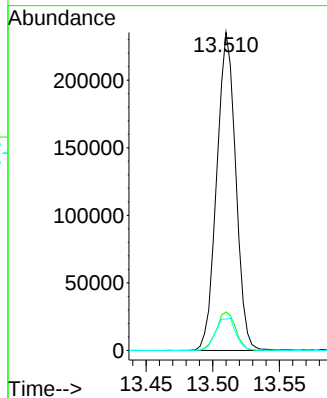
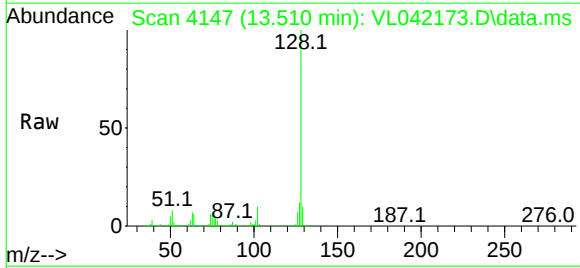
VSTDICC002

Tgt Ion:	128	Resp:	233451
Ion Ratio	Lower	Upper	
128	100		
127	12.1	10.8	16.2
129	9.9	9.0	13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#80

Naphthalene, 2-methyl-

Concen: 2.451 ppbv

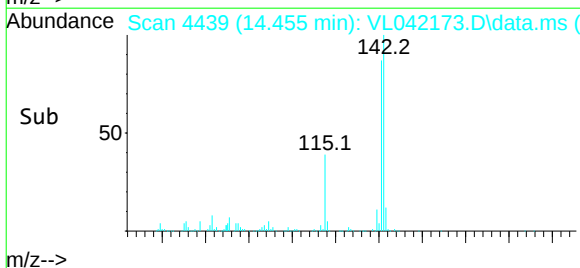
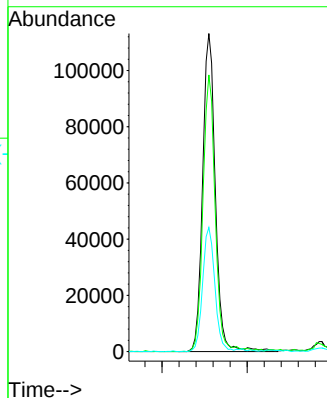
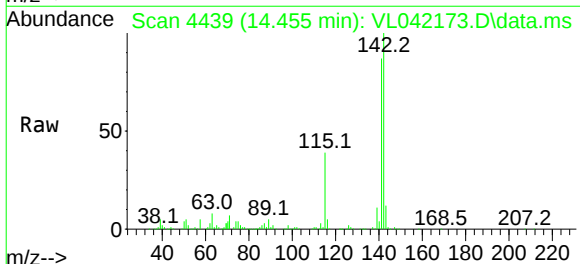
RT: 14.455 min Scan# 4439

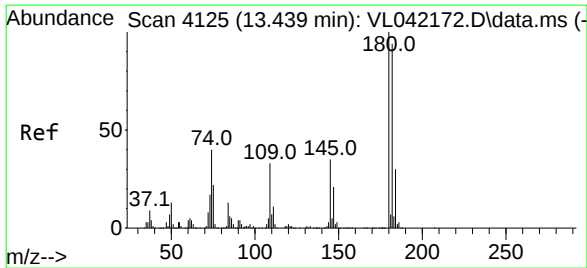
Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

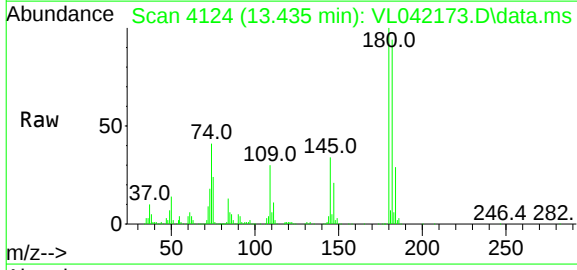
Tgt Ion:	142	Resp:	117313
Ion Ratio	Lower	Upper	
142	100		
141	83.5	66.3	99.5
115	38.5	31.6	47.4





#81
 1,2,4-Trichlorobenzene
 Concen: 2.288 ppbv
 RT: 13.435 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002



Tgt Ion:180 Resp: 103765
 Ion Ratio Lower Upper
 180 100
 182 97.0 75.1 112.7
 184 29.6 24.4 36.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

