

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032525\
 Data File : VL042165.D
 Acq On : 25 Mar 2025 09:29
 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 03/26/2025
 Supervised By : Mahesh Dadoda 03/26/2025

Quant Time: Mar 26 01:30:47 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032525AIR.M

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

QLast Update : Wed Mar 26 01:29:19 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	180973	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	444936	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	367440	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.387 95 295233 10.282 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	51371	2.572	ppbv	97
3) Chlorodifluoromethane	1.480	51	53635	2.044	ppbv	96
4) Chloromethane	1.535	50	18102	2.469	ppbv	91
5) Vinyl Chloride	1.583	62	17674	2.588	ppbv	96
6) Bromomethane	1.671	94	8401	2.529	ppbv	88
7) Chloroethane	1.706	64	6606	2.338	ppbv	95
8) Dichlorotetrafluoroethane	1.557	85	38506	2.372	ppbv	98
9) Propene	1.486	41	21193	1.990	ppbv	96
10) Heptane	4.998	43	50346	1.522	ppbv	96
11) Trichlorofluoromethane	1.881	101	52533	2.633	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.143	101	41439	2.568	ppbv	95
13) Ethanol	1.726	45	1619	2.324	ppbv	91
14) Bromoethene	1.787	108	14721	2.642	ppbv	96
15) Acetone	1.839	43	46532	2.762	ppbv	95
16) 1,3-Butadiene	1.612	39	18817	2.407	ppbv	99
17) tert-Butyl alcohol	2.046	59	42744	2.108	ppbv	100
18) 1,1-Dichloroethene	2.039	96	17129	2.397	ppbv	96
19) Isopropyl Alcohol	1.891	45	22780	2.381	ppbv #	1
20) Methylene Chloride	2.065	84	15925	2.519	ppbv	89
21) Allyl Chloride	2.101	41	28813	2.385	ppbv	97
22) trans-1,2-Dichloroethene	2.347	96	20877	2.473	ppbv	88
23) Vinyl Acetate	2.467	43	16374m	1.521	ppbv	
24) 1,1-Dichloroethane	2.418	63	39073	2.484	ppbv	99
25) Ethyl Acetate	2.849	43	118316	1.852	ppbv	99
26) Hexane	2.836	57	40682	1.589	ppbv	85
27) Carbon Disulfide	2.156	76	46871	2.509	ppbv #	81
28) Methyl tert-Butyl Ether	2.451	73	24492	1.852	ppbv	98
29) Chloroform	2.858	83	70298	2.017	ppbv	98
30) Cyclohexane	3.868	84	29119	1.424	ppbv	94
31) cis-1,2-Dichloroethene	2.729	61	39816	1.669	ppbv	88
32) 1,1,1-Trichloroethane	3.379	97	60148	1.809	ppbv	99
34) 2-Butanone	2.567	43	68307	1.950	ppbv	100
35) Carbon Tetrachloride	3.774	117	62457	2.012	ppbv	92
36) Benzene	3.671	78	83730	1.794	ppbv	99
37) 1,2-Dichloroethane	3.227	62	49431	1.904	ppbv	99
38) Trichloroethene	4.567	130	32341	1.699	ppbv	93
39) 1,2-Dichloropropane	4.328	63	33352	1.871	ppbv	92
40) 1,4-Dioxane	4.609	88	13702m	1.701	ppbv	
41) Tetrahydrofuran	3.072	42	31294	1.533	ppbv	96
42) Bromodichloromethane	4.506	83	67139	1.915	ppbv	99
43) Methyl Methacrylate	4.904	69	24868	1.393	ppbv	91
44) 2,2,4-Trimethylpentane	4.658	57	147082	1.766	ppbv	98
45) t-1,3-Dichloropropene	6.441	75	23516m	1.357	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032525\
 Data File : VL042165.D
 Acq On : 25 Mar 2025 09:29
 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 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025

Quant Time: Mar 26 01:30:47 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032525AIR.M

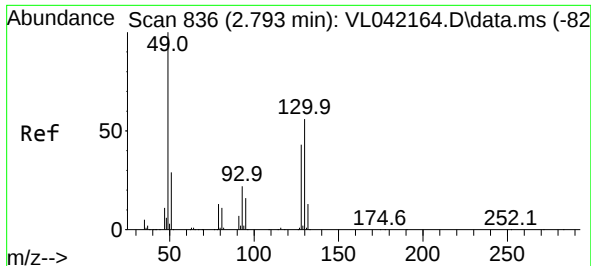
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed Mar 26 01:29:19 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	34069m	1.507	ppbv	
47) 1,1,2-Trichloroethane	6.603	97	34020	1.863	ppbv	92
48) Dibromochloromethane	7.406	129	53441	1.891	ppbv	100
49) Bromoform	9.493	173	47290	1.915	ppbv	99
50) 4-Methyl-2-Pentanone	5.788	43	85185	1.892	ppbv	98
51) 2-Hexanone	7.458	43	63146	2.064	ppbv #	96
52) Tetrachloroethene	8.238	164	27899	1.752	ppbv	95
53) Toluene	6.953	91	72344	1.404	ppbv	97
54) 1,2-Dibromoethane	7.665	107	42255	1.740	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.937	131	44277	2.072	ppbv	94
57) Chlorobenzene	8.937	112	80252	2.057	ppbv	97
58) Ethyl Benzene	9.370	91	94433	1.401	ppbv	99
59) m/p-Xylene	9.565	91	185887m	3.397	ppbv	
60) o-Xylene	9.976	91	91067	1.649	ppbv	98
61) Styrene	9.885	104	29574	1.177	ppbv	95
62) Isopropylbenzene	10.552	105	140615	1.702	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.976	83	79461	2.162	ppbv	99
64) n-propylbenzene	10.999	120	39741	1.816	ppbv	97
65) tert-Butylbenzene	11.542	119	140620	1.847	ppbv	99
66) Benzyl Chloride	11.626	91	9352	1.659	ppbv #	98
67) sec-Butylbenzene	11.779	105	214048	1.962	ppbv	99
69) p-Isopropyltoluene	11.934	119	170547	1.953	ppbv	99
70) n-Butylbenzene	12.290	91	178947	1.993	ppbv	97
71) 2-Chlorotoluene	10.914	91	101954	1.606	ppbv	98
72) 4-Ethyltoluene	11.138	105	116728	1.717	ppbv	97
73) 1,3,5-Trimethylbenzene	11.215	105	104138	1.771	ppbv	95
74) 1,2,4-Trimethylbenzene	11.546	105	142921	2.127	ppbv	97
75) 1,3-Dichlorobenzene	11.617	146	83243	2.133	ppbv	100
76) 1,4-Dichlorobenzene	11.681	146	76908	1.984	ppbv	98
77) 1,2-Dichlorobenzene	11.957	146	87423	2.285	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	79992	2.647	ppbv	99
79) Naphthalene	13.523	128	154335	3.187	ppbv	97
80) Naphthalene,2-methyl-	14.468	142	55441	3.831	ppbv	97
81) 1,2,4-Trichlorobenzene	13.449	180	67503	2.530	ppbv	99

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



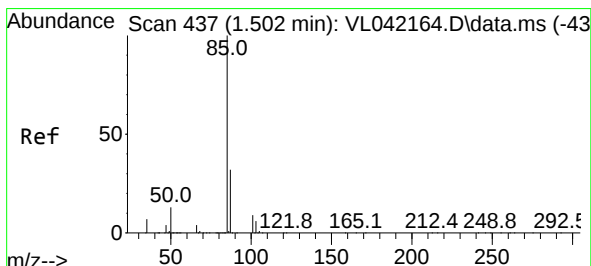
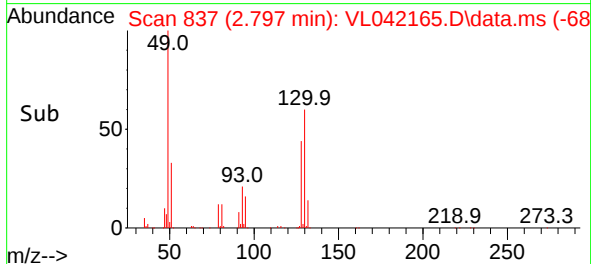
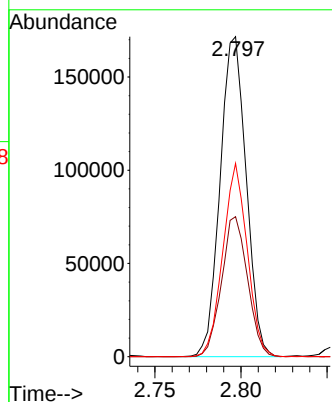
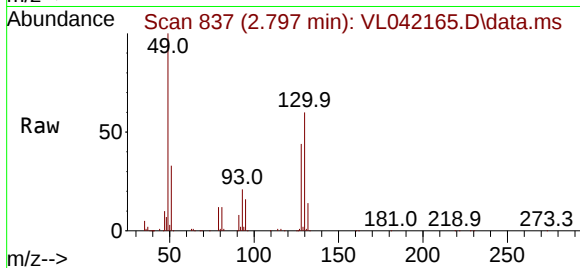
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 49 Resp: 18097
Ion Ratio Lower Upper
49 100
128 43.6 21.5 64.5
130 56.4 27.3 81.9

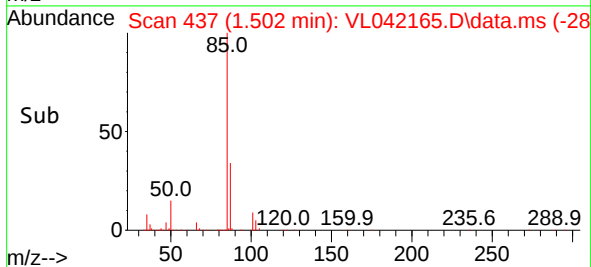
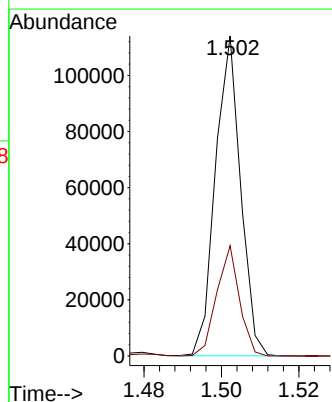
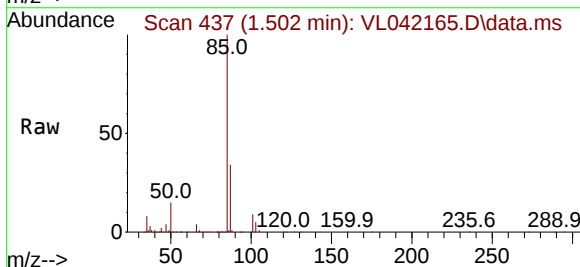
Manual Integrations
APPROVED

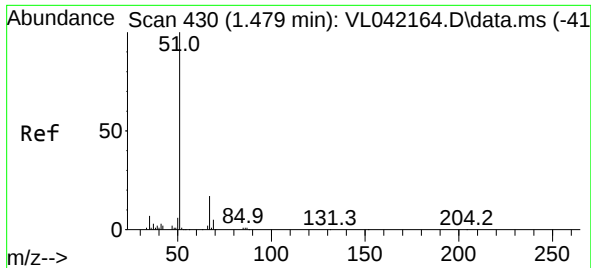
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#2
Dichlorodifluoromethane
Concen: 2.572 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion: 85 Resp: 51371
Ion Ratio Lower Upper
85 100
87 34.5 26.0 39.0





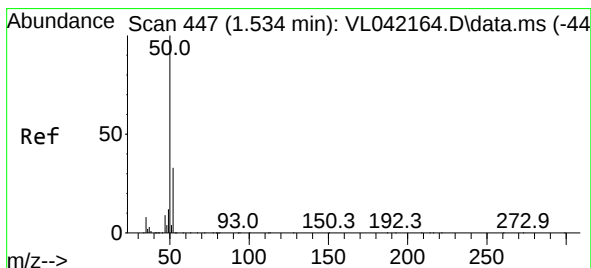
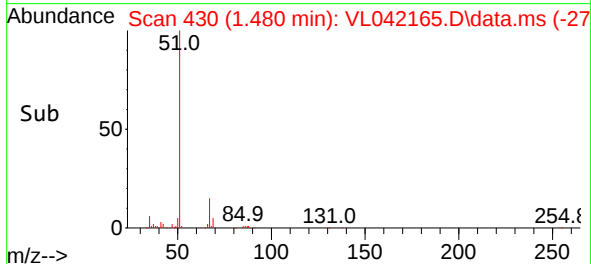
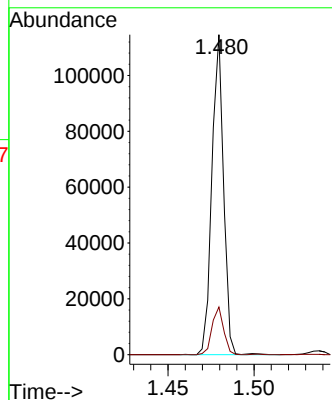
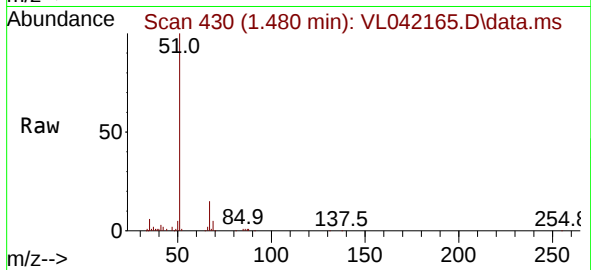
#3
Chlorodifluoromethane
Concen: 2.044 ppbv
RT: 1.480 min Scan# 430
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 53638
Ion Ratio Lower Upper
51 100
67 14.9 13.3 19.9

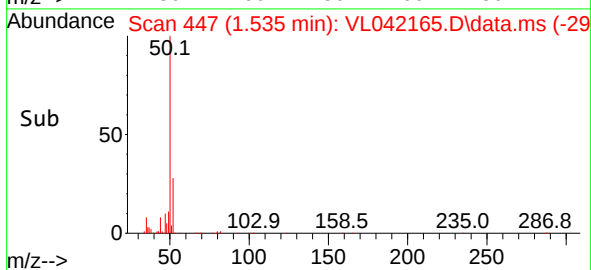
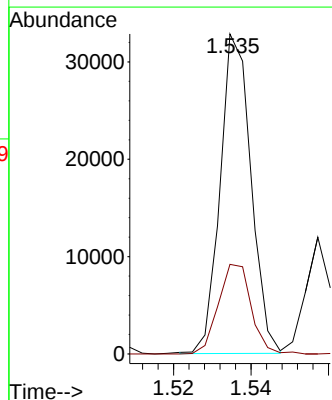
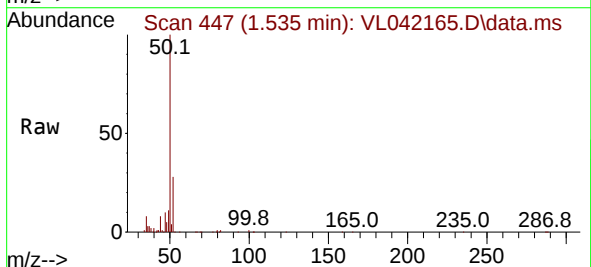
Manual Integrations
APPROVED

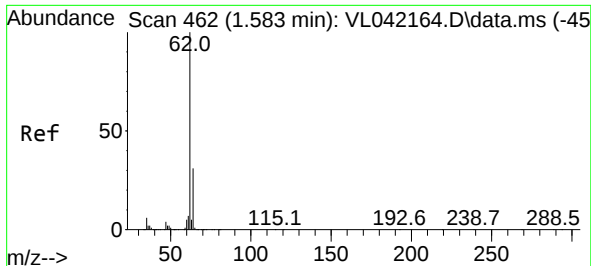
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#4
Chloromethane
Concen: 2.469 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

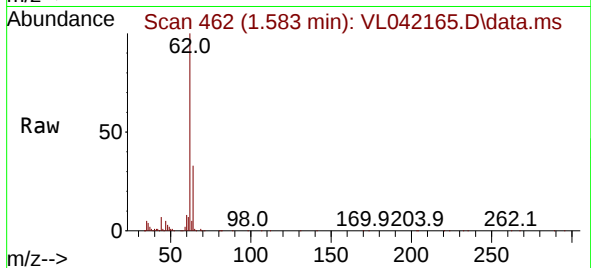
Tgt Ion: 50 Resp: 18102
Ion Ratio Lower Upper
50 100
52 28.2 26.4 39.6





#5
 Vinyl Chloride
 Concen: 2.588 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

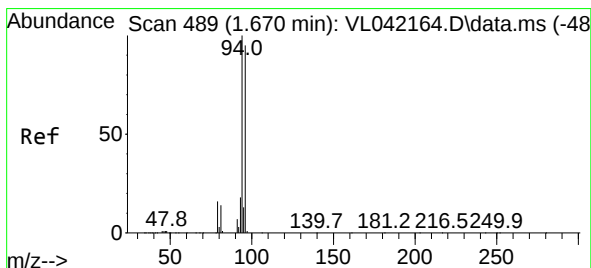
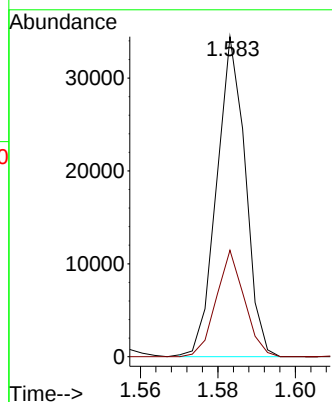
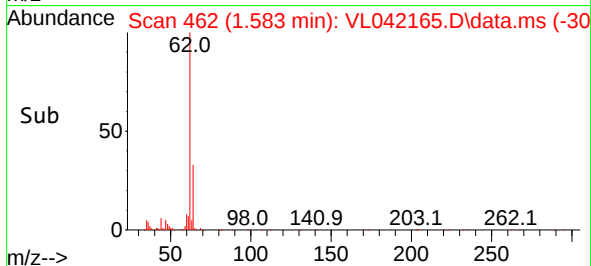
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



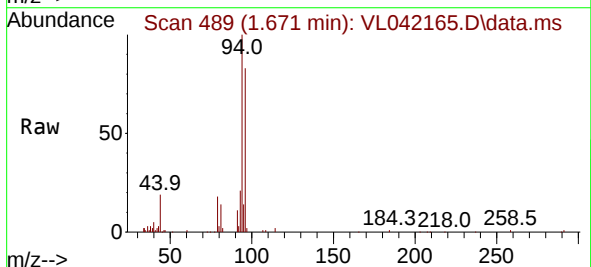
Tgt Ion: 62 Resp: 17674
 Ion Ratio Lower Upper
 62 100
 64 33.2 24.8 37.2

Manual Integrations
 APPROVED

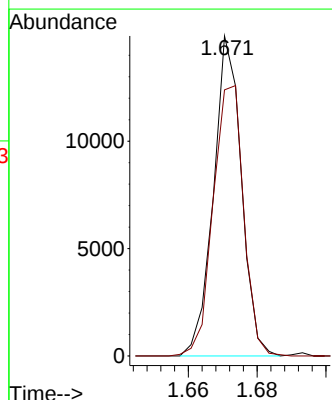
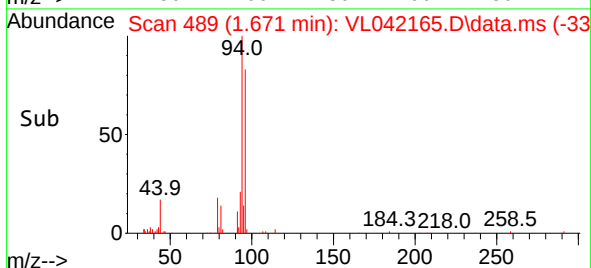
Reviewed By :Semsettin Yesilyurt 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025

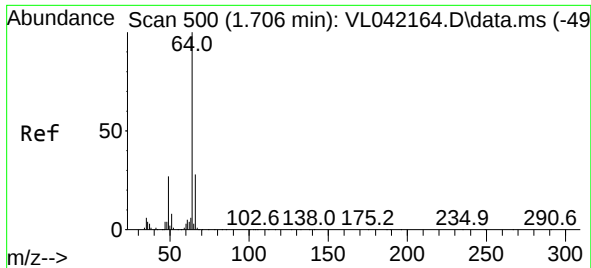


#6
 Bromomethane
 Concen: 2.529 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29



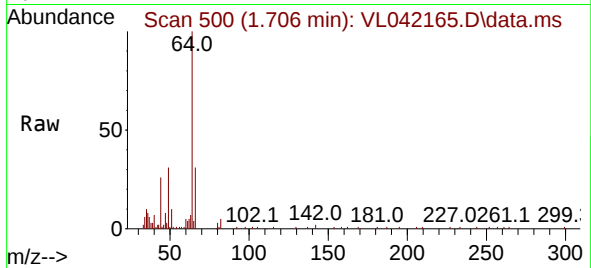
Tgt Ion: 94 Resp: 8401
 Ion Ratio Lower Upper
 94 100
 96 82.8 75.8 113.6





#7
Chloroethane
Concen: 2.338 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

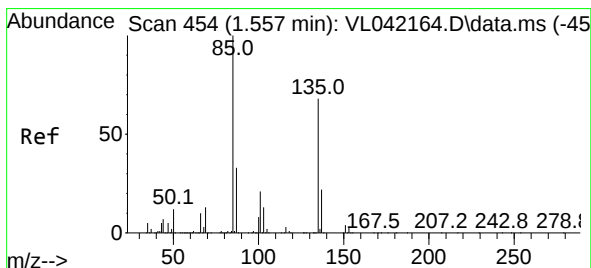
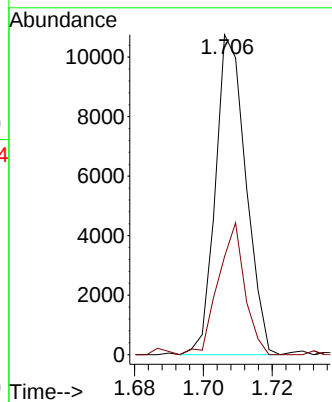
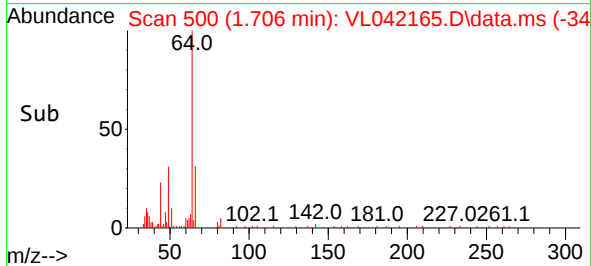
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



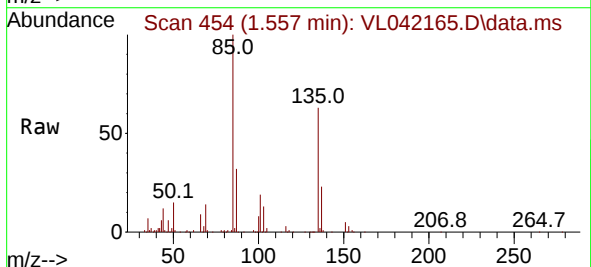
Tgt Ion: 64 Resp: 6600
Ion Ratio Lower Upper
64 100
66 30.6 22.2 33.4

Manual Integrations
APPROVED

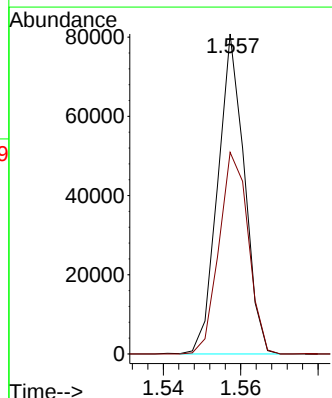
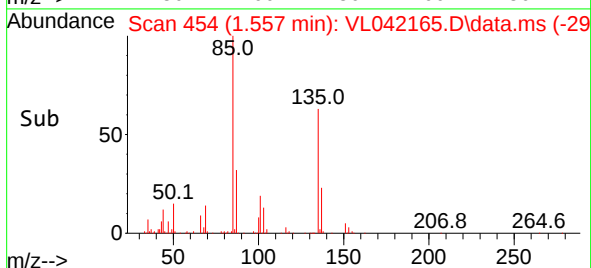
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

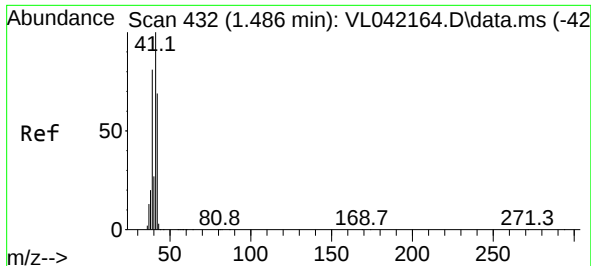


#8
Dichlorotetrafluoroethane
Concen: 2.372 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29



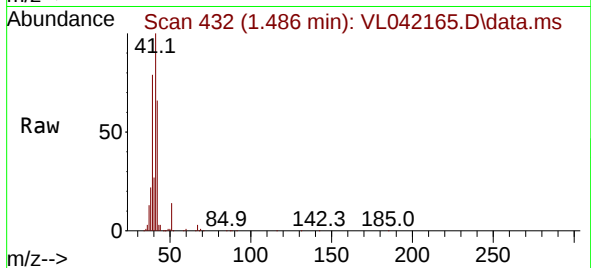
Tgt Ion: 85 Resp: 38506
Ion Ratio Lower Upper
85 100
135 69.5 54.3 81.5





#9
 Propene
 Concen: 1.990 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

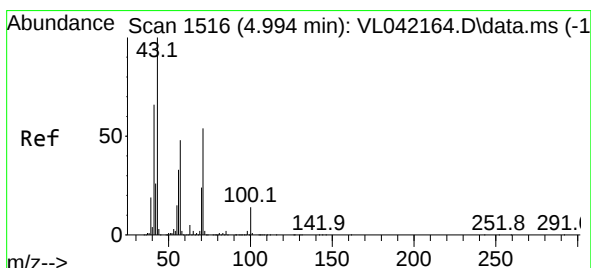
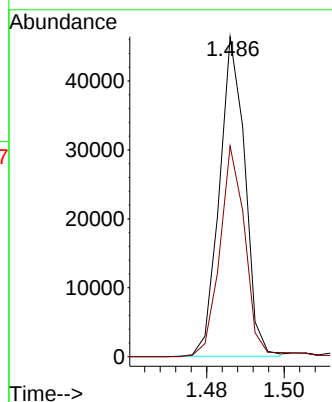
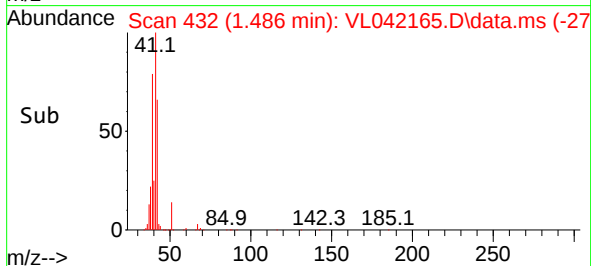
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002



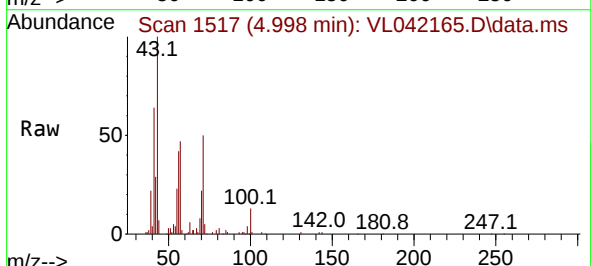
Tgt Ion: 41 Resp: 2119
 Ion Ratio Lower Upper
 41 100
 42 67.0 55.9 83.9

Manual Integrations
 APPROVED

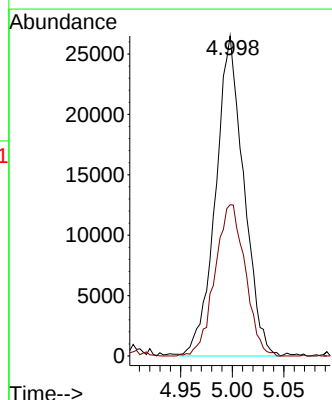
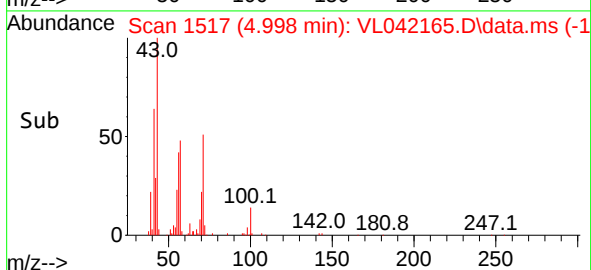
Reviewed By :Semsettin Yesilyurt 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025

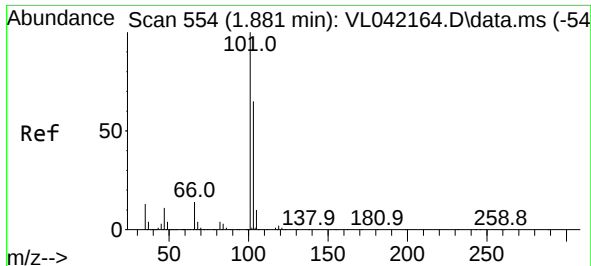


#10
 Heptane
 Concen: 1.522 ppbv
 RT: 4.998 min Scan# 1517
 Delta R.T. 0.004 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29



Tgt Ion: 43 Resp: 50346
 Ion Ratio Lower Upper
 43 100
 57 50.7 38.3 57.5





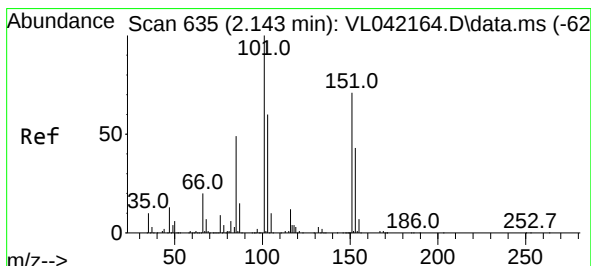
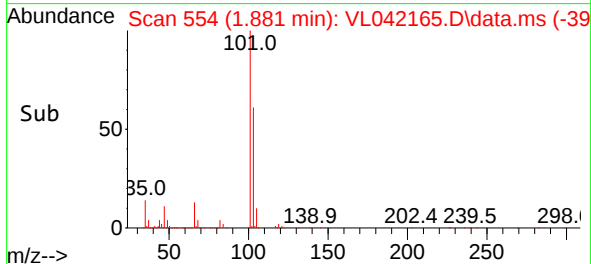
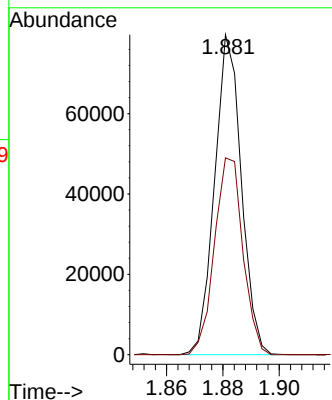
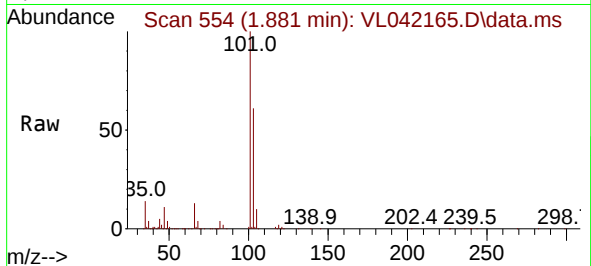
#11
 Trichlorofluoromethane
 Concen: 2.633 ppbv
 RT: 1.881 min Scan# 554
 Delta R.T. 0.000 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:101 Resp: 5253
 Ion Ratio Lower Upper
 101 100
 103 61.5 51.9 77.9

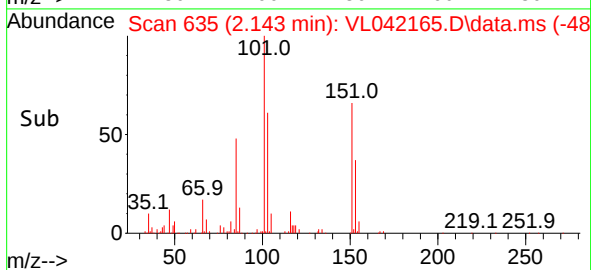
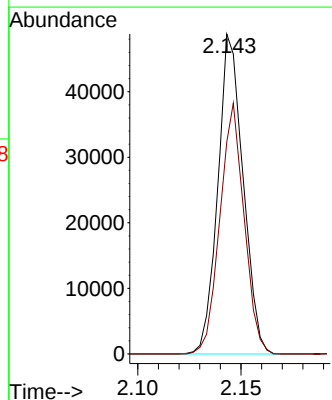
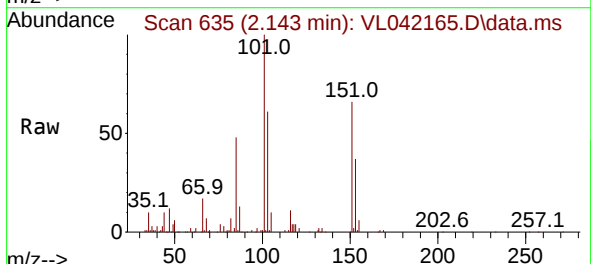
Manual Integrations
 APPROVED

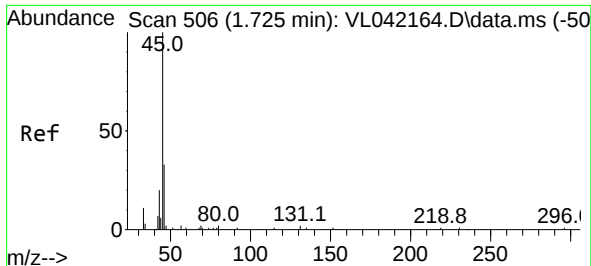
Reviewed By :Semsettin Yesilyurt 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.568 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

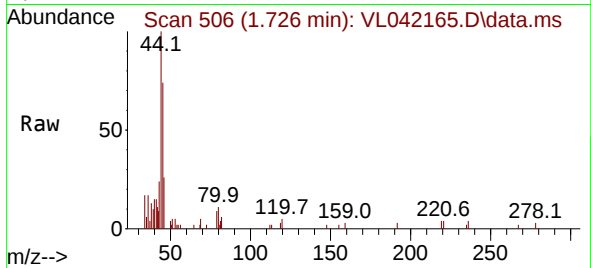
Tgt Ion:101 Resp: 41439
 Ion Ratio Lower Upper
 101 100
 151 75.0 57.0 85.4





#13
Ethanol
Concen: 2.324 ppbv
RT: 1.726 min Scan# 506
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

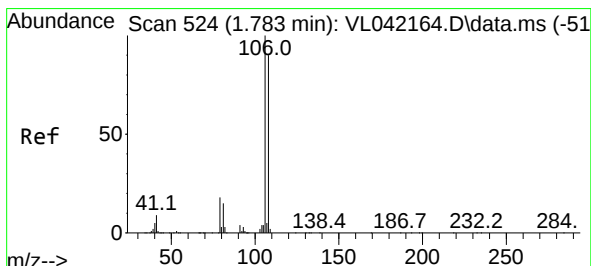
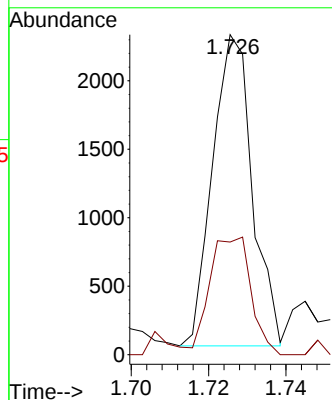
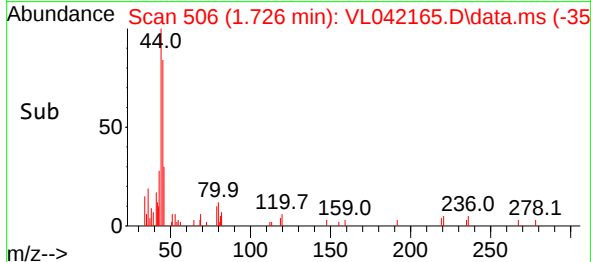
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



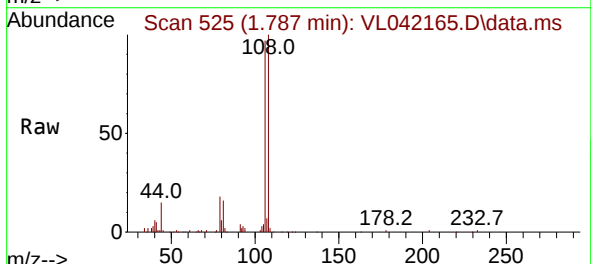
Tgt Ion: 45 Resp: 1619
Ion Ratio Lower Upper
45 100
46 46.4 16.3 65.1

Manual Integrations
APPROVED

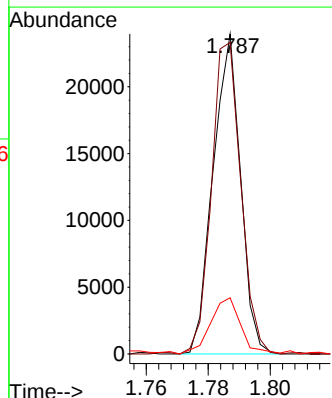
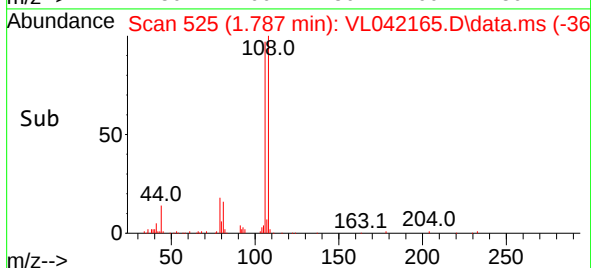
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

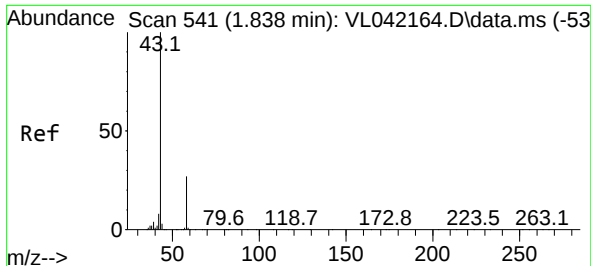


#14
Bromoethene
Concen: 2.642 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29



Tgt Ion:108 Resp: 14721
Ion Ratio Lower Upper
108 100
106 104.4 85.8 128.8
79 23.1 15.5 23.3





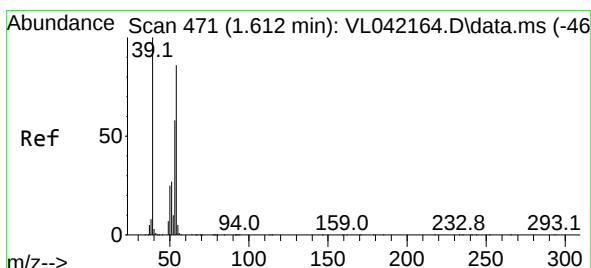
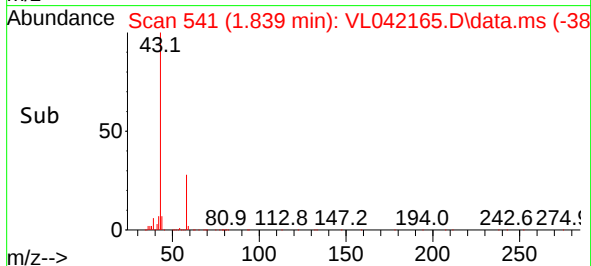
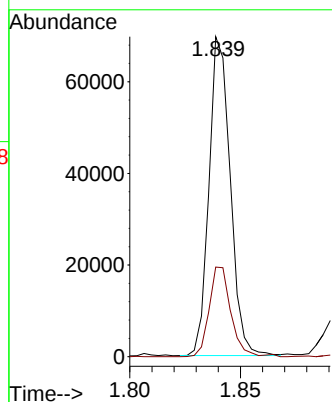
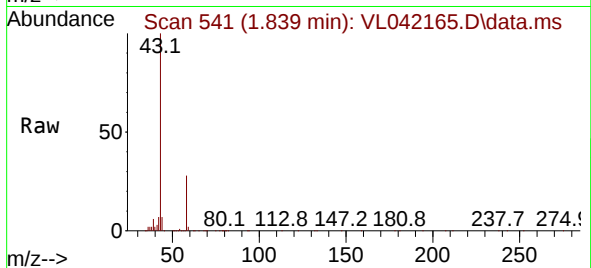
#15
Acetone
Concen: 2.762 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 46532
Ion Ratio Lower Upper
43 100
58 28.9 20.9 31.3

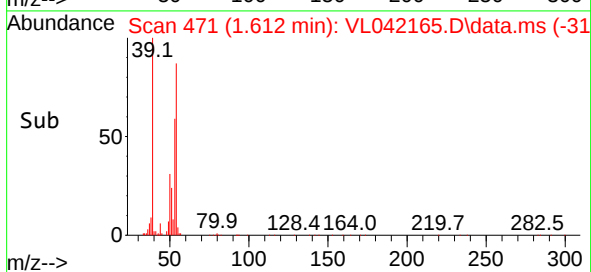
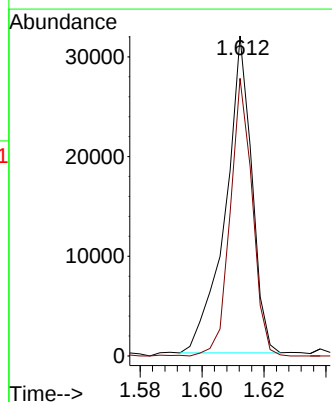
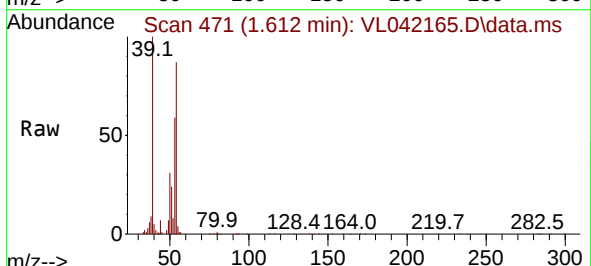
Manual Integrations
APPROVED

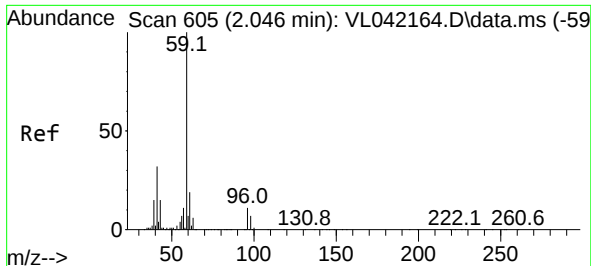
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#16
1,3-Butadiene
Concen: 2.407 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion: 39 Resp: 18817
Ion Ratio Lower Upper
39 100
54 73.9 60.0 90.0





#17

tert-Butyl alcohol

Concen: 2.108 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.000 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 59 Resp: 42744

Ion Ratio Lower Upper

59 100

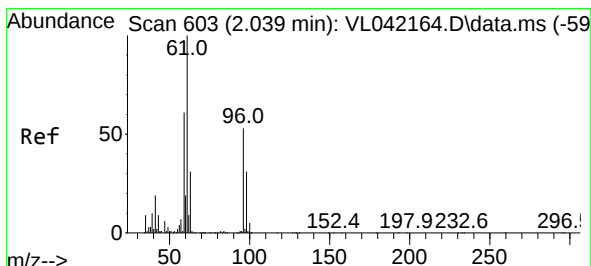
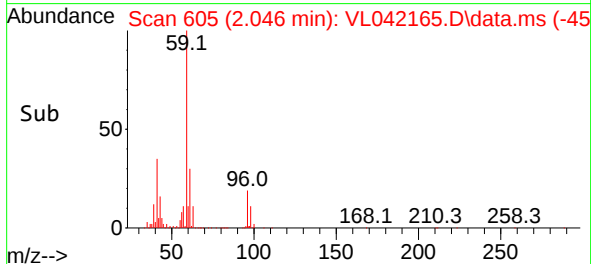
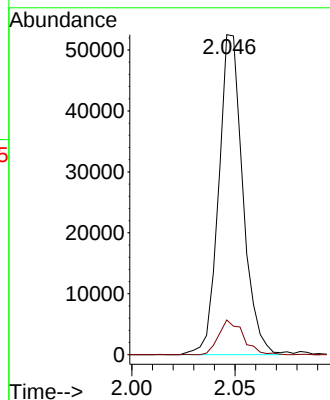
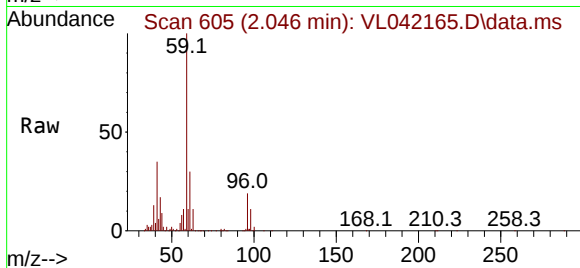
57 11.2 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#18

1,1-Dichloroethene

Concen: 2.397 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.000 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

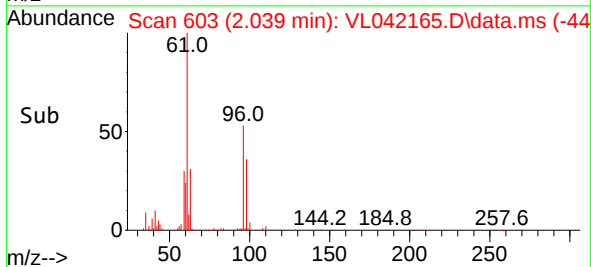
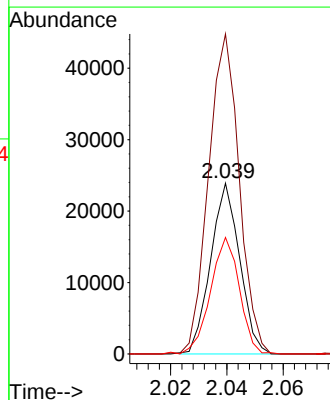
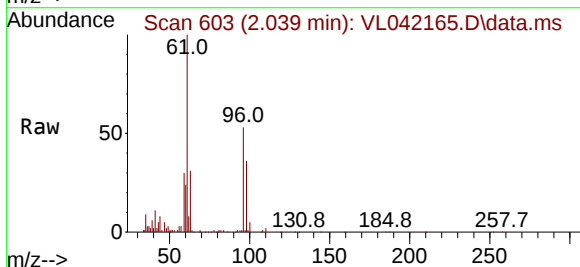
Tgt Ion: 96 Resp: 17129

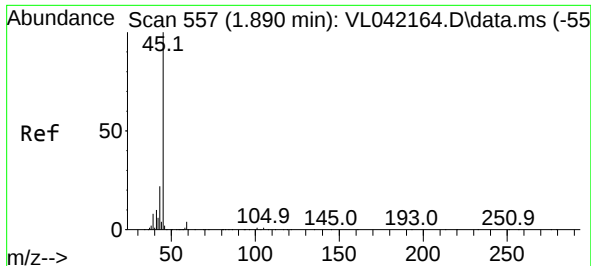
Ion Ratio Lower Upper

96 100

61 187.4 150.0 225.0

98 68.3 45.7 68.5





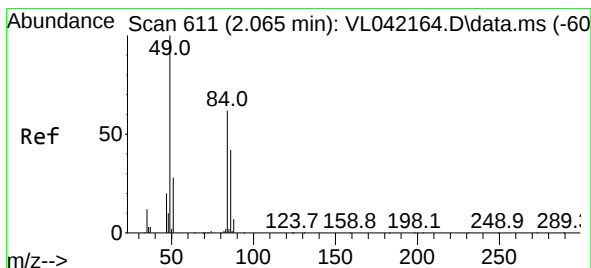
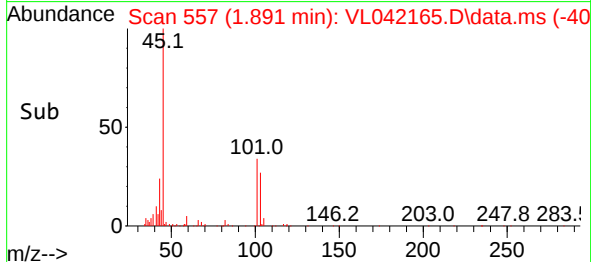
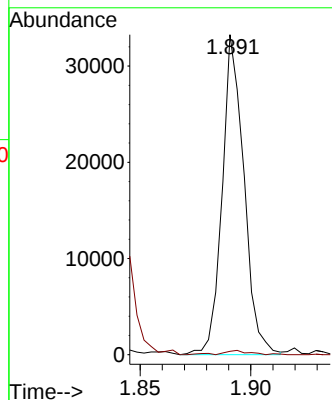
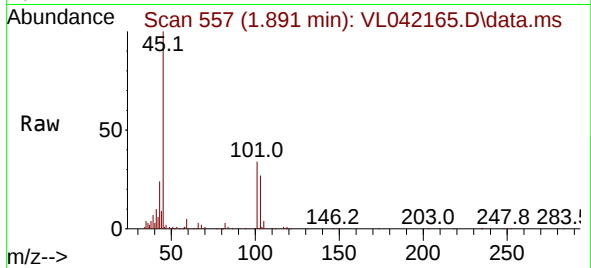
#19
Isopropyl Alcohol
Concen: 2.381 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 22780
Ion Ratio Lower Upper
45 100
58 58.7 1.8 2.8

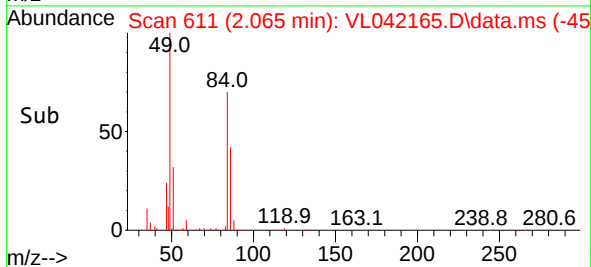
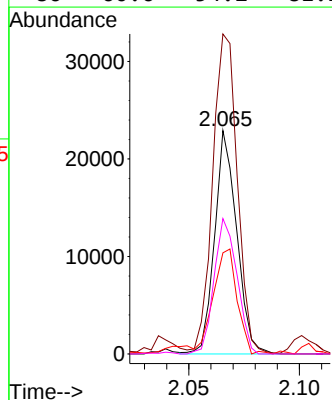
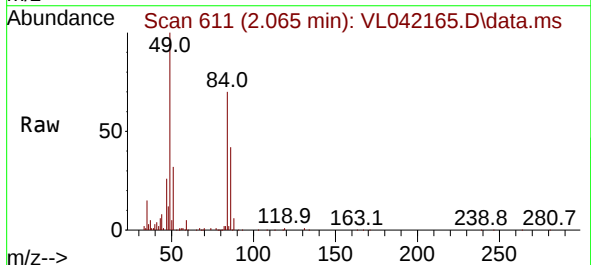
Manual Integrations
APPROVED

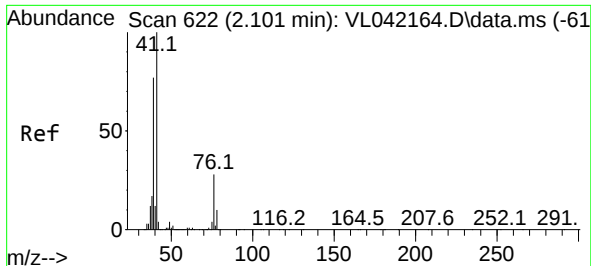
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#20
Methylene Chloride
Concen: 2.519 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion: 84 Resp: 15925
Ion Ratio Lower Upper
84 100
49 142.8 129.4 194.0
51 44.0 38.2 57.2
86 60.6 54.2 81.2





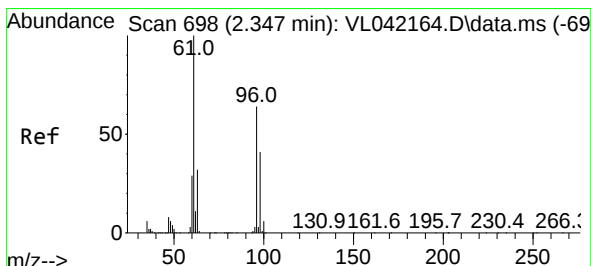
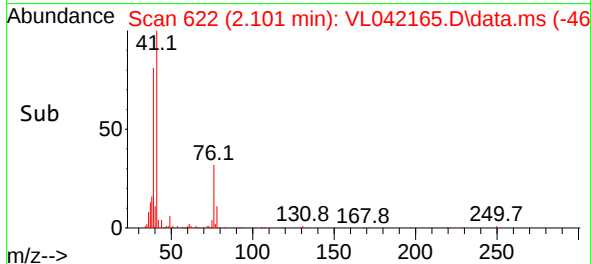
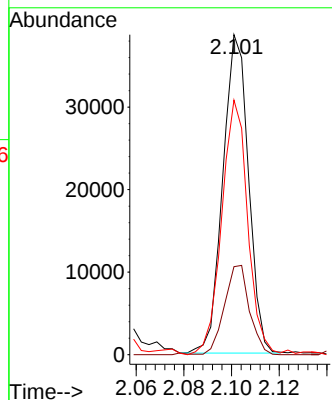
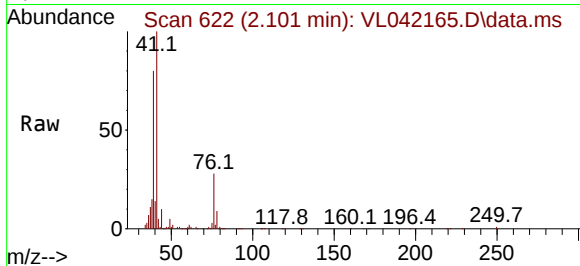
#21
 Allyl Chloride
 Concen: 2.385 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 41 Resp: 2881
 Ion Ratio Lower Upper
 41 100
 76 27.6 22.2 33.4
 39 79.7 61.4 92.2

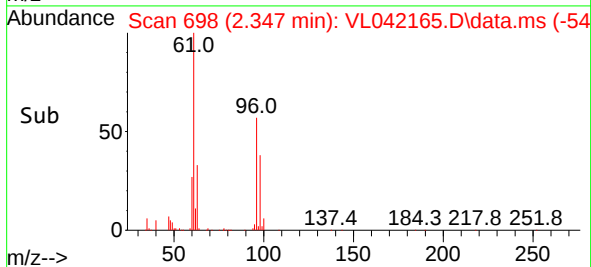
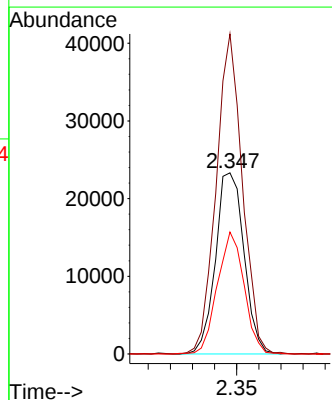
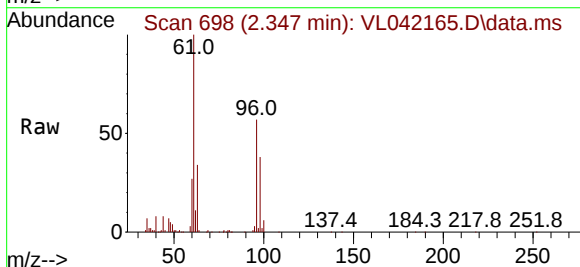
Manual Integrations
 APPROVED

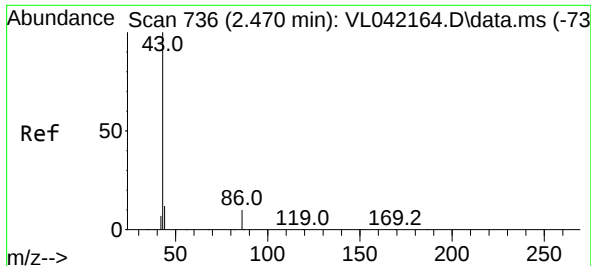
Reviewed By :Semsettin Yesilyurt 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025



#22
 trans-1,2-Dichloroethene
 Concen: 2.473 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.000 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

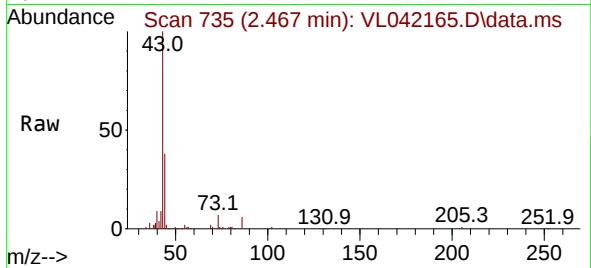
Tgt Ion: 96 Resp: 20877
 Ion Ratio Lower Upper
 96 100
 61 176.7 125.8 188.8
 98 67.0 51.4 77.2





#23
 Vinyl Acetate
 Concen: 1.521 ppbv m
 RT: 2.467 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

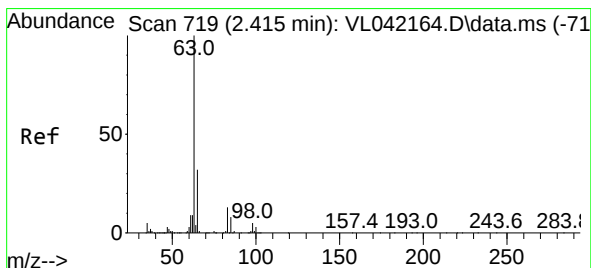
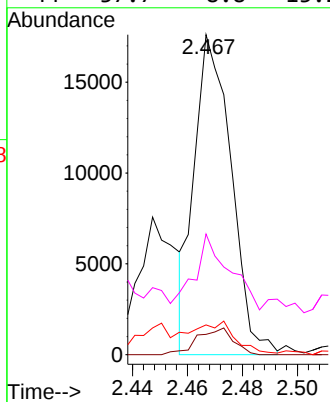
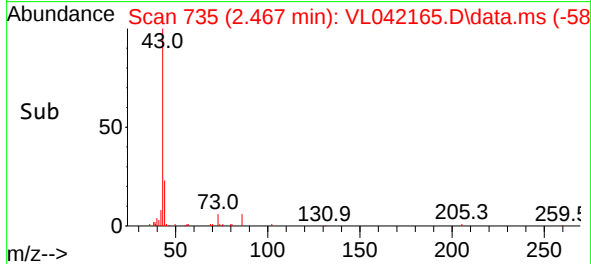
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



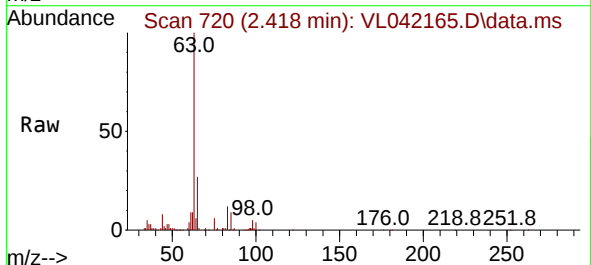
Tgt Ion: 43 Resp: 16374
 Ion Ratio Lower Upper
 43 100
 86 6.4 6.7 10.1
 42 9.3 8.5 12.7
 44 37.7 8.8 13.2#

Manual Integrations
 APPROVED

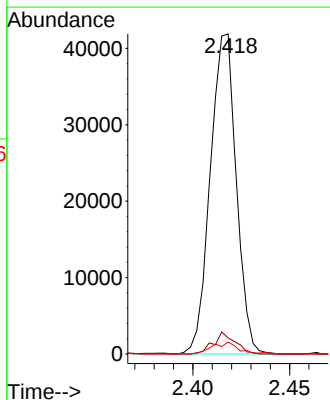
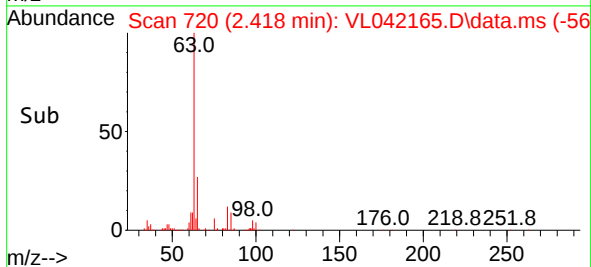
Reviewed By :Semsettin Yesilyurt 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025

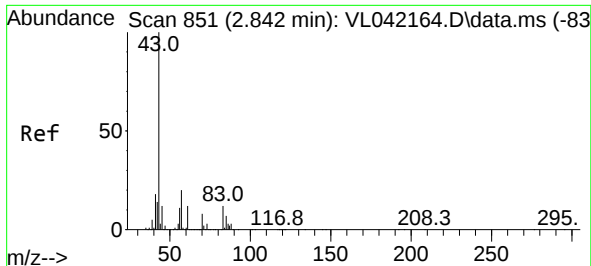


#24
 1,1-Dichloroethane
 Concen: 2.484 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.004 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29



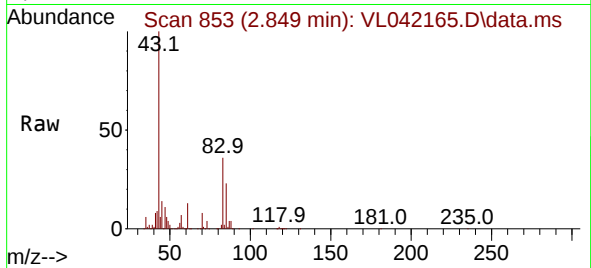
Tgt Ion: 63 Resp: 39073
 Ion Ratio Lower Upper
 63 100
 98 5.0 2.6 7.8
 100 3.8 1.4 4.0





#25
Ethyl Acetate
Concen: 1.852 ppbv
RT: 2.849 min Scan# 851
Delta R.T. 0.007 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

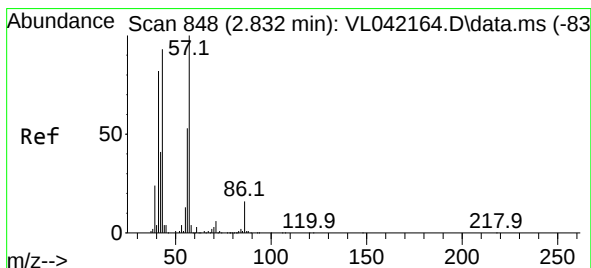
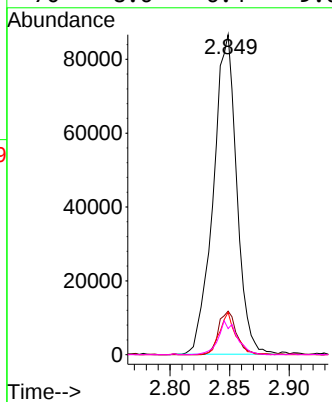
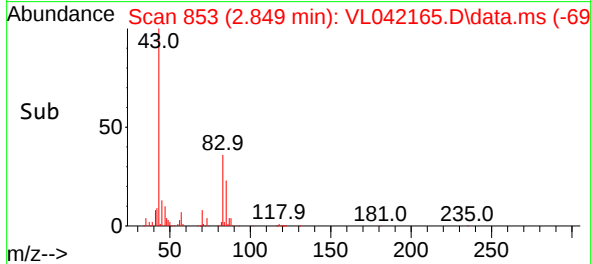
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 43 Resp: 118310
Ion Ratio Lower Upper
43 100
45 10.5 8.4 12.6
61 9.2 7.3 10.9
70 8.6 6.4 9.6

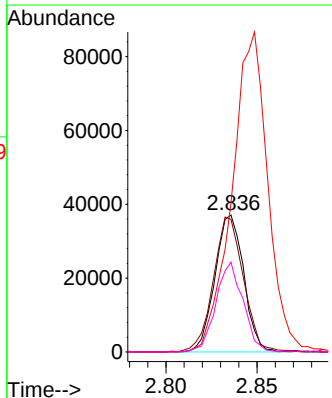
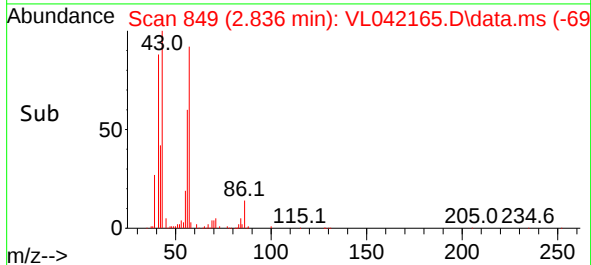
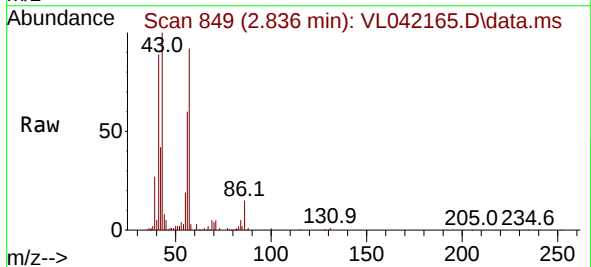
Manual Integrations
APPROVED

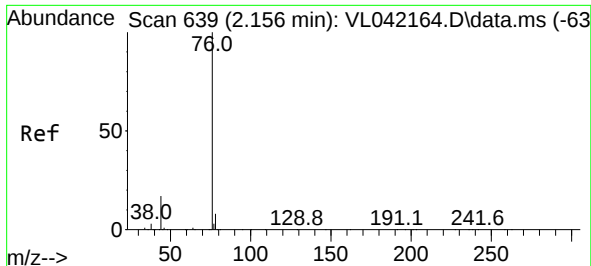
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#26
Hexane
Concen: 1.589 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

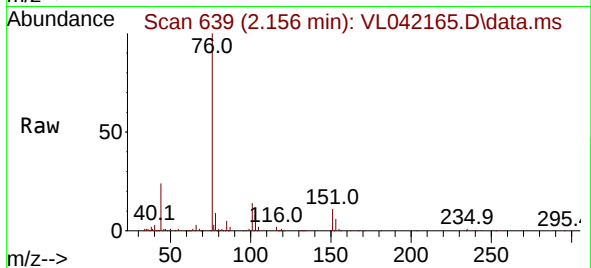
Tgt Ion: 57 Resp: 40682
Ion Ratio Lower Upper
57 100
41 104.0 73.9 110.9
43 294.1 210.0 315.0
56 62.4 44.8 67.2





#27
Carbon Disulfide
Concen: 2.509 ppbv
RT: 2.156 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

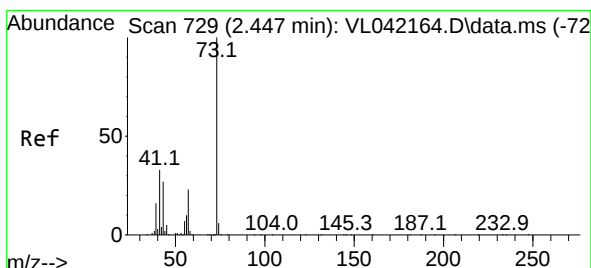
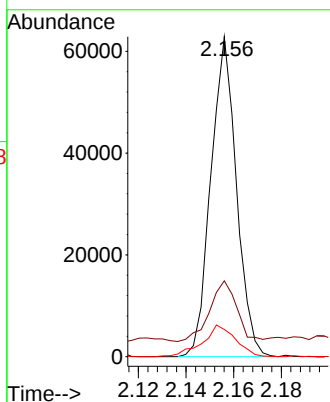
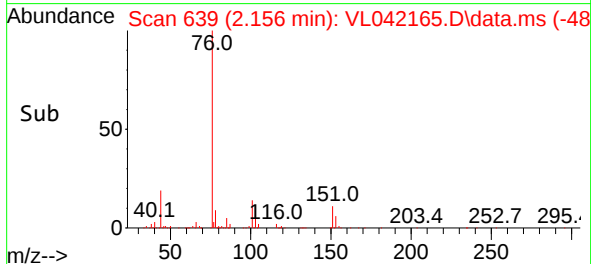
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



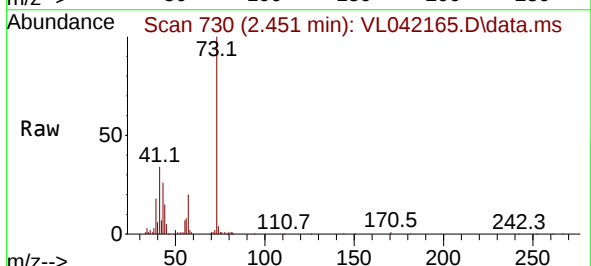
Tgt Ion: 76 Resp: 4687
Ion Ratio Lower Upper
76 100
44 33.8 17.0 25.4
78 12.8 9.0 13.6

Manual Integrations
APPROVED

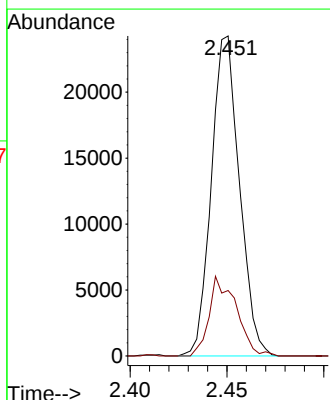
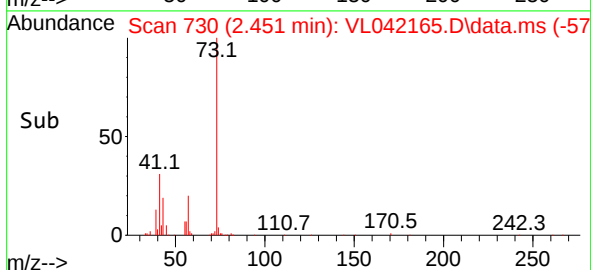
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

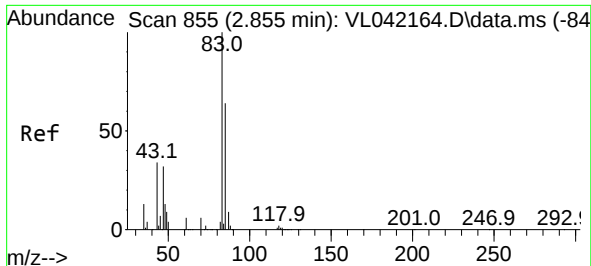


#28
Methyl tert-Butyl Ether
Concen: 1.852 ppbv
RT: 2.451 min Scan# 730
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29



Tgt Ion: 73 Resp: 24492
Ion Ratio Lower Upper
73 100
57 24.1 18.6 28.0





#29

Chloroform

Concen: 2.017 ppbv

RT: 2.858 min Scan# 855

Delta R.T. 0.004 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 83 Resp: 70298

Ion Ratio Lower Upper

83 100

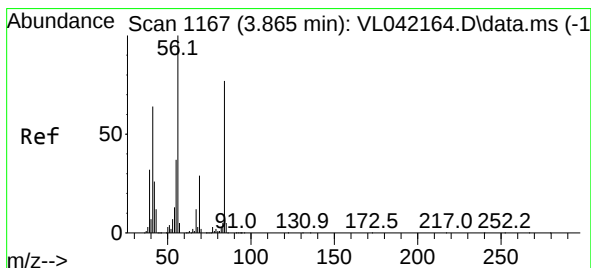
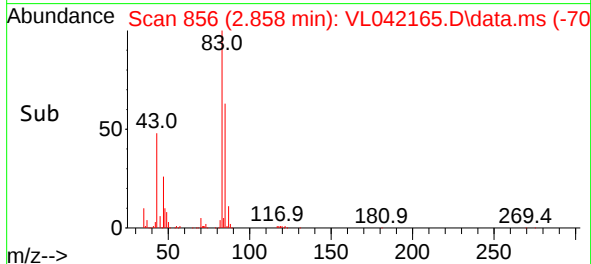
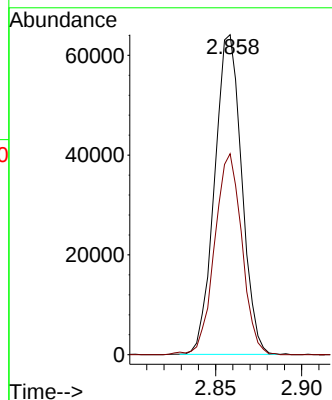
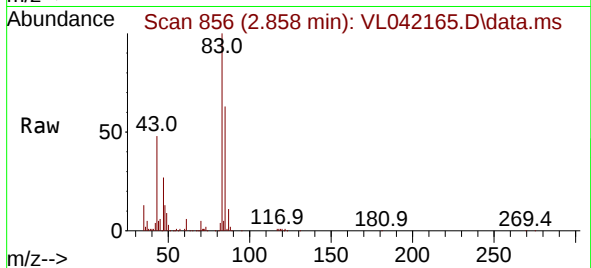
85 62.8 51.4 77.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#30

Cyclohexane

Concen: 1.424 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.004 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

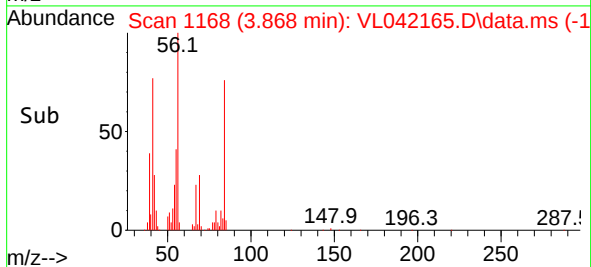
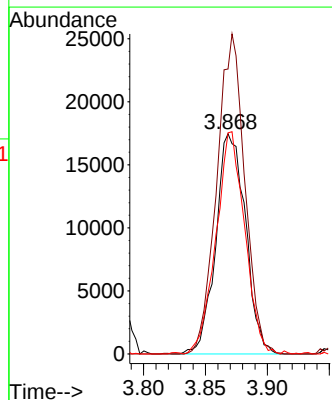
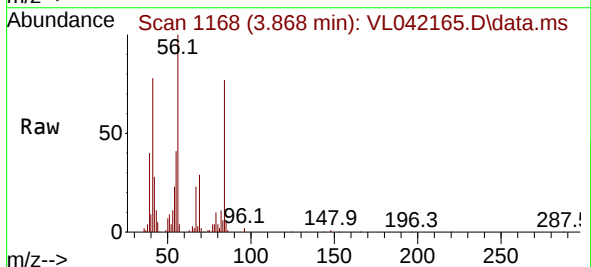
Tgt Ion: 84 Resp: 29119

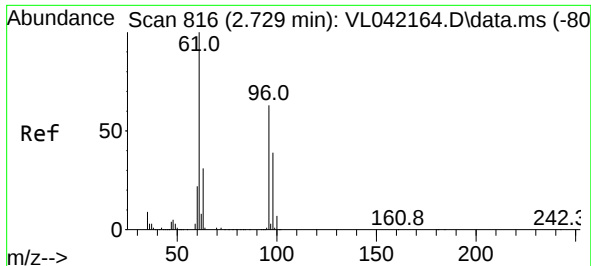
Ion Ratio Lower Upper

84 100

56 137.2 107.0 160.6

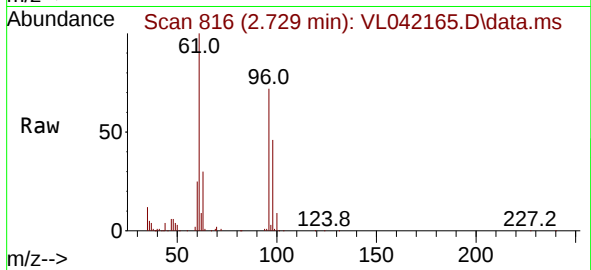
41 98.4 69.9 104.9





#31
 cis-1,2-Dichloroethene
 Concen: 1.669 ppbv
 RT: 2.729 min Scan# 816
 Delta R.T. 0.000 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

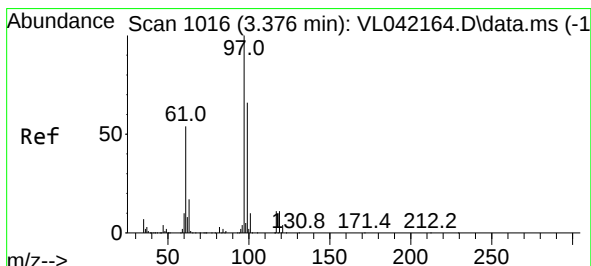
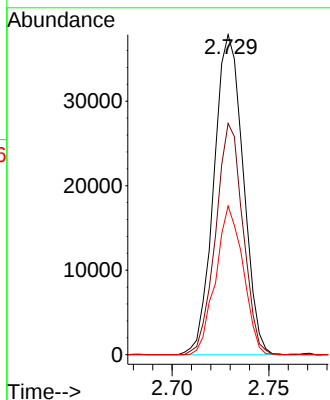
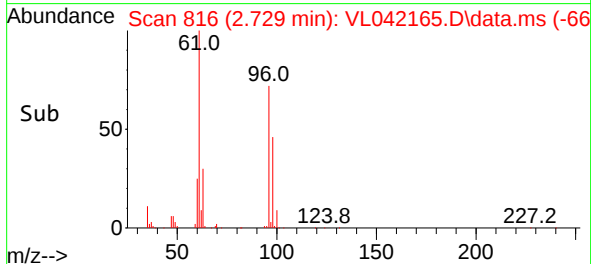
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



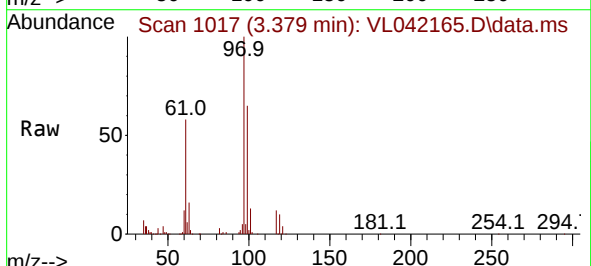
Tgt Ion: 61 Resp: 39810
 Ion Ratio Lower Upper
 61 100
 96 72.2 50.7 76.1
 98 46.4 31.4 47.0

Manual Integrations
 APPROVED

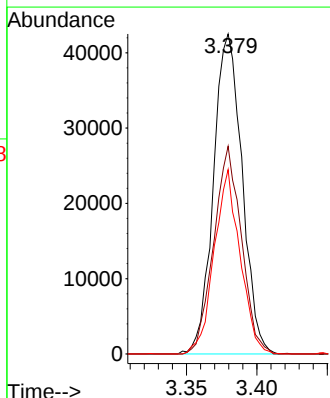
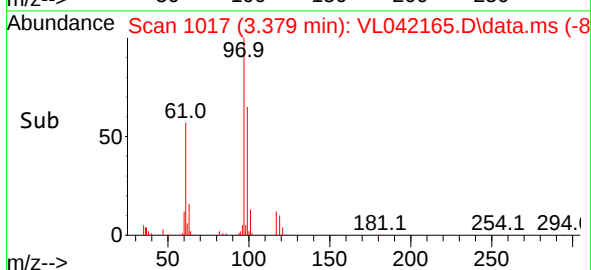
Reviewed By :Semsettin Yesilyurt 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025

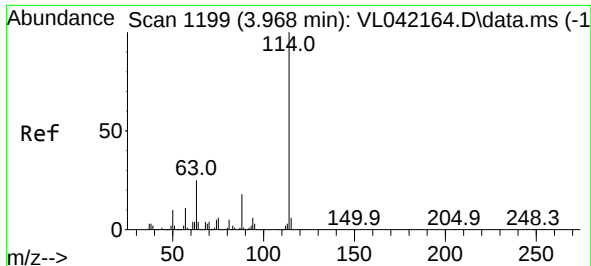


#32
 1,1,1-Trichloroethane
 Concen: 1.809 ppbv
 RT: 3.379 min Scan# 1017
 Delta R.T. 0.004 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29



Tgt Ion: 97 Resp: 60148
 Ion Ratio Lower Upper
 97 100
 99 62.7 50.6 75.8
 61 52.3 42.1 63.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.972 min Scan# 1199

Delta R.T. 0.004 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

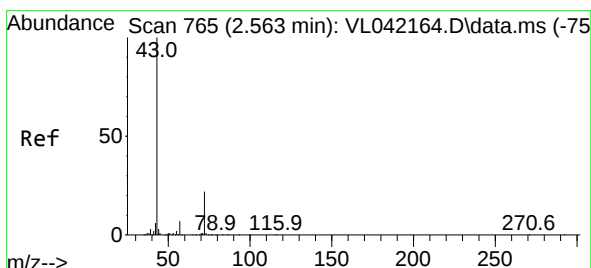
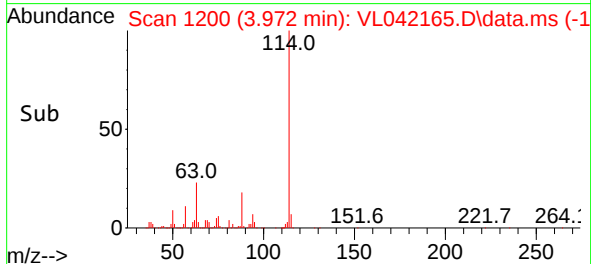
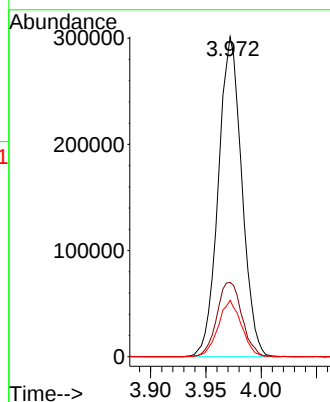
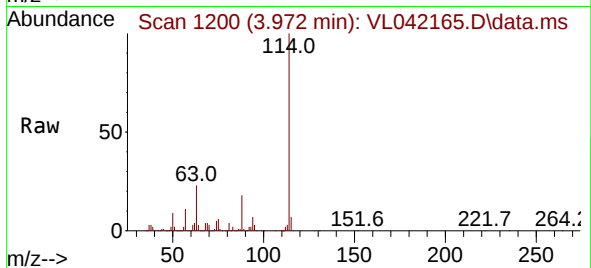
VSTDICC002

Tgt Ion:114 Resp: 444930
 Ion Ratio Lower Upper
 114 100
 63 24.9 20.1 30.1
 88 17.4 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025



#34

2-Butanone

Concen: 1.950 ppbv

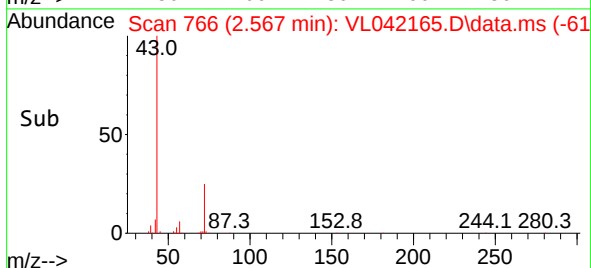
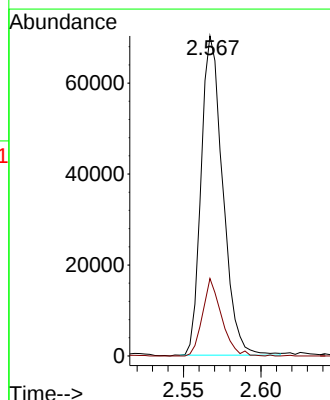
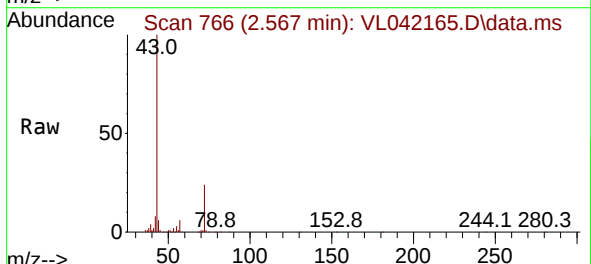
RT: 2.567 min Scan# 766

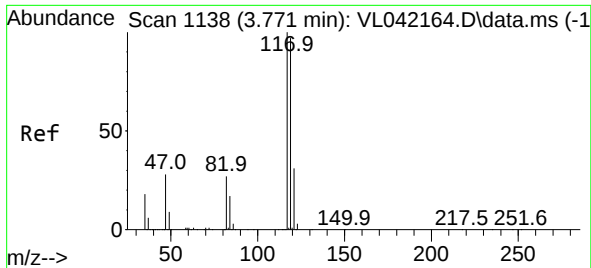
Delta R.T. 0.004 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

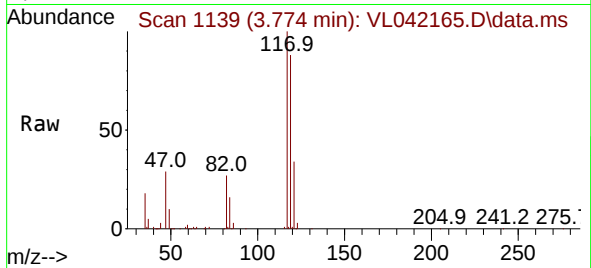
Tgt Ion: 43 Resp: 68307
 Ion Ratio Lower Upper
 43 100
 72 21.3 17.2 25.8





#35
Carbon Tetrachloride
Concen: 2.012 ppbv
RT: 3.774 min Scan# 1138
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

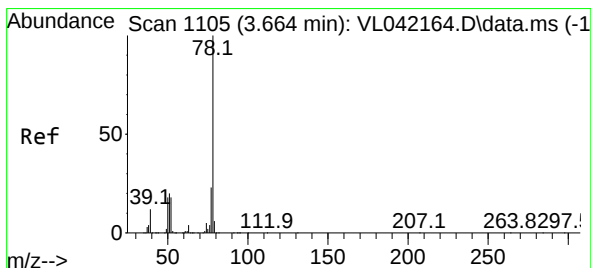
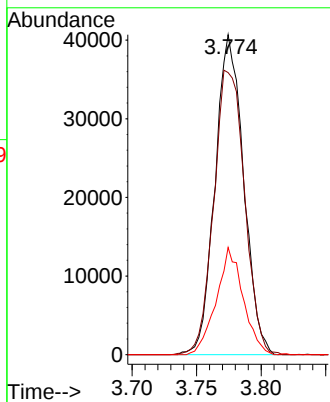
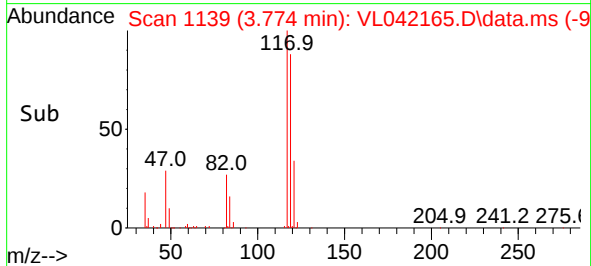
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



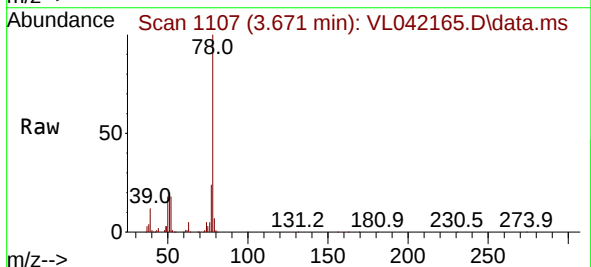
Tgt Ion:117 Resp: 6245
Ion Ratio Lower Upper
117 100
119 87.8 77.5 116.3
121 33.5 24.5 36.7

Manual Integrations
APPROVED

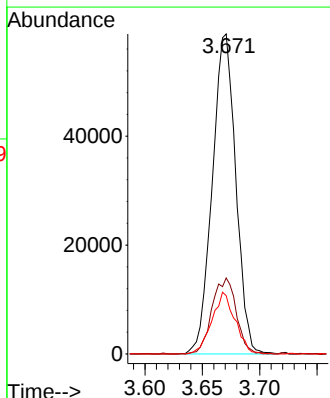
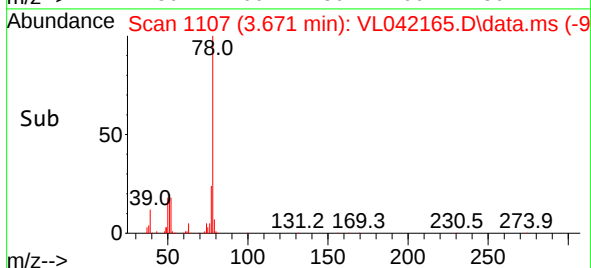
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

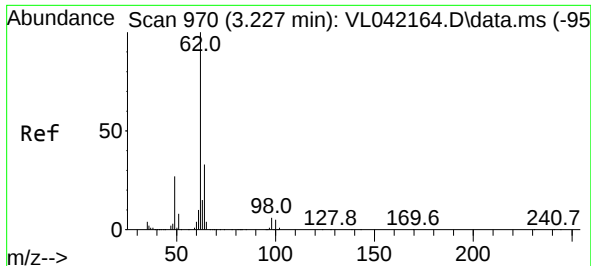


#36
Benzene
Concen: 1.794 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.007 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29



Tgt Ion: 78 Resp: 83730
Ion Ratio Lower Upper
78 100
77 23.7 18.4 27.6
50 18.2 14.2 21.4





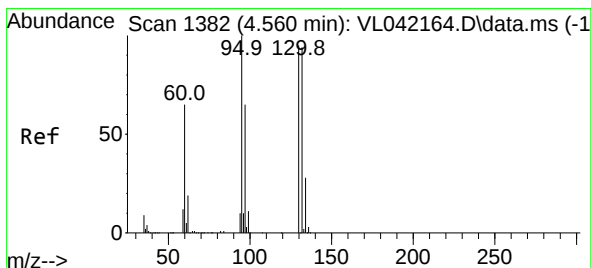
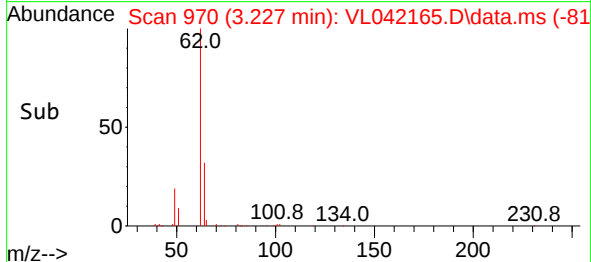
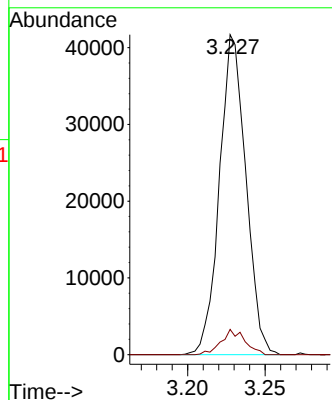
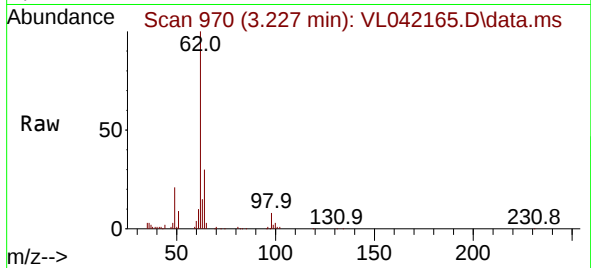
#37
1,2-Dichloroethane
Concen: 1.904 ppbv
RT: 3.227 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 62 Resp: 4943
Ion Ratio Lower Upper
62 100
98 7.1 5.4 8.0

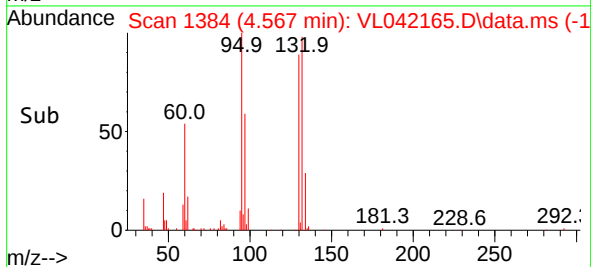
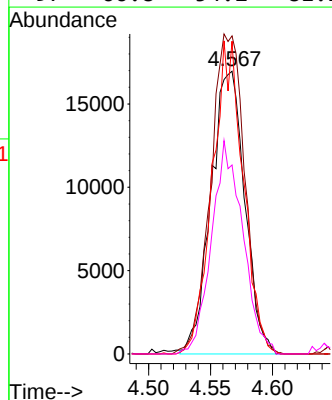
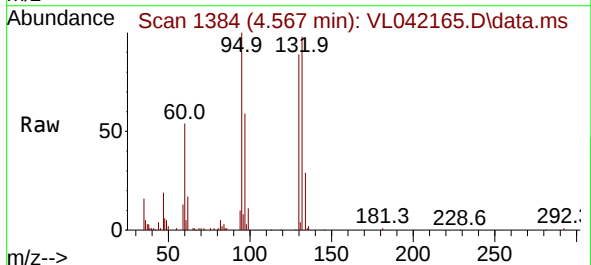
Manual Integrations
APPROVED

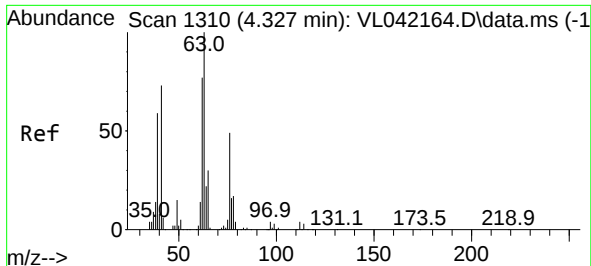
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#38
Trichloroethene
Concen: 1.699 ppbv
RT: 4.567 min Scan# 1384
Delta R.T. 0.007 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion:130 Resp: 32341
Ion Ratio Lower Upper
130 100
95 112.0 84.1 126.1
132 110.6 79.0 118.6
97 66.8 54.2 81.2





#39

1,2-Dichloropropane

Concen: 1.871 ppbv

RT: 4.328 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

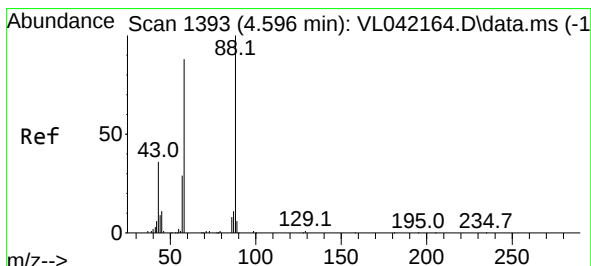
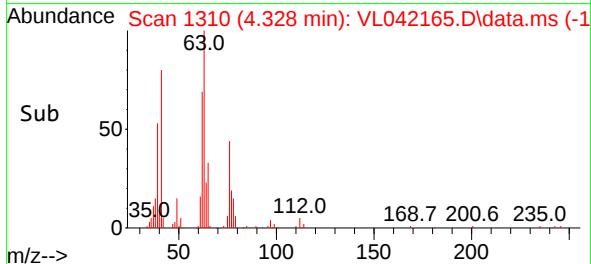
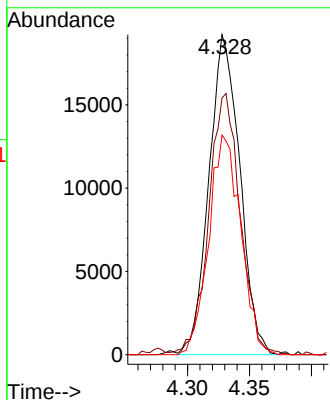
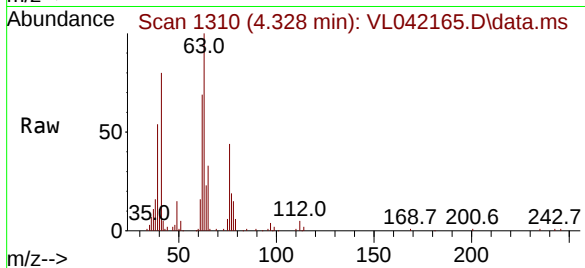
VSTDICC002

Tgt Ion: 63	Resp: 3335
Ion Ratio	Lower Upper
63 100	
41 79.2	58.8 88.2
62 68.6	61.3 91.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#40

1,4-Dioxane

Concen: 1.701 ppbv m

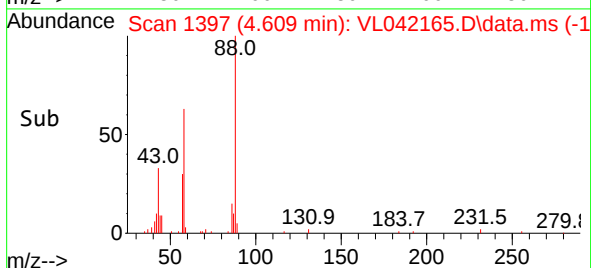
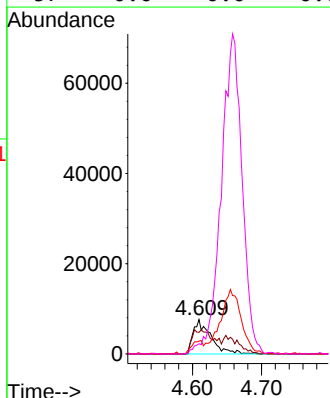
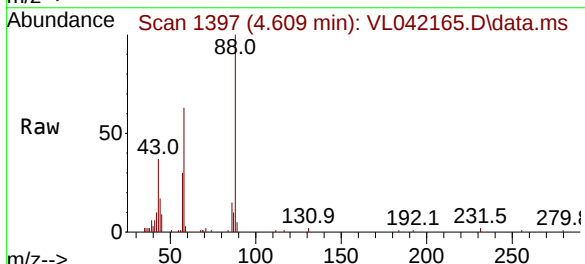
RT: 4.609 min Scan# 1397

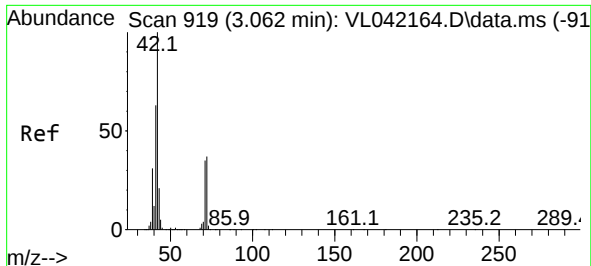
Delta R.T. 0.013 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

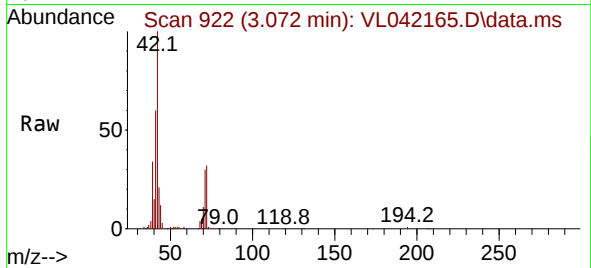
Tgt Ion: 88	Resp: 13702
Ion Ratio	Lower Upper
88 100	
58 0.0	68.0 102.0#
43 0.0	25.3 37.9#
57 0.0	0.0 0.0





#41
Tetrahydrofuran
Concen: 1.533 ppbv
RT: 3.072 min Scan# 919
Delta R.T. 0.010 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

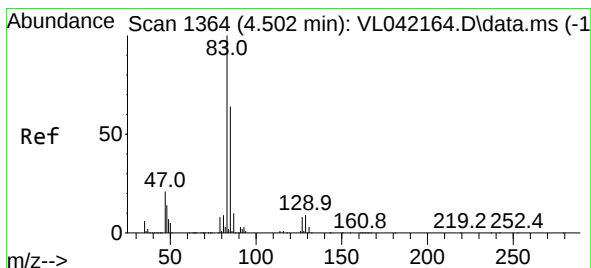
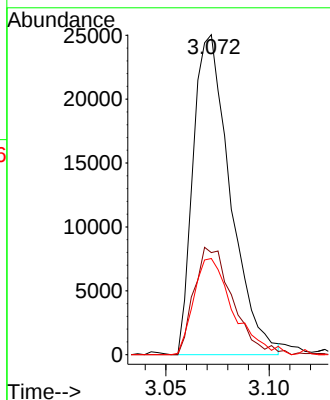
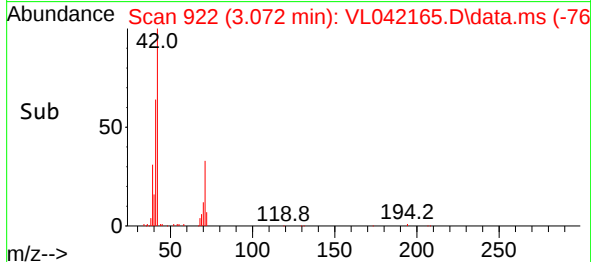
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 42 Resp: 31294
Ion Ratio Lower Upper
42 100
72 34.9 29.4 44.2
71 32.2 27.8 41.6

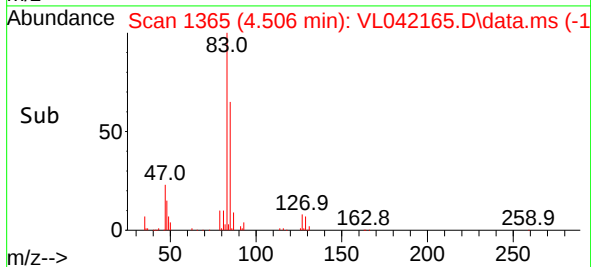
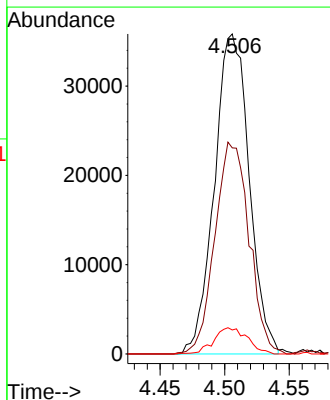
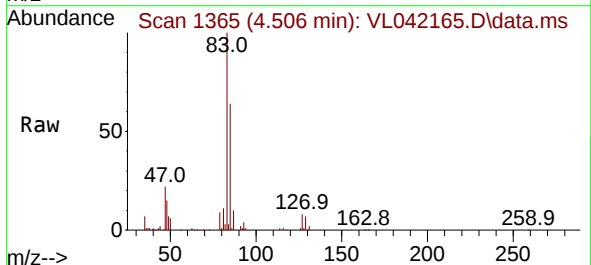
Manual Integrations
APPROVED

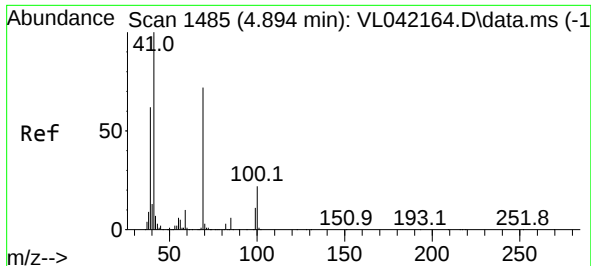
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#42
Bromodichloromethane
Concen: 1.915 ppbv
RT: 4.506 min Scan# 1365
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion: 83 Resp: 67139
Ion Ratio Lower Upper
83 100
85 64.0 51.0 76.4
127 7.5 6.6 9.8





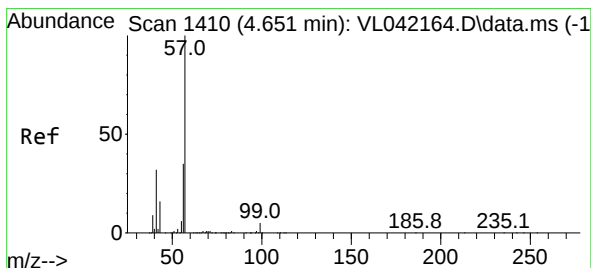
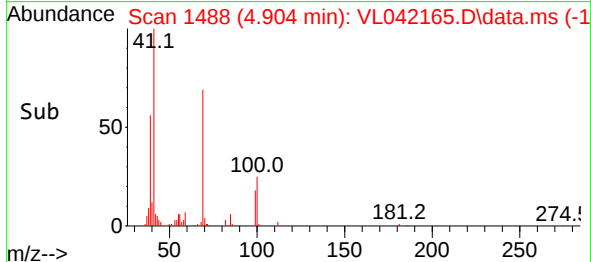
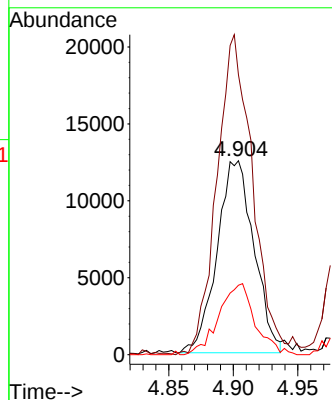
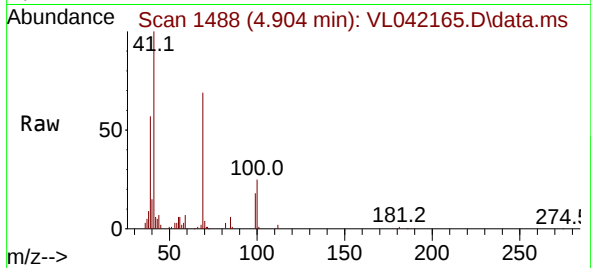
#43
Methyl Methacrylate
Concen: 1.393 ppbv
RT: 4.904 min Scan# 1488
Delta R.T. 0.010 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Instrument :
MSVOA_1
ClientSampleId :
VSTDICC002

Tgt Ion: 69 Resp: 2486
Ion Ratio Lower Upper
69 100
41 162.6 120.6 180.8
100 36.3 26.2 39.2

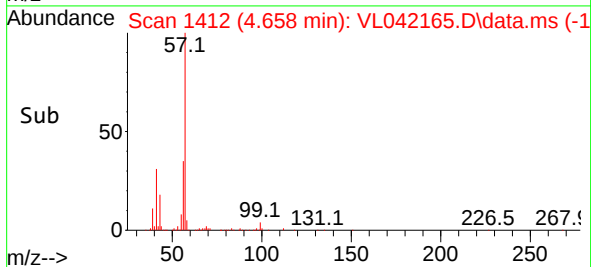
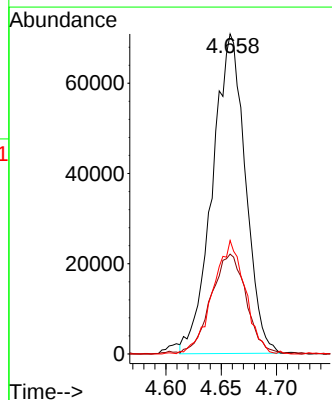
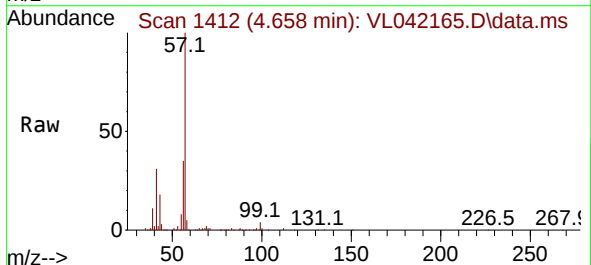
Manual Integrations
APPROVED

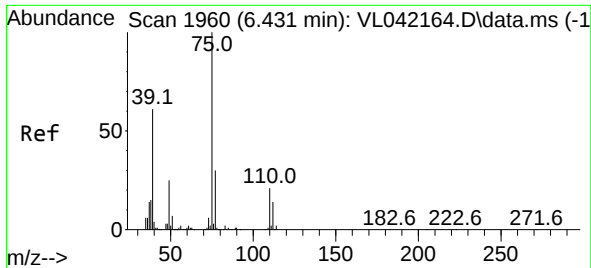
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#44
2,2,4-Trimethylpentane
Concen: 1.766 ppbv
RT: 4.658 min Scan# 1412
Delta R.T. 0.007 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion: 57 Resp: 147082
Ion Ratio Lower Upper
57 100
41 33.4 25.8 38.8
56 34.9 27.4 41.0





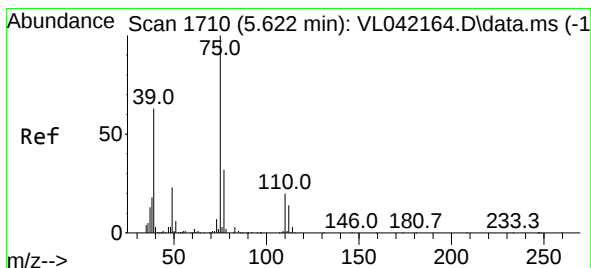
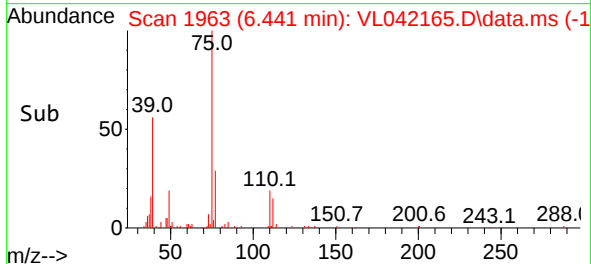
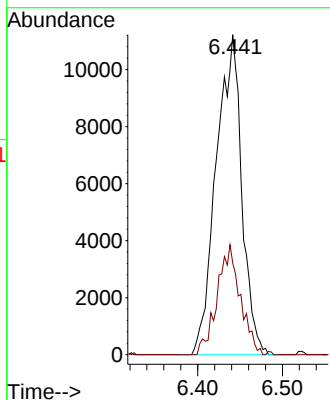
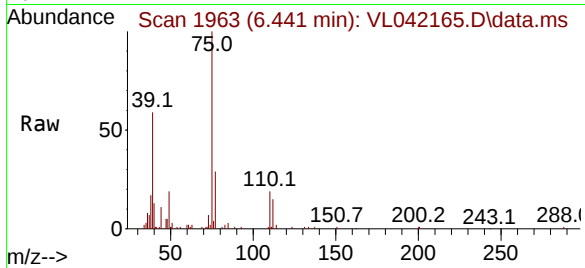
#45
 t-1,3-Dichloropropene
 Concen: 1.357 ppbv m
 RT: 6.441 min Scan# 1960
 Delta R.T. 0.010 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Tgt Ion: 75 Resp: 23510
 Ion Ratio Lower Upper
 75 100
 77 28.6 24.0 36.0

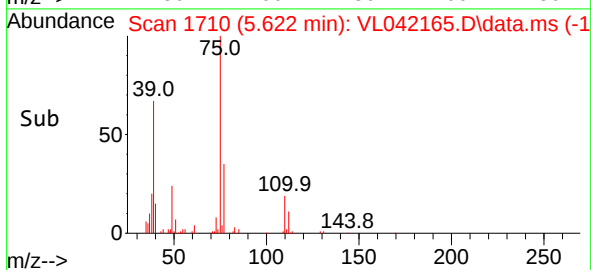
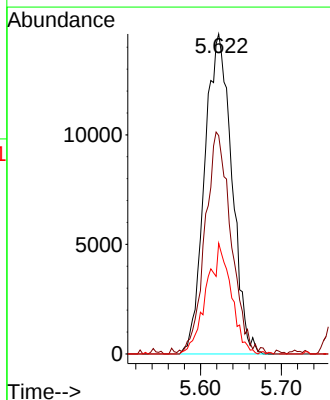
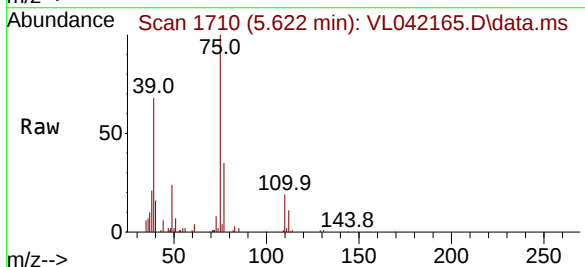
Manual Integrations
 APPROVED

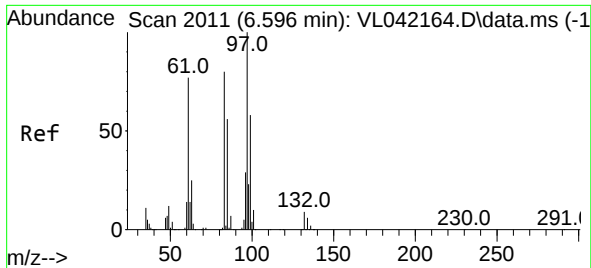
Reviewed By :Semsettin Yesilyurt 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025



#46
 cis-1,3-Dichloropropene
 Concen: 1.507 ppbv m
 RT: 5.622 min Scan# 1710
 Delta R.T. 0.000 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

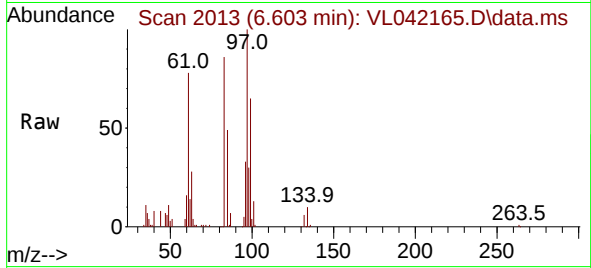
Tgt Ion: 75 Resp: 34069
 Ion Ratio Lower Upper
 75 100
 39 68.2 50.4 75.6
 77 34.6 25.8 38.8





#47
1,1,2-Trichloroethane
Concen: 1.863 ppbv
RT: 6.603 min Scan# 2011
Delta R.T. 0.007 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

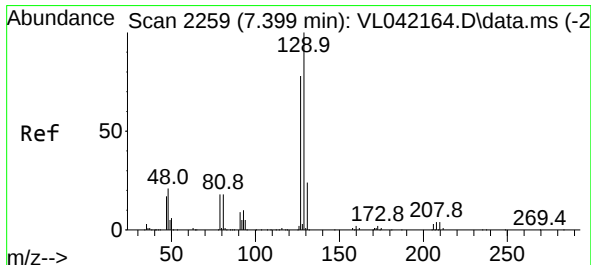
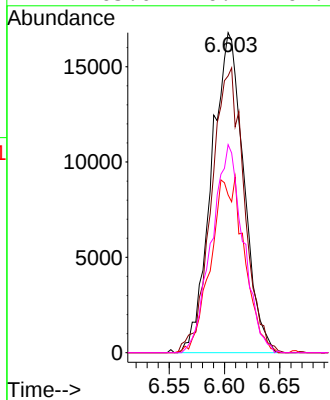
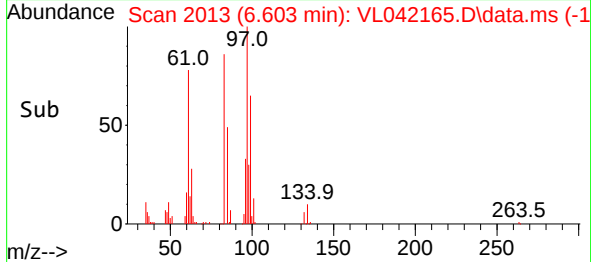
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 97 Resp: 34020
Ion Ratio Lower Upper
97 100
83 86.5 64.2 96.4
85 49.3 44.5 66.7
99 65.0 46.4 69.6

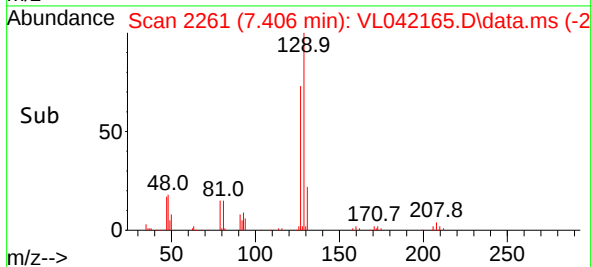
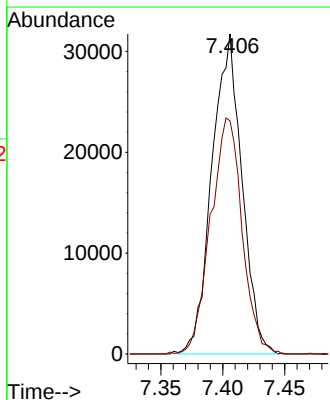
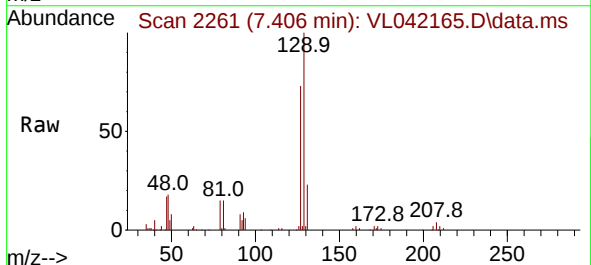
Manual Integrations
APPROVED

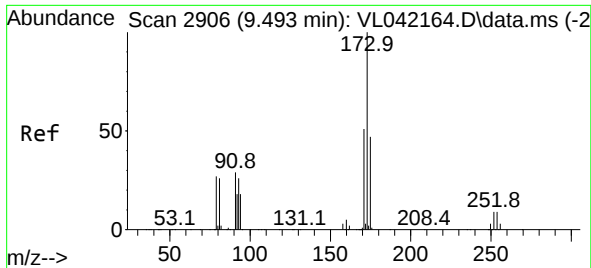
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#48
Dibromochloromethane
Concen: 1.891 ppbv
RT: 7.406 min Scan# 2261
Delta R.T. 0.007 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

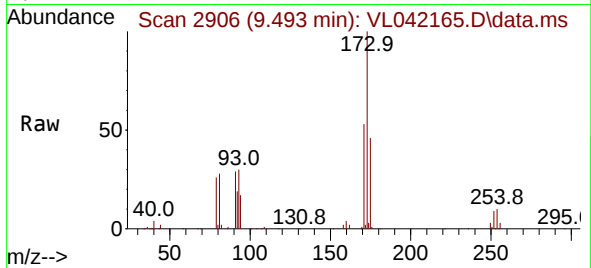
Tgt Ion:129 Resp: 53441
Ion Ratio Lower Upper
129 100
127 77.4 38.7 116.1





#49
Bromoform
Concen: 1.915 ppbv
RT: 9.493 min Scan# 2906
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

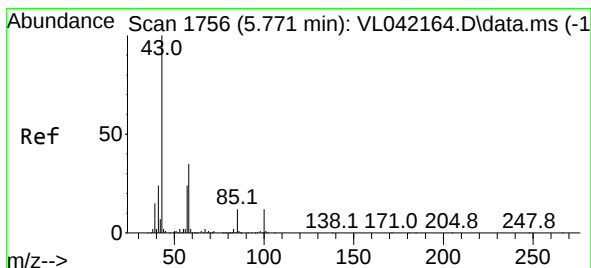
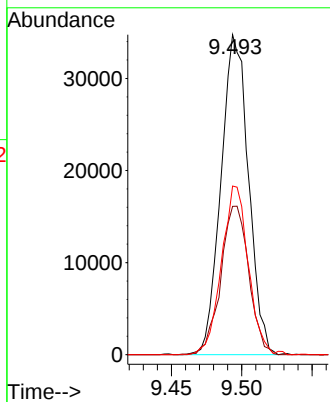
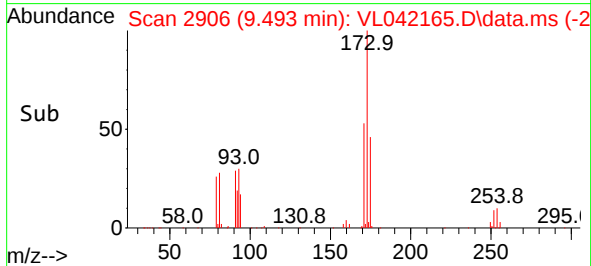
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



Tgt Ion: 173 Resp: 47290
Ion Ratio Lower Upper
173 100
175 47.3 38.5 57.7
171 51.6 41.1 61.7

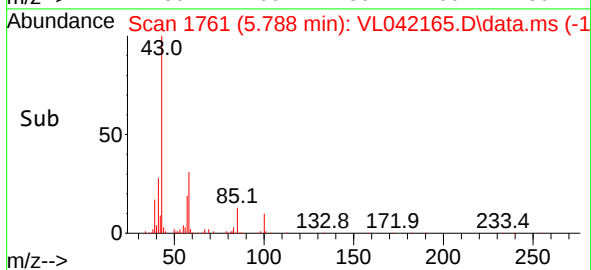
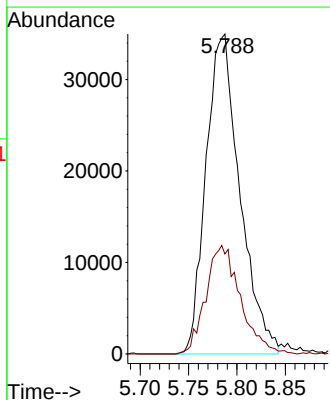
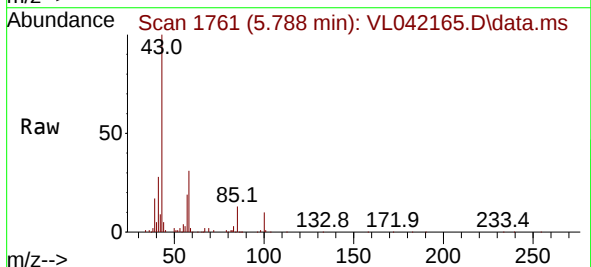
Manual Integrations
APPROVED

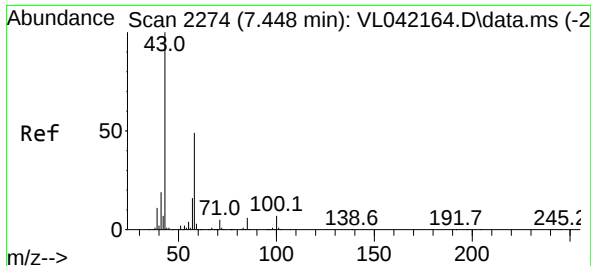
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#50
4-Methyl-2-Pentanone
Concen: 1.892 ppbv
RT: 5.788 min Scan# 1761
Delta R.T. 0.017 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

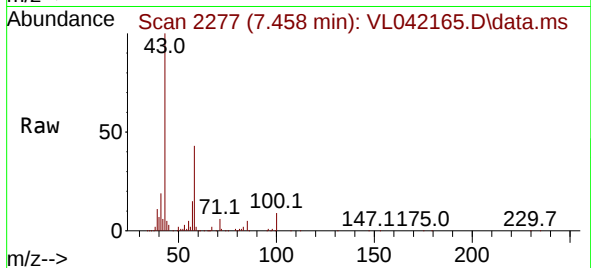
Tgt Ion: 43 Resp: 85185
Ion Ratio Lower Upper
43 100
58 34.9 27.2 40.8





#51
2-Hexanone
Concen: 2.064 ppbv
RT: 7.458 min Scan# 2274
Delta R.T. 0.010 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

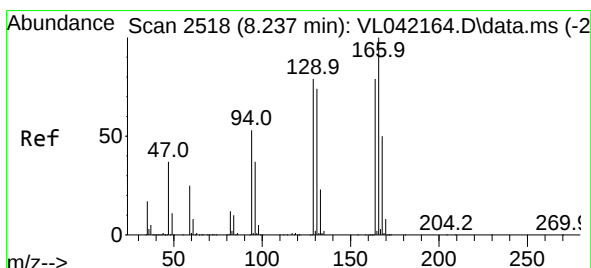
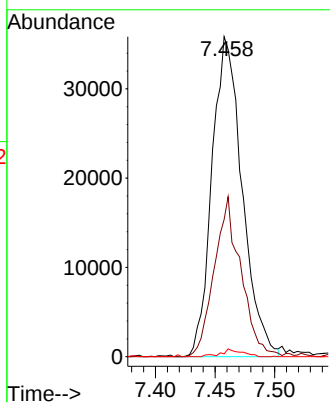
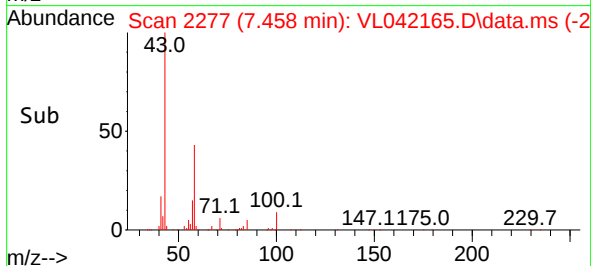
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



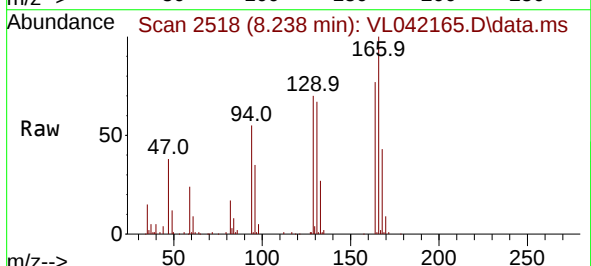
Tgt Ion: 43 Resp: 63140
Ion Ratio Lower Upper
43 100
58 44.3 37.9 56.9
98 1.7 0.9 1.3

Manual Integrations
APPROVED

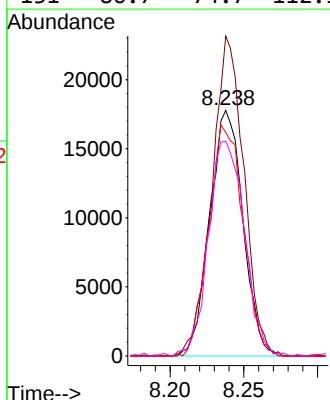
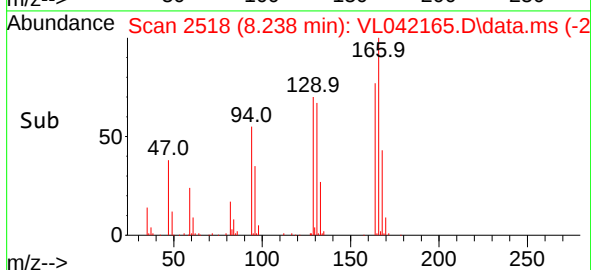
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

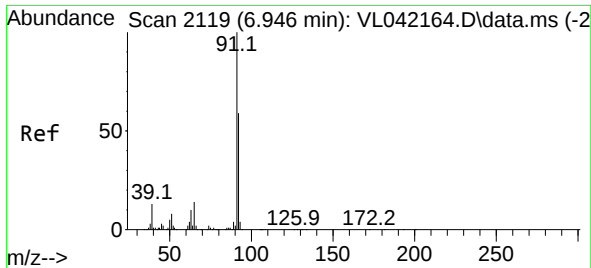


#52
Tetrachloroethene
Concen: 1.752 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29



Tgt Ion:164 Resp: 27899
Ion Ratio Lower Upper
164 100
166 129.5 101.3 151.9
129 94.7 79.6 119.4
131 86.7 74.7 112.1





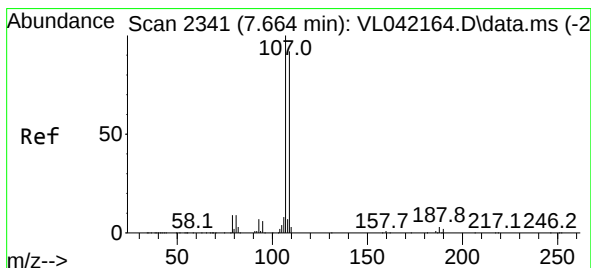
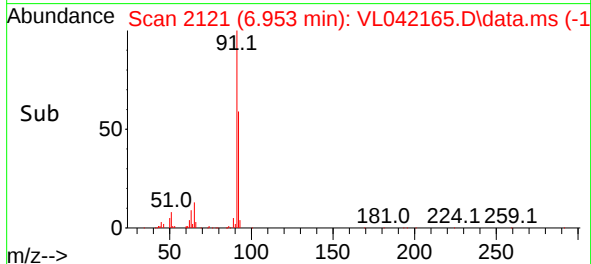
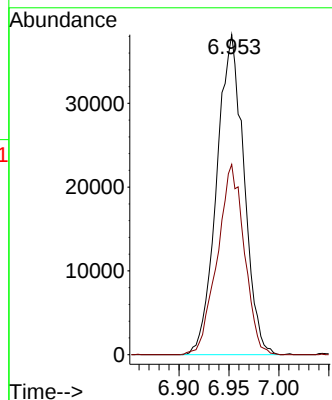
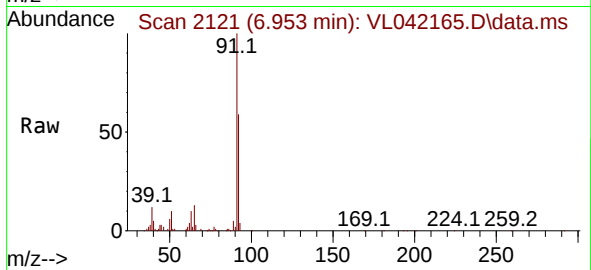
#53
Toluene
Concen: 1.404 ppbv
RT: 6.953 min Scan# 2119
Delta R.T. 0.007 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 72344
Ion Ratio Lower Upper
91 100
92 58.9 49.0 73.4

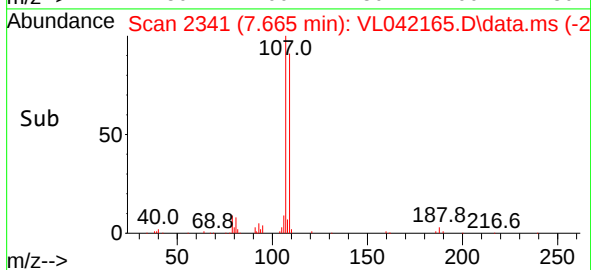
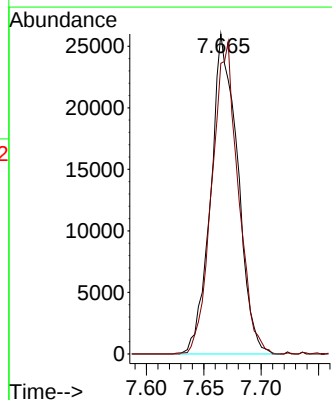
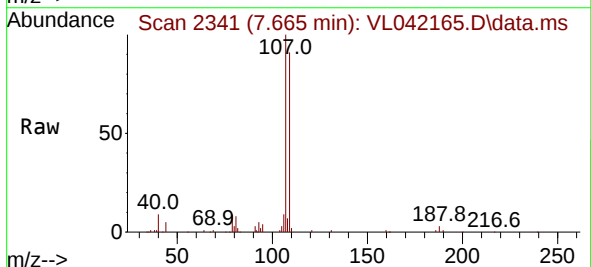
Manual Integrations
APPROVED

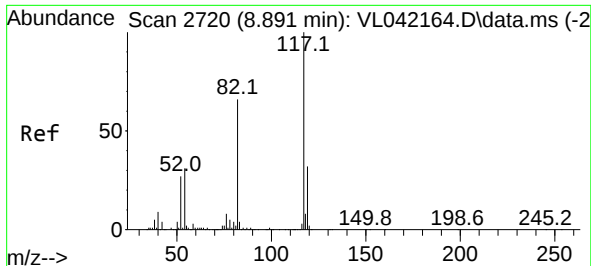
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#54
1,2-Dibromoethane
Concen: 1.740 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

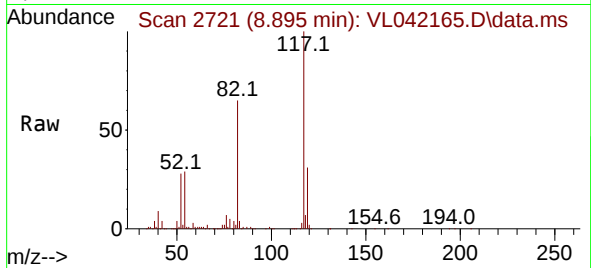
Tgt Ion:107 Resp: 42255
Ion Ratio Lower Upper
107 100
109 90.8 73.4 110.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2720
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

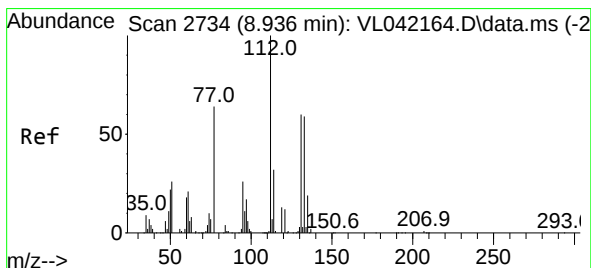
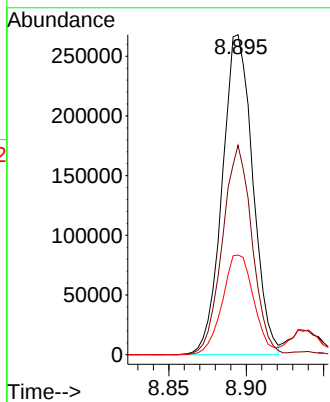
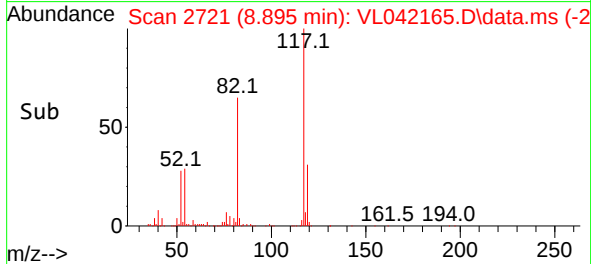
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



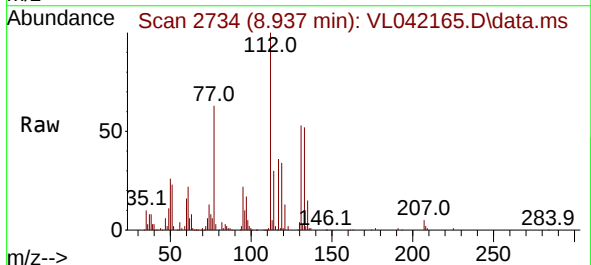
Tgt Ion:117 Resp: 367440
Ion Ratio Lower Upper
117 100
82 64.5 54.2 81.4
119 32.7 25.4 38.2

Manual Integrations
APPROVED

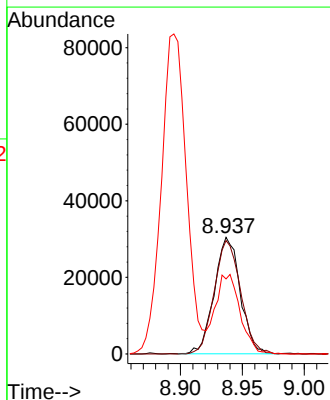
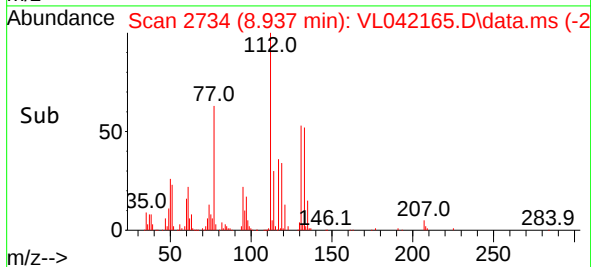
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

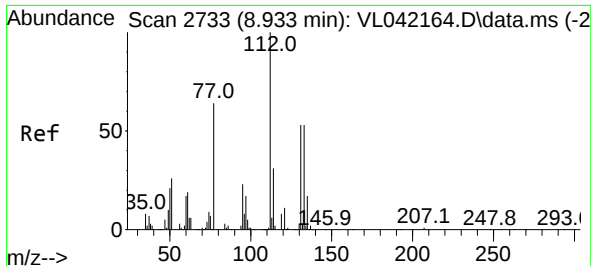


#56
1,1,1,2-Tetrachloroethane
Concen: 2.072 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29



Tgt Ion:131 Resp: 44277
Ion Ratio Lower Upper
131 100
133 99.7 74.7 112.1
119 61.9 52.5 78.7





#57

Chlorobenzene

Concen: 2.057 ppbv

RT: 8.937 min Scan# 21

Delta R.T. 0.004 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

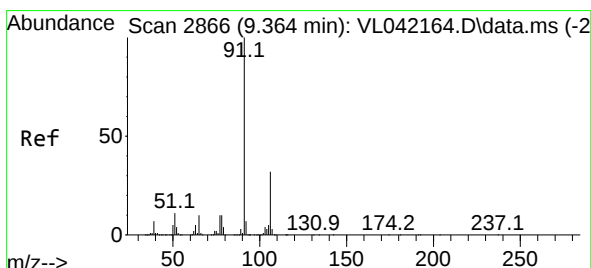
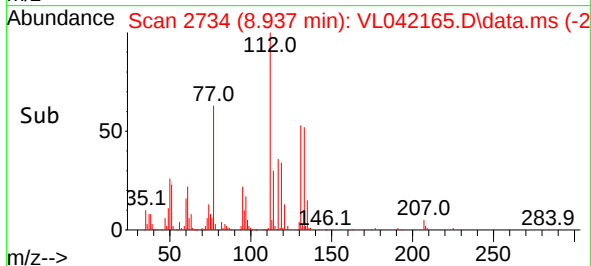
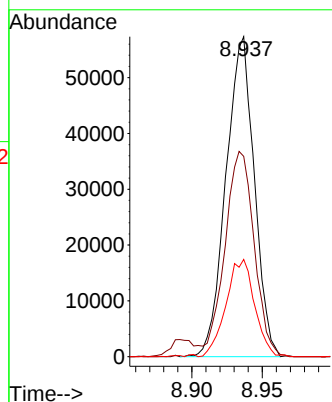
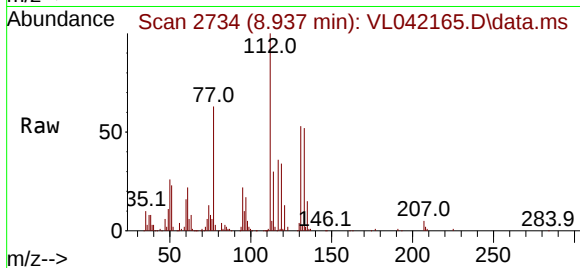
VSTDICC002

Tgt Ion:112	Resp:	8025
Ion Ratio	Lower	Upper
112	100	
77	61.9	51.7 77.5
114	30.1	28.2 34.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#58

Ethyl Benzene

Concen: 1.401 ppbv

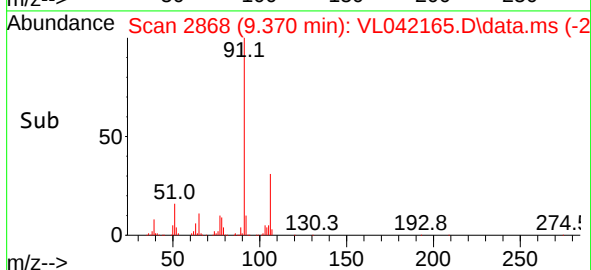
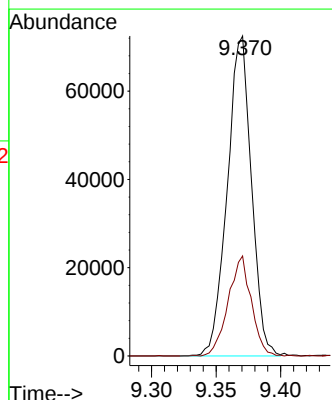
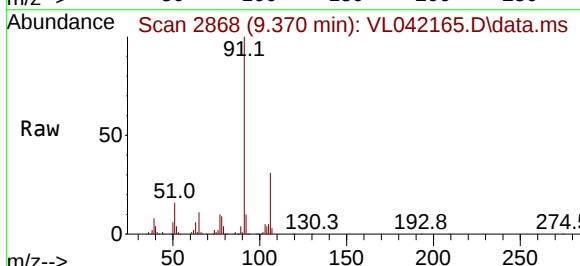
RT: 9.370 min Scan# 2868

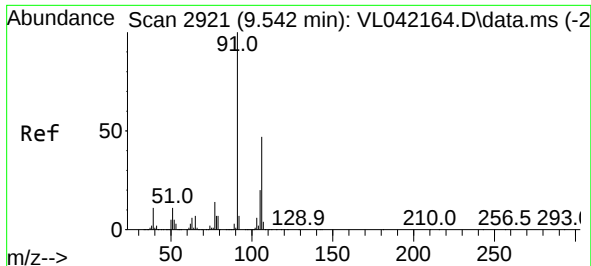
Delta R.T. 0.007 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Tgt Ion: 91	Resp:	94433
Ion Ratio	Lower	Upper
91	100	
106	31.3	25.4 38.0





#59

m/p-Xylene

Concen: 3.397 ppbv m

RT: 9.565 min Scan# 2921

Delta R.T. 0.023 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 91 Resp: 18588

Ion Ratio Lower Upper

91 100

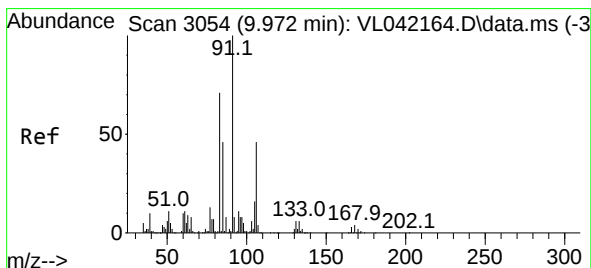
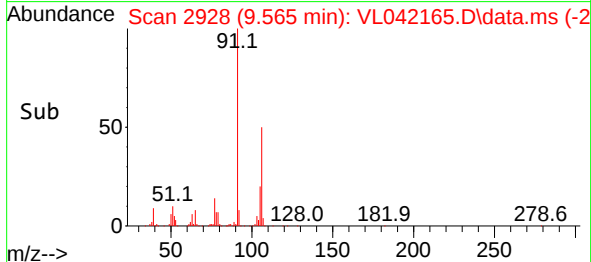
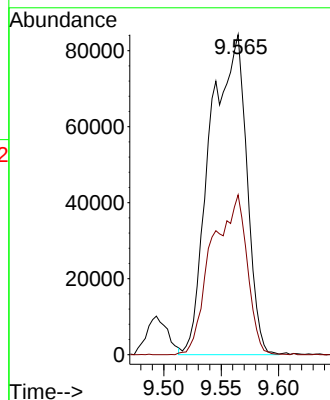
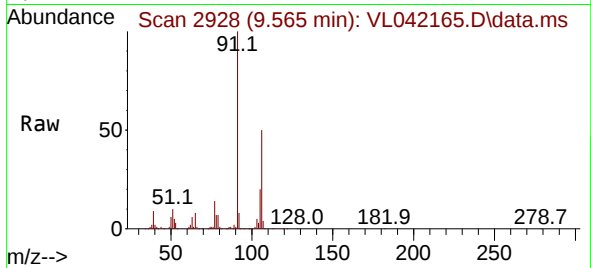
106 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#60

o-Xylene

Concen: 1.649 ppbv

RT: 9.976 min Scan# 3055

Delta R.T. 0.004 min

Lab File: VL042165.D

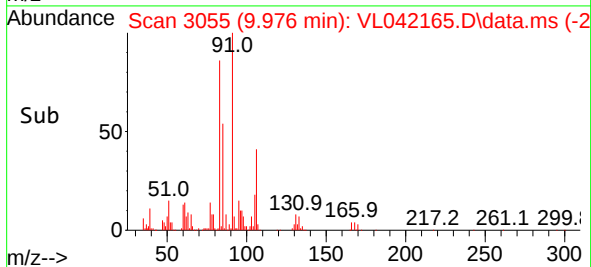
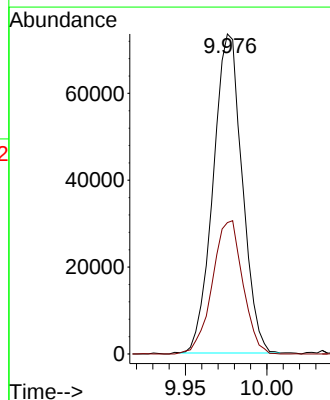
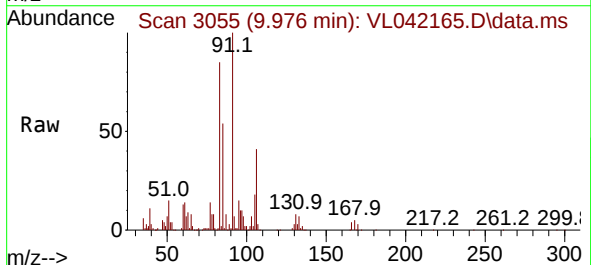
Acq: 25 Mar 2025 09:29

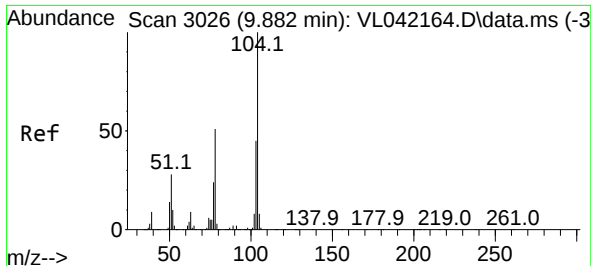
Tgt Ion: 91 Resp: 91067

Ion Ratio Lower Upper

91 100

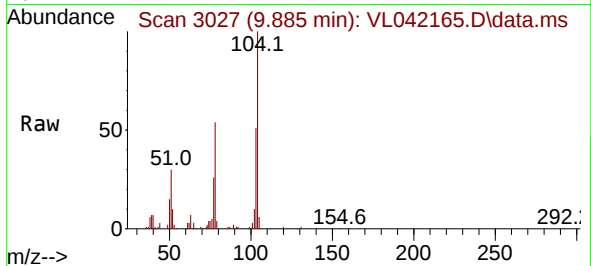
106 43.7 22.7 68.0





#61
Styrene
Concen: 1.177 ppbv
RT: 9.885 min Scan# 3026
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

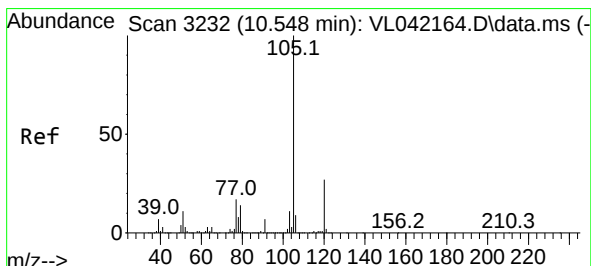
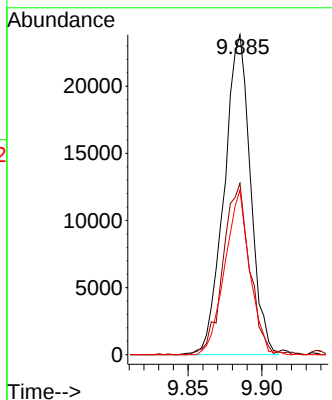
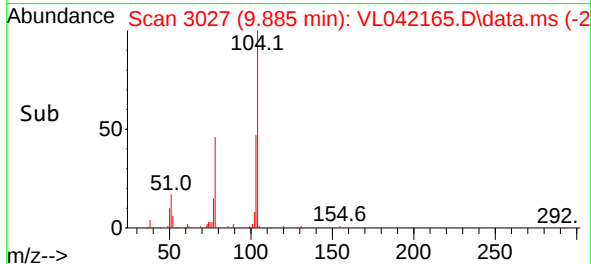
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



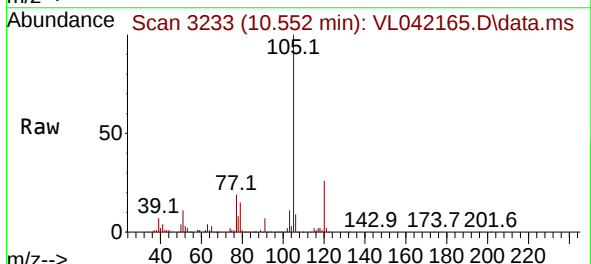
Tgt Ion:104 Resp: 29574
Ion Ratio Lower Upper
104 100
78 54.1 39.7 59.5
103 48.8 37.4 56.2

Manual Integrations
APPROVED

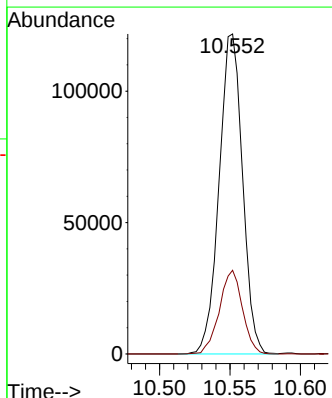
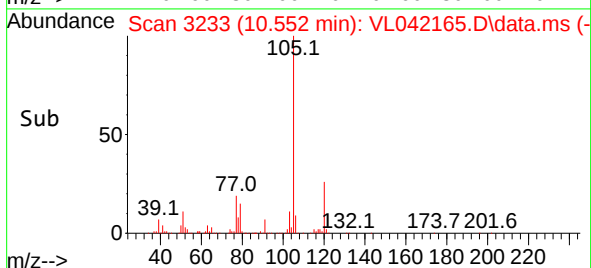
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

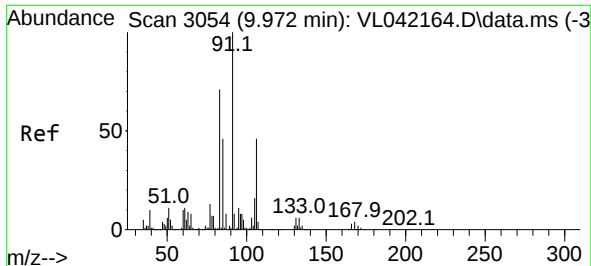


#62
Isopropylbenzene
Concen: 1.702 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29



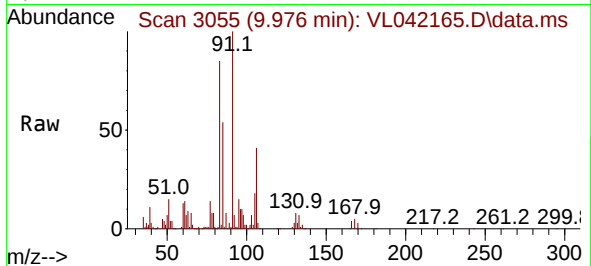
Tgt Ion:105 Resp: 140615
Ion Ratio Lower Upper
105 100
120 25.8 21.4 32.0





#63
1,1,2,2-Tetrachloroethane
Concen: 2.162 ppbv
RT: 9.976 min Scan# 3054
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

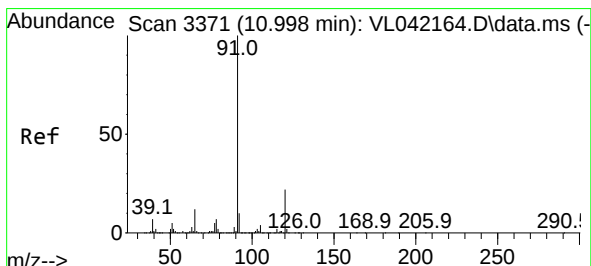
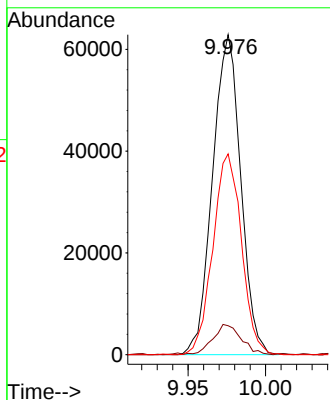
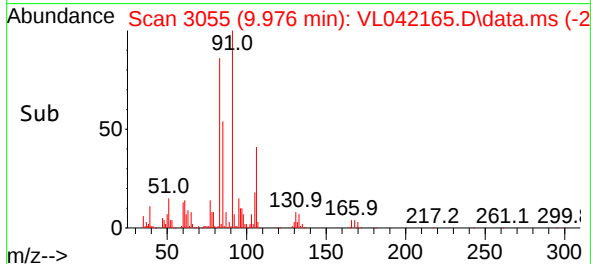
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



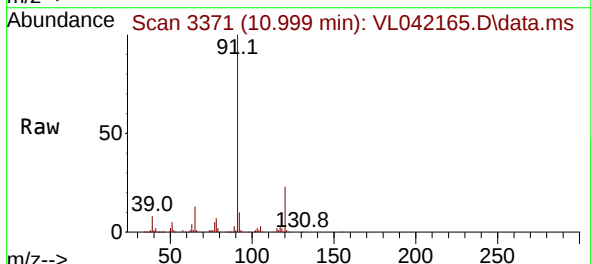
Tgt Ion: 83 Resp: 7946
Ion Ratio Lower Upper
83 100
131 9.8 4.5 13.5
85 63.8 32.3 96.9

Manual Integrations
APPROVED

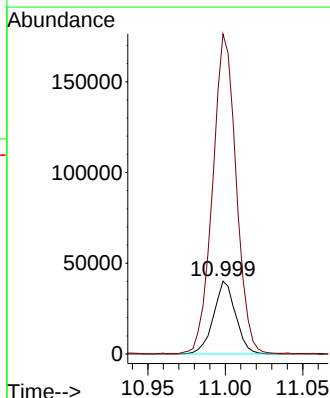
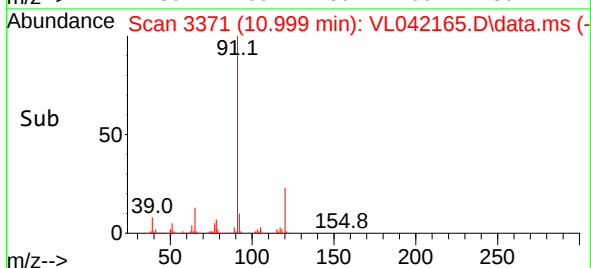
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

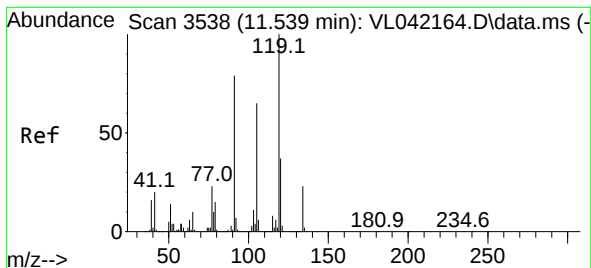


#64
n-propylbenzene
Concen: 1.816 ppbv
RT: 10.999 min Scan# 3371
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29



Tgt Ion:120 Resp: 39741
Ion Ratio Lower Upper
120 100
91 470.8 369.8 554.8





#65

tert-Butylbenzene

Concen: 1.847 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.004 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

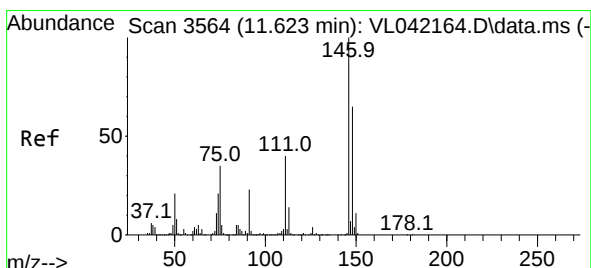
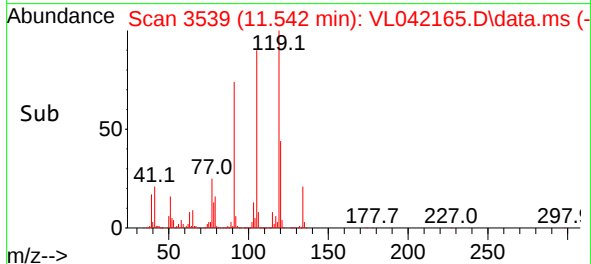
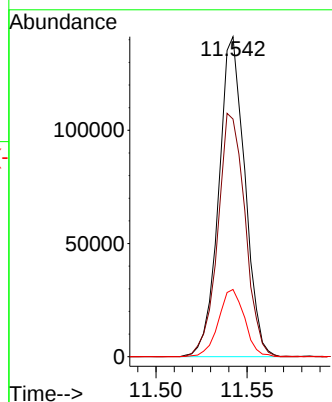
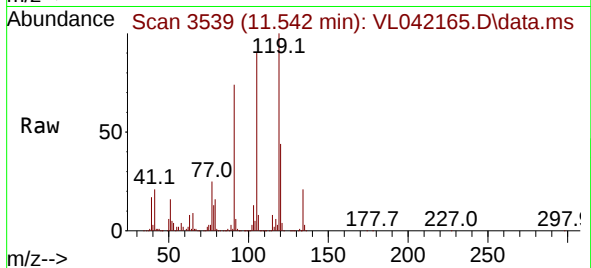
VSTDIC002

Tgt Ion:	119	Resp:	140620
Ion Ratio	Lower	Upper	
119	100		
91	79.6	63.5	95.3
134	20.9	17.4	26.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#66

Benzyl Chloride

Concen: 1.659 ppbv

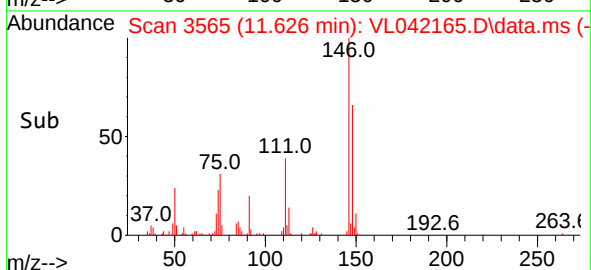
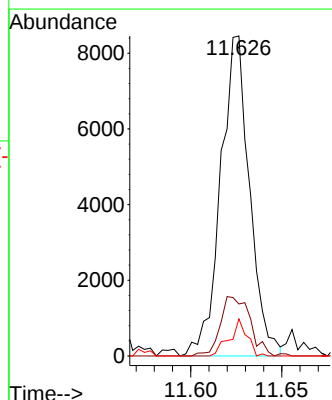
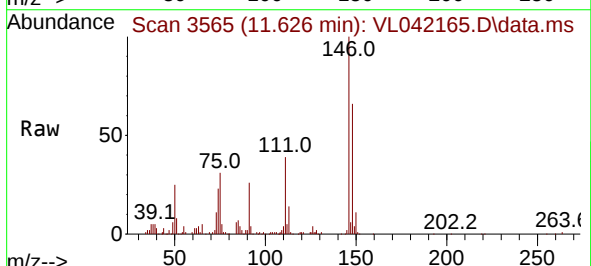
RT: 11.626 min Scan# 3565

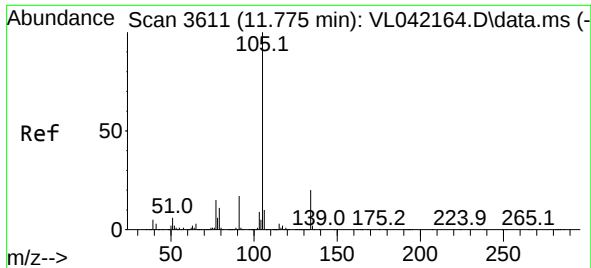
Delta R.T. 0.004 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

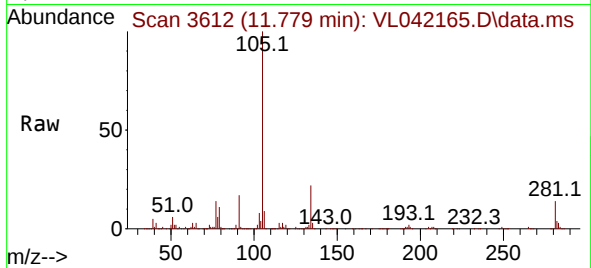
Tgt Ion:	91	Resp:	9352
Ion Ratio	Lower	Upper	
91	100		
126	19.3	15.0	22.6
128	7.0	4.6	7.0





#67
 sec-Butylbenzene
 Concen: 1.962 ppbv
 RT: 11.779 min Scan# 3612
 Delta R.T. 0.004 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

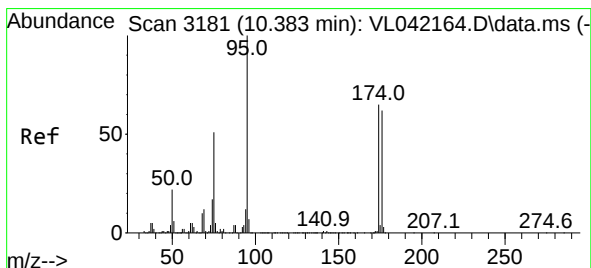
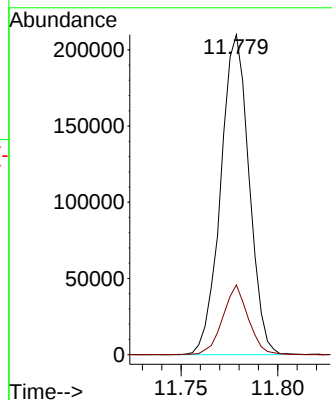
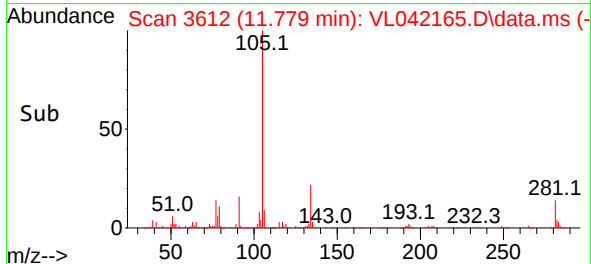
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



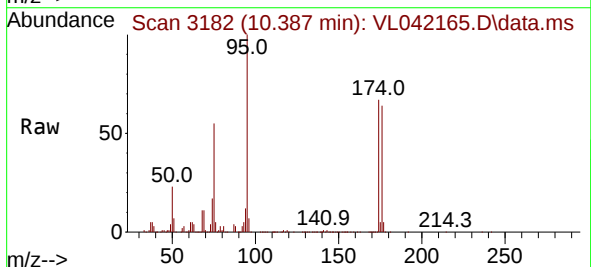
Tgt Ion:105 Resp: 214048
 Ion Ratio Lower Upper
 105 100
 134 19.6 15.4 23.2

Manual Integrations
 APPROVED

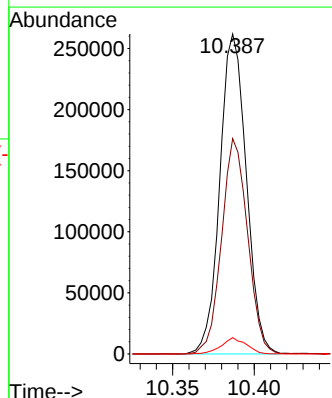
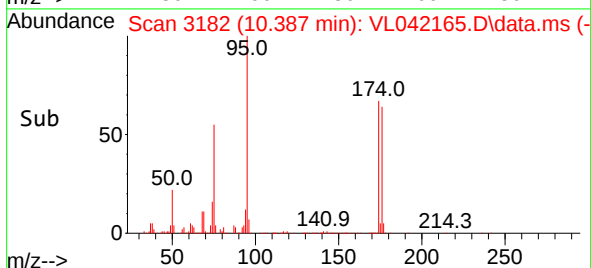
Reviewed By :Semsettin Yesilyurt 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025

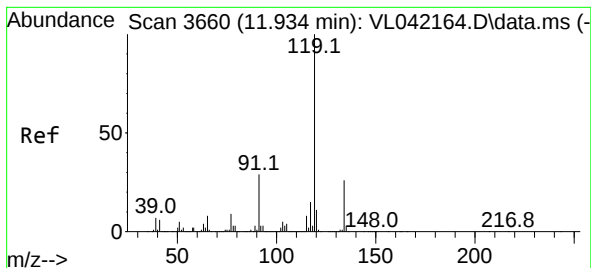


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.282 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. 0.004 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29



Tgt Ion: 95 Resp: 295233
 Ion Ratio Lower Upper
 95 100
 174 66.3 53.5 80.3
 175 4.8 3.8 5.8





#69

p-Isopropyltoluene

Concen: 1.953 ppbv

RT: 11.934 min Scan# 3660

Delta R.T. 0.000 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

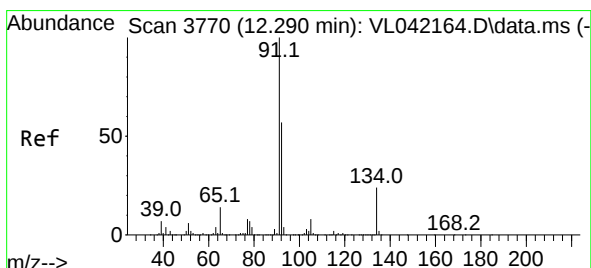
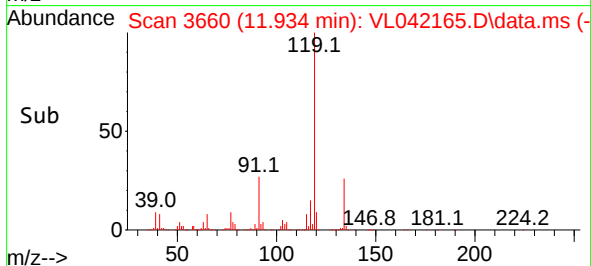
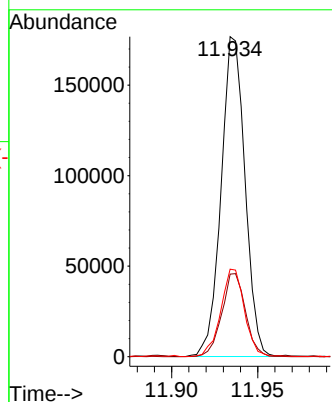
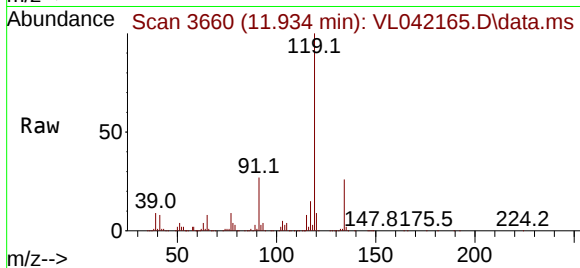
VSTDIC002

Tgt Ion:	119	Resp:	17054
Ion Ratio	Lower	Upper	
119	100		
134	25.8	21.3	31.9
91	27.6	22.4	33.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#70

n-Butylbenzene

Concen: 1.993 ppbv

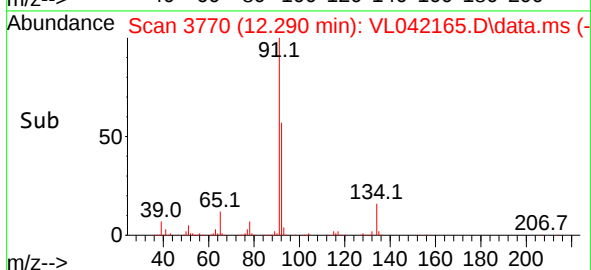
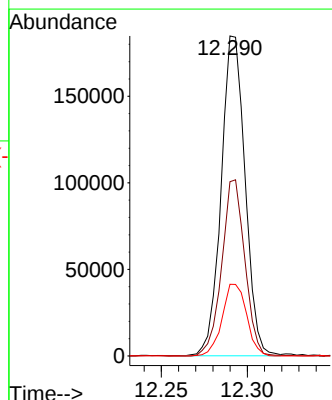
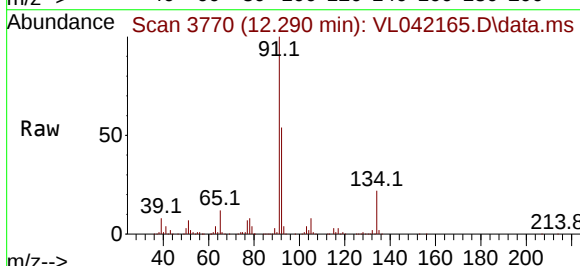
RT: 12.290 min Scan# 3770

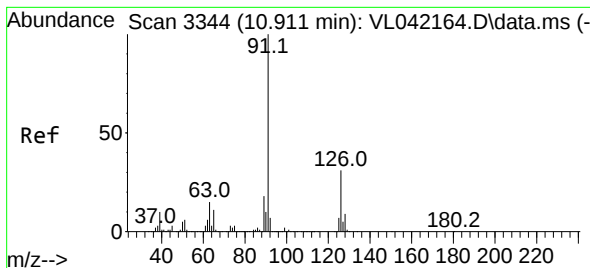
Delta R.T. 0.000 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

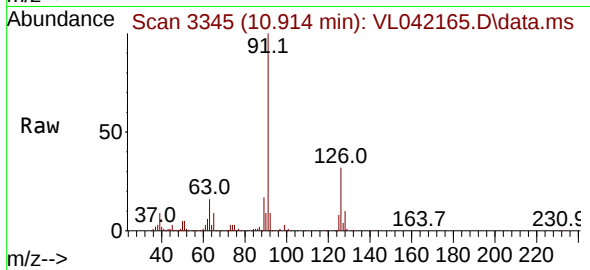
Tgt Ion:	91	Resp:	178947
Ion Ratio	Lower	Upper	
91	100		
92	53.3	44.5	66.7
134	23.1	19.1	28.7





#71
2-Chlorotoluene
Concen: 1.606 ppbv
RT: 10.914 min Scan# 31
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

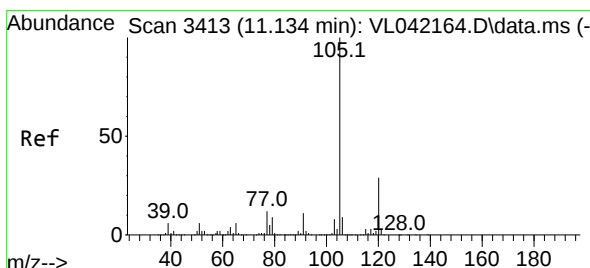
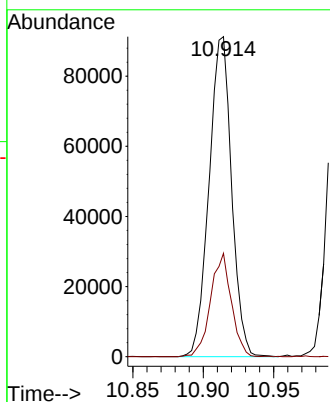
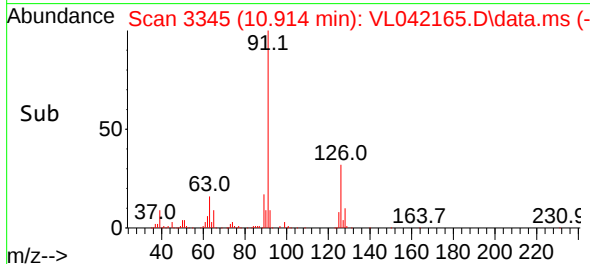
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



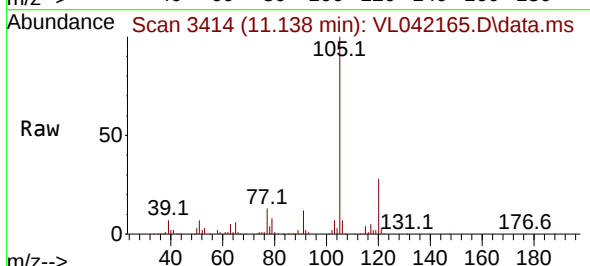
Tgt Ion: 91 Resp: 101954
Ion Ratio Lower Upper
91 100
126 29.7 12.3 49.1

Manual Integrations
APPROVED

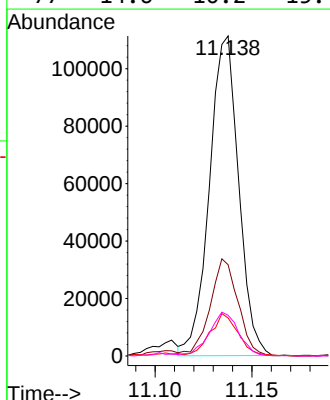
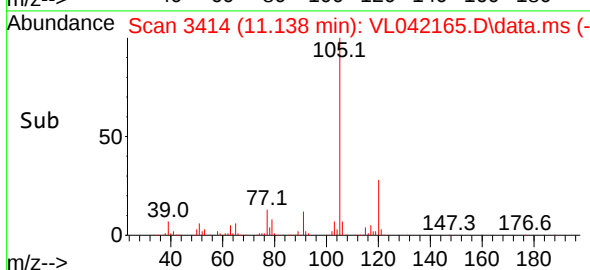
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

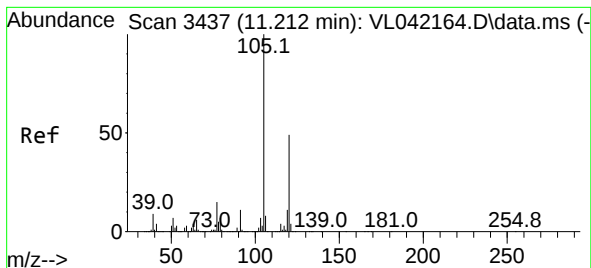


#72
4-Ethyltoluene
Concen: 1.717 ppbv
RT: 11.138 min Scan# 3414
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29



Tgt Ion:105 Resp: 116728
Ion Ratio Lower Upper
105 100
120 30.8 24.2 36.2
91 13.9 9.8 14.8
77 14.6 10.2 15.4





#73

1,3,5-Trimethylbenzene

Concen: 1.771 ppbv

RT: 11.215 min Scan# 3437

Delta R.T. 0.004 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:105 Resp: 104138

Ion Ratio Lower Upper

105 100

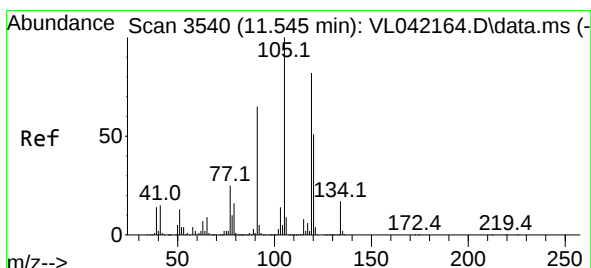
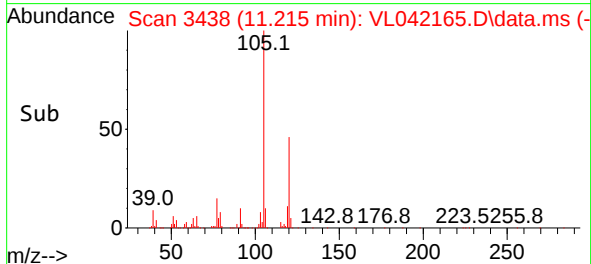
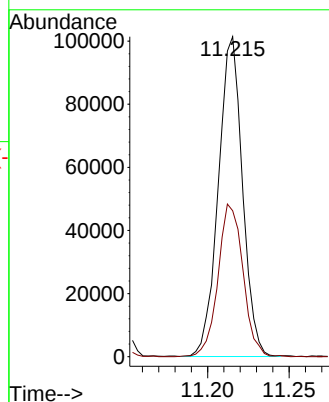
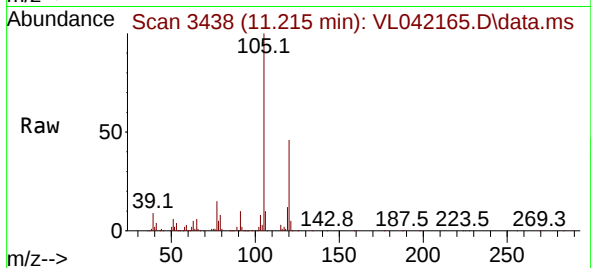
120 45.5 39.2 58.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#74

1,2,4-Trimethylbenzene

Concen: 2.127 ppbv

RT: 11.546 min Scan# 3540

Delta R.T. 0.000 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Tgt Ion:105 Resp: 142921

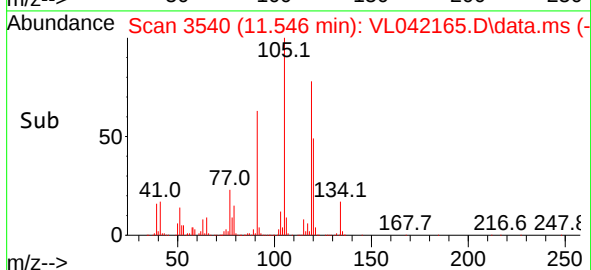
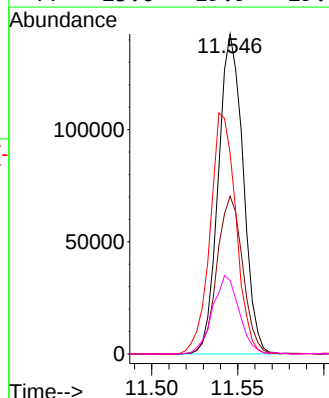
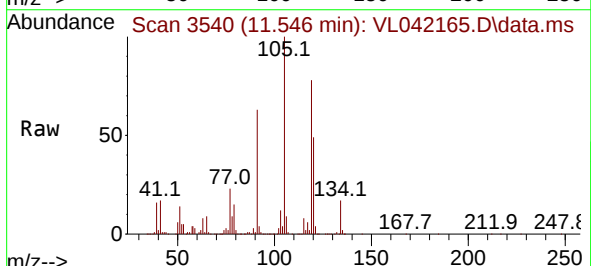
Ion Ratio Lower Upper

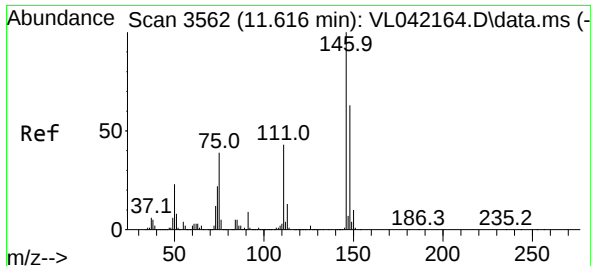
105 100

120 49.3 40.9 61.3

91 62.6 52.6 79.0

77 23.0 19.9 29.9





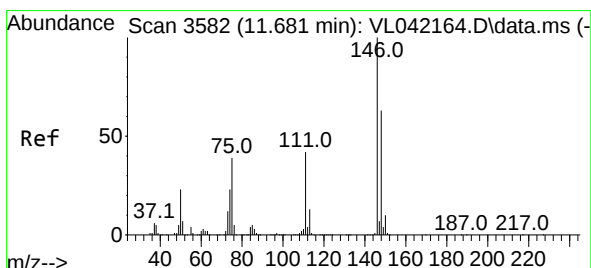
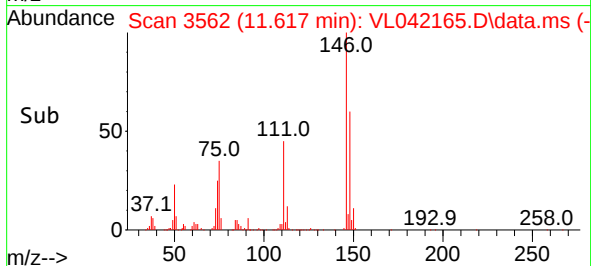
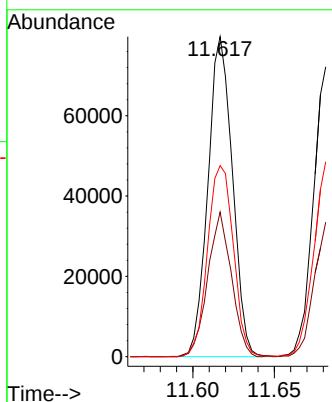
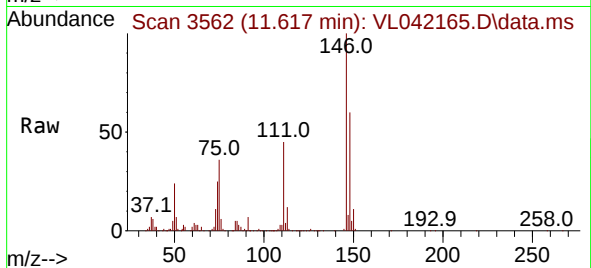
#75
1,3-Dichlorobenzene
Concen: 2.133 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:146 Resp: 8324
Ion Ratio Lower Upper
146 100
111 43.9 21.9 65.8
148 63.0 31.7 95.1

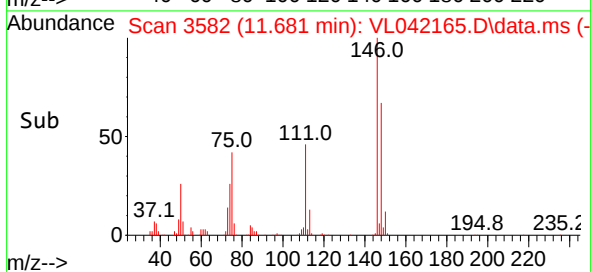
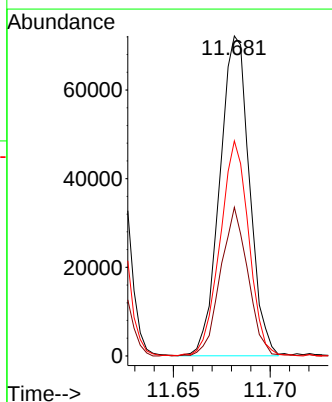
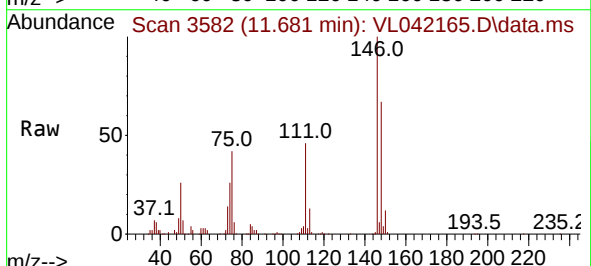
Manual Integrations
APPROVED

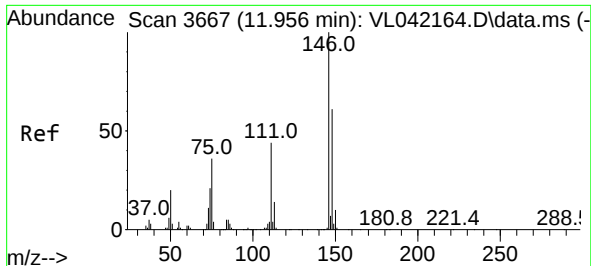
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#76
1,4-Dichlorobenzene
Concen: 1.984 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion:146 Resp: 76908
Ion Ratio Lower Upper
146 100
111 43.3 21.3 64.0
148 65.2 31.8 95.3





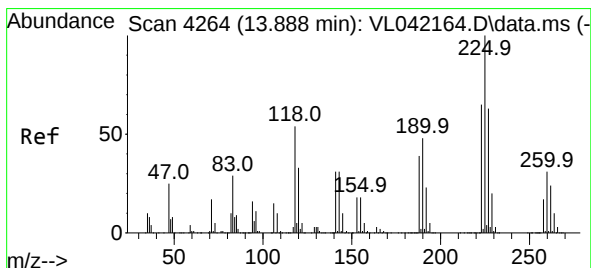
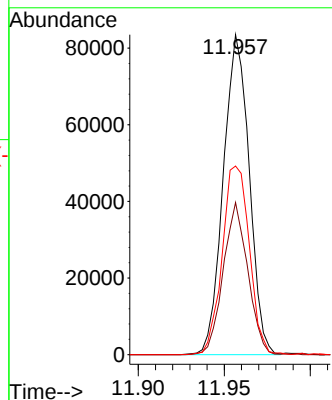
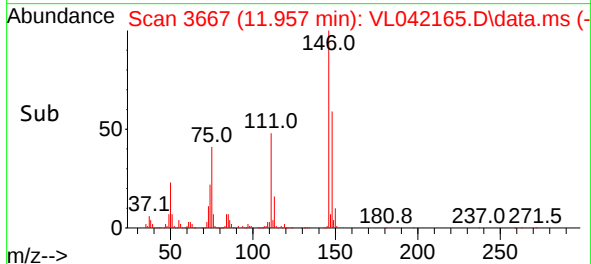
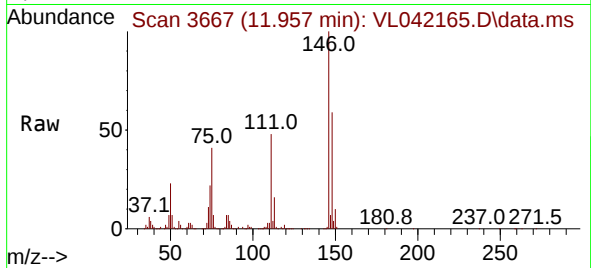
#77
1,2-Dichlorobenzene
Concen: 2.285 ppbv
RT: 11.957 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:146 Resp: 8742
Ion Ratio Lower Upper
146 100
111 45.2 23.1 69.3
148 62.1 31.6 94.7

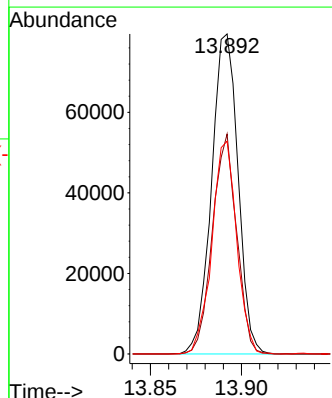
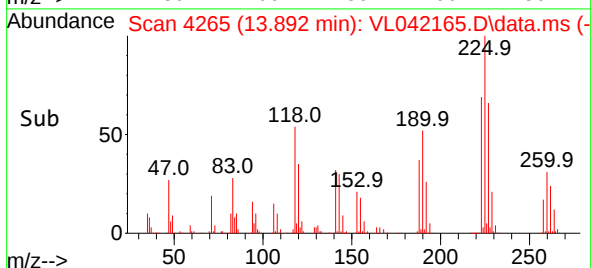
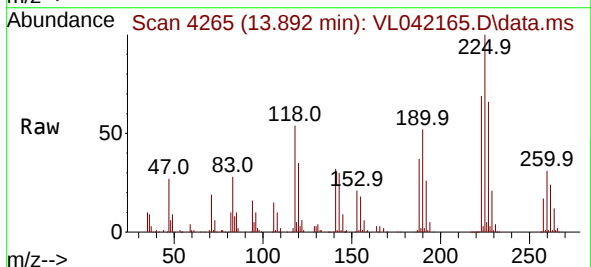
Manual Integrations
APPROVED

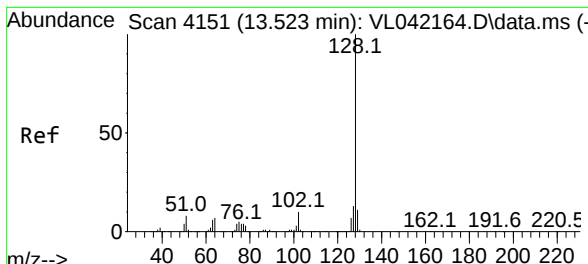
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#78
Hexachloro-1,3-Butadiene
Concen: 2.647 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion:225 Resp: 79992
Ion Ratio Lower Upper
225 100
223 63.0 51.1 76.7
227 62.5 50.6 76.0





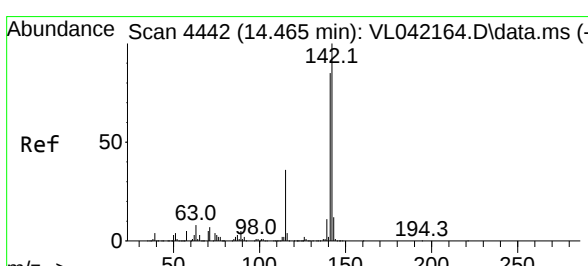
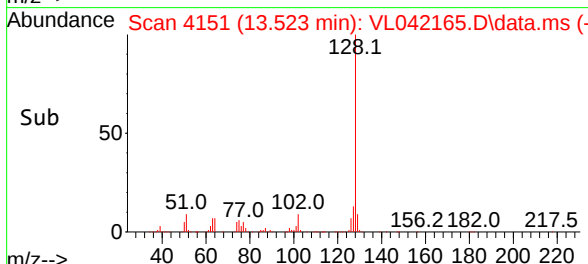
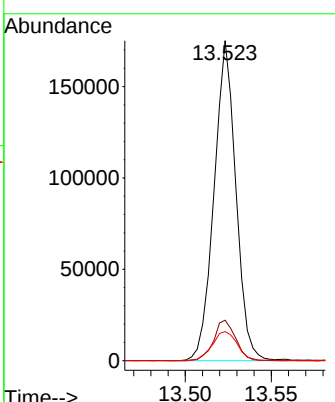
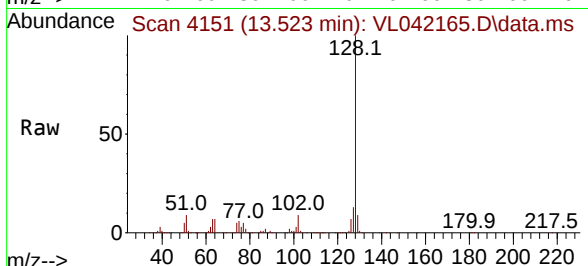
#79
 Naphthalene
 Concen: 3.187 ppbv
 RT: 13.523 min Scan# 4151
 Delta R.T. 0.000 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

Instrument : MSVOA_1
 ClientSampleId : VSTDIC002

Tgt Ion:128 Resp: 15433

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	16.0
129	9.1	8.7	13.1

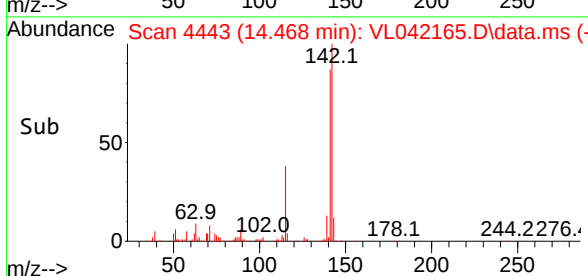
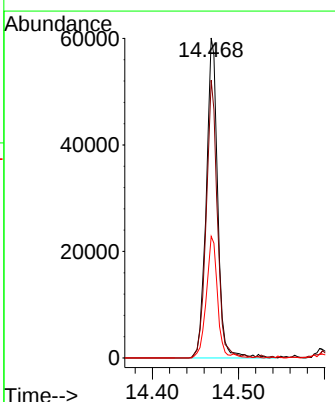
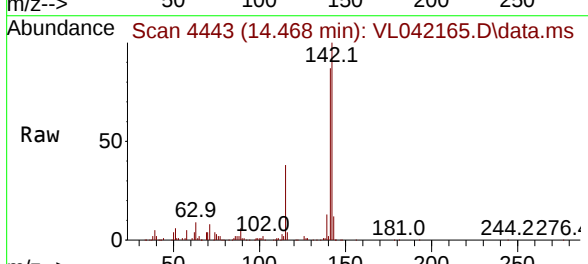
Manual Integrations
APPROVED
 Reviewed By :Semsettin Yesilyurt 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025

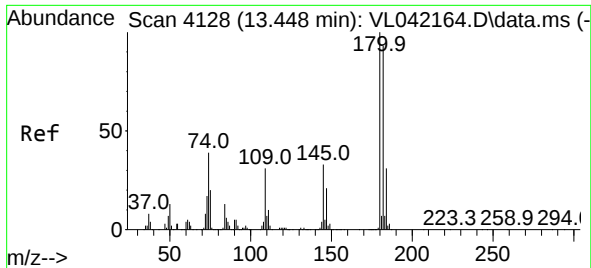


#80
 Naphthalene,2-methyl-
 Concen: 3.831 ppbv
 RT: 14.468 min Scan# 4443
 Delta R.T. 0.004 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

Tgt Ion:142 Resp: 55441

Ion	Ratio	Lower	Upper
142	100		
141	85.6	66.7	100.1
115	37.9	29.0	43.4





#81
 1,2,4-Trichlorobenzene
 Concen: 2.530 ppbv
 RT: 13.449 min Scan# 4128
 Delta R.T. 0.000 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:180 Resp: 67500
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.3 114.5
 184 31.1 24.4 36.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025

