

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022625\
 Data File : VL042064.D
 Acq On : 26 Feb 2025 16:29
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/27/2025
 Supervised By : Mahesh Dadoda 02/27/2025

Quant Time: Feb 27 00:32:01 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

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

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	145126	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	339812	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	289628	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.386 95 238619 10.709 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 107.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	159582	10.575	ppbv	97
3) Chlorodifluoromethane	1.479	51	204969	9.718	ppbv	100
4) Chloromethane	1.537	50	55035	9.861	ppbv	97
5) Vinyl Chloride	1.583	62	53022	10.044	ppbv	98
6) Bromomethane	1.670	94	25310	10.069	ppbv	96
7) Chloroethane	1.709	64	21079	9.828	ppbv	90
8) Dichlorotetrafluoroethane	1.557	85	124960	10.073	ppbv	99
9) Propene	1.486	41	81837	9.524	ppbv	98
10) Heptane	4.994	43	250710	9.371	ppbv	98
11) Trichlorofluoromethane	1.881	101	153827	10.173	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.146	101	124247	10.301	ppbv	97
13) Ethanol	1.725	45	2739	5.021	ppbv	96
14) Bromoethene	1.787	108	42497	9.977	ppbv	100
15) Acetone	1.838	43	117289	9.152	ppbv	100
16) 1,3-Butadiene	1.612	39	59439	9.966	ppbv	97
17) tert-Butyl alcohol	2.046	59	141752	8.840	ppbv	98
18) 1,1-Dichloroethene	2.039	96	49911	9.158	ppbv	97
19) Isopropyl Alcohol	1.890	45	64058	8.701	ppbv	96
20) Methylene Chloride	2.068	84	43857	9.047	ppbv	98
21) Allyl Chloride	2.101	41	91044	9.832	ppbv	98
22) trans-1,2-Dichloroethene	2.347	96	61633	9.701	ppbv	95
23) Vinyl Acetate	2.470	43	67233	7.461	ppbv #	97
24) 1,1-Dichloroethane	2.415	63	116741	9.875	ppbv	100
25) Ethyl Acetate	2.845	43	504056	9.826	ppbv	99
26) Hexane	2.835	57	191992	9.257	ppbv	94
27) Carbon Disulfide	2.156	76	142910	10.165	ppbv	99
28) Methyl tert-Butyl Ether	2.450	73	126508	12.252	ppbv	98
29) Chloroform	2.858	83	261772	9.378	ppbv	99
30) Cyclohexane	3.871	84	149052	8.855	ppbv	91
31) cis-1,2-Dichloroethene	2.729	61	183442	9.344	ppbv	94
32) 1,1,1-Trichloroethane	3.379	97	248076	9.162	ppbv	95
34) 2-Butanone	2.567	43	290227	10.963	ppbv	95
35) Carbon Tetrachloride	3.774	117	251828	10.747	ppbv	94
36) Benzene	3.670	78	359459	10.105	ppbv	97
37) 1,2-Dichloroethane	3.227	62	214176	10.859	ppbv	98
38) Trichloroethene	4.564	130	137505	9.466	ppbv	97
39) 1,2-Dichloropropane	4.331	63	138024	10.222	ppbv	97
40) 1,4-Dioxane	4.596	88	62168m	10.086	ppbv	
41) Tetrahydrofuran	3.065	42	165714	10.594	ppbv	97
42) Bromodichloromethane	4.505	83	279856	10.531	ppbv	100
43) Methyl Methacrylate	4.900	69	144235	10.382	ppbv	91
44) 2,2,4-Trimethylpentane	4.658	57	649945	10.352	ppbv	98
45) t-1,3-Dichloropropene	6.438	75	137874	9.989	ppbv	93

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Instrument :
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Manual Integrations
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Reviewed By : Semsettin Yesilyurt 02/27/2025
 Supervised By : Mahesh Dadoda 02/27/2025

Quant Time: Feb 27 00:32:01 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

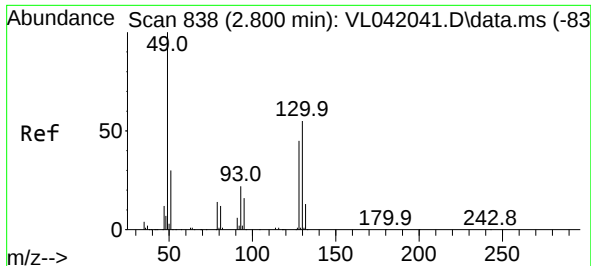
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	182891	10.240	ppbv	99
47) 1,1,2-Trichloroethane	6.606	97	137964	10.065	ppbv	93
48) Dibromochloromethane	7.406	129	218061	10.157	ppbv	99
49) Bromoform	9.496	173	185761	9.964	ppbv	98
50) 4-Methyl-2-Pentanone	5.774	43	405288	11.837	ppbv	97
51) 2-Hexanone	7.454	43	330554	14.028	ppbv #	98
52) Tetrachloroethene	8.241	164	119036	9.775	ppbv	95
53) Toluene	6.949	91	398443	10.022	ppbv	99
54) 1,2-Dibromoethane	7.671	107	183074	9.879	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.940	131	168838	10.314	ppbv	100
57) Chlorobenzene	8.936	112	309702	10.313	ppbv	99
58) Ethyl Benzene	9.367	91	561460	10.526	ppbv	99
59) m/p-Xylene	9.545	91	893078m	21.040	ppbv	
60) o-Xylene	9.975	91	449623	10.537	ppbv	99
61) Styrene	9.885	104	211787	10.557	ppbv	99
62) Isopropylbenzene	10.552	105	664649	10.400	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.975	83	292489	10.408	ppbv	100
64) n-propylbenzene	11.001	120	180511	10.768	ppbv	100
65) tert-Butylbenzene	11.542	119	591673	10.173	ppbv	98
66) Benzyl Chloride	11.626	91	40834	9.201	ppbv	96
67) sec-Butylbenzene	11.778	105	852278	10.246	ppbv	99
69) p-Isopropyltoluene	11.937	119	700437	10.584	ppbv	99
70) n-Butylbenzene	12.293	91	732089	10.837	ppbv	99
71) 2-Chlorotoluene	10.911	91	509698	10.346	ppbv	100
72) 4-Ethyltoluene	11.137	105	557470	10.700	ppbv	99
73) 1,3,5-Trimethylbenzene	11.215	105	471475	10.432	ppbv	99
74) 1,2,4-Trimethylbenzene	11.548	105	508162	9.985	ppbv	99
75) 1,3-Dichlorobenzene	11.620	146	301775	10.303	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	301091	10.354	ppbv	99
77) 1,2-Dichlorobenzene	11.956	146	295784	10.407	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	209616	9.478	ppbv	99
79) Naphthalene	13.523	128	456669	13.087	ppbv	99
80) Naphthalene,2-methyl-	14.468	142	163016	17.071	ppbv	99
81) 1,2,4-Trichlorobenzene	13.448	180	206336	10.610	ppbv	99

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



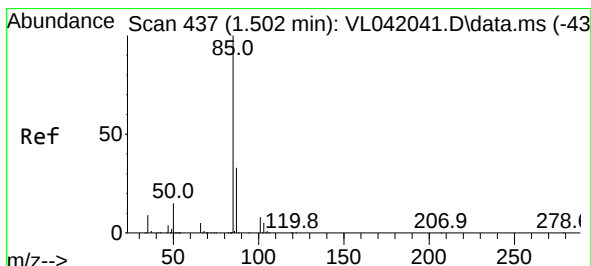
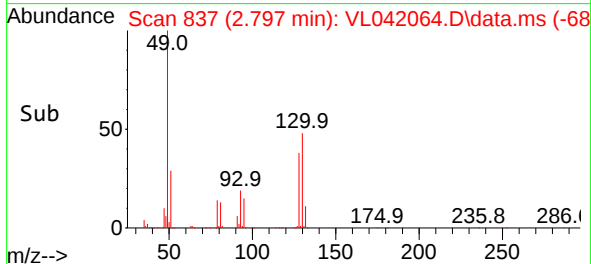
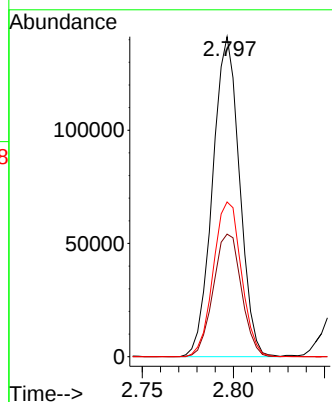
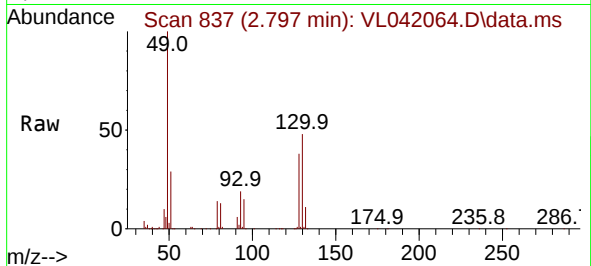
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 145120
Ion Ratio Lower Upper
49 100
128 40.1 21.6 64.8
130 50.3 27.8 83.4

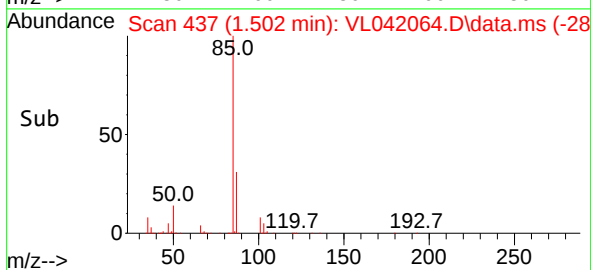
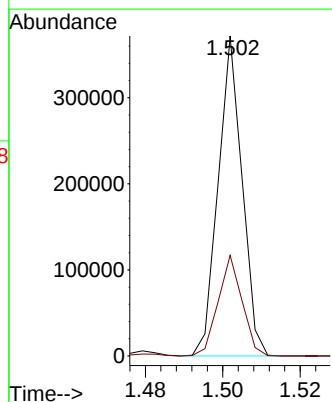
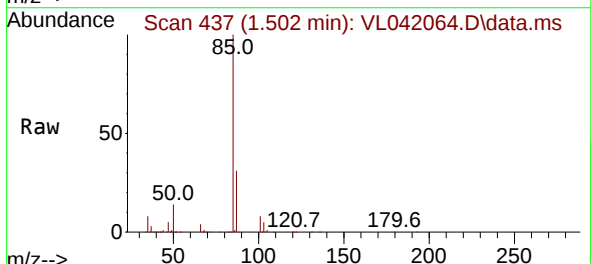
Manual Integrations
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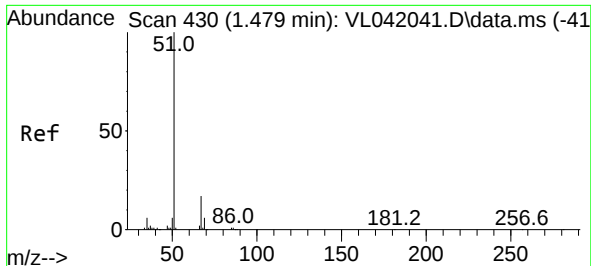
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#2
Dichlorodifluoromethane
Concen: 10.575 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

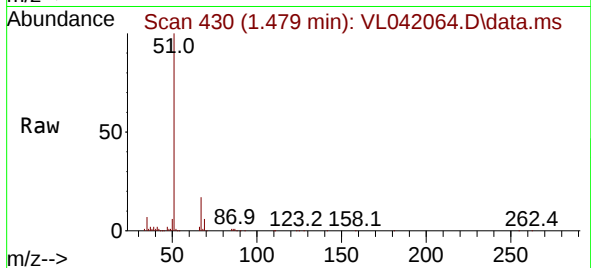
Tgt Ion: 85 Resp: 159582
Ion Ratio Lower Upper
85 100
87 31.5 26.4 39.6





#3
Chlorodifluoromethane
Concen: 9.718 ppbv
RT: 1.479 min Scan# 430
Delta R.T. -0.000 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

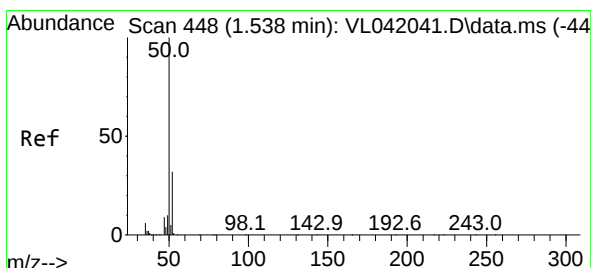
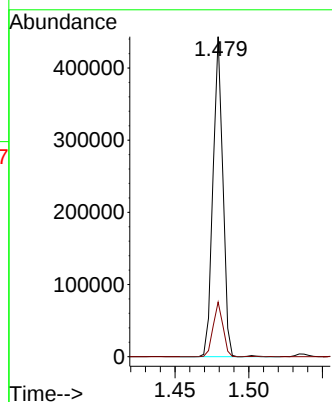
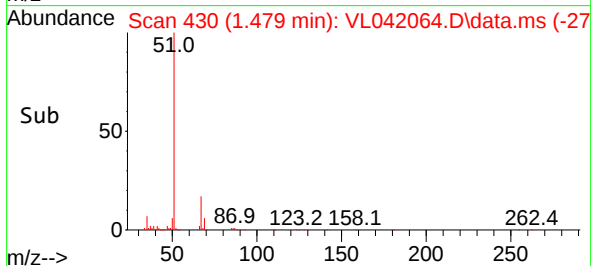
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



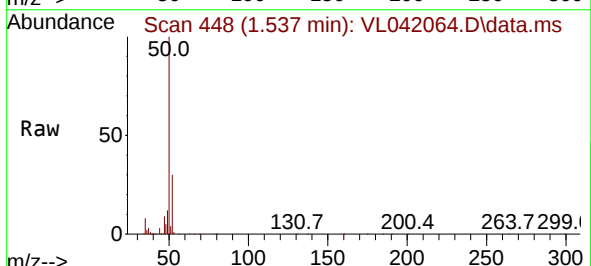
Tgt Ion: 51 Resp: 204969
Ion Ratio Lower Upper
51 100
67 17.2 13.7 20.5

Manual Integrations
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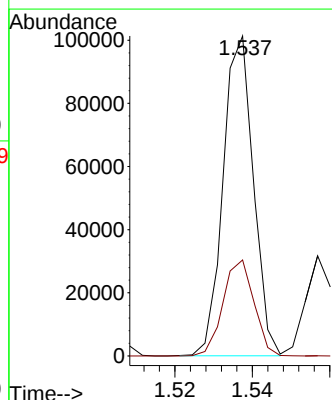
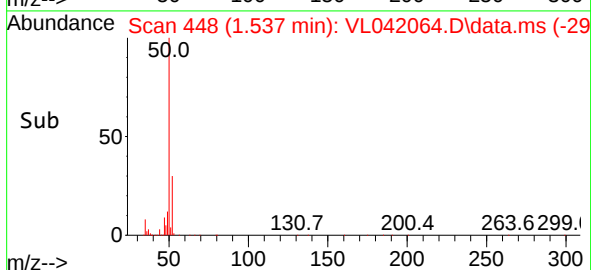
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

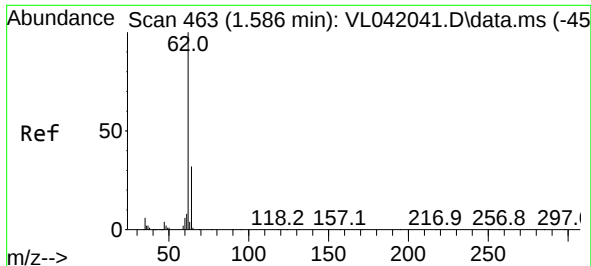


#4
Chloromethane
Concen: 9.861 ppbv
RT: 1.537 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29



Tgt Ion: 50 Resp: 55035
Ion Ratio Lower Upper
50 100
52 30.0 25.4 38.0





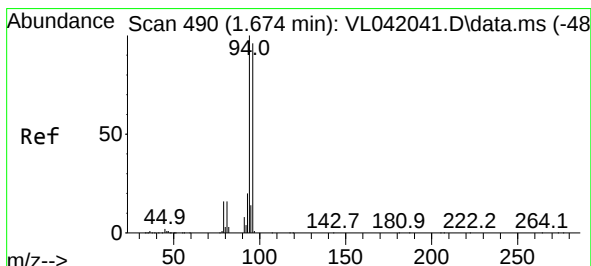
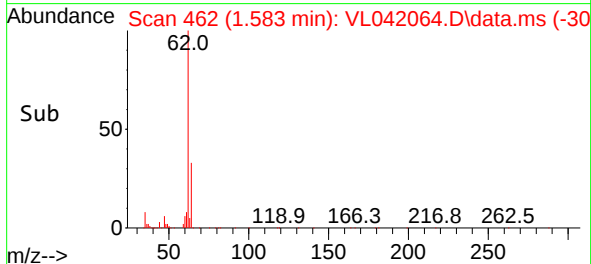
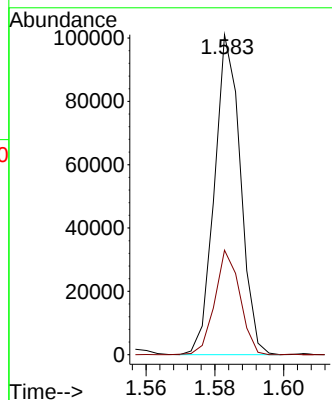
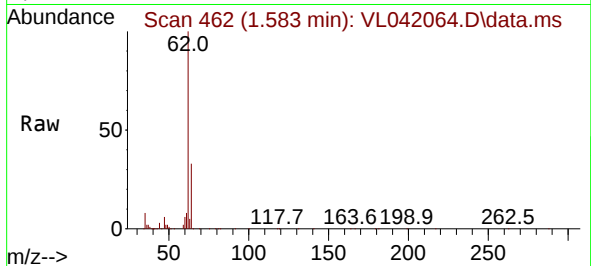
#5
 Vinyl Chloride
 Concen: 10.044 ppbv
 RT: 1.583 min Scan# 40
 Delta R.T. -0.004 min
 Lab File: VL042064.D
 Acq: 26 Feb 2025 16:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 62 Resp: 5302
 Ion Ratio Lower Upper
 62 100
 64 32.6 25.3 37.9

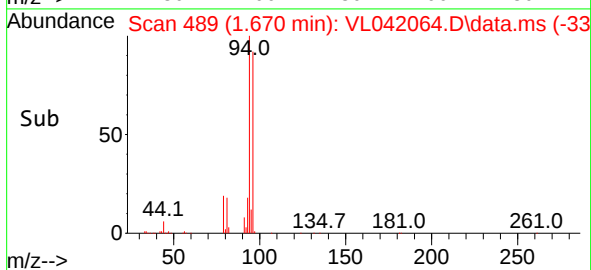
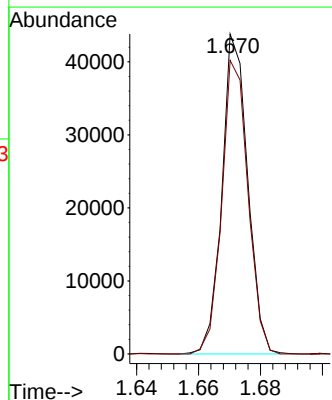
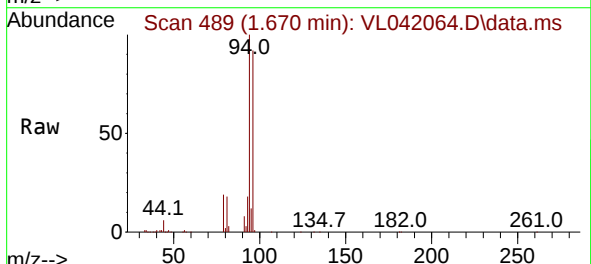
Manual Integrations
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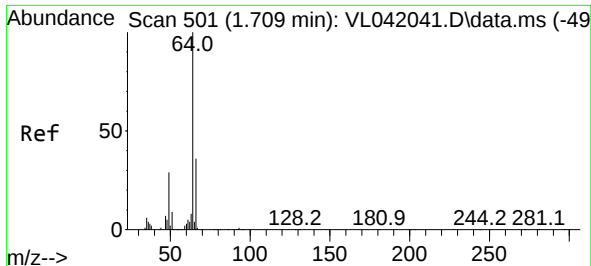
Reviewed By :Semsettin Yesilyurt 02/27/2025
 Supervised By :Mahesh Dadoda 02/27/2025



#6
 Bromomethane
 Concen: 10.069 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.004 min
 Lab File: VL042064.D
 Acq: 26 Feb 2025 16:29

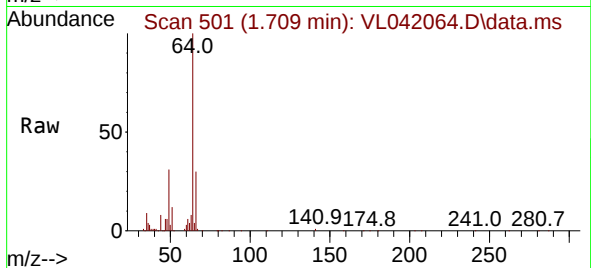
Tgt Ion: 94 Resp: 25310
 Ion Ratio Lower Upper
 94 100
 96 91.8 76.5 114.7





#7
Chloroethane
Concen: 9.828 ppbv
RT: 1.709 min Scan# 501
Delta R.T. -0.000 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

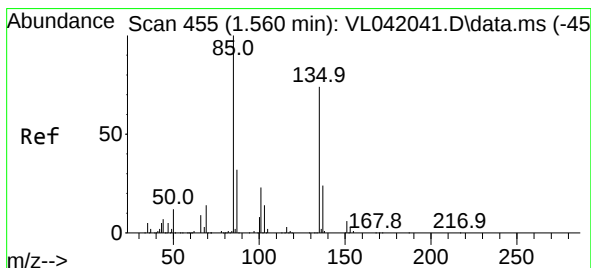
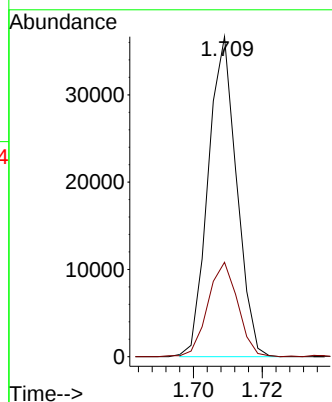
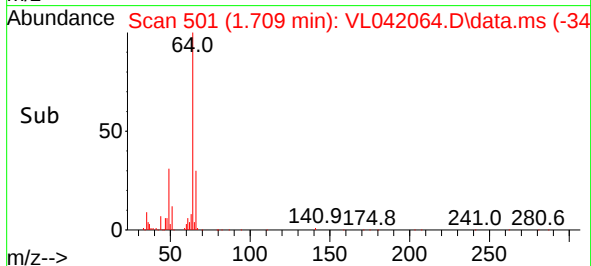
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 64 Resp: 21079
Ion Ratio Lower Upper
64 100
66 29.5 28.4 42.6

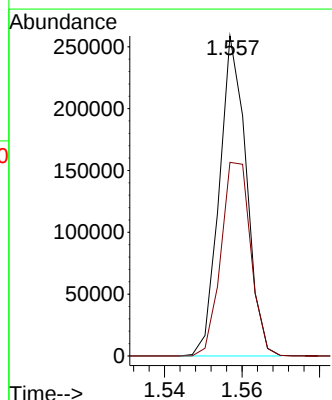
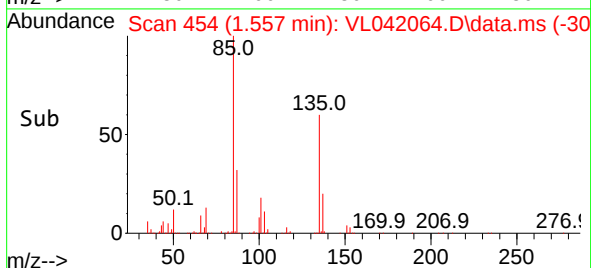
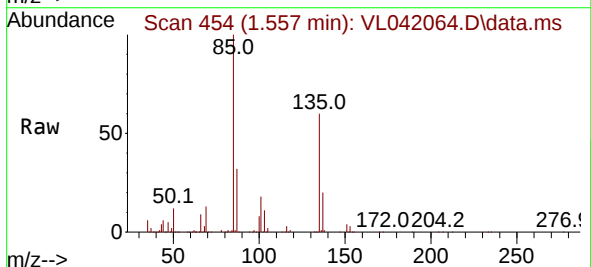
Manual Integrations
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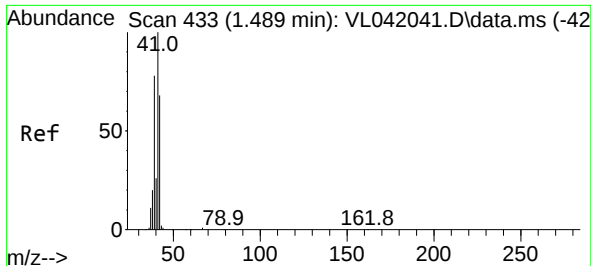
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#8
Dichlorotetrafluoroethane
Concen: 10.073 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

Tgt Ion: 85 Resp: 124960
Ion Ratio Lower Upper
85 100
135 67.1 54.6 81.8





#9

Propene

Concen: 9.524 ppbv

RT: 1.486 min Scan# 41

Delta R.T. -0.004 min

Lab File: VL042064.D

Acq: 26 Feb 2025 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 41 Resp: 8183

Ion Ratio Lower Upper

41 100

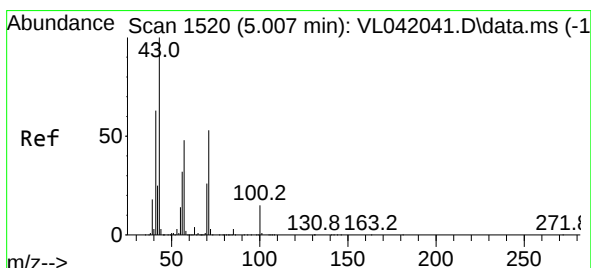
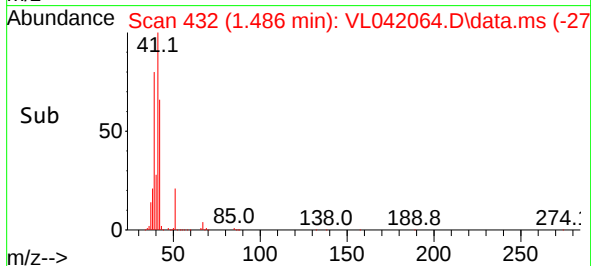
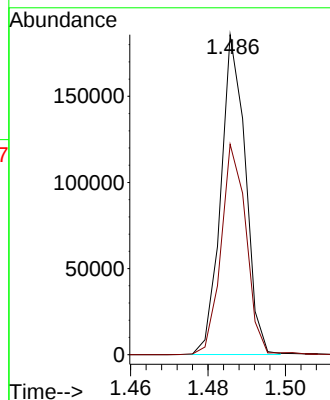
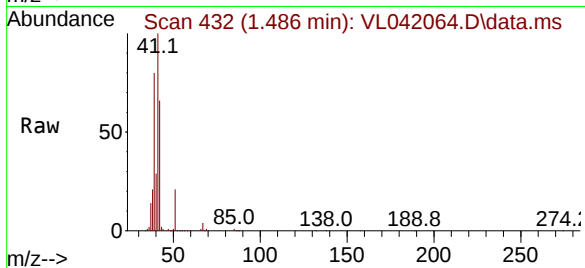
42 67.7 55.8 83.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2025

Supervised By :Mahesh Dadoda 02/27/2025



#10

Heptane

Concen: 9.371 ppbv

RT: 4.994 min Scan# 1516

Delta R.T. -0.013 min

Lab File: VL042064.D

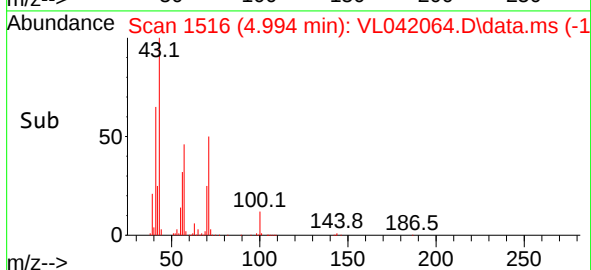
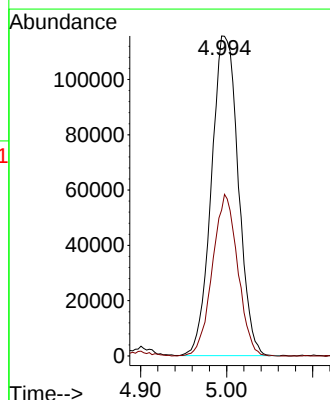
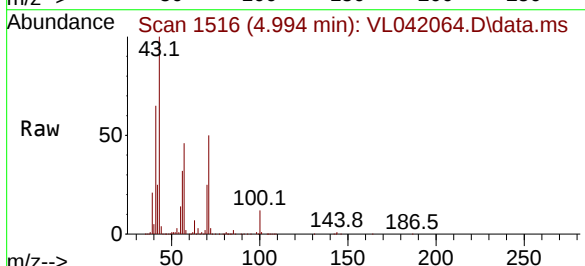
Acq: 26 Feb 2025 16:29

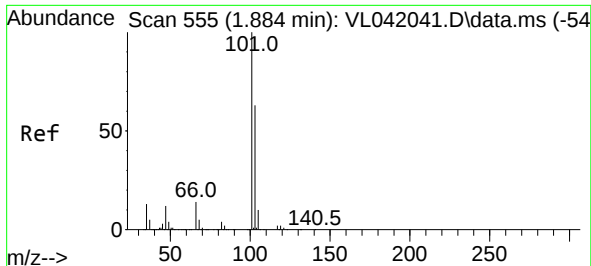
Tgt Ion: 43 Resp: 250710

Ion Ratio Lower Upper

43 100

57 47.6 39.4 59.0





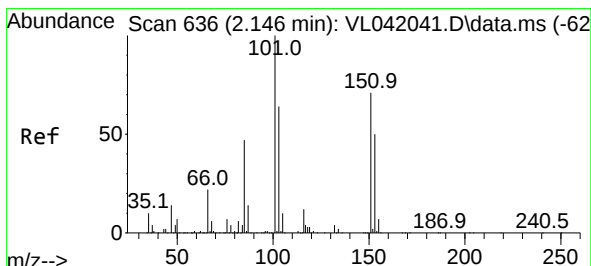
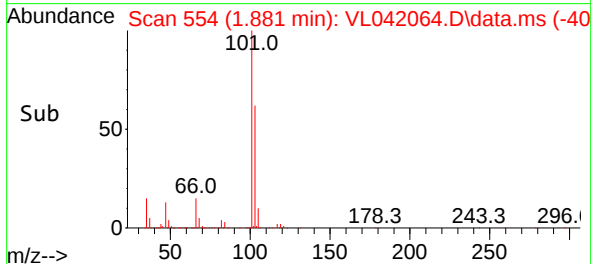
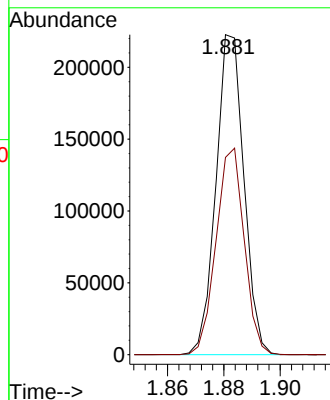
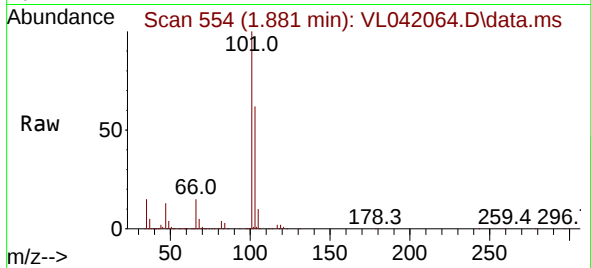
#11
Trichlorofluoromethane
Concen: 10.173 ppbv
RT: 1.881 min Scan# 511
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:101 Resp: 153827
Ion Ratio Lower Upper
101 100
103 61.6 50.6 75.8

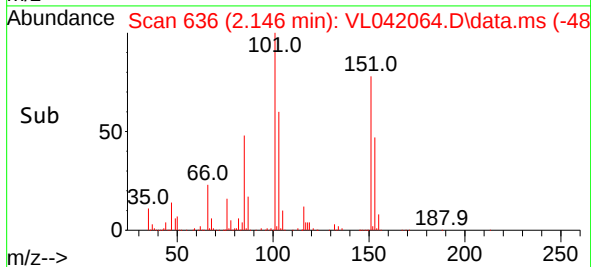
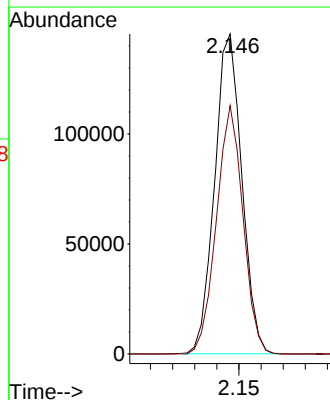
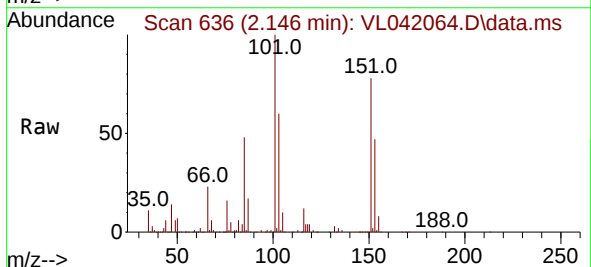
Manual Integrations
APPROVED

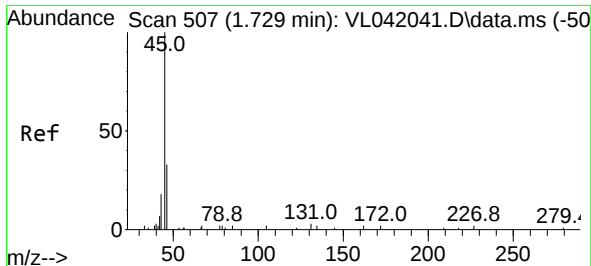
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.301 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.000 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

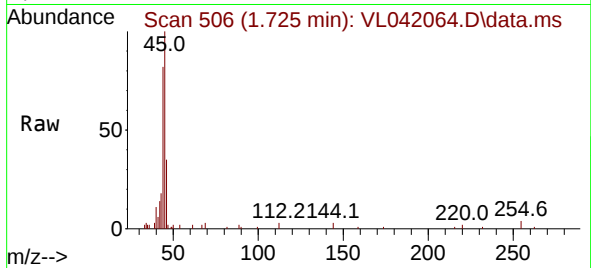
Tgt Ion:101 Resp: 124247
Ion Ratio Lower Upper
101 100
151 75.7 62.6 94.0





#13
Ethanol
Concen: 5.021 ppbv
RT: 1.725 min Scan# 507
Delta R.T. -0.003 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

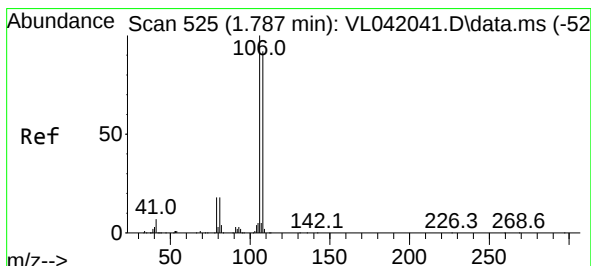
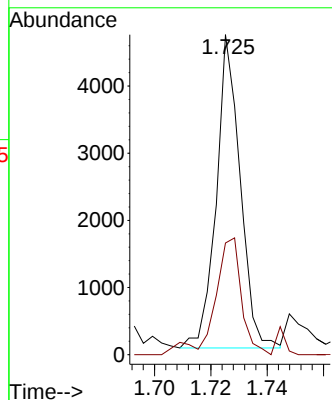
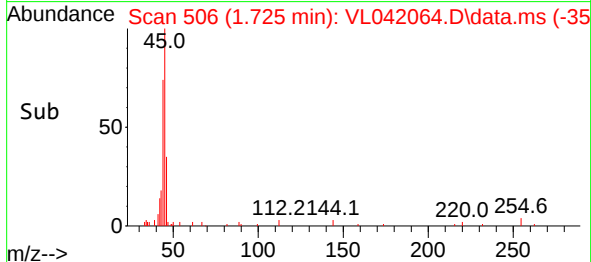
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



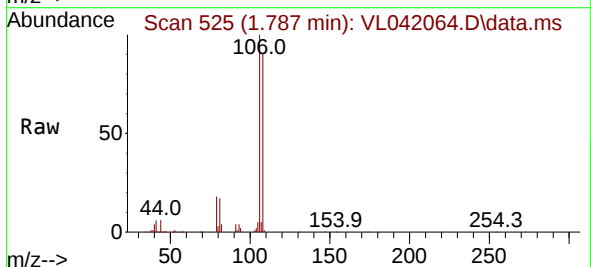
Tgt Ion: 45 Resp: 2739
Ion Ratio Lower Upper
45 100
46 45.2 17.1 68.3

Manual Integrations
APPROVED

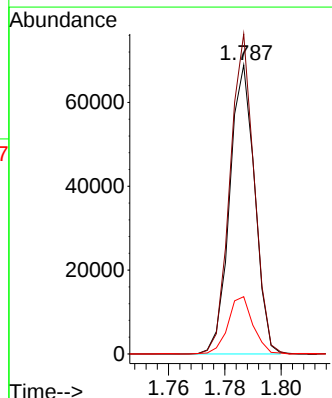
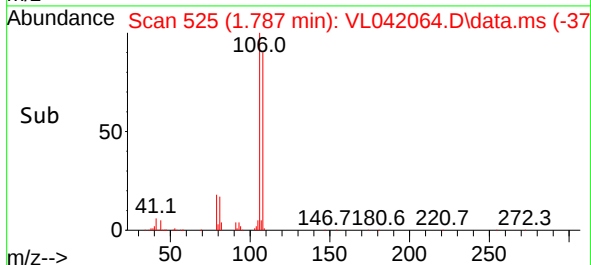
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

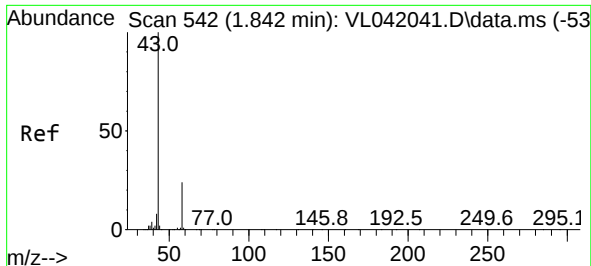


#14
Bromoethene
Concen: 9.977 ppbv
RT: 1.787 min Scan# 525
Delta R.T. -0.000 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29



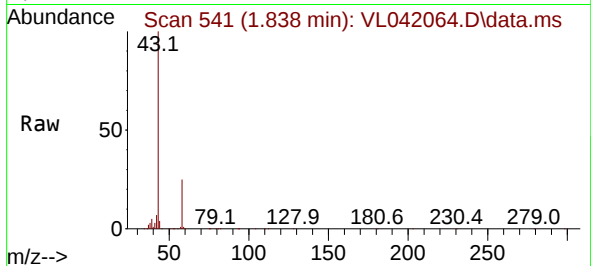
Tgt Ion:108 Resp: 42497
Ion Ratio Lower Upper
108 100
106 106.4 85.4 128.0
79 20.1 16.5 24.7





#15
Acetone
Concen: 9.152 ppbv
RT: 1.838 min Scan# 541
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

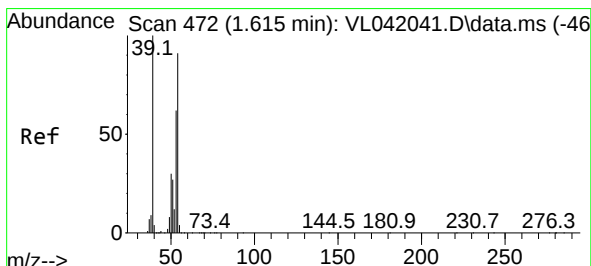
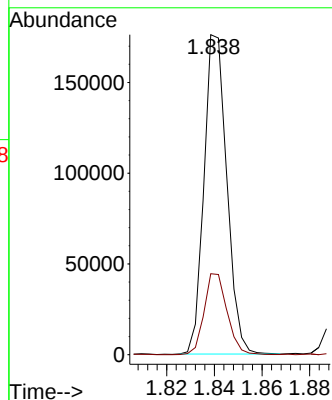
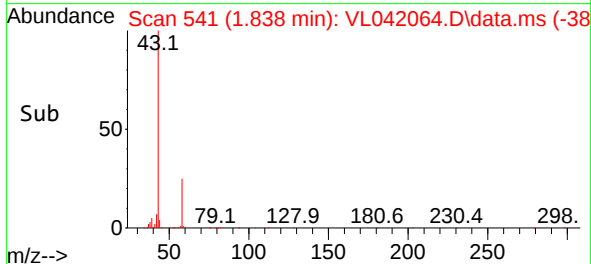
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 43 Resp: 117289
Ion Ratio Lower Upper
43 100
58 25.7 20.7 31.1

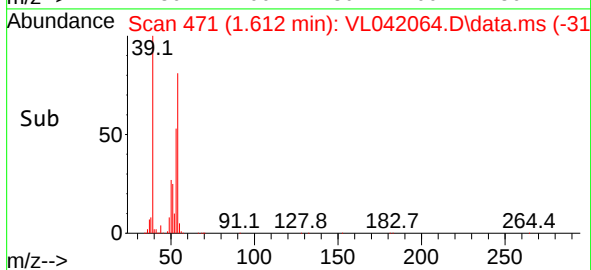
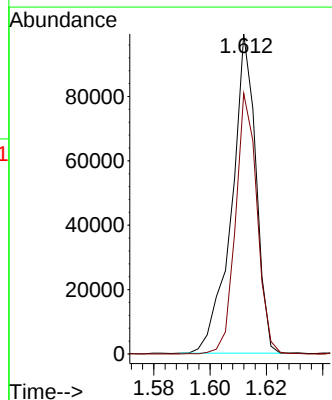
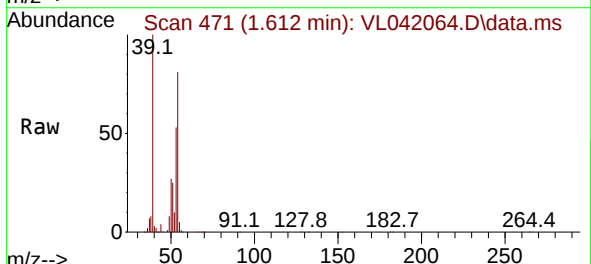
Manual Integrations
APPROVED

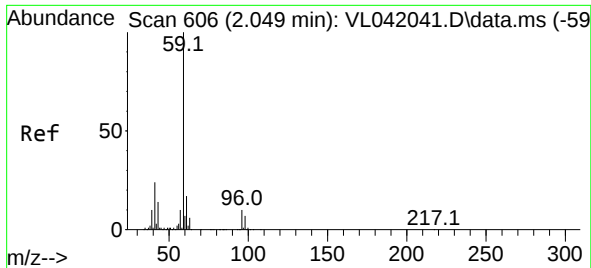
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#16
1,3-Butadiene
Concen: 9.966 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

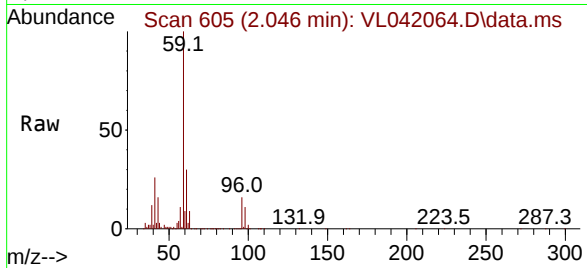
Tgt Ion: 39 Resp: 59439
Ion Ratio Lower Upper
39 100
54 72.3 59.6 89.4





#17
tert-Butyl alcohol
Concen: 8.840 ppbv
RT: 2.046 min Scan# 606
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

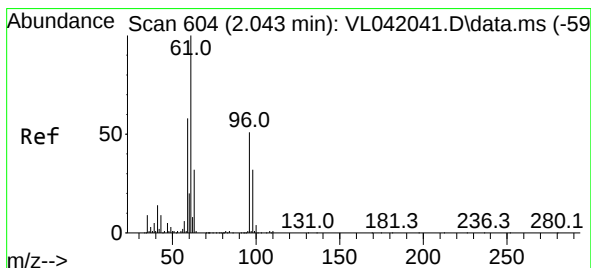
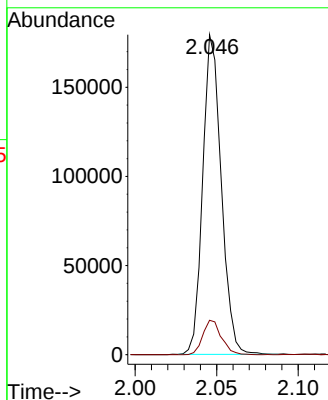
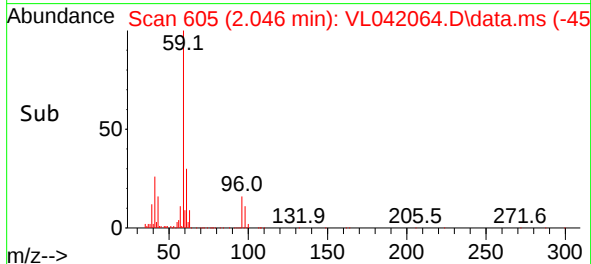
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



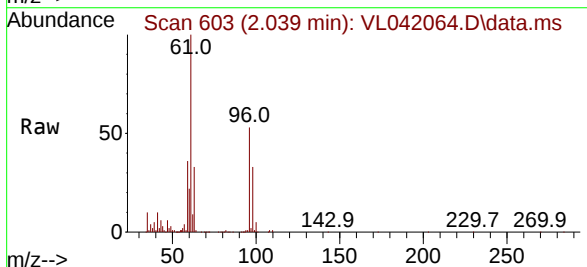
Tgt Ion: 59 Resp: 141752
Ion Ratio Lower Upper
59 100
57 10.8 9.3 13.9

Manual Integrations
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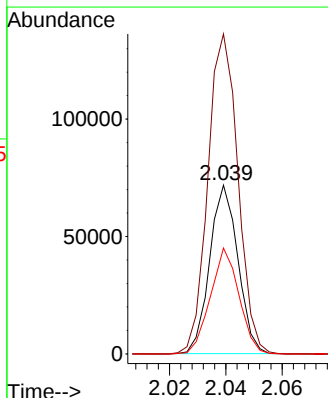
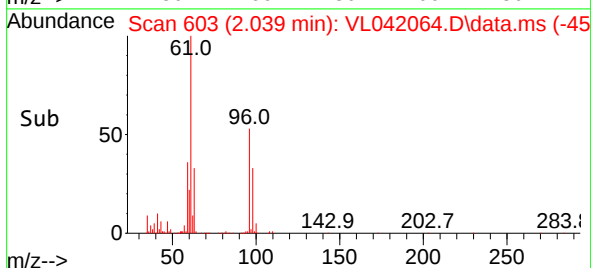
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

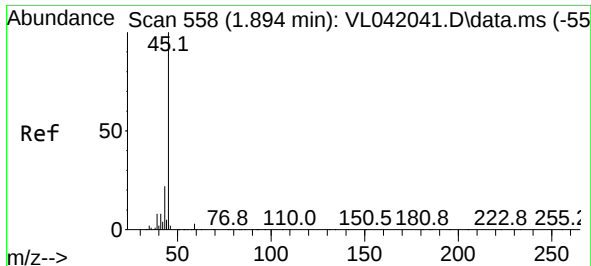


#18
1,1-Dichloroethene
Concen: 9.158 ppbv
RT: 2.039 min Scan# 603
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29



Tgt Ion: 96 Resp: 49911
Ion Ratio Lower Upper
96 100
61 189.6 156.0 234.0
98 62.8 49.4 74.2





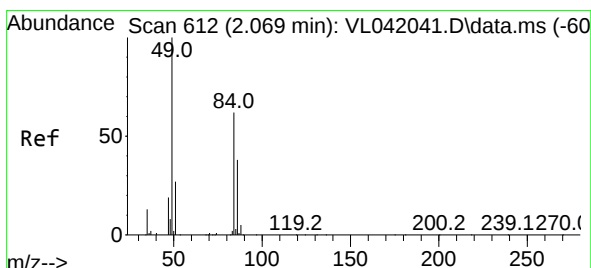
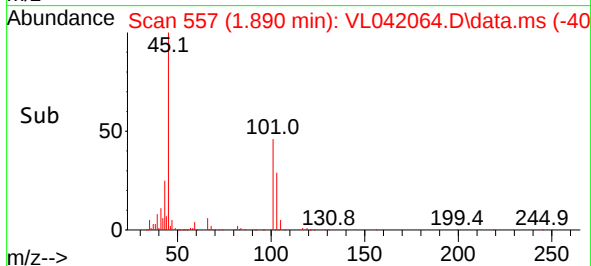
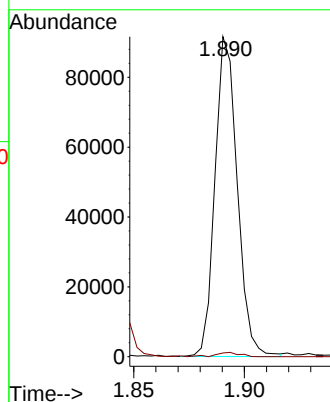
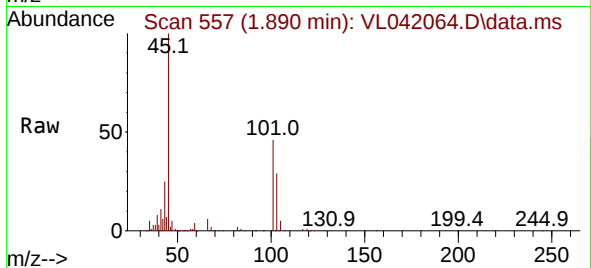
#19
Isopropyl Alcohol
Concen: 8.701 ppbv
RT: 1.890 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 64058
Ion Ratio Lower Upper
45 100
58 46.9 35.3 52.9

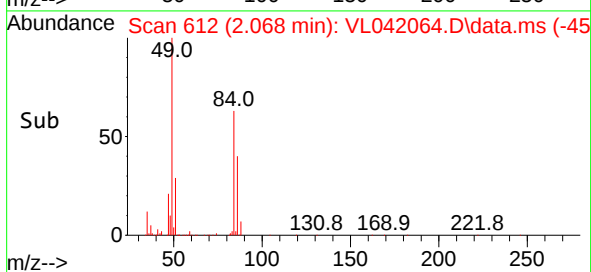
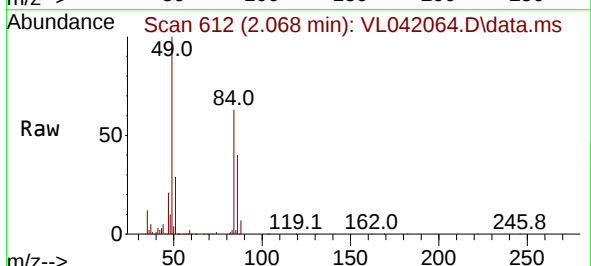
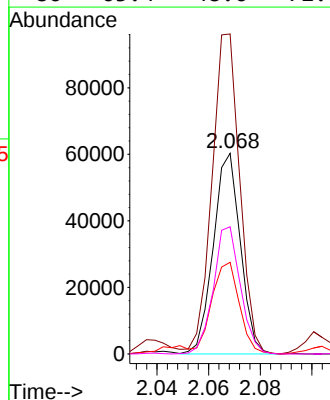
Manual Integrations
APPROVED

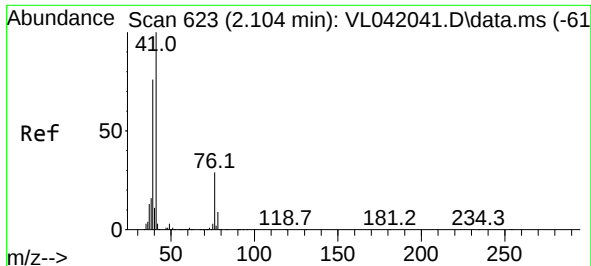
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#20
Methylene Chloride
Concen: 9.047 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

Tgt Ion: 84 Resp: 43857
Ion Ratio Lower Upper
84 100
49 159.4 130.0 195.0
51 45.7 37.4 56.0
86 63.4 48.6 72.8





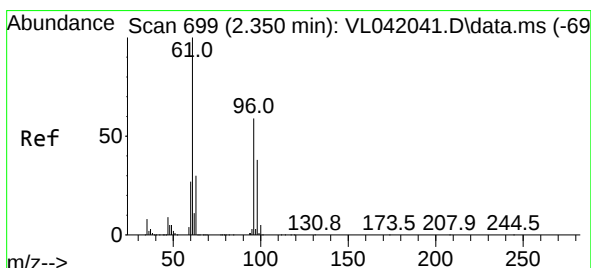
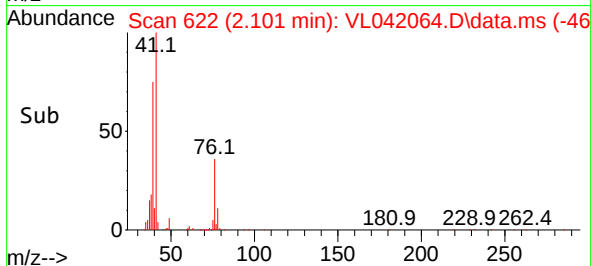
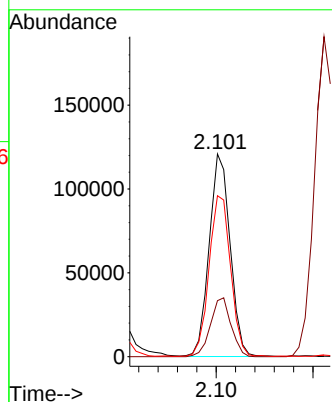
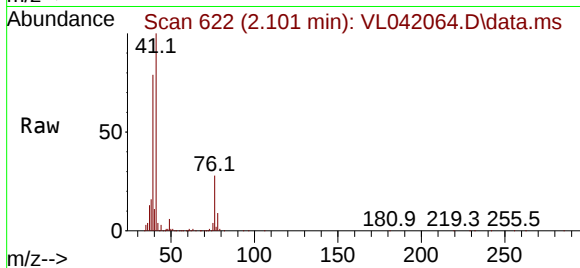
#21
 Allyl Chloride
 Concen: 9.832 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. -0.004 min
 Lab File: VL042064.D
 Acq: 26 Feb 2025 16:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 41 Resp: 91044
 Ion Ratio Lower Upper
 41 100
 76 28.5 23.8 35.6
 39 81.2 63.8 95.6

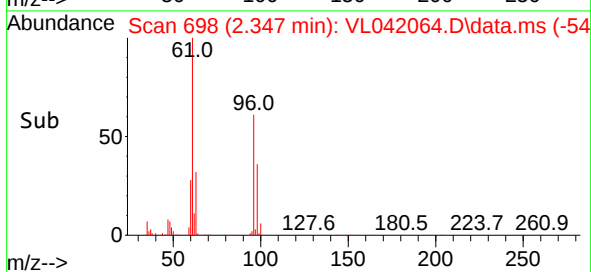
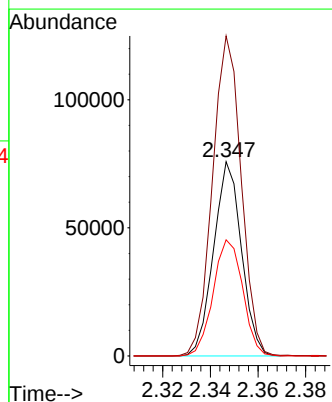
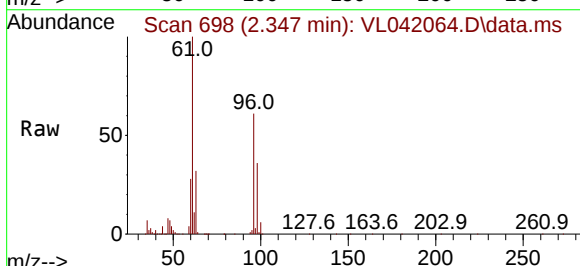
Manual Integrations
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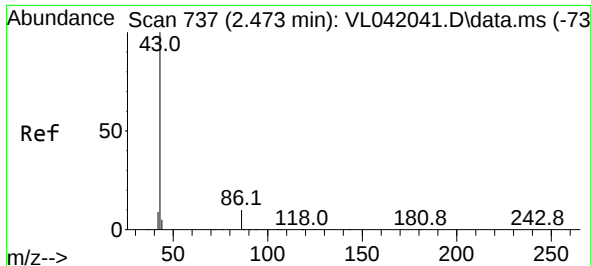
Reviewed By :Semsettin Yesilyurt 02/27/2025
 Supervised By :Mahesh Dadoda 02/27/2025



#22
 trans-1,2-Dichloroethene
 Concen: 9.701 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. -0.004 min
 Lab File: VL042064.D
 Acq: 26 Feb 2025 16:29

Tgt Ion: 96 Resp: 61633
 Ion Ratio Lower Upper
 96 100
 61 164.3 136.6 205.0
 98 59.8 51.8 77.6





#23
 Vinyl Acetate
 Concen: 7.461 ppbv
 RT: 2.470 min Scan# 719
 Delta R.T. -0.004 min
 Lab File: VL042064.D
 Acq: 26 Feb 2025 16:29

Instrument :

MSVOA_L

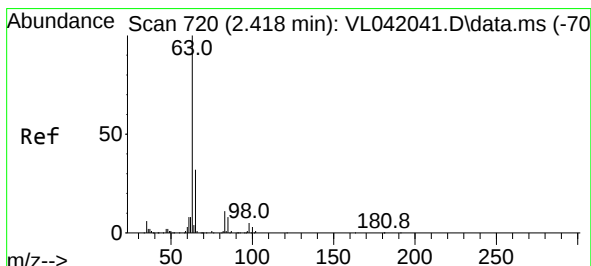
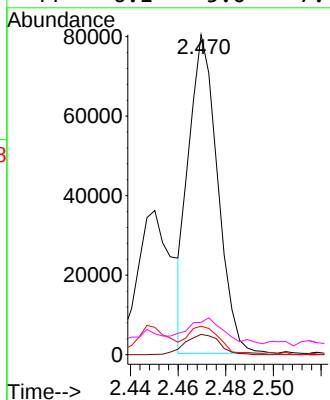
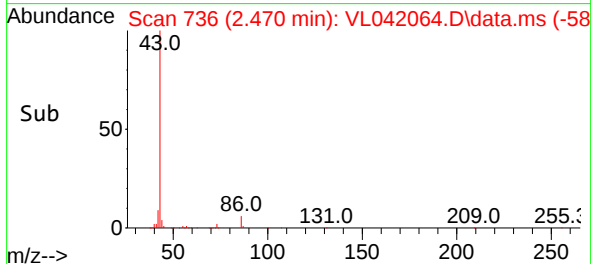
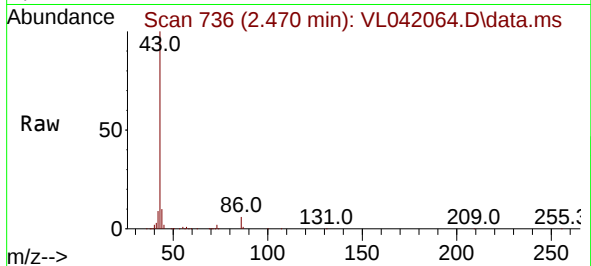
ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 6723
 Ion Ratio Lower Upper
 43 100
 86 6.4 7.0 10.4
 42 8.6 7.6 11.4
 44 6.1 5.0 7.4

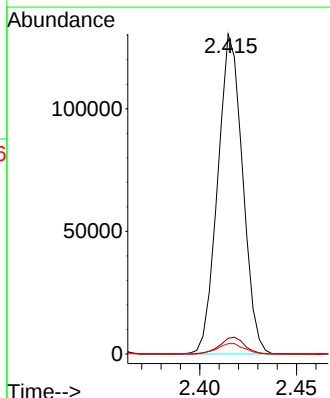
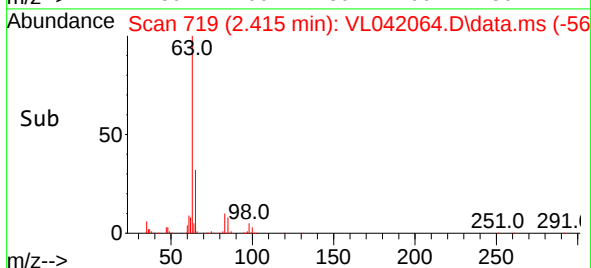
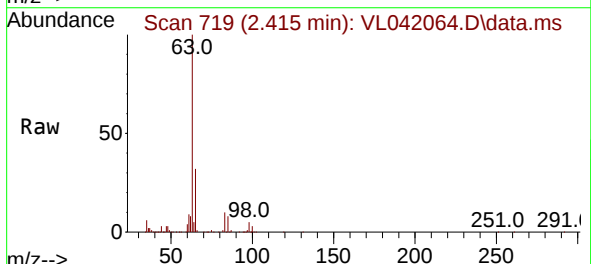
Manual Integrations
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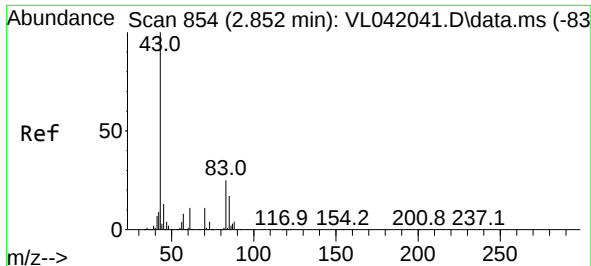
Reviewed By :Semsettin Yesilyurt 02/27/2025
 Supervised By :Mahesh Dadoda 02/27/2025



#24
 1,1-Dichloroethane
 Concen: 9.875 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. -0.004 min
 Lab File: VL042064.D
 Acq: 26 Feb 2025 16:29

Tgt Ion: 63 Resp: 116741
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.4 7.2
 100 3.2 1.7 5.0





#25

Ethyl Acetate

Concen: 9.826 ppbv

RT: 2.845 min Scan# 849

Delta R.T. -0.007 min

Lab File: VL042064.D

Acq: 26 Feb 2025 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 504050

Ion Ratio Lower Upper

43 100

45 10.0 8.1 12.1

61 8.9 7.2 10.8

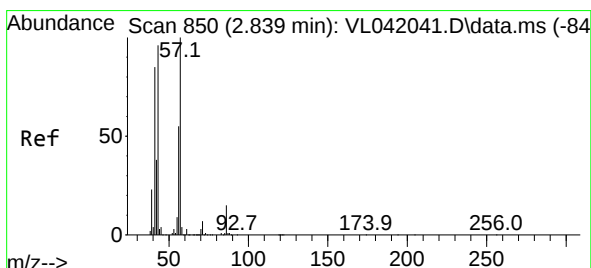
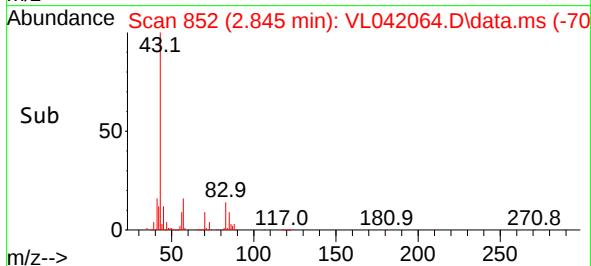
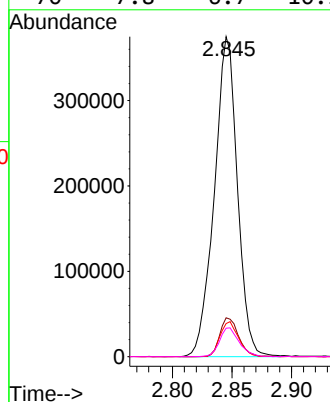
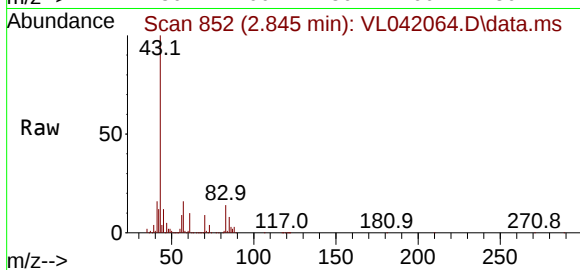
70 7.8 6.7 10.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/27/2025

Supervised By :Mahesh Dadoda 02/27/2025



#26

Hexane

Concen: 9.257 ppbv

RT: 2.835 min Scan# 849

Delta R.T. -0.003 min

Lab File: VL042064.D

Acq: 26 Feb 2025 16:29

Tgt Ion: 57 Resp: 191992

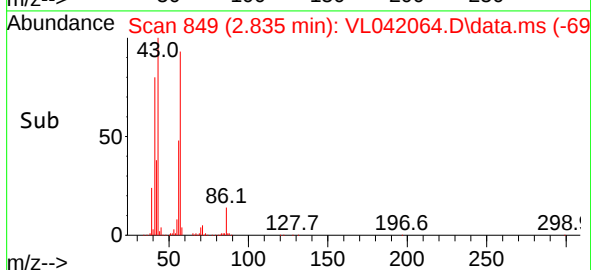
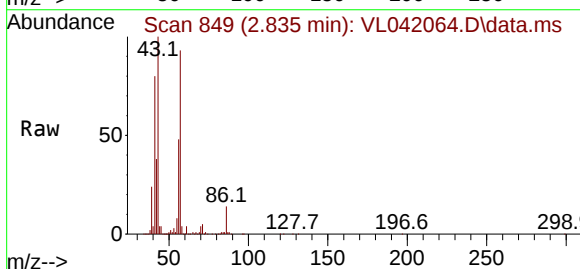
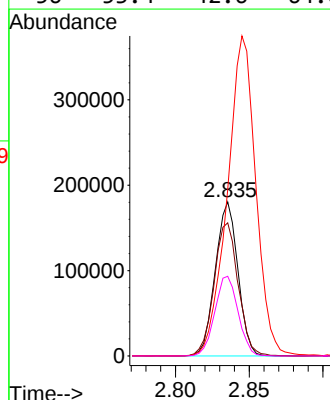
Ion Ratio Lower Upper

57 100

41 92.8 70.6 106.0

43 263.6 199.4 299.0

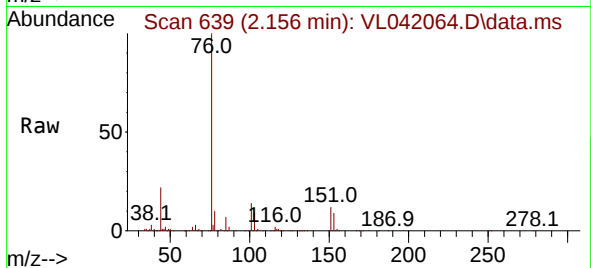
56 53.4 42.6 64.0





#27
Carbon Disulfide
Concen: 10.165 ppbv
RT: 2.156 min Scan# 61
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

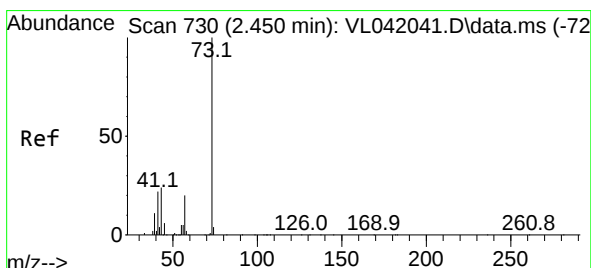
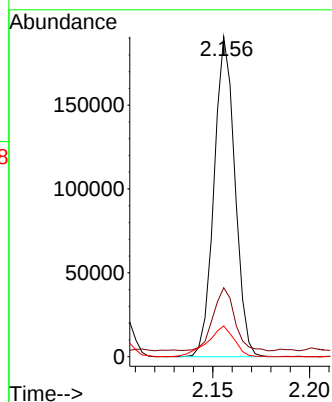
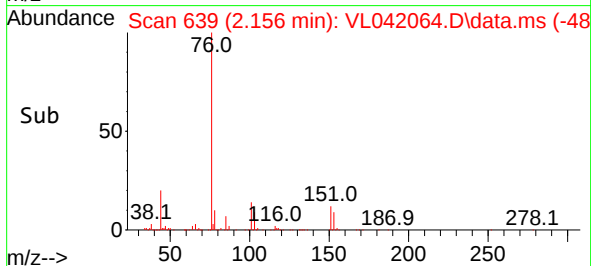
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 76 Resp: 142910
Ion Ratio Lower Upper
76 100
44 20.1 16.2 24.2
78 12.2 9.4 14.0

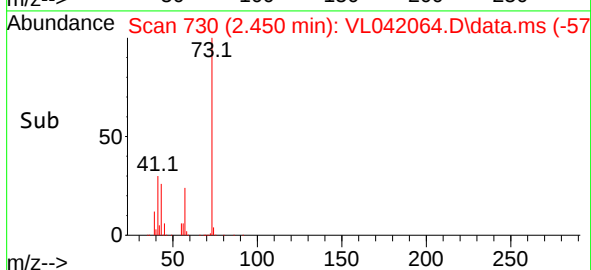
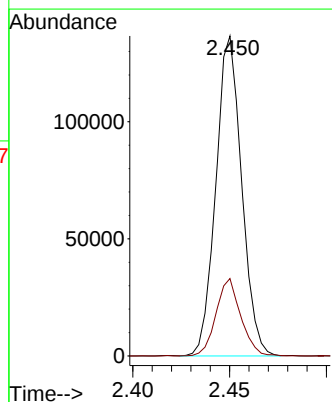
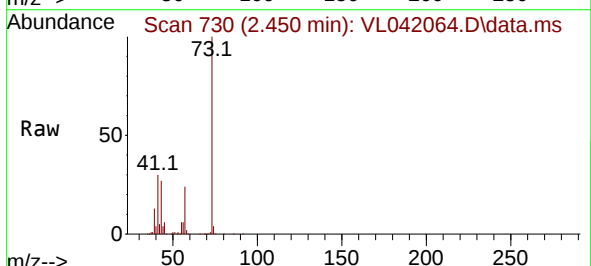
Manual Integrations
APPROVED

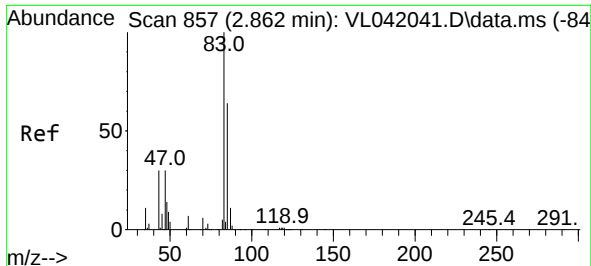
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#28
Methyl tert-Butyl Ether
Concen: 12.252 ppbv
RT: 2.450 min Scan# 730
Delta R.T. -0.000 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

Tgt Ion: 73 Resp: 126508
Ion Ratio Lower Upper
73 100
57 23.3 17.7 26.5





#29

Chloroform

Concen: 9.378 ppbv

RT: 2.858 min Scan# 81

Delta R.T. -0.004 min

Lab File: VL042064.D

Acq: 26 Feb 2025 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 83 Resp: 261772

Ion Ratio Lower Upper

83 100

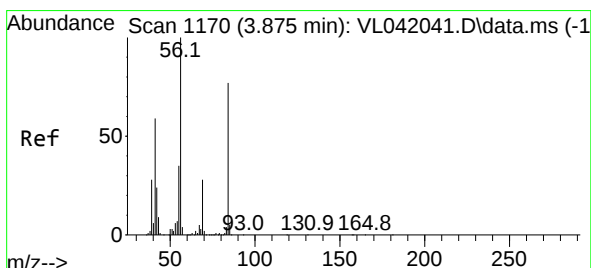
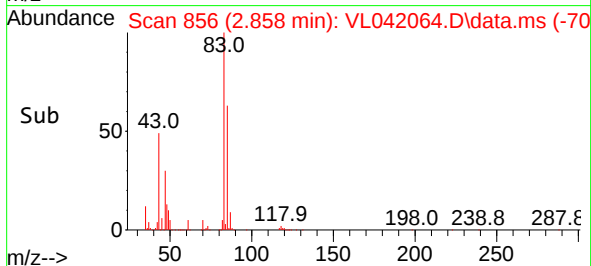
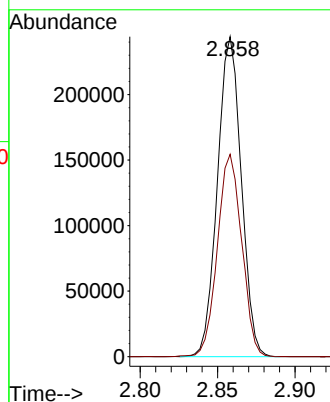
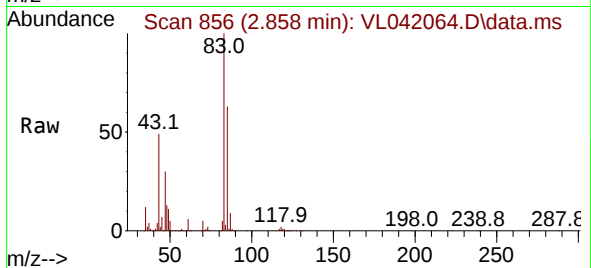
85 63.2 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2025

Supervised By :Mahesh Dadoda 02/27/2025



#30

Cyclohexane

Concen: 8.855 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. -0.004 min

Lab File: VL042064.D

Acq: 26 Feb 2025 16:29

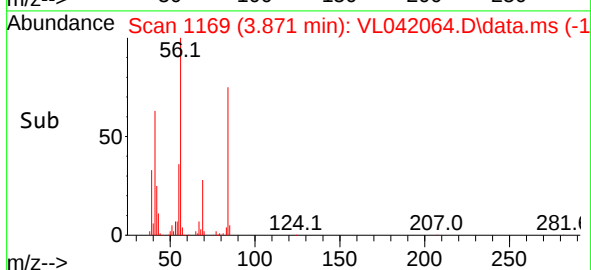
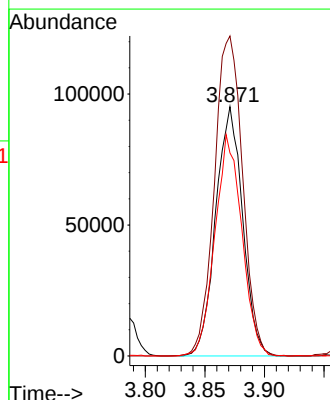
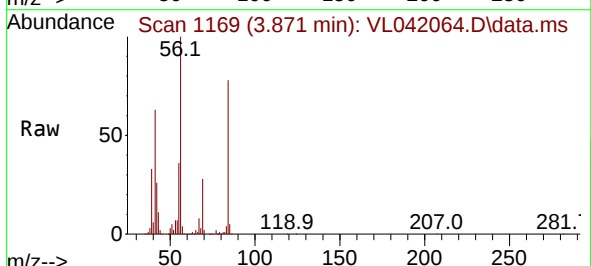
Tgt Ion: 84 Resp: 149052

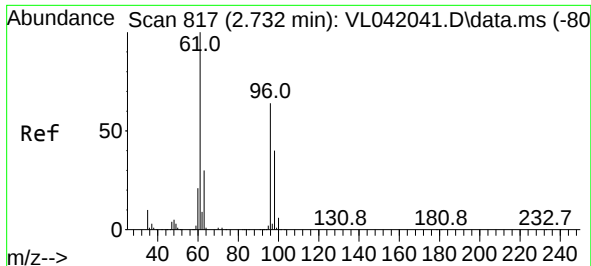
Ion Ratio Lower Upper

84 100

56 135.0 101.5 152.3

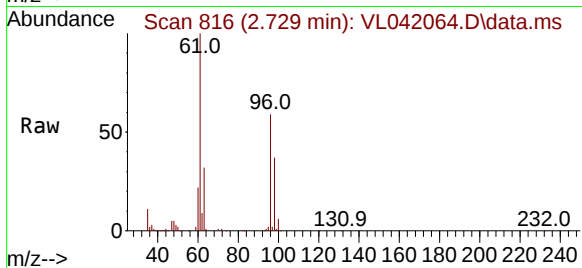
41 88.9 62.6 93.8





#31
 cis-1,2-Dichloroethene
 Concen: 9.344 ppbv
 RT: 2.729 min Scan# 816
 Delta R.T. -0.004 min
 Lab File: VL042064.D
 Acq: 26 Feb 2025 16:29

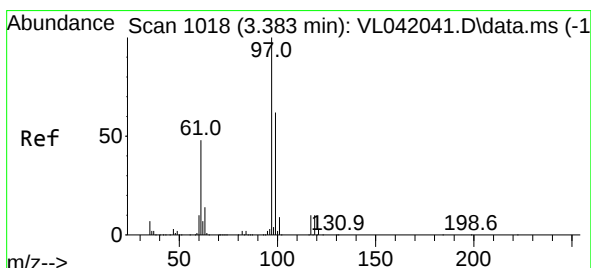
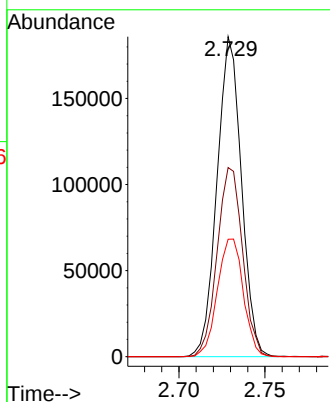
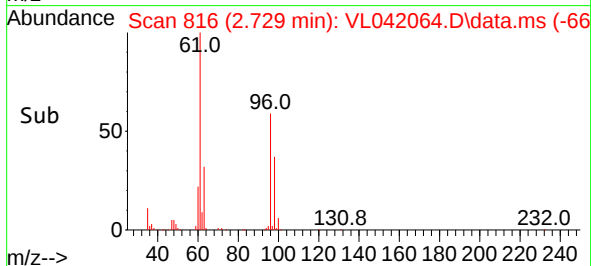
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



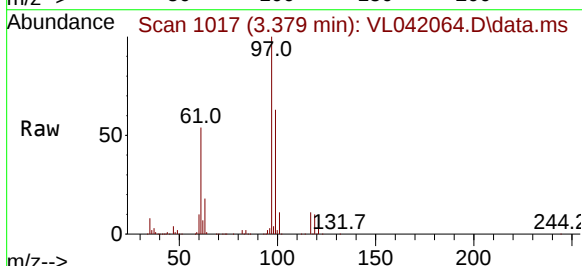
Tgt Ion: 61 Resp: 18344
 Ion Ratio Lower Upper
 61 100
 96 59.1 51.5 77.3
 98 36.7 32.0 48.0

Manual Integrations
 APPROVED

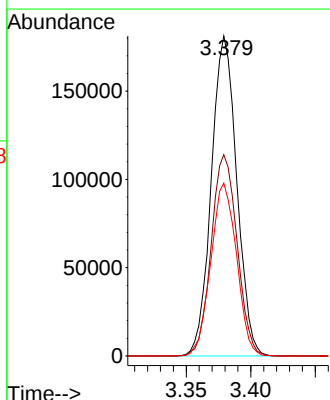
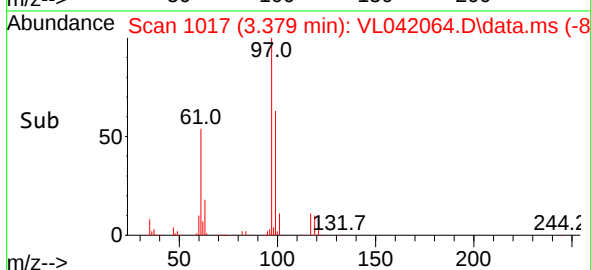
Reviewed By :Semsettin Yesilyurt 02/27/2025
 Supervised By :Mahesh Dadoda 02/27/2025

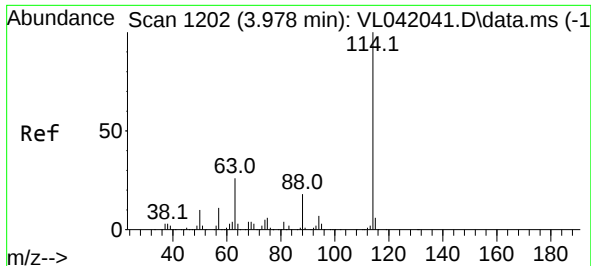


#32
 1,1,1-Trichloroethane
 Concen: 9.162 ppbv
 RT: 3.379 min Scan# 1017
 Delta R.T. -0.004 min
 Lab File: VL042064.D
 Acq: 26 Feb 2025 16:29



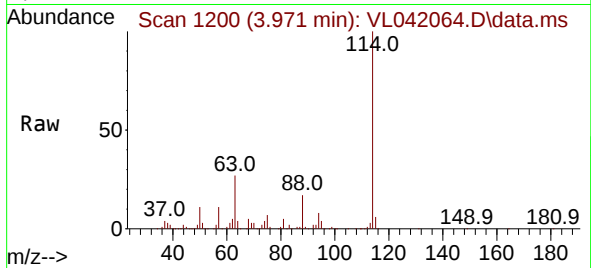
Tgt Ion: 97 Resp: 248076
 Ion Ratio Lower Upper
 97 100
 99 63.9 49.8 74.6
 61 54.7 38.9 58.3





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.971 min Scan# 1114
Delta R.T. -0.007 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

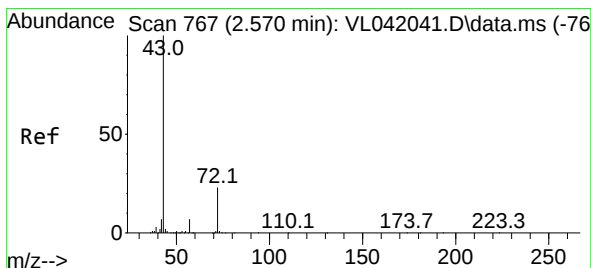
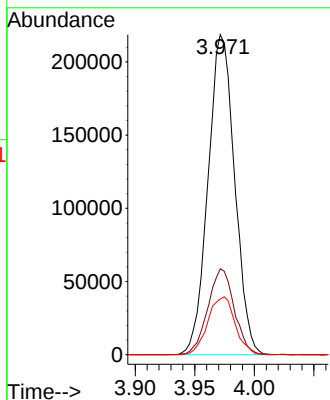
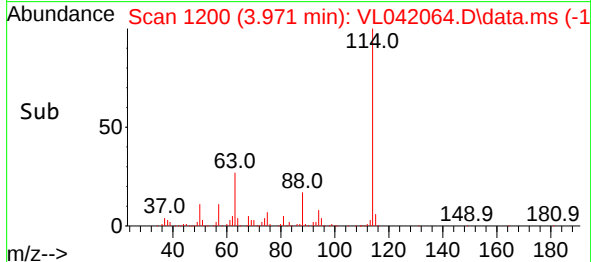
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion:114 Resp: 339812
Ion Ratio Lower Upper
114 100
63 26.6 20.1 30.1
88 18.5 14.3 21.5

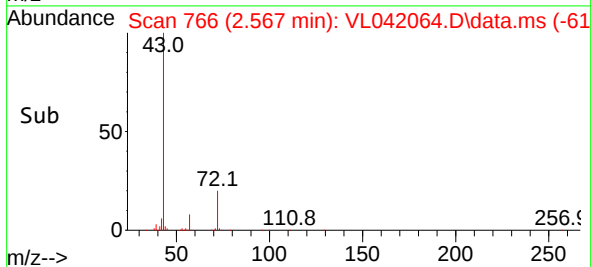
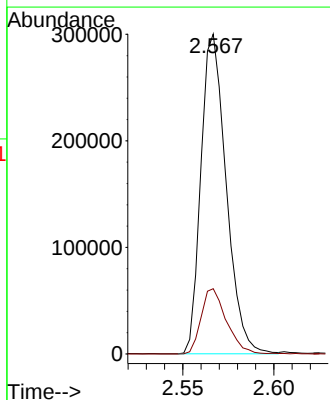
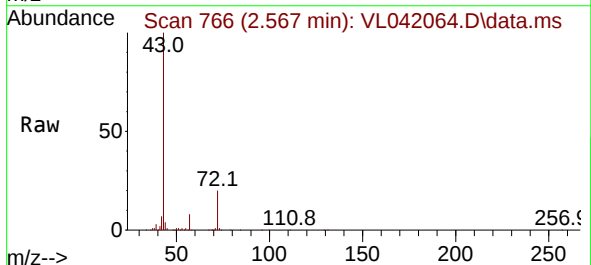
Manual Integrations
APPROVED

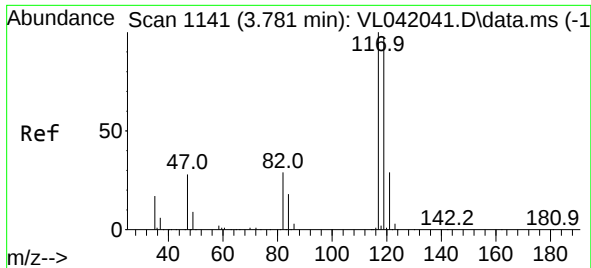
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#34
2-Butanone
Concen: 10.963 ppbv
RT: 2.567 min Scan# 766
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

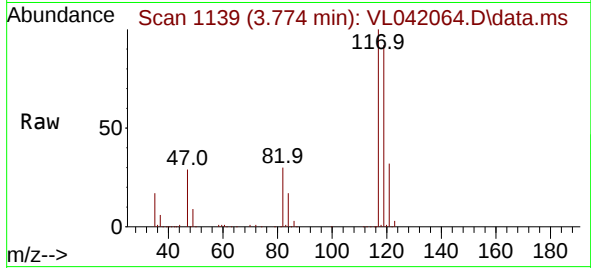
Tgt Ion: 43 Resp: 290227
Ion Ratio Lower Upper
43 100
72 20.6 18.5 27.7





#35
Carbon Tetrachloride
Concen: 10.747 ppbv
RT: 3.774 min Scan# 1139
Delta R.T. -0.007 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

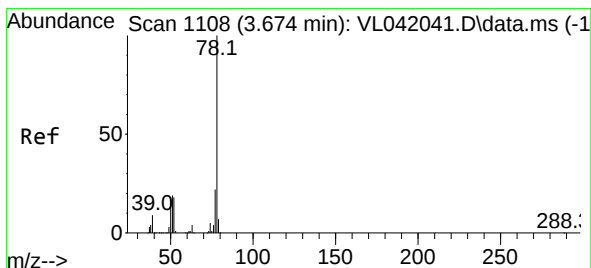
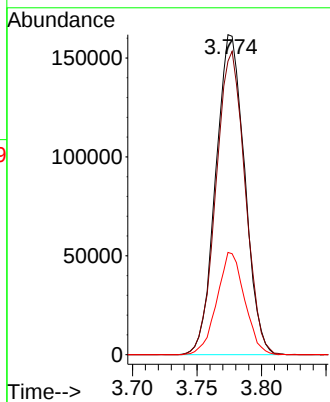
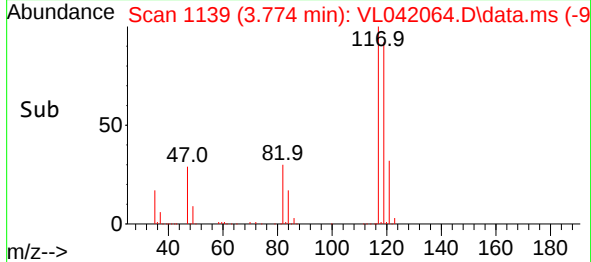
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



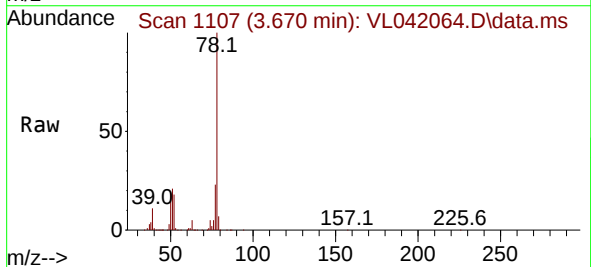
Tgt Ion:117 Resp: 251828
Ion Ratio Lower Upper
117 100
119 91.7 77.8 116.8
121 32.0 23.4 35.0

Manual Integrations
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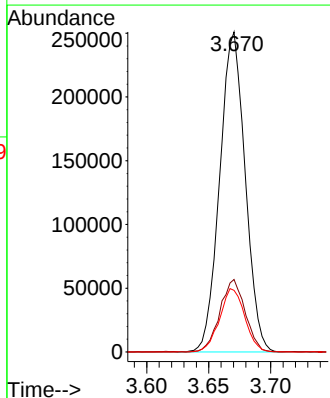
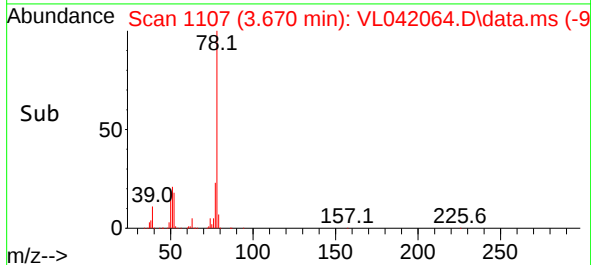
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

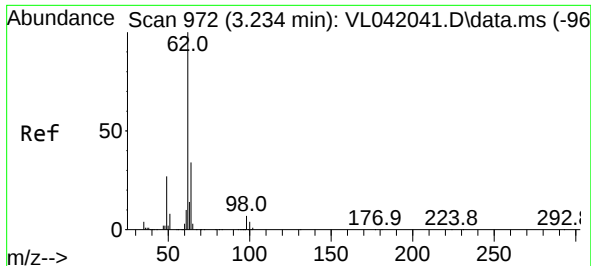


#36
Benzene
Concen: 10.105 ppbv
RT: 3.670 min Scan# 1107
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29



Tgt Ion: 78 Resp: 359459
Ion Ratio Lower Upper
78 100
77 22.7 17.7 26.5
50 19.2 13.9 20.9





#37

1,2-Dichloroethane

Concen: 10.859 ppbv

RT: 3.227 min Scan# 91

Delta R.T. -0.007 min

Lab File: VL042064.D

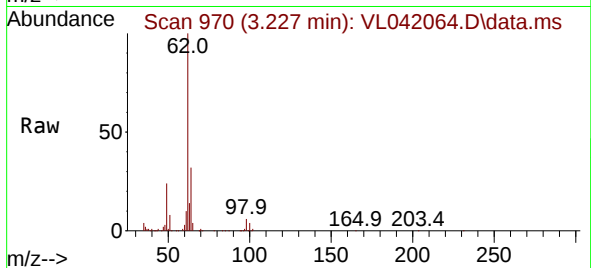
Acq: 26 Feb 2025 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion: 62 Resp: 214170

Ion Ratio Lower Upper

62 100

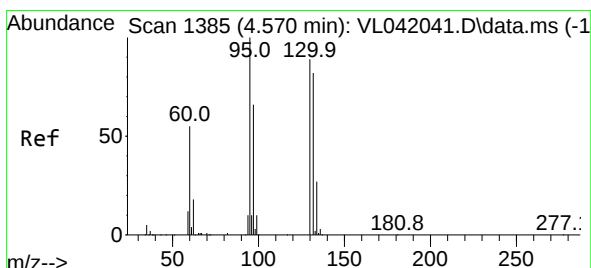
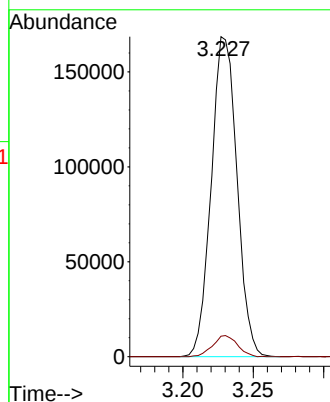
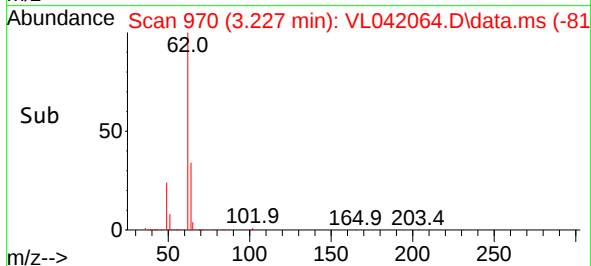
98 6.3 5.7 8.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2025

Supervised By :Mahesh Dadoda 02/27/2025



#38

Trichloroethene

Concen: 9.466 ppbv

RT: 4.564 min Scan# 1383

Delta R.T. -0.007 min

Lab File: VL042064.D

Acq: 26 Feb 2025 16:29

Tgt Ion:130 Resp: 137505

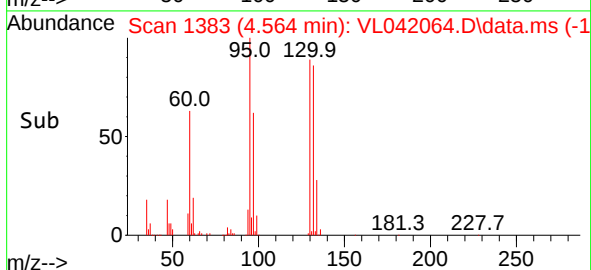
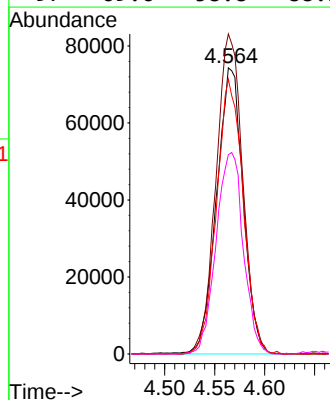
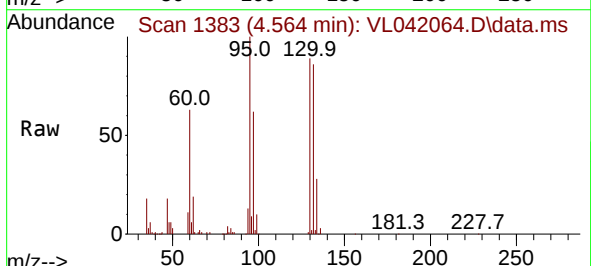
Ion Ratio Lower Upper

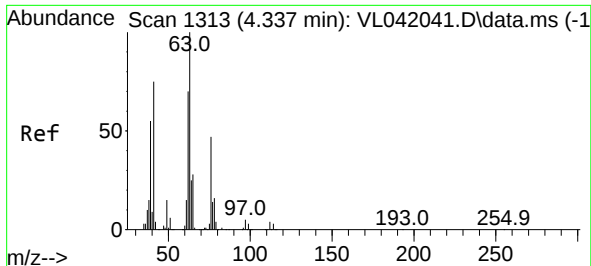
130 100

95 111.9 89.5 134.3

132 96.0 73.8 110.6

97 69.6 58.8 88.2





#39

1,2-Dichloropropane

Concen: 10.222 ppbv

RT: 4.331 min Scan# 1311

Delta R.T. -0.007 min

Lab File: VL042064.D

Acq: 26 Feb 2025 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

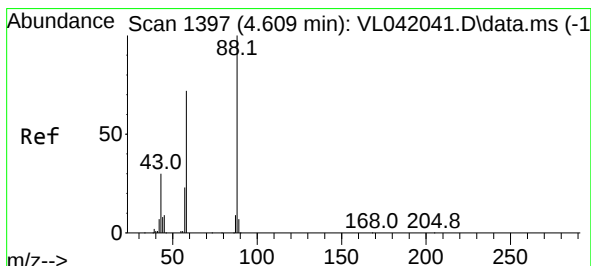
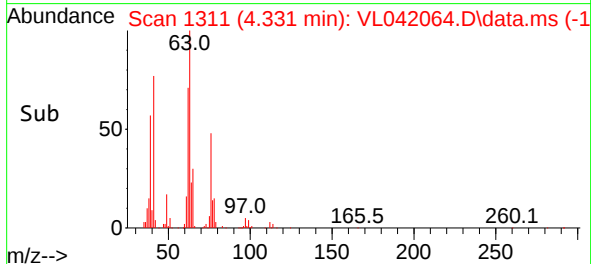
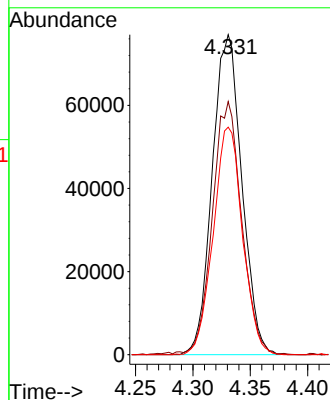
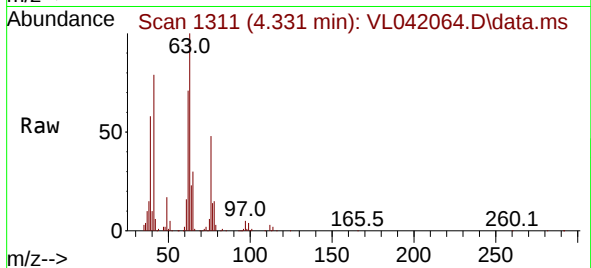
Tgt Ion: 63 Resp: 138024

Ion	Ratio	Lower	Upper
63	100		
41	78.8	60.1	90.1
62	71.0	55.8	83.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#40

1,4-Dioxane

Concen: 10.086 ppbv m

RT: 4.596 min Scan# 1393

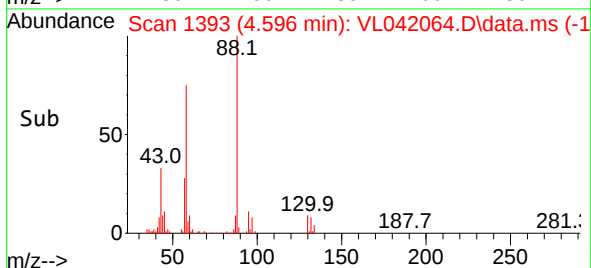
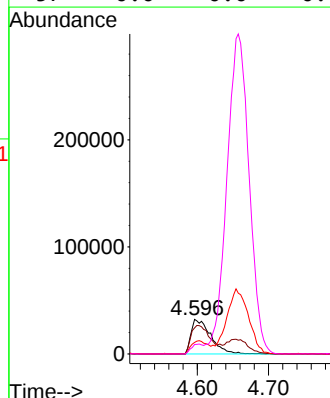
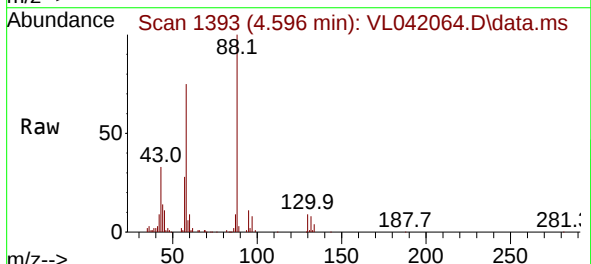
Delta R.T. -0.013 min

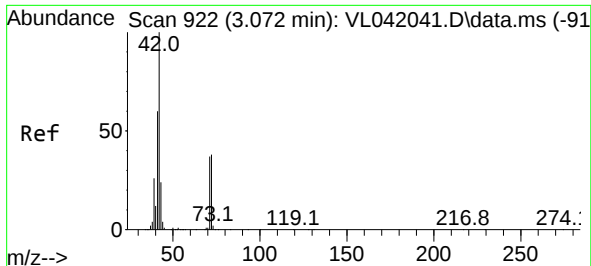
Lab File: VL042064.D

Acq: 26 Feb 2025 16:29

Tgt Ion: 88 Resp: 62168

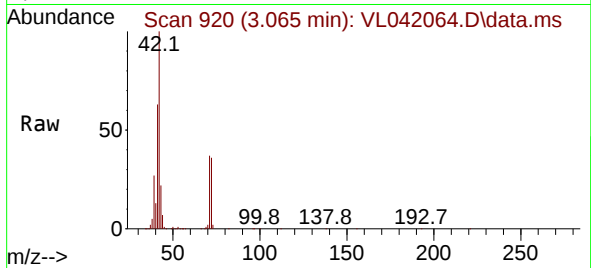
Ion	Ratio	Lower	Upper
88	100		
58	82.9	62.6	94.0
43	36.6	0.0	0.0#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 10.594 ppbv
RT: 3.065 min Scan# 91
Delta R.T. -0.007 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

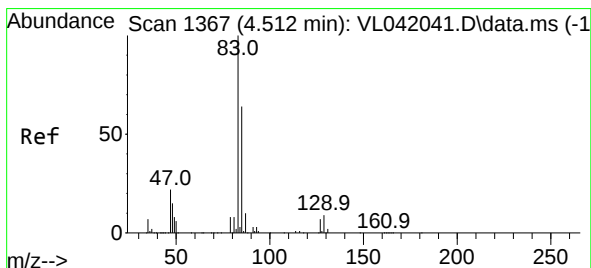
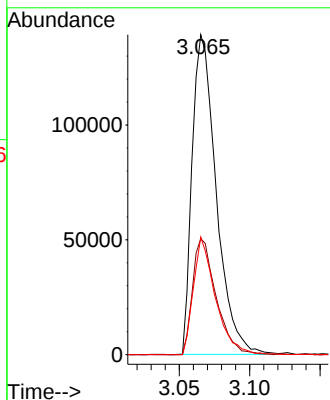
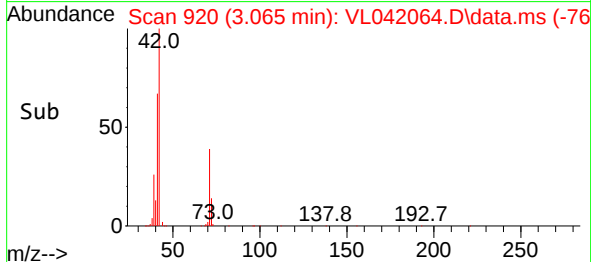
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 42 Resp: 165714
Ion Ratio Lower Upper
42 100
72 35.7 30.2 45.2
71 33.8 28.2 42.4

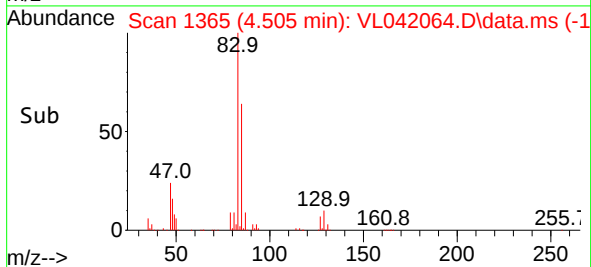
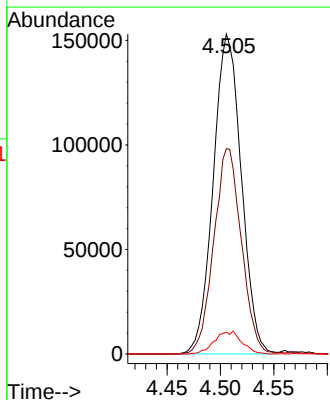
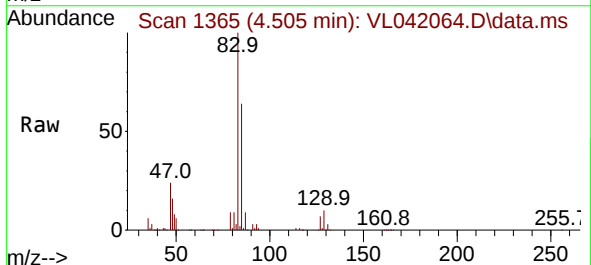
Manual Integrations
APPROVED

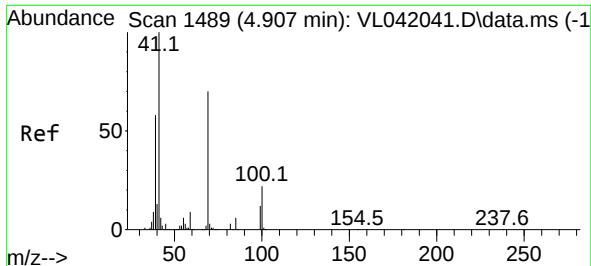
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#42
Bromodichloromethane
Concen: 10.531 ppbv
RT: 4.505 min Scan# 1365
Delta R.T. -0.007 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

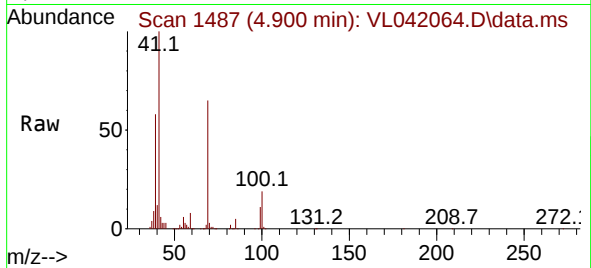
Tgt Ion: 83 Resp: 279856
Ion Ratio Lower Upper
83 100
85 64.1 51.4 77.2
127 6.8 5.8 8.6





#43
Methyl Methacrylate
Concen: 10.382 ppbv
RT: 4.900 min Scan# 1489
Delta R.T. -0.007 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

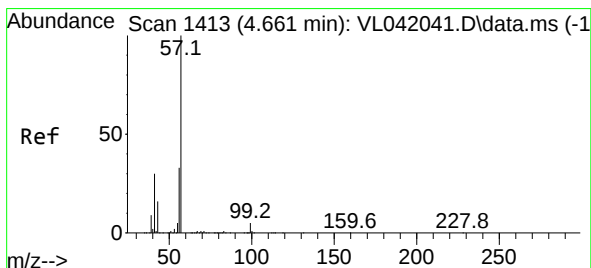
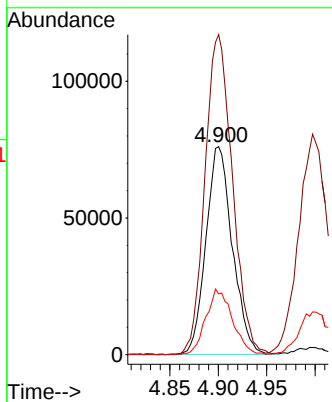
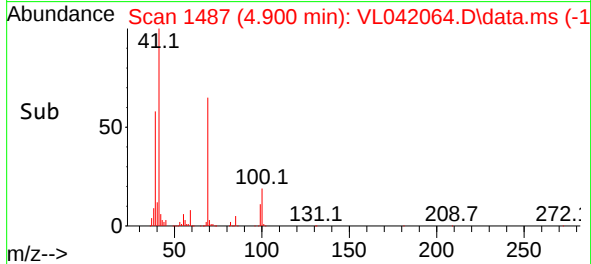
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 69 Resp: 144235
Ion Ratio Lower Upper
69 100
41 159.9 118.2 177.4
100 31.7 27.0 40.4

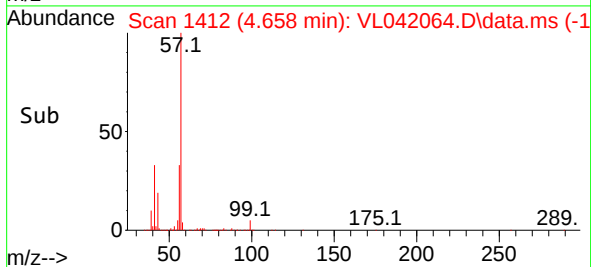
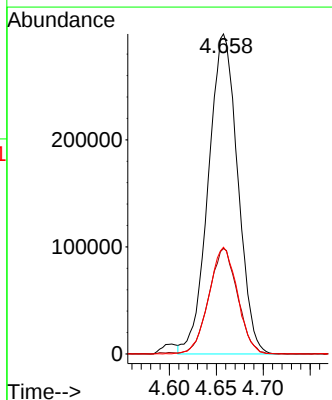
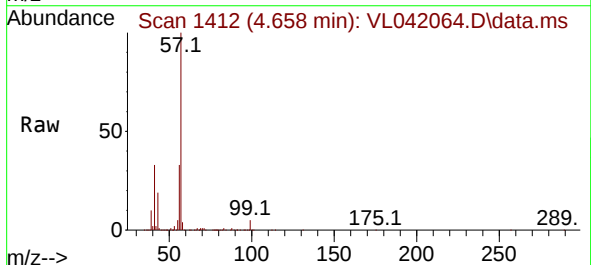
Manual Integrations
APPROVED

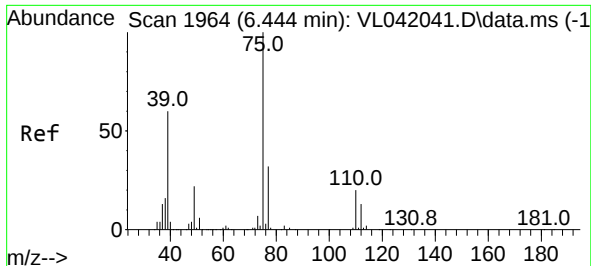
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#44
2,2,4-Trimethylpentane
Concen: 10.352 ppbv
RT: 4.658 min Scan# 1412
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

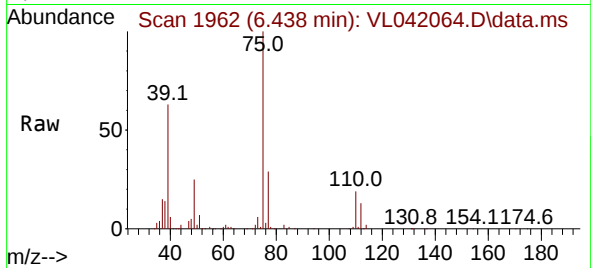
Tgt Ion: 57 Resp: 649945
Ion Ratio Lower Upper
57 100
41 32.6 24.4 36.6
56 32.6 26.5 39.7





#45
 t-1,3-Dichloropropene
 Concen: 9.989 ppbv
 RT: 6.438 min Scan# 1964
 Delta R.T. -0.007 min
 Lab File: VL042064.D
 Acq: 26 Feb 2025 16:29

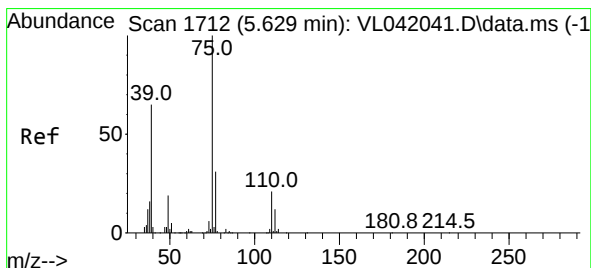
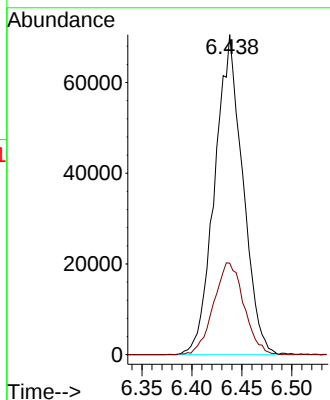
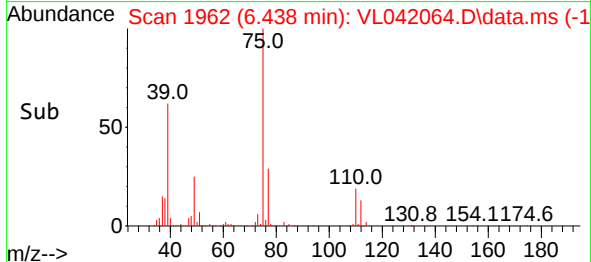
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion: 75 Resp: 137874
 Ion Ratio Lower Upper
 75 100
 77 28.6 25.9 38.9

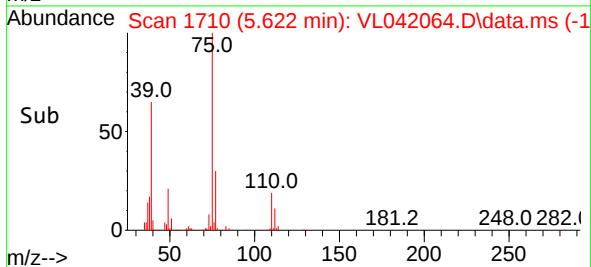
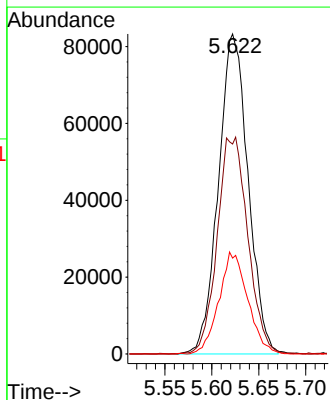
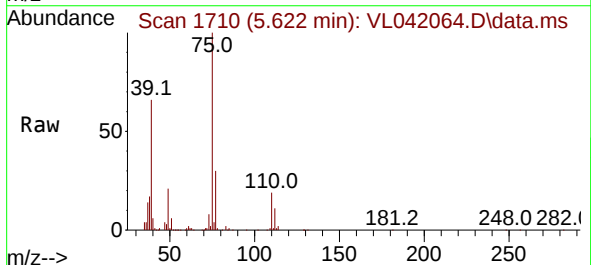
Manual Integrations
 APPROVED

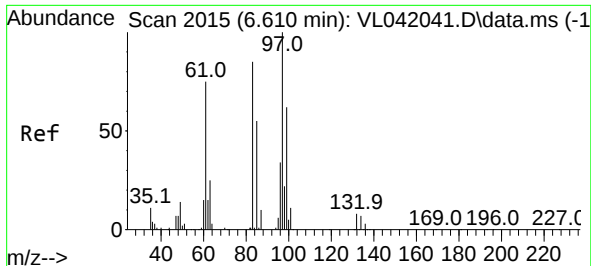
Reviewed By :Semsettin Yesilyurt 02/27/2025
 Supervised By :Mahesh Dadoda 02/27/2025



#46
 cis-1,3-Dichloropropene
 Concen: 10.240 ppbv
 RT: 5.622 min Scan# 1710
 Delta R.T. -0.007 min
 Lab File: VL042064.D
 Acq: 26 Feb 2025 16:29

Tgt Ion: 75 Resp: 182891
 Ion Ratio Lower Upper
 75 100
 39 65.6 51.9 77.9
 77 29.9 24.9 37.3





#47

1,1,2-Trichloroethane

Concen: 10.065 ppbv

RT: 6.606 min Scan# 2015

Delta R.T. -0.003 min

Lab File: VL042064.D

Acq: 26 Feb 2025 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 137964

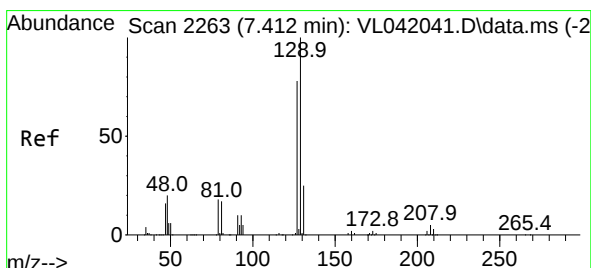
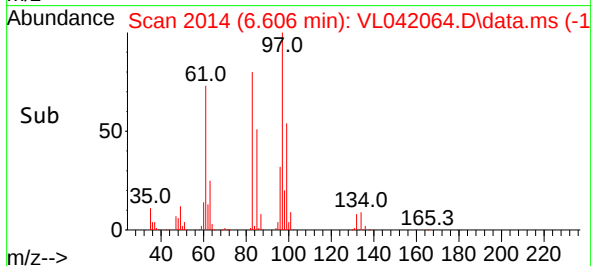
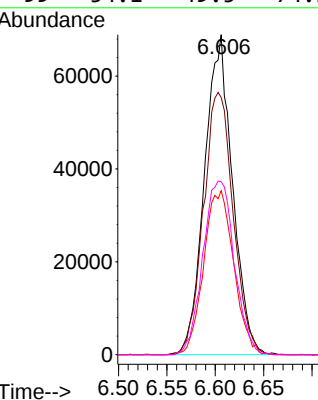
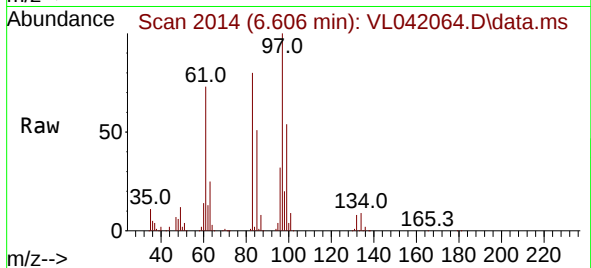
Ion	Ratio	Lower	Upper
97	100		
83	80.3	68.1	102.1
85	51.2	44.0	66.0
99	54.1	49.5	74.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2025

Supervised By :Mahesh Dadoda 02/27/2025



#48

Dibromochloromethane

Concen: 10.157 ppbv

RT: 7.406 min Scan# 2261

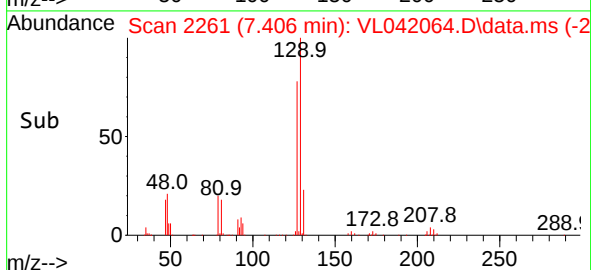
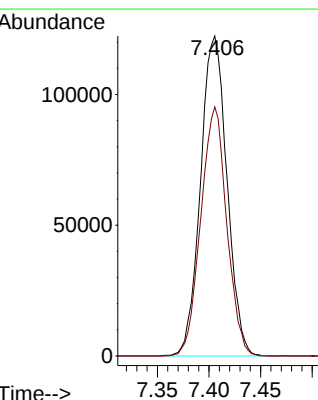
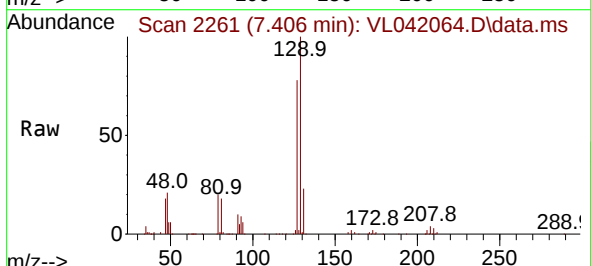
Delta R.T. -0.007 min

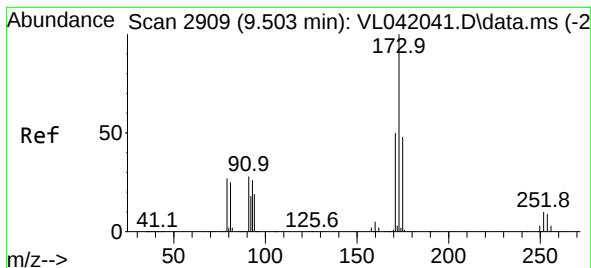
Lab File: VL042064.D

Acq: 26 Feb 2025 16:29

Tgt Ion:129 Resp: 218061

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.6	115.8





#49

Bromoform

Concen: 9.964 ppbv

RT: 9.496 min Scan# 2909

Delta R.T. -0.007 min

Lab File: VL042064.D

Acq: 26 Feb 2025 16:29

Instrument :

MSVOA_L

ClientSampleId :

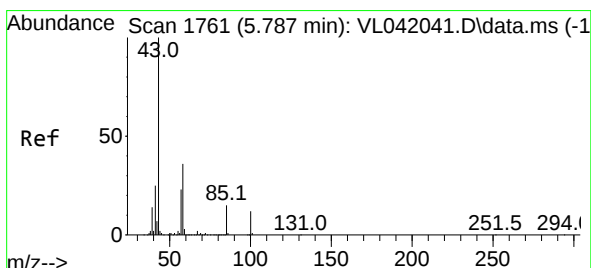
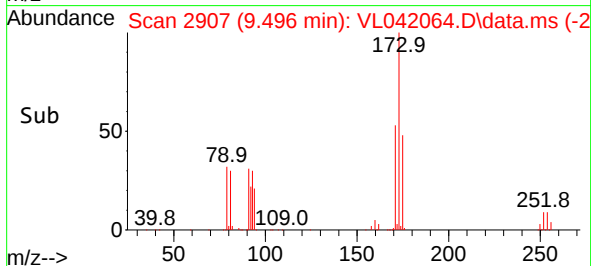
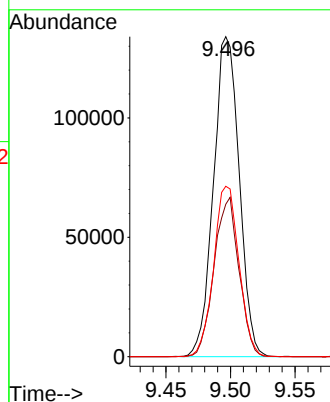
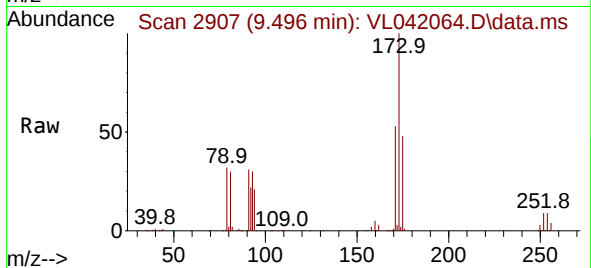
VSTDCCC010EC

Tgt Ion:	173	Resp:	18576
Ion Ratio	Lower	Upper	
173	100		
175	48.2	38.3	57.5
171	52.4	40.2	60.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#50

4-Methyl-2-Pentanone

Concen: 11.837 ppbv

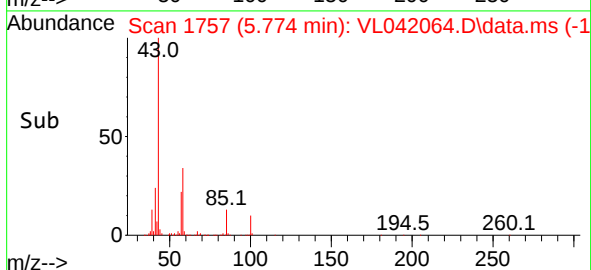
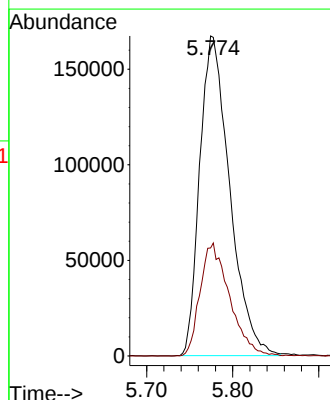
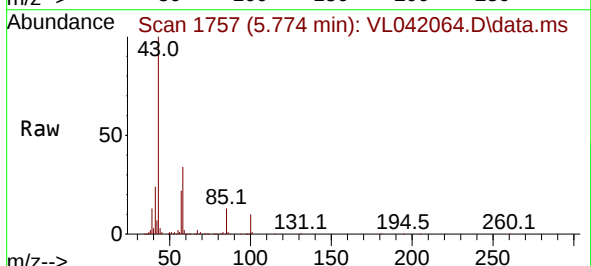
RT: 5.774 min Scan# 1757

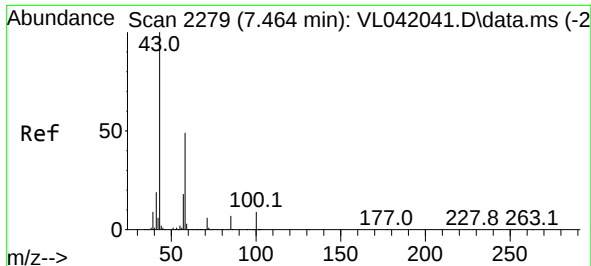
Delta R.T. -0.013 min

Lab File: VL042064.D

Acq: 26 Feb 2025 16:29

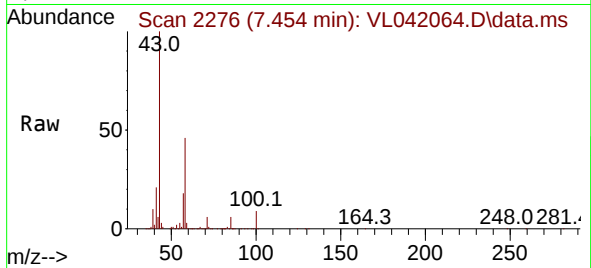
Tgt Ion:	43	Resp:	405288
Ion Ratio	Lower	Upper	
43	100		
58	34.8	29.3	43.9





#51
2-Hexanone
Concen: 14.028 ppbv
RT: 7.454 min Scan# 2199
Delta R.T. -0.010 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

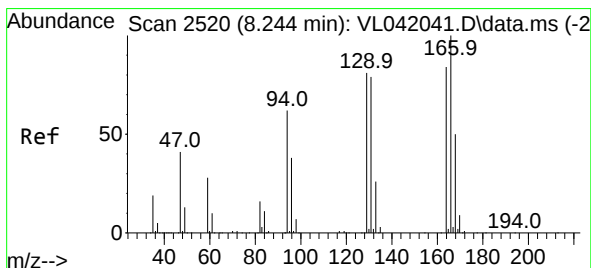
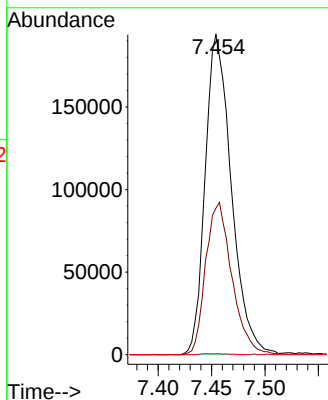
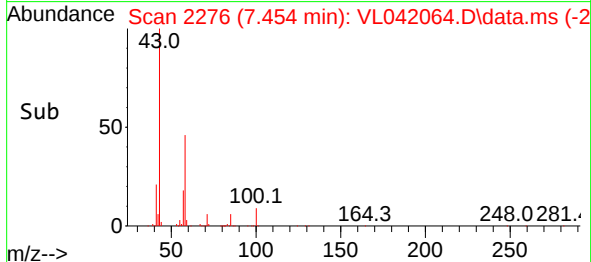
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 43 Resp: 330554
Ion Ratio Lower Upper
43 100
58 47.8 39.0 58.6
98 0.4 0.1 0.1

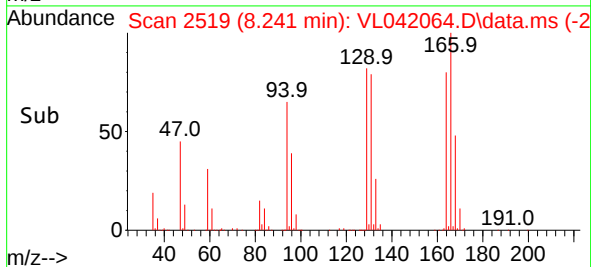
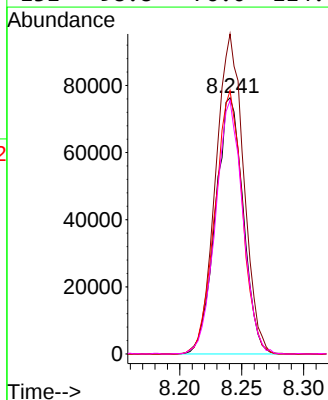
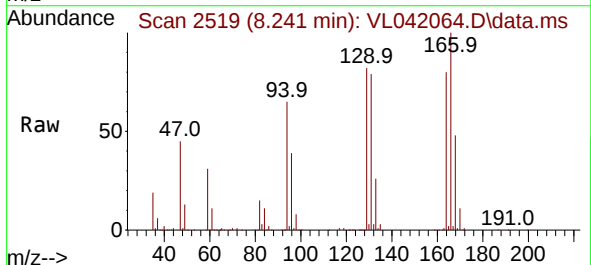
Manual Integrations
APPROVED

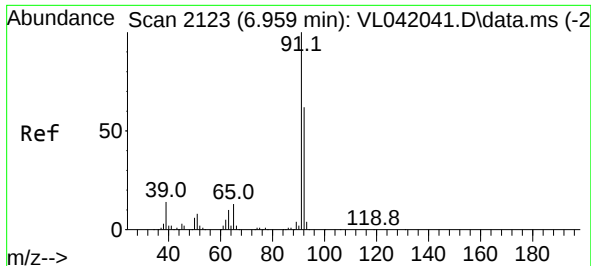
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#52
Tetrachloroethene
Concen: 9.775 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

Tgt Ion:164 Resp: 119036
Ion Ratio Lower Upper
164 100
166 124.8 95.7 143.5
129 102.8 77.1 115.7
131 98.8 76.0 114.0





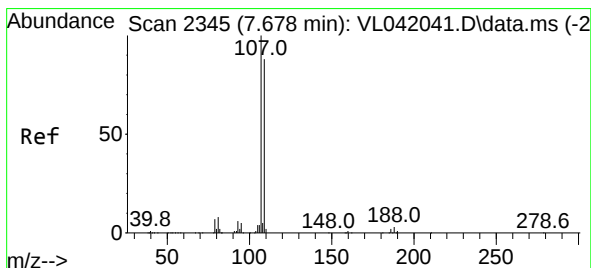
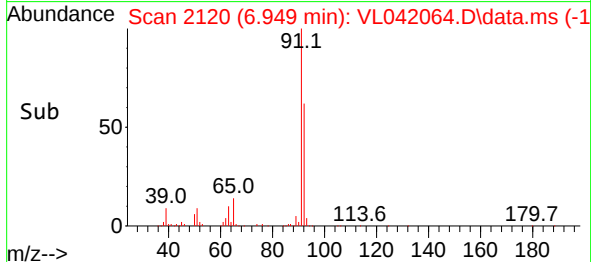
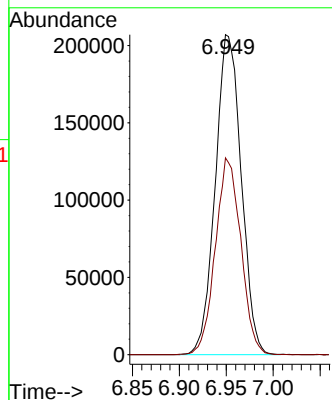
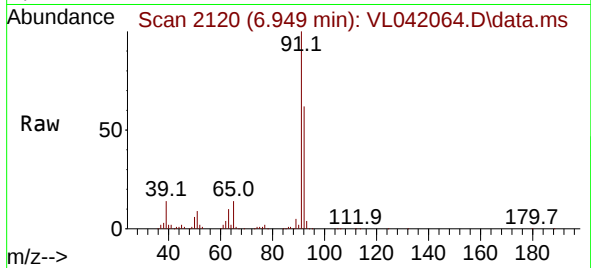
#53
Toluene
Concen: 10.022 ppbv
RT: 6.949 min Scan# 2123
Delta R.T. -0.010 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 39844
Ion Ratio Lower Upper
91 100
92 60.3 49.0 73.6

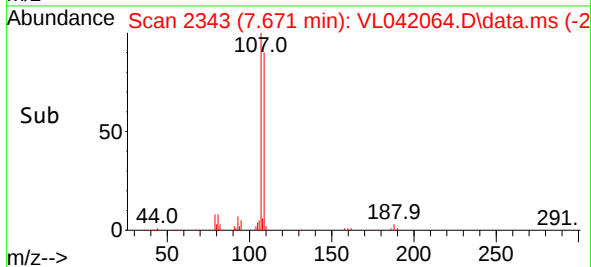
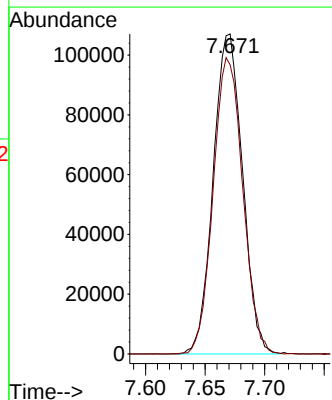
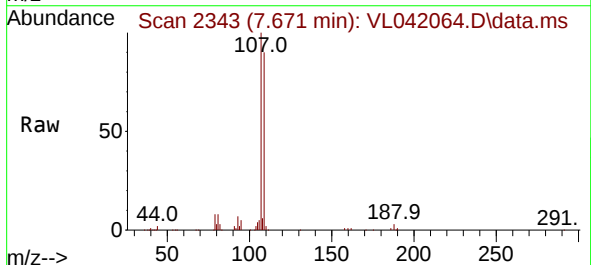
Manual Integrations
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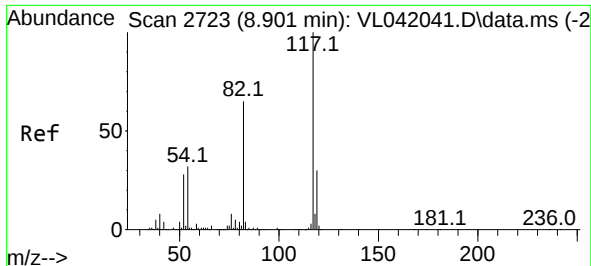
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#54
1,2-Dibromoethane
Concen: 9.879 ppbv
RT: 7.671 min Scan# 2343
Delta R.T. -0.007 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

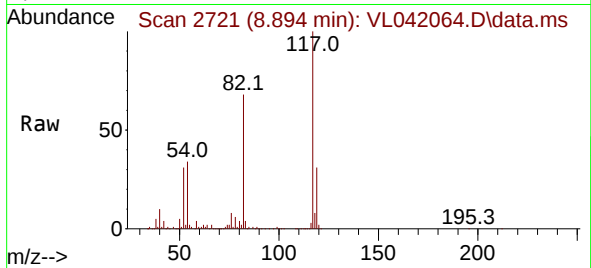
Tgt Ion:107 Resp: 183074
Ion Ratio Lower Upper
107 100
109 90.2 70.2 105.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 2721
Delta R.T. -0.007 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

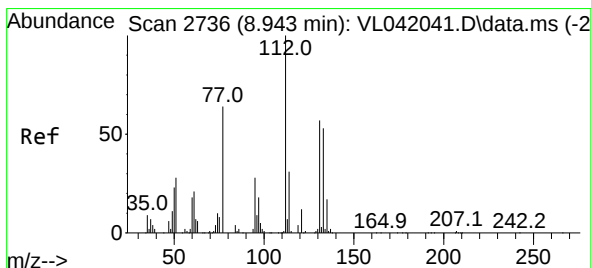
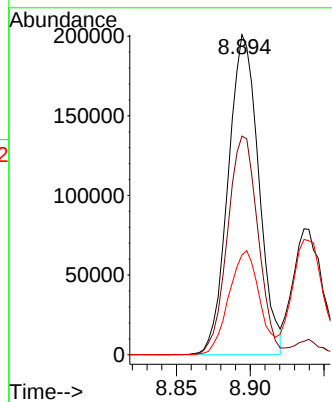
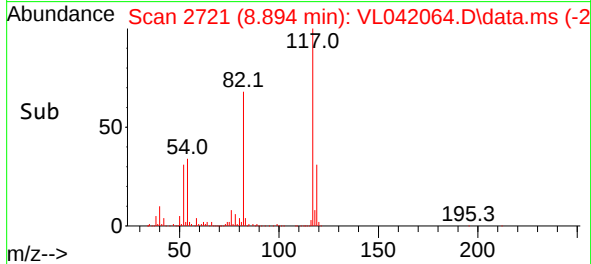
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion:117 Resp: 289628
Ion Ratio Lower Upper
117 100
82 69.1 55.0 82.6
119 33.4 25.9 38.9

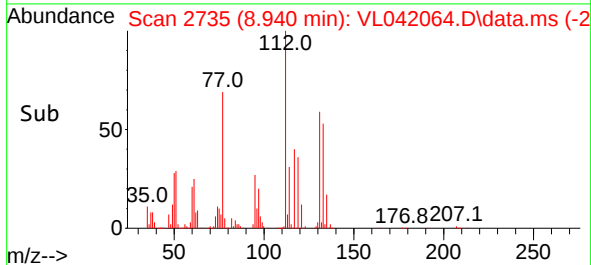
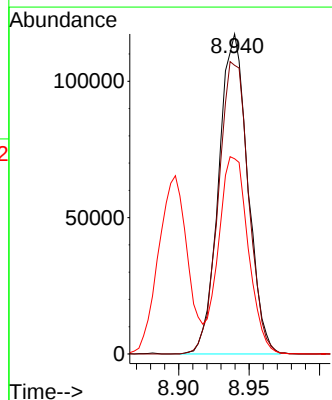
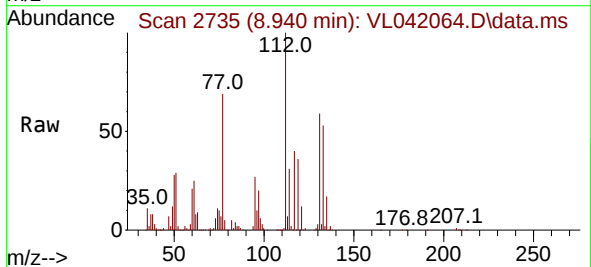
Manual Integrations
APPROVED

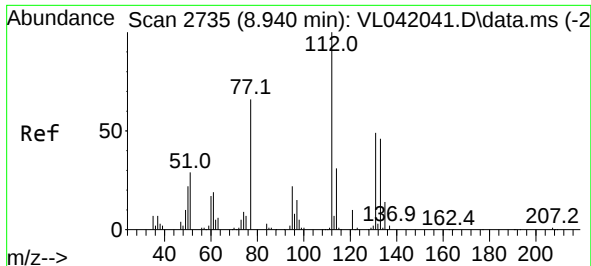
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 10.314 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. -0.003 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

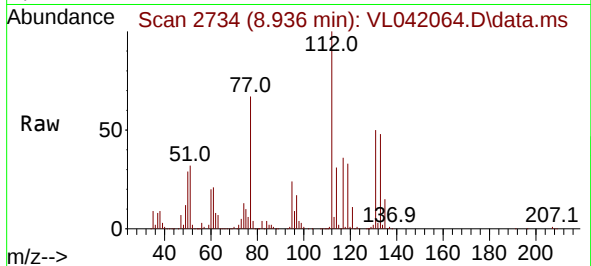
Tgt Ion:131 Resp: 168838
Ion Ratio Lower Upper
131 100
133 94.7 75.8 113.8
119 64.4 52.1 78.1





#57
Chlorobenzene
Concen: 10.313 ppbv
RT: 8.936 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

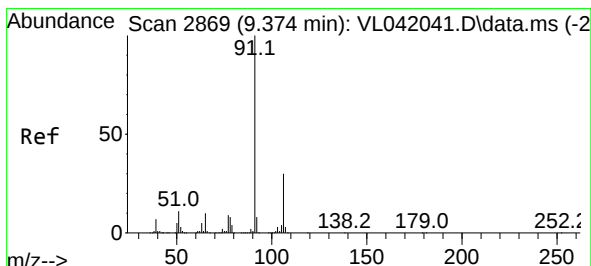
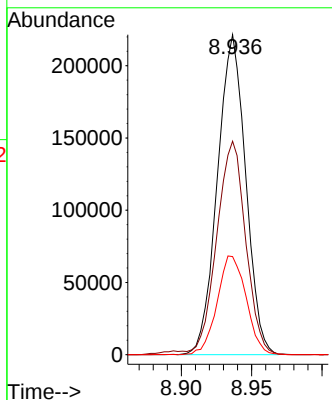
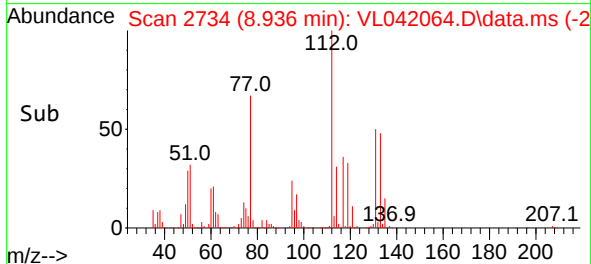
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion:112 Resp: 30970
Ion Ratio Lower Upper
112 100
77 66.5 53.4 80.2
114 30.5 28.3 34.5

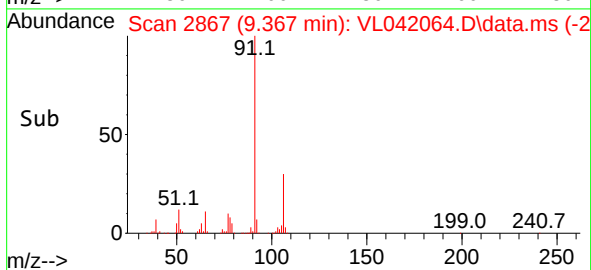
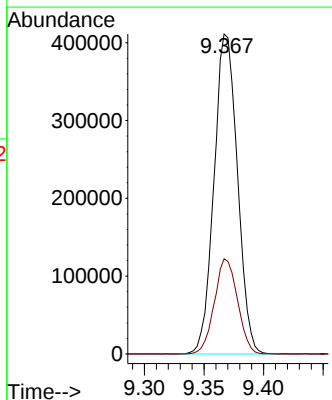
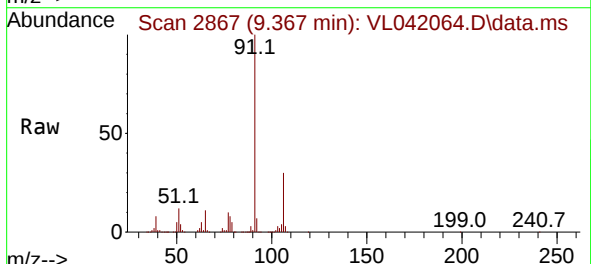
Manual Integrations
APPROVED

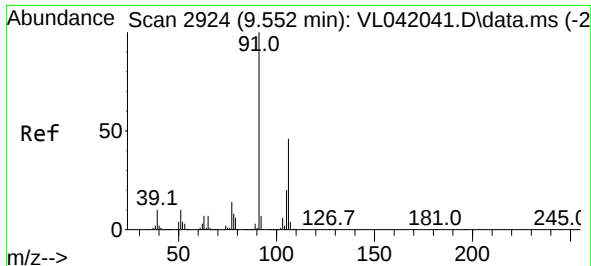
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#58
Ethyl Benzene
Concen: 10.526 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. -0.007 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

Tgt Ion: 91 Resp: 561460
Ion Ratio Lower Upper
91 100
106 29.7 24.2 36.2





#59

m/p-Xylene

Concen: 21.040 ppbv m

RT: 9.545 min Scan# 29

Delta R.T. -0.007 min

Lab File: VL042064.D

Acq: 26 Feb 2025 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 893078

Ion Ratio Lower Upper

91 100

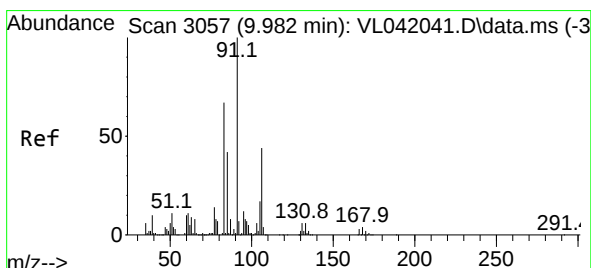
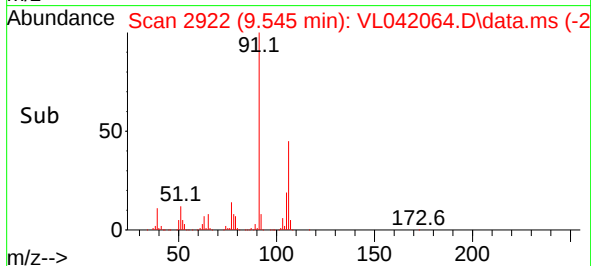
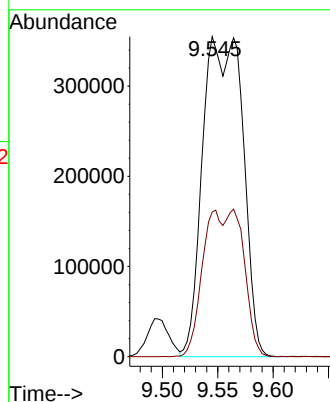
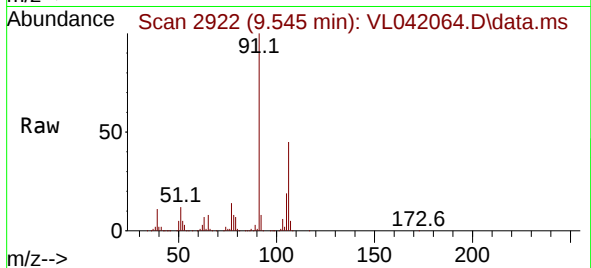
106 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2025

Supervised By :Mahesh Dadoda 02/27/2025



#60

o-Xylene

Concen: 10.537 ppbv

RT: 9.975 min Scan# 3055

Delta R.T. -0.007 min

Lab File: VL042064.D

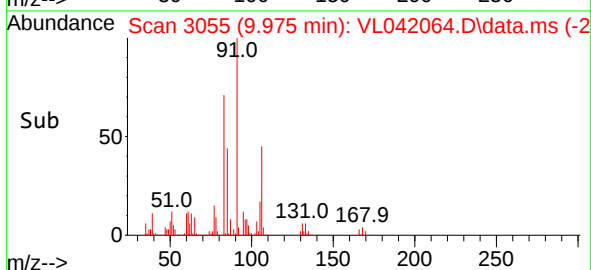
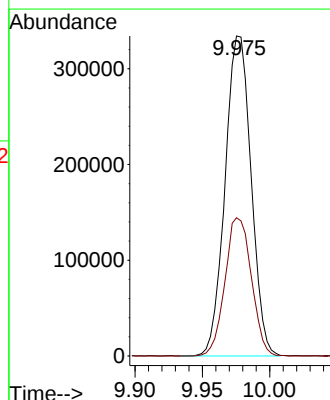
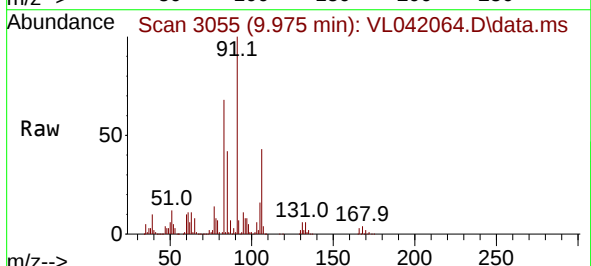
Acq: 26 Feb 2025 16:29

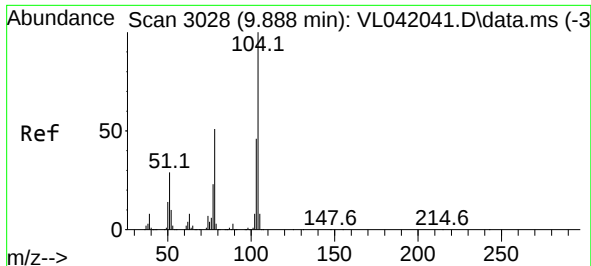
Tgt Ion: 91 Resp: 449623

Ion Ratio Lower Upper

91 100

106 43.8 22.3 66.8





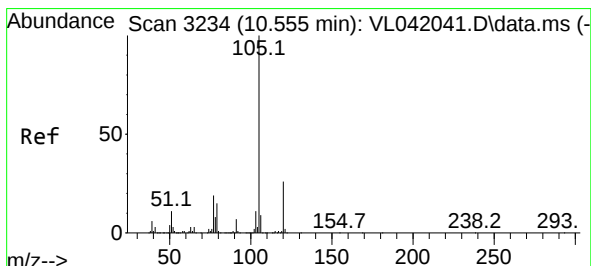
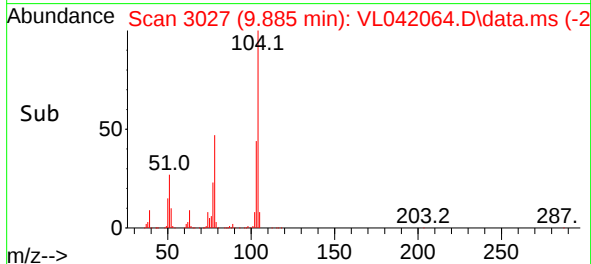
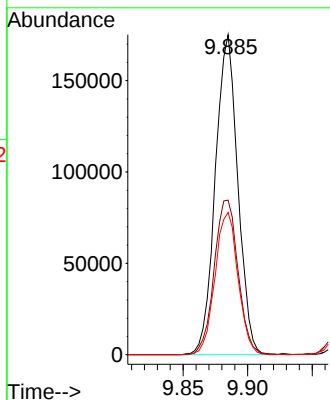
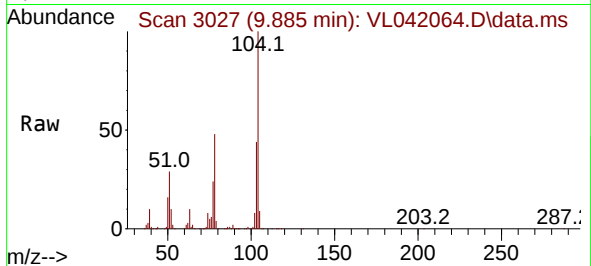
#61
Styrene
Concen: 10.557 ppbv
RT: 9.885 min Scan# 3028
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:104 Resp: 21178
Ion Ratio Lower Upper
104 100
78 51.3 41.0 61.4
103 45.5 37.0 55.6

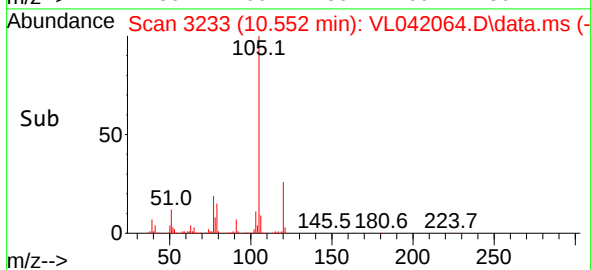
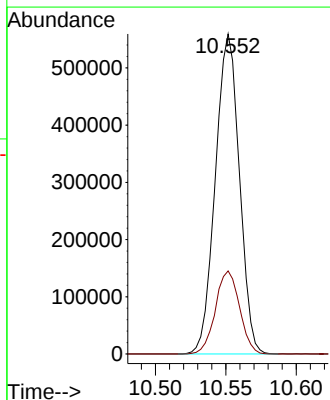
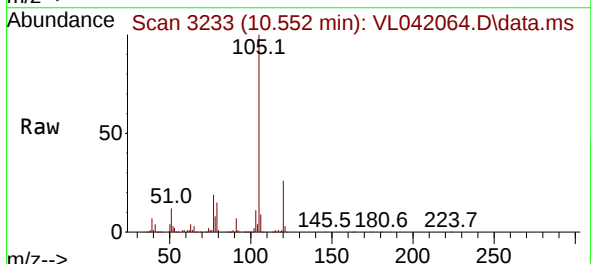
Manual Integrations
APPROVED

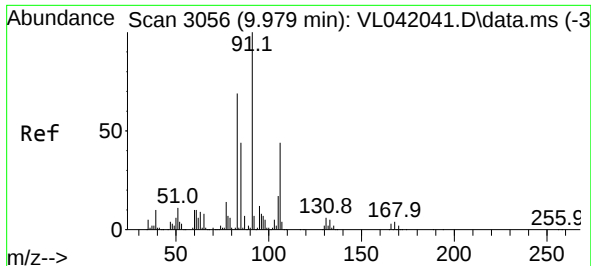
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#62
Isopropylbenzene
Concen: 10.400 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

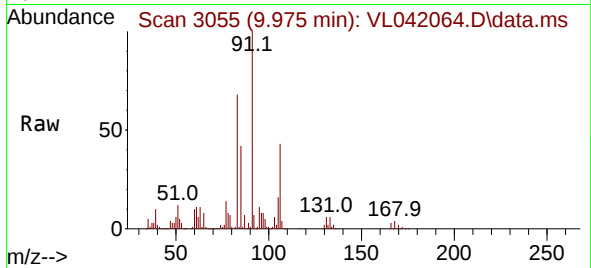
Tgt Ion:105 Resp: 664649
Ion Ratio Lower Upper
105 100
120 26.0 20.7 31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 10.408 ppbv
RT: 9.975 min Scan# 3055
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

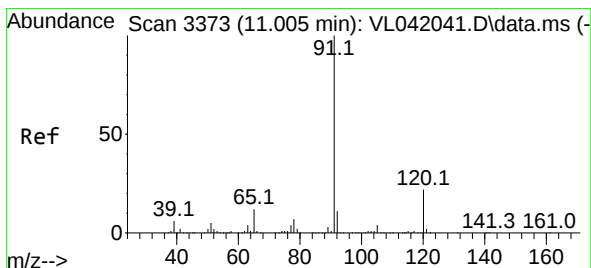
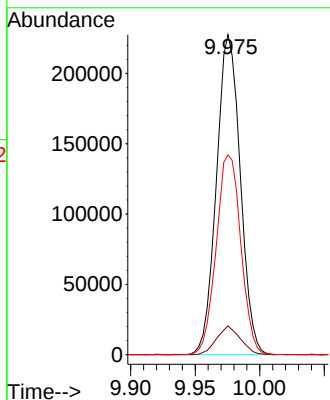
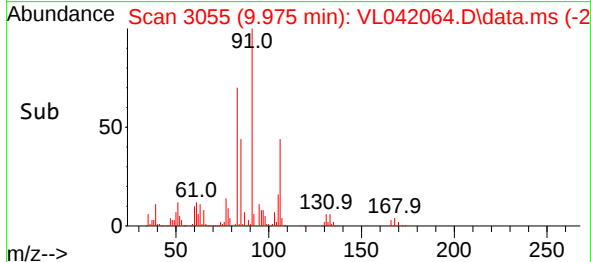
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



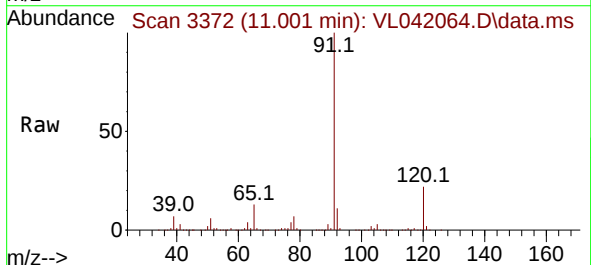
Tgt Ion: 83 Resp: 292489
Ion Ratio Lower Upper
83 100
131 9.0 4.5 13.7
85 64.5 32.1 96.3

Manual Integrations
APPROVED

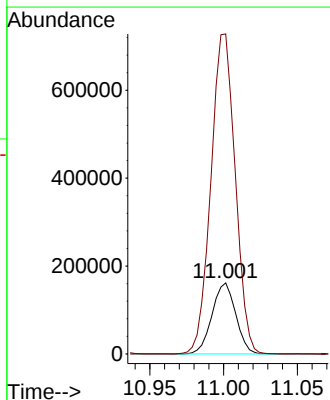
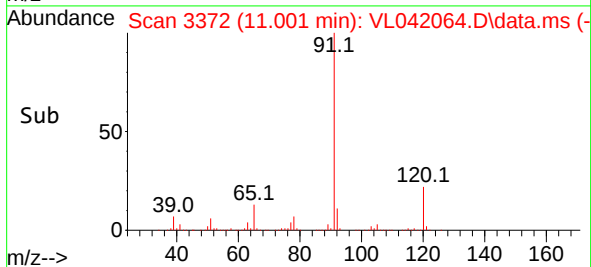
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

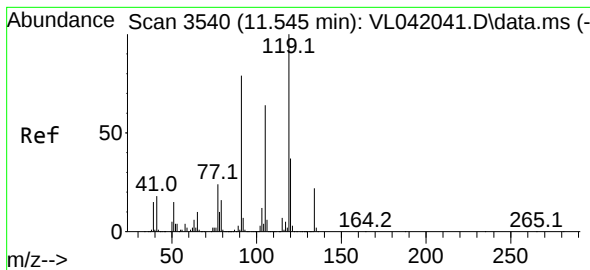


#64
n-propylbenzene
Concen: 10.768 ppbv
RT: 11.001 min Scan# 3372
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29



Tgt Ion:120 Resp: 180511
Ion Ratio Lower Upper
120 100
91 464.2 370.6 556.0





#65

tert-Butylbenzene

Concen: 10.173 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. -0.004 min

Lab File: VL042064.D

Acq: 26 Feb 2025 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

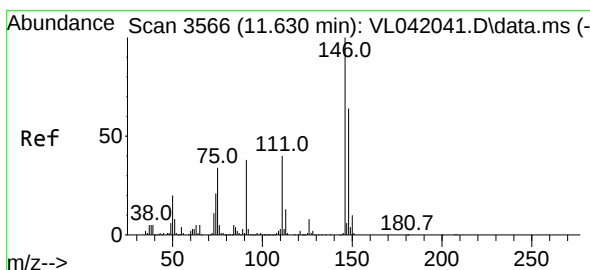
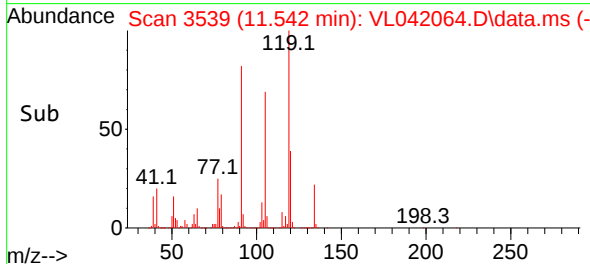
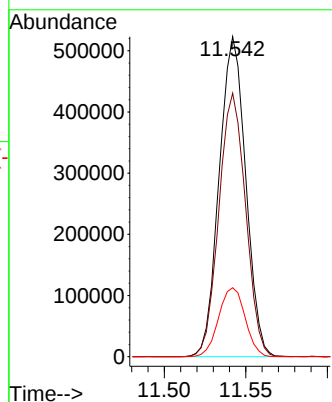
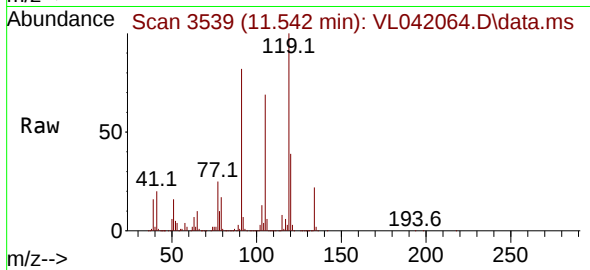
Tgt Ion:119 Resp: 59167

Ion	Ratio	Lower	Upper
119	100		
91	82.9	64.2	96.2
134	21.6	17.4	26.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#66

Benzyl Chloride

Concen: 9.201 ppbv

RT: 11.626 min Scan# 3565

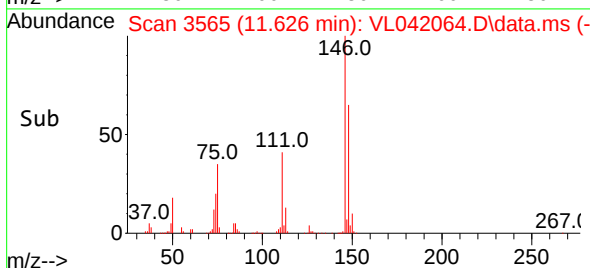
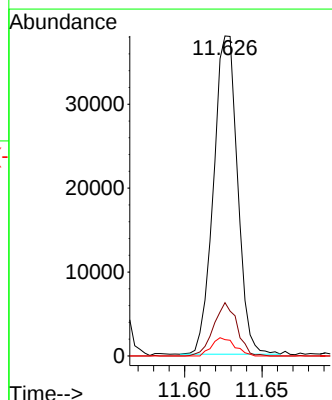
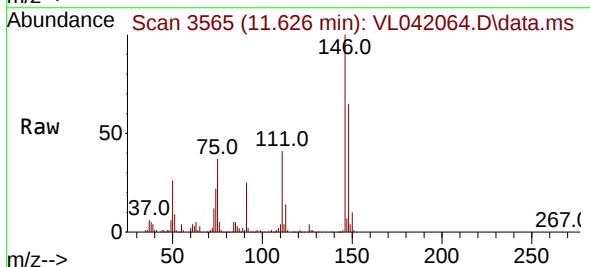
Delta R.T. -0.004 min

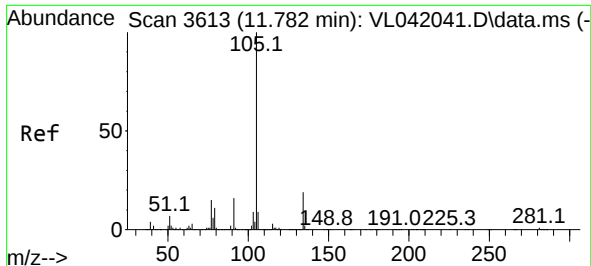
Lab File: VL042064.D

Acq: 26 Feb 2025 16:29

Tgt Ion: 91 Resp: 40834

Ion	Ratio	Lower	Upper
91	100		
126	16.3	14.5	21.7
128	5.5	5.4	8.2





#67

sec-Butylbenzene

Concen: 10.246 ppbv

RT: 11.778 min Scan# 3612

Delta R.T. -0.004 min

Lab File: VL042064.D

Acq: 26 Feb 2025 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 852278

Ion Ratio Lower Upper

105 100

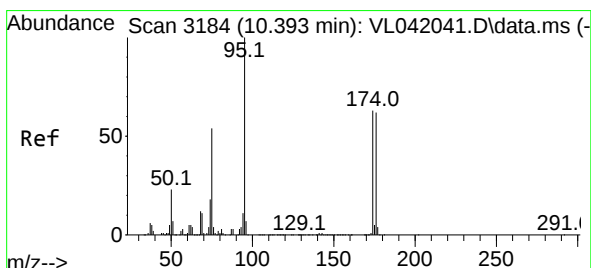
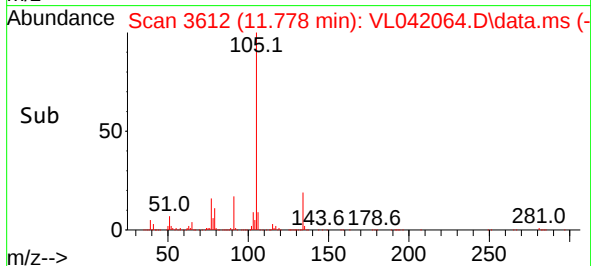
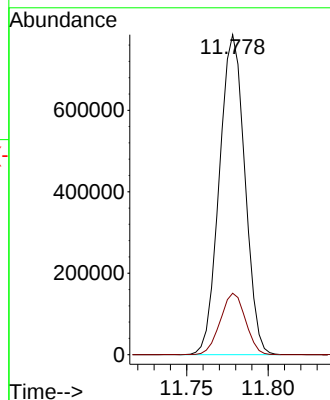
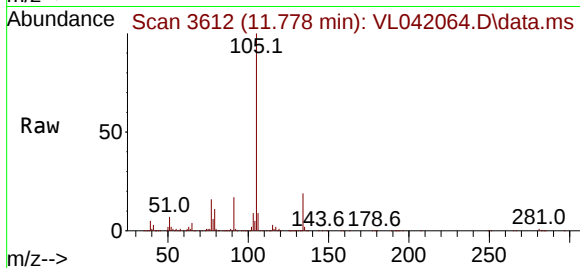
134 19.1 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2025

Supervised By :Mahesh Dadoda 02/27/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.709 ppbv

RT: 10.386 min Scan# 3182

Delta R.T. -0.007 min

Lab File: VL042064.D

Acq: 26 Feb 2025 16:29

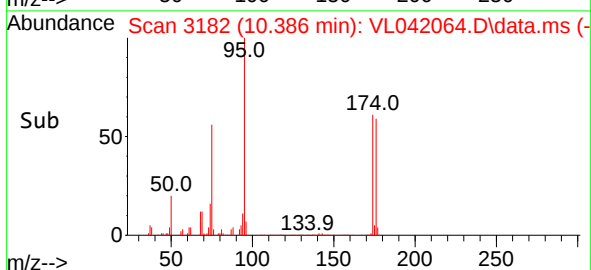
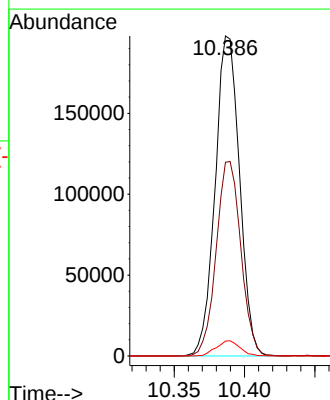
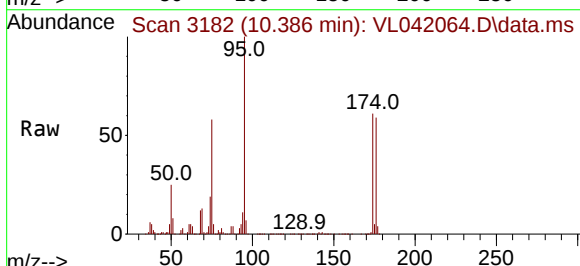
Tgt Ion: 95 Resp: 238619

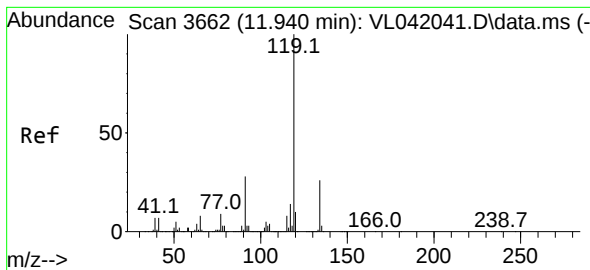
Ion Ratio Lower Upper

95 100

174 61.5 51.8 77.6

175 4.6 3.9 5.9





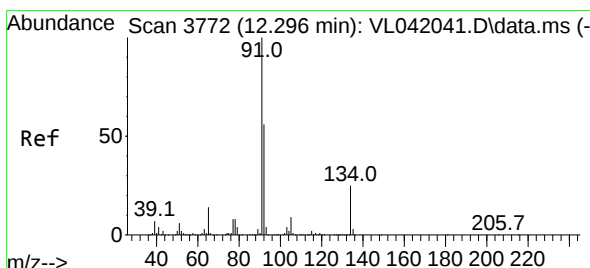
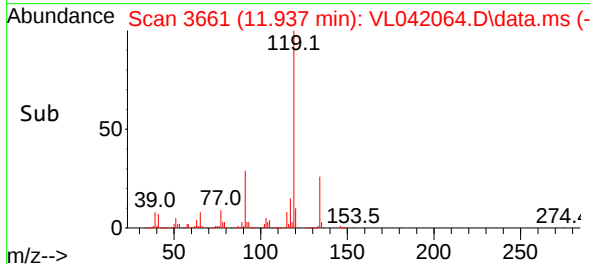
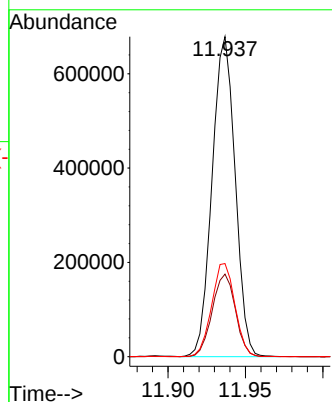
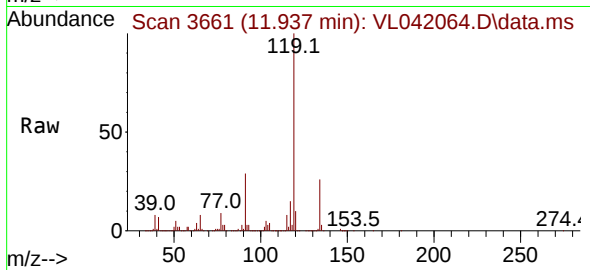
#69
p-Isopropyltoluene
Concen: 10.584 ppbv
RT: 11.937 min Scan# 3661
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 700437
Ion Ratio Lower Upper
119 100
134 26.1 20.9 31.3
91 29.7 23.1 34.7

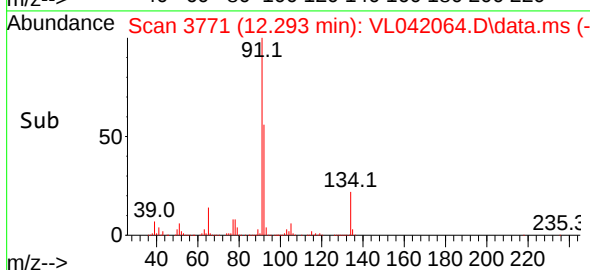
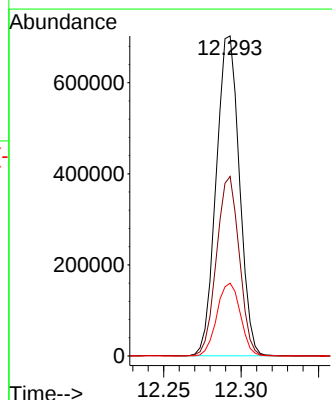
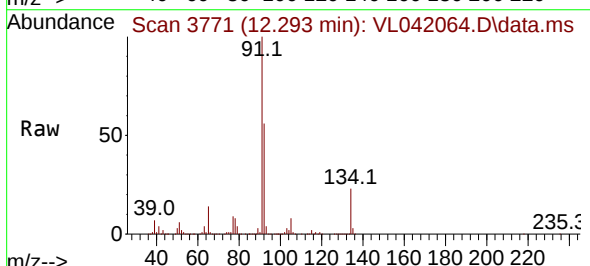
Manual Integrations
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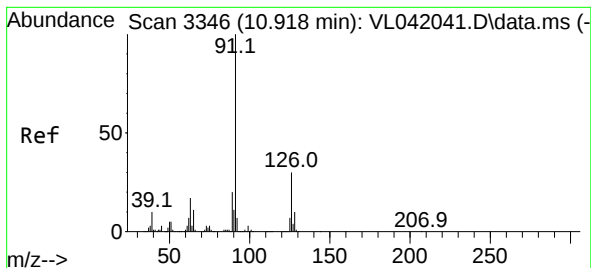
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#70
n-Butylbenzene
Concen: 10.837 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

Tgt Ion: 91 Resp: 732089
Ion Ratio Lower Upper
91 100
92 55.1 44.7 67.1
134 23.1 18.9 28.3





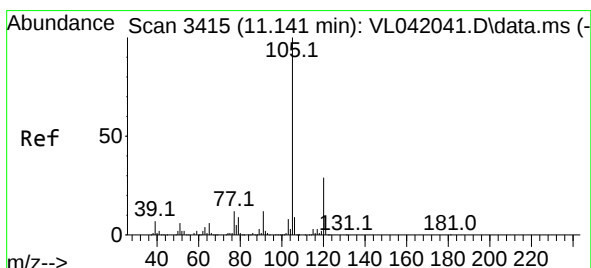
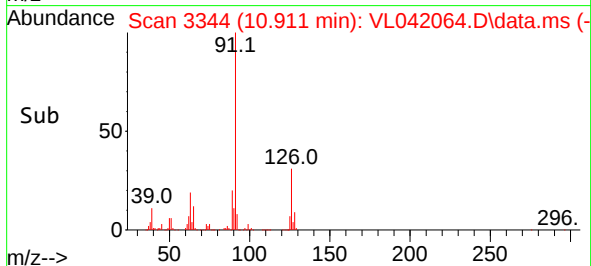
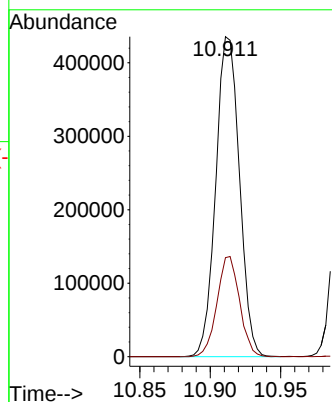
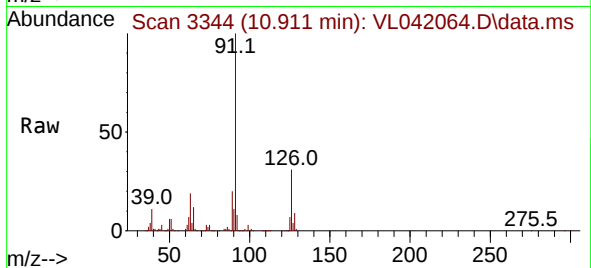
#71
2-Chlorotoluene
Concen: 10.346 ppbv
RT: 10.911 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 509698
Ion Ratio Lower Upper
91 100
126 29.9 11.9 47.5

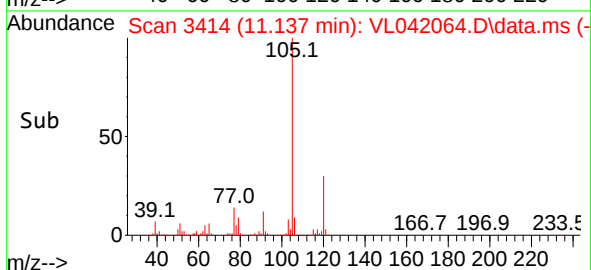
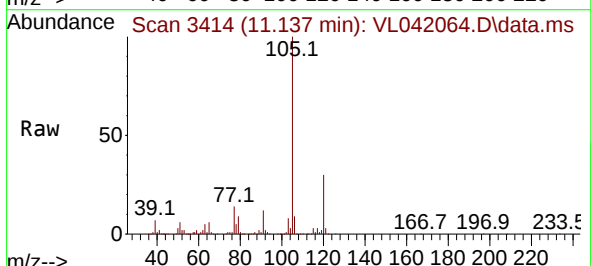
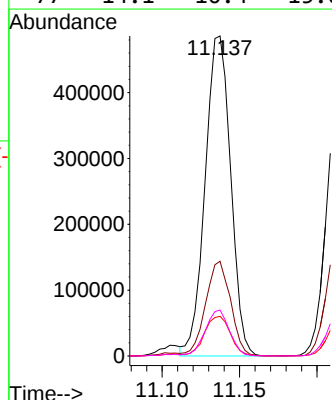
Manual Integrations
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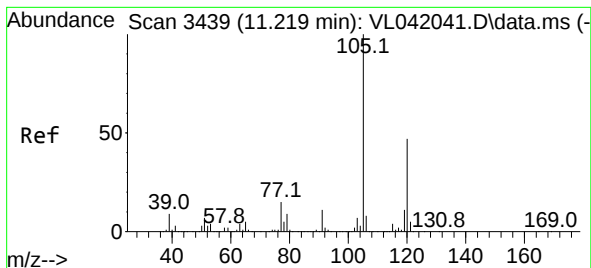
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#72
4-Ethyltoluene
Concen: 10.700 ppbv
RT: 11.137 min Scan# 3414
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

Tgt Ion:105 Resp: 557470
Ion Ratio Lower Upper
105 100
120 29.8 24.1 36.1
91 13.1 10.2 15.4
77 14.1 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 10.432 ppbv

RT: 11.215 min Scan# 3439

Delta R.T. -0.004 min

Lab File: VL042064.D

Acq: 26 Feb 2025 16:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 471475

Ion Ratio Lower Upper

105 100

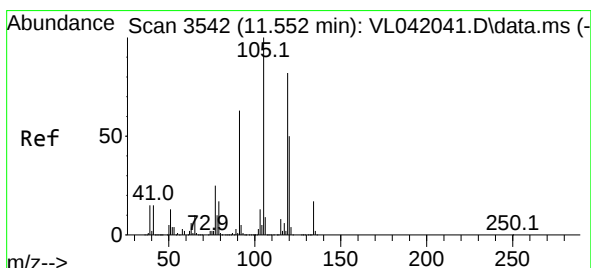
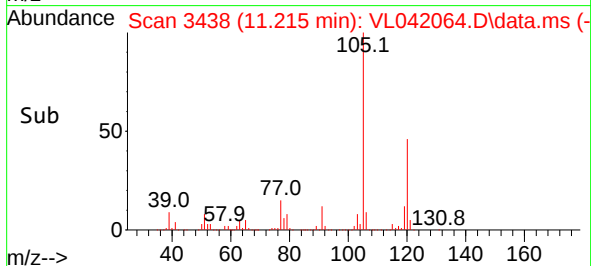
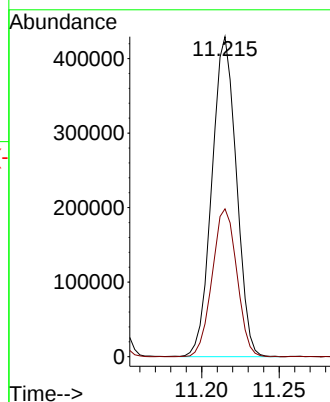
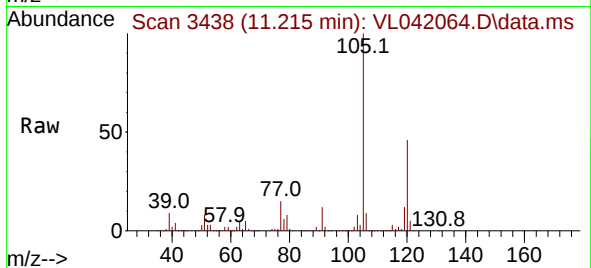
120 46.2 37.4 56.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/27/2025

Supervised By :Mahesh Dadoda 02/27/2025



#74

1,2,4-Trimethylbenzene

Concen: 9.985 ppbv

RT: 11.548 min Scan# 3541

Delta R.T. -0.003 min

Lab File: VL042064.D

Acq: 26 Feb 2025 16:29

Tgt Ion:105 Resp: 508162

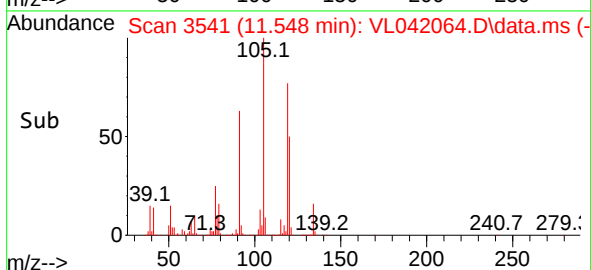
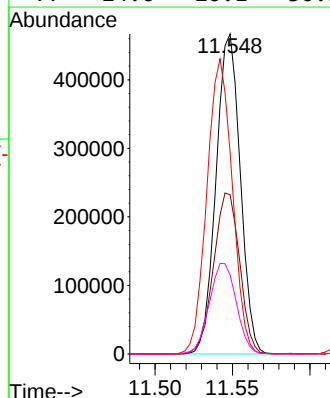
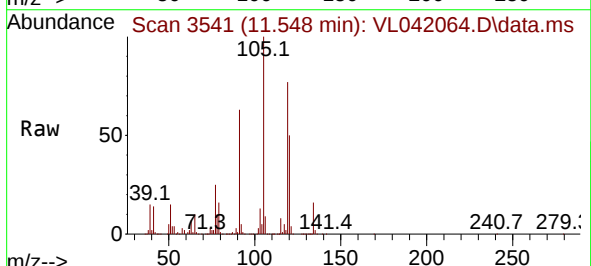
Ion Ratio Lower Upper

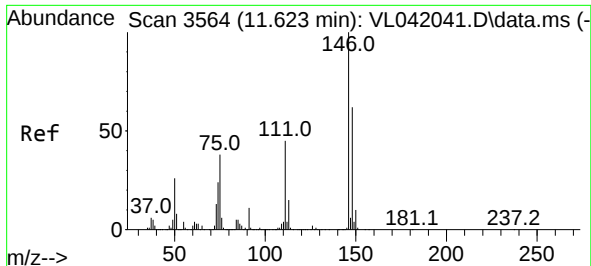
105 100

120 49.8 40.2 60.2

91 62.9 51.4 77.2

77 24.6 20.1 30.1





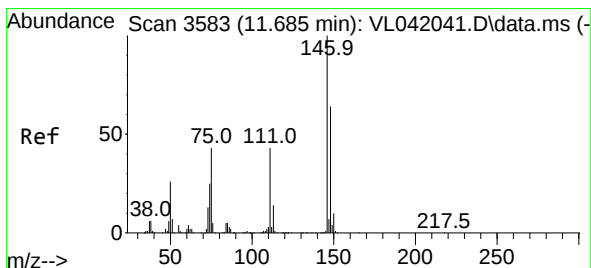
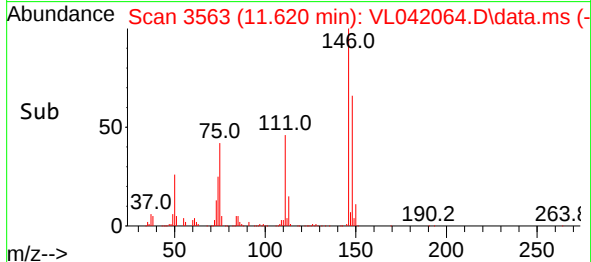
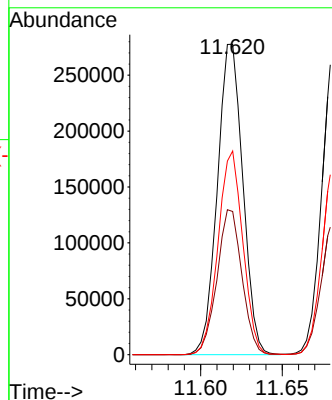
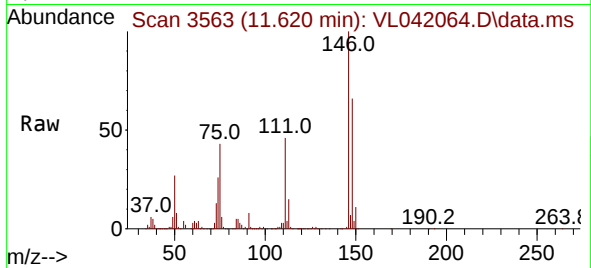
#75
1,3-Dichlorobenzene
Concen: 10.303 ppbv
RT: 11.620 min Scan# 3564
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 301779
Ion Ratio Lower Upper
146 100
111 45.8 22.4 67.2
148 63.9 32.3 96.8

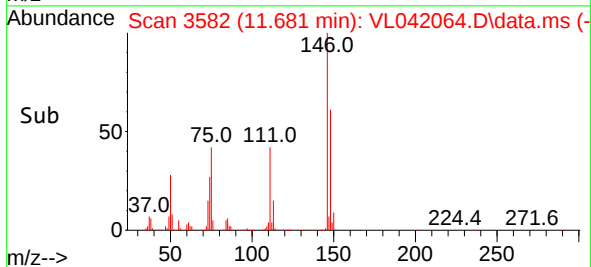
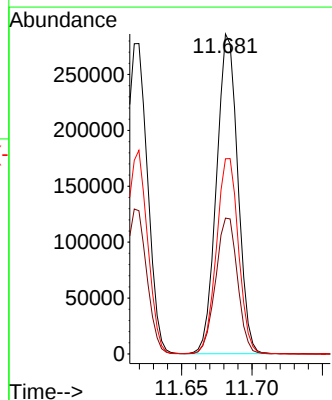
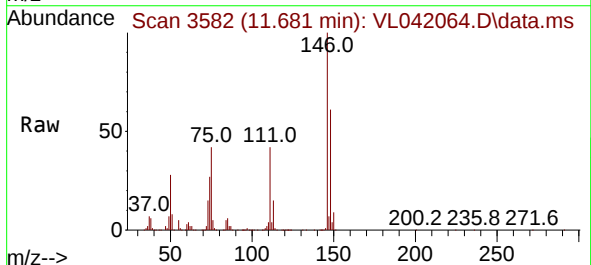
Manual Integrations
APPROVED

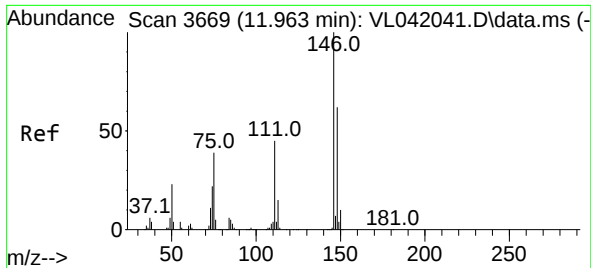
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#76
1,4-Dichlorobenzene
Concen: 10.354 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. -0.003 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

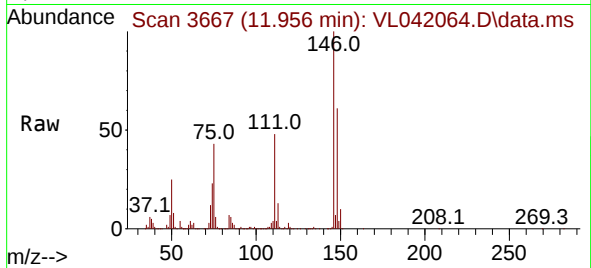
Tgt Ion:146 Resp: 301091
Ion Ratio Lower Upper
146 100
111 43.9 21.5 64.5
148 63.3 31.6 95.0





#77
1,2-Dichlorobenzene
Concen: 10.407 ppbv
RT: 11.956 min Scan# 30
Delta R.T. -0.007 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

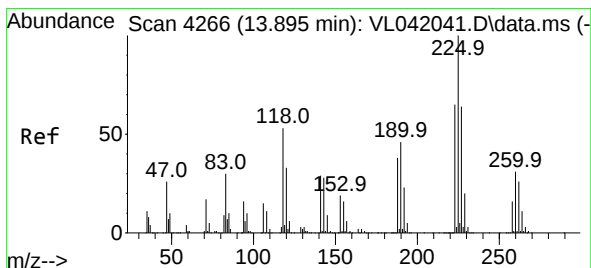
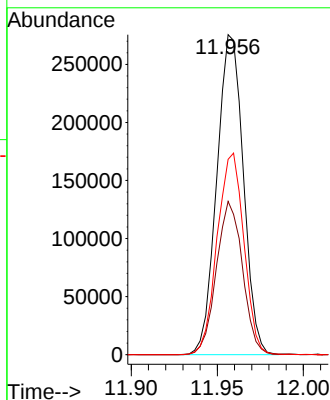
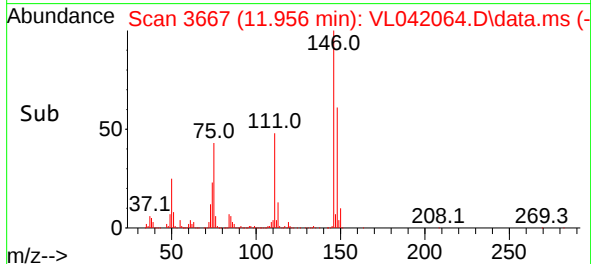
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



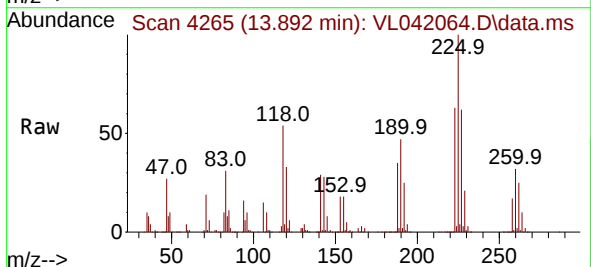
Tgt Ion:146 Resp: 295784
Ion Ratio Lower Upper
146 100
111 47.2 23.2 69.6
148 63.5 31.4 94.2

Manual Integrations
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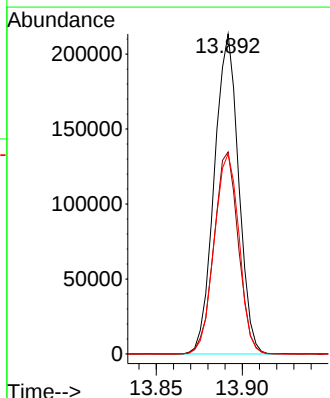
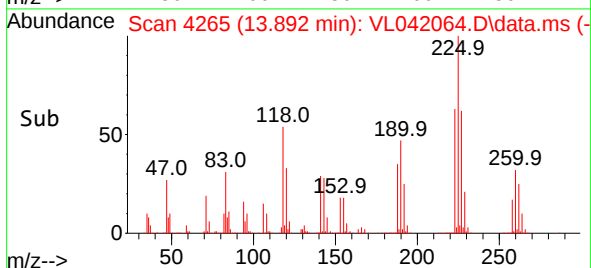
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

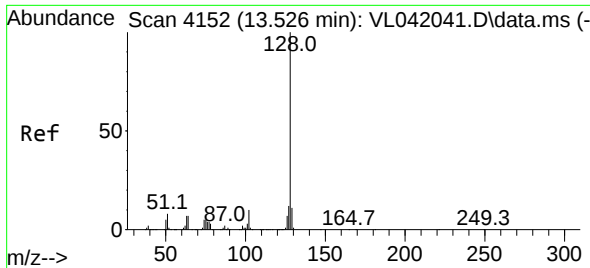


#78
Hexachloro-1,3-Butadiene
Concen: 9.478 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29



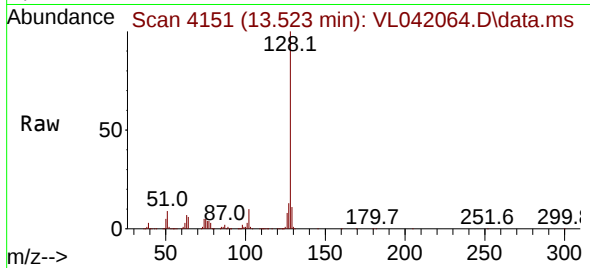
Tgt Ion:225 Resp: 209616
Ion Ratio Lower Upper
225 100
223 63.5 50.2 75.2
227 64.0 50.8 76.2





#79
Naphthalene
Concen: 13.087 ppbv
RT: 13.523 min Scan# 4151
Delta R.T. -0.003 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29

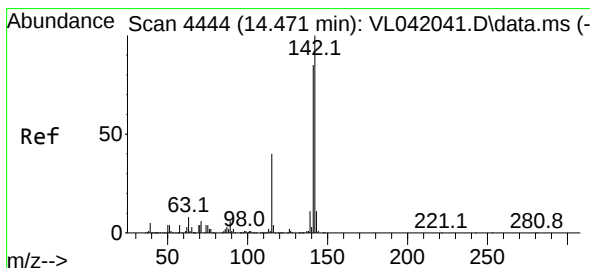
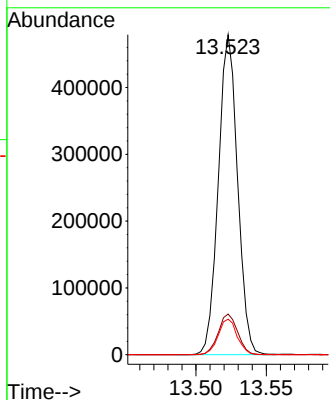
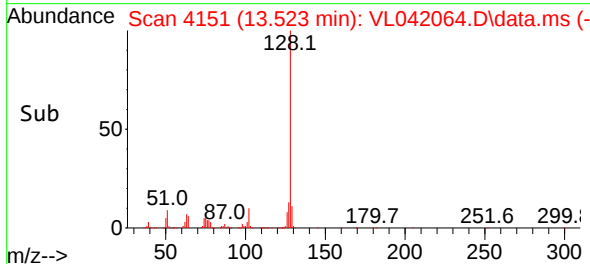
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



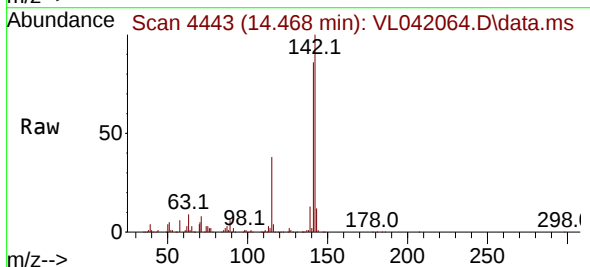
Tgt Ion:128 Resp: 456669
Ion Ratio Lower Upper
128 100
127 12.7 9.8 14.6
129 11.1 8.6 12.8

Manual Integrations
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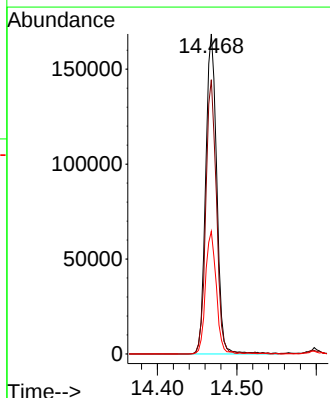
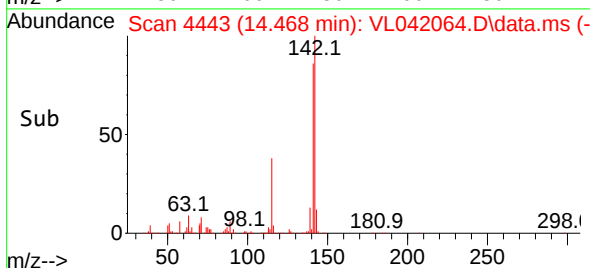
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

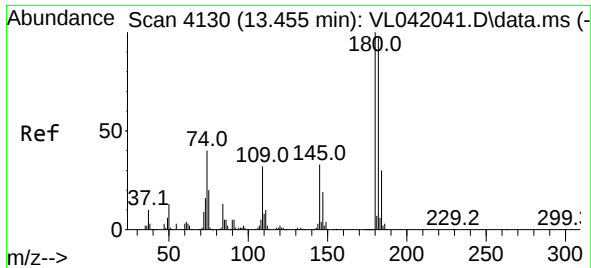


#80
Naphthalene,2-methyl-
Concen: 17.071 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. -0.004 min
Lab File: VL042064.D
Acq: 26 Feb 2025 16:29



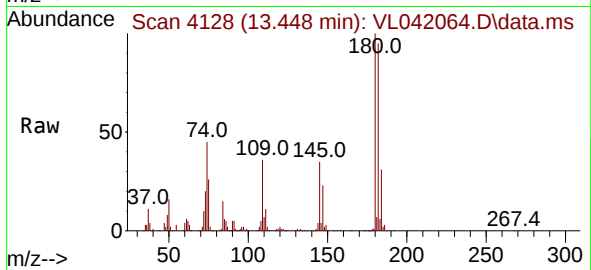
Tgt Ion:142 Resp: 163016
Ion Ratio Lower Upper
142 100
141 83.4 65.8 98.6
115 37.9 29.5 44.3





#81
 1,2,4-Trichlorobenzene
 Concen: 10.610 ppbv
 RT: 13.448 min Scan# 41
 Delta R.T. -0.007 min
 Lab File: VL042064.D
 Acq: 26 Feb 2025 16:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion:180 Resp: 206330
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.1 112.7
 184 31.6 23.8 35.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2025
 Supervised By :Mahesh Dadoda 02/27/2025

