

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041865.D
 Acq On : 09 Jan 2025 14:27
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 14:50:25 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

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

QLast Update : Thu Jan 09 13:37:17 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	137279	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	407583	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	378604	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 299372 9.232 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 92.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	313199	13.904	ppbv	97
3) Chlorodifluoromethane	1.483	51	337217	15.668	ppbv	100
4) Chloromethane	1.538	50	123832	13.369	ppbv	97
5) Vinyl Chloride	1.586	62	121286	12.983	ppbv	100
6) Bromomethane	1.674	94	60238	15.053	ppbv	100
7) Chloroethane	1.713	64	50126	13.938	ppbv	99
8) Dichlorotetrafluoroethane	1.560	85	278524	14.332	ppbv	94
9) Propene	1.489	41	153753	20.521	ppbv	97
10) Heptane	5.007	43	414222	22.380	ppbv	95
11) Trichlorofluoromethane	1.887	101	330865	14.446	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.149	101	265740	15.579	ppbv	93
13) Ethanol	1.729	45	7417m	8.701	ppbv	
14) Bromoethene	1.790	108	96283	17.241	ppbv #	97
15) Acetone	1.842	43	266190	10.532	ppbv	95
16) 1,3-Butadiene	1.615	39	126652	12.779	ppbv	92
17) tert-Butyl alcohol	2.049	59	359488	16.415	ppbv	99
18) 1,1-Dichloroethene	2.043	96	119220	16.693	ppbv	89
19) Isopropyl Alcohol	1.894	45	160227	13.505	ppbv #	1
20) Methylene Chloride	2.072	84	99639	13.790	ppbv	86
21) Allyl Chloride	2.107	41	206645	15.872	ppbv	90
22) trans-1,2-Dichloroethene	2.353	96	135232	16.942	ppbv	91
23) Vinyl Acetate	2.476	43	172469	21.278	ppbv #	93
24) 1,1-Dichloroethane	2.421	63	258532	14.799	ppbv	98
25) Ethyl Acetate	2.852	43	804978	18.993	ppbv	98
26) Hexane	2.842	57	323683	22.004	ppbv	88
27) Carbon Disulfide	2.162	76	327476	23.457	ppbv #	91
28) Methyl tert-Butyl Ether	2.454	73	238377	21.502	ppbv	98
29) Chloroform	2.865	83	453699	16.603	ppbv	97
30) Cyclohexane	3.878	84	283640	25.414	ppbv	89
31) cis-1,2-Dichloroethene	2.735	61	319115	21.076	ppbv	95
32) 1,1,1-Trichloroethane	3.389	97	467121	18.862	ppbv	94
34) 2-Butanone	2.570	43	467080	14.548	ppbv	96
35) Carbon Tetrachloride	3.784	117	460791	14.959	ppbv	93
36) Benzene	3.677	78	663984	17.053	ppbv	95
37) 1,2-Dichloroethane	3.237	62	353759	13.820	ppbv #	96
38) Trichloroethene	4.577	130	262977	17.230	ppbv	97
39) 1,2-Dichloropropane	4.341	63	238460	15.832	ppbv #	84
40) 1,4-Dioxane	4.609	88	117449	20.124	ppbv #	84
41) Tetrahydrofuran	3.072	42	273858	18.096	ppbv	92
42) Bromodichloromethane	4.515	83	507098	16.892	ppbv	100
43) Methyl Methacrylate	4.910	69	276446	22.609	ppbv	89
44) 2,2,4-Trimethylpentane	4.668	57	1112501	17.341	ppbv	93
45) t-1,3-Dichloropropene	6.448	75	290137	24.306	ppbv	91

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

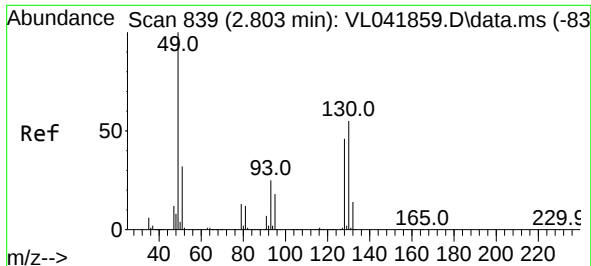
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2025

QLast Update : Thu Jan 09 13:37:17 2025

Response via : Initial Calibration

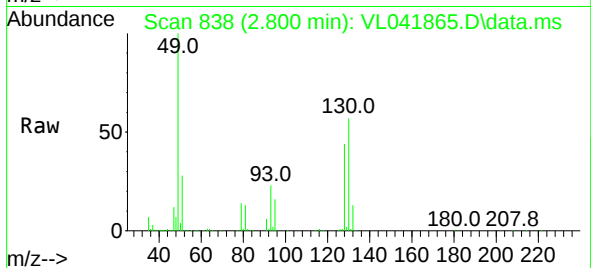
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	370479	23.592	ppbv #	85
47) 1,1,2-Trichloroethane	6.616	97	252224	15.833	ppbv	96
48) Dibromochloromethane	7.412	129	408959	20.167	ppbv	99
49) Bromoform	9.503	173	362905	22.331	ppbv	99
50) 4-Methyl-2-Pentanone	5.787	43	680330	18.341	ppbv	92
51) 2-Hexanone	7.461	43	557793	19.852	ppbv #	87
52) Tetrachloroethene	8.247	164	233663	20.236	ppbv	97
53) Toluene	6.966	91	796461	22.957	ppbv	99
54) 1,2-Dibromoethane	7.678	107	353045	18.098	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.946	131	318489	14.760	ppbv	99
57) Chlorobenzene	8.943	112	578775	14.632	ppbv	100
58) Ethyl Benzene	9.377	91	1081235	20.954	ppbv	100
59) m/p-Xylene	9.574	91	1713669m	37.624	ppbv	
60) o-Xylene	9.985	91	840494	18.971	ppbv	99
61) Styrene	9.892	104	431280	25.091	ppbv	98
62) Isopropylbenzene	10.558	105	1247161	17.917	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.982	83	496124	12.770	ppbv	100
64) n-propylbenzene	11.008	120	326937	18.307	ppbv	90
65) tert-Butylbenzene	11.549	119	1082296	17.255	ppbv	97
66) Benzyl Chloride	11.633	91	113138	21.582	ppbv	96
67) sec-Butylbenzene	11.785	105	1472665	16.090	ppbv	97
69) p-Isopropyltoluene	11.944	119	1277666	17.781	ppbv	98
70) n-Butylbenzene	12.300	91	1262477	17.488	ppbv	95
71) 2-Chlorotoluene	10.921	91	958596	18.973	ppbv	100
72) 4-Ethyltoluene	11.144	105	1009262	18.837	ppbv	98
73) 1,3,5-Trimethylbenzene	11.222	105	866209	18.459	ppbv	96
74) 1,2,4-Trimethylbenzene	11.555	105	905561	16.660	ppbv	92
75) 1,3-Dichlorobenzene	11.626	146	550141	15.122	ppbv	98
76) 1,4-Dichlorobenzene	11.688	146	550306	15.719	ppbv	98
77) 1,2-Dichlorobenzene	11.966	146	519421	13.701	ppbv	99
78) Hexachloro-1,3-Butadiene	13.898	225	411642	15.294	ppbv	99
79) Naphthalene	13.529	128	896443	22.388	ppbv	98
80) Naphthalene,2-methyl-	14.475	142	442992	29.892	ppbv	98
81) 1,2,4-Trichlorobenzene	13.458	180	436412	19.665	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 839
Delta R.T. 0.000 min
Lab File: VL041865.D
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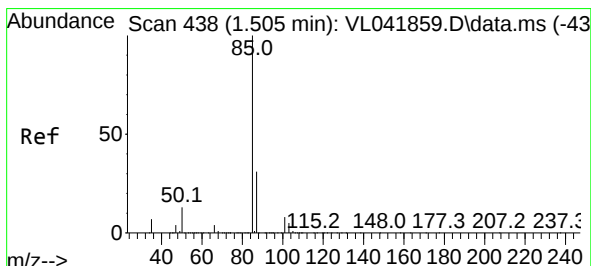
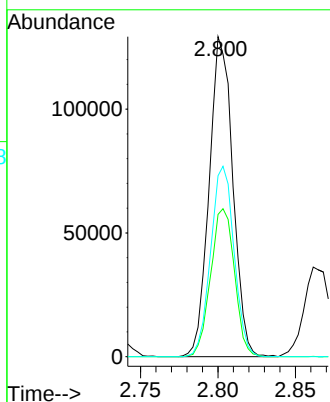
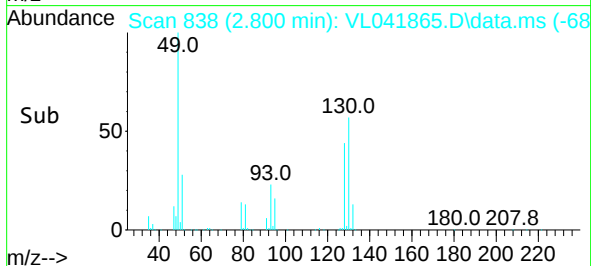
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



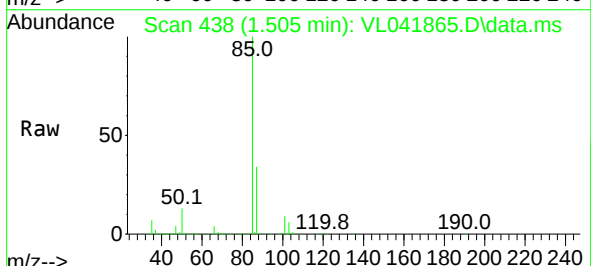
Tgt Ion: 49 Resp: 137279
Ion Ratio Lower Upper
49 100
128 46.6 19.7 59.1
130 59.0 26.4 79.2

Manual Integrations
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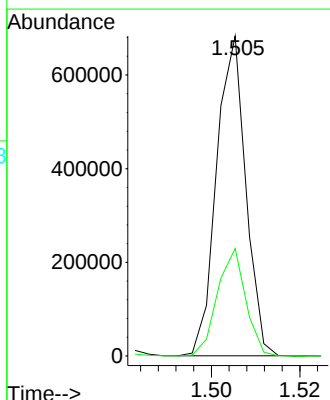
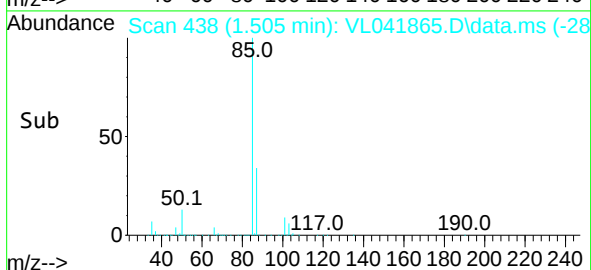
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

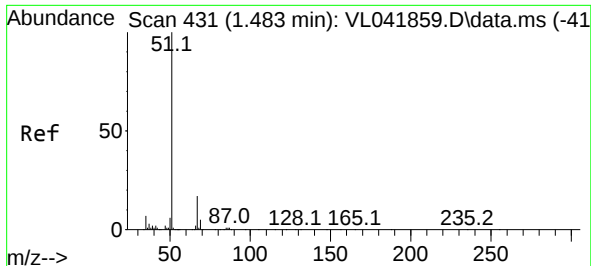


#2
Dichlorodifluoromethane
Concen: 13.904 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



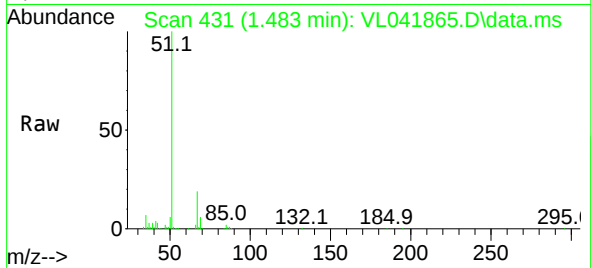
Tgt Ion: 85 Resp: 313199
Ion Ratio Lower Upper
85 100
87 33.6 25.6 38.4





#3
Chlorodifluoromethane
Concen: 15.668 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

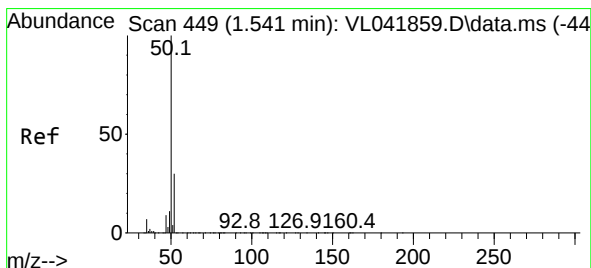
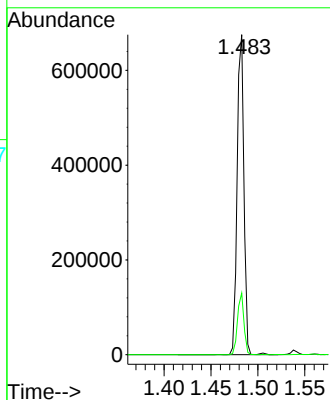
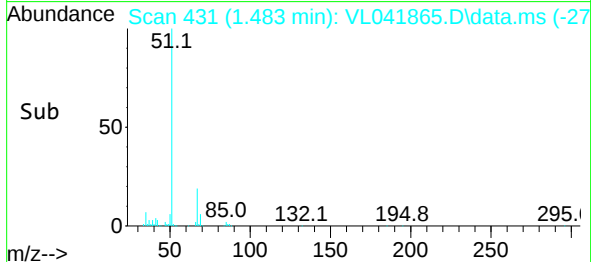
Instrument :
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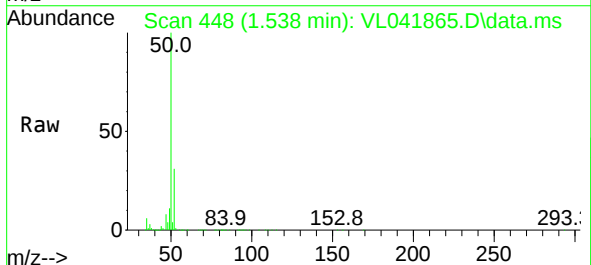
Tgt Ion: 51 Resp: 33721
Ion Ratio Lower Upper
51 100
67 18.3 14.6 22.0

Manual Integrations
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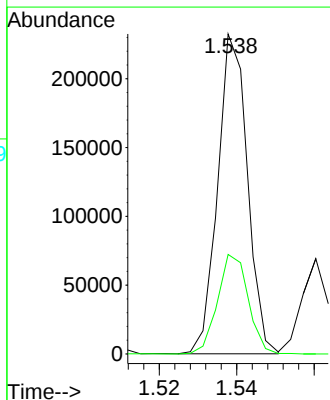
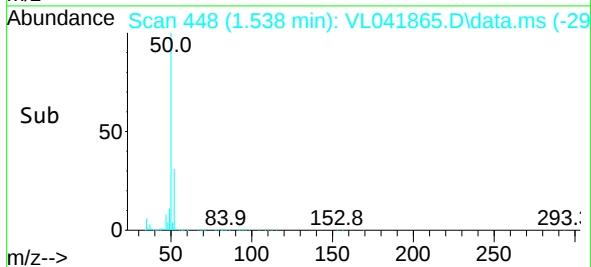
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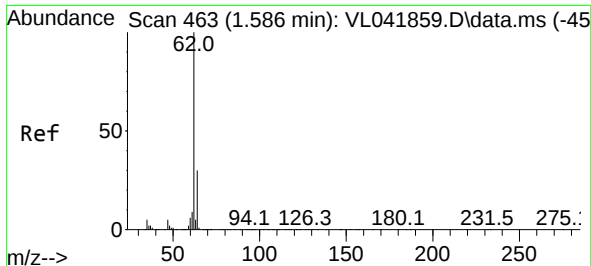


#4
Chloromethane
Concen: 13.369 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



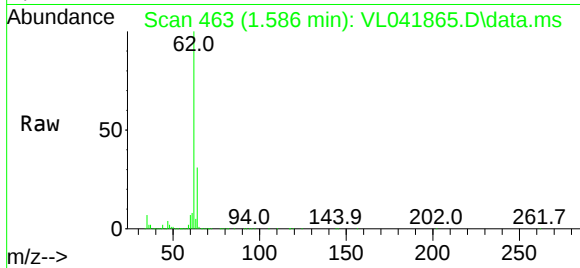
Tgt Ion: 50 Resp: 123832
Ion Ratio Lower Upper
50 100
52 31.1 26.1 39.1





#5
 Vinyl Chloride
 Concen: 12.983 ppbv
 RT: 1.586 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

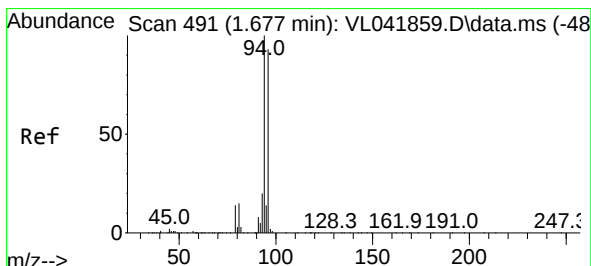
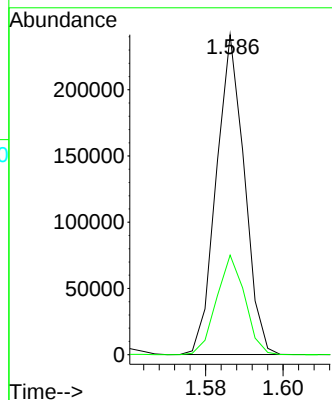
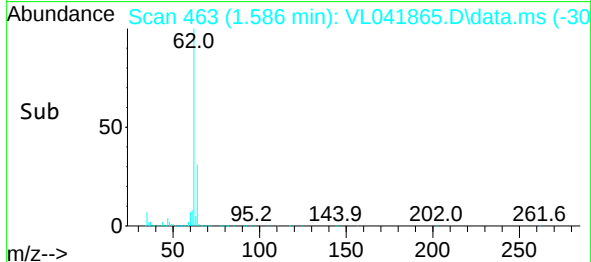
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



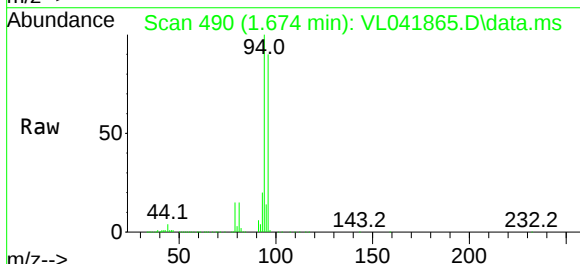
Tgt Ion: 62 Resp: 121280
 Ion Ratio Lower Upper
 62 100
 64 31.1 24.9 37.3

Manual Integrations
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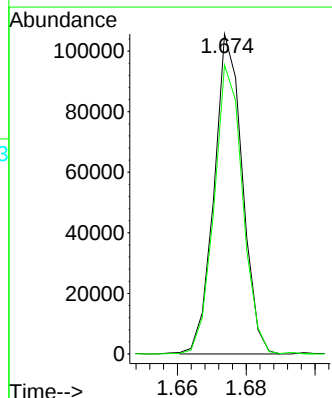
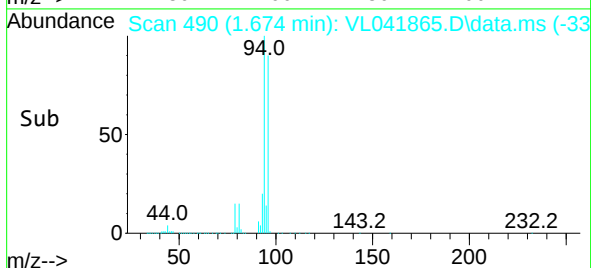
Reviewed By :Mahesh Dadoda 01/10/2025
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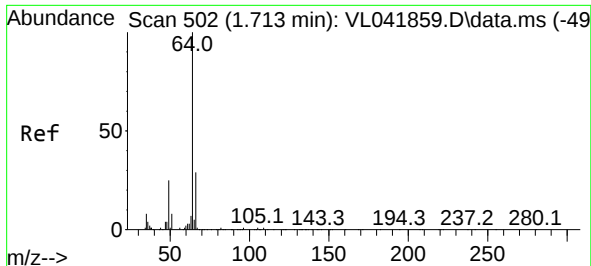


#6
 Bromomethane
 Concen: 15.053 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.000 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27



Tgt Ion: 94 Resp: 60238
 Ion Ratio Lower Upper
 94 100
 96 90.1 72.0 108.0





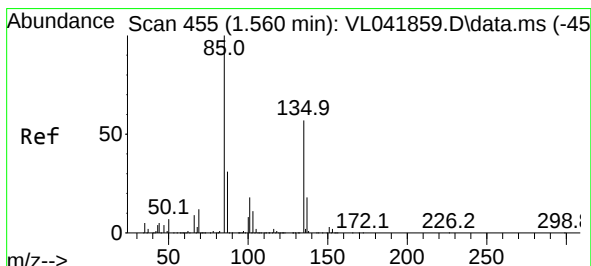
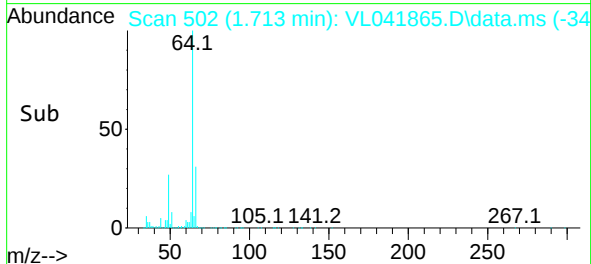
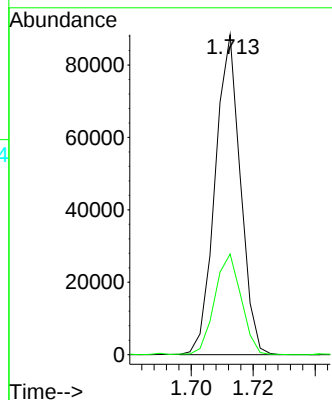
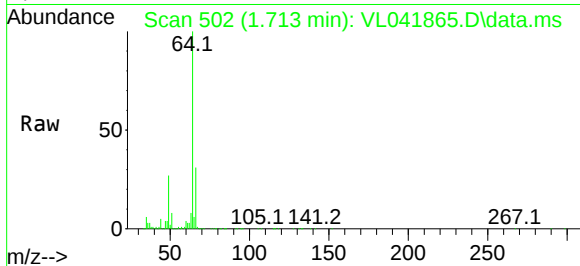
#7
Chloroethane
Concen: 13.938 ppbv
RT: 1.713 min Scan# 502
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 64 Resp: 50120
Ion Ratio Lower Upper
64 100
66 31.5 25.6 38.4

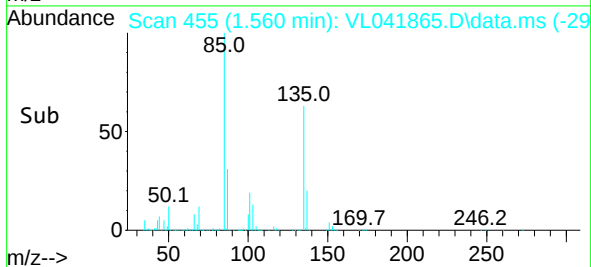
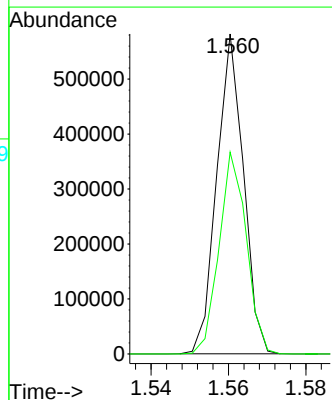
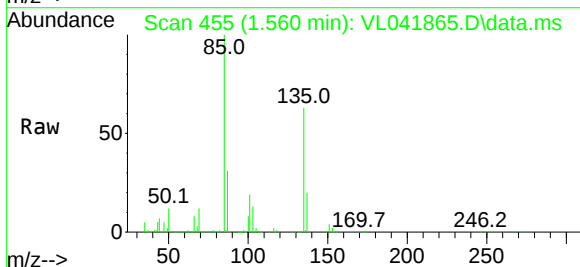
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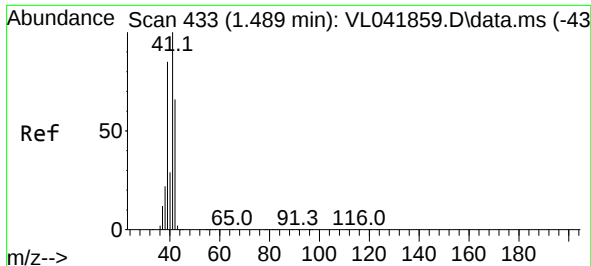
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#8
Dichlorotetrafluoroethane
Concen: 14.332 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

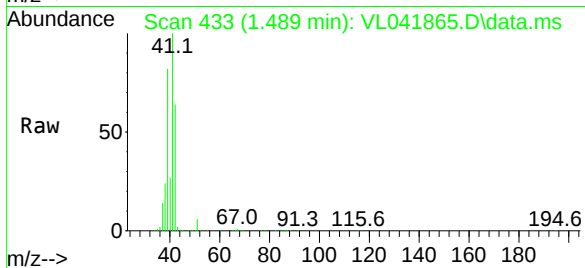
Tgt Ion: 85 Resp: 278524
Ion Ratio Lower Upper
85 100
135 64.6 47.9 71.9





#9
 Propene
 Concen: 20.521 ppbv
 RT: 1.489 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

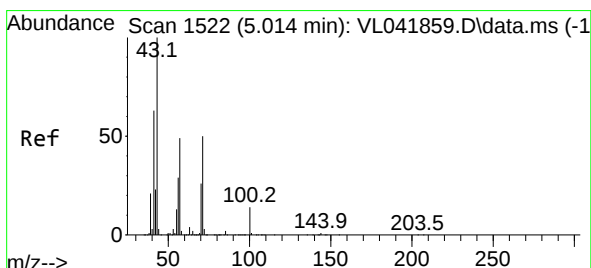
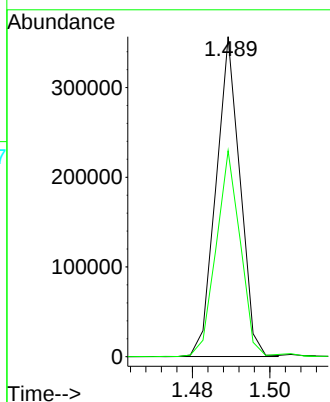
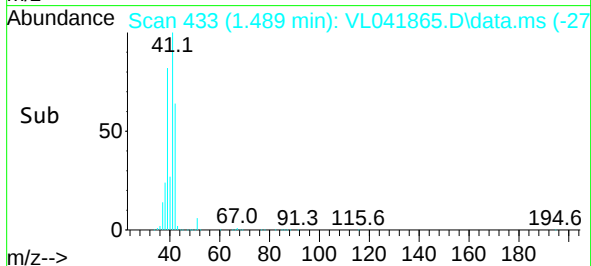
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



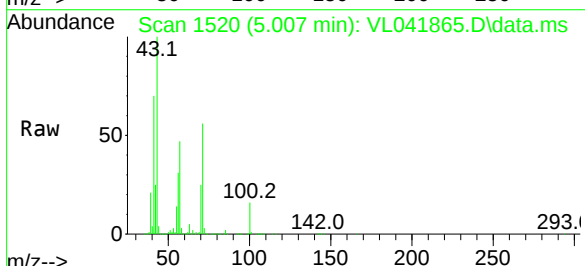
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 Ion Ratio Lower Upper
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 42 65.7 54.4 81.6

Manual Integrations
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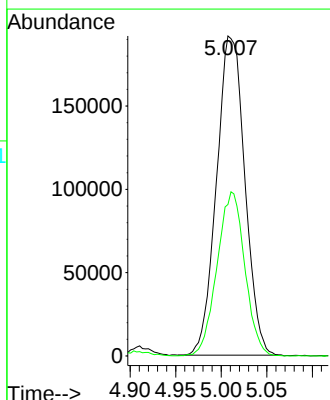
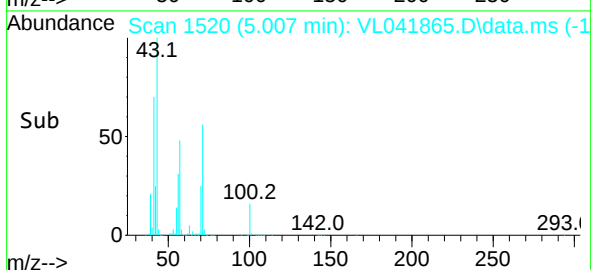
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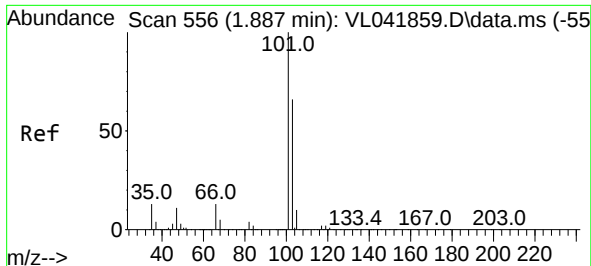


#10
 Heptane
 Concen: 22.380 ppbv
 RT: 5.007 min Scan# 1520
 Delta R.T. 0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27



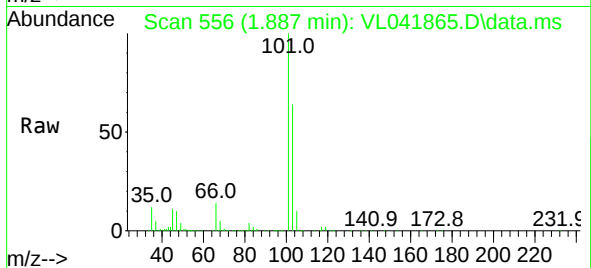
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 Ion Ratio Lower Upper
 43 100
 57 50.4 37.8 56.6





#11
Trichlorofluoromethane
Concen: 14.446 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

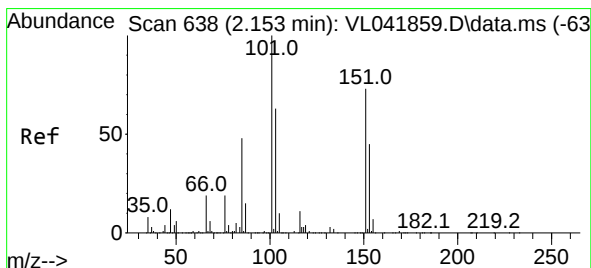
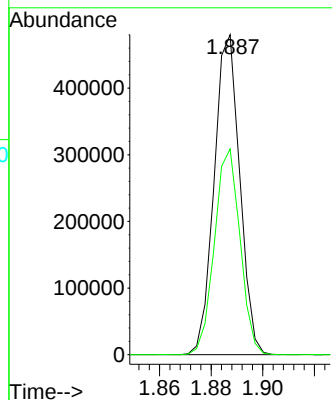
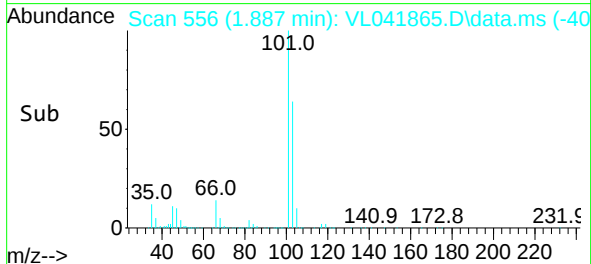
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



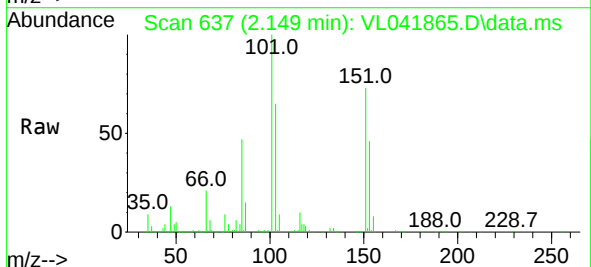
Tgt Ion:101 Resp: 33086
Ion Ratio Lower Upper
101 100
103 64.3 49.4 74.0

Manual Integrations
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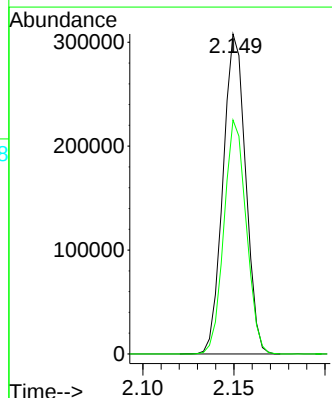
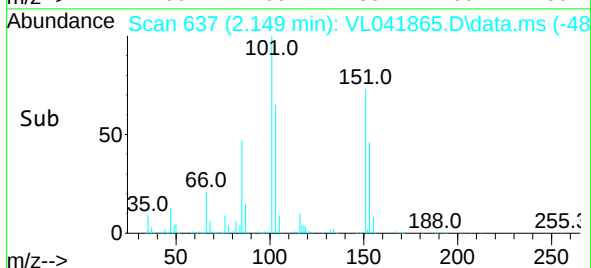
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

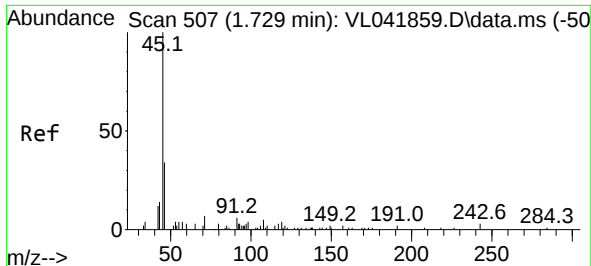


#12
1,1,2-Trichlorotrifluoroethane
Concen: 15.579 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



Tgt Ion:101 Resp: 265740
Ion Ratio Lower Upper
101 100
151 71.9 53.2 79.8





#13

Ethanol

Concen: 8.701 ppbv m

RT: 1.729 min Scan# 507

Delta R.T. 0.000 min

Lab File: VL041865.D

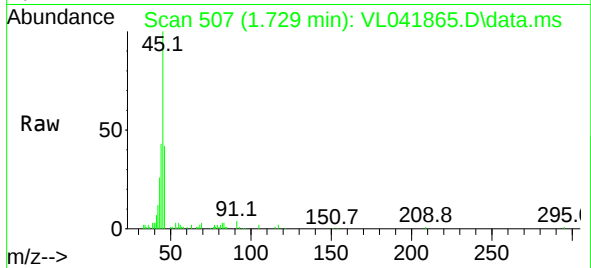
Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion: 45 Resp: 741

Ion Ratio Lower Upper

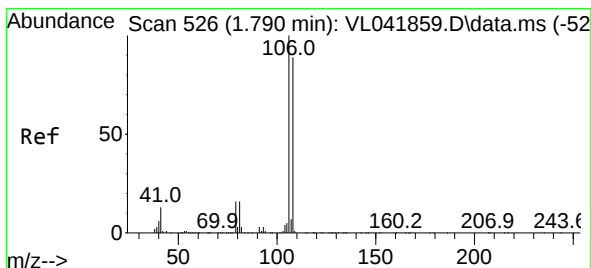
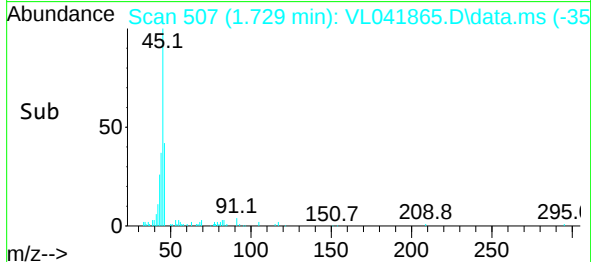
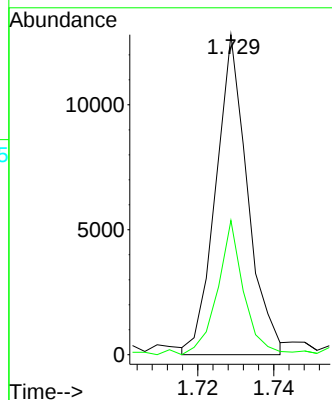
45 100

46 39.4 16.1 64.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#14

Bromoethene

Concen: 17.241 ppbv

RT: 1.790 min Scan# 526

Delta R.T. 0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

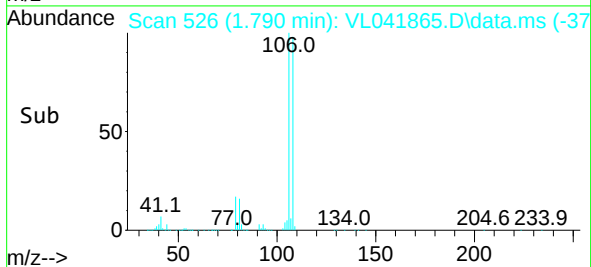
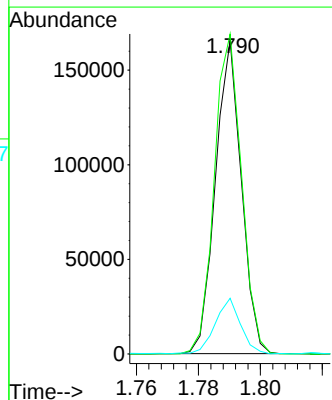
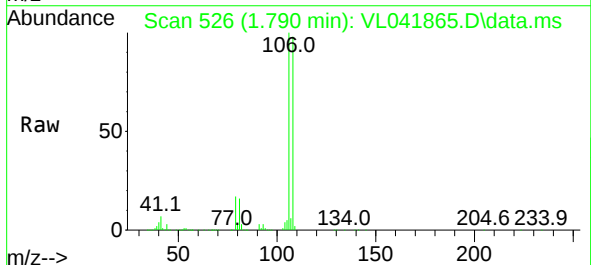
Tgt Ion:108 Resp: 96283

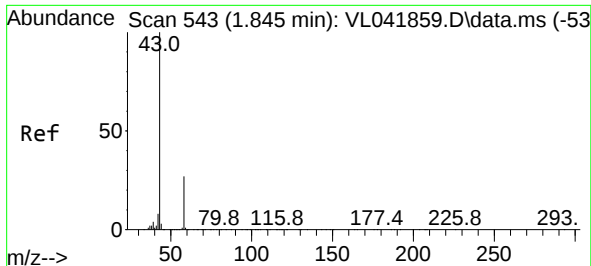
Ion Ratio Lower Upper

108 100

106 107.2 84.6 126.8

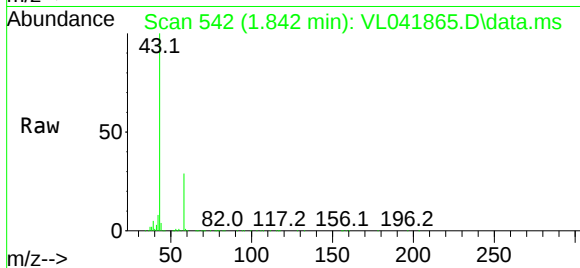
79 17.7 18.3 27.5#





#15
Acetone
Concen: 10.532 ppbv
RT: 1.842 min Scan# 543
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

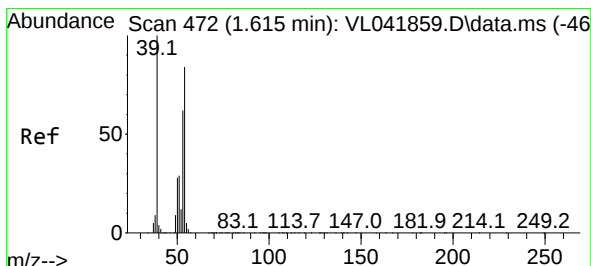
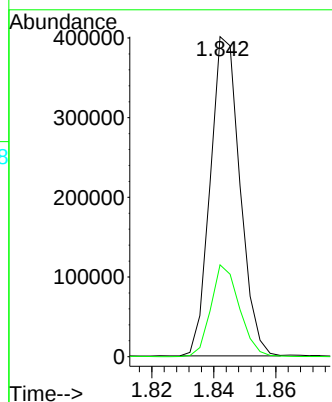
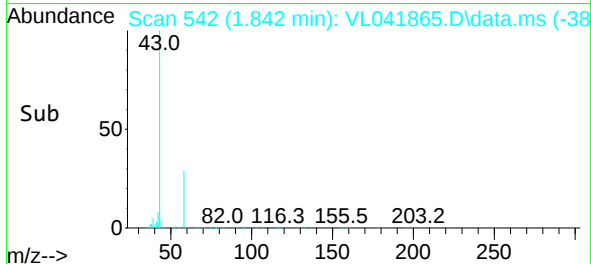
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 43 Resp: 266190
Ion Ratio Lower Upper
43 100
58 27.9 20.2 30.2

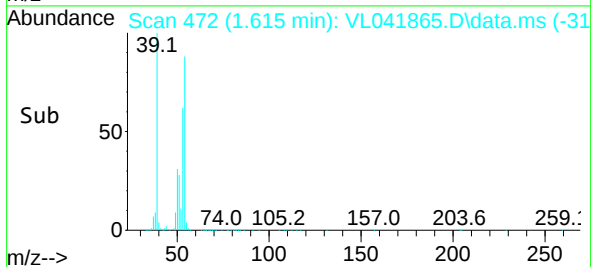
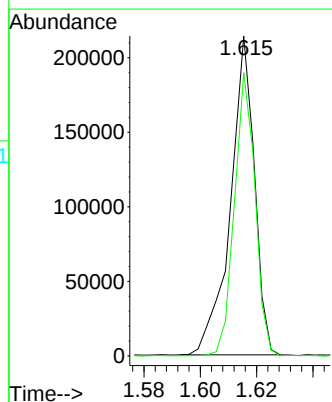
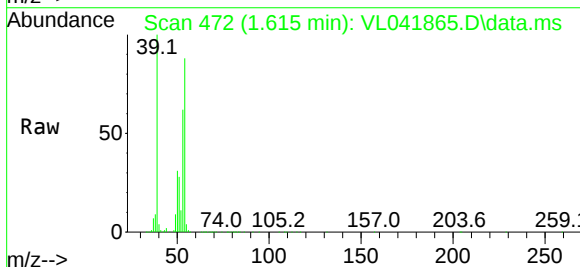
Manual Integrations
APPROVED

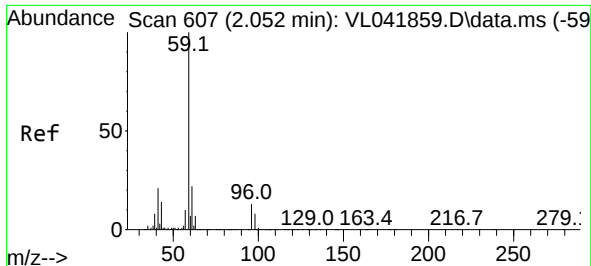
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#16
1,3-Butadiene
Concen: 12.779 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion: 39 Resp: 126652
Ion Ratio Lower Upper
39 100
54 76.8 56.2 84.4





#17

tert-Butyl alcohol

Concen: 16.415 ppbv

RT: 2.049 min Scan# 607

Delta R.T. 0.000 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 59 Resp: 35948

Ion Ratio Lower Upper

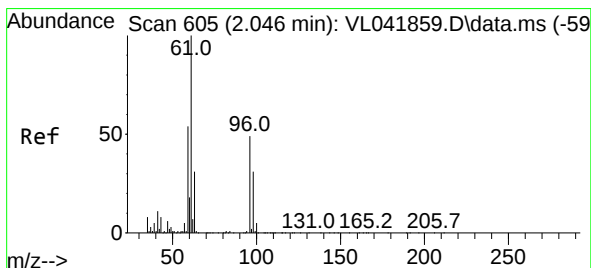
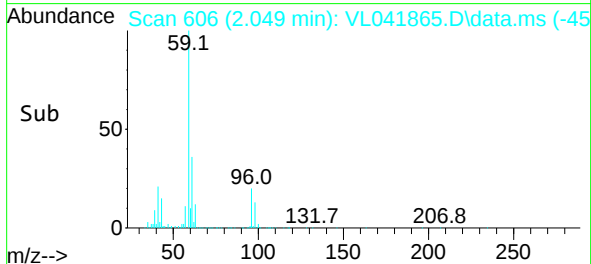
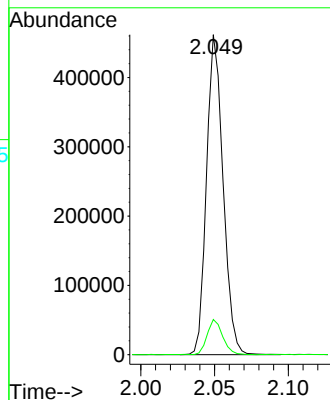
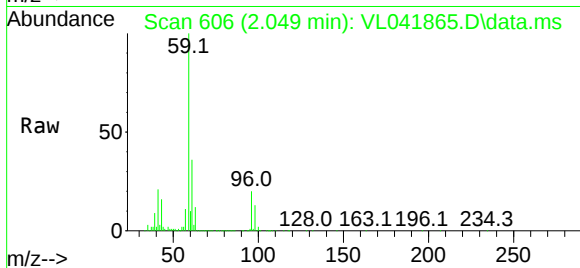
59 100

57 10.5 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#18

1,1-Dichloroethene

Concen: 16.693 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.000 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

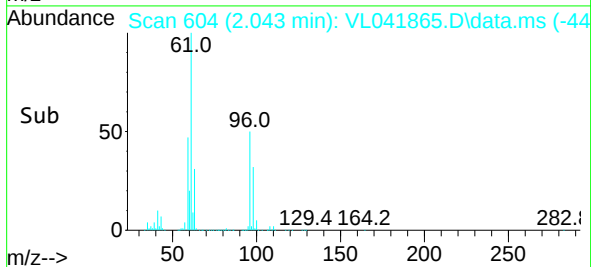
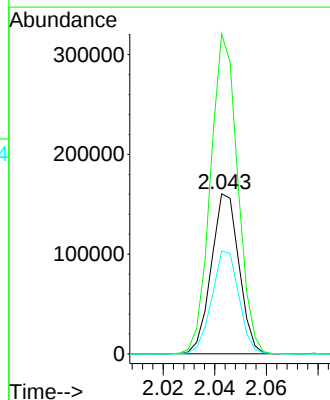
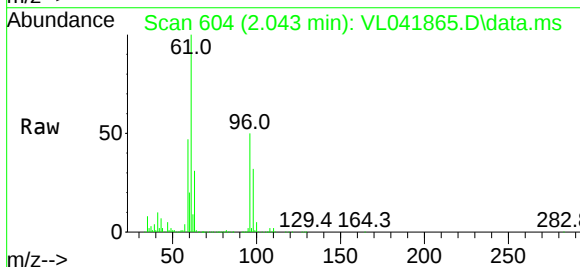
Tgt Ion: 96 Resp: 119220

Ion Ratio Lower Upper

96 100

61 200.1 179.2 268.8

98 64.4 51.6 77.4





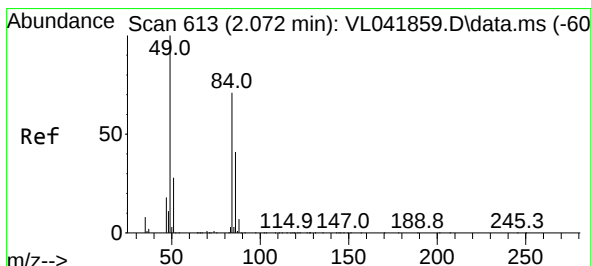
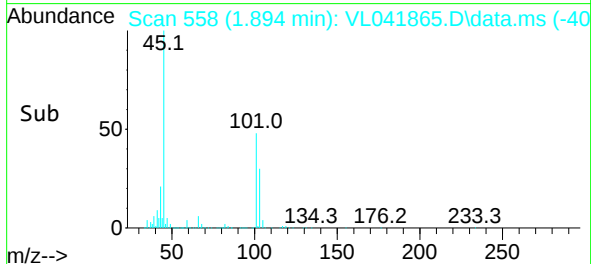
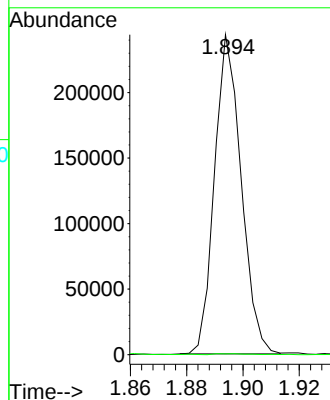
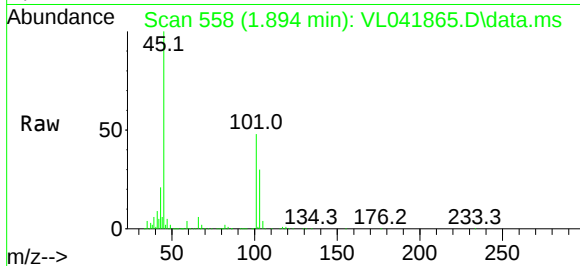
#19
Isopropyl Alcohol
Concen: 13.505 ppbv
RT: 1.894 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 45 Resp: 160227
Ion Ratio Lower Upper
45 100
58 46.4 2.0 3.0

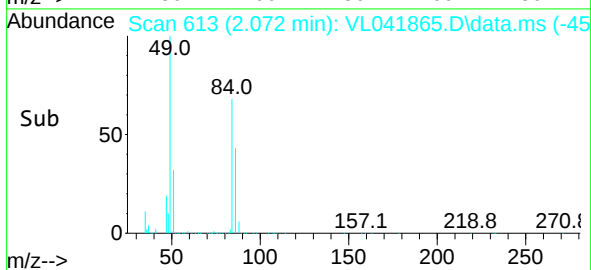
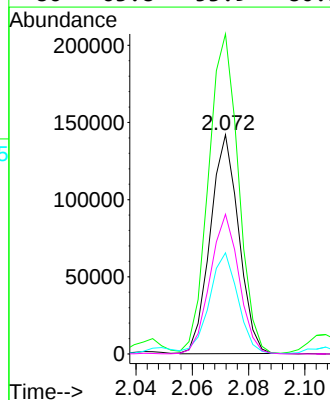
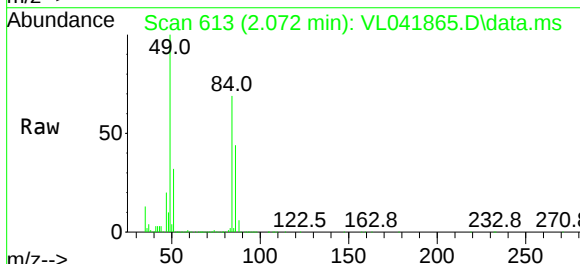
Manual Integrations
APPROVED

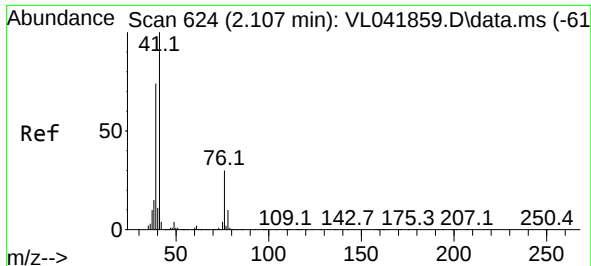
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#20
Methylene Chloride
Concen: 13.790 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

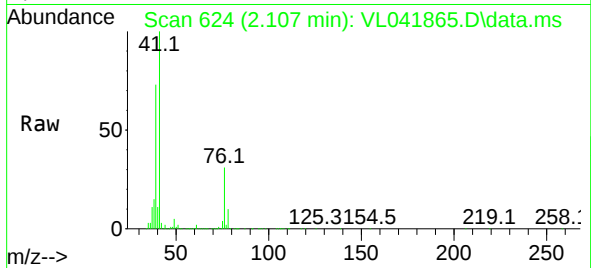
Tgt Ion: 84 Resp: 99639
Ion Ratio Lower Upper
84 100
49 145.9 137.8 206.8
51 46.0 43.9 65.9
86 63.8 53.9 80.9





#21
 Allyl Chloride
 Concen: 15.872 ppbv
 RT: 2.107 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

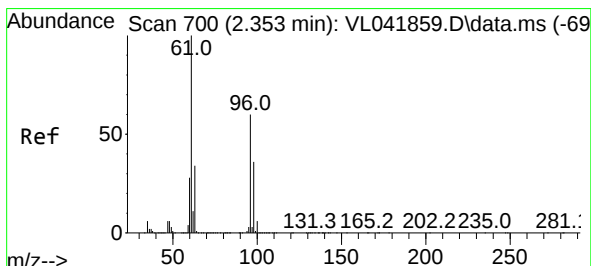
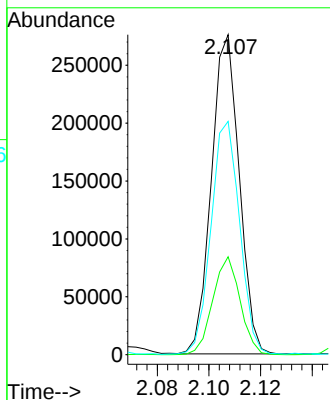
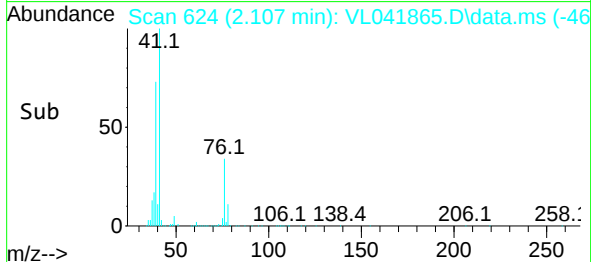
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



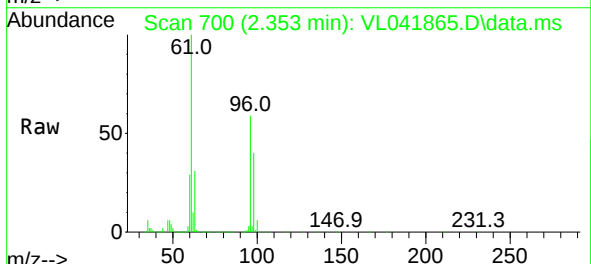
Tgt Ion: 41 Resp: 206649
 Ion Ratio Lower Upper
 41 100
 76 30.3 20.6 31.0
 39 74.6 67.4 101.2

Manual Integrations
 APPROVED

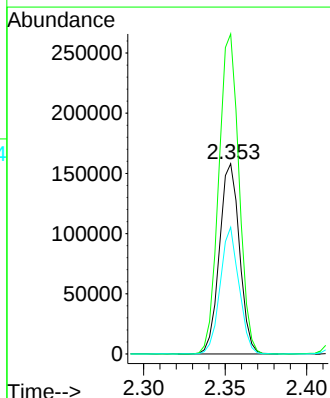
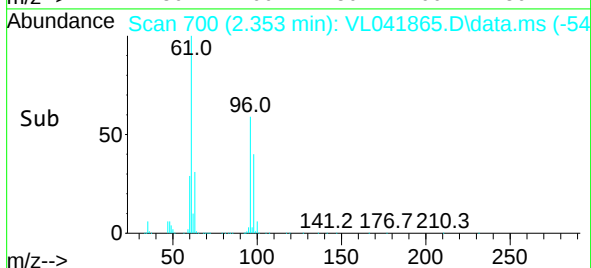
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

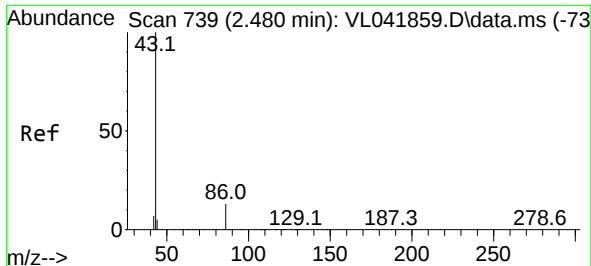


#22
 trans-1,2-Dichloroethene
 Concen: 16.942 ppbv
 RT: 2.353 min Scan# 700
 Delta R.T. 0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27



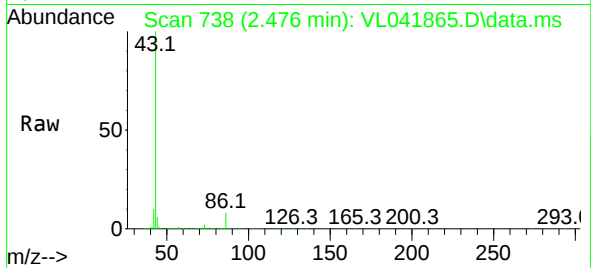
Tgt Ion: 96 Resp: 135232
 Ion Ratio Lower Upper
 96 100
 61 168.2 144.0 216.0
 98 66.7 46.9 70.3





#23
 Vinyl Acetate
 Concen: 21.278 ppbv
 RT: 2.476 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

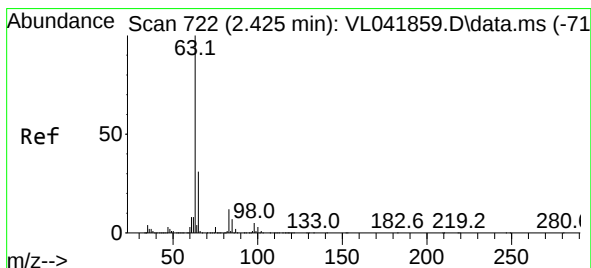
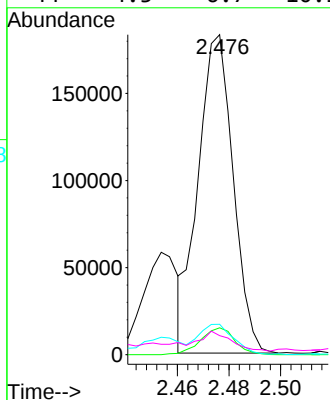
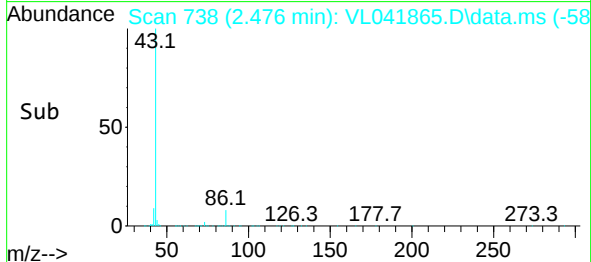
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



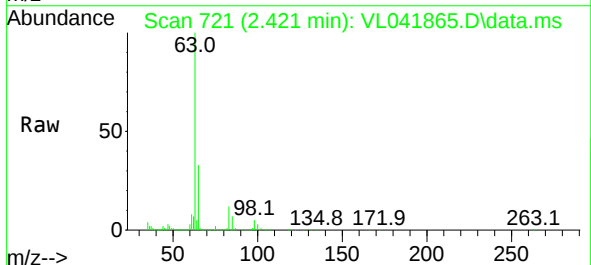
Tgt Ion: 43 Resp: 172469
 Ion Ratio Lower Upper
 43 100
 86 8.5 6.4 9.6
 42 9.3 9.5 14.3
 44 4.3 6.7 10.1

Manual Integrations
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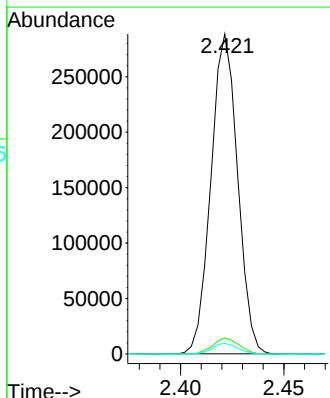
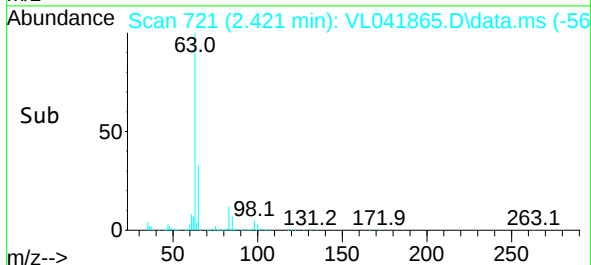
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

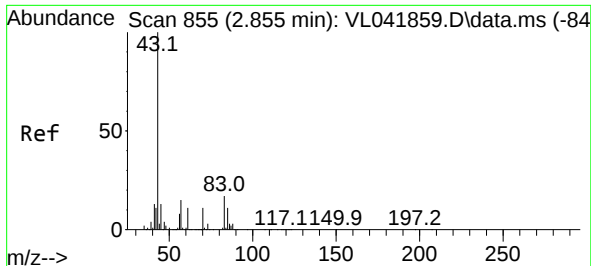


#24
 1,1-Dichloroethane
 Concen: 14.799 ppbv
 RT: 2.421 min Scan# 721
 Delta R.T. 0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27



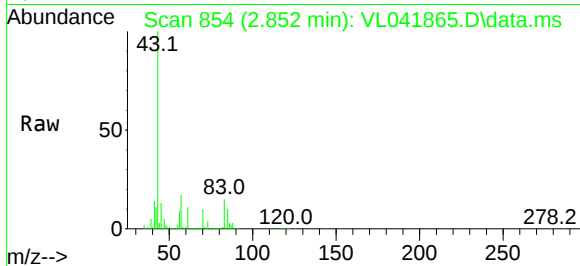
Tgt Ion: 63 Resp: 258532
 Ion Ratio Lower Upper
 63 100
 98 5.0 2.3 6.9
 100 3.3 1.4 4.0





#25
Ethyl Acetate
Concen: 18.993 ppbv
RT: 2.852 min Scan# 804978
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

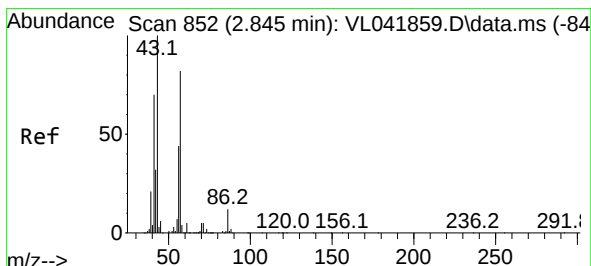
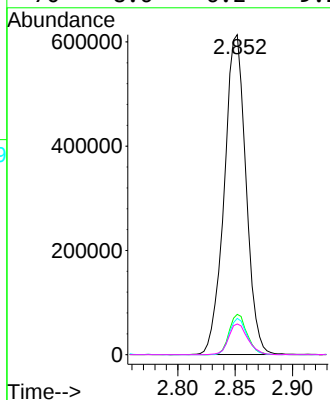
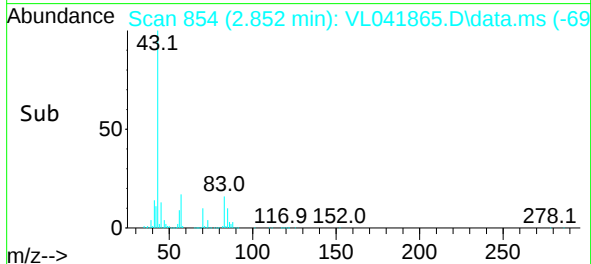
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



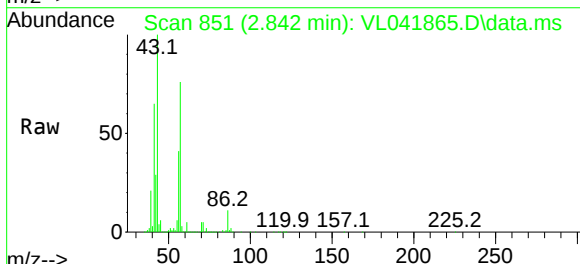
Tgt Ion: 43 Resp: 804978
Ion Ratio Lower Upper
43 100
45 10.4 7.8 11.8
61 9.4 7.0 10.6
70 8.6 6.2 9.2

Manual Integrations
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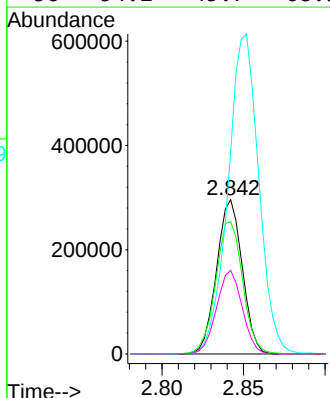
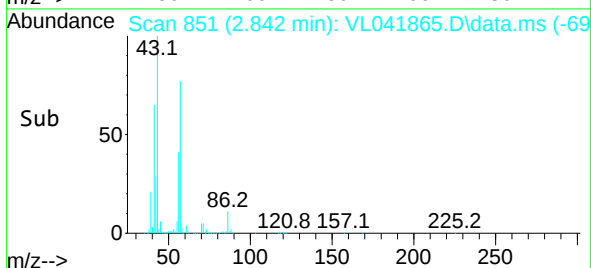
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

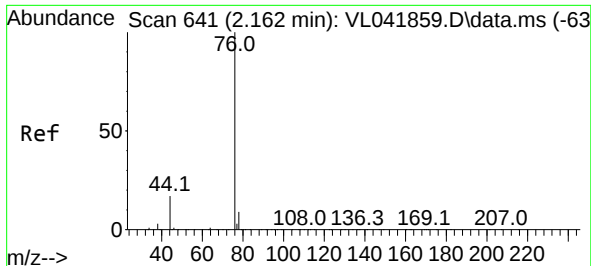


#26
Hexane
Concen: 22.004 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



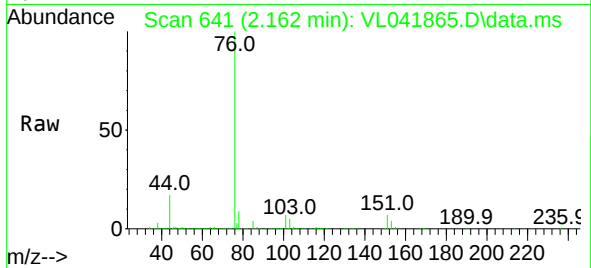
Tgt Ion: 57 Resp: 323683
Ion Ratio Lower Upper
57 100
41 90.9 84.1 126.1
43 250.1 218.4 327.6
56 54.2 45.7 68.5





#27
Carbon Disulfide
Concen: 23.457 ppbv
RT: 2.162 min Scan# 641
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

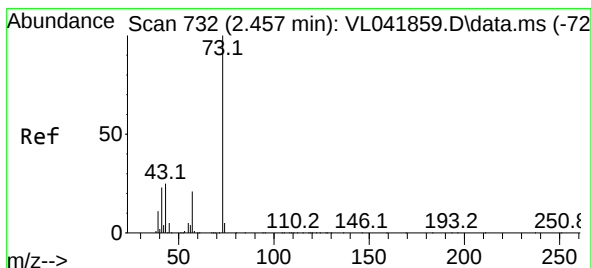
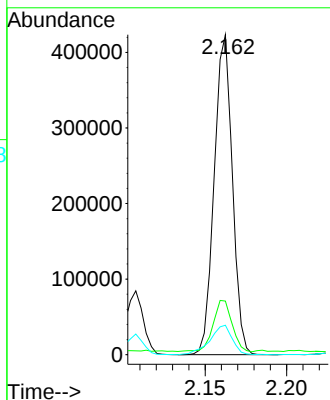
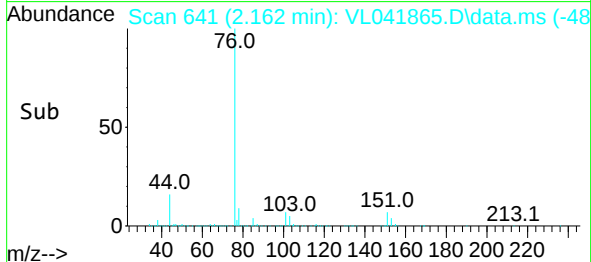
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 76 Resp: 327470
Ion Ratio Lower Upper
76 100
44 18.6 19.8 29.8
78 11.3 9.8 14.8

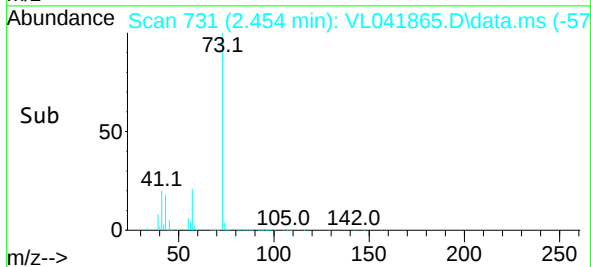
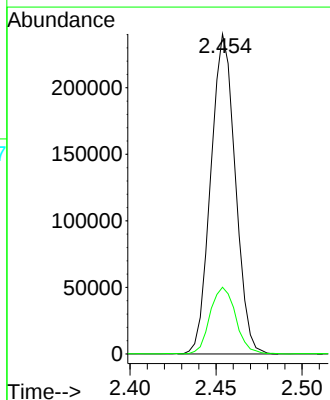
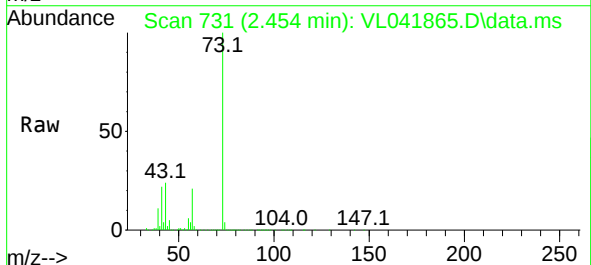
Manual Integrations
APPROVED

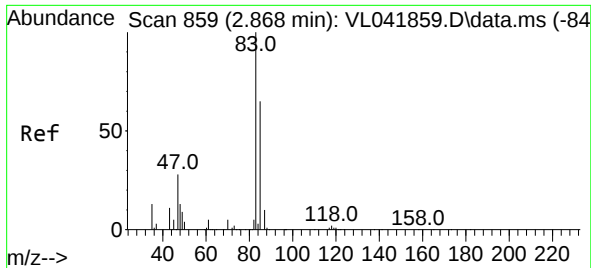
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#28
Methyl tert-Butyl Ether
Concen: 21.502 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

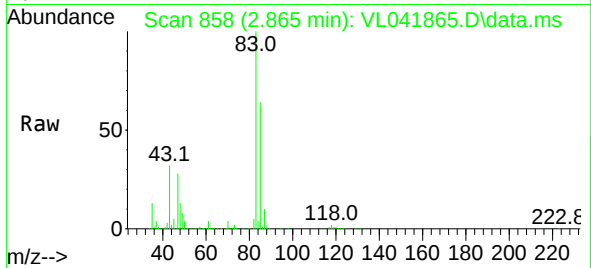
Tgt Ion: 73 Resp: 238377
Ion Ratio Lower Upper
73 100
57 21.9 18.4 27.6





#29
Chloroform
Concen: 16.603 ppbv
RT: 2.865 min Scan# 859
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

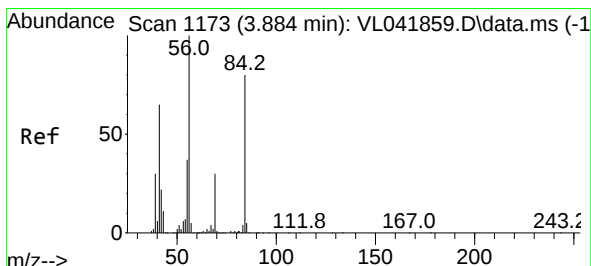
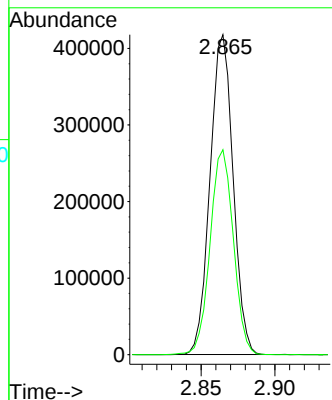
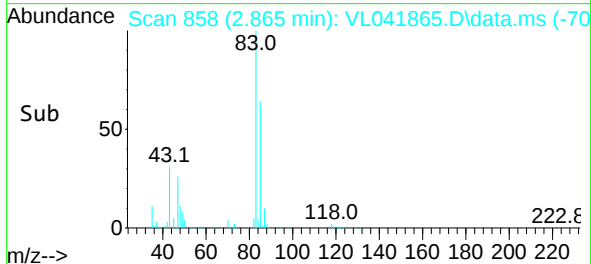
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 83 Resp: 453699
Ion Ratio Lower Upper
83 100
85 64.1 49.6 74.4

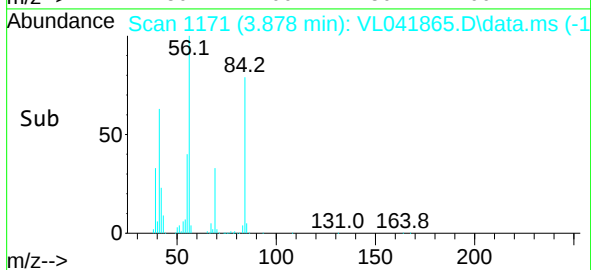
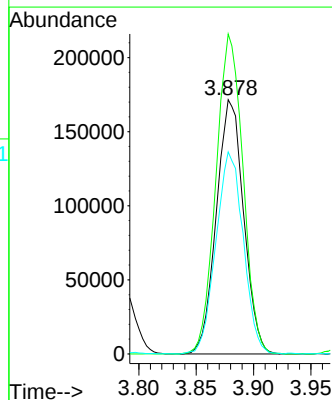
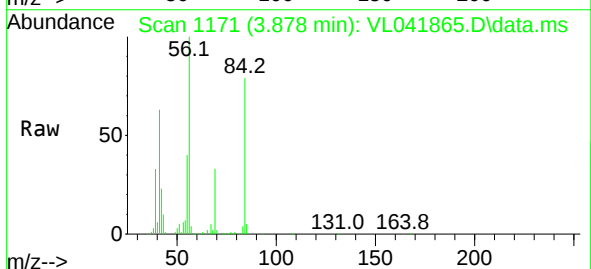
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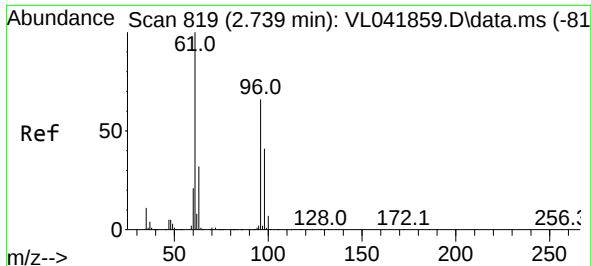
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#30
Cyclohexane
Concen: 25.414 ppbv
RT: 3.878 min Scan# 1171
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

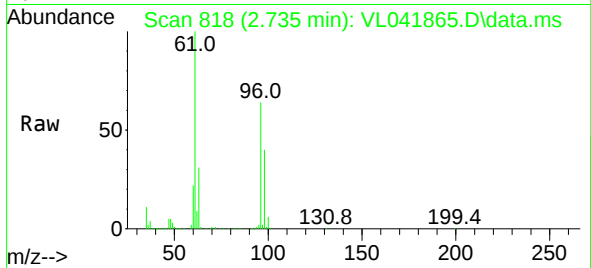
Tgt Ion: 84 Resp: 283640
Ion Ratio Lower Upper
84 100
56 124.6 105.0 157.6
41 80.0 78.9 118.3





#31
 cis-1,2-Dichloroethene
 Concen: 21.076 ppbv
 RT: 2.735 min Scan# 819
 Delta R.T. 0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

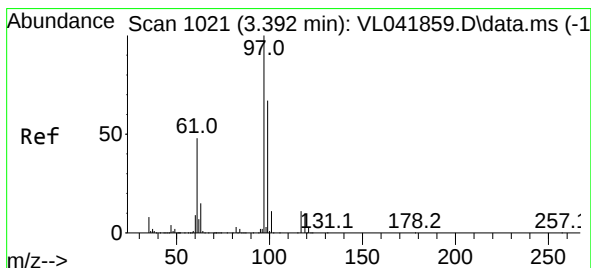
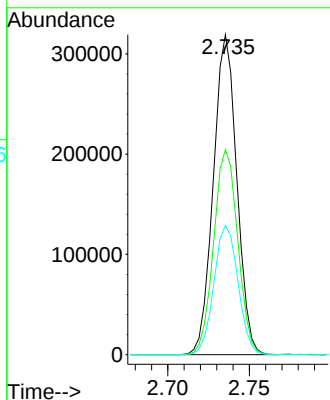
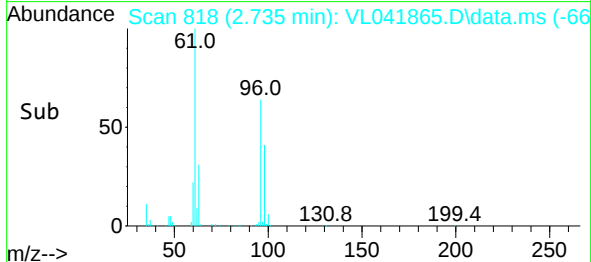
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



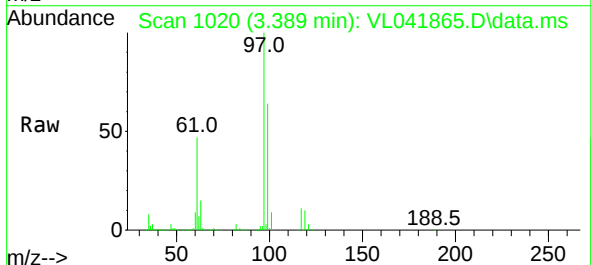
Tgt Ion: 61 Resp: 319111
 Ion Ratio Lower Upper
 61 100
 96 64.1 47.6 71.4
 98 40.4 30.2 45.2

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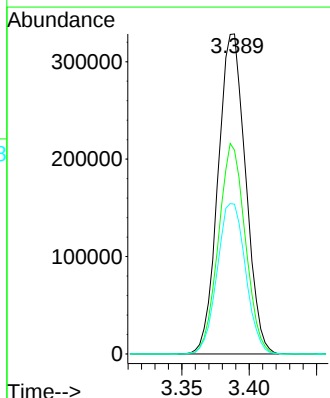
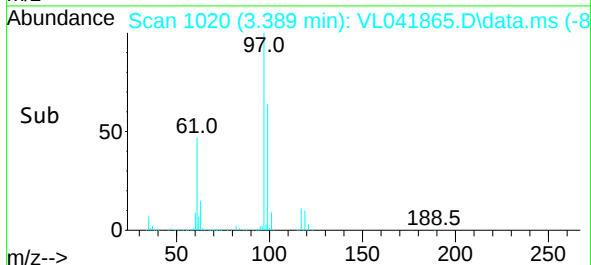
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

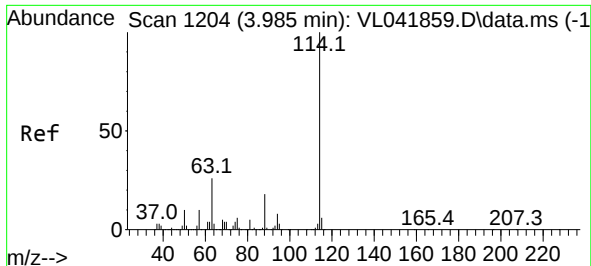


#32
 1,1,1-Trichloroethane
 Concen: 18.862 ppbv
 RT: 3.389 min Scan# 1020
 Delta R.T. 0.007 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27



Tgt Ion: 97 Resp: 467121
 Ion Ratio Lower Upper
 97 100
 99 63.9 50.6 76.0
 61 48.4 45.0 67.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.981 min Scan# 11

Delta R.T. 0.007 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:114 Resp: 40758

Ion Ratio Lower Upper

114 100

63 24.8 22.3 33.5

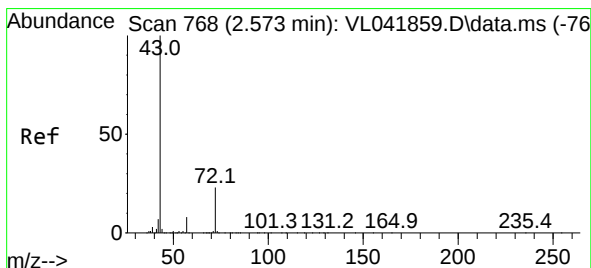
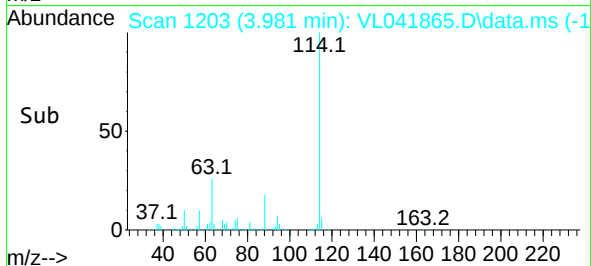
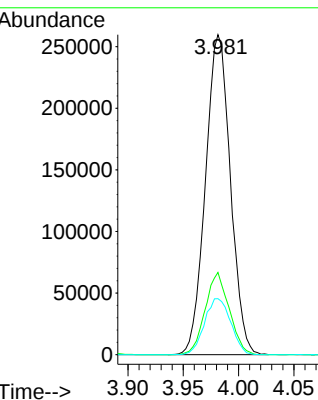
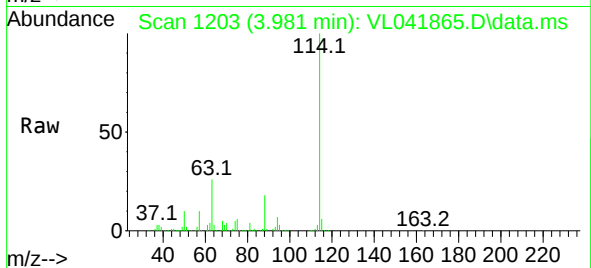
88 18.4 14.9 22.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#34

2-Butanone

Concen: 14.548 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.003 min

Lab File: VL041865.D

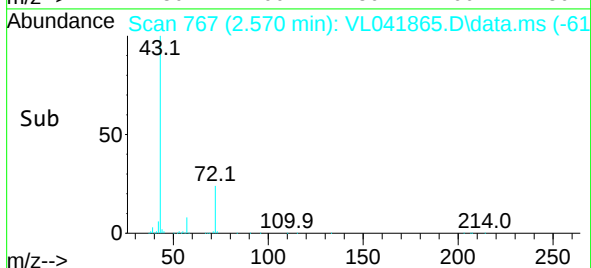
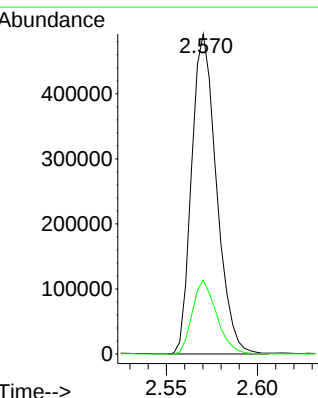
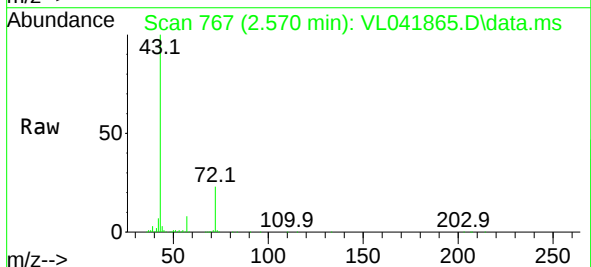
Acq: 09 Jan 2025 14:27

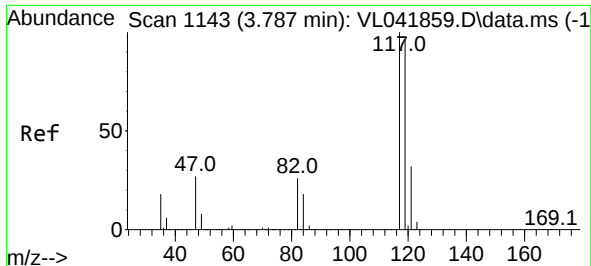
Tgt Ion: 43 Resp: 467080

Ion Ratio Lower Upper

43 100

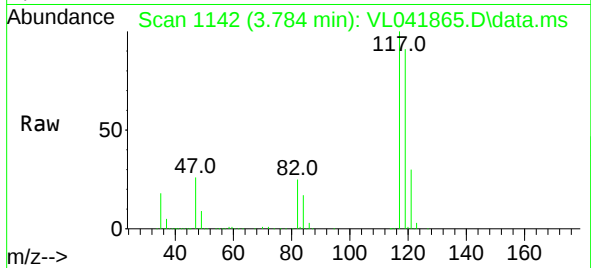
72 22.5 16.6 25.0





#35
Carbon Tetrachloride
Concen: 14.959 ppbv
RT: 3.784 min Scan# 1143
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

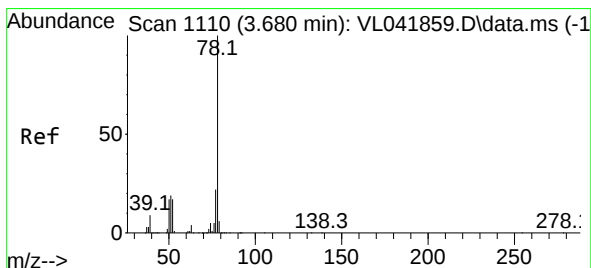
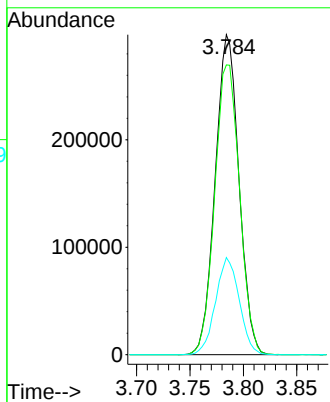
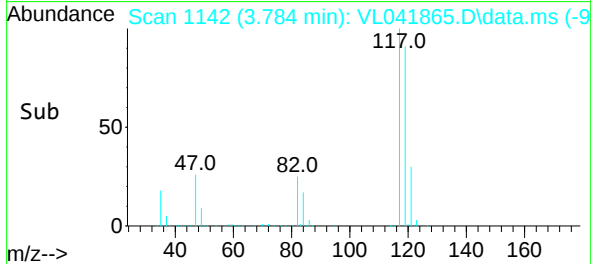
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



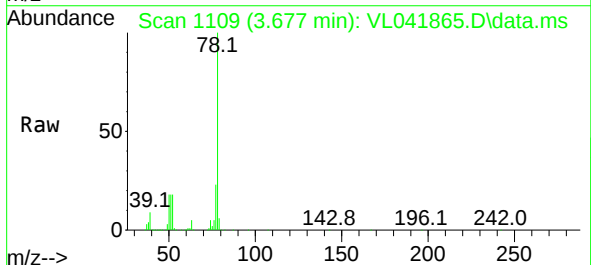
Tgt Ion: 117 Resp: 460791
Ion Ratio Lower Upper
117 100
119 90.5 79.1 118.7
121 30.3 24.2 36.2

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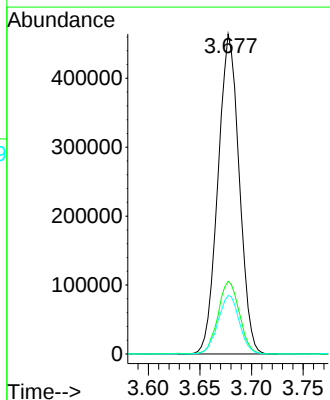
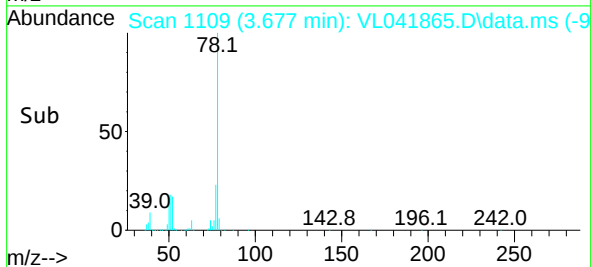
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

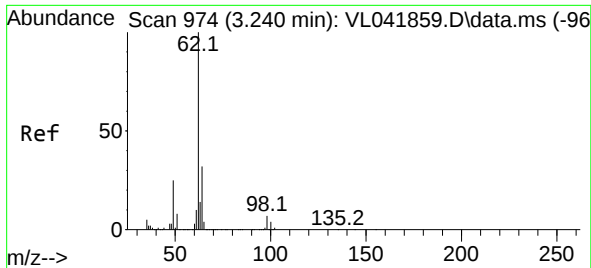


#36
Benzene
Concen: 17.053 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



Tgt Ion: 78 Resp: 663984
Ion Ratio Lower Upper
78 100
77 22.7 17.4 26.0
50 18.2 17.3 25.9





#37

1,2-Dichloroethane

Concen: 13.820 ppbv

RT: 3.237 min Scan# 91

Delta R.T. 0.007 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 62 Resp: 35375

Ion Ratio Lower Upper

62 100

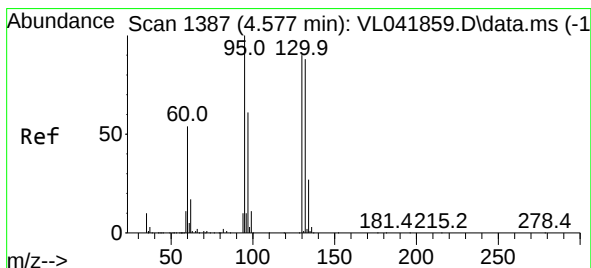
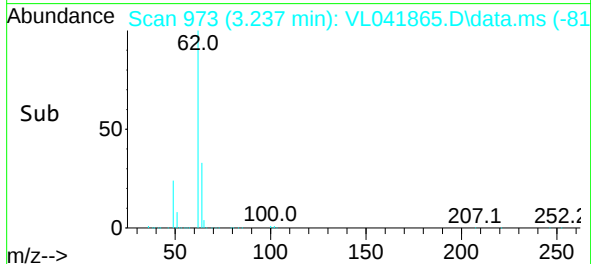
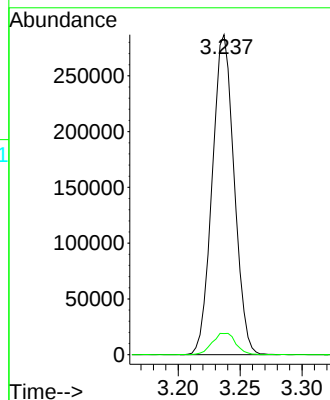
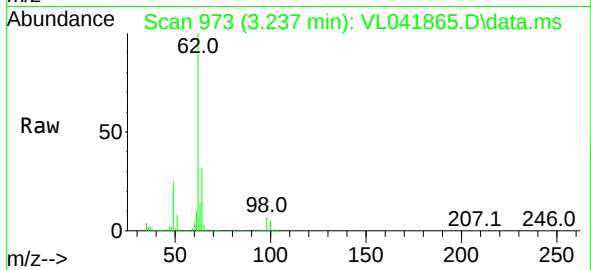
98 7.2 4.8 7.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#38

Trichloroethene

Concen: 17.230 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. 0.007 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Tgt Ion:130 Resp: 262977

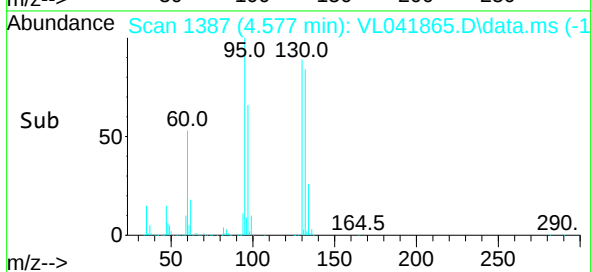
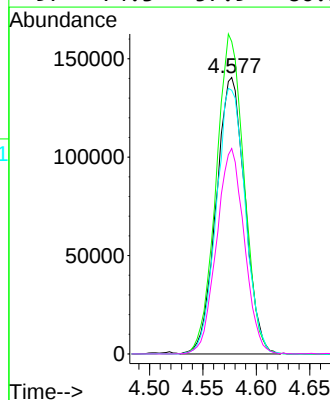
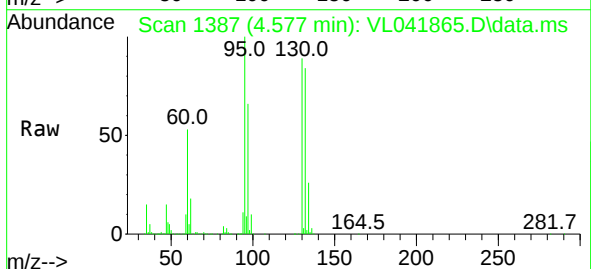
Ion Ratio Lower Upper

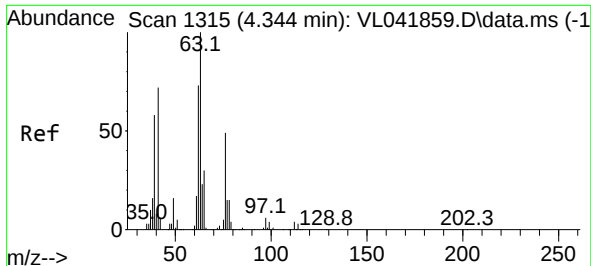
130 100

95 112.7 90.1 135.1

132 95.3 71.8 107.8

97 74.3 57.9 86.9





#39

1,2-Dichloropropane

Concen: 15.832 ppbv

RT: 4.341 min Scan# 1315

Delta R.T. 0.007 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 63 Resp: 238460

Ion Ratio Lower Upper

63 100

41 73.3 77.7 116.5

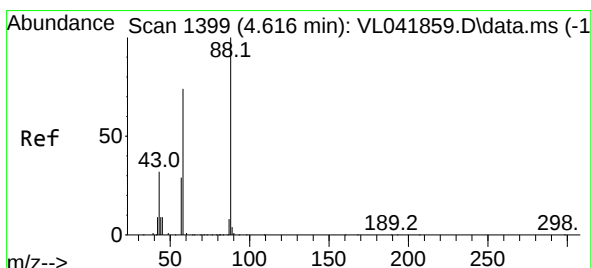
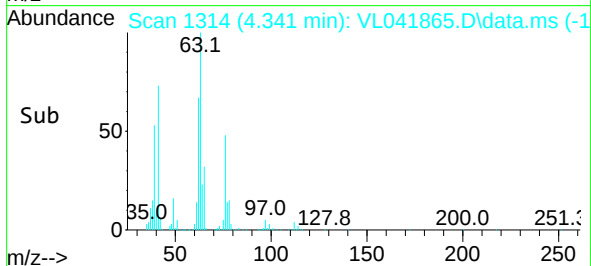
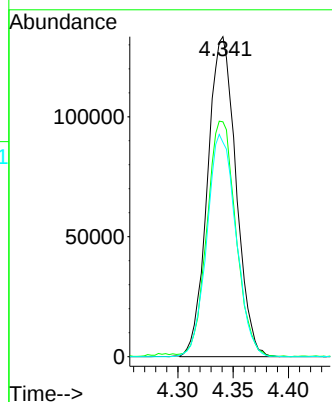
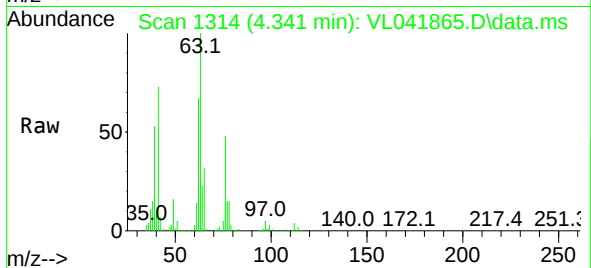
62 66.9 56.2 84.2

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Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#40

1,4-Dioxane

Concen: 20.124 ppbv

RT: 4.609 min Scan# 1397

Delta R.T. 0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Tgt Ion: 88 Resp: 117449

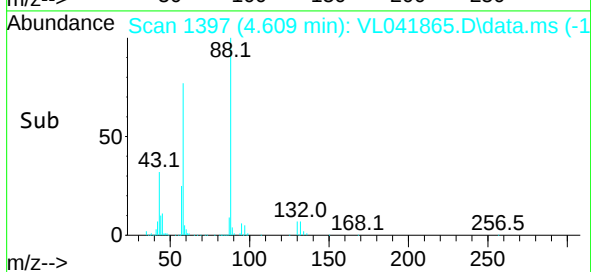
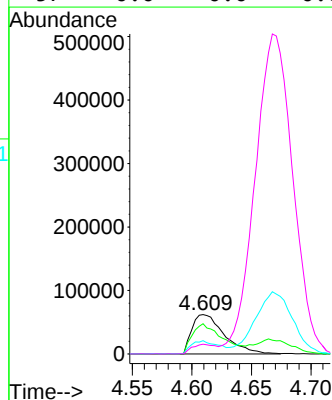
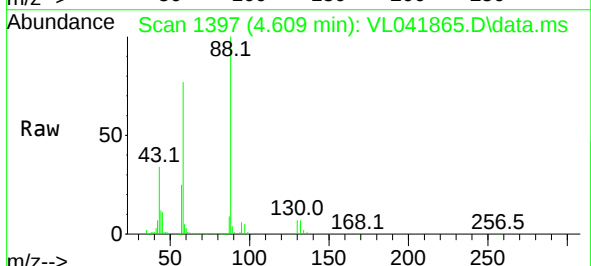
Ion Ratio Lower Upper

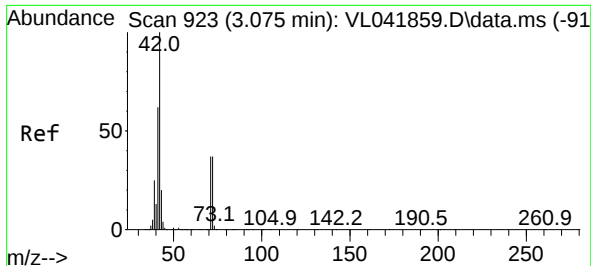
88 100

58 68.7 65.1 97.7

43 27.5 32.1 48.1

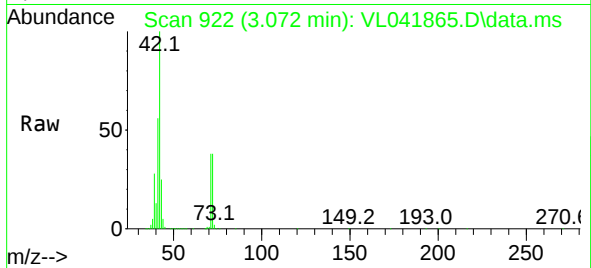
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 18.096 ppbv
RT: 3.072 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

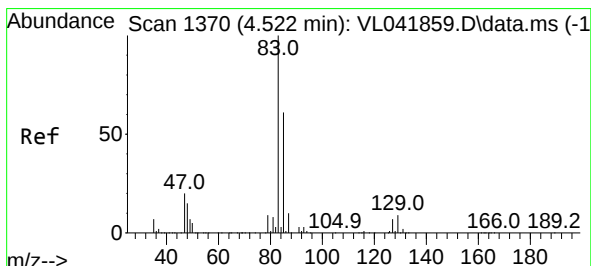
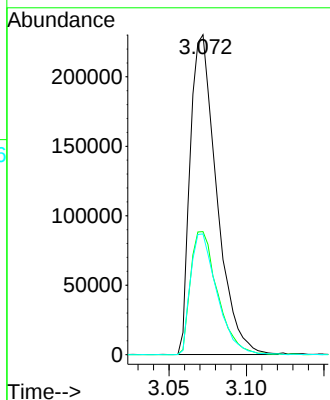
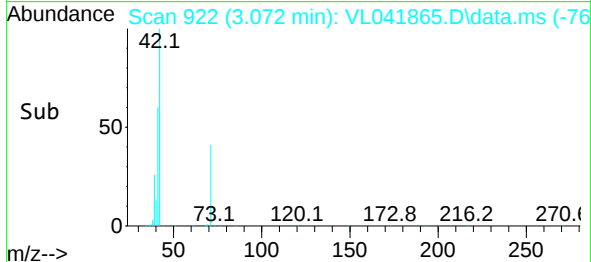
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



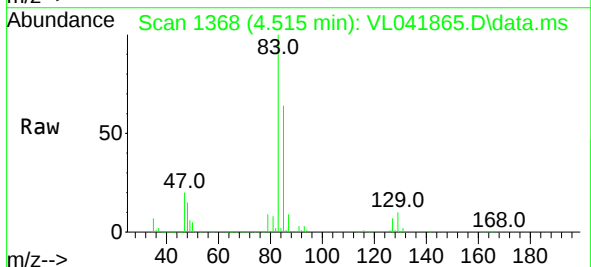
Tgt Ion: 42 Resp: 273858
Ion Ratio Lower Upper
42 100
72 39.3 27.9 41.9
71 38.1 26.5 39.7

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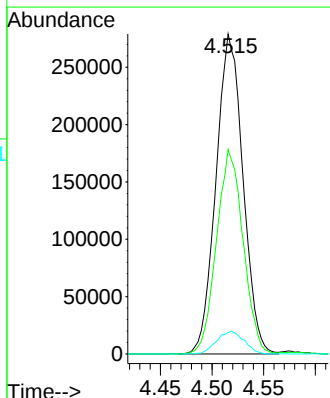
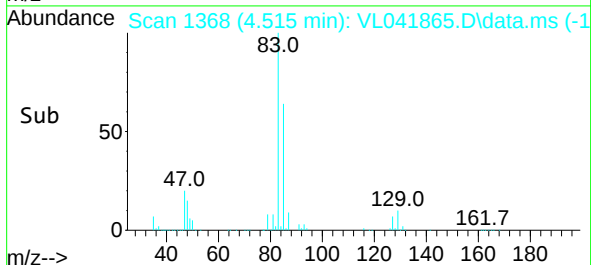
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

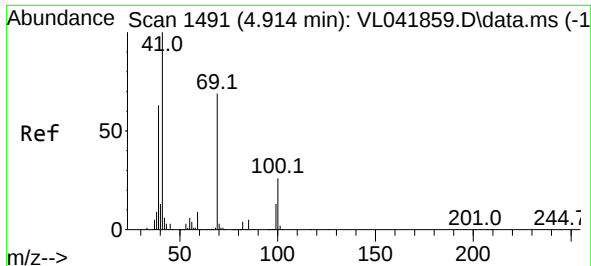


#42
Bromodichloromethane
Concen: 16.892 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



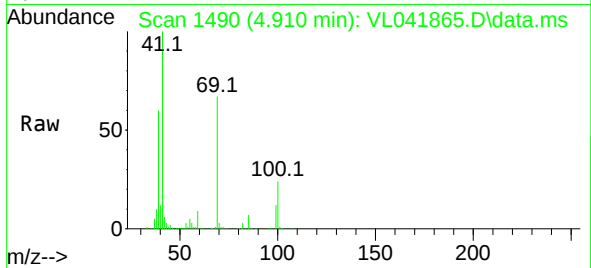
Tgt Ion: 83 Resp: 507098
Ion Ratio Lower Upper
83 100
85 63.9 51.3 76.9
127 6.7 5.6 8.4





#43
Methyl Methacrylate
Concen: 22.609 ppbv
RT: 4.910 min Scan# 1490
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

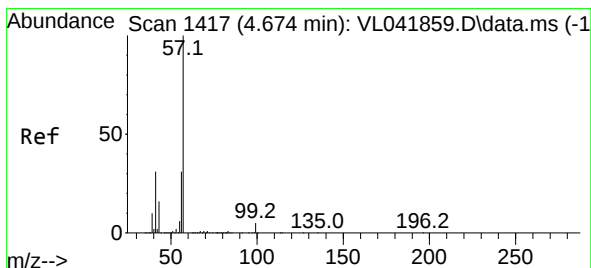
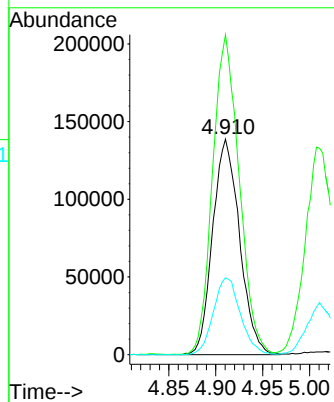
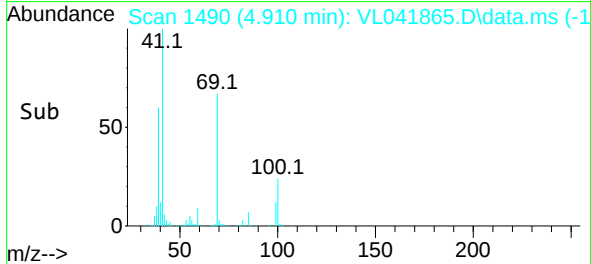
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 69 Resp: 276440
Ion Ratio Lower Upper
69 100
41 146.9 132.3 198.5
100 35.8 28.2 42.4

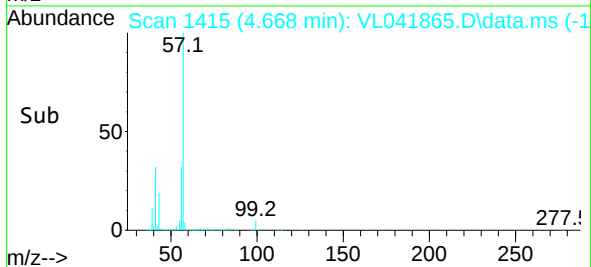
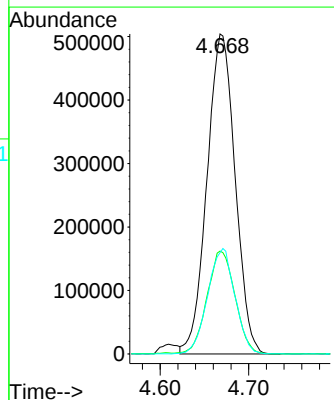
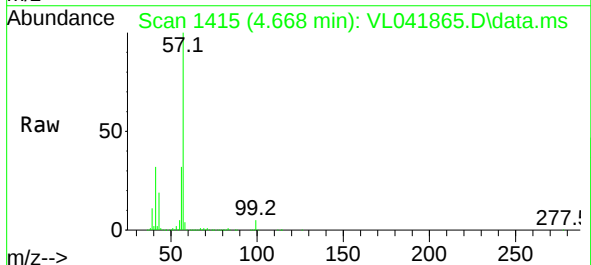
Manual Integrations
APPROVED

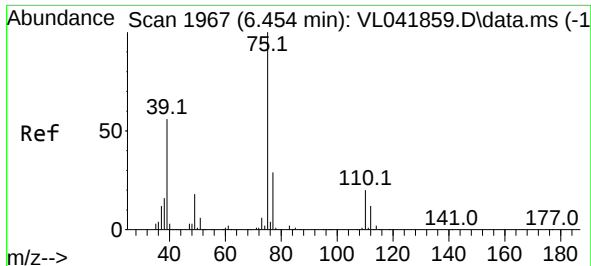
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#44
2,2,4-Trimethylpentane
Concen: 17.341 ppbv
RT: 4.668 min Scan# 1415
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion: 57 Resp: 1112501
Ion Ratio Lower Upper
57 100
41 32.3 31.4 47.2
56 32.0 26.6 39.8





#45

t-1,3-Dichloropropene

Concen: 24.306 ppbv

RT: 6.448 min Scan# 1965

Delta R.T. 0.010 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 29013

Ion Ratio Lower Upper

75 100

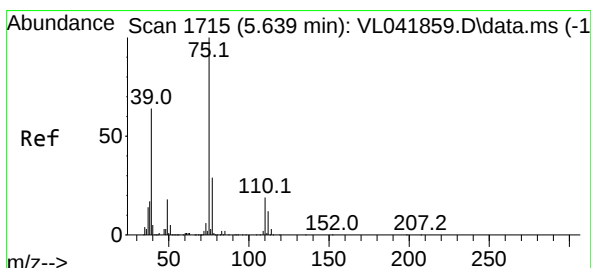
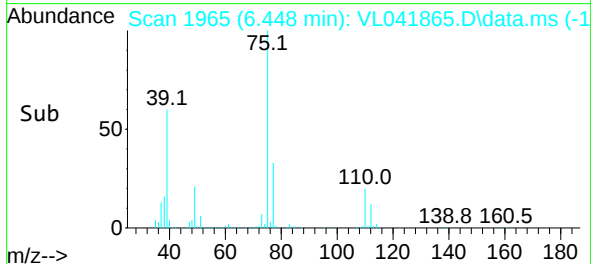
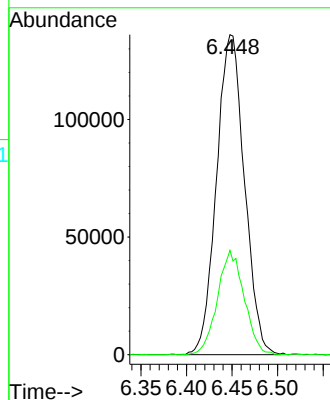
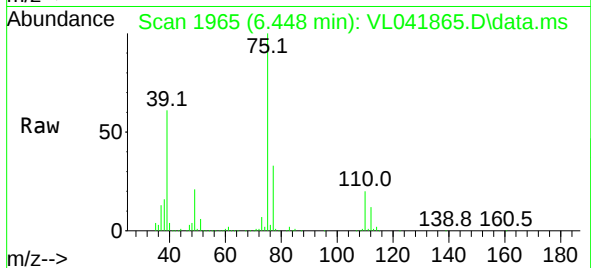
77 32.6 22.2 33.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#46

cis-1,3-Dichloropropene

Concen: 23.592 ppbv

RT: 5.635 min Scan# 1714

Delta R.T. 0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

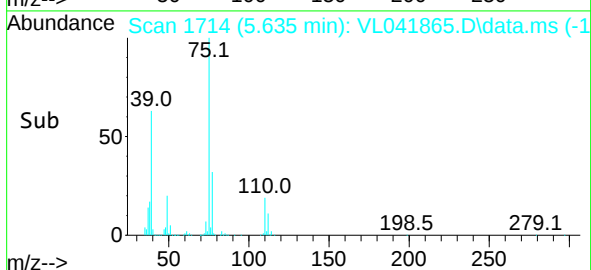
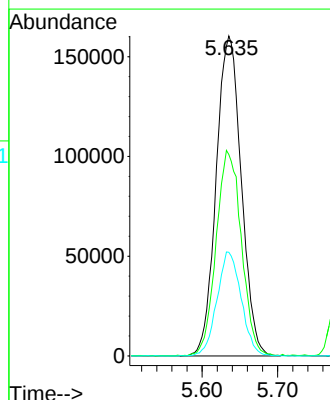
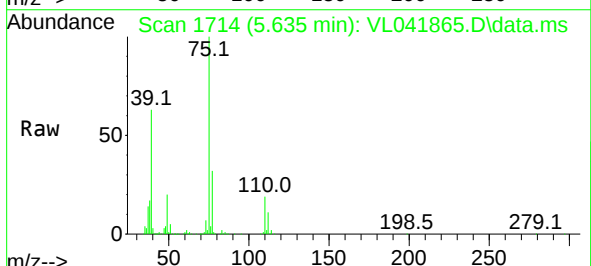
Tgt Ion: 75 Resp: 370479

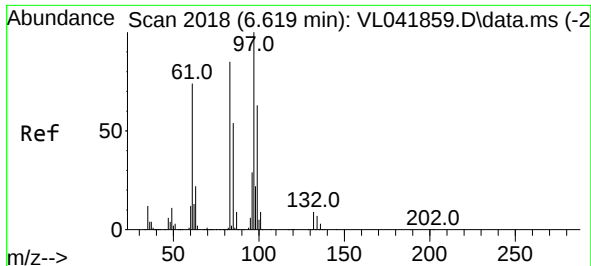
Ion Ratio Lower Upper

75 100

39 62.8 63.3 94.9#

77 32.3 23.5 35.3





#47

1,1,2-Trichloroethane

Concen: 15.833 ppbv

RT: 6.616 min Scan# 2018

Delta R.T. 0.010 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 252224

Ion Ratio Lower Upper

97 100

83 83.7 70.3 105.5

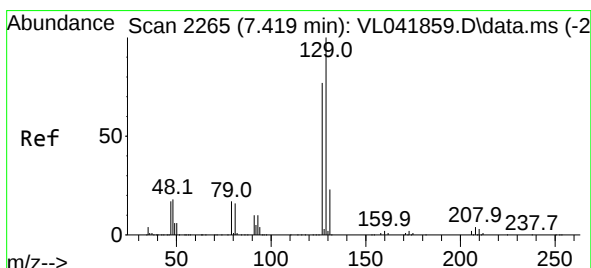
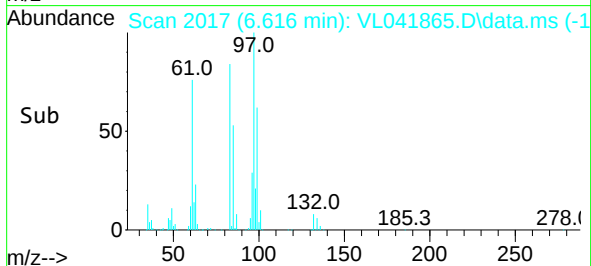
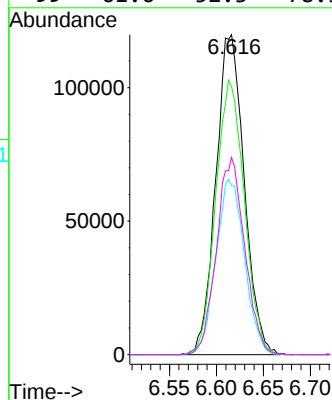
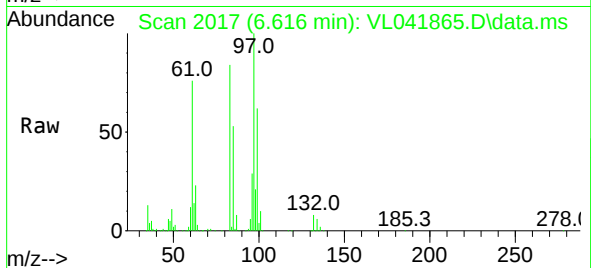
85 52.8 41.5 62.3

99 61.6 52.3 78.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#48

Dibromochloromethane

Concen: 20.167 ppbv

RT: 7.412 min Scan# 2263

Delta R.T. 0.003 min

Lab File: VL041865.D

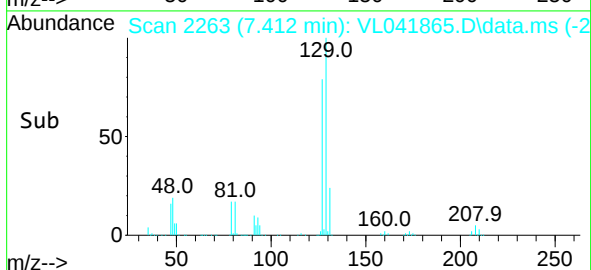
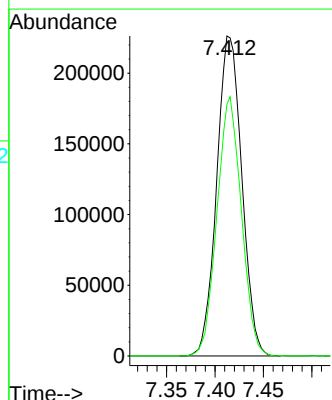
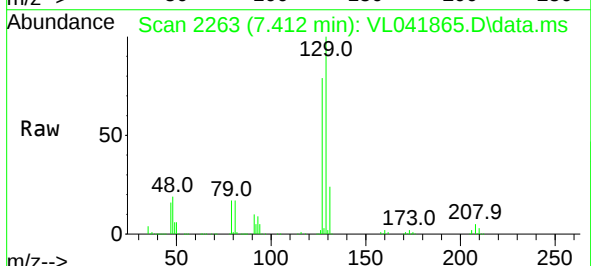
Acq: 09 Jan 2025 14:27

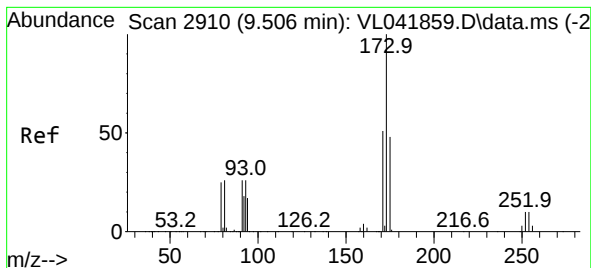
Tgt Ion:129 Resp: 408959

Ion Ratio Lower Upper

129 100

127 78.7 38.7 116.1





#49

Bromoform

Concen: 22.331 ppbv

RT: 9.503 min Scan# 2910

Delta R.T. 0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

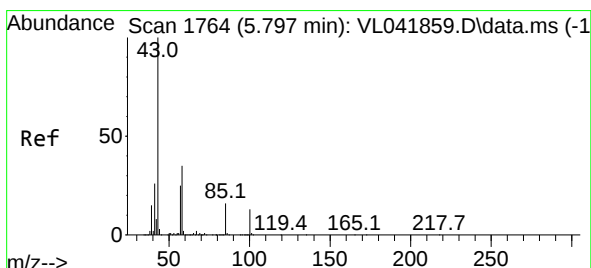
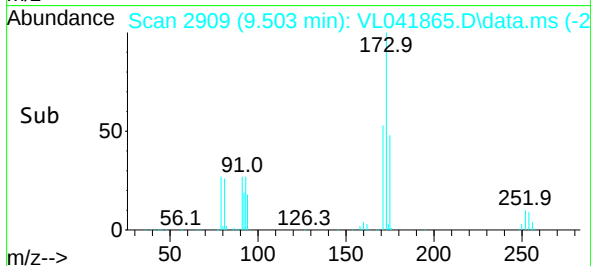
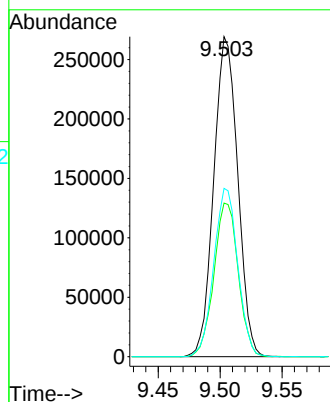
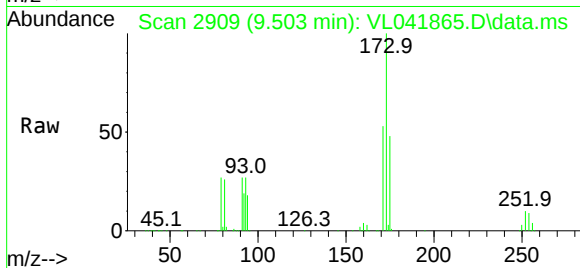
VSTDIC015

Tgt Ion:	173	Resp:	36290
Ion Ratio	Lower	Upper	
173	100		
175	48.8	39.5	59.3
171	52.7	41.5	62.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#50

4-Methyl-2-Pentanone

Concen: 18.341 ppbv

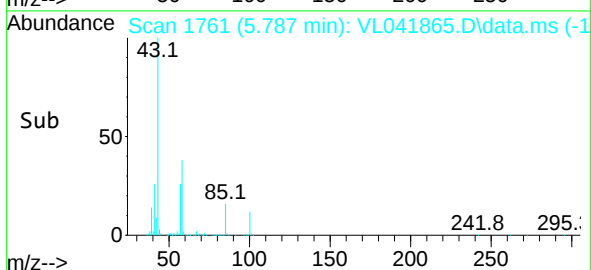
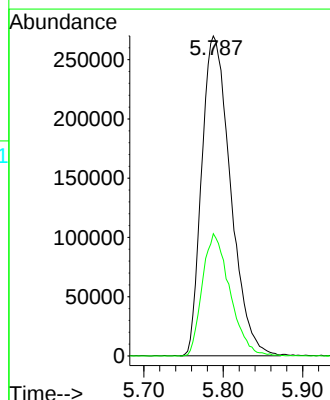
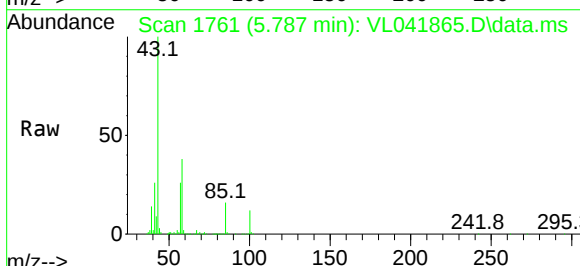
RT: 5.787 min Scan# 1761

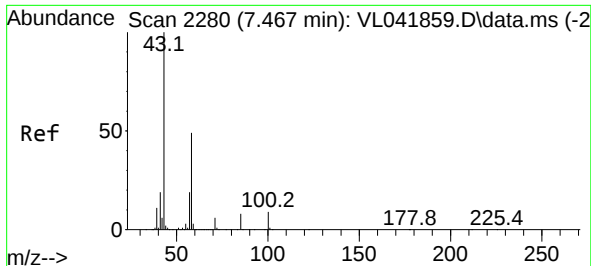
Delta R.T. 0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

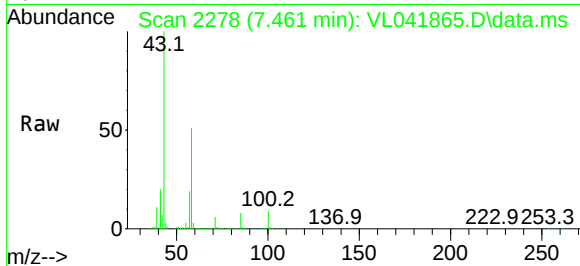
Tgt Ion:	43	Resp:	680330
Ion Ratio	Lower	Upper	
43	100		
58	36.7	25.7	38.5





#51
2-Hexanone
Concen: 19.852 ppbv
RT: 7.461 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

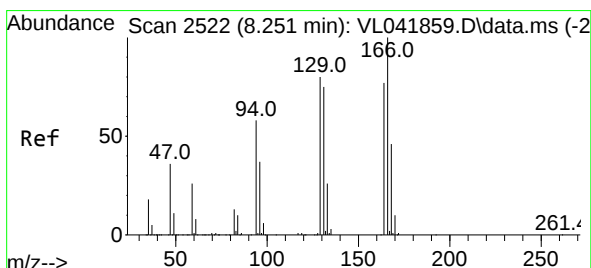
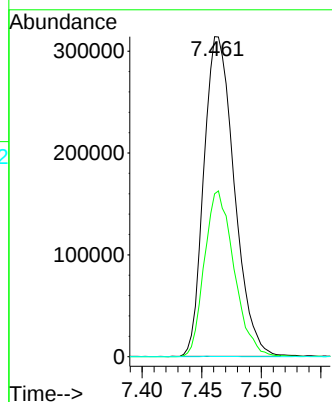
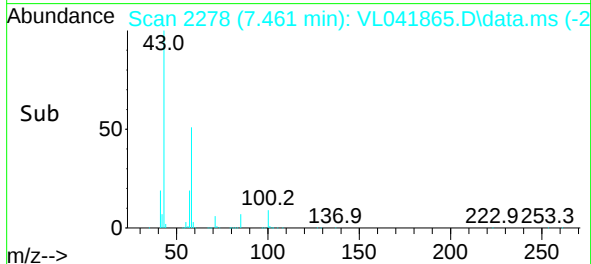
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



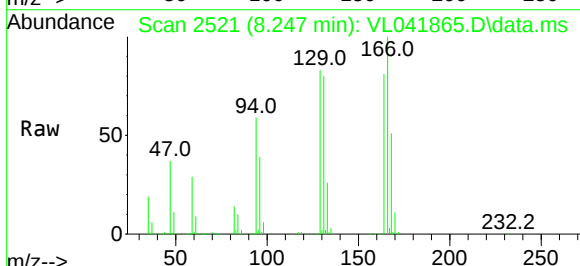
Tgt Ion: 43 Resp: 55779
Ion Ratio Lower Upper
43 100
58 50.6 33.8 50.8
98 0.1 0.7 1.1

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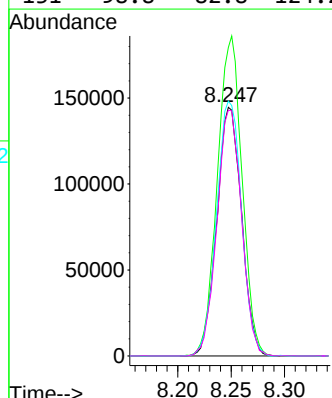
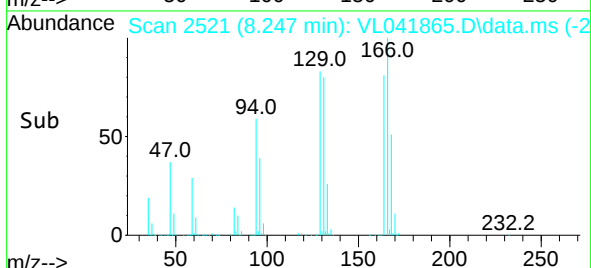
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

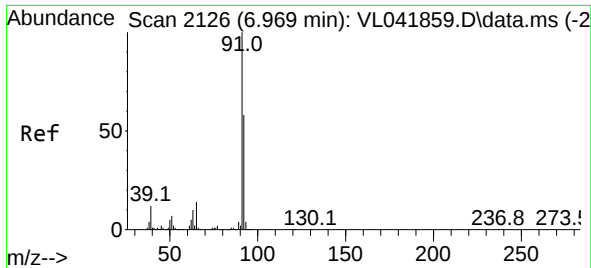


#52
Tetrachloroethene
Concen: 20.236 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



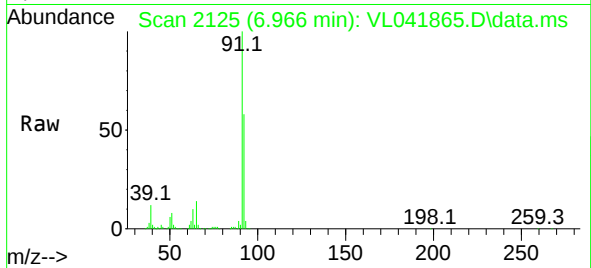
Tgt Ion:164 Resp: 233663
Ion Ratio Lower Upper
164 100
166 124.1 100.4 150.6
129 102.5 85.9 128.9
131 98.8 82.8 124.2





#53
Toluene
Concen: 22.957 ppbv
RT: 6.966 min Scan# 2125
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

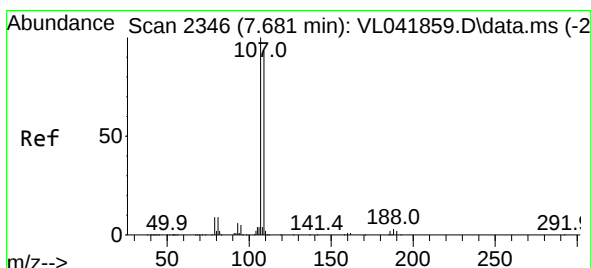
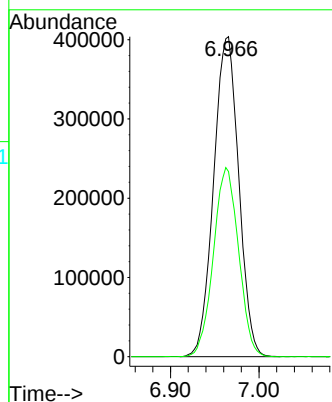
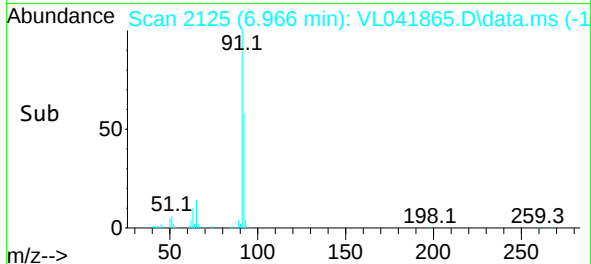
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



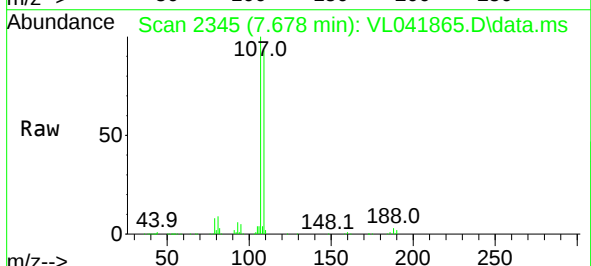
Tgt Ion: 91 Resp: 79646
Ion Ratio Lower Upper
91 100
92 59.2 47.8 71.6

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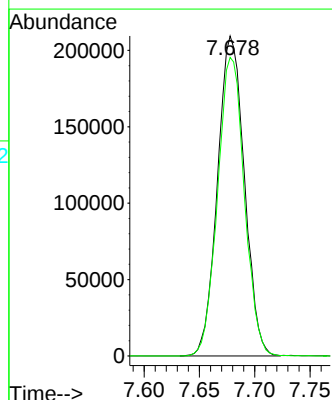
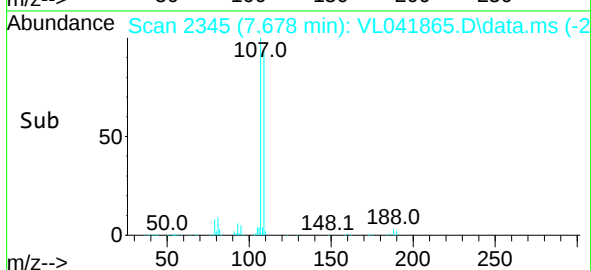
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

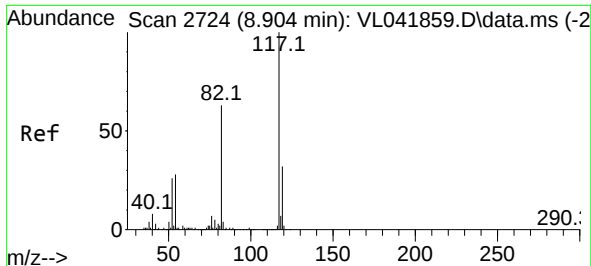


#54
1,2-Dibromoethane
Concen: 18.098 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



Tgt Ion:107 Resp: 353045
Ion Ratio Lower Upper
107 100
109 93.3 75.9 113.9





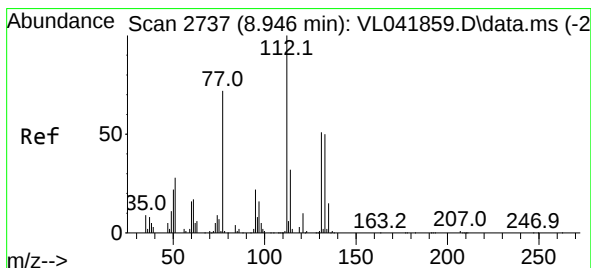
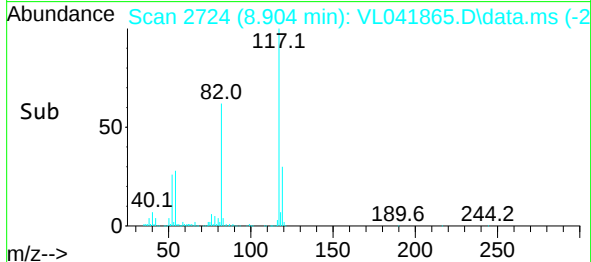
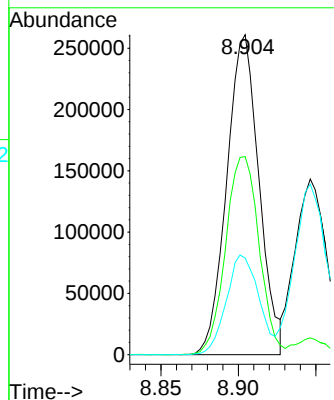
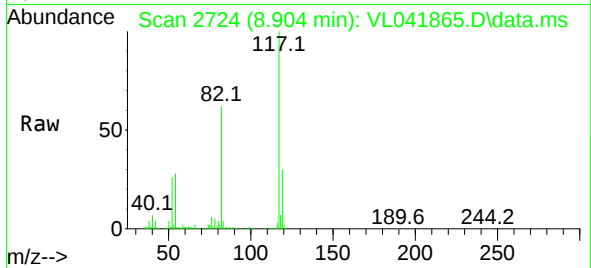
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:117 Resp: 378604
Ion Ratio Lower Upper
117 100
82 65.0 59.1 88.7
119 32.7 27.3 40.9

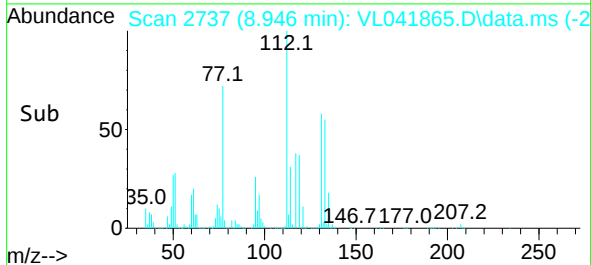
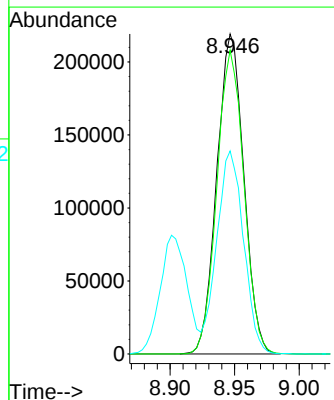
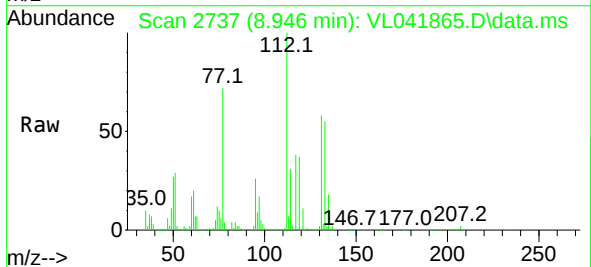
Manual Integrations
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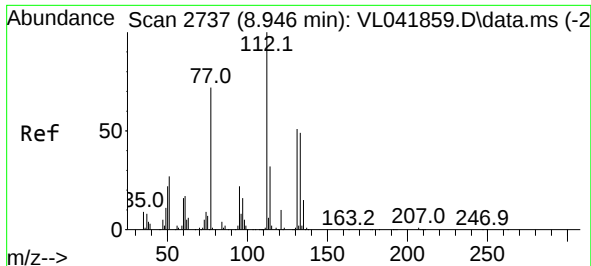
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 14.760 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion:131 Resp: 318489
Ion Ratio Lower Upper
131 100
133 95.2 77.3 115.9
119 63.8 50.6 76.0





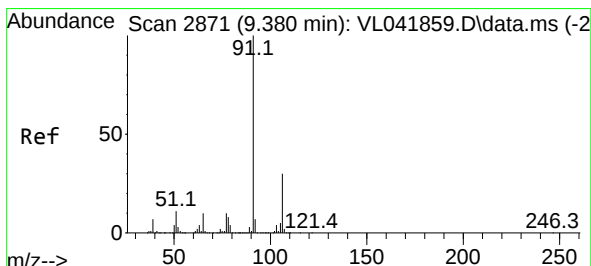
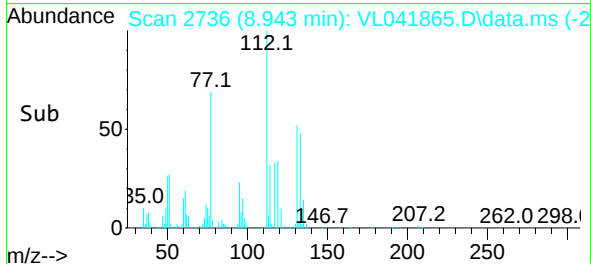
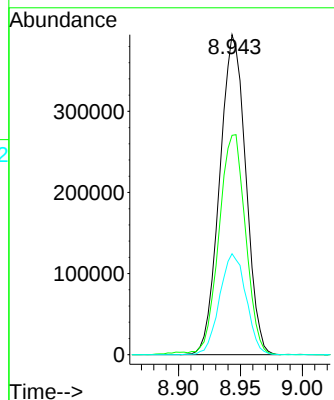
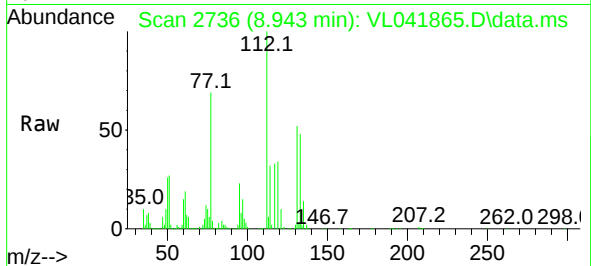
#57
Chlorobenzene
Concen: 14.632 ppbv
RT: 8.943 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:112 Resp: 578775
Ion Ratio Lower Upper
112 100
77 68.6 55.1 82.7
114 31.6 28.3 34.5

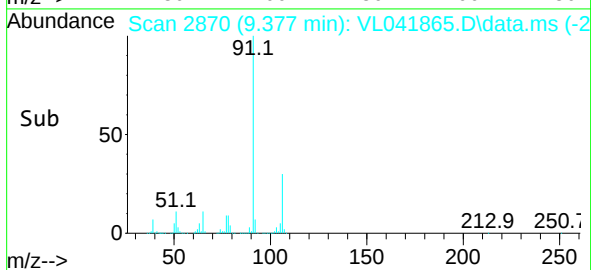
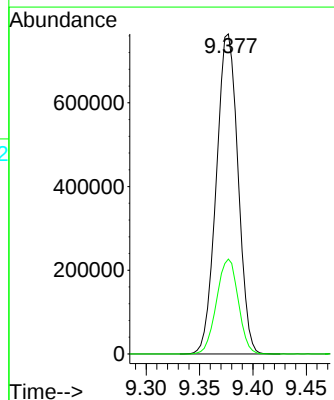
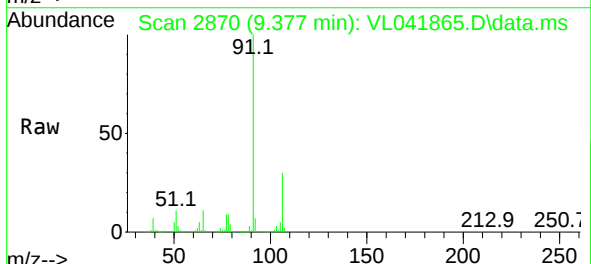
Manual Integrations
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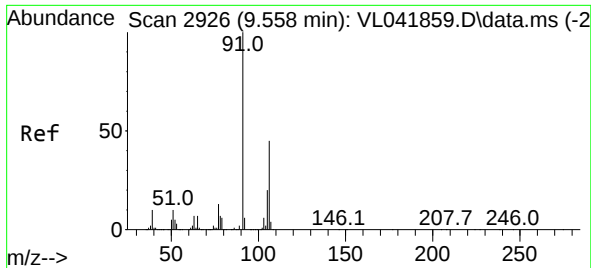
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#58
Ethyl Benzene
Concen: 20.954 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion: 91 Resp: 1081235
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.8





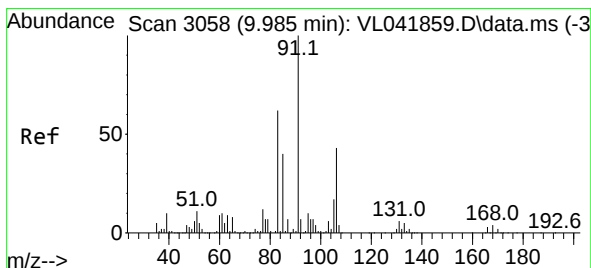
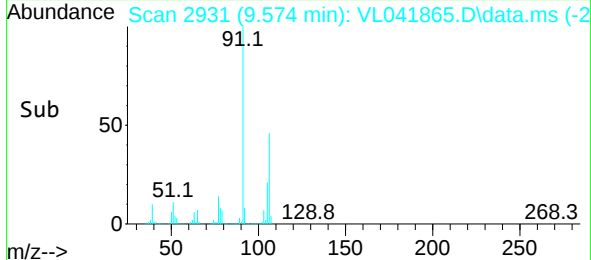
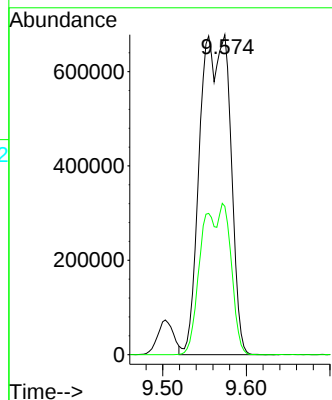
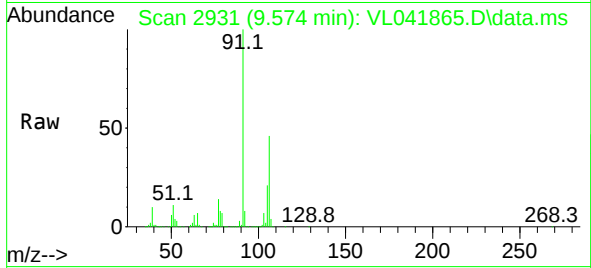
#59
m/p-Xylene
Concen: 37.624 ppbv m
RT: 9.574 min Scan# 2926
Delta R.T. 0.010 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 171366
Ion Ratio Lower Upper
91 100
106 45.8 36.8 55.2

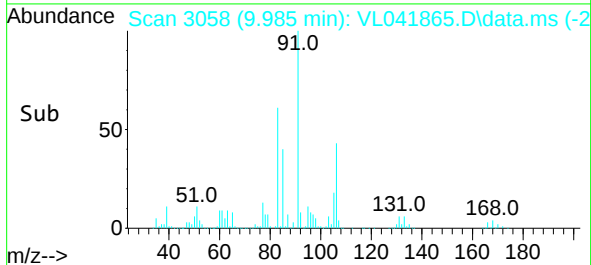
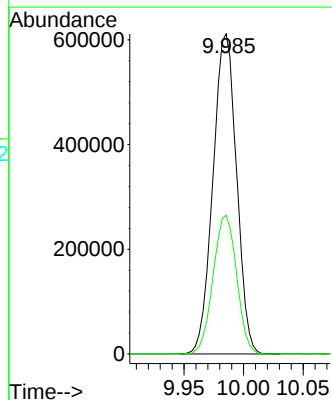
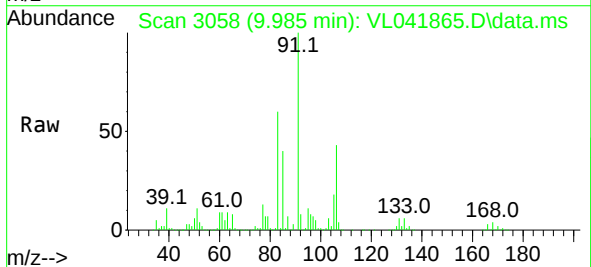
Manual Integrations
APPROVED

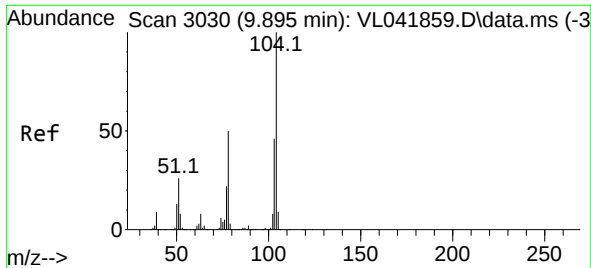
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#60
o-Xylene
Concen: 18.971 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

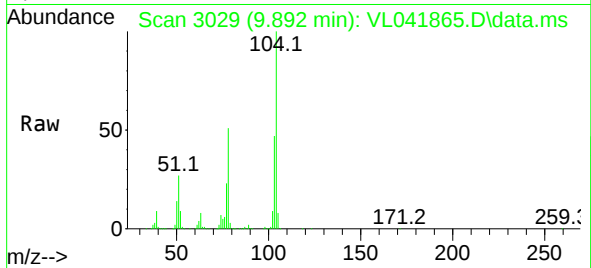
Tgt Ion: 91 Resp: 840494
Ion Ratio Lower Upper
91 100
106 43.3 21.9 65.5





#61
Styrene
Concen: 25.091 ppbv
RT: 9.892 min Scan# 3030
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

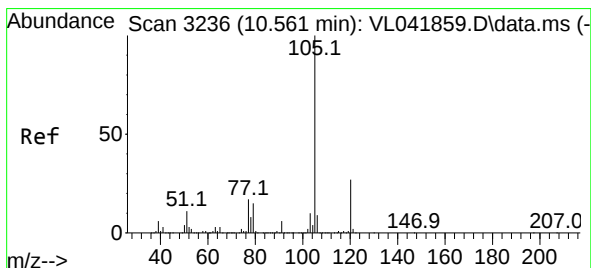
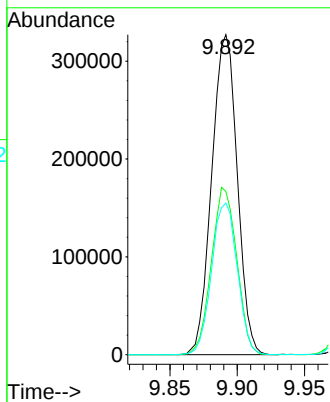
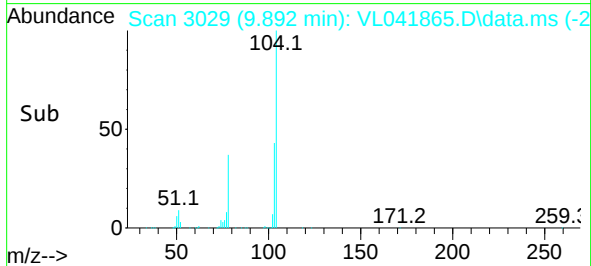
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



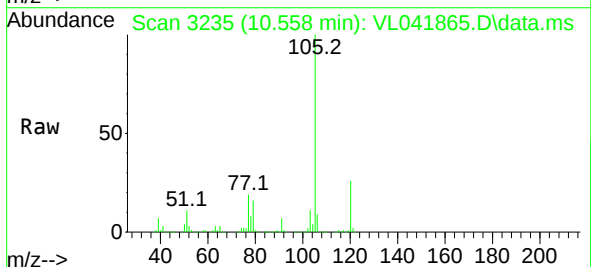
Tgt Ion:104 Resp: 431280
Ion Ratio Lower Upper
104 100
78 51.9 42.8 64.2
103 47.8 37.8 56.6

Manual Integrations
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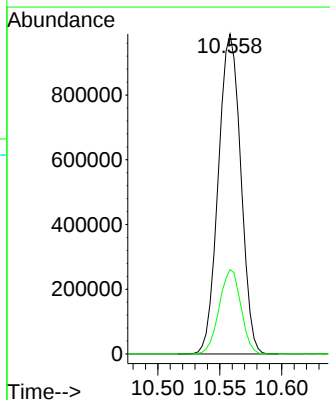
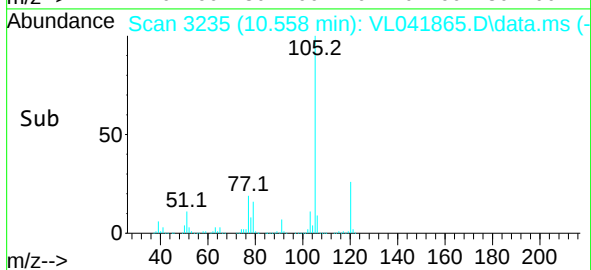
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

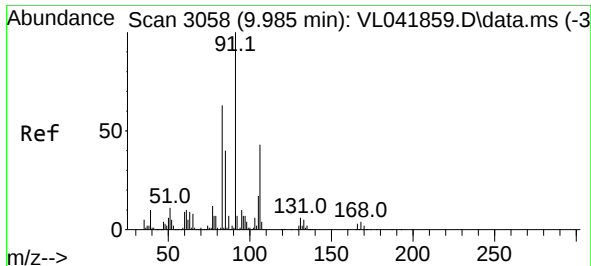


#62
Isopropylbenzene
Concen: 17.917 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



Tgt Ion:105 Resp: 1247161
Ion Ratio Lower Upper
105 100
120 25.5 20.4 30.6





#63

1,1,2,2-Tetrachloroethane

Concen: 12.770 ppbv

RT: 9.982 min Scan# 3058

Delta R.T. 0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 83 Resp: 496124

Ion Ratio Lower Upper

83 100

131 9.3 4.8 14.3

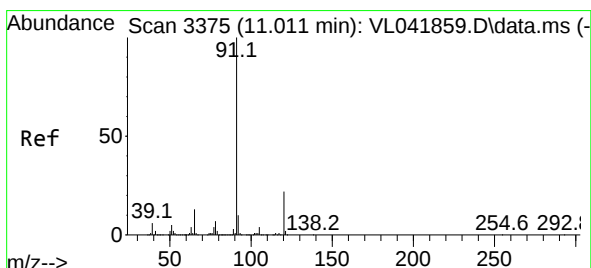
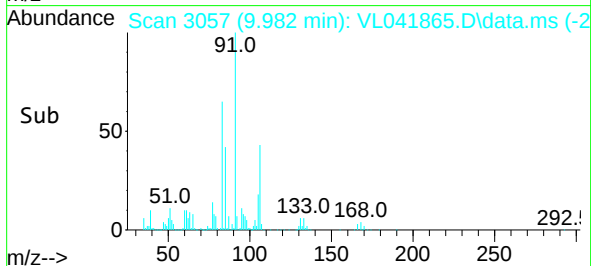
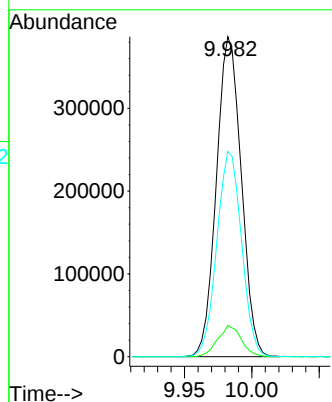
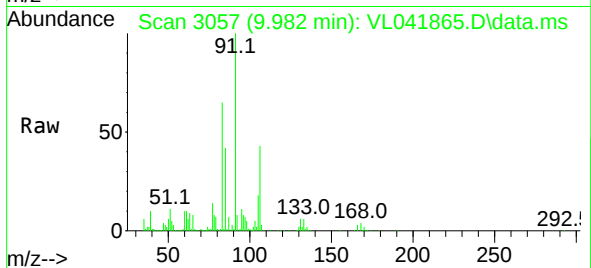
85 63.9 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#64

n-propylbenzene

Concen: 18.307 ppbv

RT: 11.008 min Scan# 3374

Delta R.T. 0.007 min

Lab File: VL041865.D

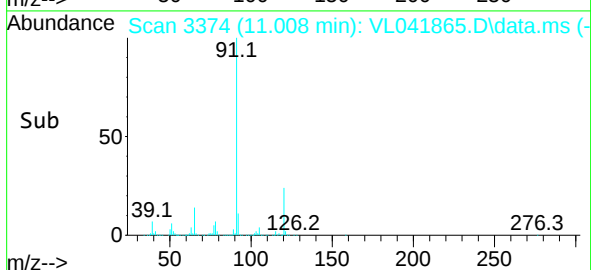
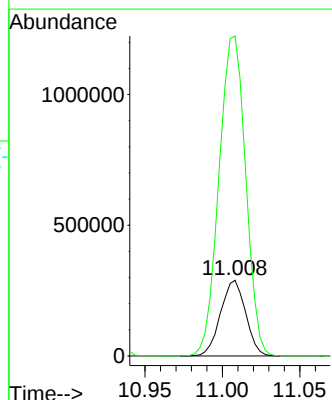
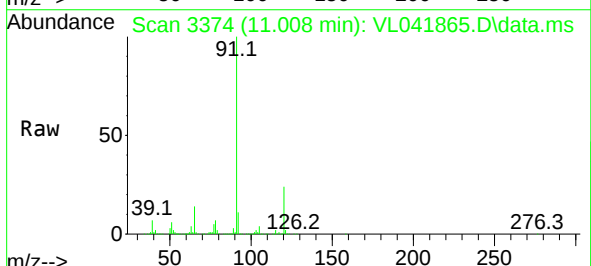
Acq: 09 Jan 2025 14:27

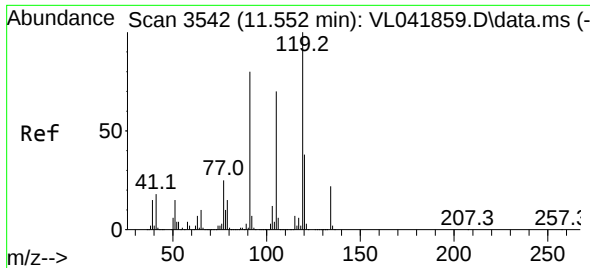
Tgt Ion:120 Resp: 326937

Ion Ratio Lower Upper

120 100

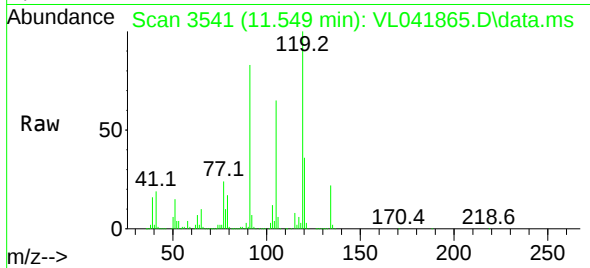
91 450.1 382.1 573.1





#65
tert-Butylbenzene
Concen: 17.255 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

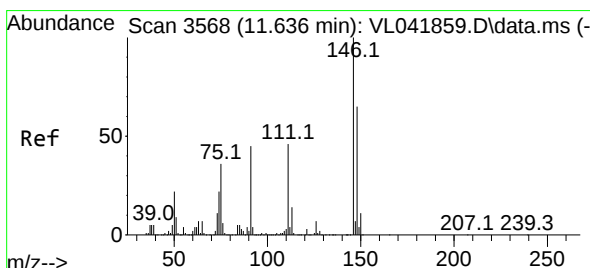
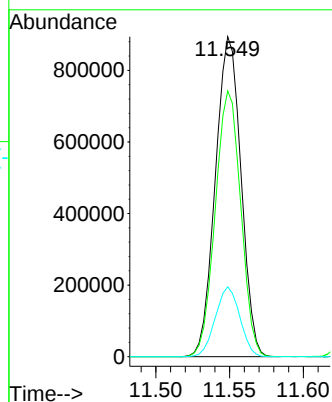
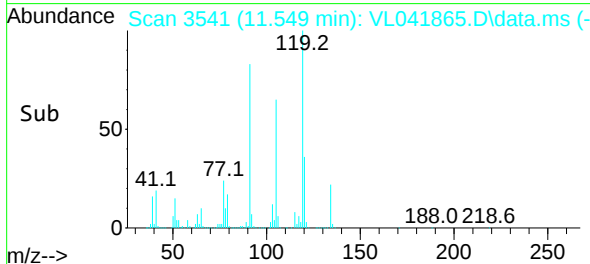
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 119 Resp: 1082290
Ion Ratio Lower Upper
119 100
91 82.4 68.0 102.0
134 20.8 16.2 24.4

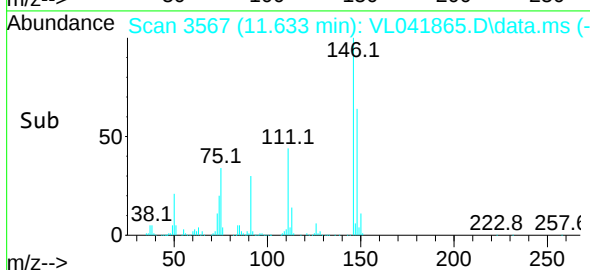
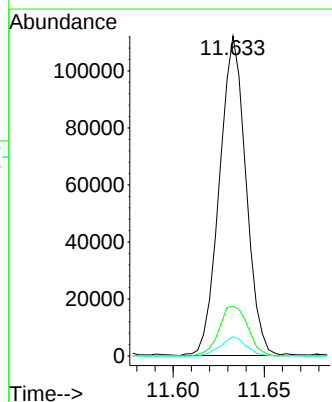
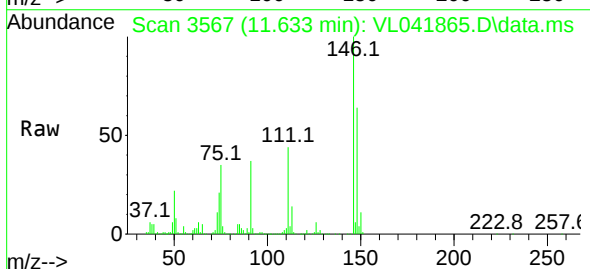
Manual Integrations
APPROVED

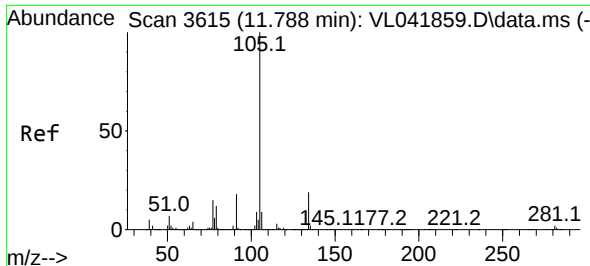
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#66
Benzyl Chloride
Concen: 21.582 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

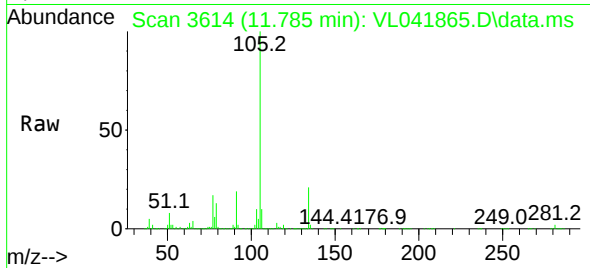
Tgt Ion: 91 Resp: 113138
Ion Ratio Lower Upper
91 100
126 17.0 12.1 18.1
128 5.8 4.3 6.5





#67
 sec-Butylbenzene
 Concen: 16.090 ppbv
 RT: 11.785 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

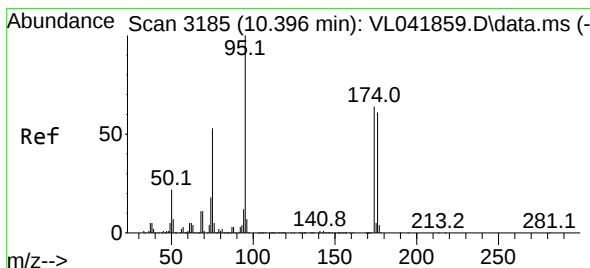
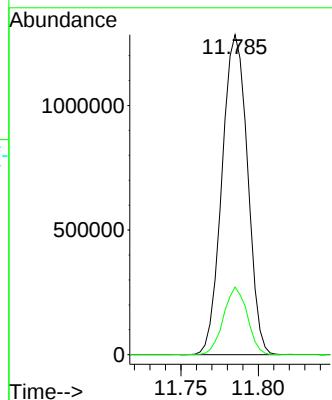
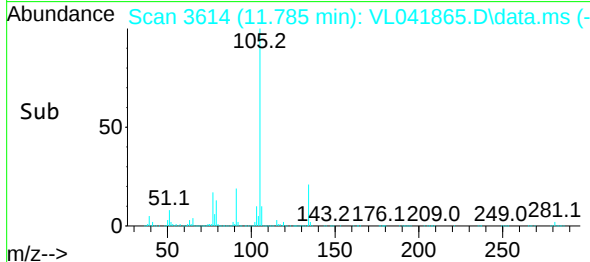
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:105 Resp: 147266
 Ion Ratio Lower Upper
 105 100
 134 19.7 14.6 22.0

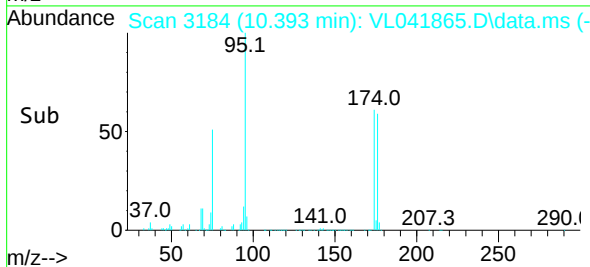
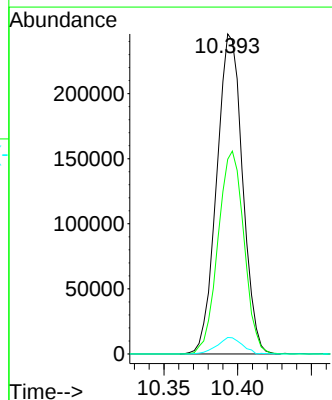
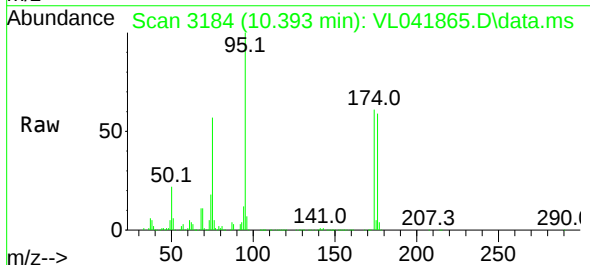
Manual Integrations
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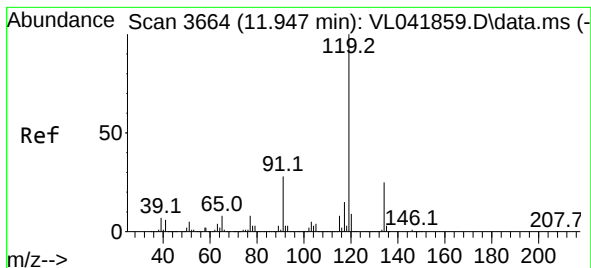
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.232 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. 0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

Tgt Ion: 95 Resp: 299372
 Ion Ratio Lower Upper
 95 100
 174 63.7 47.6 71.4
 175 5.0 3.8 5.6





#69
p-Isopropyltoluene
Concen: 17.781 ppbv
RT: 11.944 min Scan# 3663
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

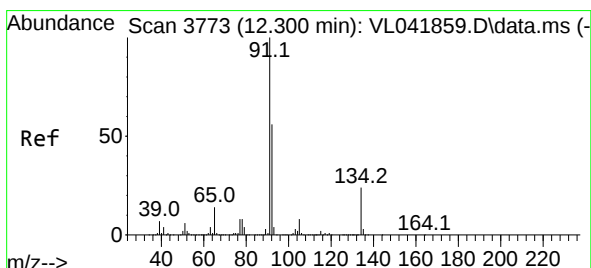
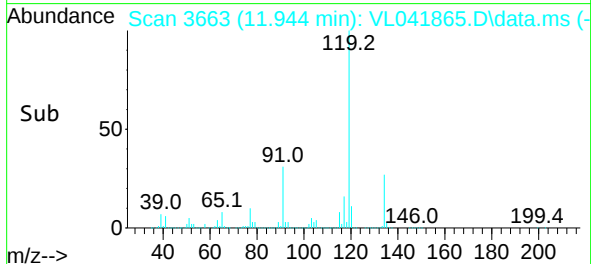
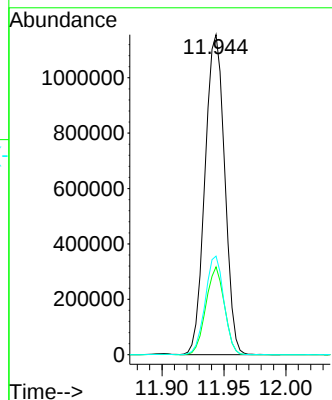
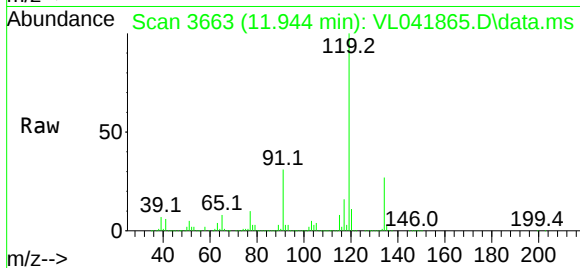
VSTDIC015

Tgt Ion:119 Resp: 1277660
Ion Ratio Lower Upper
119 100
134 25.9 19.4 29.2
91 29.4 24.0 36.0

Manual Integrations

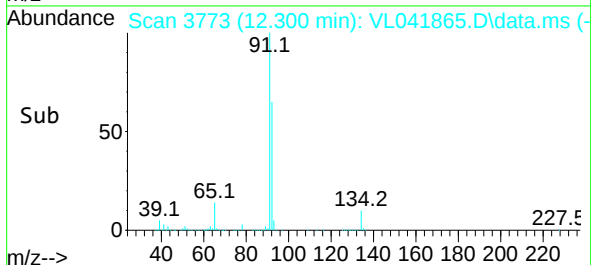
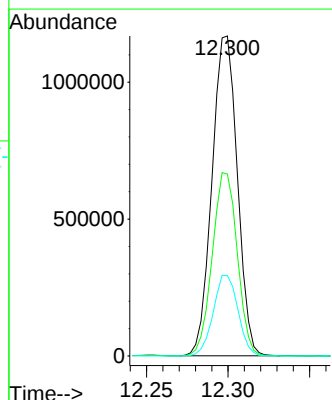
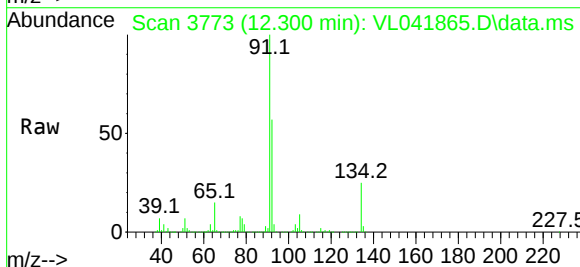
APPROVED

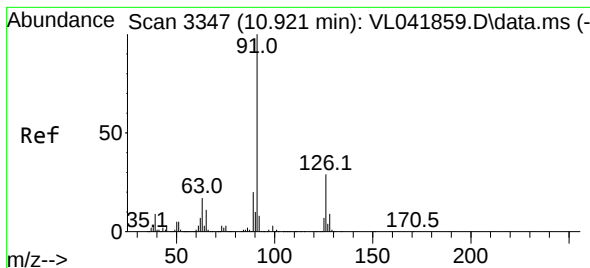
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#70
n-Butylbenzene
Concen: 17.488 ppbv
RT: 12.300 min Scan# 3773
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion: 91 Resp: 1262477
Ion Ratio Lower Upper
91 100
92 56.7 42.8 64.2
134 24.6 17.8 26.6





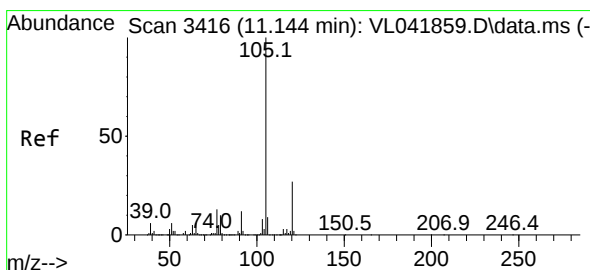
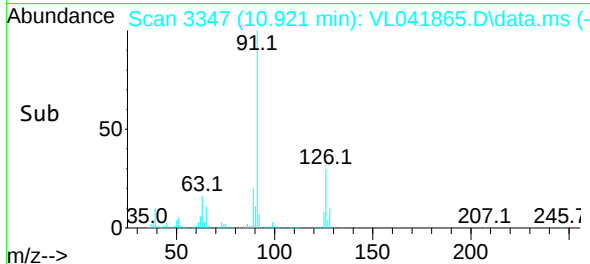
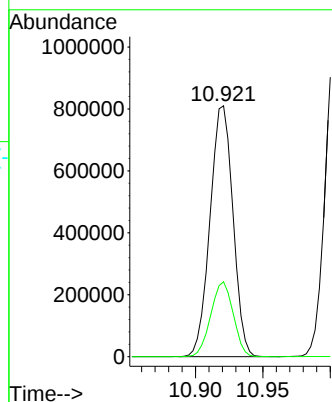
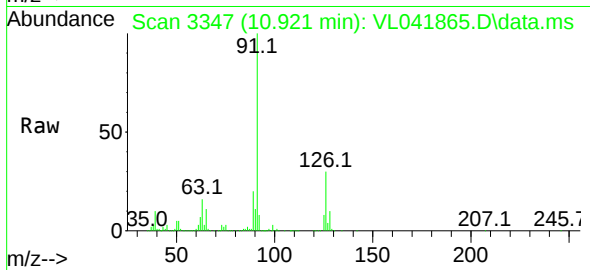
#71
2-Chlorotoluene
Concen: 18.973 ppbv
RT: 10.921 min Scan# 3347
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 958590
Ion Ratio Lower Upper
91 100
126 29.2 11.6 46.6

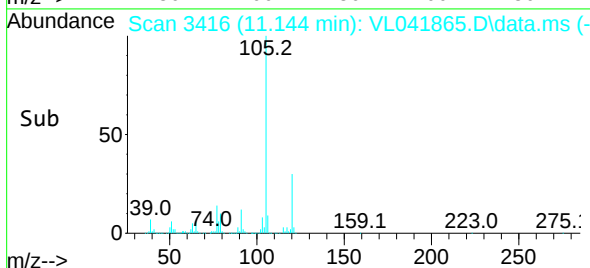
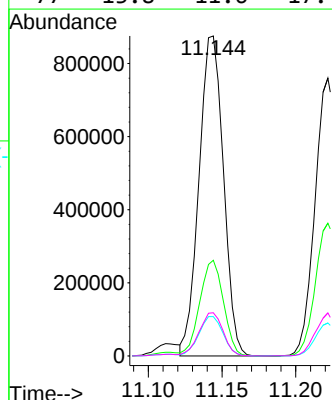
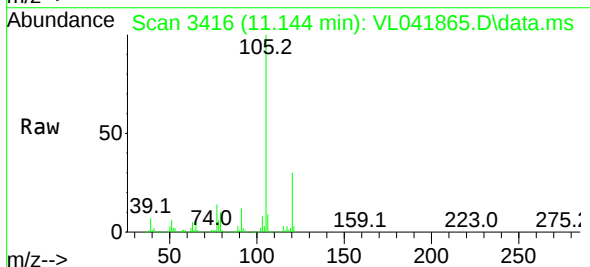
Manual Integrations
APPROVED

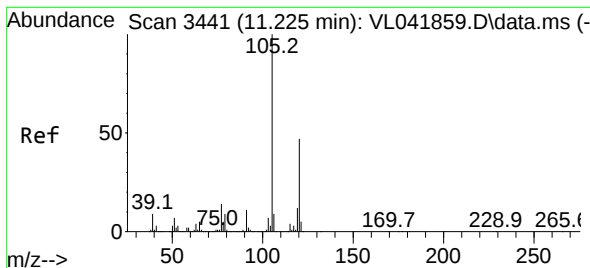
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#72
4-Ethyltoluene
Concen: 18.837 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion:105 Resp: 1009262
Ion Ratio Lower Upper
105 100
120 30.1 23.4 35.2
91 12.9 10.8 16.2
77 13.8 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 18.459 ppbv

RT: 11.222 min Scan# 3441

Delta R.T. 0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:105 Resp: 866209

Ion Ratio Lower Upper

105 100

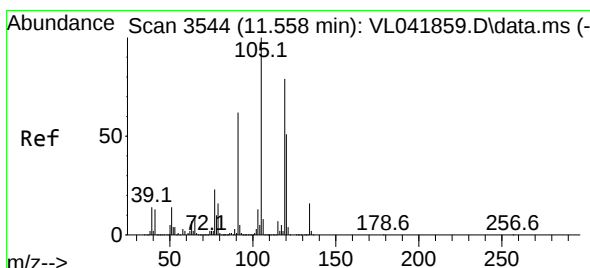
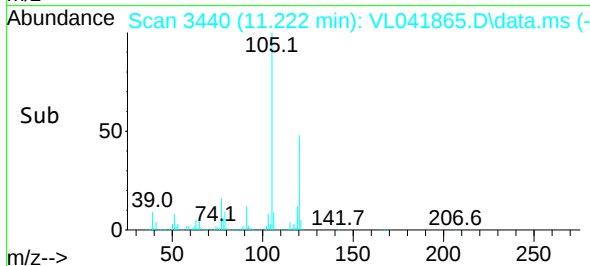
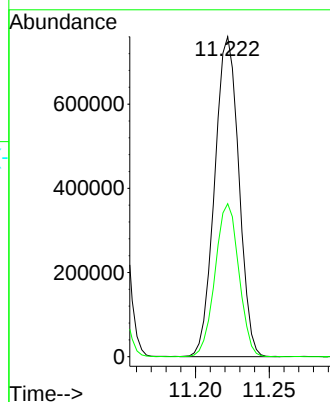
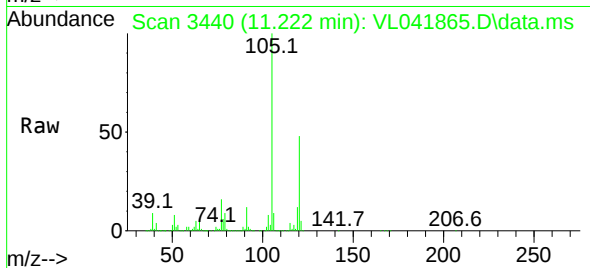
120 47.8 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#74

1,2,4-Trimethylbenzene

Concen: 16.660 ppbv

RT: 11.555 min Scan# 3543

Delta R.T. 0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Tgt Ion:105 Resp: 905561

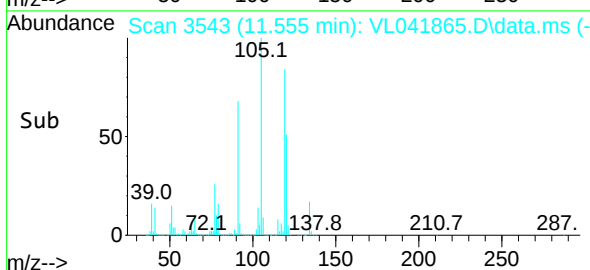
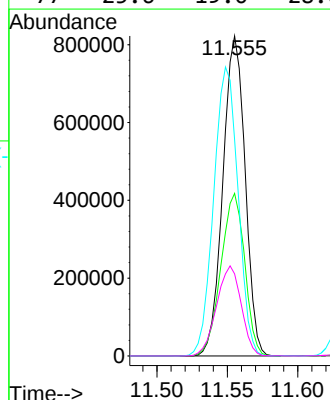
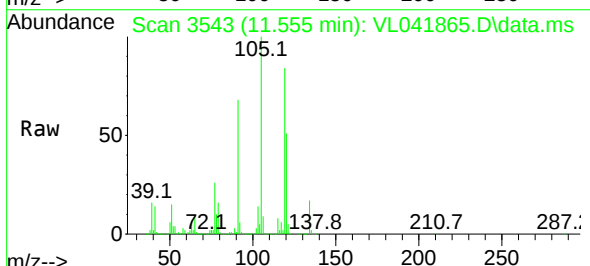
Ion Ratio Lower Upper

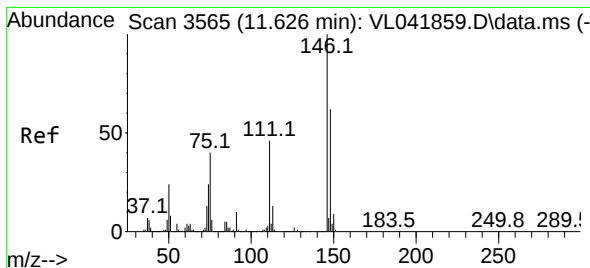
105 100

120 50.8 37.4 56.0

91 67.6 47.4 71.2

77 25.6 19.0 28.6





#75

1,3-Dichlorobenzene

Concen: 15.122 ppbv

RT: 11.626 min Scan# 3565

Delta R.T. 0.007 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC015

Tgt Ion:146 Resp: 55014

Ion Ratio Lower Upper

146 100

111 46.6 24.1 72.2

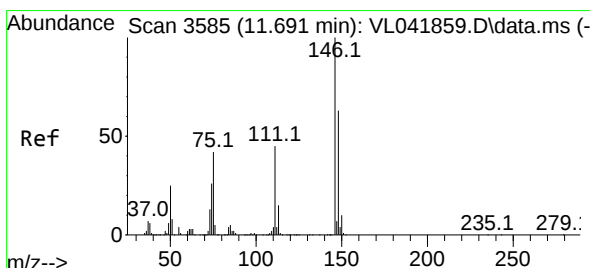
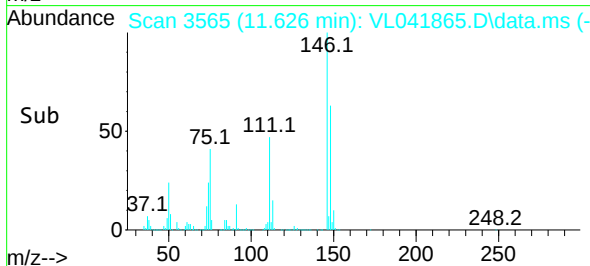
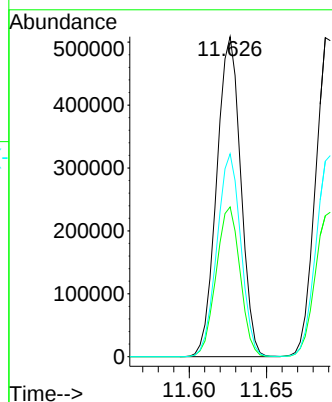
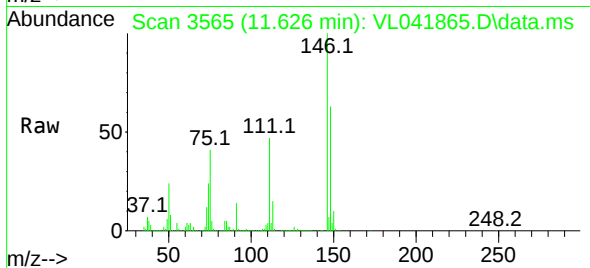
148 62.8 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#76

1,4-Dichlorobenzene

Concen: 15.719 ppbv

RT: 11.688 min Scan# 3584

Delta R.T. 0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

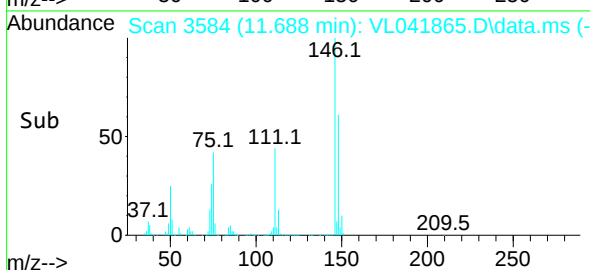
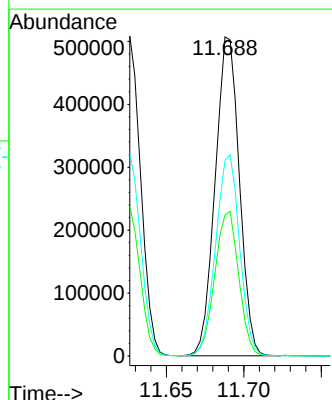
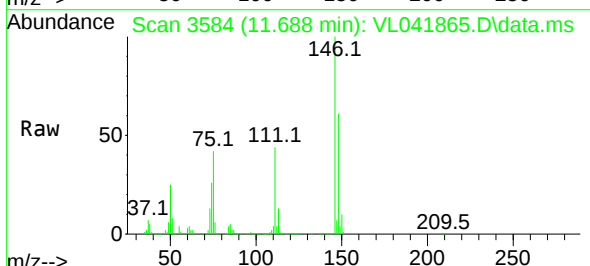
Tgt Ion:146 Resp: 550306

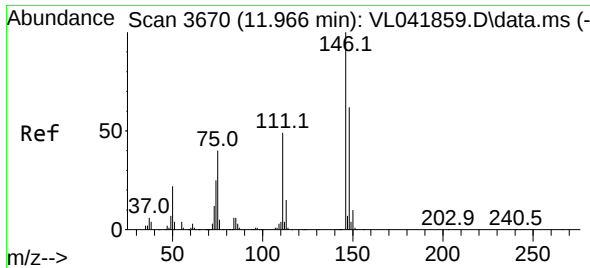
Ion Ratio Lower Upper

146 100

111 45.1 23.2 69.6

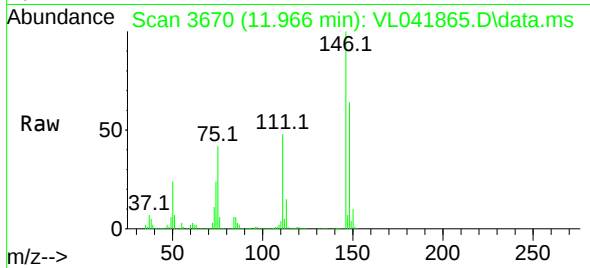
148 62.8 32.1 96.3





#77
1,2-Dichlorobenzene
Concen: 13.701 ppbv
RT: 11.966 min Scan# 3670
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

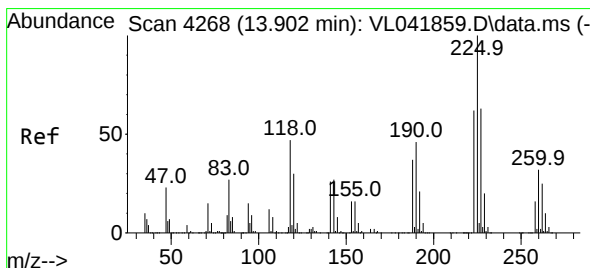
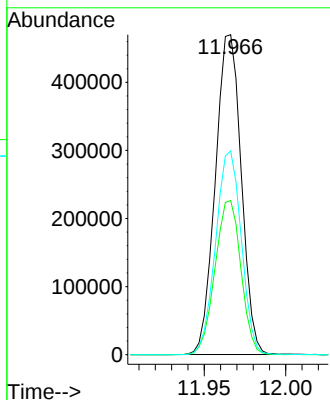
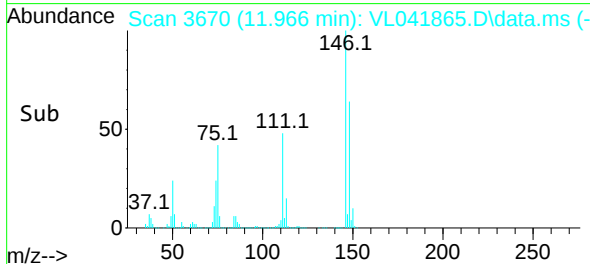
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



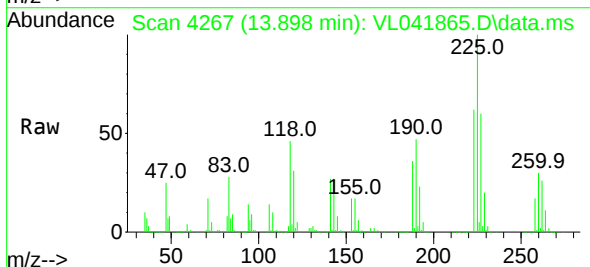
Tgt Ion:146 Resp: 51942
Ion Ratio Lower Upper
146 100
111 48.2 24.7 74.1
148 63.2 31.5 94.5

Manual Integrations
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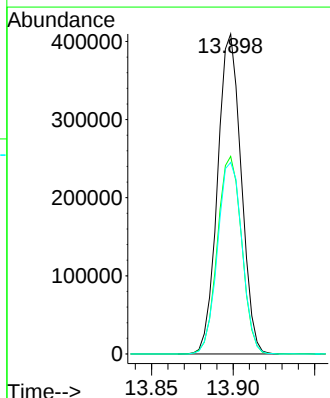
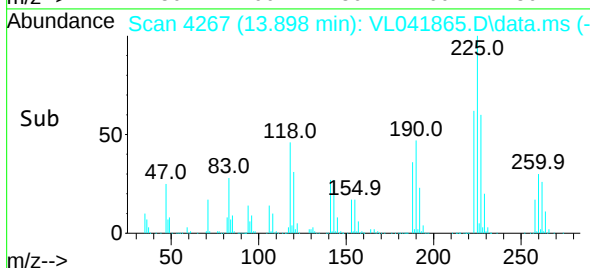
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

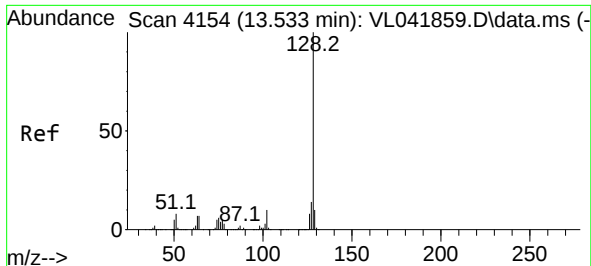


#78
Hexachloro-1,3-Butadiene
Concen: 15.294 ppbv
RT: 13.898 min Scan# 4267
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



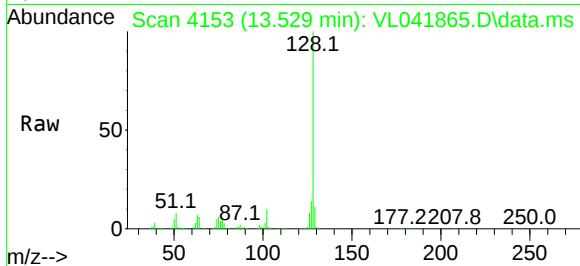
Tgt Ion:225 Resp: 411642
Ion Ratio Lower Upper
225 100
223 63.4 50.4 75.6
227 62.2 51.2 76.8





#79
Naphthalene
Concen: 22.388 ppbv
RT: 13.529 min Scan# 4153
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

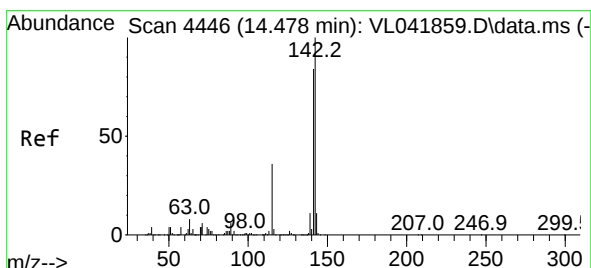
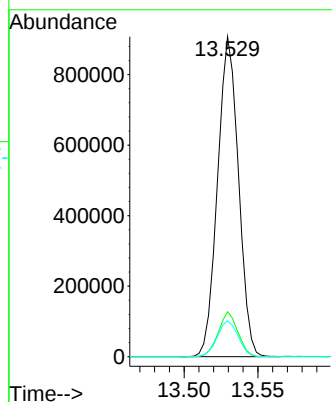
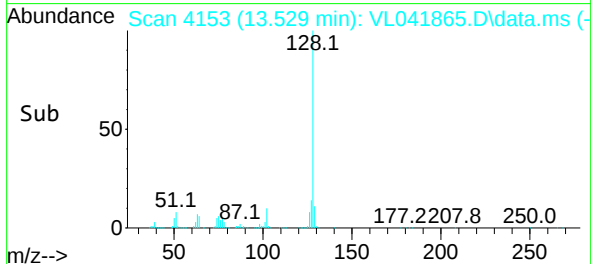
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



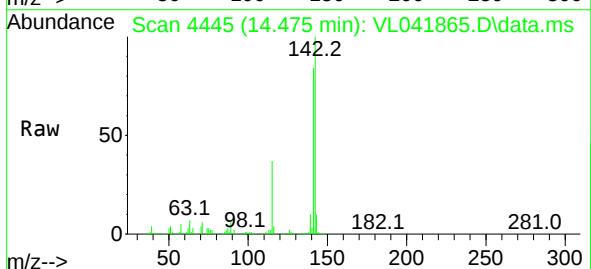
Tgt Ion:128 Resp: 89644
Ion Ratio Lower Upper
128 100
127 14.0 10.5 15.7
129 11.2 8.2 12.4

Manual Integrations
APPROVED

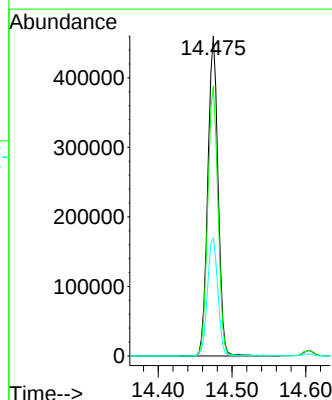
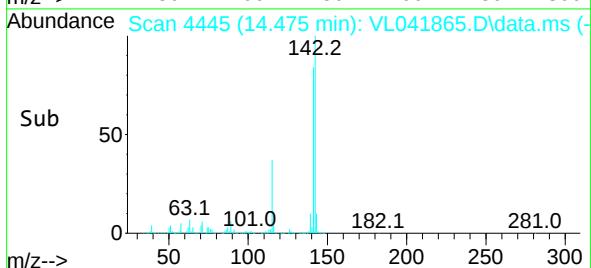
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

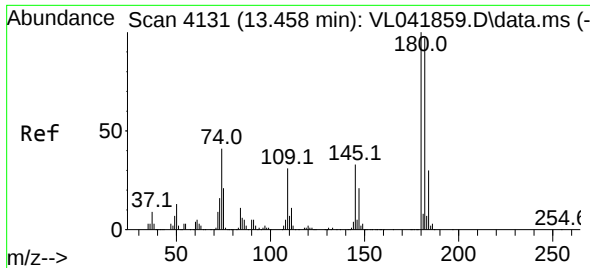


#80
Naphthalene,2-methyl-
Concen: 29.892 ppbv
RT: 14.475 min Scan# 4445
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



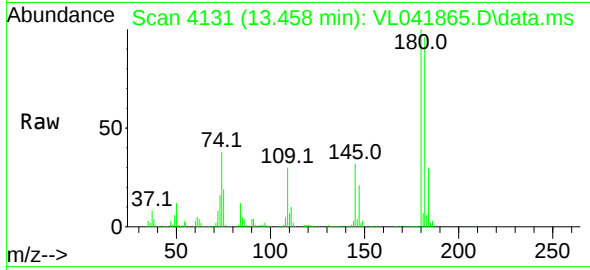
Tgt Ion:142 Resp: 442992
Ion Ratio Lower Upper
142 100
141 84.4 67.8 101.6
115 37.5 32.7 49.1





#81
 1,2,4-Trichlorobenzene
 Concen: 19.665 ppbv
 RT: 13.458 min Scan# 4131
 Delta R.T. 0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:180	Resp:	436412
Ion Ratio	Lower	Upper
180	100	
182	95.8	75.9 113.9
184	30.9	24.8 37.2

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

