

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
 Data File : VL042692.D
 Acq On : 02 Jul 2025 10:01
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 01:27:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M

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

QLast Update : Thu Jul 03 01:24:10 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	120056	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	305088	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	264493	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.383	95	204100	10.032	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	6761	0.538	ppbv	93
3) Chlorodifluoromethane	1.479	51	9970	0.531	ppbv	100
4) Chloromethane	1.534	50	2488	0.505	ppbv	94
5) Vinyl Chloride	1.583	62	2367	0.478	ppbv	97
6) Bromomethane	1.670	94	1373	0.620	ppbv	87
7) Chloroethane	1.709	64	1065	0.560	ppbv	90
8) Dichlorotetrafluoroethane	1.557	85	6025	0.579	ppbv	94
9) Propene	1.486	41	3647	0.519	ppbv	100
10) Heptane	4.988	43	7941m	0.416	ppbv	
11) Trichlorofluoromethane	1.881	101	6942	0.524	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	5694	0.543	ppbv	98
13) Ethanol	1.725	45	413	0.618	ppbv #	37
14) Bromoethene	1.784	108	1985	0.543	ppbv #	89
15) Acetone	1.839	43	7388	0.620	ppbv	95
16) 1,3-Butadiene	1.609	39	3229	0.588	ppbv	93
17) tert-Butyl alcohol	2.046	59	6335	0.545	ppbv	94
18) 1,1-Dichloroethene	2.036	96	2642	0.567	ppbv #	91
19) Isopropyl Alcohol	1.890	45	3920	0.573	ppbv #	1
20) Methylene Chloride	2.065	84	3034	0.666	ppbv	95
21) Allyl Chloride	2.098	41	4410	0.531	ppbv	90
22) trans-1,2-Dichloroethene	2.344	96	2772m	0.546	ppbv	
23) Vinyl Acetate	2.463	43	8636	0.448	ppbv #	90
24) 1,1-Dichloroethane	2.415	63	5666	0.540	ppbv #	95
25) Ethyl Acetate	2.845	43	17395	0.483	ppbv	99
26) Hexane	2.832	57	6861	0.457	ppbv	90
27) Carbon Disulfide	2.153	76	6363	0.519	ppbv #	30
28) Methyl tert-Butyl Ether	2.444	73	2957	0.481	ppbv #	89
29) Chloroform	2.855	83	11910	0.525	ppbv	97
30) Cyclohexane	3.858	84	4837m	0.426	ppbv	
31) cis-1,2-Dichloroethene	2.725	61	6768	0.473	ppbv	89
32) 1,1,1-Trichloroethane	3.373	97	10729	0.495	ppbv	96
34) 2-Butanone	2.567	43	11862	0.491	ppbv	98
35) Carbon Tetrachloride	3.768	117	10262	0.485	ppbv #	86
36) Benzene	3.661	78	15039	0.489	ppbv	97
37) 1,2-Dichloroethane	3.224	62	8660	0.530	ppbv	99
38) Trichloroethene	4.561	130	6153	0.463	ppbv	94
39) 1,2-Dichloropropane	4.318	63	6453m	0.538	ppbv	
40) 1,4-Dioxane	4.609	88	2287m	0.496	ppbv	
41) Tetrahydrofuran	3.069	42	5513	0.448	ppbv	98
42) Bromodichloromethane	4.496	83	11914m	0.515	ppbv	
43) Methyl Methacrylate	4.891	69	3578m	0.362	ppbv	
44) 2,2,4-Trimethylpentane	4.654	57	23040m	0.449	ppbv	
45) t-1,3-Dichloropropene	6.438	75	4215m	0.406	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 01:27:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M

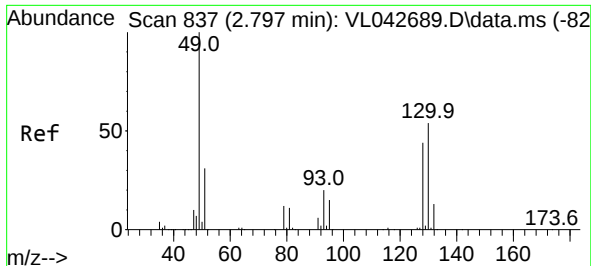
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Jul 03 01:24:10 2025

Response via : Initial Calibration

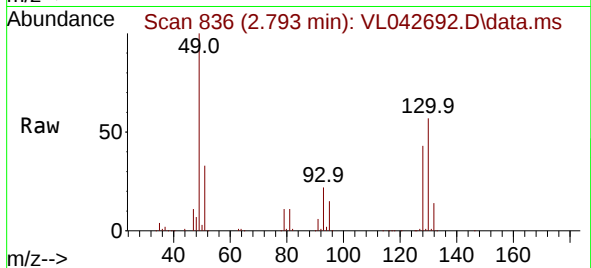
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	6399m	0.447	ppbv	
47) 1,1,2-Trichloroethane	6.600	97	5730m	0.485	ppbv	
48) Dibromochloromethane	7.393	129	8686	0.480	ppbv	93
49) Bromoform	9.490	173	7390	0.473	ppbv	97
50) 4-Methyl-2-Pentanone	5.778	43	12481m	0.442	ppbv	
51) 2-Hexanone	7.457	43	7501m	0.364	ppbv	
52) Tetrachloroethene	8.234	164	4943m	0.479	ppbv	
53) Toluene	6.940	91	11461	0.399	ppbv	100
54) 1,2-Dibromoethane	7.661	107	8096	0.491	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.930	131	7670	0.536	ppbv #	1
57) Chlorobenzene	8.927	112	13987	0.527	ppbv	90
58) Ethyl Benzene	9.364	91	15248	0.399	ppbv	97
59) m/p-Xylene	9.558	91	24797m	0.774	ppbv	
60) o-Xylene	9.969	91	11759	0.373	ppbv	100
61) Styrene	9.875	104	4504	0.364	ppbv	99
62) Isopropylbenzene	10.545	105	20205	0.425	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.969	83	12230	0.504	ppbv	97
64) n-propylbenzene	10.995	120	4354	0.358	ppbv	79
65) tert-Butylbenzene	11.536	119	15561	0.382	ppbv	98
66) Benzyl Chloride	11.617	91	1543	0.391	ppbv #	83
67) sec-Butylbenzene	11.778	105	26399	0.423	ppbv	98
69) p-Isopropyltoluene	11.930	119	19758	0.398	ppbv	98
70) n-Butylbenzene	12.287	91	18308	0.366	ppbv	93
71) 2-Chlorotoluene	10.908	91	14226	0.404	ppbv	99
72) 4-Ethyltoluene	11.131	105	14541	0.378	ppbv	98
73) 1,3,5-Trimethylbenzene	11.212	105	12371	0.382	ppbv	94
74) 1,2,4-Trimethylbenzene	11.545	105	14096	0.381	ppbv #	83
75) 1,3-Dichlorobenzene	11.613	146	12551	0.484	ppbv	96
76) 1,4-Dichlorobenzene	11.678	146	11188	0.454	ppbv	96
77) 1,2-Dichlorobenzene	11.953	146	13512	0.515	ppbv	97
78) Hexachloro-1,3-Butadiene	13.885	225	11034	0.540	ppbv	97
79) Naphthalene	13.520	128	8668	0.283	ppbv #	94
80) Naphthalene,2-methyl-	14.462	142	2536	0.198	ppbv	85
81) 1,2,4-Trichlorobenzene	13.445	180	5818	0.323	ppbv	94

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

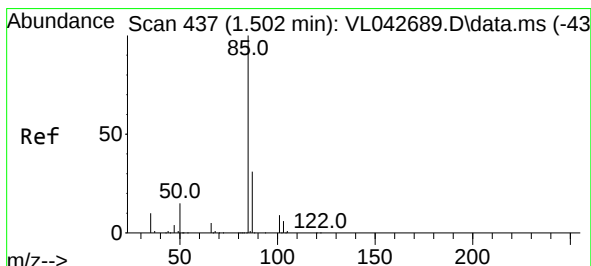
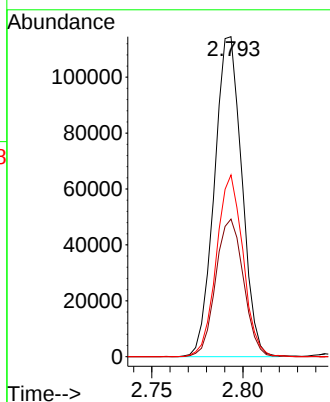
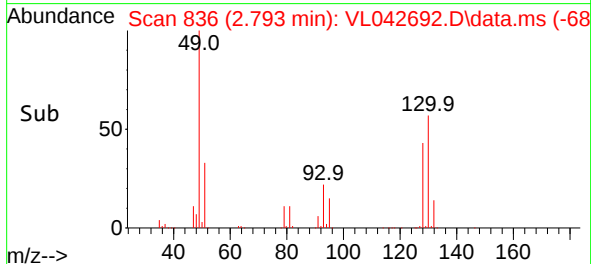
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 49 Resp: 12050
Ion Ratio Lower Upper
49 100
128 43.5 21.4 64.2
130 55.0 28.0 84.0

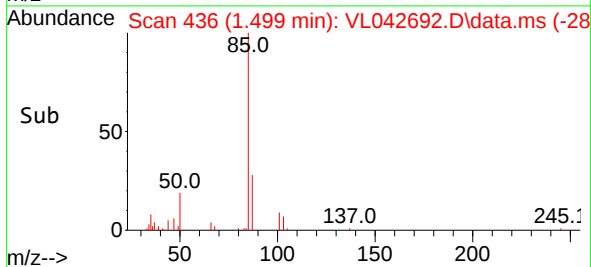
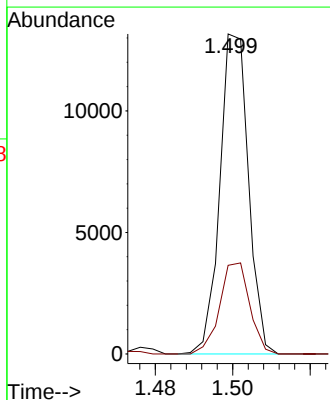
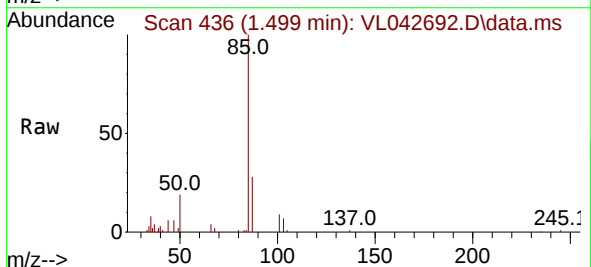
Manual Integrations
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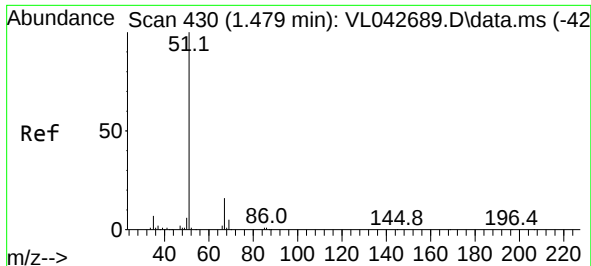
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#2
Dichlorodifluoromethane
Concen: 0.538 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

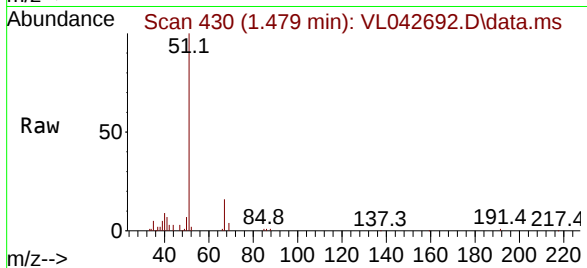
Tgt Ion: 85 Resp: 6761
Ion Ratio Lower Upper
85 100
87 27.7 25.1 37.7





#3
Chlorodifluoromethane
Concen: 0.531 ppbv
RT: 1.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

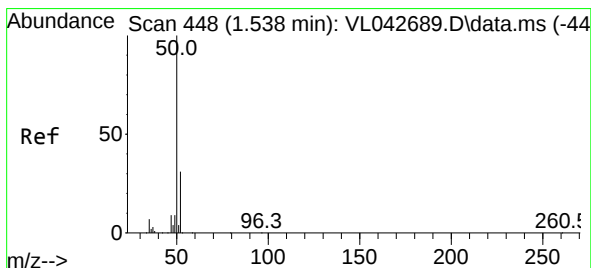
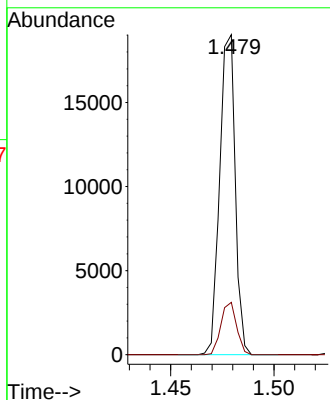
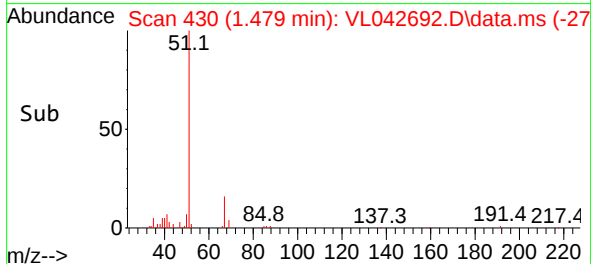
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



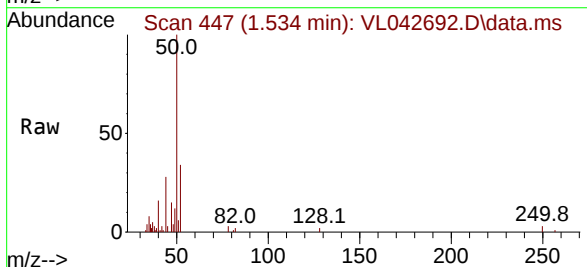
Tgt Ion: 51 Resp: 9970
Ion Ratio Lower Upper
51 100
67 16.5 13.1 19.7

Manual Integrations
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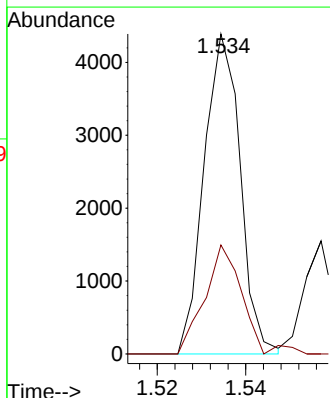
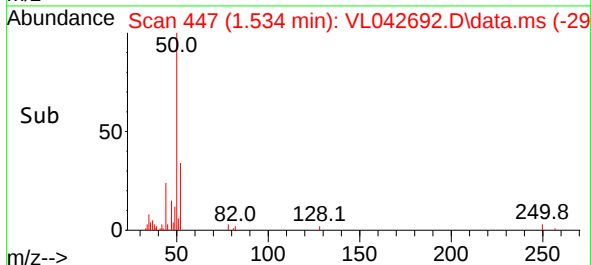
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

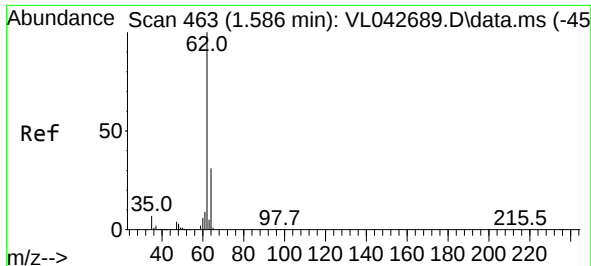


#4
Chloromethane
Concen: 0.505 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01



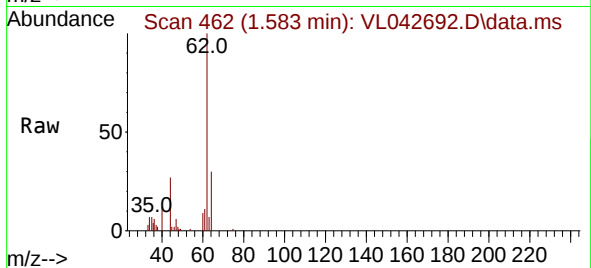
Tgt Ion: 50 Resp: 2488
Ion Ratio Lower Upper
50 100
52 34.1 24.8 37.2





#5
 Vinyl Chloride
 Concen: 0.478 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.003 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

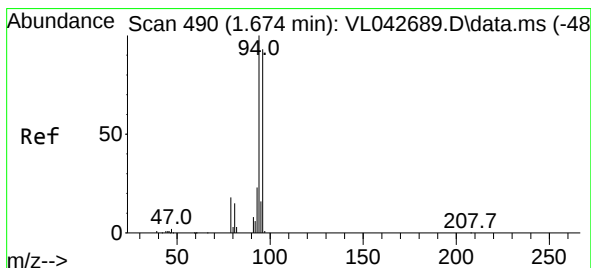
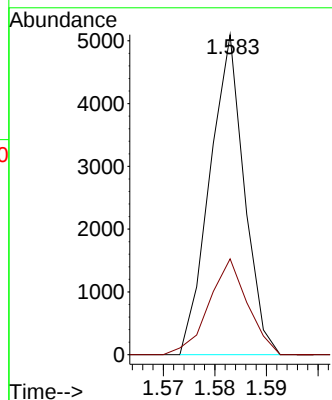
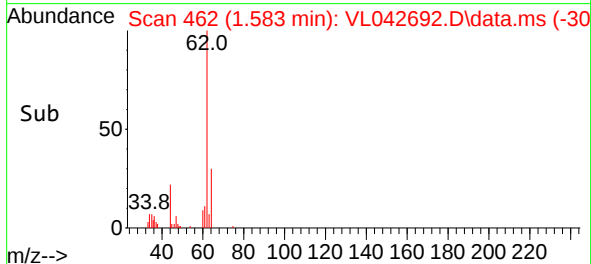
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



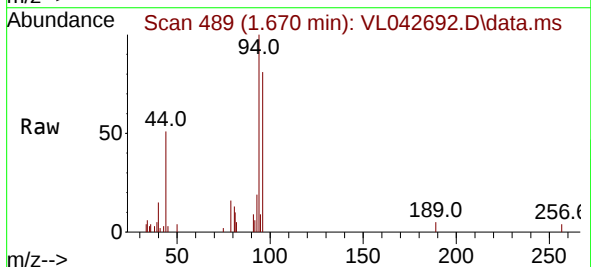
Tgt Ion: 62 Resp: 236
 Ion Ratio Lower Upper
 62 100
 64 30.0 25.1 37.7

Manual Integrations
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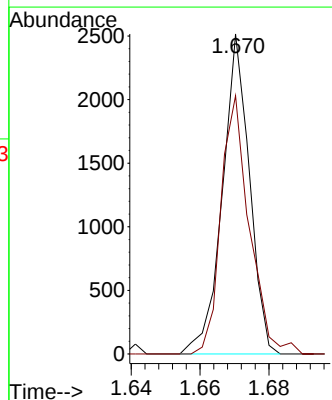
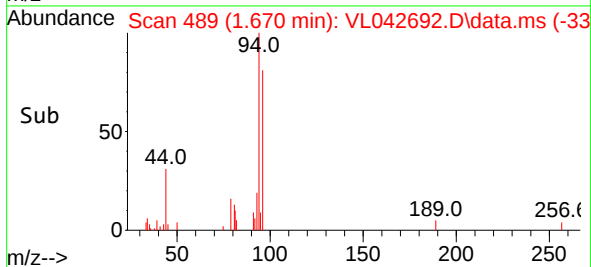
Reviewed By :Semsettin Yesilyurt 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025

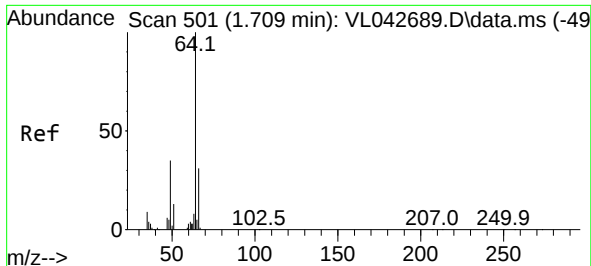


#6
 Bromomethane
 Concen: 0.620 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.003 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01



Tgt Ion: 94 Resp: 1373
 Ion Ratio Lower Upper
 94 100
 96 80.7 74.6 112.0





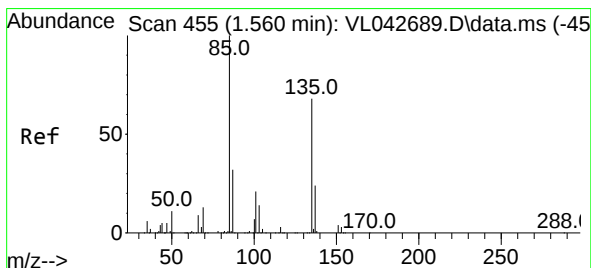
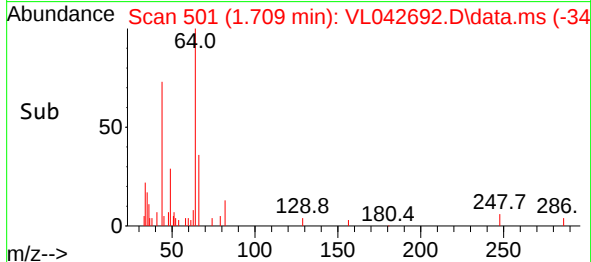
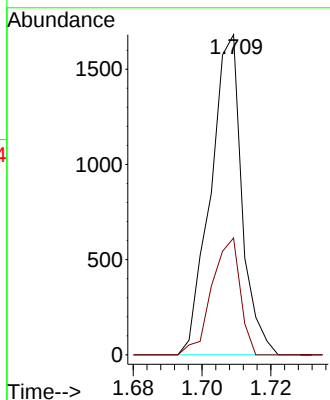
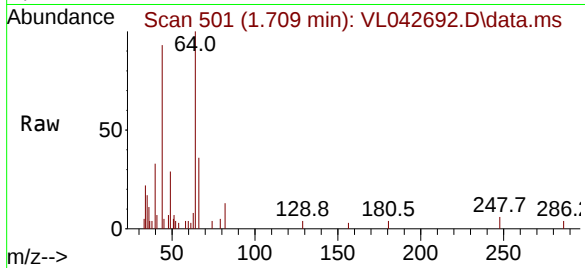
#7
Chloroethane
Concen: 0.560 ppbv
RT: 1.709 min Scan# 501
Delta R.T. -0.000 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 64 Resp: 106
Ion Ratio Lower Upper
64 100
66 36.4 24.7 37.1

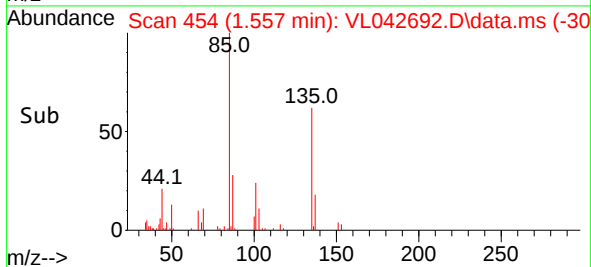
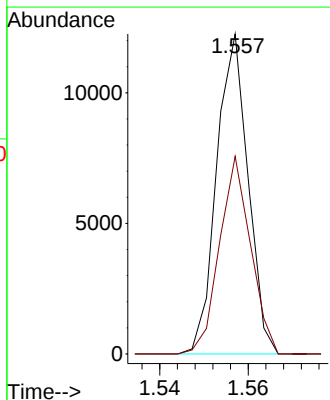
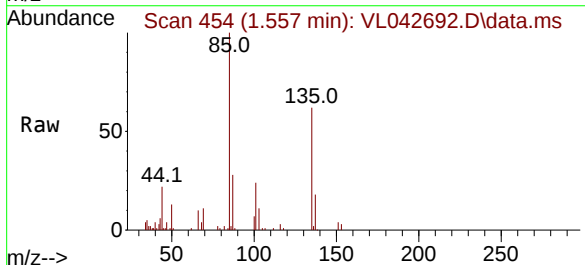
Manual Integrations
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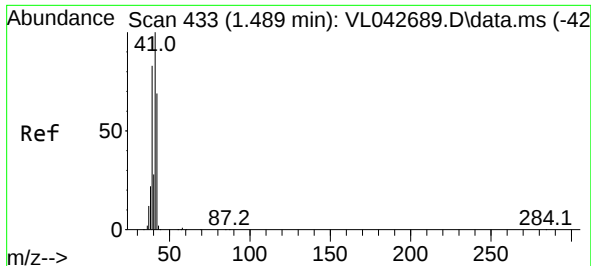
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#8
Dichlorotetrafluoroethane
Concen: 0.579 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion: 85 Resp: 6025
Ion Ratio Lower Upper
85 100
135 61.3 52.6 79.0





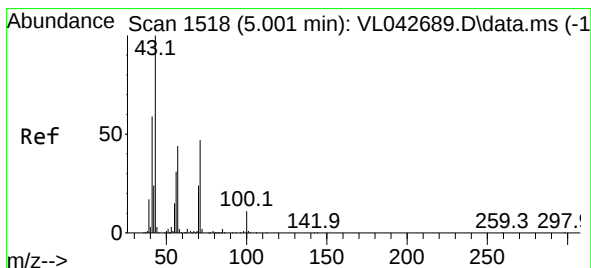
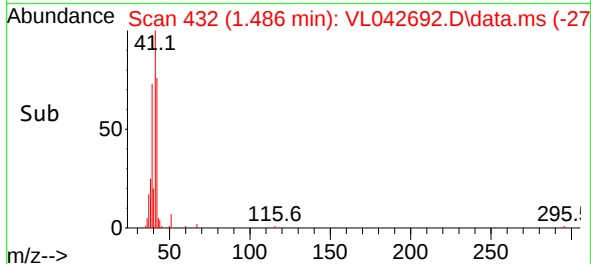
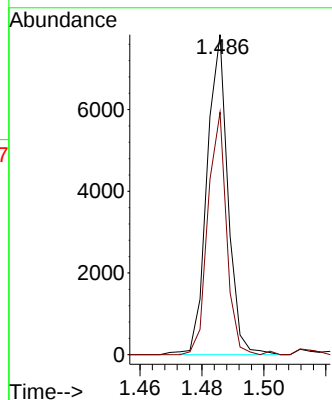
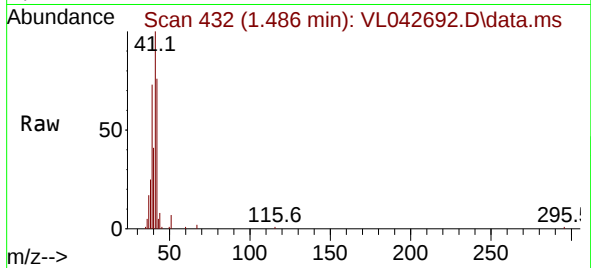
#9
 Propene
 Concen: 0.519 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 364
 Ion Ratio Lower Upper
 41 100
 42 69.6 55.6 83.4

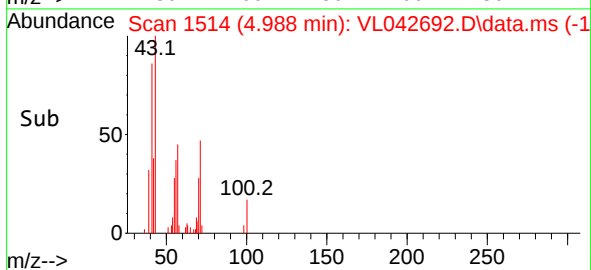
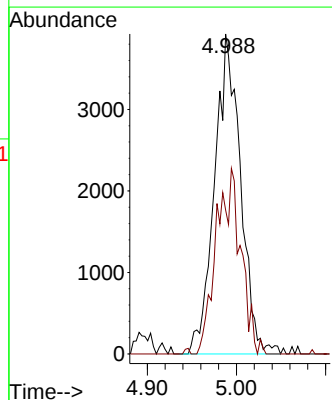
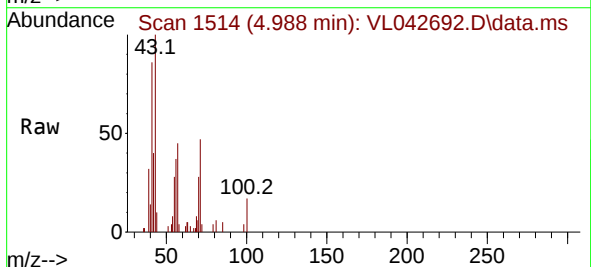
Manual Integrations
 APPROVED

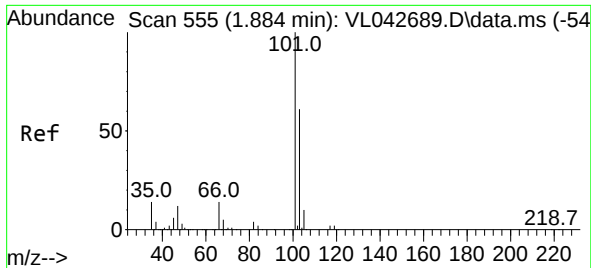
Reviewed By :Semsettin Yesilyurt 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025



#10
 Heptane
 Concen: 0.416 ppbv m
 RT: 4.988 min Scan# 1514
 Delta R.T. -0.013 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

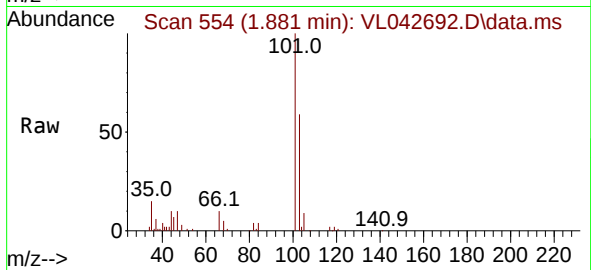
Tgt Ion: 43 Resp: 7941
 Ion Ratio Lower Upper
 43 100
 57 55.3 37.4 56.0





#11
 Trichlorofluoromethane
 Concen: 0.524 ppbv
 RT: 1.881 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

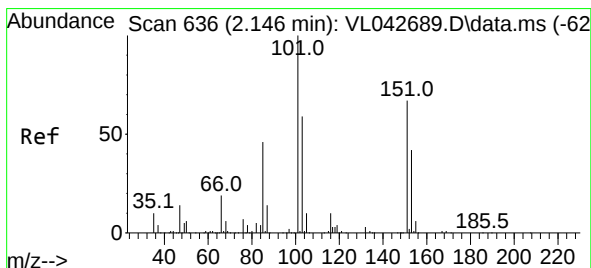
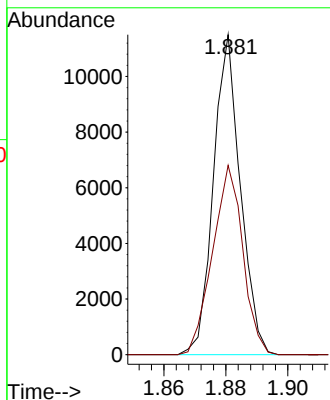
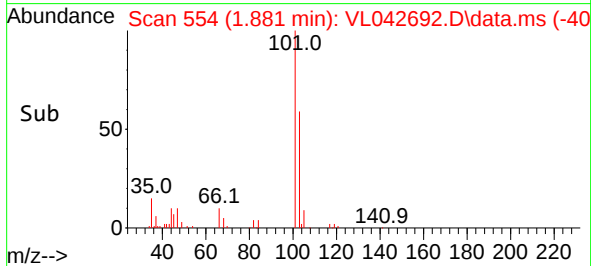
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



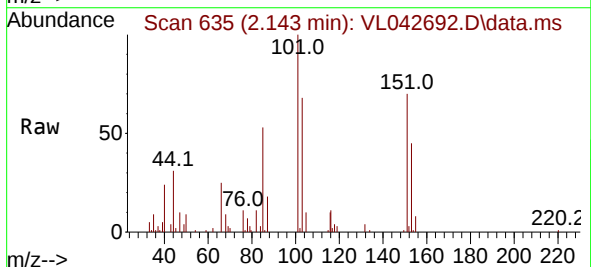
Tgt Ion:101 Resp: 694
 Ion Ratio Lower Upper
 101 100
 103 59.1 48.9 73.3

Manual Integrations
 APPROVED

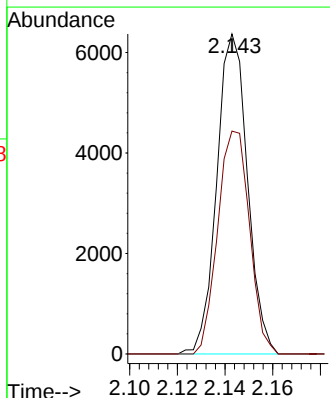
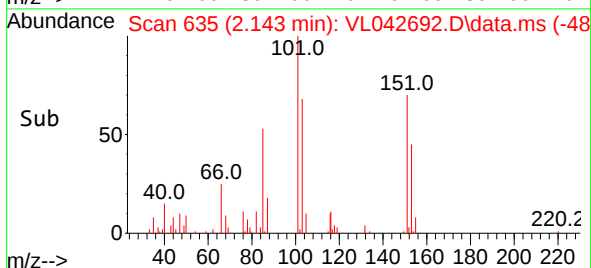
Reviewed By :Semsettin Yesilyurt 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025

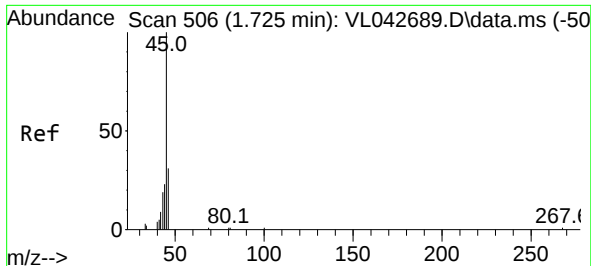


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.543 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.003 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01



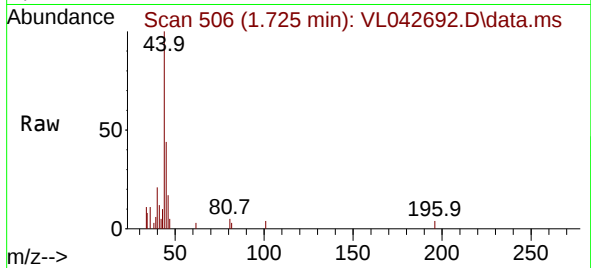
Tgt Ion:101 Resp: 5694
 Ion Ratio Lower Upper
 101 100
 151 72.2 56.6 84.8





#13
Ethanol
Concen: 0.618 ppbv
RT: 1.725 min Scan# 506
Delta R.T. -0.000 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

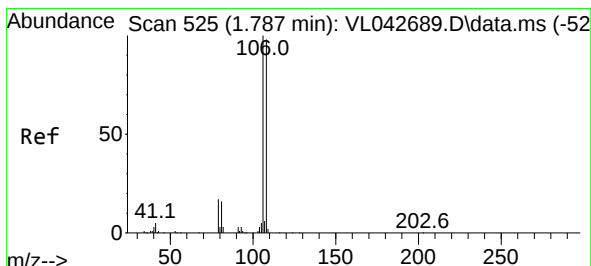
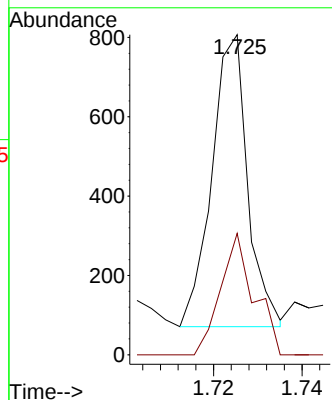
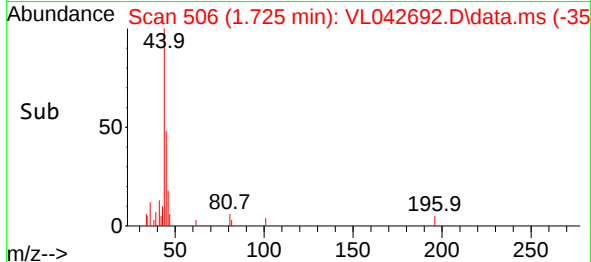
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



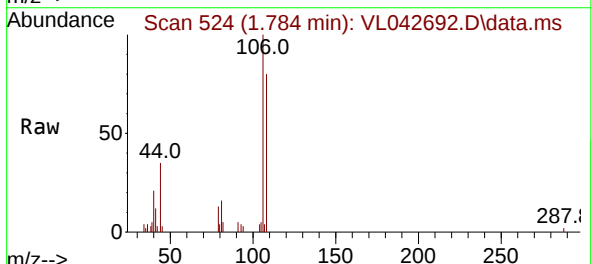
Tgt Ion: 45 Resp: 411
Ion Ratio Lower Upper
45 100
46 0.0 15.2 60.8

Manual Integrations
APPROVED

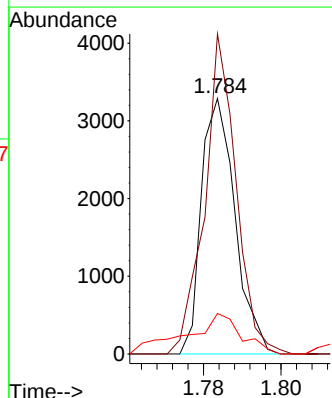
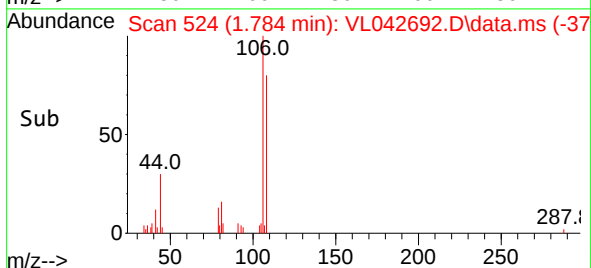
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

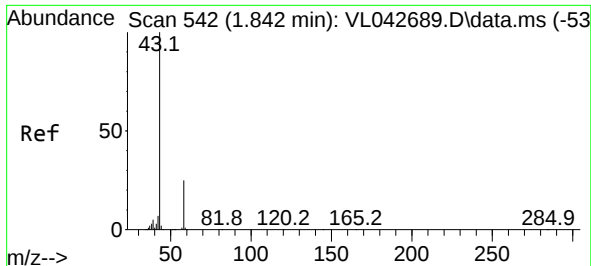


#14
Bromoethene
Concen: 0.543 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01



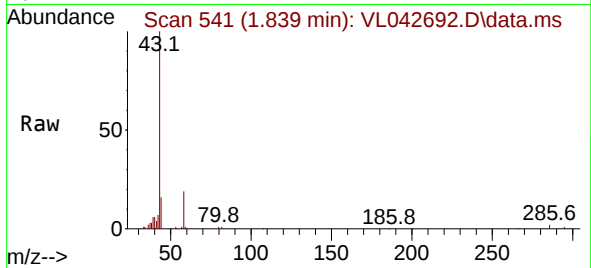
Tgt Ion:108 Resp: 1985
Ion Ratio Lower Upper
108 100
106 117.2 85.9 128.9
79 28.0 14.5 21.7





#15
Acetone
Concen: 0.620 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

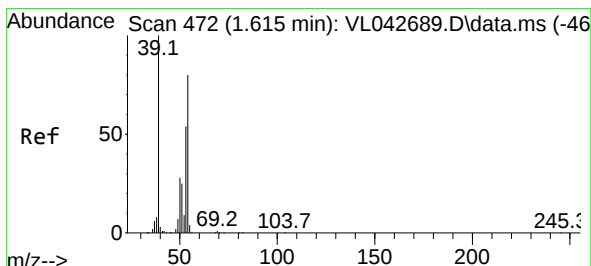
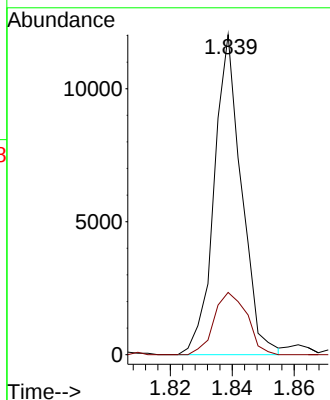
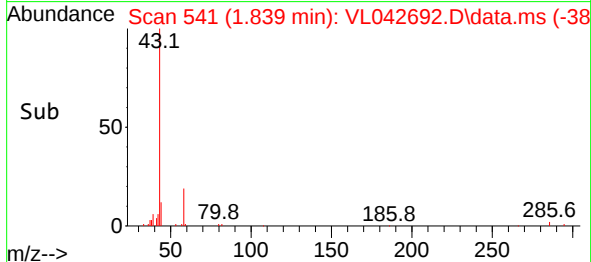
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 43 Resp: 7388
Ion Ratio Lower Upper
43 100
58 23.4 20.6 31.0

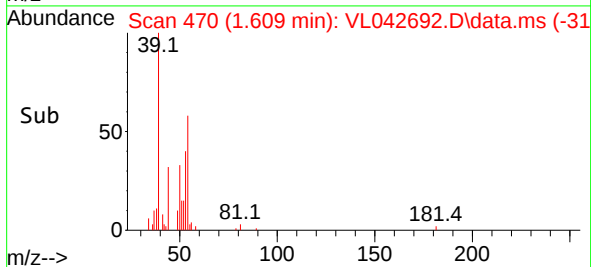
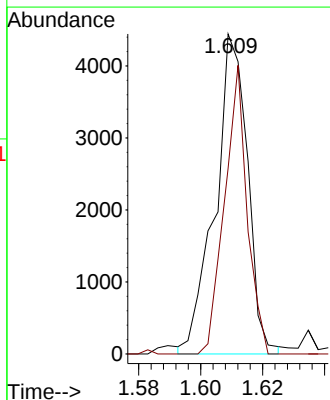
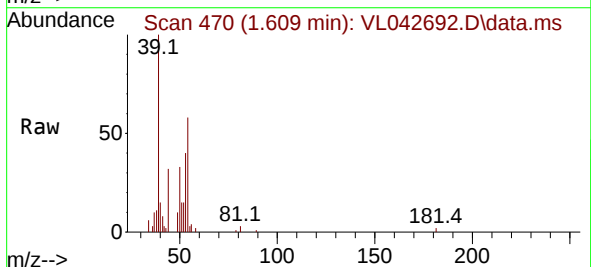
Manual Integrations
APPROVED

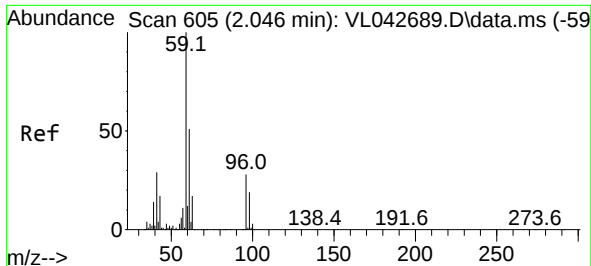
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#16
1,3-Butadiene
Concen: 0.588 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion: 39 Resp: 3229
Ion Ratio Lower Upper
39 100
54 62.6 54.9 82.3





#17

tert-Butyl alcohol

Concen: 0.545 ppbv

RT: 2.046 min Scan# 605

Delta R.T. -0.000 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 59 Resp: 633

Ion Ratio Lower Upper

59 100

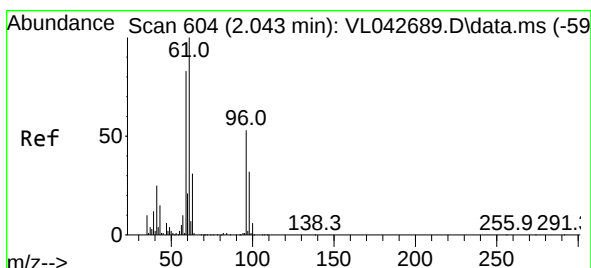
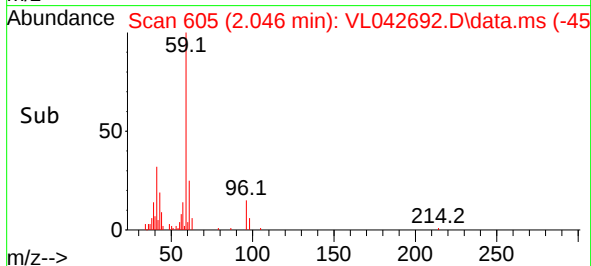
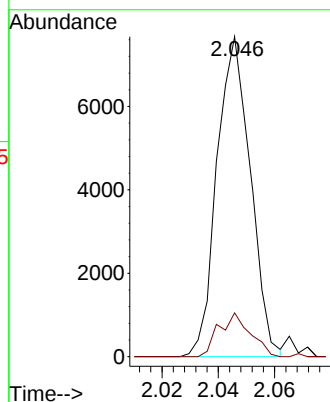
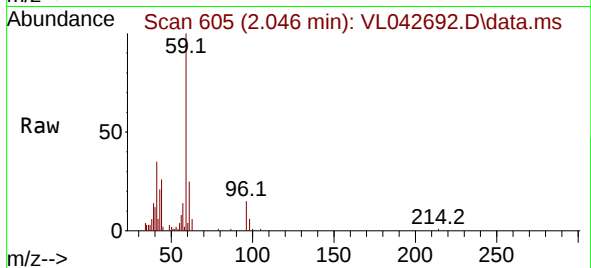
57 13.1 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025

Supervised By :Mahesh Dadoda 07/03/2025



#18

1,1-Dichloroethene

Concen: 0.567 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.007 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

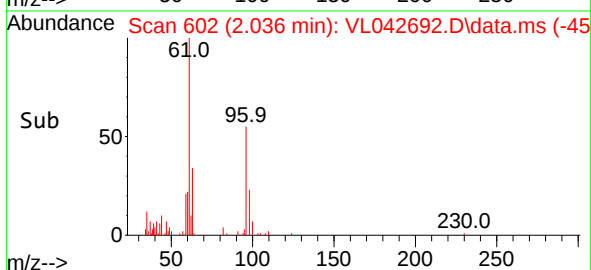
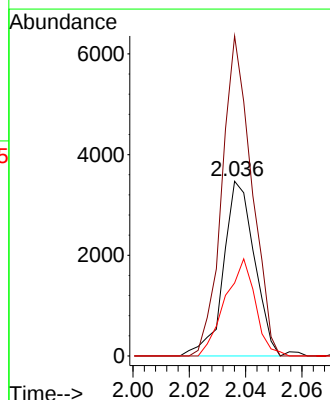
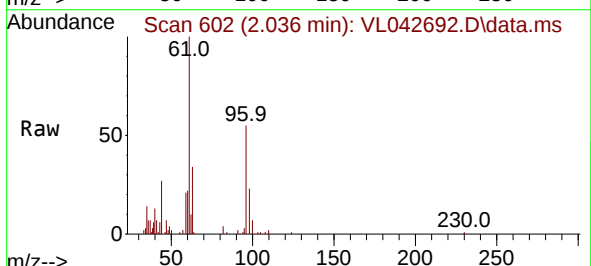
Tgt Ion: 96 Resp: 2642

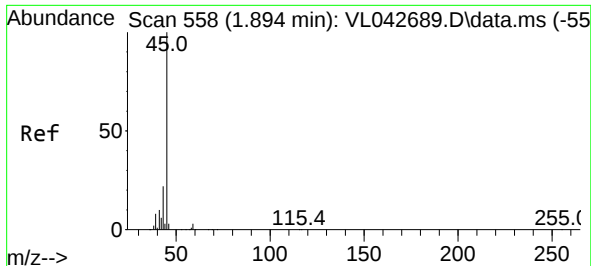
Ion Ratio Lower Upper

96 100

61 183.2 151.0 226.6

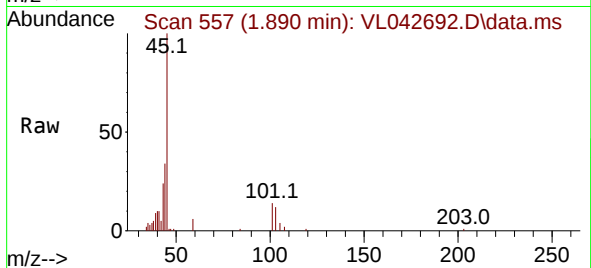
98 41.7 49.0 73.4





#19
Isopropyl Alcohol
Concen: 0.573 ppbv
RT: 1.890 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

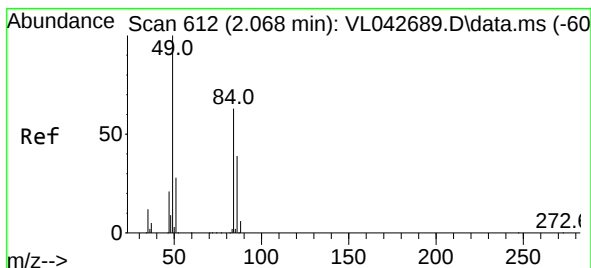
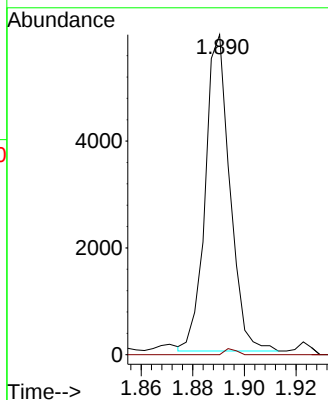
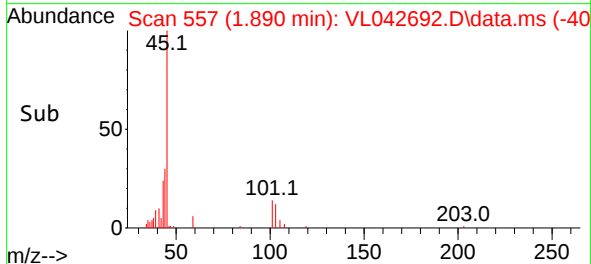
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



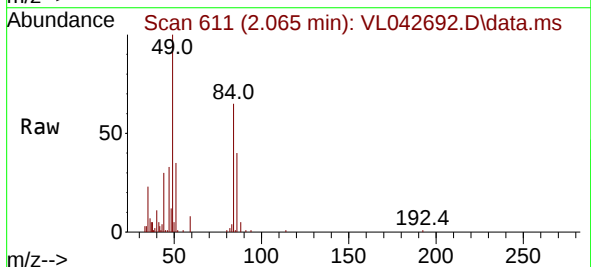
Tgt Ion: 45 Resp: 3920
Ion Ratio Lower Upper
45 100
58 44.6 1.4 2.2

Manual Integrations
APPROVED

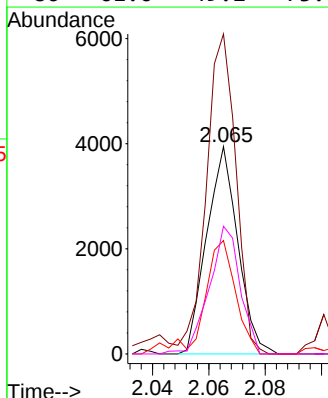
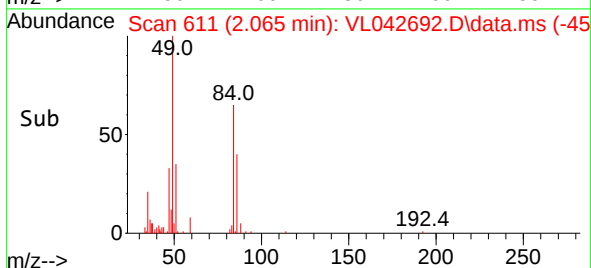
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

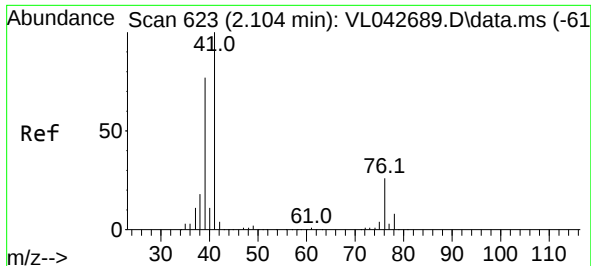


#20
Methylene Chloride
Concen: 0.666 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01



Tgt Ion: 84 Resp: 3034
Ion Ratio Lower Upper
84 100
49 154.4 128.6 193.0
51 54.7 37.4 56.2
86 61.6 49.2 73.8





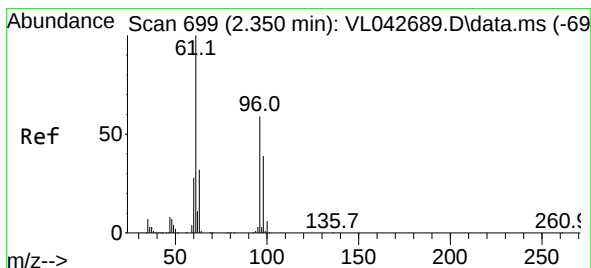
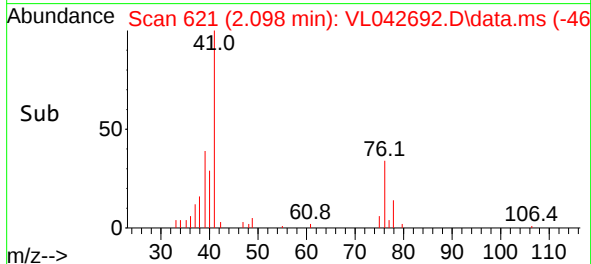
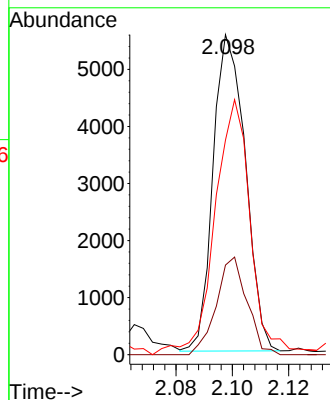
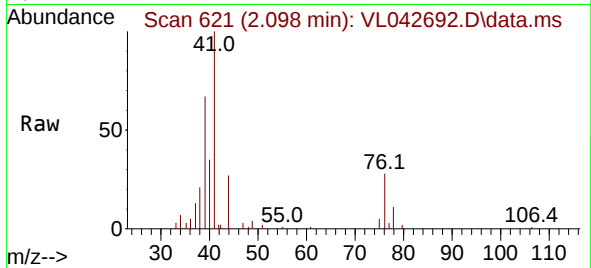
#21
 Allyl Chloride
 Concen: 0.531 ppbv
 RT: 2.098 min Scan# 610
 Delta R.T. -0.007 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 4410
 Ion Ratio Lower Upper
 41 100
 76 29.3 21.7 32.5
 39 90.0 63.4 95.2

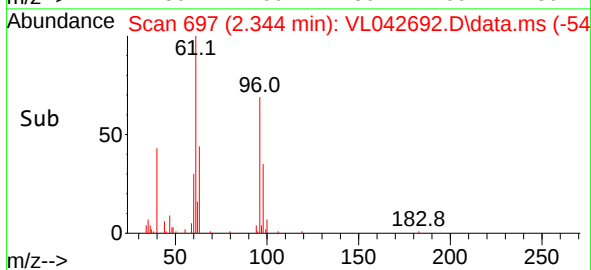
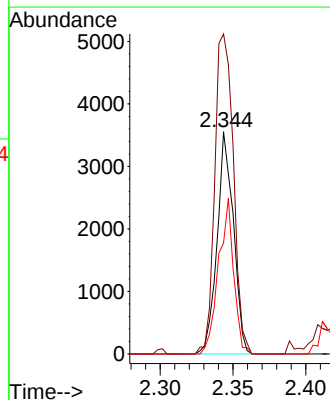
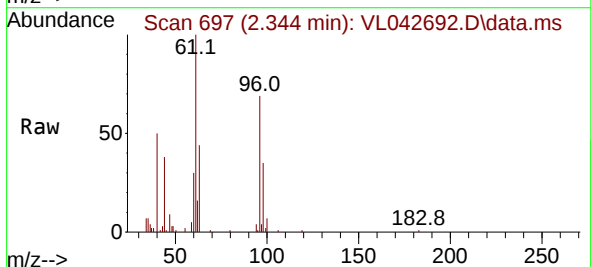
Manual Integrations
 APPROVED

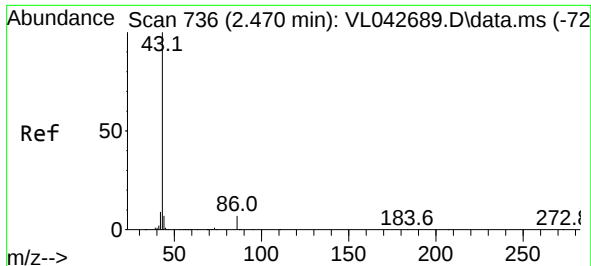
Reviewed By :Semsettin Yesilyurt 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.546 ppbv m
 RT: 2.344 min Scan# 697
 Delta R.T. -0.007 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

Tgt Ion: 96 Resp: 2772
 Ion Ratio Lower Upper
 96 100
 61 144.0 136.5 204.7
 98 50.0 53.5 80.3#





#23
 Vinyl Acetate
 Concen: 0.448 ppbv
 RT: 2.463 min Scan# 719
 Delta R.T. -0.007 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

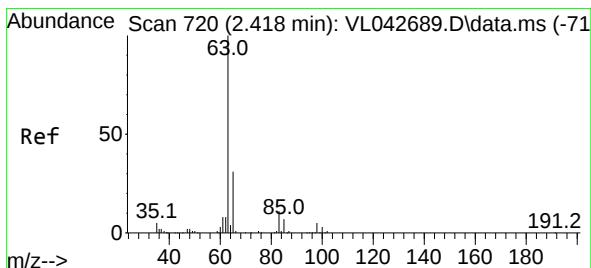
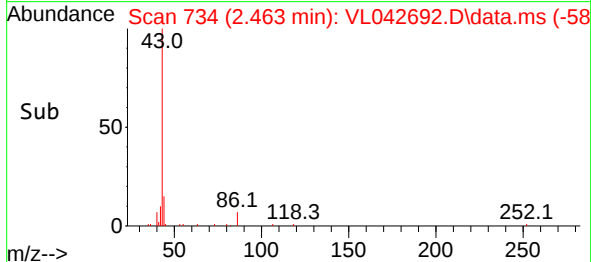
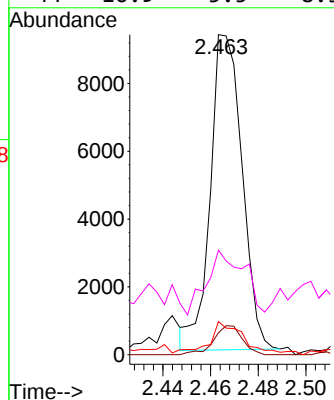
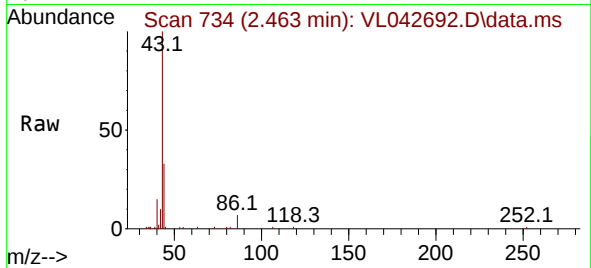
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 43 Resp: 8630

Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.8	8.6
42	9.8	7.2	10.8
44	16.9	5.5	8.3#

Manual Integrations
 APPROVED

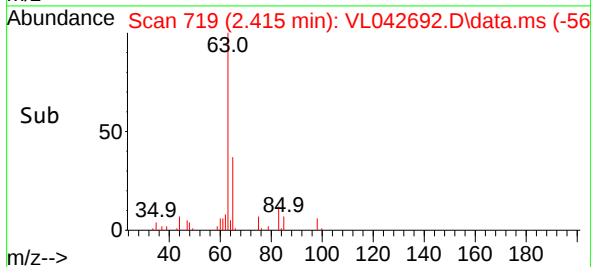
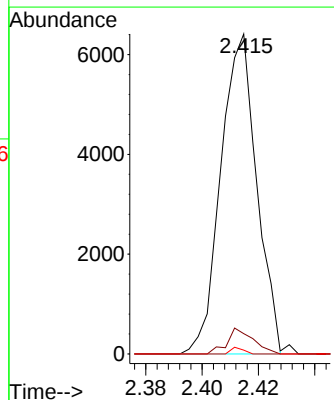
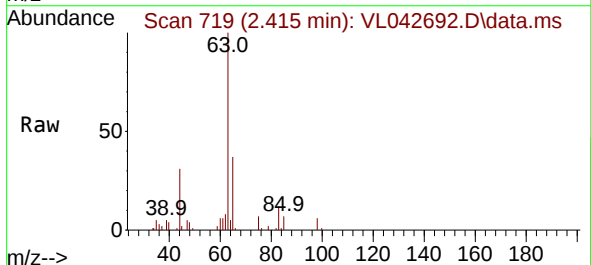
Reviewed By :Semsettin Yesilyurt 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025

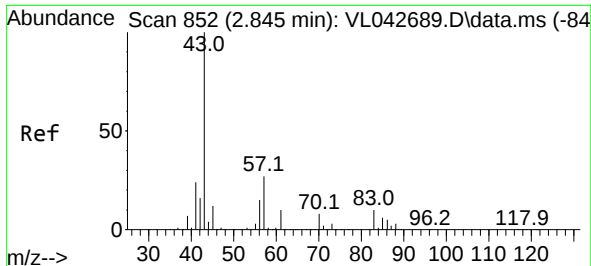


#24
 1,1-Dichloroethane
 Concen: 0.540 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

Tgt Ion: 63 Resp: 5666

Ion	Ratio	Lower	Upper
63	100		
98	6.4	2.5	7.6
100	1.2	1.7	5.0#





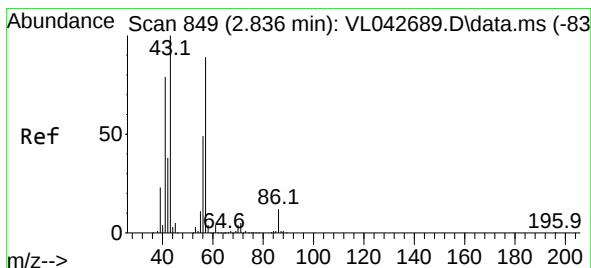
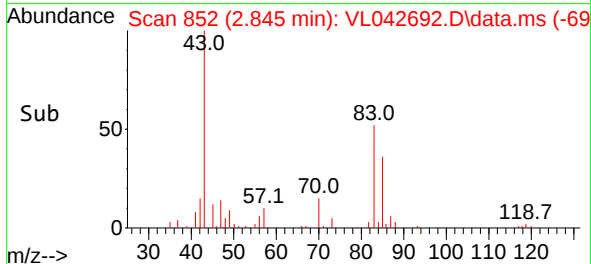
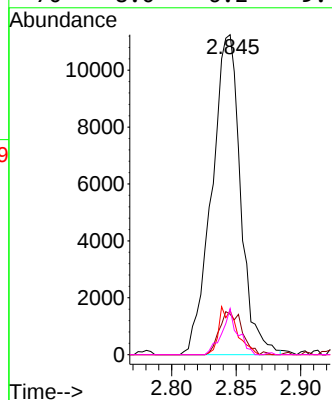
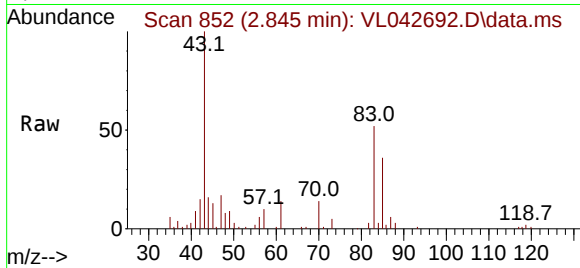
#25
Ethyl Acetate
Concen: 0.483 ppbv
RT: 2.845 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43	Resp: 1739
Ion Ratio	Lower Upper
43 100	
45 10.7	8.1 12.1
61 9.3	7.0 10.6
70 8.0	6.2 9.4

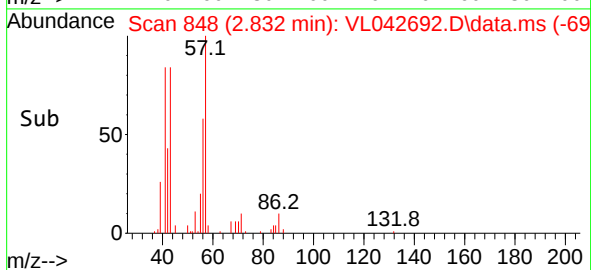
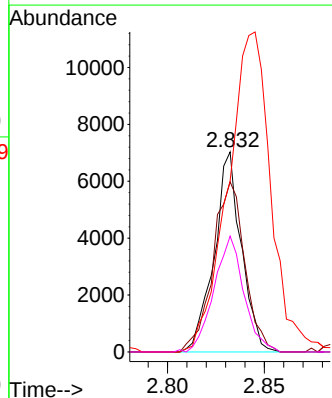
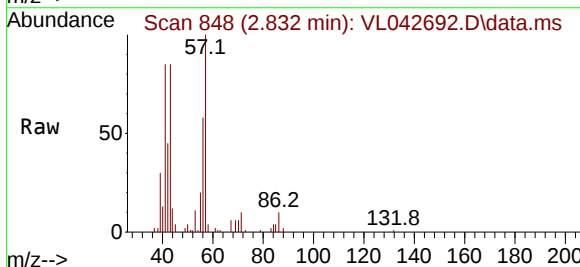
Manual Integrations
APPROVED

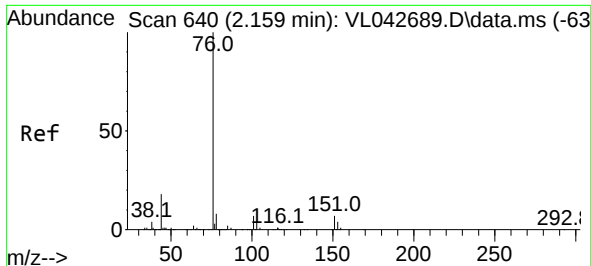
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#26
Hexane
Concen: 0.457 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

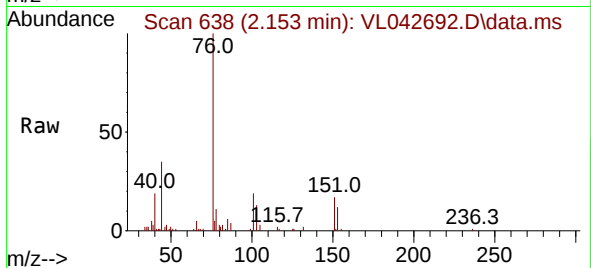
Tgt Ion: 57	Resp: 6861
Ion Ratio	Lower Upper
57 100	
41 99.4	73.7 110.5
43 255.1	190.6 285.8
56 63.8	44.8 67.2





#27
Carbon Disulfide
Concen: 0.519 ppbv
RT: 2.153 min Scan# 61
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

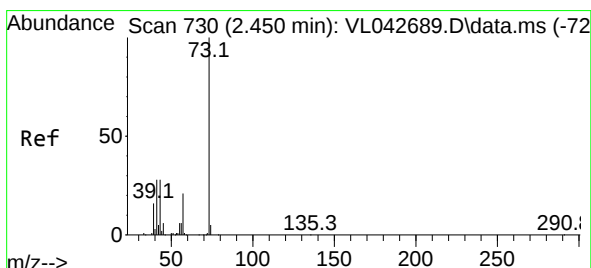
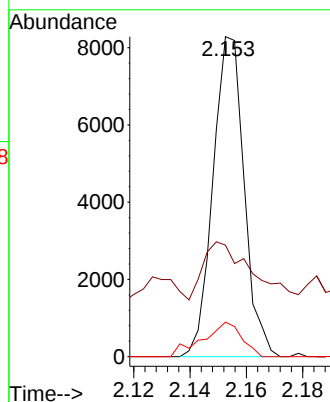
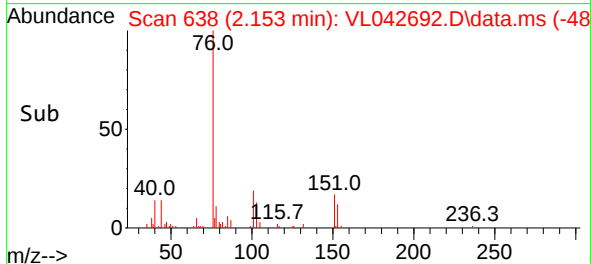
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



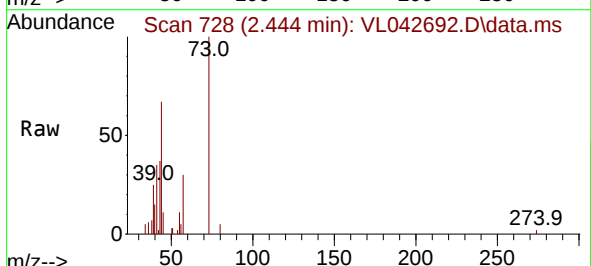
Tgt Ion: 76 Resp: 636
Ion Ratio Lower Upper
76 100
44 69.1 15.6 23.4
78 13.4 9.2 13.8

Manual Integrations
APPROVED

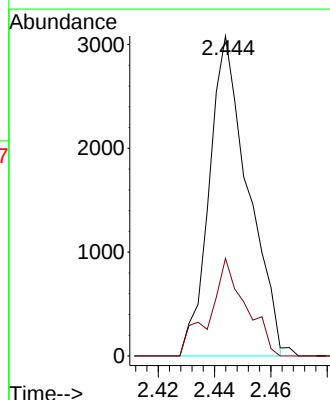
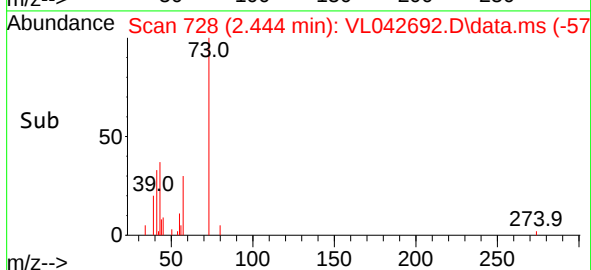
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

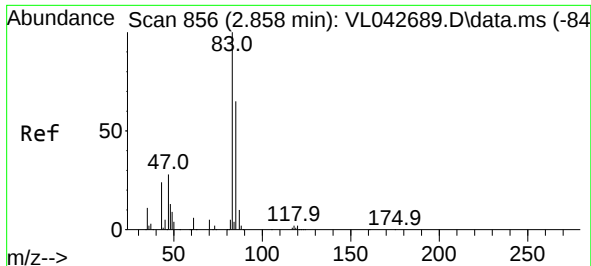


#28
Methyl tert-Butyl Ether
Concen: 0.481 ppbv
RT: 2.444 min Scan# 728
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01



Tgt Ion: 73 Resp: 2957
Ion Ratio Lower Upper
73 100
57 29.4 19.3 28.9





#29

Chloroform

Concen: 0.525 ppbv

RT: 2.855 min Scan# 85

Delta R.T. -0.003 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 11910

Ion Ratio Lower Upper

83 100

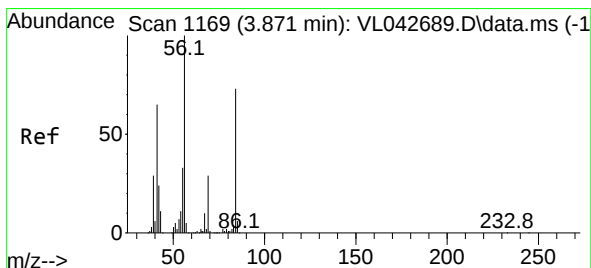
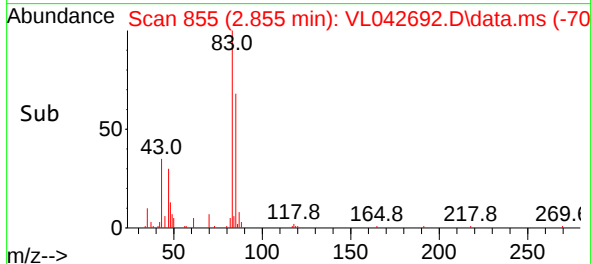
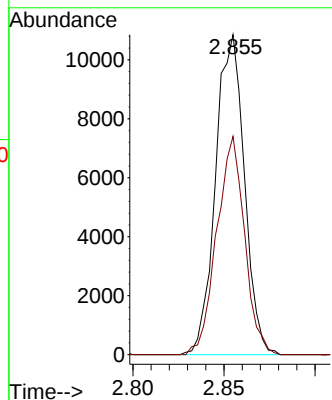
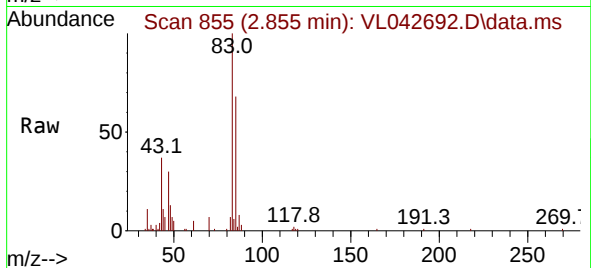
85 68.2 52.4 78.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025

Supervised By :Mahesh Dadoda 07/03/2025



#30

Cyclohexane

Concen: 0.426 ppbv m

RT: 3.858 min Scan# 1165

Delta R.T. -0.013 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

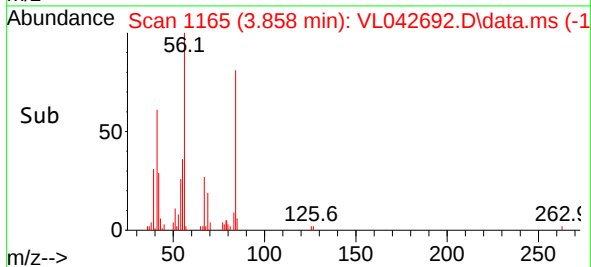
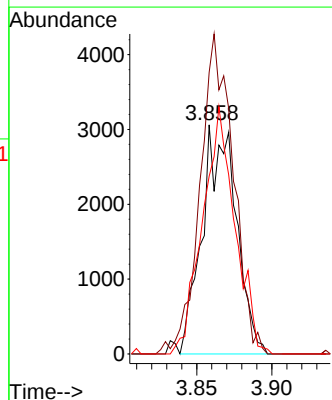
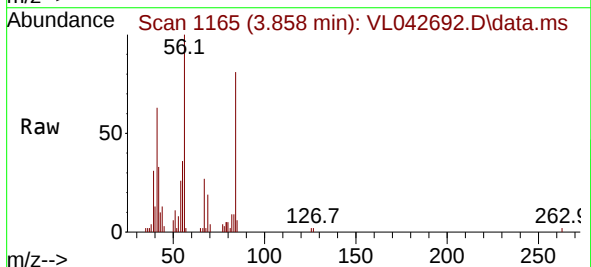
Tgt Ion: 84 Resp: 4837

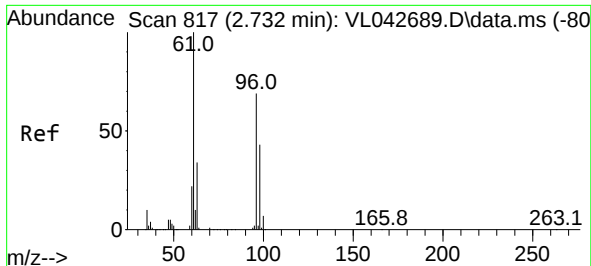
Ion Ratio Lower Upper

84 100

56 0.0 110.4 165.6#

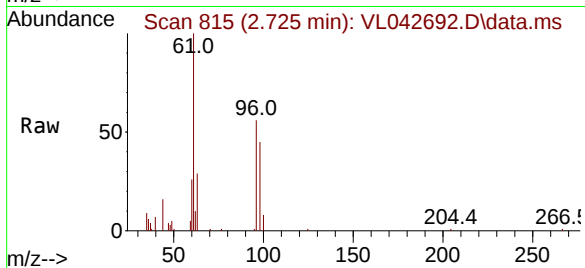
41 0.0 71.4 107.0#





#31
 cis-1,2-Dichloroethene
 Concen: 0.473 ppbv
 RT: 2.725 min Scan# 815
 Delta R.T. -0.007 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

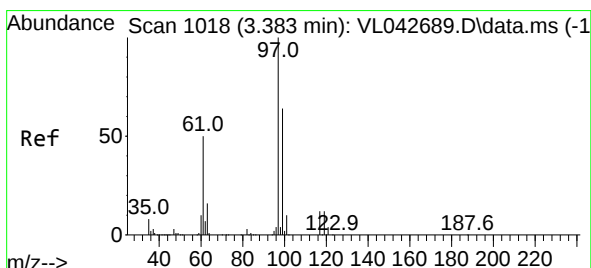
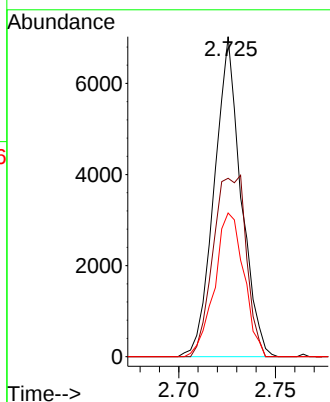
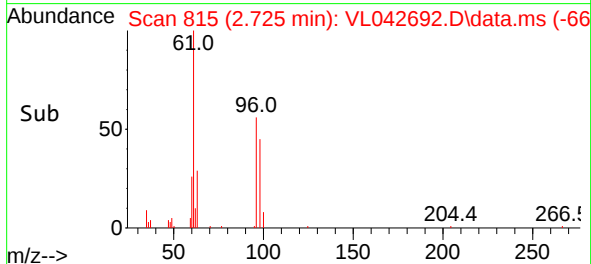
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



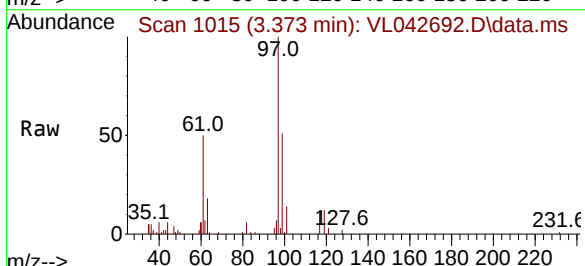
Tgt Ion: 61 Resp: 6768
 Ion Ratio Lower Upper
 61 100
 96 55.7 54.8 82.2
 98 44.9 34.7 52.1

Manual Integrations
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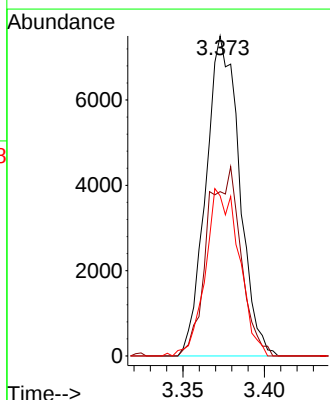
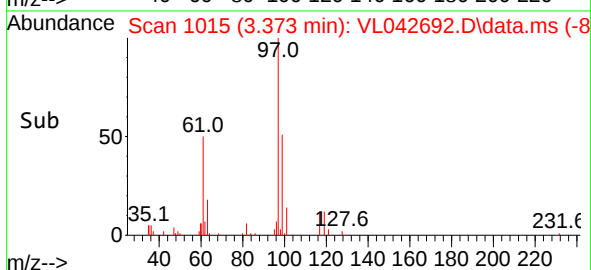
Reviewed By :Semsettin Yesilyurt 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025

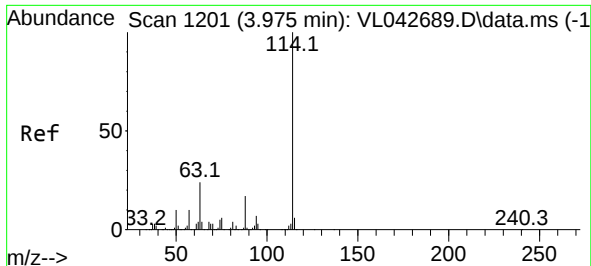


#32
 1,1,1-Trichloroethane
 Concen: 0.495 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. -0.010 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01



Tgt Ion: 97 Resp: 10729
 Ion Ratio Lower Upper
 97 100
 99 59.3 51.4 77.0
 61 52.4 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.010 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

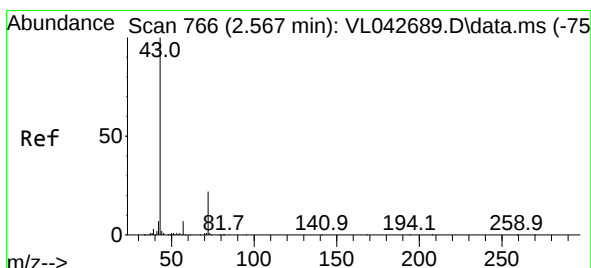
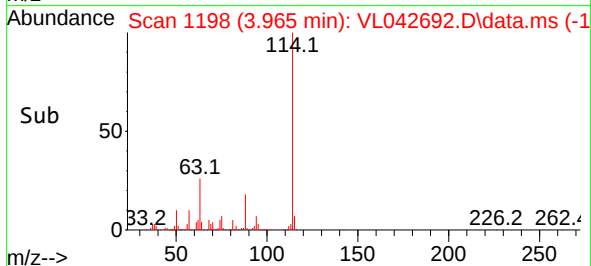
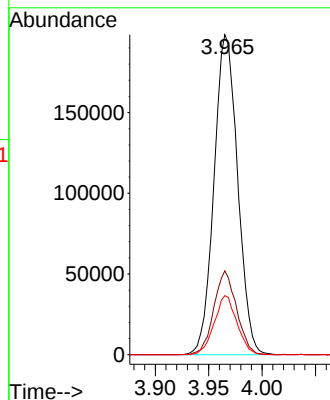
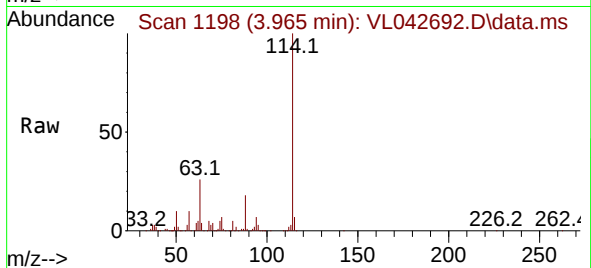
VSTDIC0.5

Tgt Ion:	114	Resp:	30508
Ion Ratio	Lower	Upper	
114	100		
63	25.3	20.4	30.6
88	17.7	14.2	21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#34

2-Butanone

Concen: 0.491 ppbv

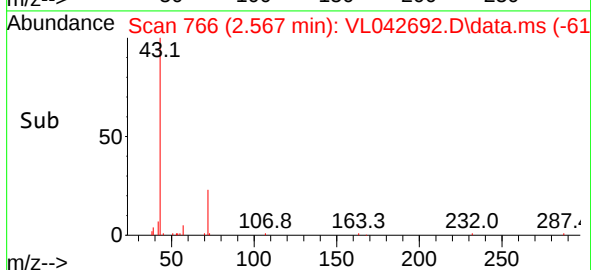
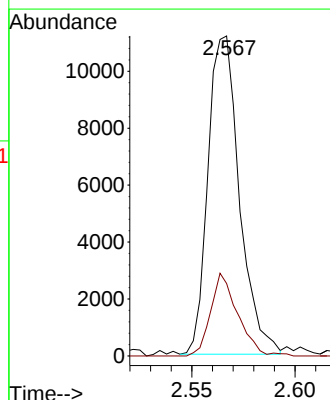
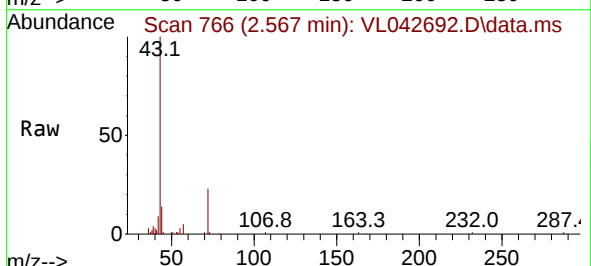
RT: 2.567 min Scan# 766

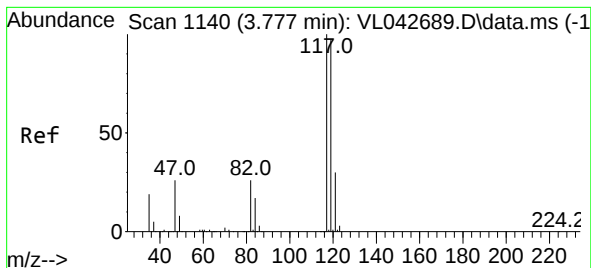
Delta R.T. -0.000 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

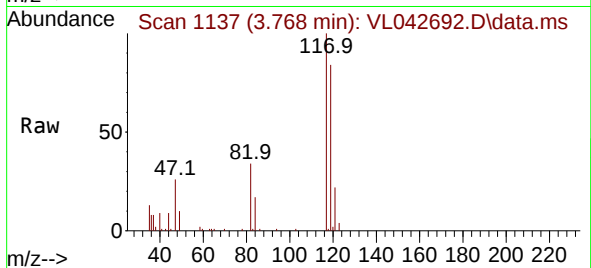
Tgt Ion:	43	Resp:	11862
Ion Ratio	Lower	Upper	
43	100		
72	22.5	17.1	25.7





#35
Carbon Tetrachloride
Concen: 0.485 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. -0.010 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

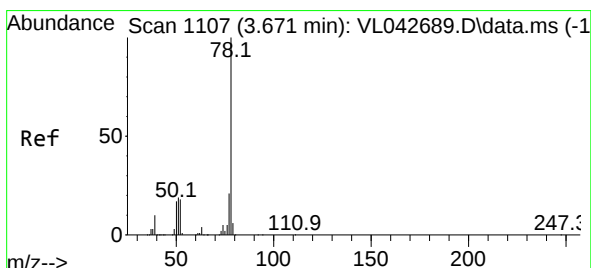
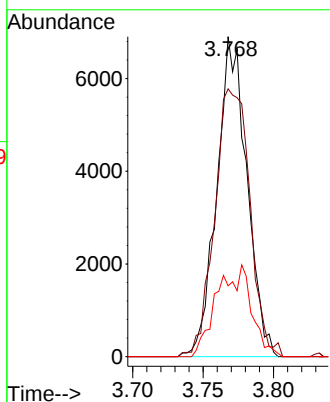
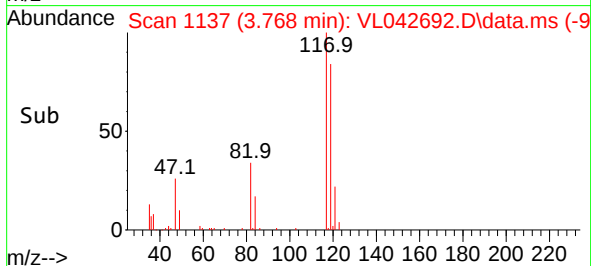
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



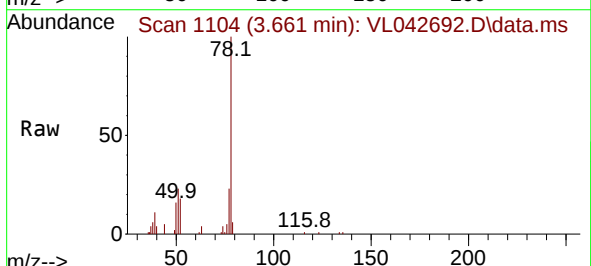
Tgt Ion: 117 Resp: 1026
Ion Ratio Lower Upper
117 100
119 83.7 77.6 116.4
121 22.1 24.0 36.0

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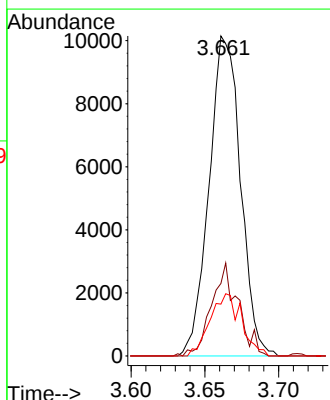
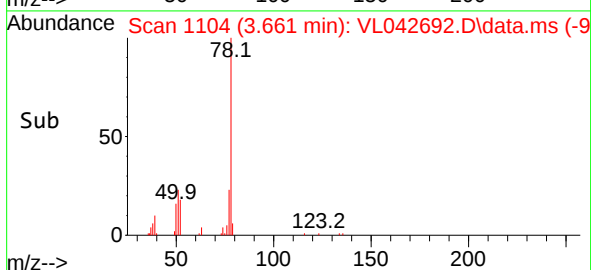
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

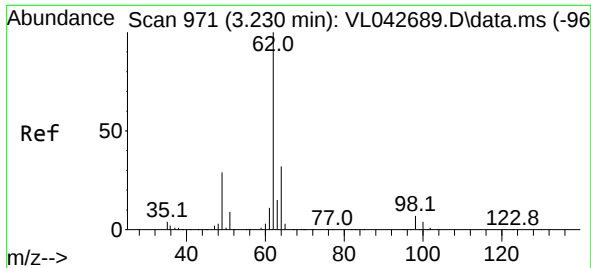


#36
Benzene
Concen: 0.489 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.010 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01



Tgt Ion: 78 Resp: 15039
Ion Ratio Lower Upper
78 100
77 22.6 17.0 25.4
50 16.2 13.7 20.5





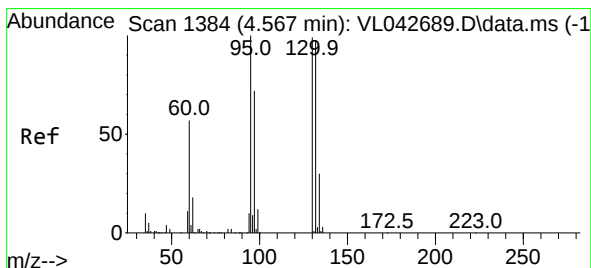
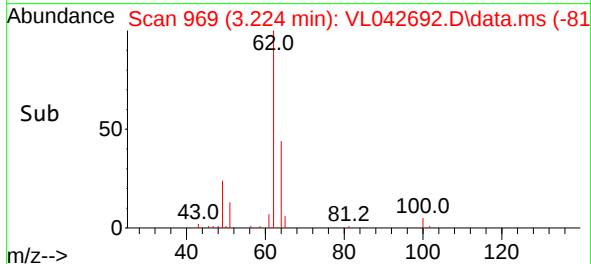
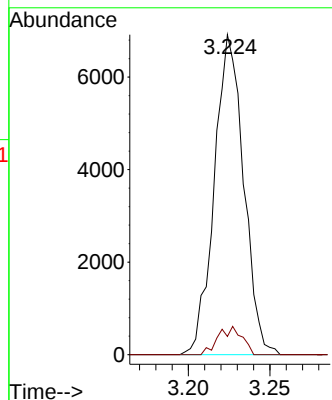
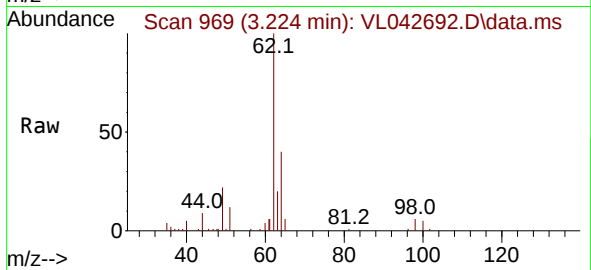
#37
1,2-Dichloroethane
Concen: 0.530 ppbv
RT: 3.224 min Scan# 90
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 62 Resp: 866
Ion Ratio Lower Upper
62 100
98 7.1 5.8 8.8

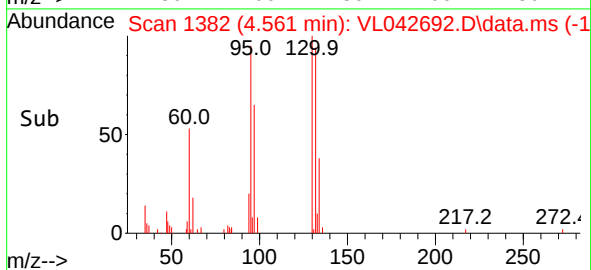
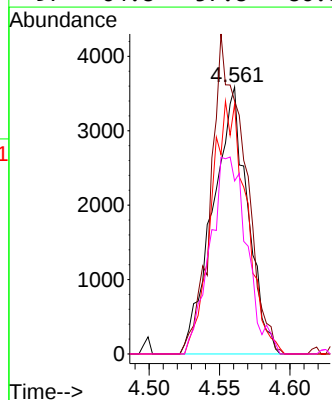
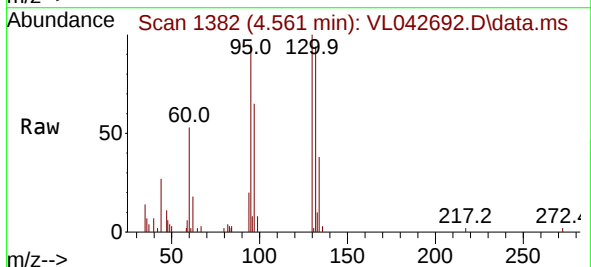
Manual Integrations
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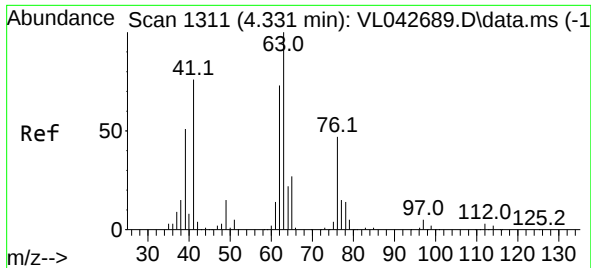
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#38
Trichloroethene
Concen: 0.463 ppbv
RT: 4.561 min Scan# 1382
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion:130 Resp: 6153
Ion Ratio Lower Upper
130 100
95 94.8 81.1 121.7
132 93.7 77.9 116.9
97 64.8 57.8 86.8





#39

1,2-Dichloropropane

Concen: 0.538 ppbv m

RT: 4.318 min Scan# 1307

Delta R.T. -0.013 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

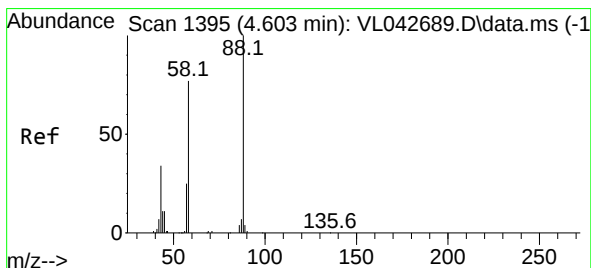
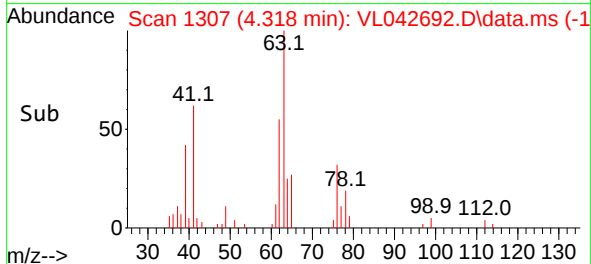
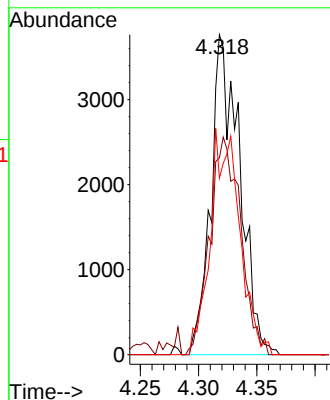
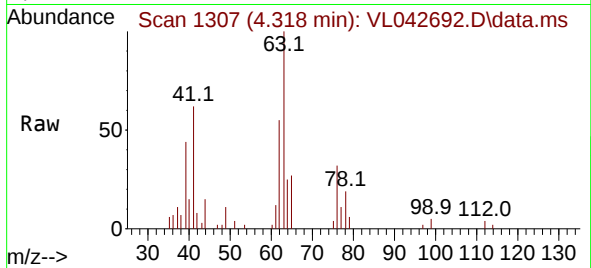
Tgt Ion: 63	Resp: 645
Ion Ratio	Lower Upper
63	100
41	61.5 60.8 91.2
62	55.2 58.6 87.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025

Supervised By :Mahesh Dadoda 07/03/2025



#40

1,4-Dioxane

Concen: 0.496 ppbv m

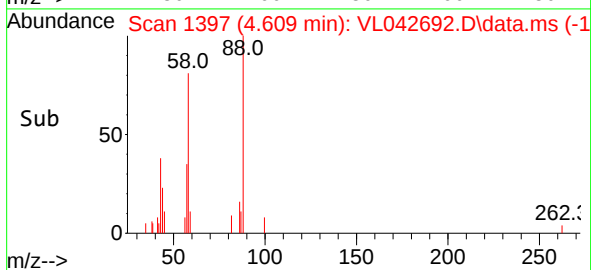
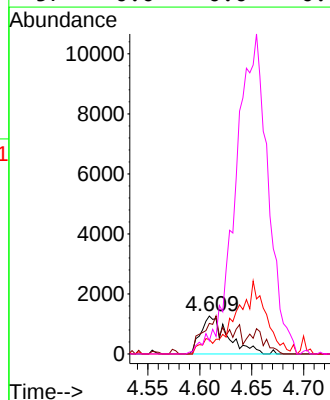
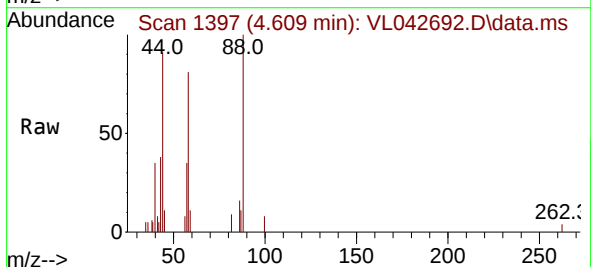
RT: 4.609 min Scan# 1397

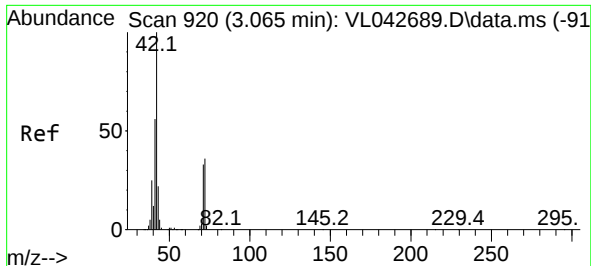
Delta R.T. 0.006 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

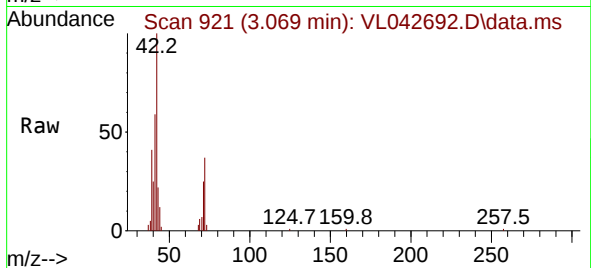
Tgt Ion: 88	Resp: 2287
Ion Ratio	Lower Upper
88	100
58	0.0 62.1 93.1#
43	0.0 26.2 39.2#
57	0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 0.448 ppbv
RT: 3.069 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

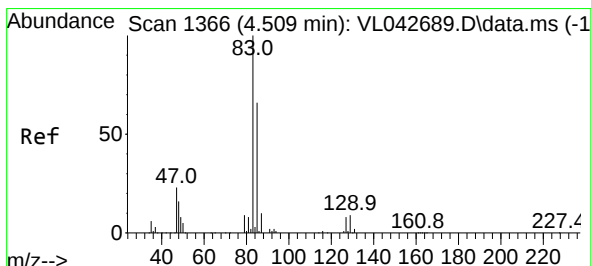
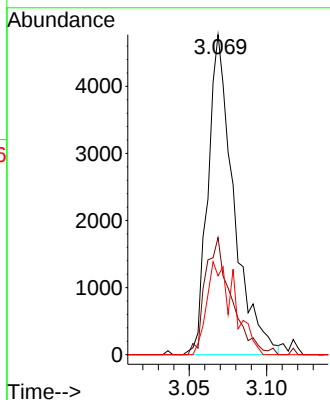
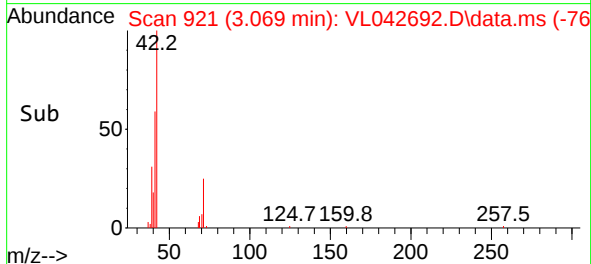
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



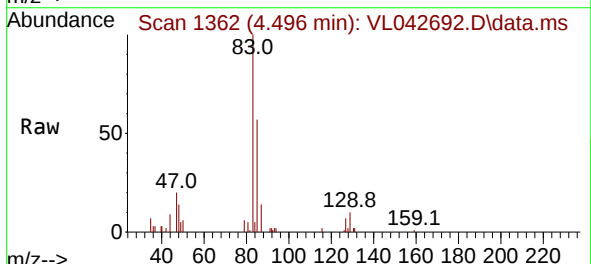
Tgt Ion: 42 Resp: 551
Ion Ratio Lower Upper
42 100
72 37.6 28.2 42.4
71 31.4 25.4 38.0

Manual Integrations
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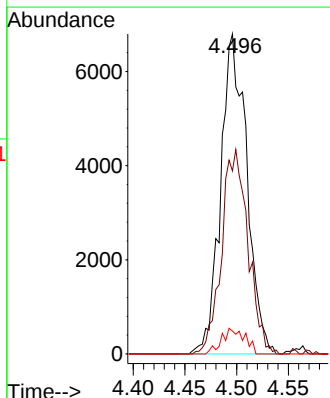
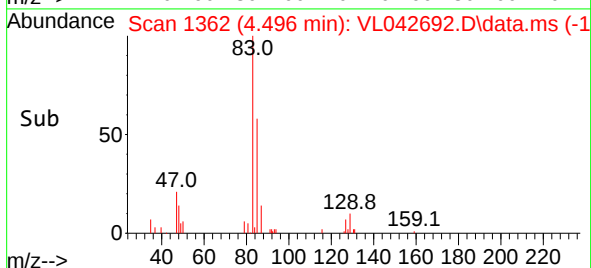
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

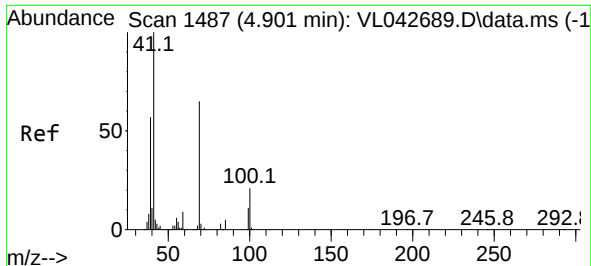


#42
Bromodichloromethane
Concen: 0.515 ppbv m
RT: 4.496 min Scan# 1362
Delta R.T. -0.013 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01



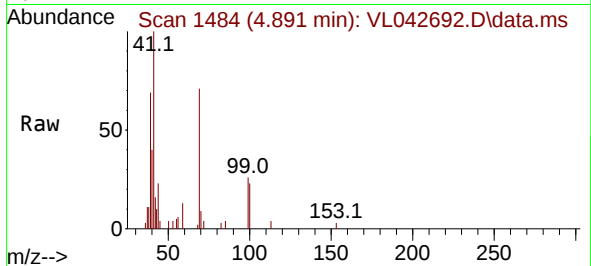
Tgt Ion: 83 Resp: 11914
Ion Ratio Lower Upper
83 100
85 57.2 52.5 78.7
127 7.2 6.1 9.1





#43
Methyl Methacrylate
Concen: 0.362 ppbv m
RT: 4.891 min Scan# 1487
Delta R.T. -0.010 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

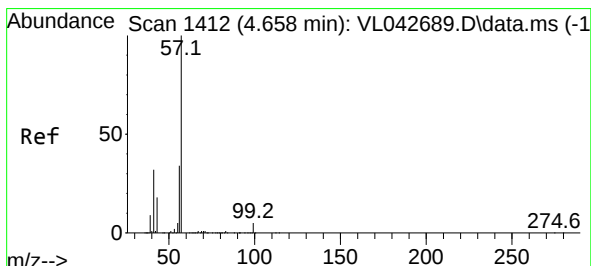
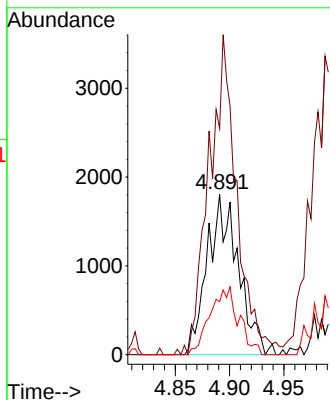
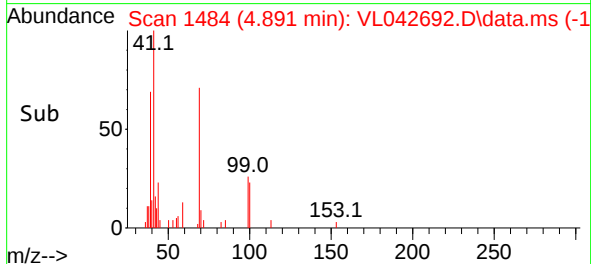
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



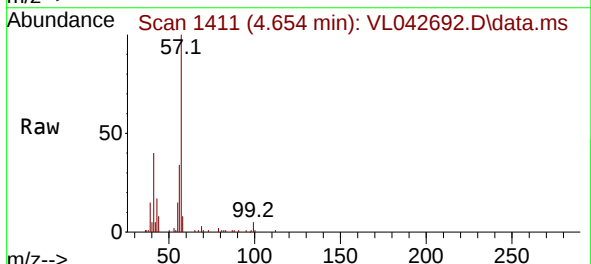
Tgt Ion: 69 Resp: 3578
Ion Ratio Lower Upper
69 100
41 180.3 125.4 188.2
100 0.0 26.4 39.6

Manual Integrations
APPROVED

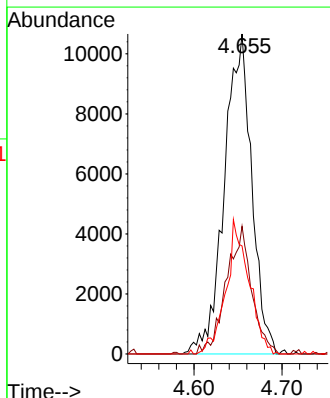
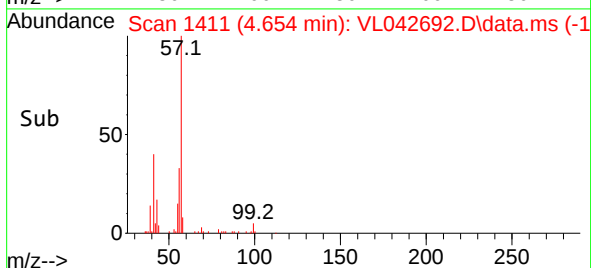
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

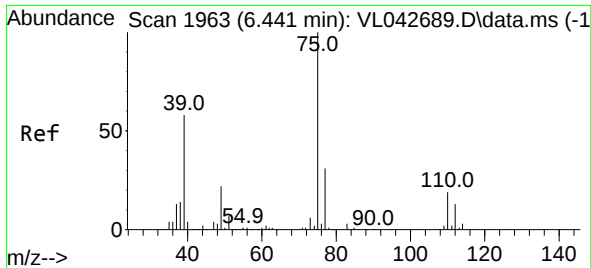


#44
2,2,4-Trimethylpentane
Concen: 0.449 ppbv m
RT: 4.654 min Scan# 1411
Delta R.T. -0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01



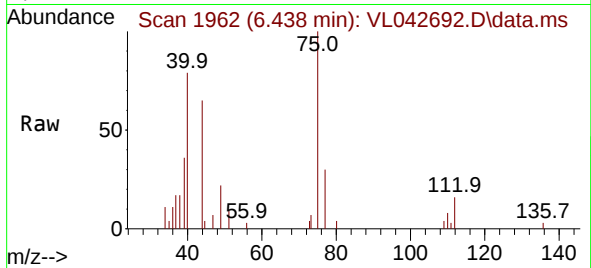
Tgt Ion: 57 Resp: 23040
Ion Ratio Lower Upper
57 100
41 0.0 25.2 37.8#
56 35.5 26.3 39.5





#45
 t-1,3-Dichloropropene
 Concen: 0.406 ppbv m
 RT: 6.438 min Scan# 1963
 Delta R.T. -0.003 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

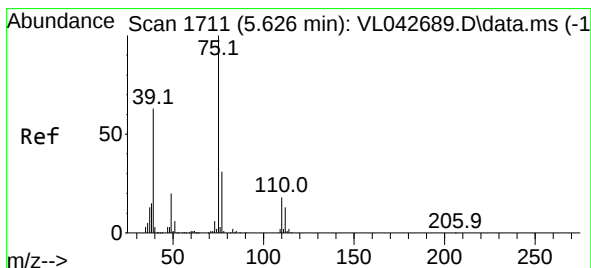
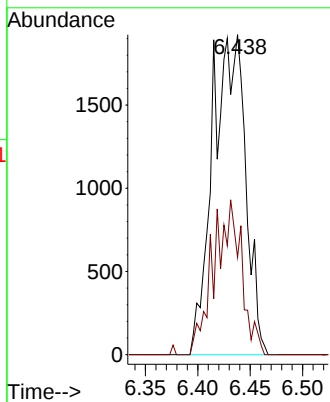
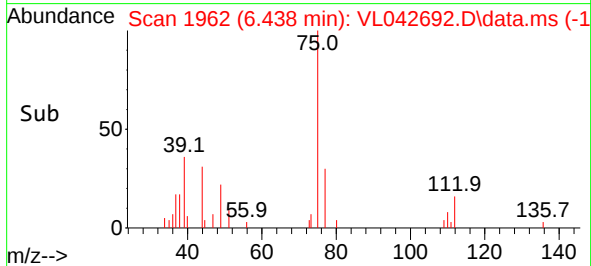
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 75 Resp: 421
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.0 37.4

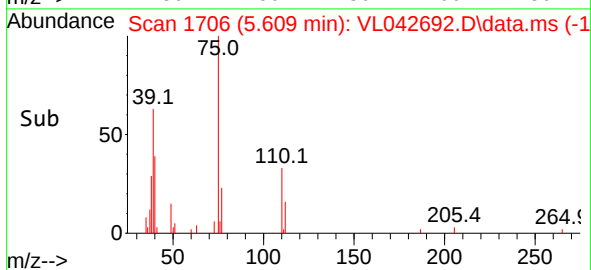
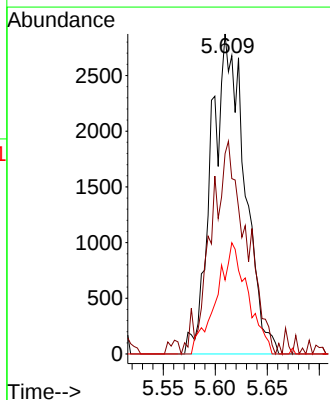
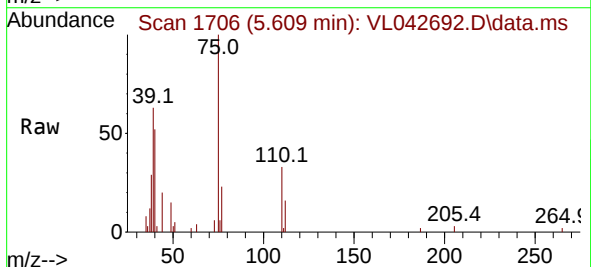
Manual Integrations
 APPROVED

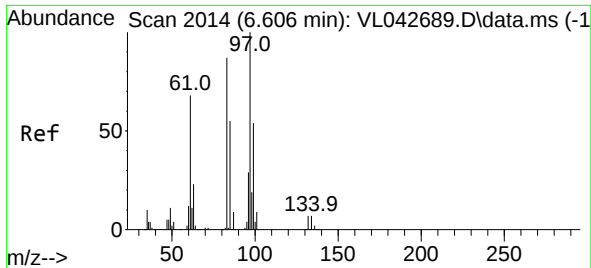
Reviewed By :Semsettin Yesilyurt 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025



#46
 cis-1,3-Dichloropropene
 Concen: 0.447 ppbv m
 RT: 5.609 min Scan# 1706
 Delta R.T. -0.016 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

Tgt Ion: 75 Resp: 6399
 Ion Ratio Lower Upper
 75 100
 39 62.6 50.6 75.8
 77 23.1 24.8 37.2#





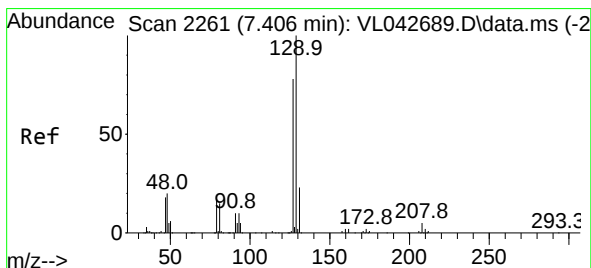
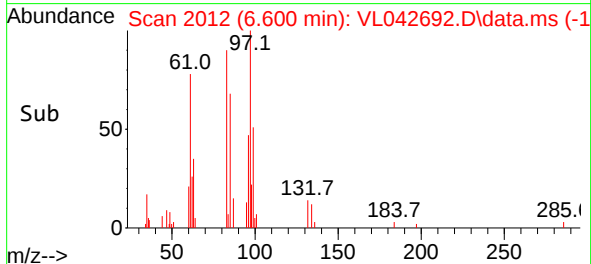
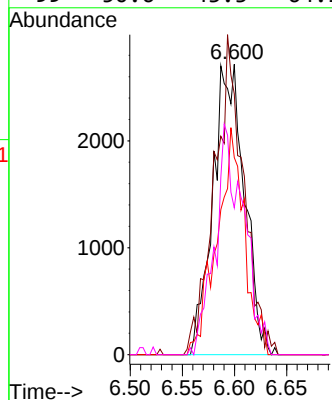
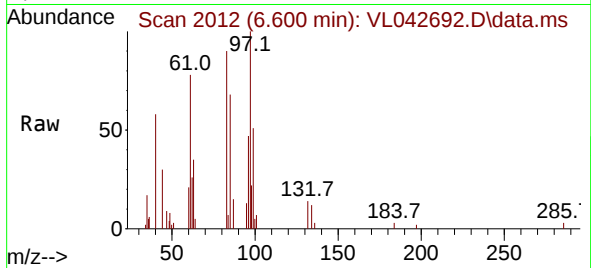
#47
1,1,2-Trichloroethane
Concen: 0.485 ppbv m
RT: 6.600 min Scan# 2014
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 97 Resp: 5730
Ion Ratio Lower Upper
97 100
83 89.8 69.3 103.9
85 67.9 43.7 65.5
99 50.6 43.3 64.9

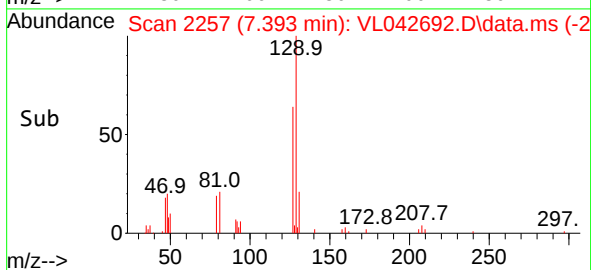
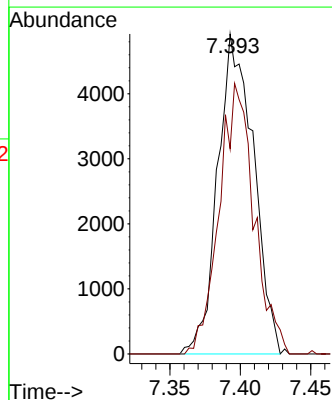
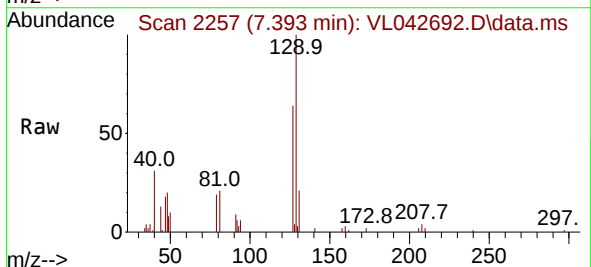
Manual Integrations
APPROVED

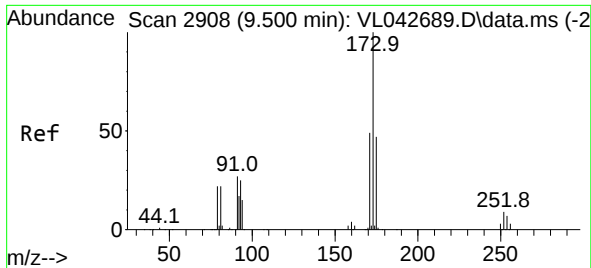
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#48
Dibromochloromethane
Concen: 0.480 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. -0.013 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion:129 Resp: 8686
Ion Ratio Lower Upper
129 100
127 82.5 38.3 114.8





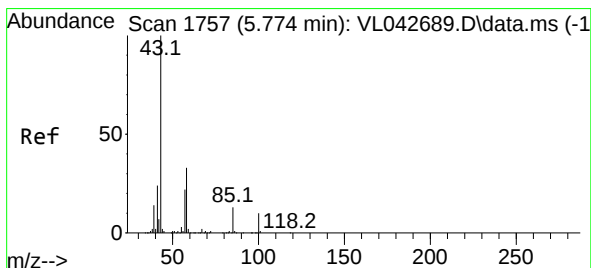
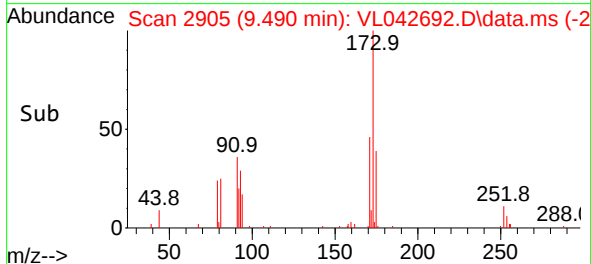
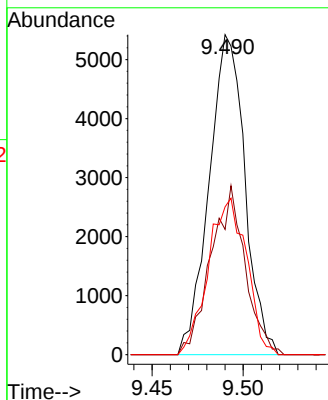
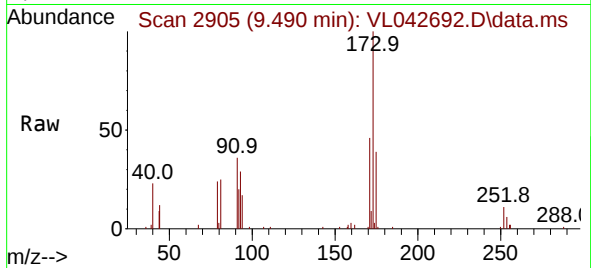
#49
Bromoform
Concen: 0.473 ppbv
RT: 9.490 min Scan# 2908
Delta R.T. -0.010 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:173 Resp: 7390
Ion Ratio Lower Upper
173 100
175 50.6 38.6 57.8
171 52.4 40.3 60.5

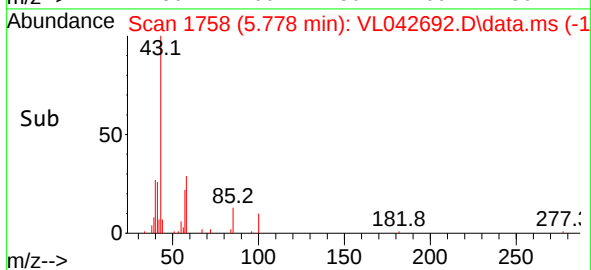
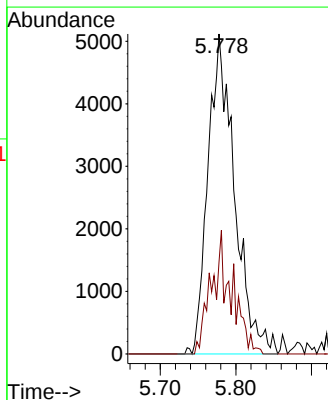
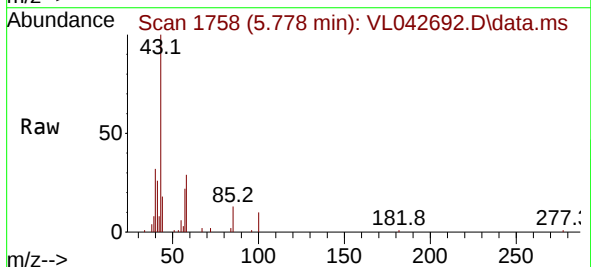
Manual Integrations
APPROVED

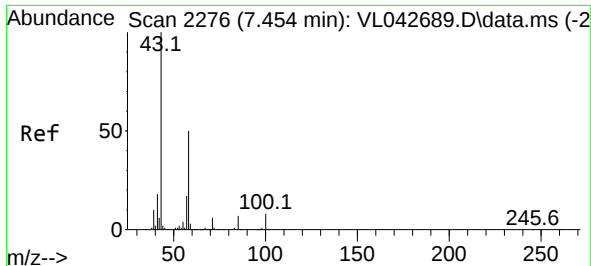
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#50
4-Methyl-2-Pentanone
Concen: 0.442 ppbv m
RT: 5.778 min Scan# 1758
Delta R.T. 0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

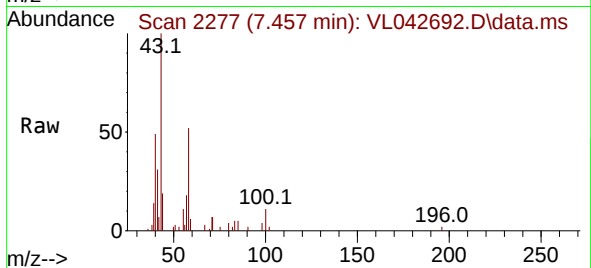
Tgt Ion: 43 Resp: 12481
Ion Ratio Lower Upper
43 100
58 29.5 27.5 41.3





#51
2-Hexanone
Concen: 0.364 ppbv m
RT: 7.457 min Scan# 2117
Delta R.T. 0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

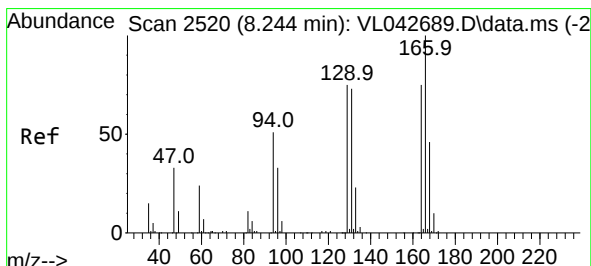
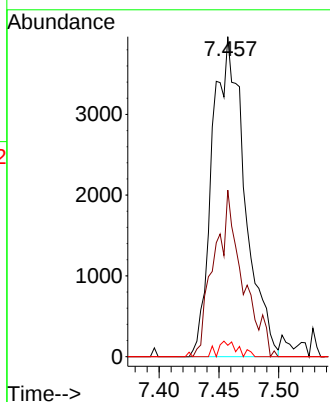
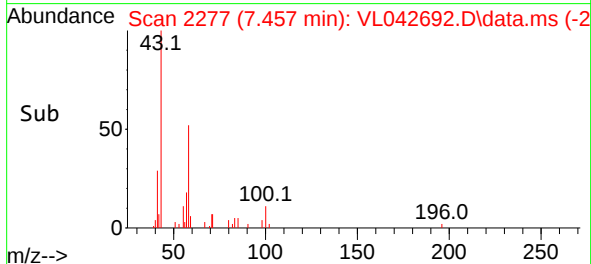
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 43 Resp: 750
Ion Ratio Lower Upper
43 100
58 0.0 38.6 57.8
98 0.0 0.6 1.0

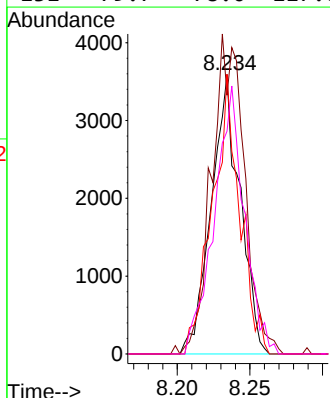
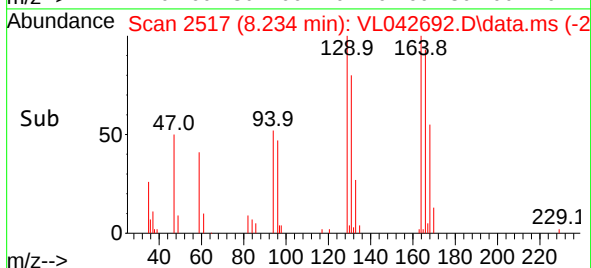
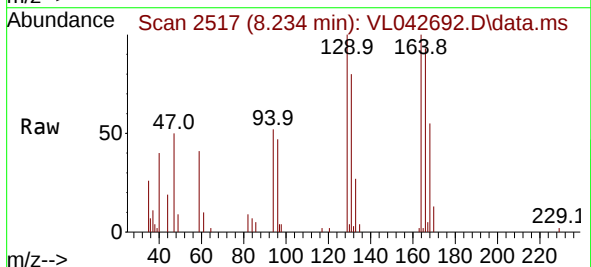
Manual Integrations
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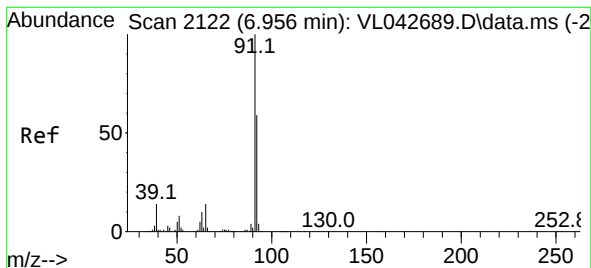
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#52
Tetrachloroethene
Concen: 0.479 ppbv m
RT: 8.234 min Scan# 2517
Delta R.T. -0.010 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion:164 Resp: 4943
Ion Ratio Lower Upper
164 100
166 92.6 106.6 160.0#
129 100.1 79.8 119.6
131 79.7 78.0 117.0





#53

Toluene

Concen: 0.399 ppbv

RT: 6.940 min Scan# 2117

Delta R.T. -0.016 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 91 Resp: 1146

Ion Ratio Lower Upper

91 100

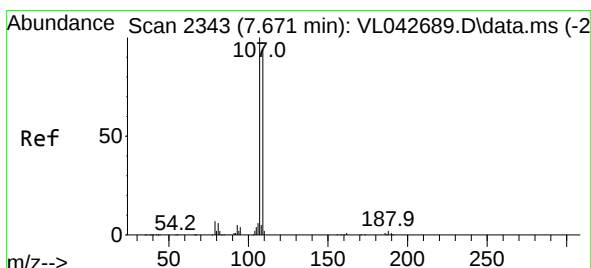
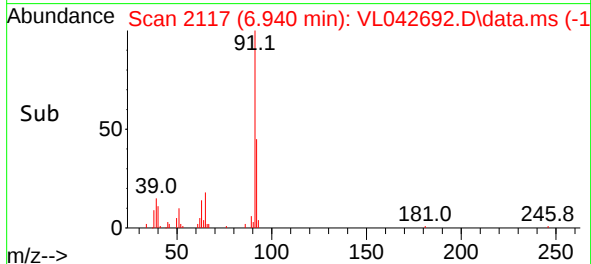
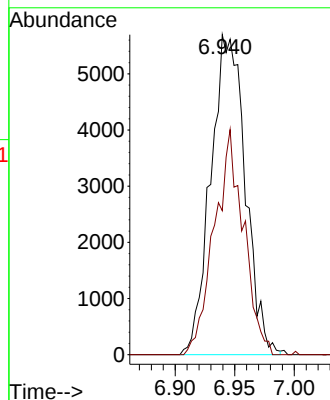
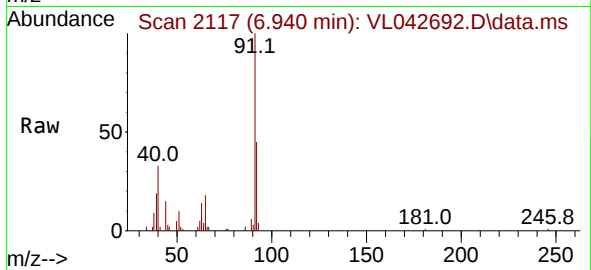
92 59.7 47.4 71.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/03/2025

Supervised By :Mahesh Dadoda 07/03/2025



#54

1,2-Dibromoethane

Concen: 0.491 ppbv

RT: 7.661 min Scan# 2340

Delta R.T. -0.010 min

Lab File: VL042692.D

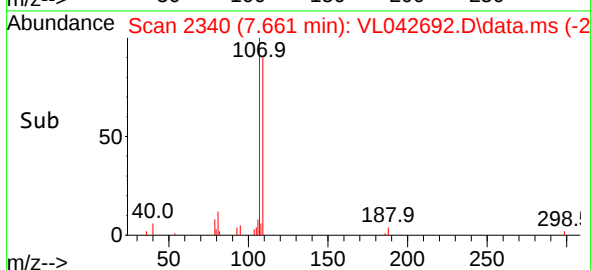
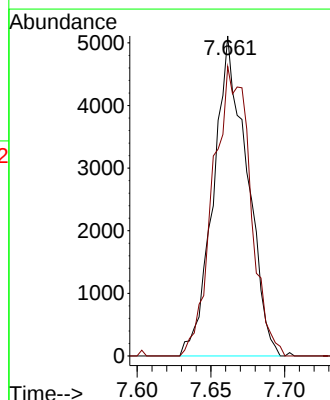
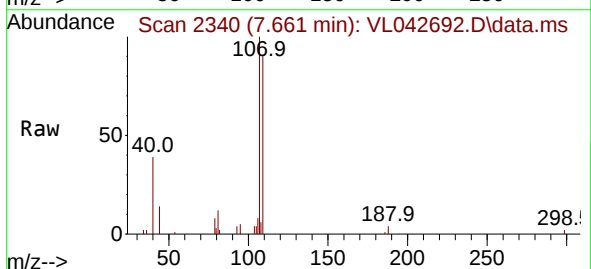
Acq: 02 Jul 2025 10:01

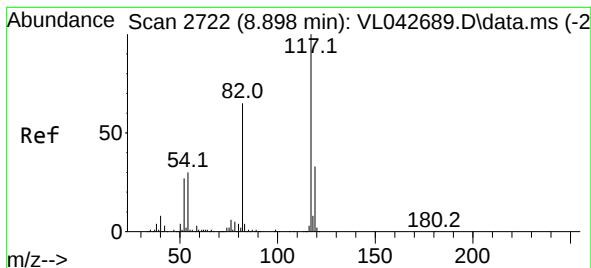
Tgt Ion:107 Resp: 8096

Ion Ratio Lower Upper

107 100

109 90.5 74.8 112.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 21

Delta R.T. -0.007 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

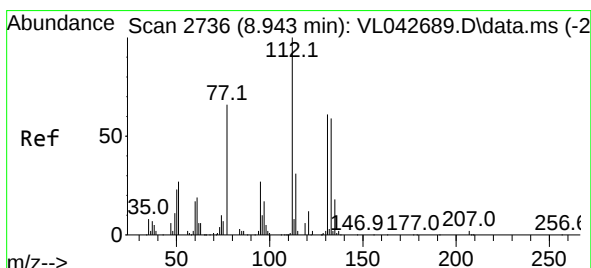
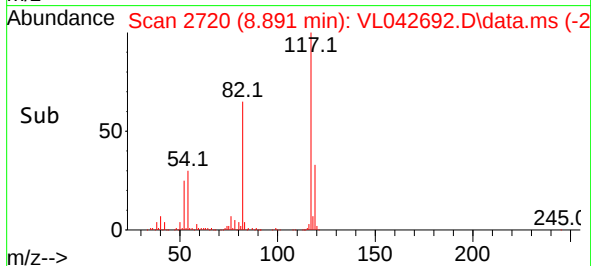
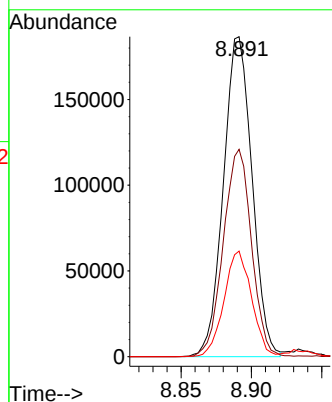
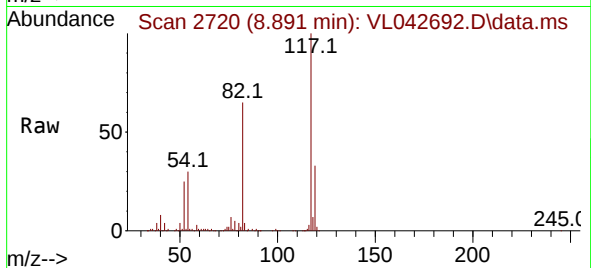
Tgt Ion:	117	Resp:	26449
Ion	Ratio	Lower	Upper
117	100		
82	64.1	53.4	80.2
119	31.9	26.6	39.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025

Supervised By :Mahesh Dadoda 07/03/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 0.536 ppbv

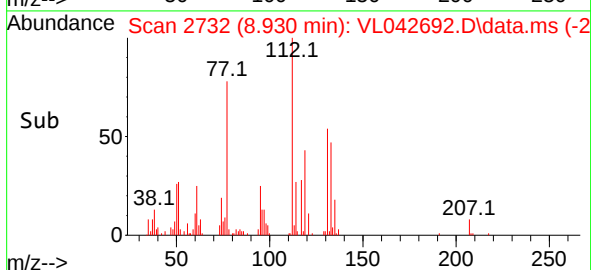
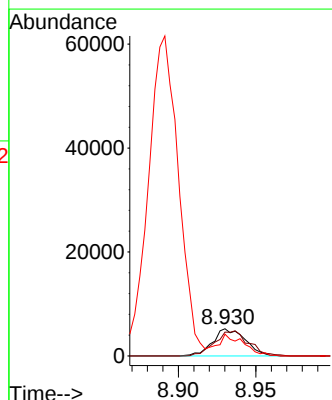
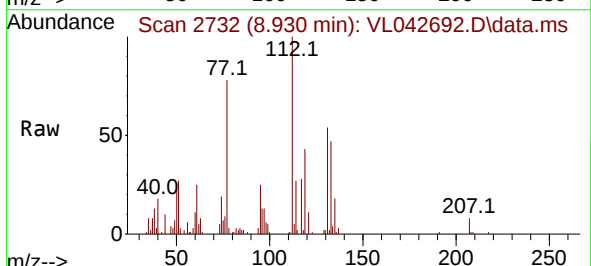
RT: 8.930 min Scan# 2732

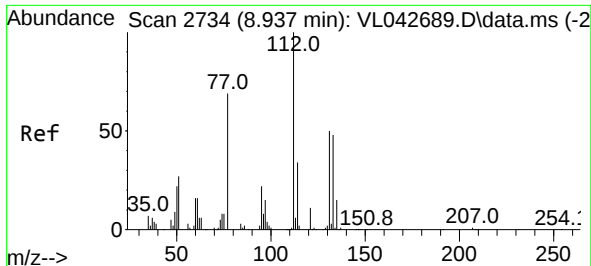
Delta R.T. -0.013 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Tgt Ion:	131	Resp:	7670
Ion	Ratio	Lower	Upper
131	100		
133	95.2	77.3	115.9
119	1159.5	52.6	78.8#





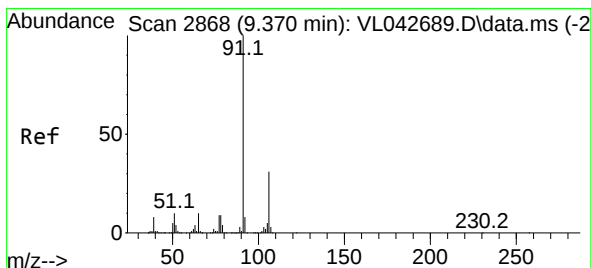
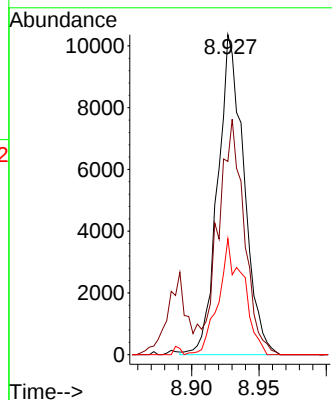
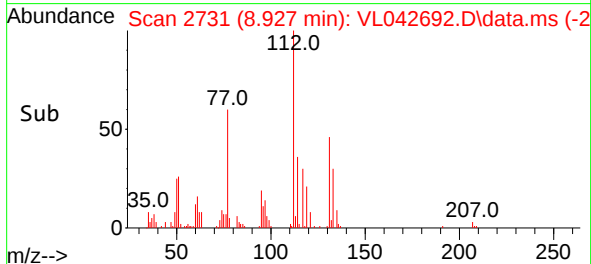
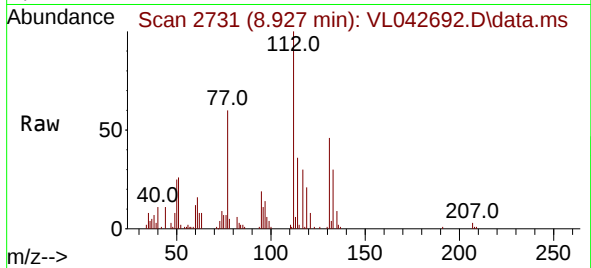
#57
Chlorobenzene
Concen: 0.527 ppbv
RT: 8.927 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:112 Resp: 1398
Ion Ratio Lower Upper
112 100
77 60.4 56.2 84.4
114 36.3 30.2 37.0

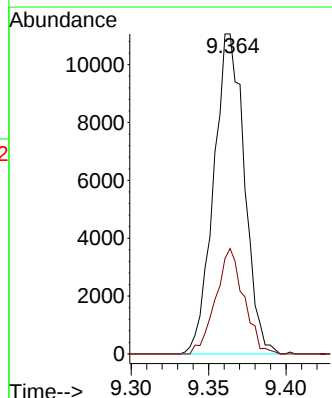
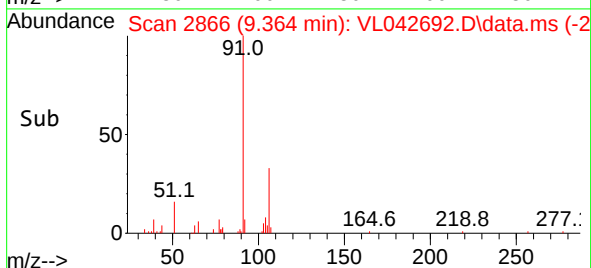
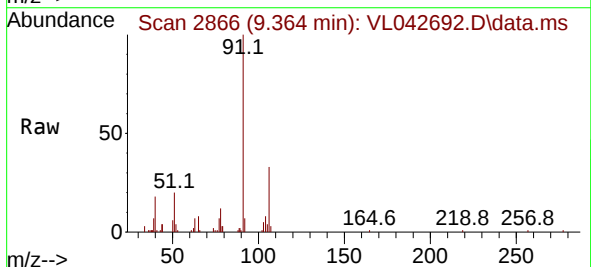
Manual Integrations
APPROVED

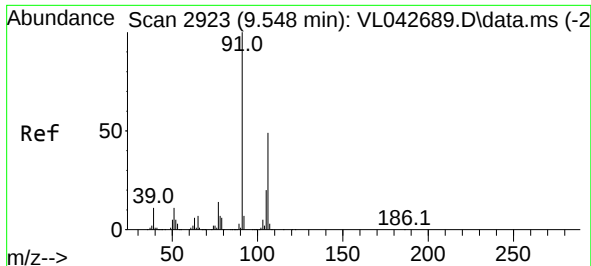
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#58
Ethyl Benzene
Concen: 0.399 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion: 91 Resp: 15248
Ion Ratio Lower Upper
91 100
106 32.9 24.9 37.3





#59

m/p-Xylene

Concen: 0.774 ppbv m

RT: 9.558 min Scan# 2923

Delta R.T. 0.010 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 91 Resp: 2479

Ion Ratio Lower Upper

91 100

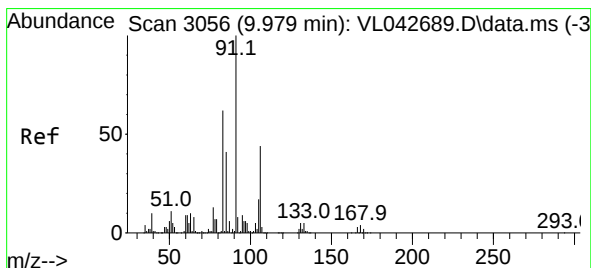
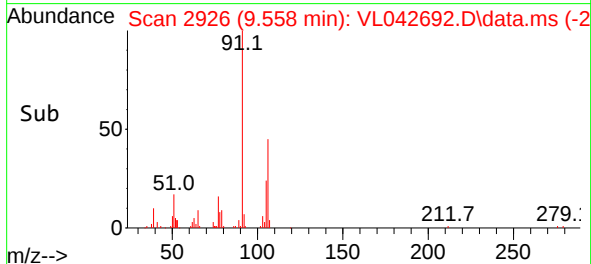
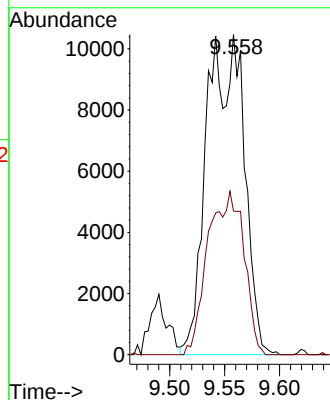
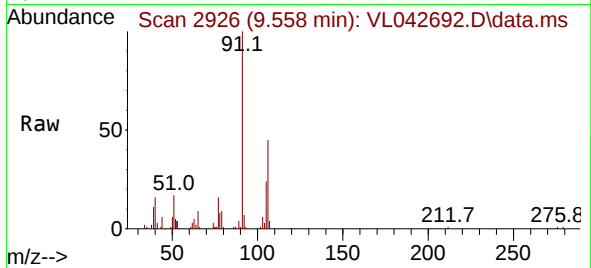
106 0.0 37.6 56.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025

Supervised By :Mahesh Dadoda 07/03/2025



#60

o-Xylene

Concen: 0.373 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. -0.010 min

Lab File: VL042692.D

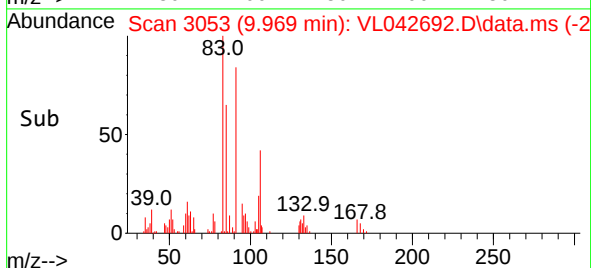
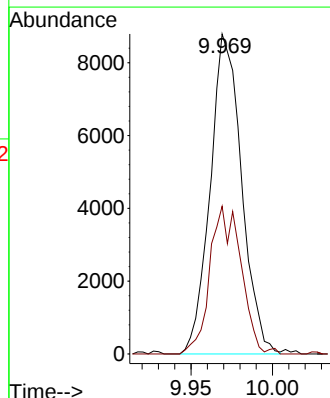
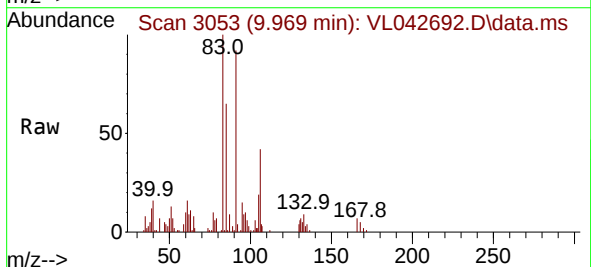
Acq: 02 Jul 2025 10:01

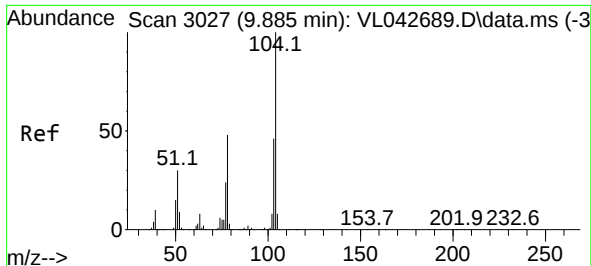
Tgt Ion: 91 Resp: 11759

Ion Ratio Lower Upper

91 100

106 45.9 22.8 68.4





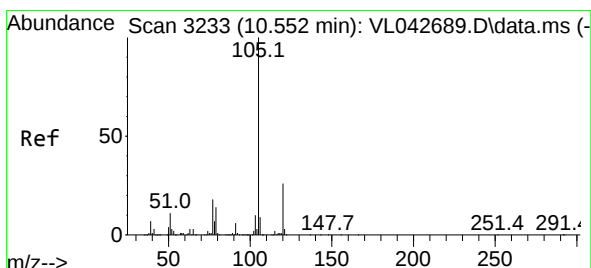
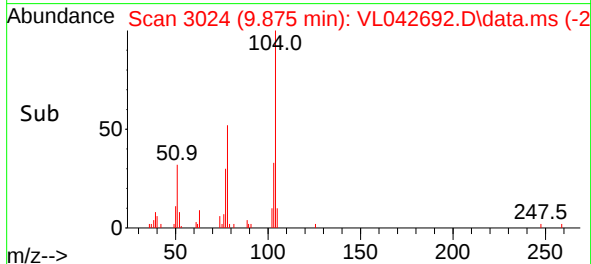
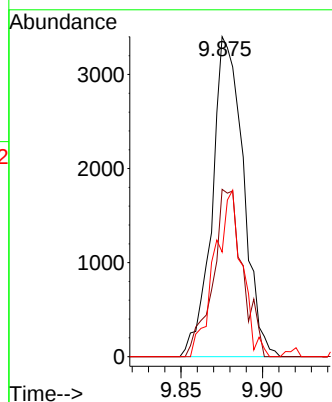
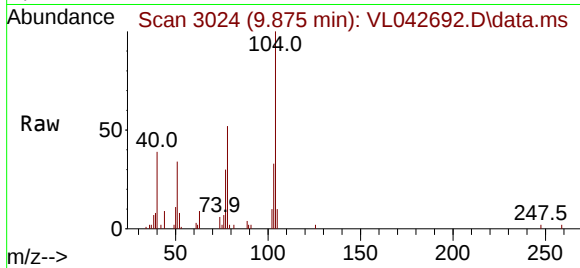
#61
Styrene
Concen: 0.364 ppbv
RT: 9.875 min Scan# 3027
Delta R.T. -0.010 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:104 Resp: 4504
Ion Ratio Lower Upper
104 100
78 49.9 39.0 58.6
103 47.0 37.4 56.0

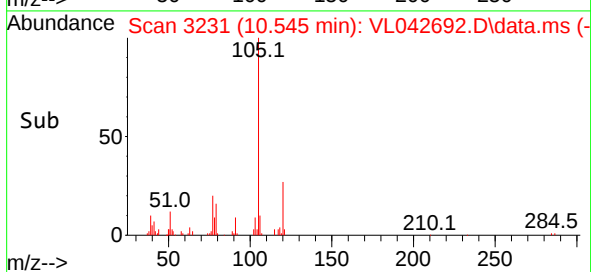
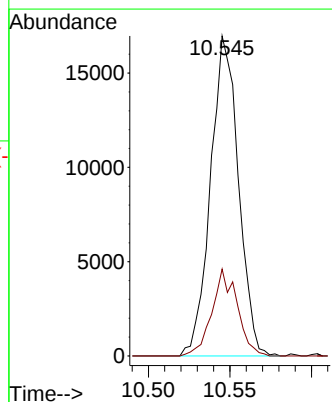
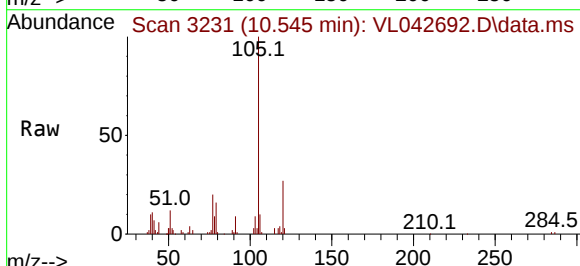
Manual Integrations
APPROVED

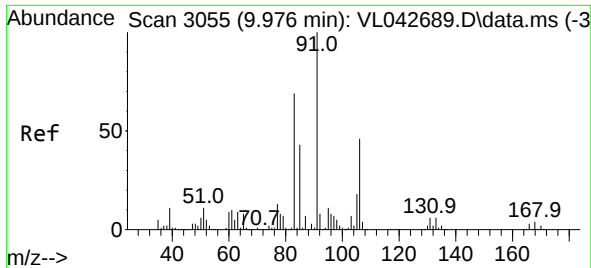
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#62
Isopropylbenzene
Concen: 0.425 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion:105 Resp: 20205
Ion Ratio Lower Upper
105 100
120 24.7 20.6 31.0





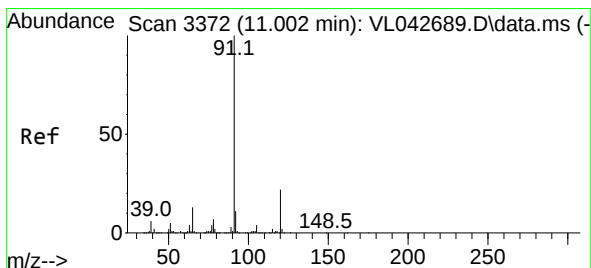
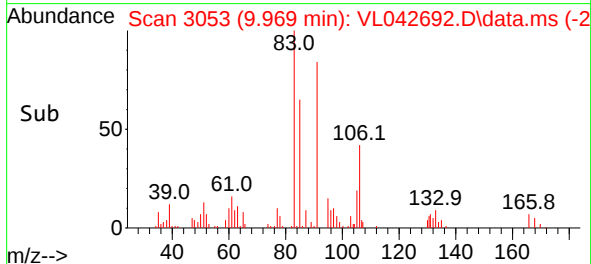
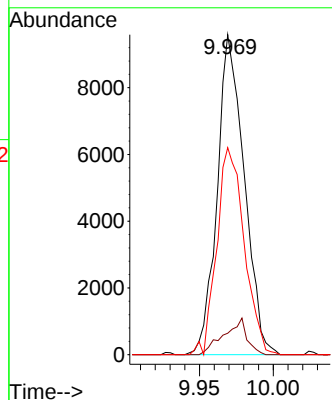
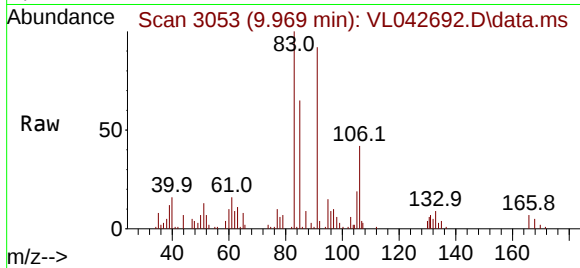
#63
1,1,2,2-Tetrachloroethane
Concen: 0.504 ppbv
RT: 9.969 min Scan# 3055
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 83 Resp: 12230
Ion Ratio Lower Upper
83 100
131 9.6 4.5 13.4
85 65.6 31.5 94.5

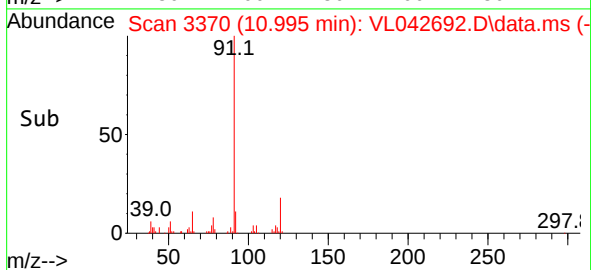
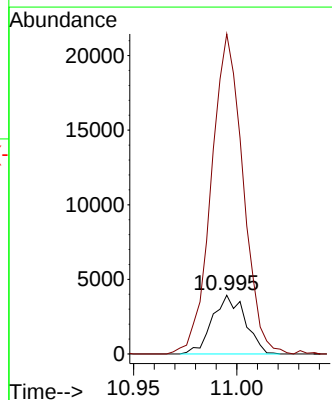
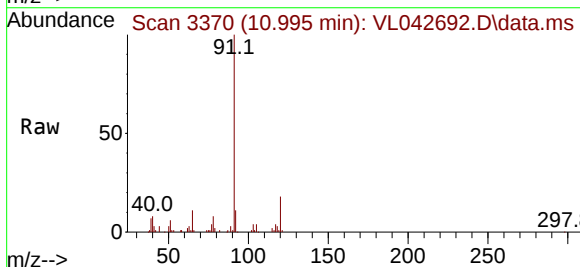
Manual Integrations
APPROVED

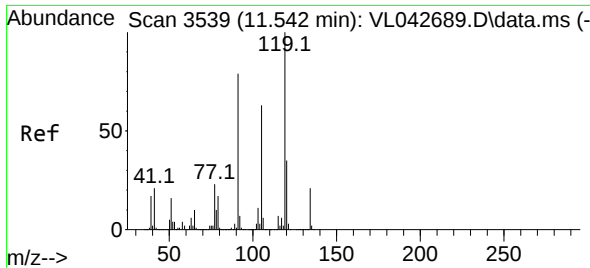
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#64
n-propylbenzene
Concen: 0.358 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion:120 Resp: 4354
Ion Ratio Lower Upper
120 100
91 528.4 377.8 566.8





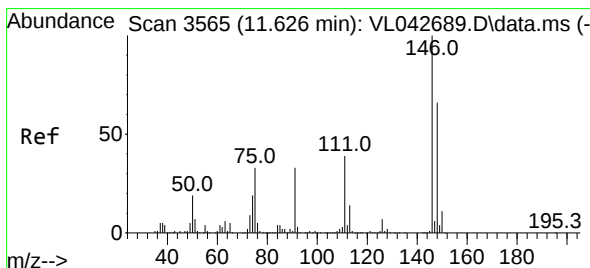
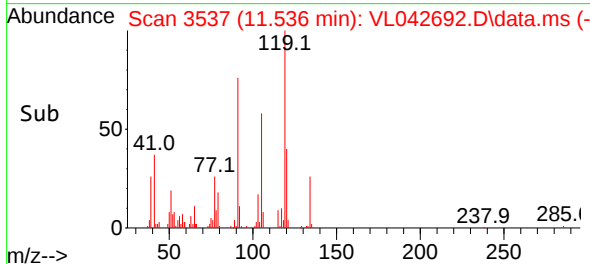
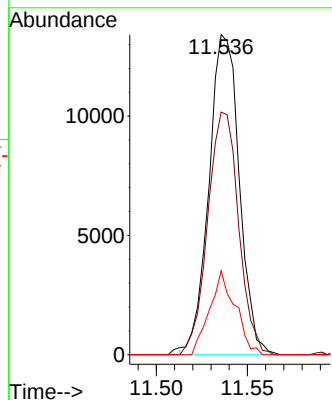
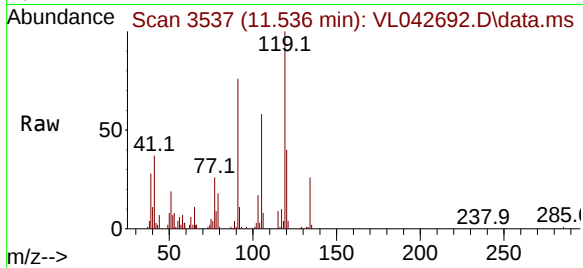
#65
tert-Butylbenzene
Concen: 0.382 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:119 Resp: 1556
Ion Ratio Lower Upper
119 100
91 77.0 62.6 93.8
134 22.2 16.9 25.3

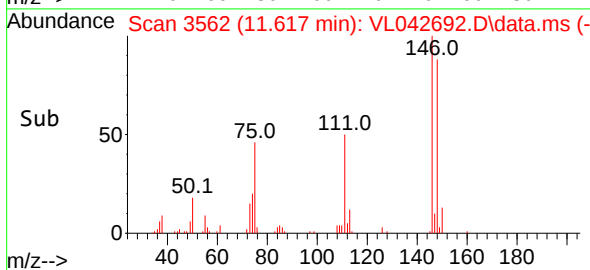
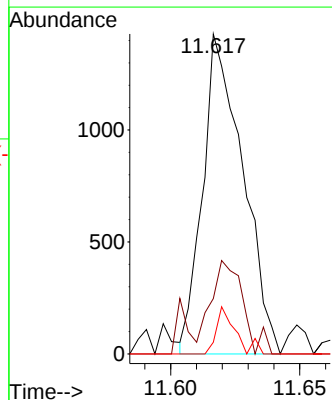
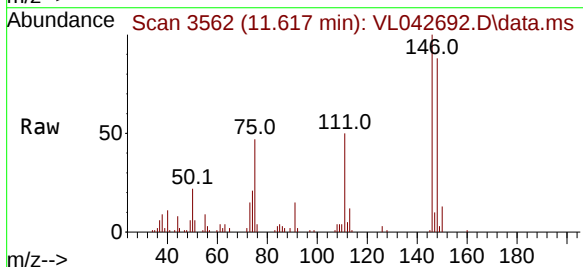
Manual Integrations
APPROVED

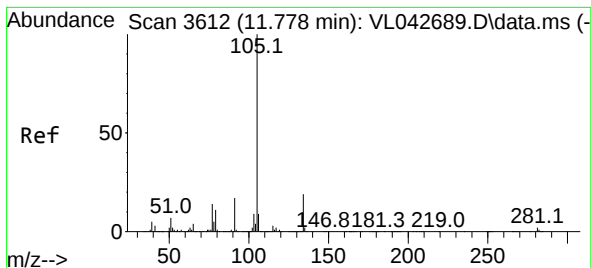
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#66
Benzyl Chloride
Concen: 0.391 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.010 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

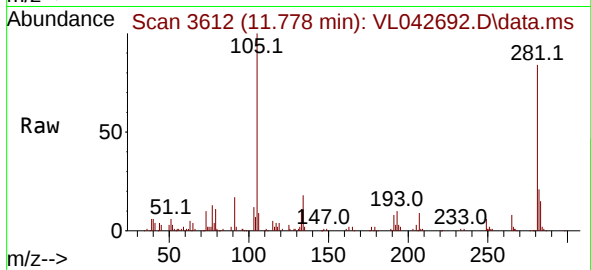
Tgt Ion: 91 Resp: 1543
Ion Ratio Lower Upper
91 100
126 28.3 14.8 22.2#
128 7.0 4.7 7.1





#67
 sec-Butylbenzene
 Concen: 0.423 ppbv
 RT: 11.778 min Scan# 3612
 Delta R.T. -0.000 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

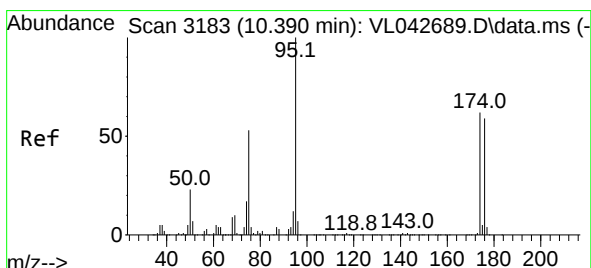
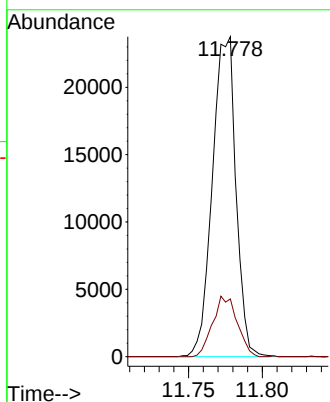
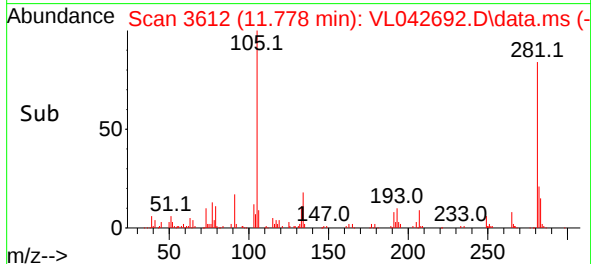
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



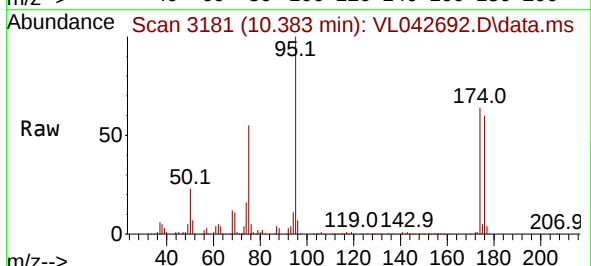
Tgt Ion: 105 Resp: 2639
 Ion Ratio Lower Upper
 105 100
 134 19.7 15.0 22.6

Manual Integrations
 APPROVED

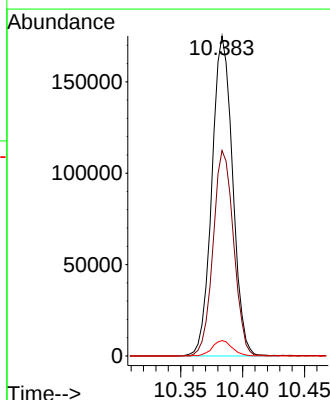
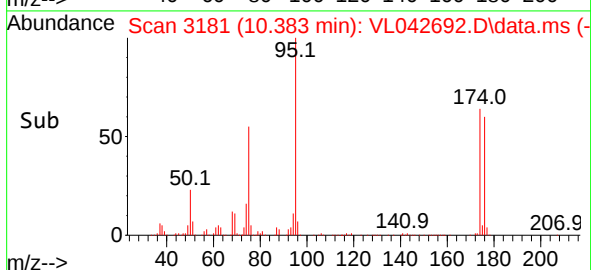
Reviewed By :Semsettin Yesilyurt 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025

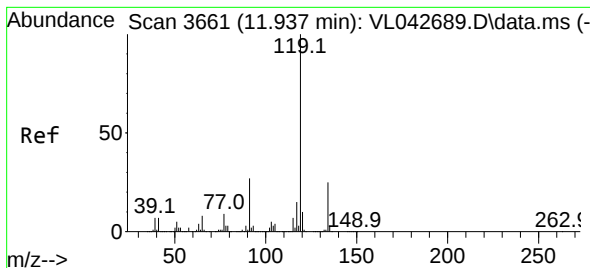


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.032 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. -0.007 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01



Tgt Ion: 95 Resp: 204100
 Ion Ratio Lower Upper
 95 100
 174 63.8 51.2 76.8
 175 4.7 3.8 5.8





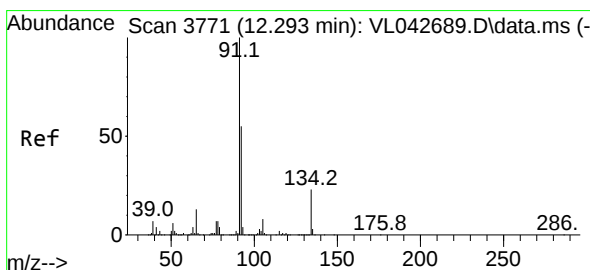
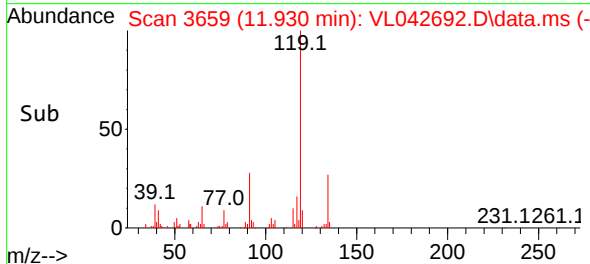
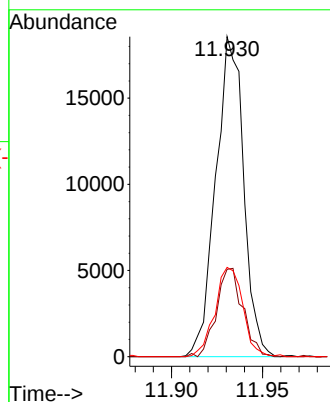
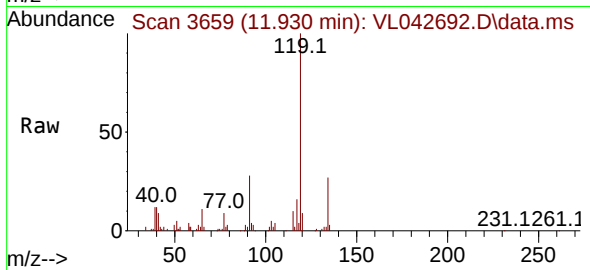
#69
p-Isopropyltoluene
Concen: 0.398 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 119 Resp: 19758
Ion Ratio Lower Upper
119 100
134 26.2 20.6 31.0
91 28.0 21.4 32.2

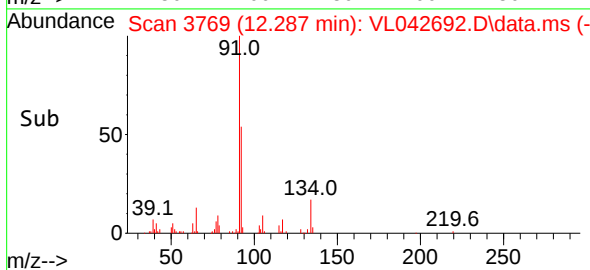
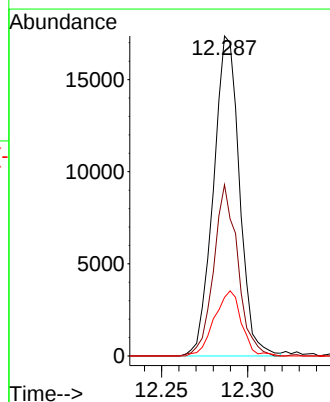
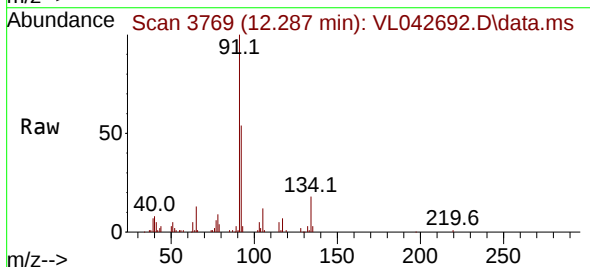
Manual Integrations
APPROVED

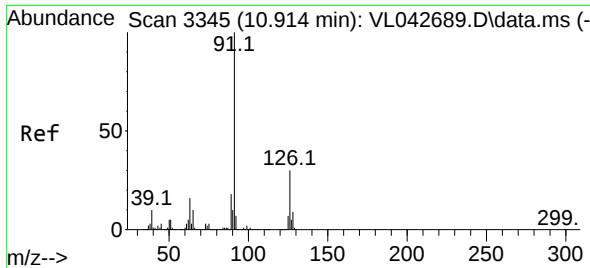
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#70
n-Butylbenzene
Concen: 0.366 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion: 91 Resp: 18308
Ion Ratio Lower Upper
91 100
92 49.5 44.2 66.2
134 21.2 18.6 27.8





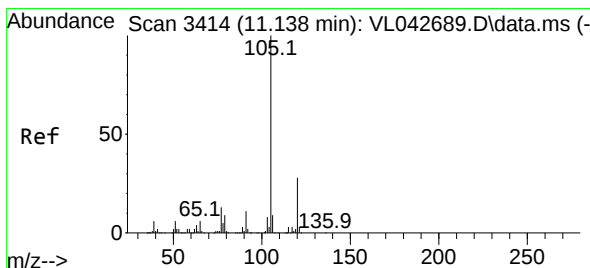
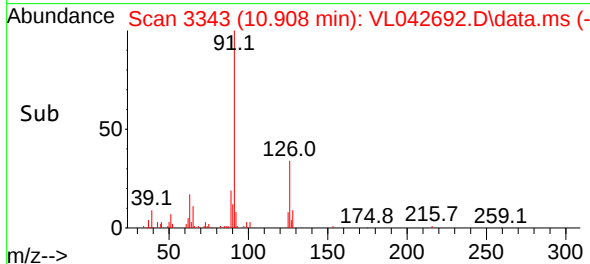
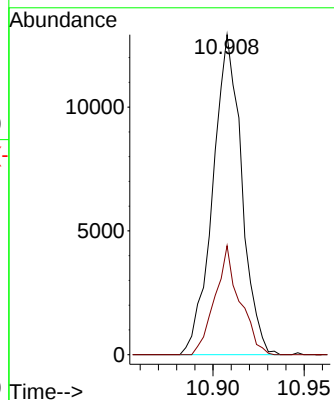
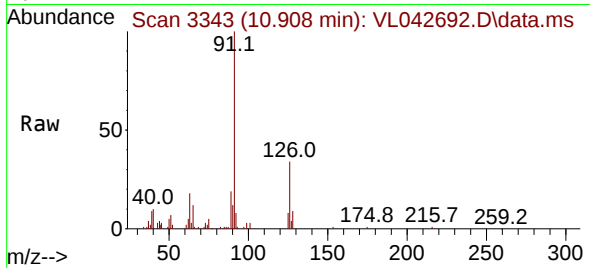
#71
2-Chlorotoluene
Concen: 0.404 ppbv
RT: 10.908 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 14220
Ion Ratio Lower Upper
91 100
126 29.2 11.8 47.4

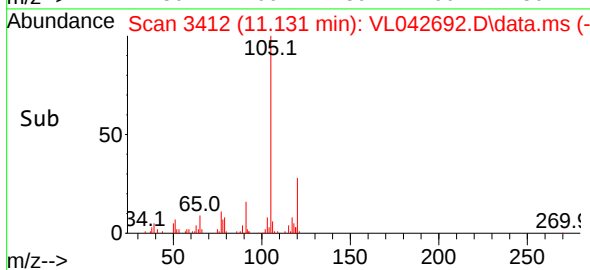
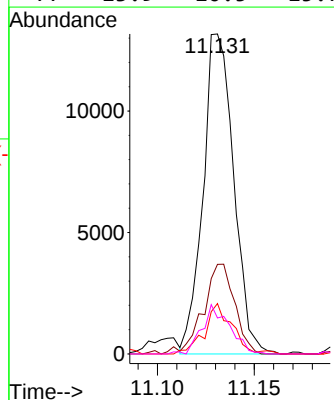
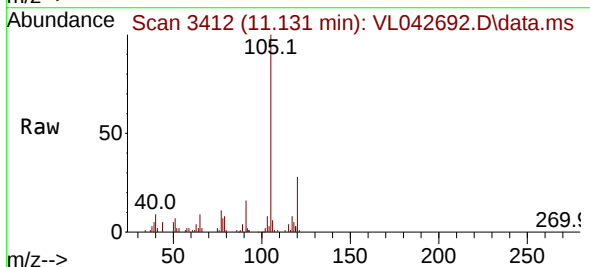
Manual Integrations
APPROVED

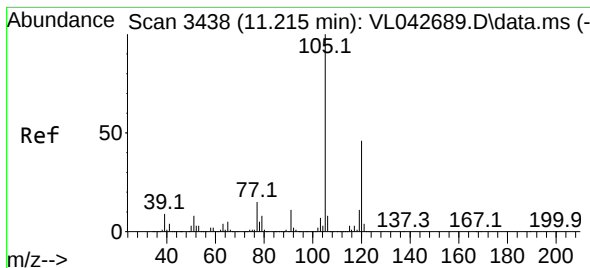
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#72
4-Ethyltoluene
Concen: 0.378 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion:105 Resp: 14541
Ion Ratio Lower Upper
105 100
120 29.0 23.8 35.6
91 14.3 9.7 14.5
77 13.9 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 0.382 ppbv

RT: 11.212 min Scan# 3438

Delta R.T. -0.003 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 1237

Ion Ratio Lower Upper

105 100

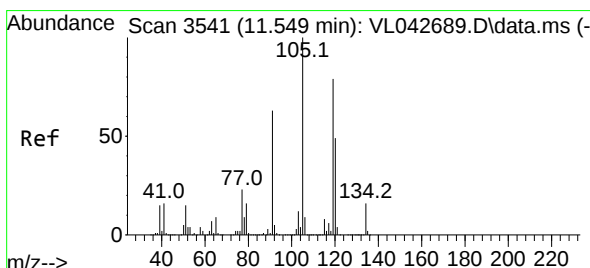
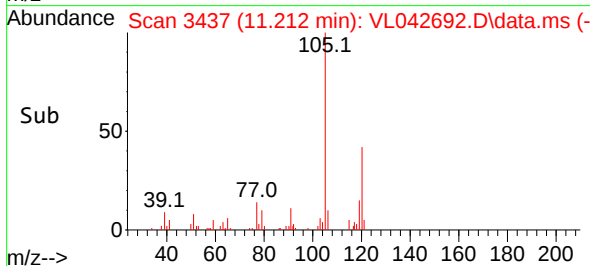
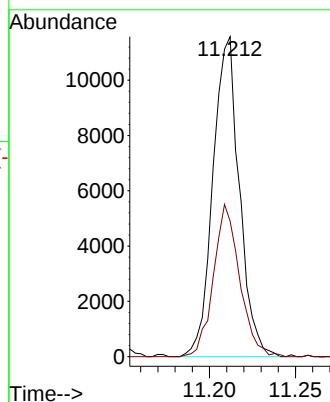
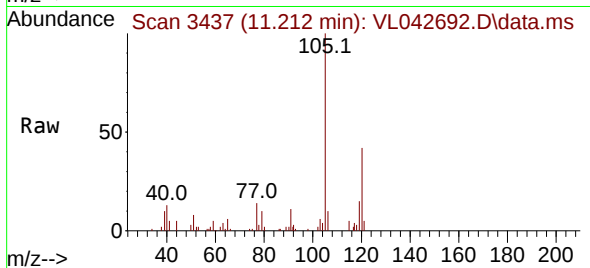
120 42.4 37.0 55.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025

Supervised By :Mahesh Dadoda 07/03/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.381 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. -0.003 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Tgt Ion:105 Resp: 14096

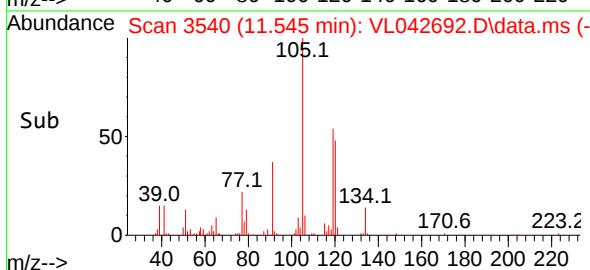
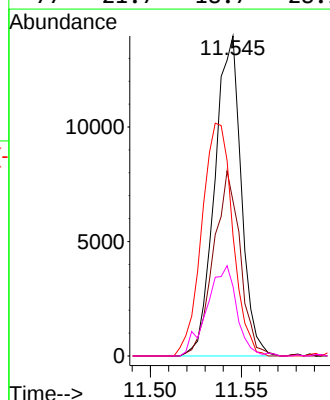
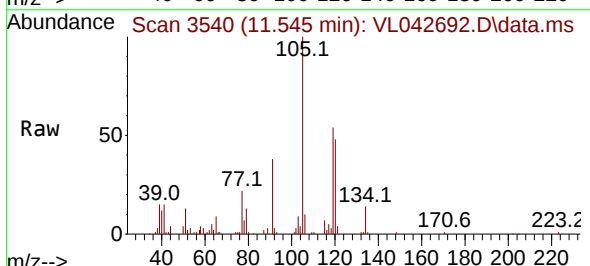
Ion Ratio Lower Upper

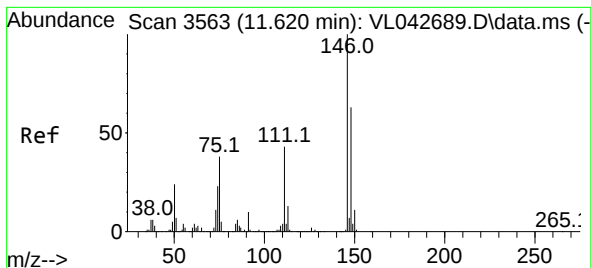
105 100

120 48.4 39.6 59.4

91 37.7 51.0 76.6#

77 21.7 18.7 28.1





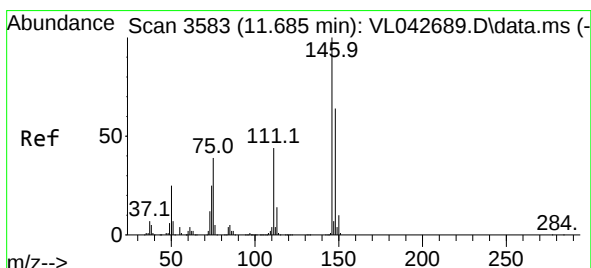
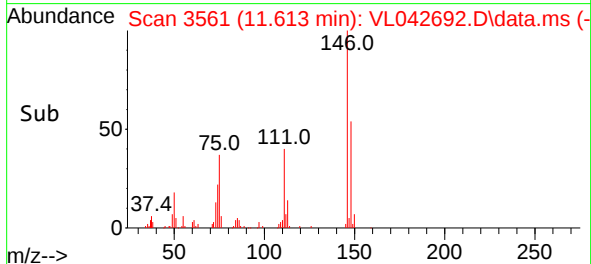
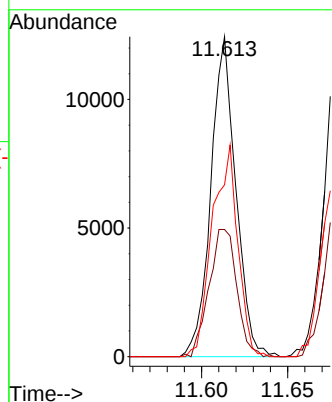
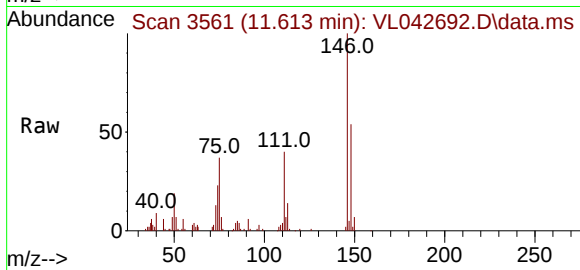
#75
1,3-Dichlorobenzene
Concen: 0.484 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:146 Resp: 1255
Ion Ratio Lower Upper
146 100
111 44.3 21.6 65.0
148 67.5 31.6 94.7

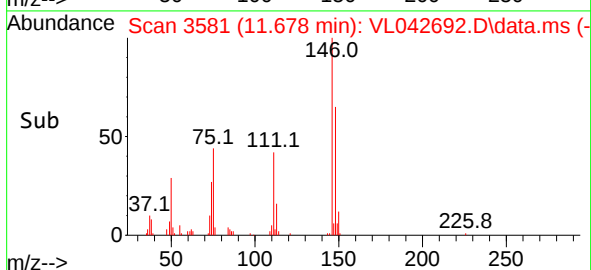
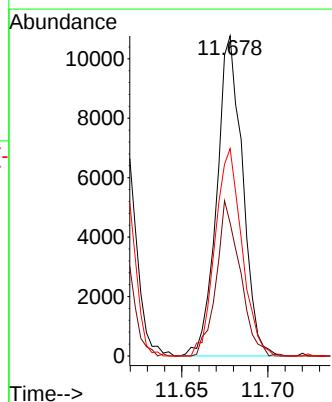
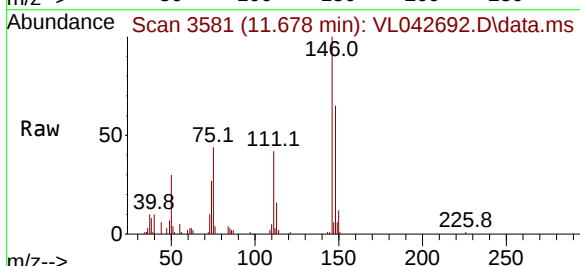
Manual Integrations
APPROVED

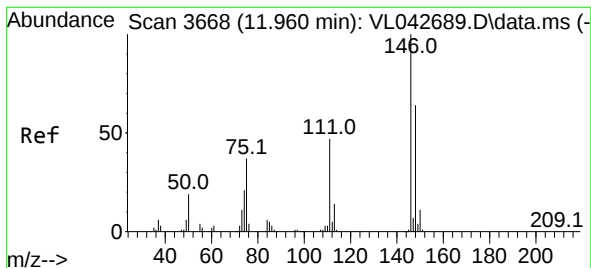
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#76
1,4-Dichlorobenzene
Concen: 0.454 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion:146 Resp: 11188
Ion Ratio Lower Upper
146 100
111 44.8 21.4 64.3
148 67.5 31.8 95.4





#77

1,2-Dichlorobenzene

Concen: 0.515 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. -0.007 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

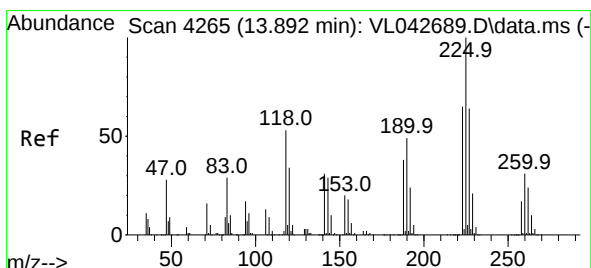
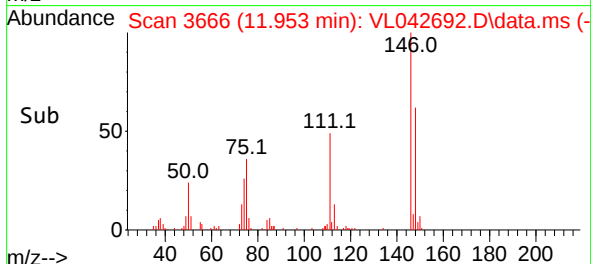
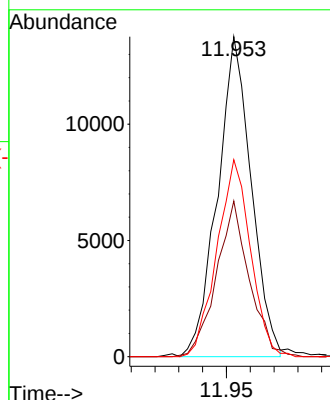
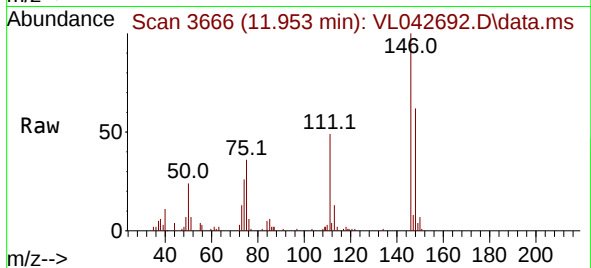
VSTDIC0.5

Tgt Ion:	146	Resp:	1351
Ion Ratio	Lower	Upper	
146	100		
111	47.4	22.9	68.8
148	61.4	31.9	95.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#78

Hexachloro-1,3-Butadiene

Concen: 0.540 ppbv

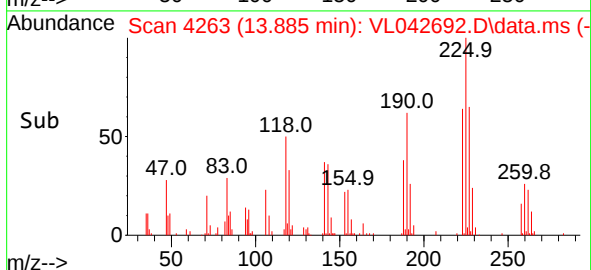
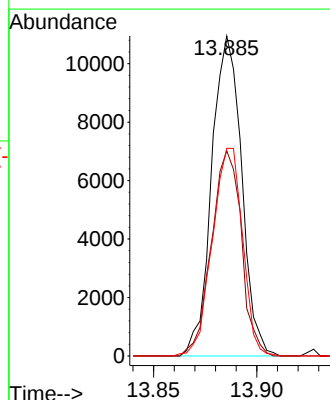
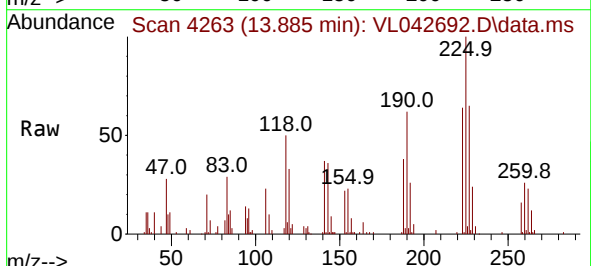
RT: 13.885 min Scan# 4263

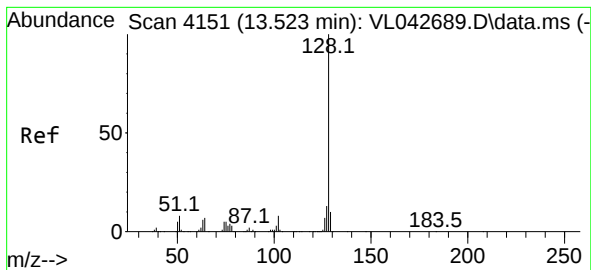
Delta R.T. -0.007 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Tgt Ion:	225	Resp:	11034
Ion Ratio	Lower	Upper	
225	100		
223	64.2	50.5	75.7
227	65.6	50.0	75.0





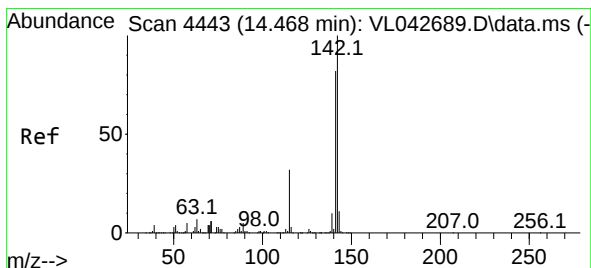
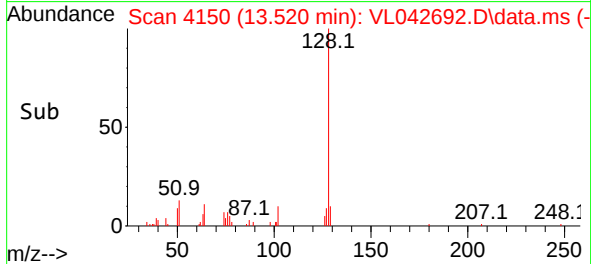
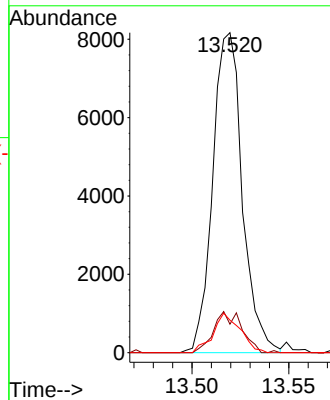
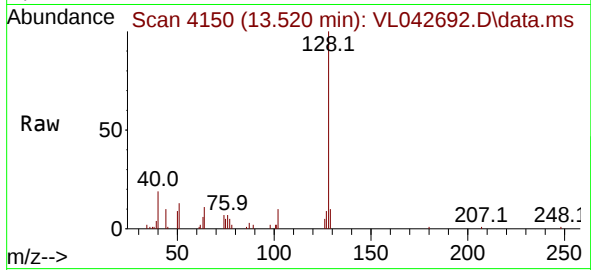
#79
Naphthalene
Concen: 0.283 ppbv
RT: 13.520 min Scan# 4151
Delta R.T. -0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:128 Resp: 866
Ion Ratio Lower Upper
128 100
127 8.9 10.2 15.4
129 10.1 8.2 12.2

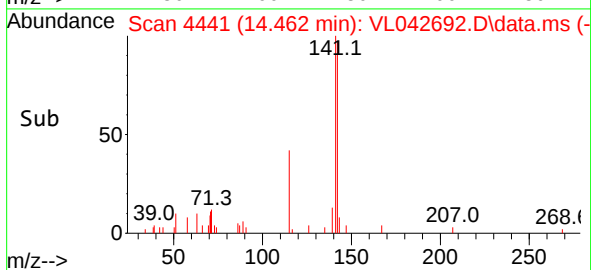
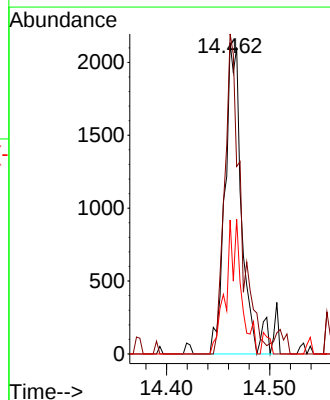
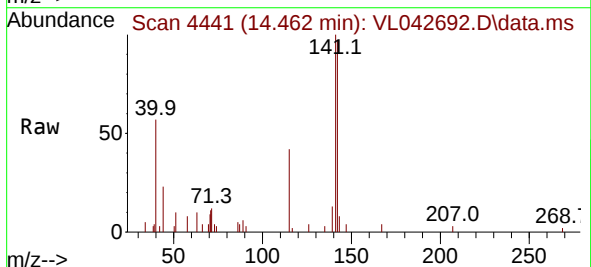
Manual Integrations
APPROVED

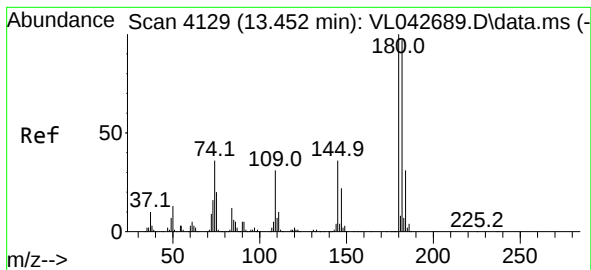
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#80
Naphthalene,2-methyl-
Concen: 0.198 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

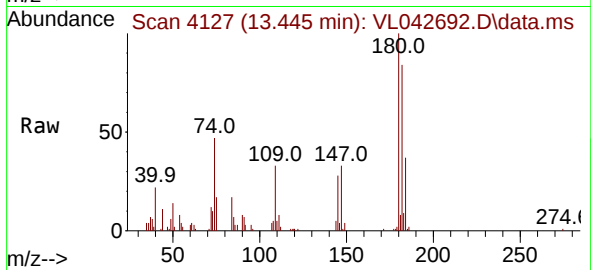
Tgt Ion:142 Resp: 2536
Ion Ratio Lower Upper
142 100
141 99.5 67.4 101.2
115 39.9 26.9 40.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.323 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. -0.007 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:180 Resp: 5818
 Ion Ratio Lower Upper
 180 100
 182 88.9 76.7 115.1
 184 32.8 24.4 36.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025

