

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
 Data File : VL043104.D
 Acq On : 14 Oct 2025 09:57
 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 10/16/2025
 Supervised By : Mahesh Dadoda 10/16/2025

Quant Time: Oct 15 01:50:18 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

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

QLast Update : Wed Oct 15 01:49:43 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	105881	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	352313	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	317756	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 246121 9.965 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	7965	0.529	ppbv	97
3) Chlorodifluoromethane	1.476	51	9692	0.595	ppbv	94
4) Chloromethane	1.534	50	3120	0.523	ppbv #	87
5) Vinyl Chloride	1.580	62	3086	0.528	ppbv #	88
6) Bromomethane	1.667	94	1751	0.546	ppbv	94
7) Chloroethane	1.703	64	1237	0.517	ppbv	91
8) Dichlorotetrafluoroethane	1.554	85	6095	0.501	ppbv	91
9) Propene	1.483	41	4527	0.627	ppbv	85
10) Heptane	4.975	43	12218m	0.590	ppbv	
11) Trichlorofluoromethane	1.877	101	7185	0.488	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.140	101	5552	0.468	ppbv	96
13) Ethanol	1.722	45	2072	0.775	ppbv	98
14) Bromoethene	1.780	108	2407	0.547	ppbv #	77
15) Acetone	1.835	43	8703	0.606	ppbv #	78
16) 1,3-Butadiene	1.609	39	5114	0.752	ppbv	85
17) tert-Butyl alcohol	2.043	59	10466	0.534	ppbv #	75
18) 1,1-Dichloroethene	2.033	96	2570	0.497	ppbv	89
19) Isopropyl Alcohol	1.887	45	5536	0.623	ppbv #	42
20) Methylene Chloride	2.059	84	3900	0.691	ppbv #	90
21) Allyl Chloride	2.098	41	6937	0.658	ppbv	95
22) trans-1,2-Dichloroethene	2.340	96	3420	0.554	ppbv	90
23) Vinyl Acetate	2.460	43	12508	0.598	ppbv #	96
24) 1,1-Dichloroethane	2.408	63	6654	0.558	ppbv	96
25) Ethyl Acetate	2.836	43	20683m	0.584	ppbv	
26) Hexane	2.823	57	8995	0.552	ppbv	91
27) Carbon Disulfide	2.149	76	8320	0.557	ppbv #	27
28) Methyl tert-Butyl Ether	2.441	73	4055	0.547	ppbv #	28
29) Chloroform	2.848	83	12763	0.540	ppbv	93
30) Cyclohexane	3.852	84	7771	0.546	ppbv #	88
31) cis-1,2-Dichloroethene	2.719	61	9280	0.596	ppbv	91
32) 1,1,1-Trichloroethane	3.366	97	12693	0.516	ppbv	98
34) 2-Butanone	2.557	43	12840	0.539	ppbv	100
35) Carbon Tetrachloride	3.764	117	13038m	0.515	ppbv	
36) Benzene	3.654	78	17573	0.530	ppbv	97
37) 1,2-Dichloroethane	3.217	62	9512	0.498	ppbv #	91
38) Trichloroethene	4.544	130	7452	0.538	ppbv #	81
39) 1,2-Dichloropropane	4.308	63	6959	0.573	ppbv	92
40) 1,4-Dioxane	4.600	88	3090m	0.569	ppbv	
41) Tetrahydrofuran	3.056	42	6806	0.512	ppbv #	87
42) Bromodichloromethane	4.486	83	13704	0.518	ppbv	94
43) Methyl Methacrylate	4.868	69	9962m	0.588	ppbv	
44) 2,2,4-Trimethylpentane	4.638	57	29453	0.531	ppbv	97
45) t-1,3-Dichloropropene	6.412	75	8842	0.523	ppbv	99

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Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

Quant Time: Oct 15 01:50:18 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

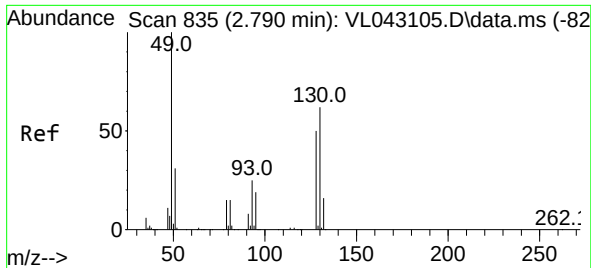
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed Oct 15 01:49:43 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	10965m	0.543	ppbv	
47) 1,1,2-Trichloroethane	6.584	97	7497m	0.572	ppbv	
48) Dibromochloromethane	7.383	129	11719m	0.535	ppbv	
49) Bromoform	9.480	173	9464	0.532	ppbv	96
50) 4-Methyl-2-Pentanone	5.755	43	19617m	0.597	ppbv	
51) 2-Hexanone	7.438	43	13781m	0.562	ppbv	
52) Tetrachloroethene	8.221	164	6550	0.547	ppbv #	91
53) Toluene	6.930	91	21155	0.537	ppbv	98
54) 1,2-Dibromoethane	7.655	107	10558	0.511	ppbv	85
56) 1,1,1,2-Tetrachloroethane	8.927	131	11265	0.562	ppbv #	1
57) Chlorobenzene	8.920	112	16144	0.543	ppbv	98
58) Ethyl Benzene	9.351	91	29140	0.530	ppbv	96
59) m/p-Xylene	9.548	91	47273m	1.086	ppbv	
60) o-Xylene	9.963	91	24082	0.561	ppbv	98
61) Styrene	9.869	104	10700	0.552	ppbv	99
62) Isopropylbenzene	10.539	105	41917	0.540	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.963	83	15149	0.527	ppbv	99
64) n-propylbenzene	10.989	120	10775	0.524	ppbv	92
65) tert-Butylbenzene	11.526	119	38701	0.565	ppbv	97
66) Benzyl Chloride	11.613	91	4324	0.565	ppbv	99
67) sec-Butylbenzene	11.765	105	55597	0.571	ppbv	99
69) p-Isopropyltoluene	11.924	119	45125	0.546	ppbv	97
70) n-Butylbenzene	12.280	91	43906	0.539	ppbv	97
71) 2-Chlorotoluene	10.901	91	30435	0.514	ppbv	92
72) 4-Ethyltoluene	11.125	105	28796	0.545	ppbv	96
73) 1,3,5-Trimethylbenzene	11.202	105	24080	0.553	ppbv	93
74) 1,2,4-Trimethylbenzene	11.532	105	26922	0.552	ppbv	97
75) 1,3-Dichlorobenzene	11.607	146	15816	0.559	ppbv	98
76) 1,4-Dichlorobenzene	11.672	146	15517	0.544	ppbv	99
77) 1,2-Dichlorobenzene	11.943	146	14510	0.530	ppbv	95
78) Hexachloro-1,3-Butadiene	13.879	225	11728	0.554	ppbv	99
79) Naphthalene	13.510	128	26115	0.519	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	7723	0.581	ppbv	95
81) 1,2,4-Trichlorobenzene	13.439	180	9900	0.468	ppbv	98

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



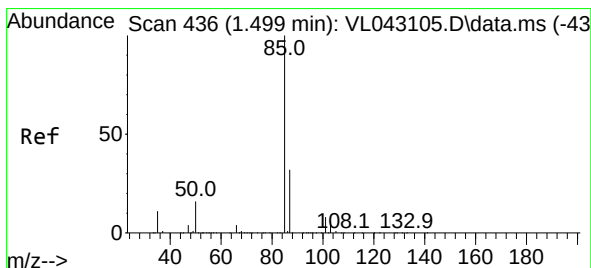
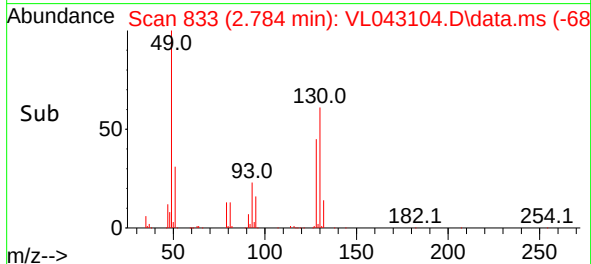
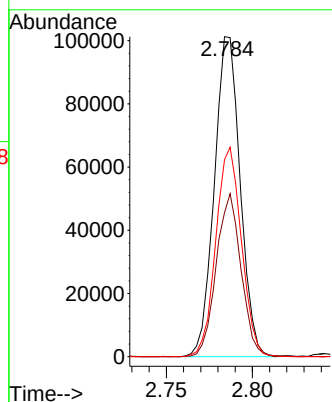
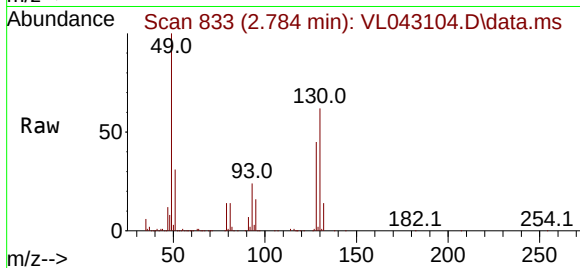
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 49 Resp: 10588
Ion Ratio Lower Upper
49 100
128 48.9 24.4 73.4
130 64.9 31.0 93.0

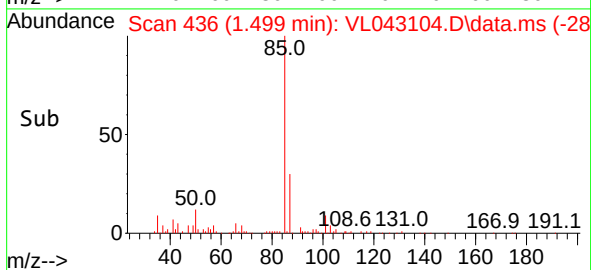
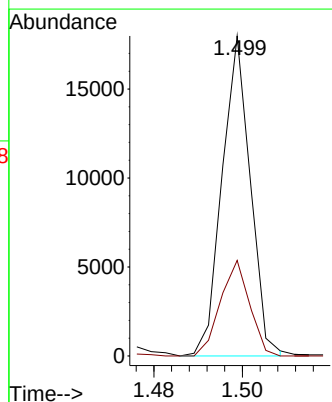
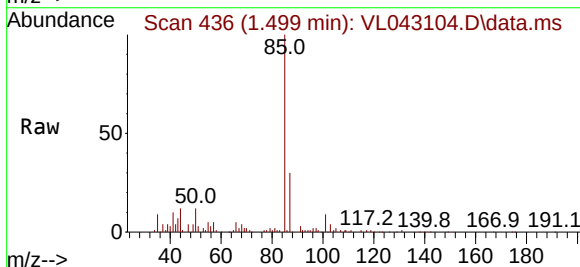
Manual Integrations
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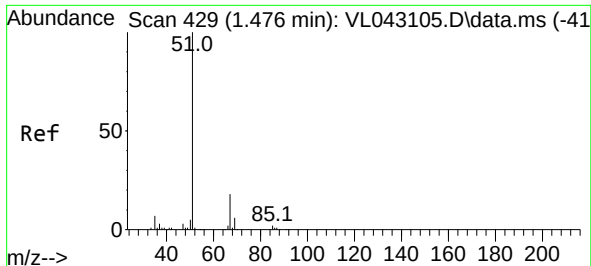
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#2
Dichlorodifluoromethane
Concen: 0.529 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Tgt Ion: 85 Resp: 7965
Ion Ratio Lower Upper
85 100
87 29.9 25.3 37.9





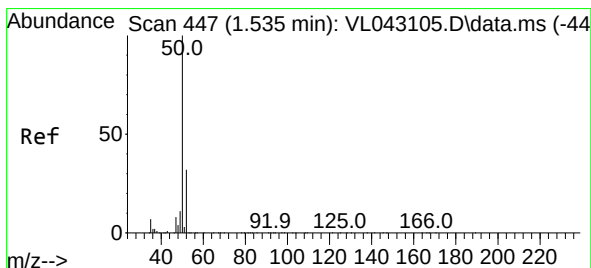
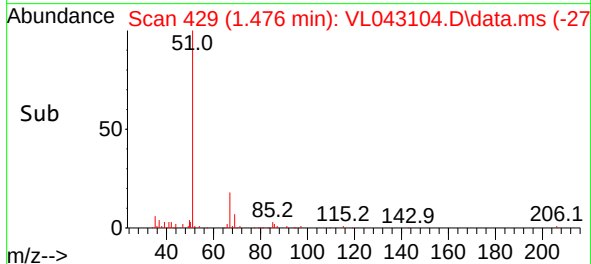
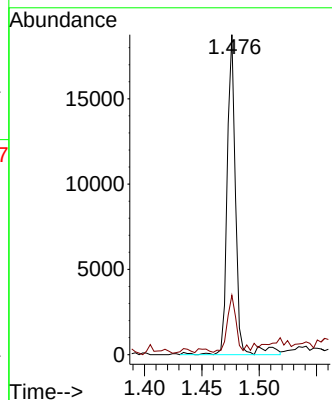
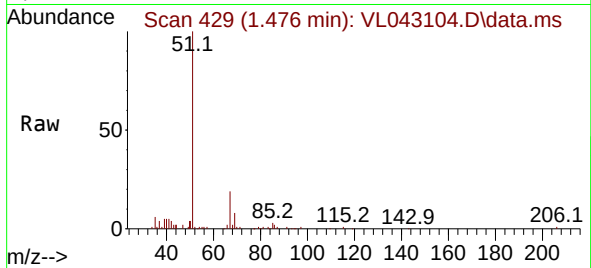
#3
Chlorodifluoromethane
Concen: 0.595 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 969
Ion Ratio Lower Upper
51 100
67 21.8 15.1 22.7

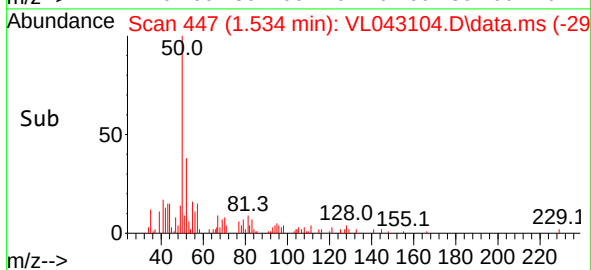
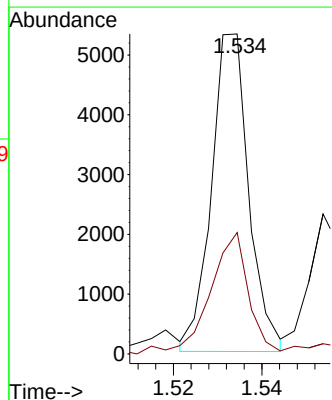
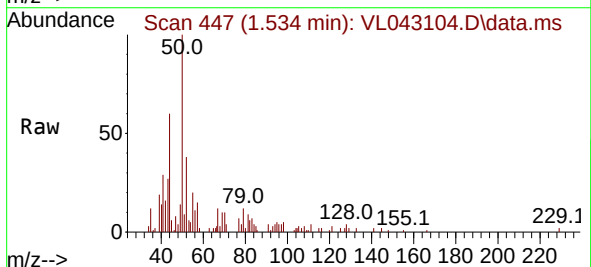
Manual Integrations
APPROVED

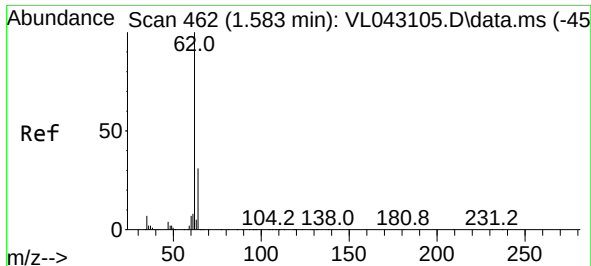
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#4
Chloromethane
Concen: 0.523 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

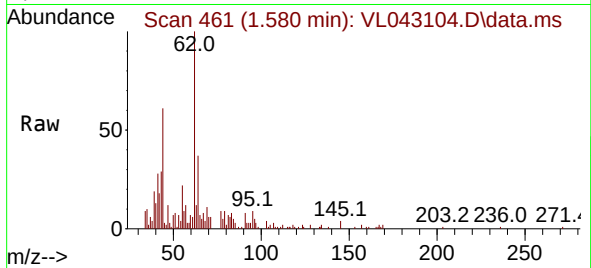
Tgt Ion: 50 Resp: 3120
Ion Ratio Lower Upper
50 100
52 38.5 25.2 37.8#





#5
 Vinyl Chloride
 Concen: 0.528 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.003 min
 Lab File: VL043104.D
 Acq: 14 Oct 2025 09:57

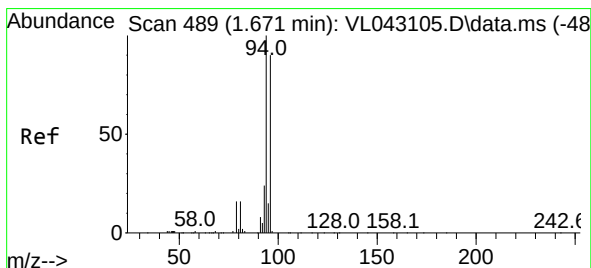
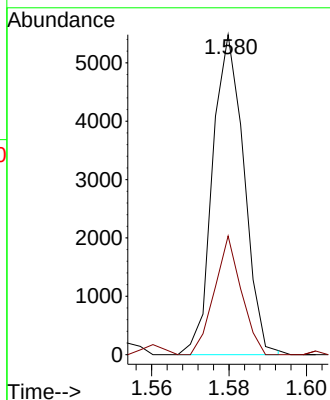
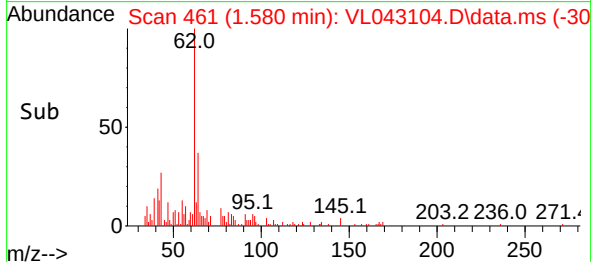
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 62 Resp: 3080
 Ion Ratio Lower Upper
 62 100
 64 37.1 24.6 36.8

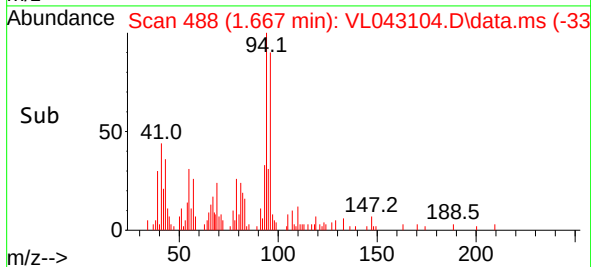
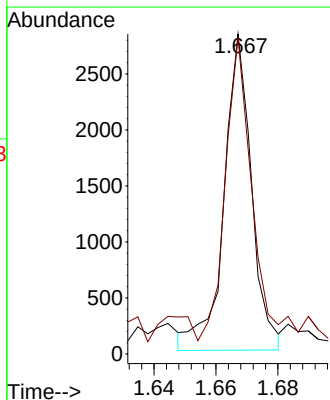
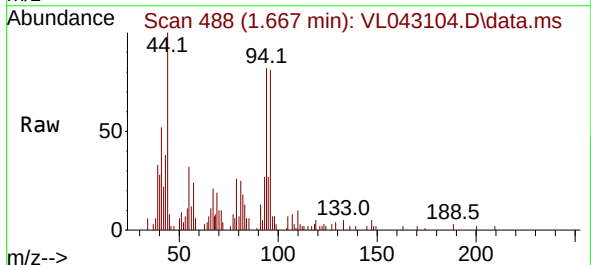
Manual Integrations
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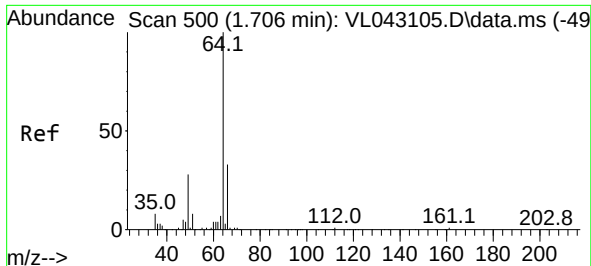
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025



#6
 Bromomethane
 Concen: 0.546 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.003 min
 Lab File: VL043104.D
 Acq: 14 Oct 2025 09:57

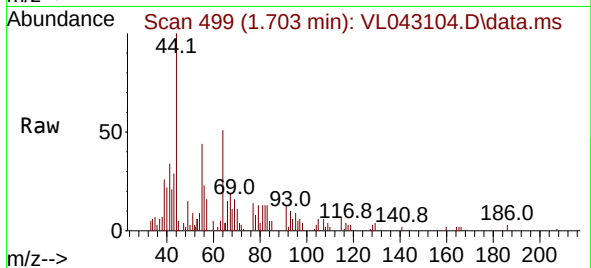
Tgt Ion: 94 Resp: 1751
 Ion Ratio Lower Upper
 94 100
 96 95.8 72.2 108.4





#7
Chloroethane
Concen: 0.517 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.003 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

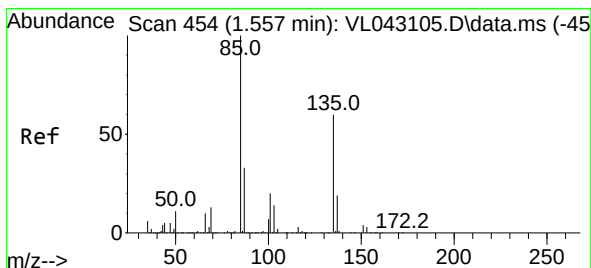
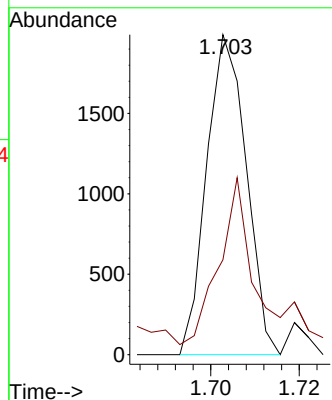
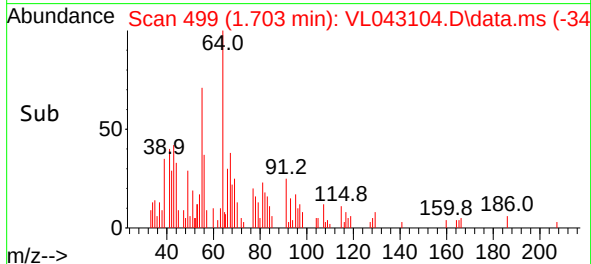
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 64 Resp: 123
Ion Ratio Lower Upper
64 100
66 27.5 26.0 39.0

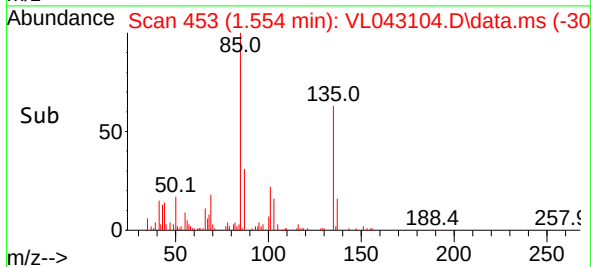
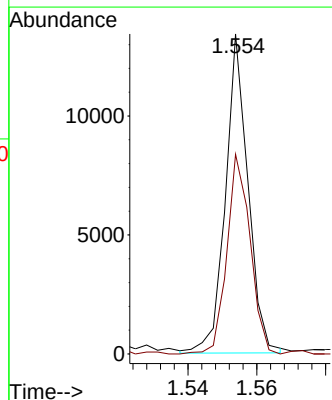
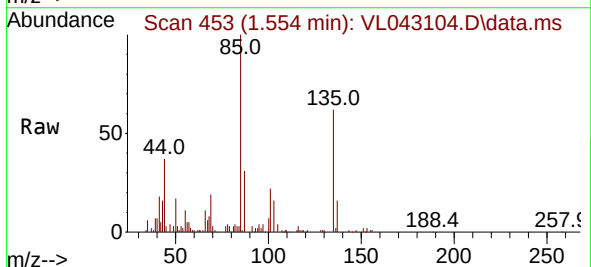
Manual Integrations
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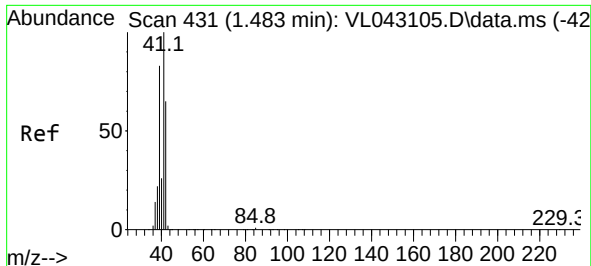
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#8
Dichlorotetrafluoroethane
Concen: 0.501 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.003 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Tgt Ion: 85 Resp: 6095
Ion Ratio Lower Upper
85 100
135 67.2 48.2 72.4





#9

Propene

Concen: 0.627 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL043104.D

Acq: 14 Oct 2025 09:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 41 Resp: 452

Ion Ratio Lower Upper

41 100

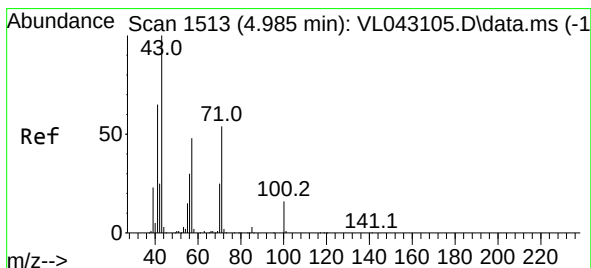
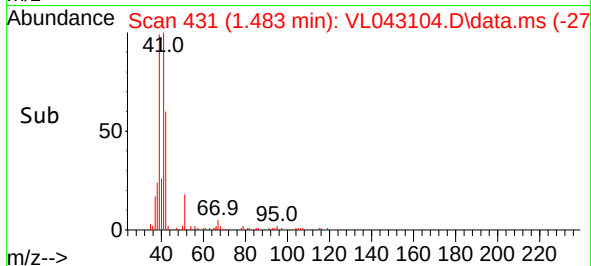
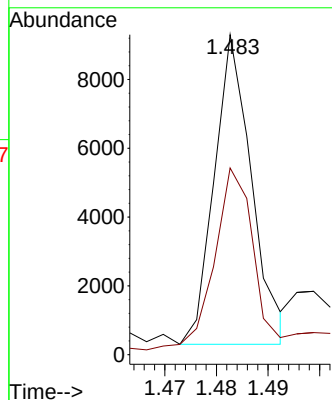
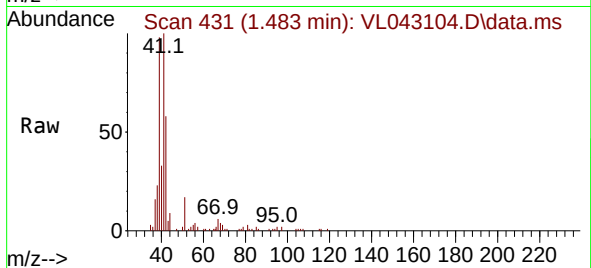
42 80.9 55.1 82.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#10

Heptane

Concen: 0.590 ppbv m

RT: 4.975 min Scan# 1510

Delta R.T. -0.010 min

Lab File: VL043104.D

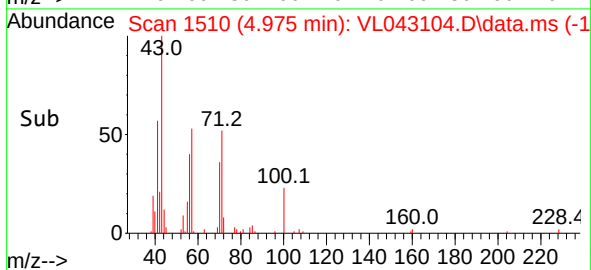
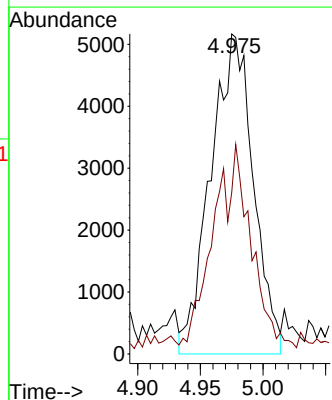
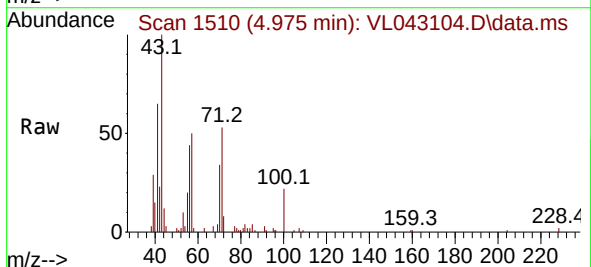
Acq: 14 Oct 2025 09:57

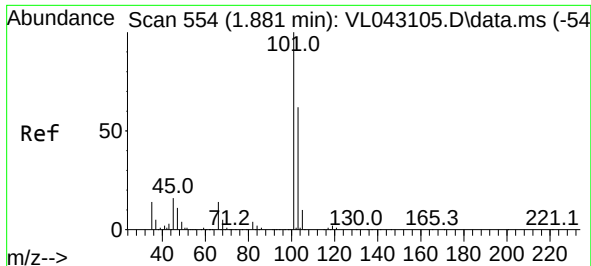
Tgt Ion: 43 Resp: 12218

Ion Ratio Lower Upper

43 100

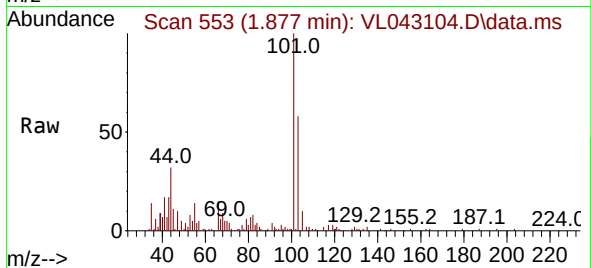
57 57.1 40.8 61.2





#11
Trichlorofluoromethane
Concen: 0.488 ppbv
RT: 1.877 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

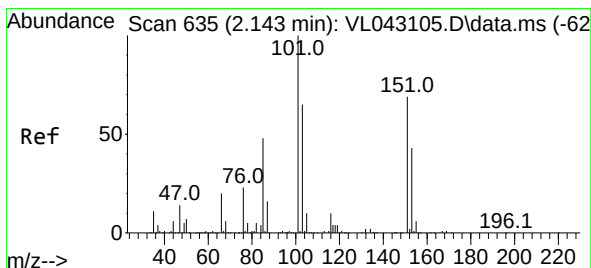
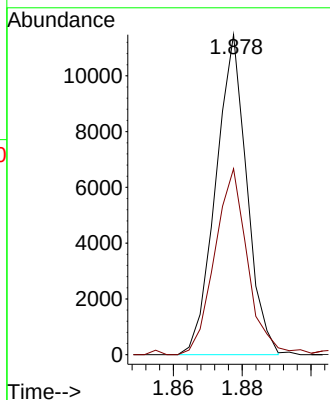
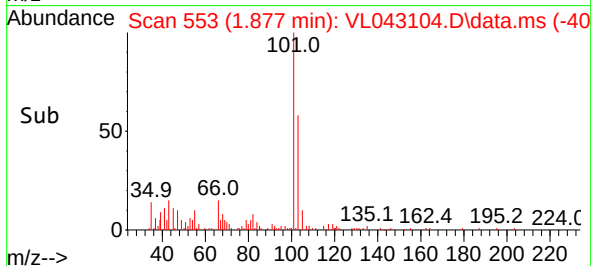
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:101 Resp: 7185
Ion Ratio Lower Upper
101 100
103 58.1 49.3 73.9

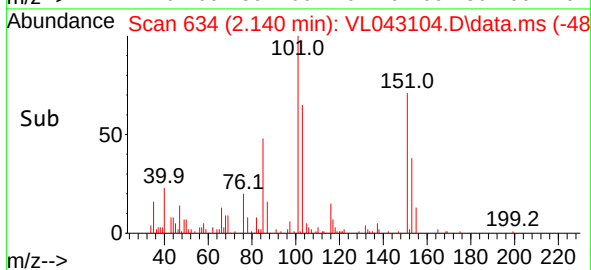
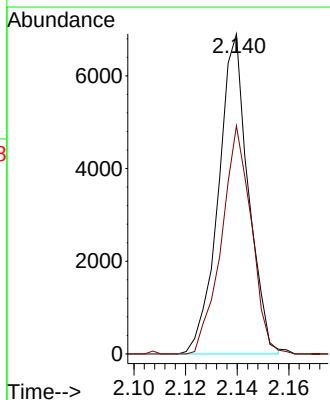
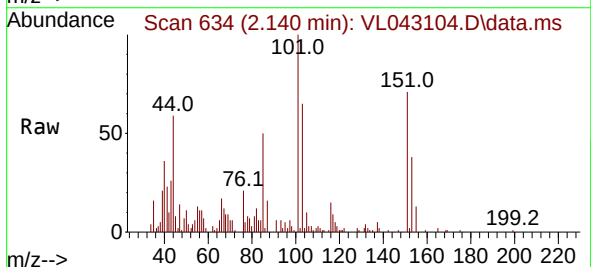
Manual Integrations
APPROVED

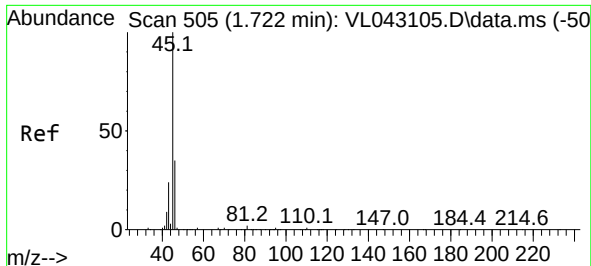
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.468 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.003 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

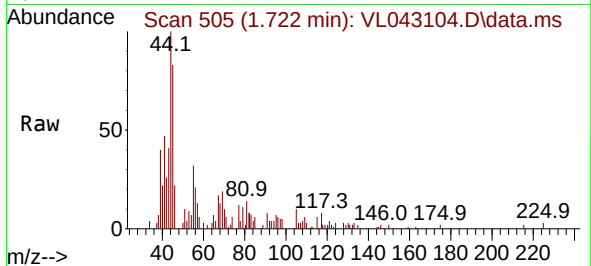
Tgt Ion:101 Resp: 5552
Ion Ratio Lower Upper
101 100
151 71.5 54.7 82.1





#13
Ethanol
Concen: 0.775 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

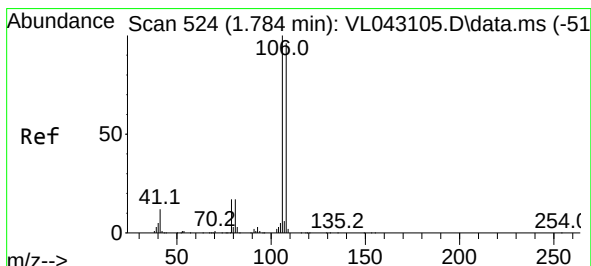
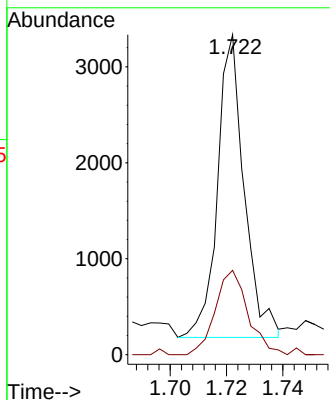
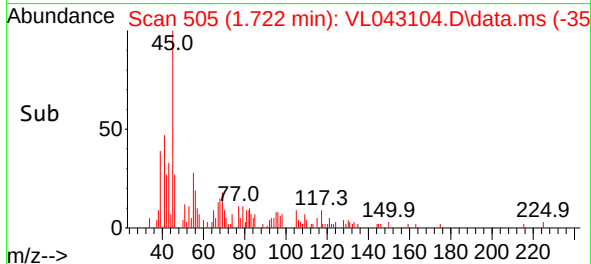
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



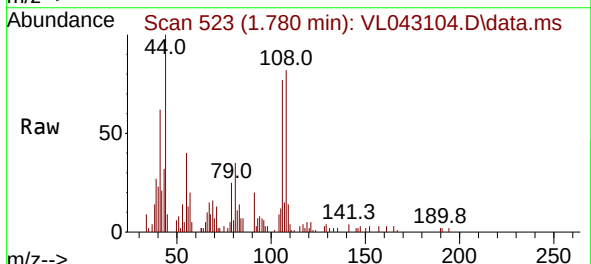
Tgt Ion: 45 Resp: 2072
Ion Ratio Lower Upper
45 100
46 35.3 14.7 58.9

Manual Integrations
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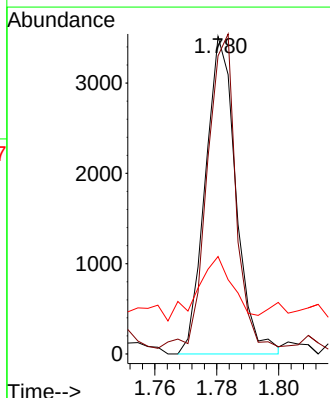
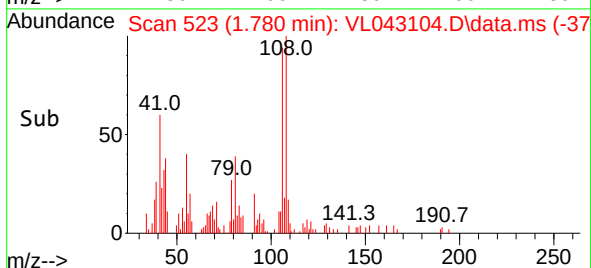
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

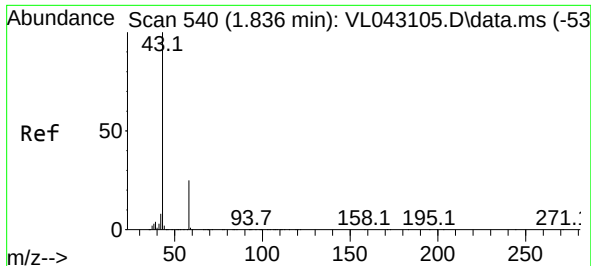


#14
Bromoethene
Concen: 0.547 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57



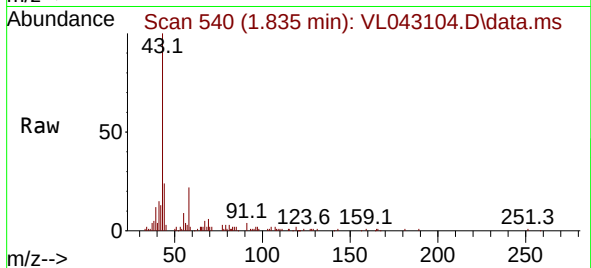
Tgt Ion:108 Resp: 2407
Ion Ratio Lower Upper
108 100
106 117.0 84.4 126.6
79 60.2 15.3 22.9





#15
Acetone
Concen: 0.606 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

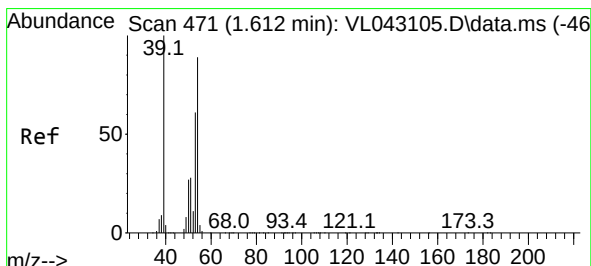
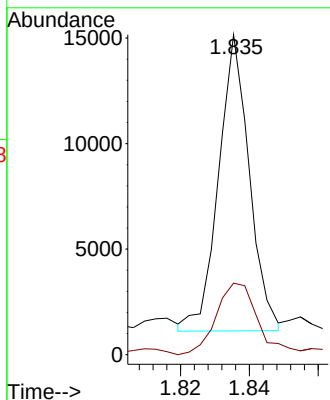
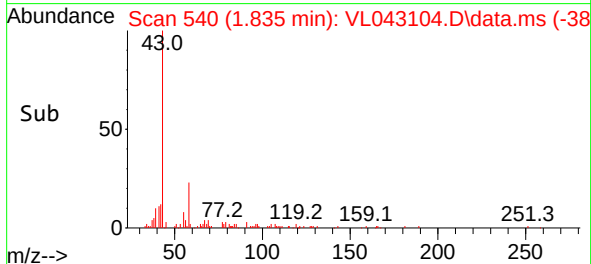
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



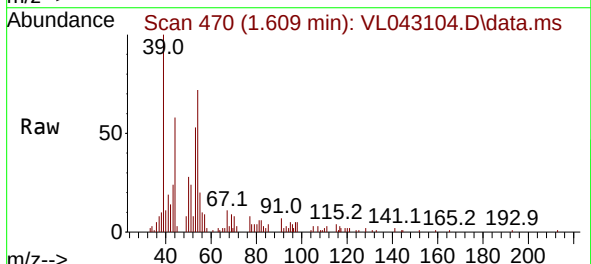
Tgt Ion: 43 Resp: 870
Ion Ratio Lower Upper
43 100
58 37.0 20.8 31.2

Manual Integrations
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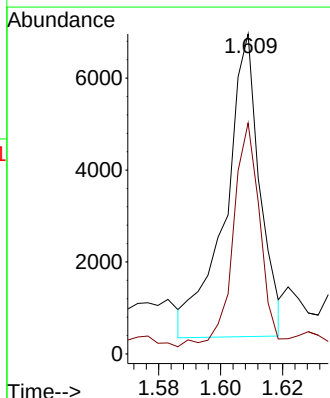
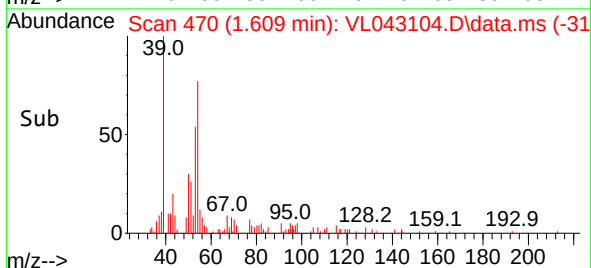
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

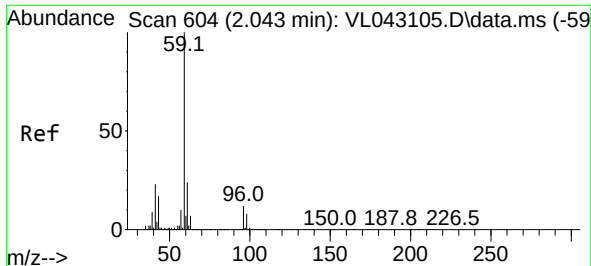


#16
1,3-Butadiene
Concen: 0.752 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57



Tgt Ion: 39 Resp: 5114
Ion Ratio Lower Upper
39 100
54 61.0 59.0 88.4





#17

tert-Butyl alcohol

Concen: 0.534 ppbv

RT: 2.043 min Scan# 604

Delta R.T. -0.000 min

Lab File: VL043104.D

Acq: 14 Oct 2025 09:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 59 Resp: 10460

Ion Ratio Lower Upper

59 100

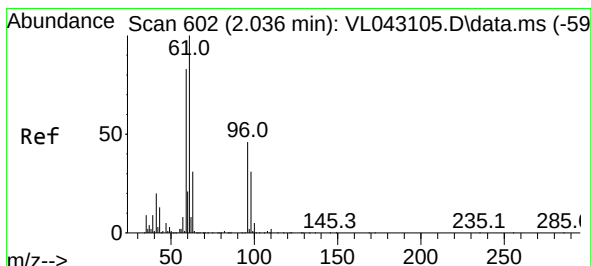
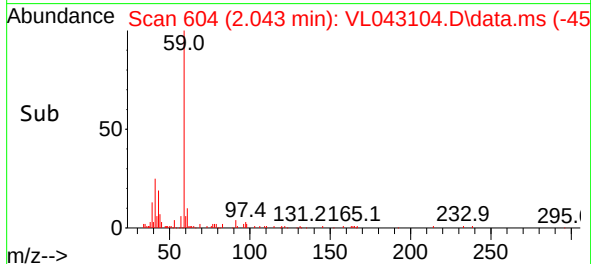
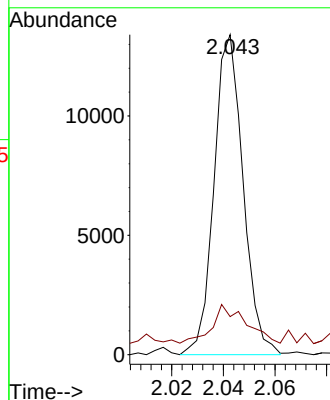
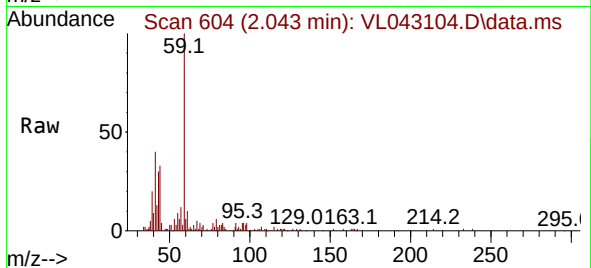
57 19.5 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#18

1,1-Dichloroethene

Concen: 0.497 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.003 min

Lab File: VL043104.D

Acq: 14 Oct 2025 09:57

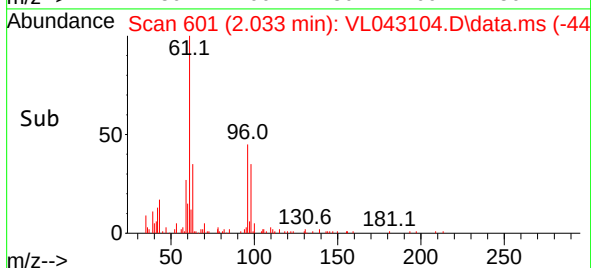
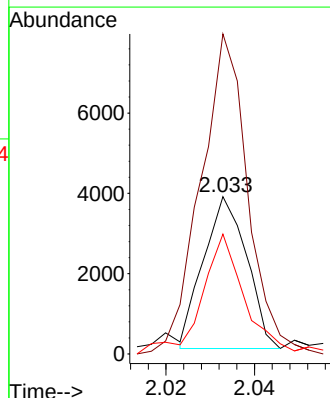
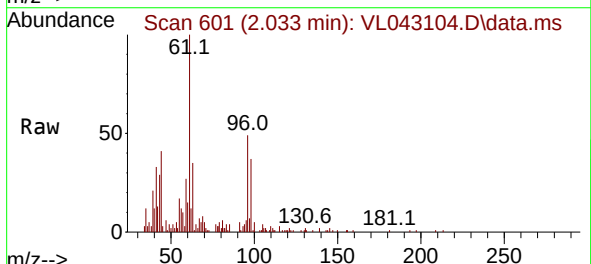
Tgt Ion: 96 Resp: 2570

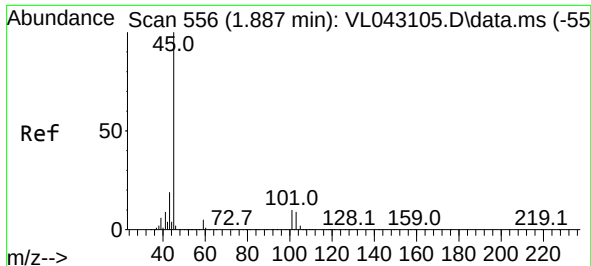
Ion Ratio Lower Upper

96 100

61 198.4 173.4 260.0

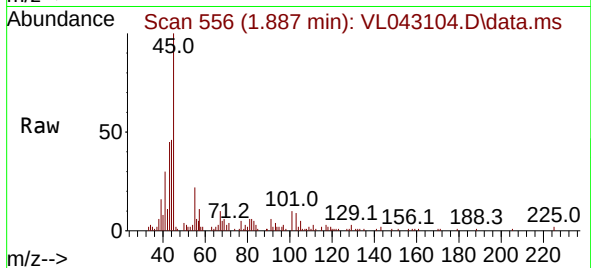
98 72.9 53.2 79.8





#19
Isopropyl Alcohol
Concen: 0.623 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

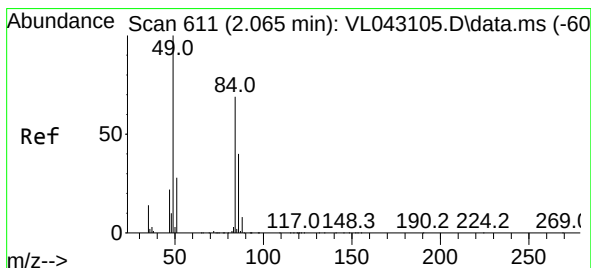
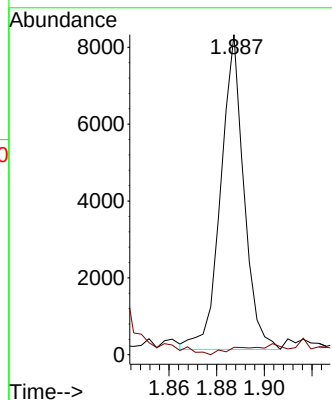
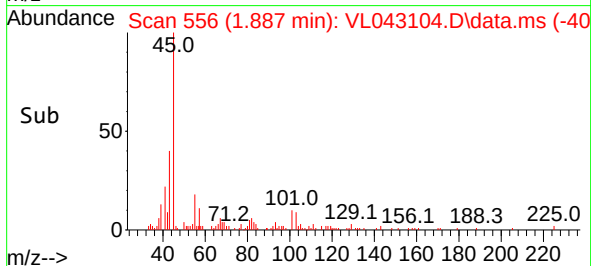
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



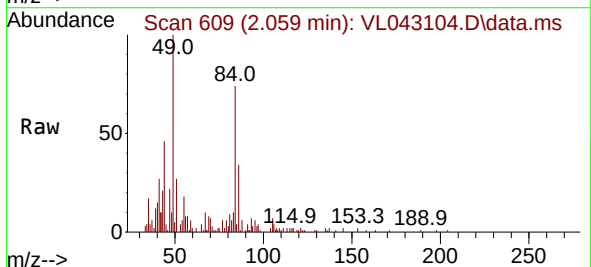
Tgt Ion: 45 Resp: 5530
Ion Ratio Lower Upper
45 100
58 3.7 31.3 46.9

Manual Integrations
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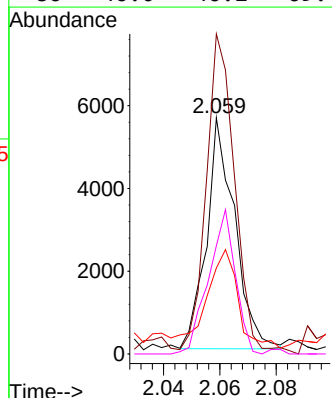
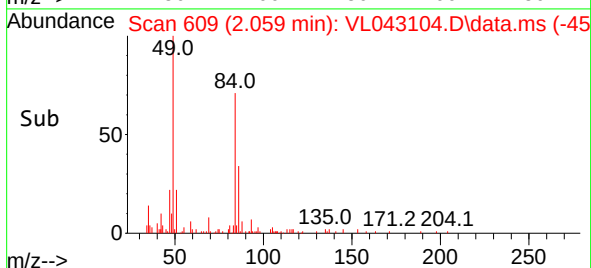
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

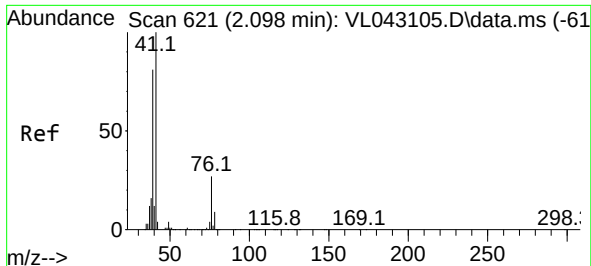


#20
Methylene Chloride
Concen: 0.691 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.007 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57



Tgt Ion: 84 Resp: 3900
Ion Ratio Lower Upper
84 100
49 136.9 116.6 175.0
51 34.7 34.8 52.2#
86 46.0 46.2 69.4#





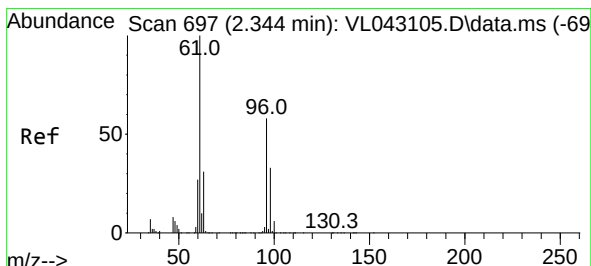
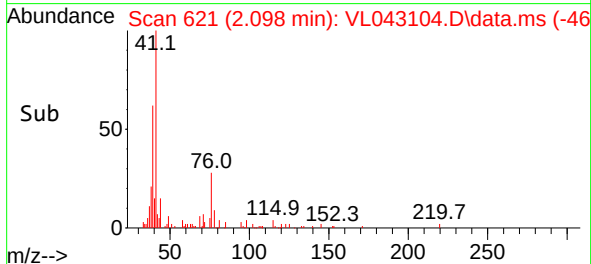
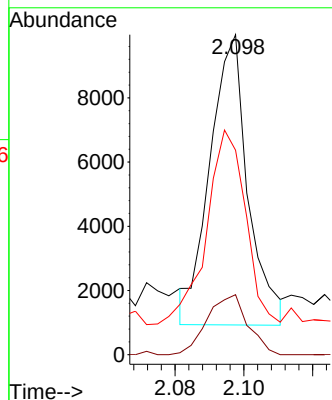
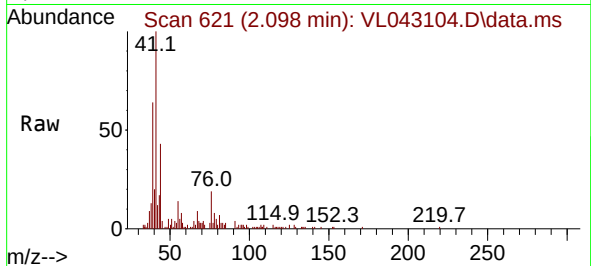
#21
 Allyl Chloride
 Concen: 0.658 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL043104.D
 Acq: 14 Oct 2025 09:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 693
 Ion Ratio Lower Upper
 41 100
 76 22.4 21.5 32.3
 39 79.4 60.8 91.2

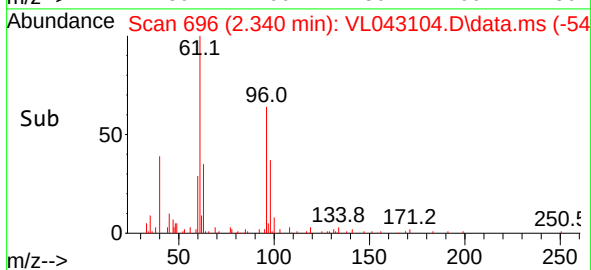
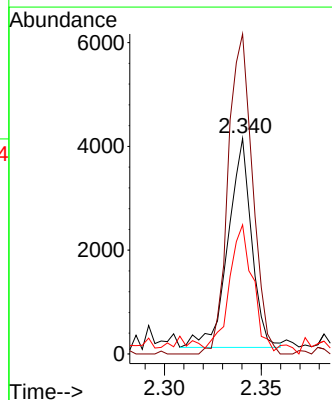
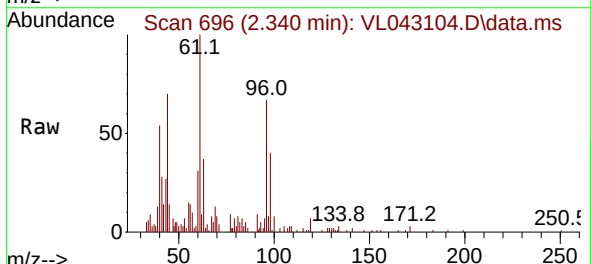
Manual Integrations
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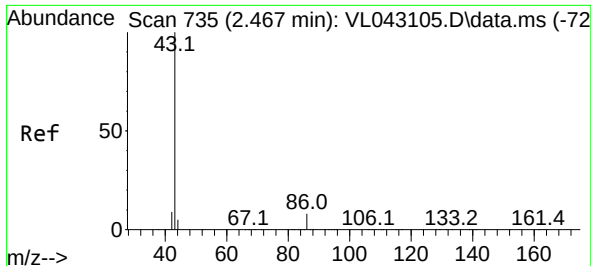
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.554 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.003 min
 Lab File: VL043104.D
 Acq: 14 Oct 2025 09:57

Tgt Ion: 96 Resp: 3420
 Ion Ratio Lower Upper
 96 100
 61 153.1 137.0 205.6
 98 57.8 45.5 68.3





#23
 Vinyl Acetate
 Concen: 0.598 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. -0.007 min
 Lab File: VL043104.D
 Acq: 14 Oct 2025 09:57

Instrument :

MSVOA_L

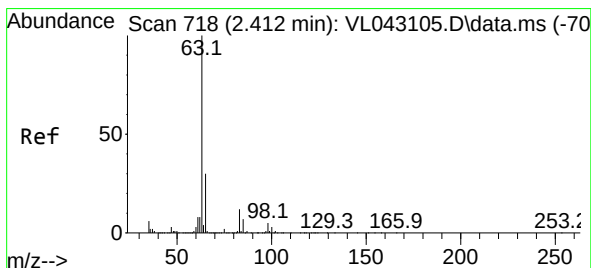
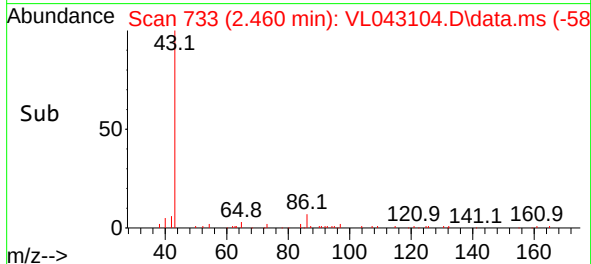
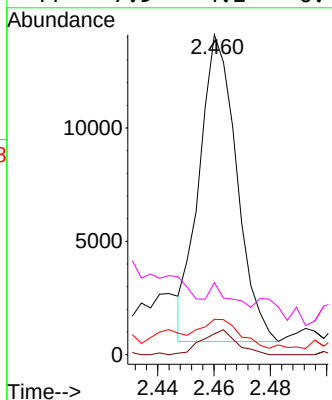
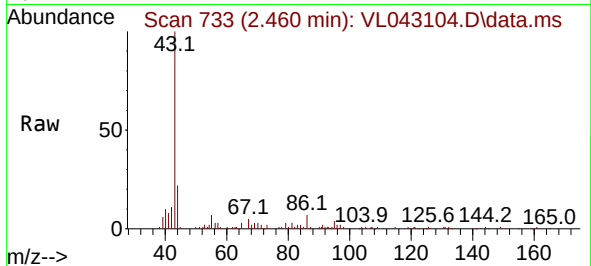
ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 12508
 Ion Ratio Lower Upper
 43 100
 86 6.8 6.2 9.2
 42 8.4 7.6 11.4
 44 7.9 4.2 6.4#

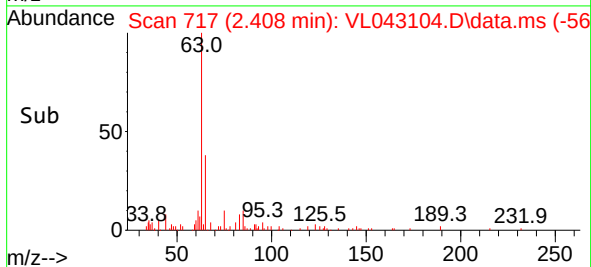
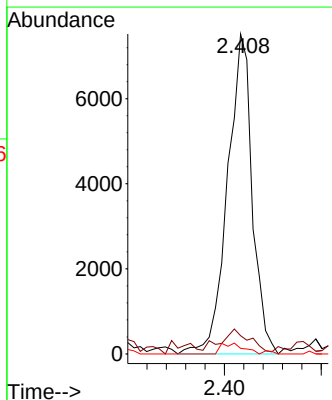
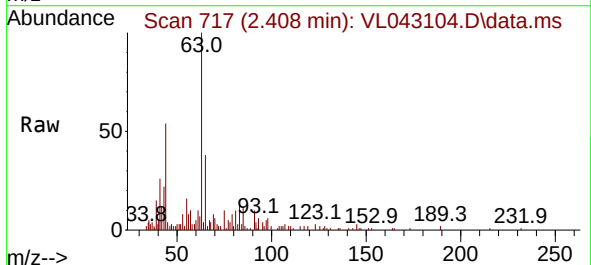
Manual Integrations
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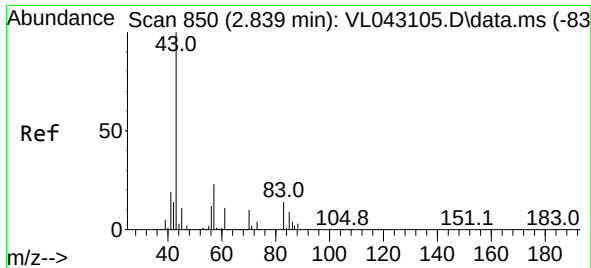
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025



#24
 1,1-Dichloroethane
 Concen: 0.558 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL043104.D
 Acq: 14 Oct 2025 09:57

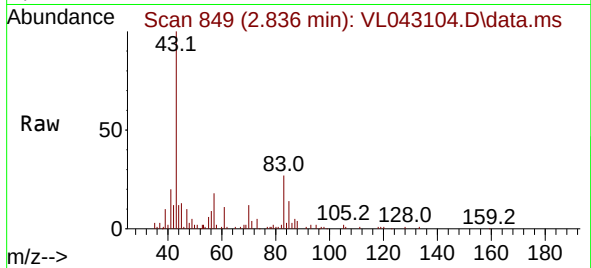
Tgt Ion: 63 Resp: 6654
 Ion Ratio Lower Upper
 63 100
 98 3.9 2.6 7.8
 100 1.7 1.5 4.4





#25
Ethyl Acetate
Concen: 0.584 ppbv m
RT: 2.836 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

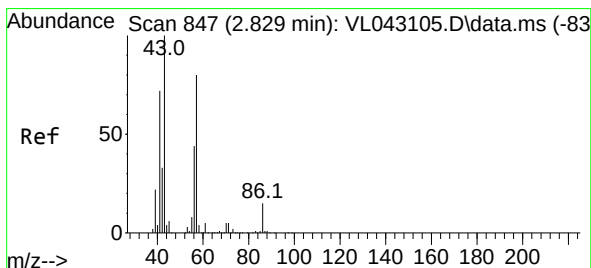
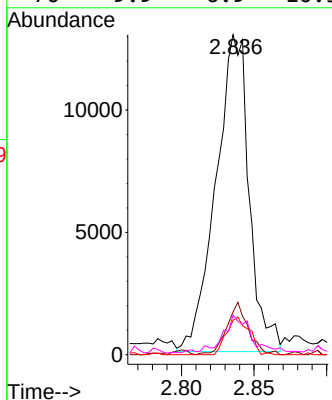
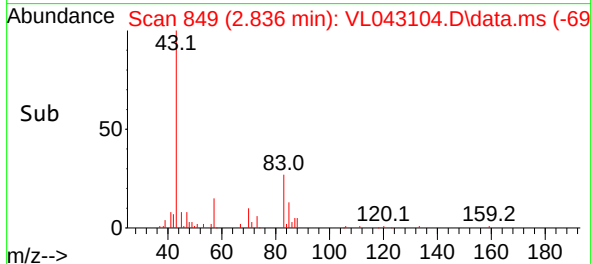
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



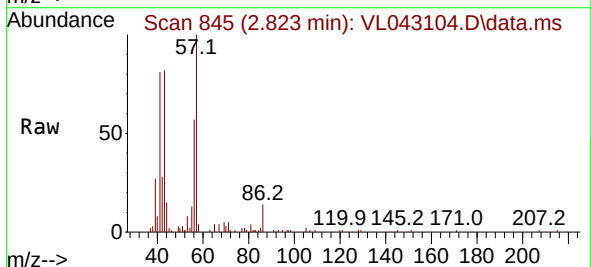
Tgt Ion: 43 Resp: 2068
Ion Ratio Lower Upper
43 100
45 0.0 7.8 11.8
61 0.0 7.0 10.6
70 9.9 6.9 10.3

Manual Integrations
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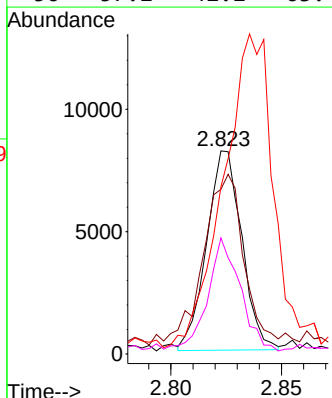
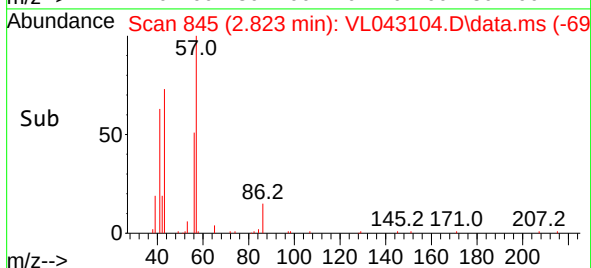
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

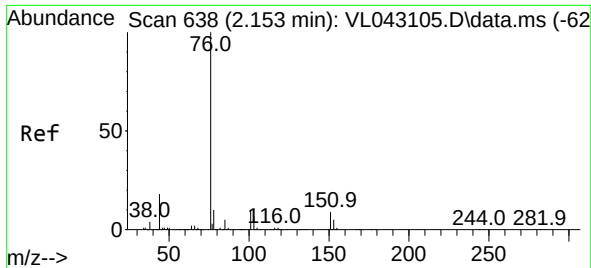


#26
Hexane
Concen: 0.552 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.007 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57



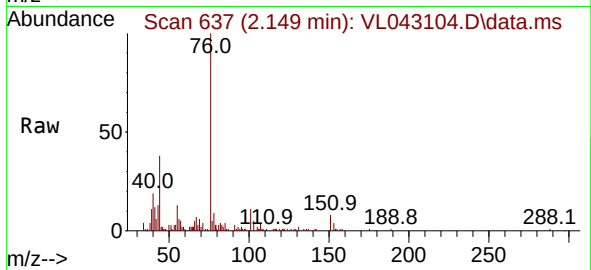
Tgt Ion: 57 Resp: 8995
Ion Ratio Lower Upper
57 100
41 100.6 71.4 107.0
43 235.8 178.5 267.7
56 57.2 42.2 63.4





#27
Carbon Disulfide
Concen: 0.557 ppbv
RT: 2.149 min Scan# 637
Delta R.T. -0.003 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

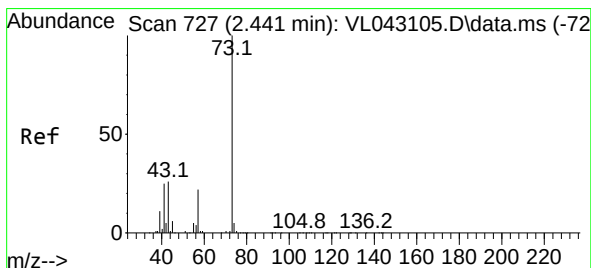
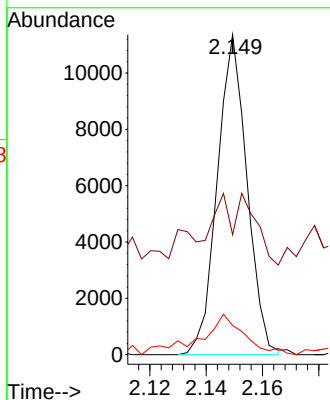
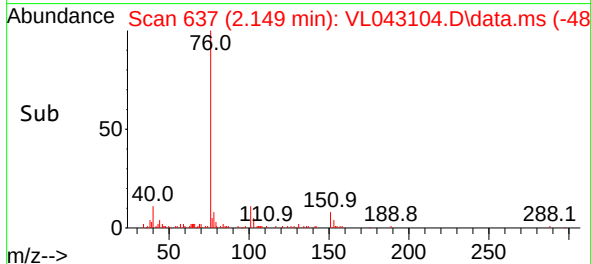
Instrument : MSVOA_1
ClientSampleId : VSTDIC0.5



Tgt Ion: 76 Resp: 8320
Ion Ratio Lower Upper
76 100
44 70.2 16.7 25.1
78 17.6 9.3 13.9

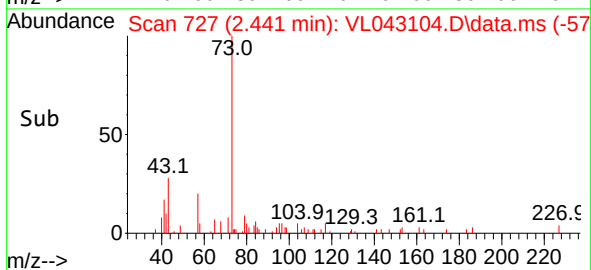
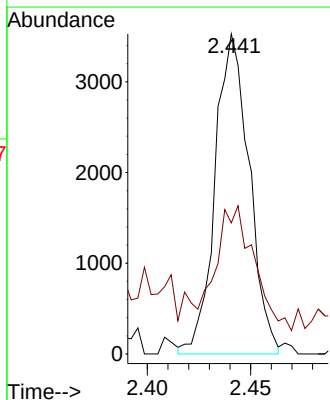
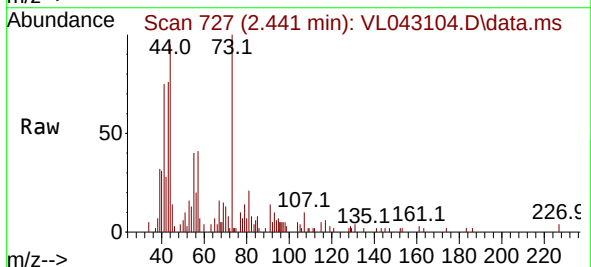
Manual Integrations
APPROVED

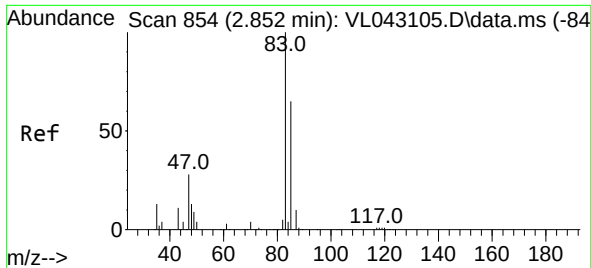
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#28
Methyl tert-Butyl Ether
Concen: 0.547 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Tgt Ion: 73 Resp: 4055
Ion Ratio Lower Upper
73 100
57 62.3 20.5 30.7





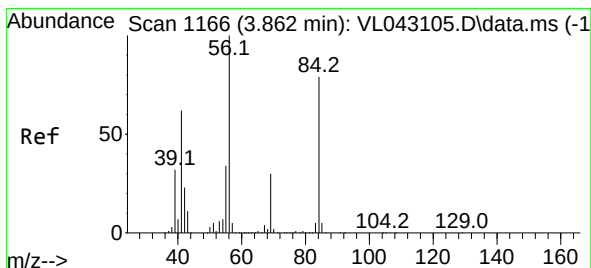
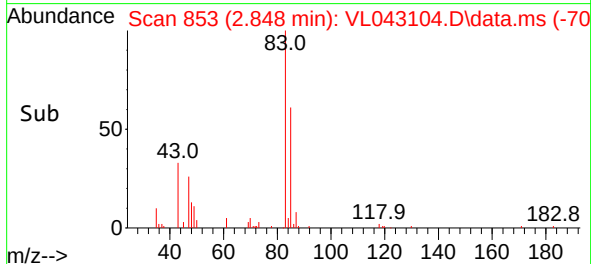
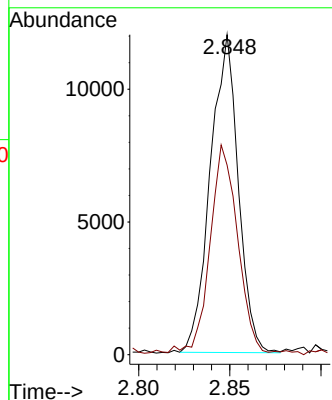
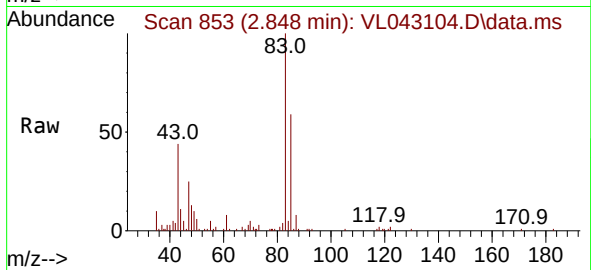
#29
Chloroform
Concen: 0.540 ppbv
RT: 2.848 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 83 Resp: 1276
Ion Ratio Lower Upper
83 100
85 58.8 51.8 77.6

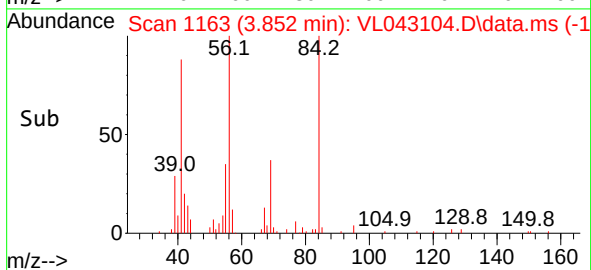
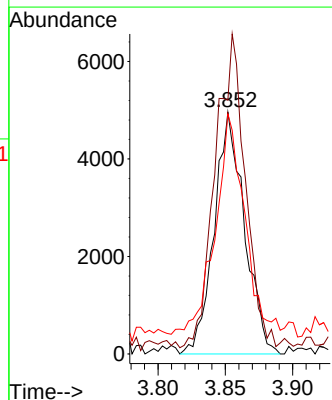
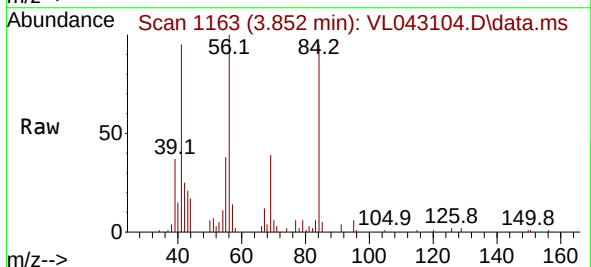
Manual Integrations
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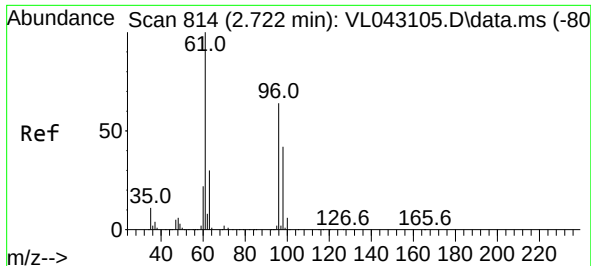
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#30
Cyclohexane
Concen: 0.546 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.010 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

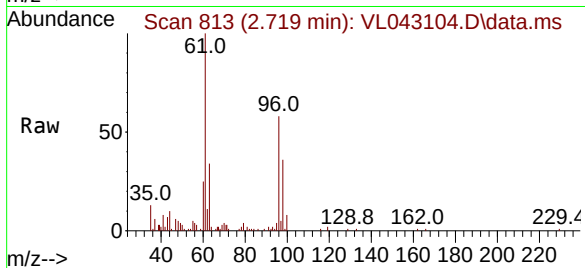
Tgt Ion: 84 Resp: 7771
Ion Ratio Lower Upper
84 100
56 129.4 100.9 151.3
41 103.8 63.8 95.6#





#31
 cis-1,2-Dichloroethene
 Concen: 0.596 ppbv
 RT: 2.719 min Scan# 814
 Delta R.T. -0.003 min
 Lab File: VL043104.D
 Acq: 14 Oct 2025 09:57

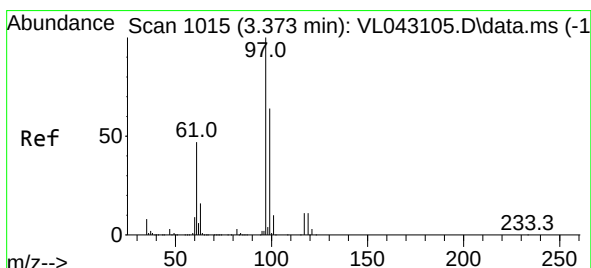
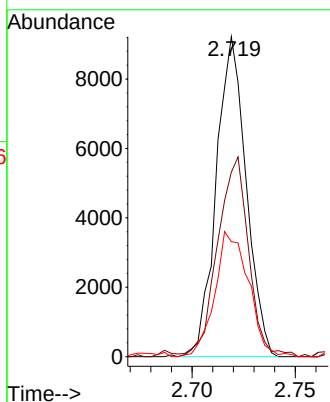
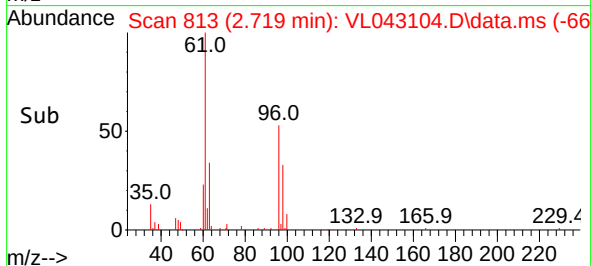
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



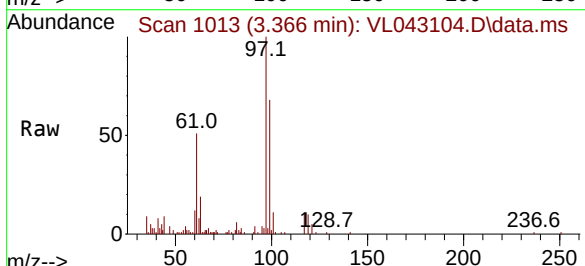
Tgt Ion: 61 Resp: 9280
 Ion Ratio Lower Upper
 61 100
 96 56.8 51.0 76.6
 98 36.0 33.5 50.3

Manual Integrations
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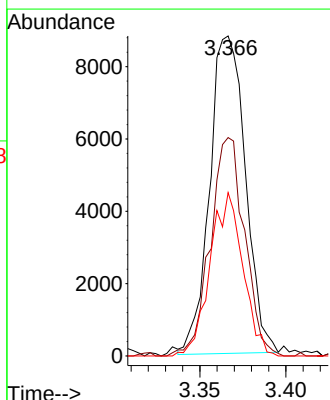
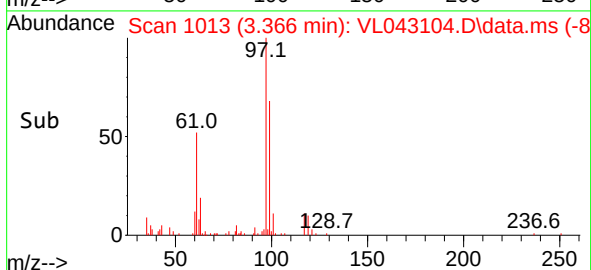
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

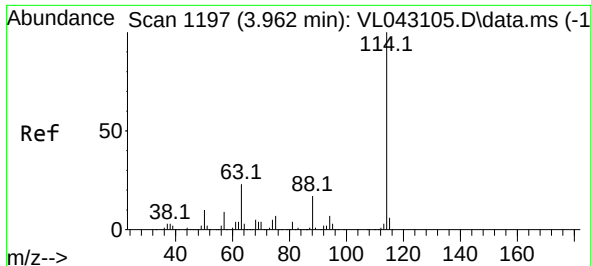


#32
 1,1,1-Trichloroethane
 Concen: 0.516 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. -0.007 min
 Lab File: VL043104.D
 Acq: 14 Oct 2025 09:57



Tgt Ion: 97 Resp: 12693
 Ion Ratio Lower Upper
 97 100
 99 66.6 51.3 76.9
 61 47.2 38.4 57.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.007 min

Lab File: VL043104.D

Acq: 14 Oct 2025 09:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

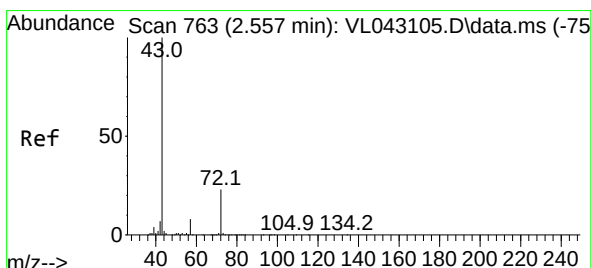
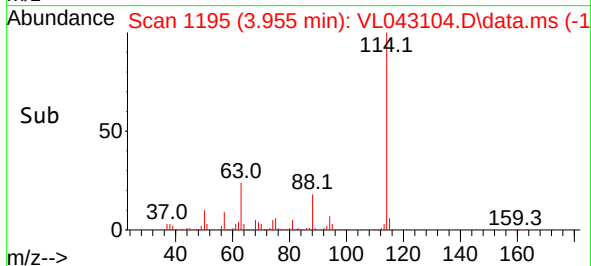
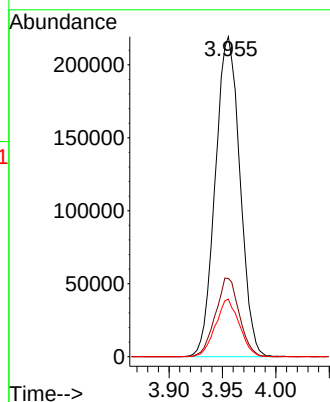
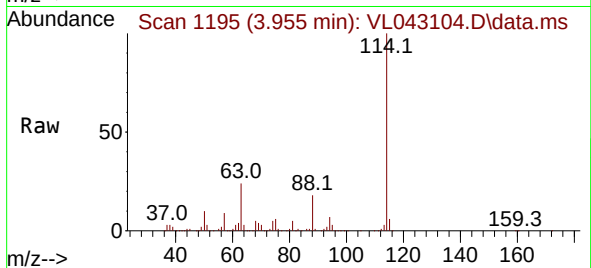
Tgt Ion: 114 Resp: 35231

Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.3	28.9
88	17.3	13.9	20.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#34

2-Butanone

Concen: 0.539 ppbv

RT: 2.557 min Scan# 763

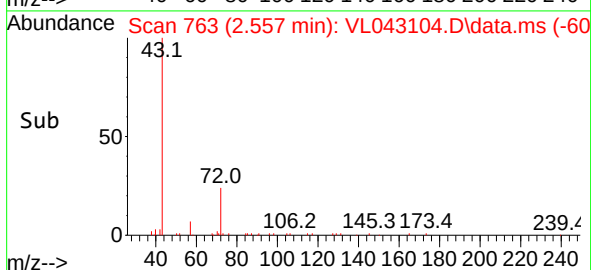
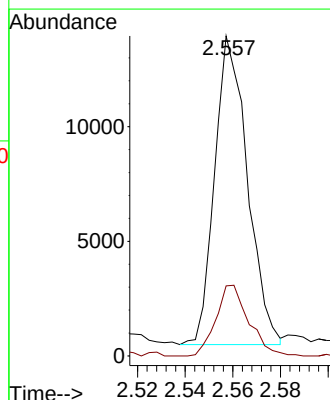
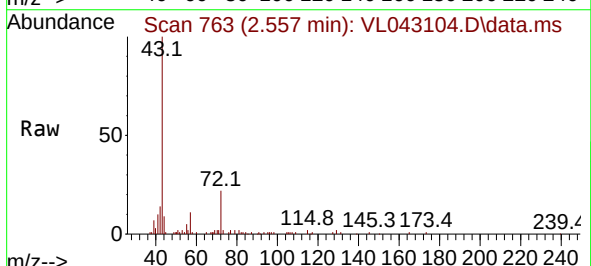
Delta R.T. -0.000 min

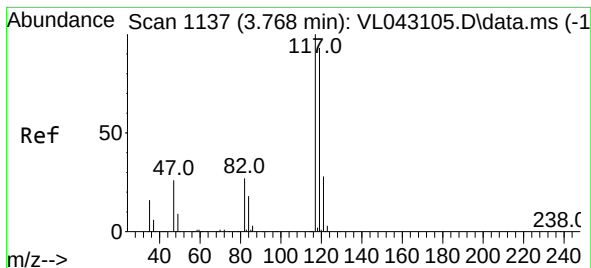
Lab File: VL043104.D

Acq: 14 Oct 2025 09:57

Tgt Ion: 43 Resp: 12840

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.4	27.6





#35

Carbon Tetrachloride

Concen: 0.515 ppbv m

RT: 3.764 min Scan# 1136

Delta R.T. -0.003 min

Lab File: VL043104.D

Acq: 14 Oct 2025 09:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 117 Resp: 13038

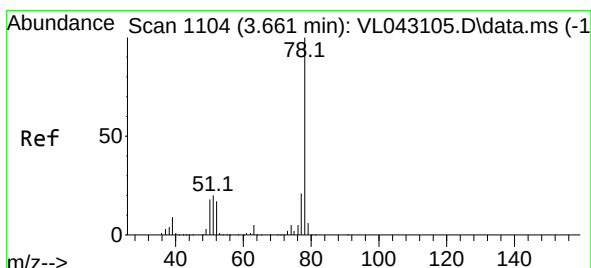
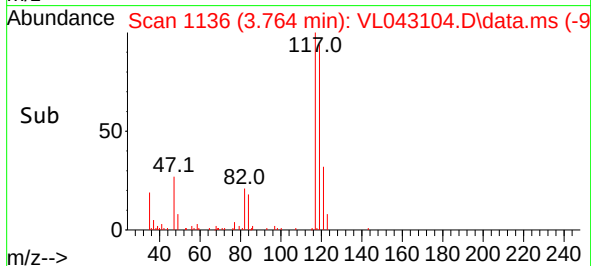
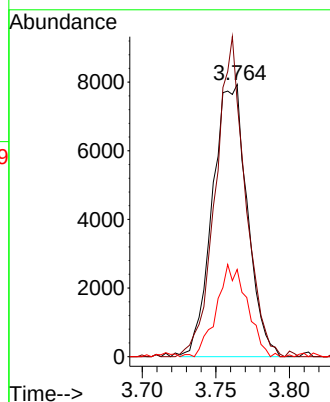
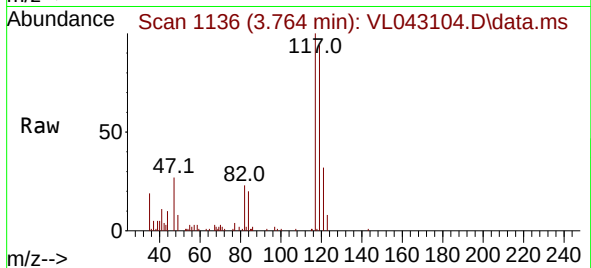
Ion	Ratio	Lower	Upper
117	100		
119	93.7	74.1	111.1
121	32.0	22.2	33.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#36

Benzene

Concen: 0.530 ppbv

RT: 3.654 min Scan# 1102

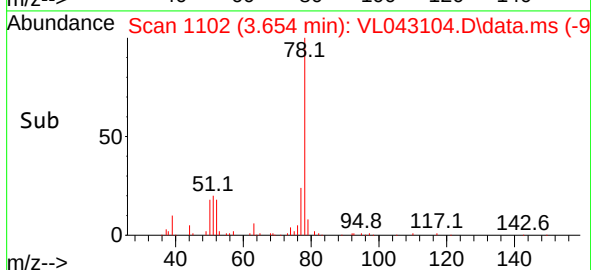
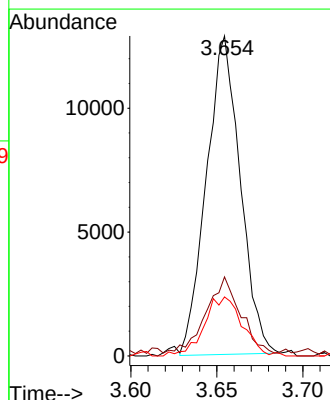
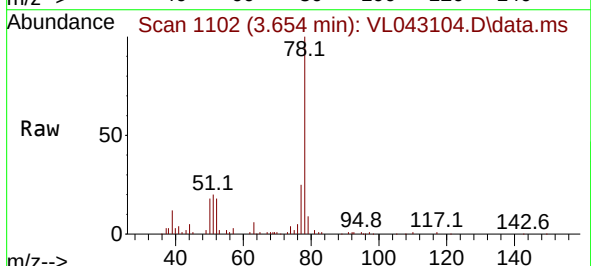
Delta R.T. -0.007 min

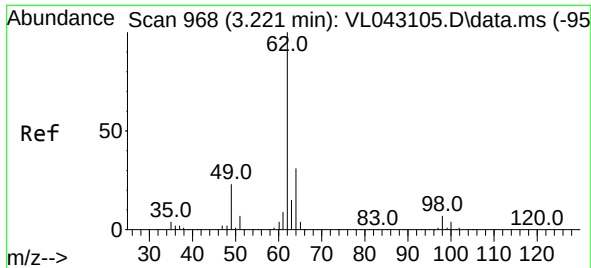
Lab File: VL043104.D

Acq: 14 Oct 2025 09:57

Tgt Ion: 78 Resp: 17573

Ion	Ratio	Lower	Upper
78	100		
77	23.1	17.0	25.6
50	17.9	14.6	22.0





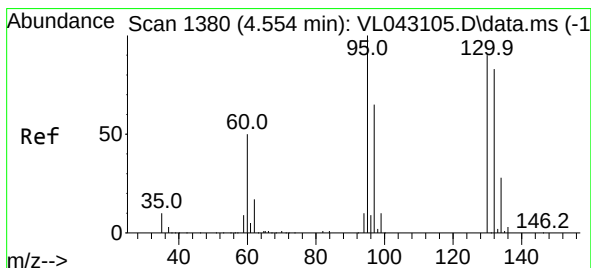
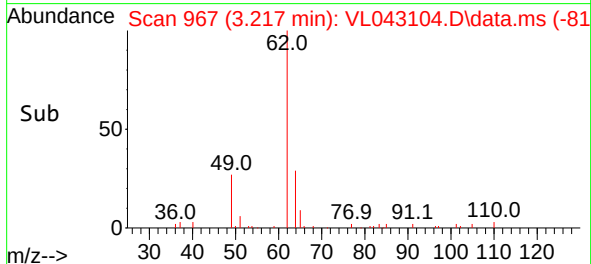
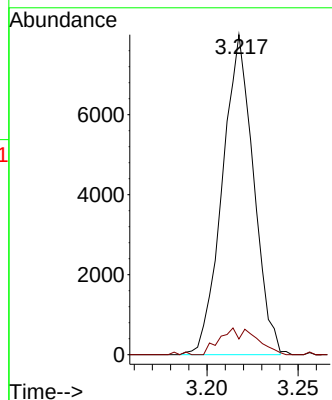
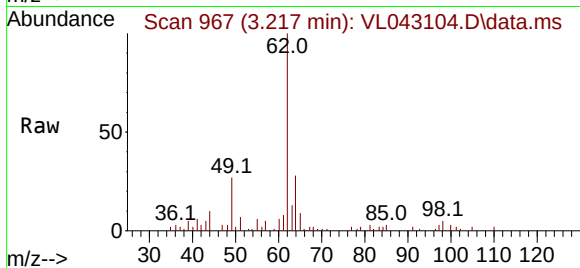
#37
1,2-Dichloroethane
Concen: 0.498 ppbv
RT: 3.217 min Scan# 951
Delta R.T. -0.003 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 62 Resp: 951
Ion Ratio Lower Upper
62 100
98 10.2 5.8 8.6

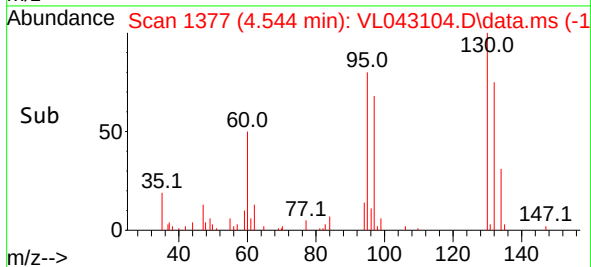
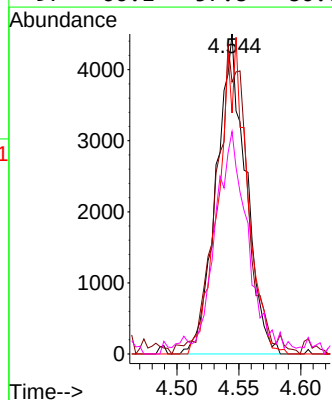
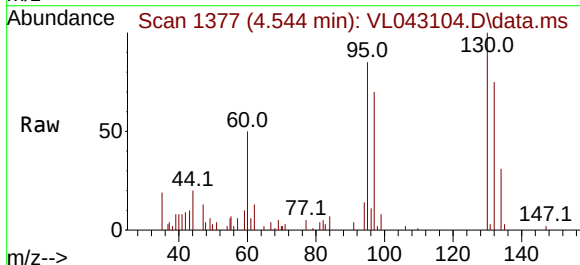
Manual Integrations
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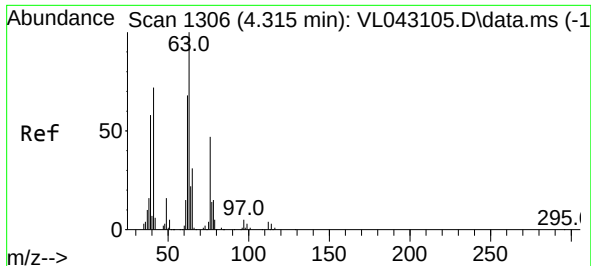
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#38
Trichloroethene
Concen: 0.538 ppbv
RT: 4.544 min Scan# 1377
Delta R.T. -0.010 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Tgt Ion:130 Resp: 7452
Ion Ratio Lower Upper
130 100
95 82.3 88.6 133.0#
132 75.3 73.4 110.0
97 66.1 57.8 86.6





#39

1,2-Dichloropropane

Concen: 0.573 ppbv

RT: 4.308 min Scan# 1306

Delta R.T. -0.007 min

Lab File: VL043104.D

Acq: 14 Oct 2025 09:57

Instrument :

MSVOA_L

ClientSampleId :

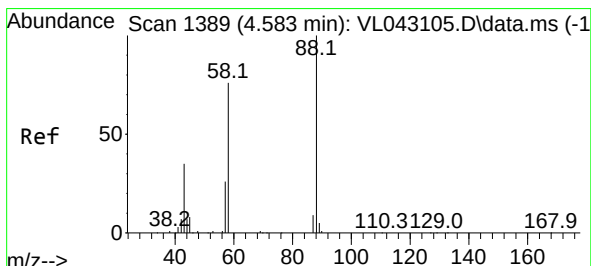
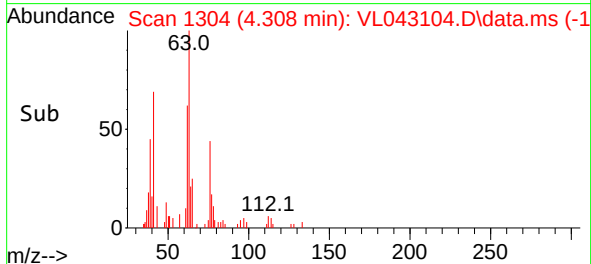
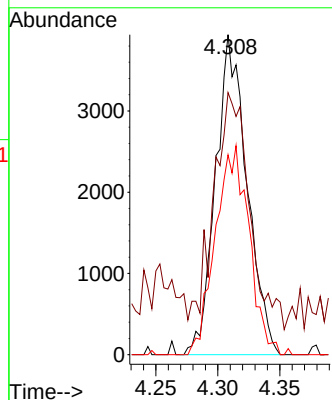
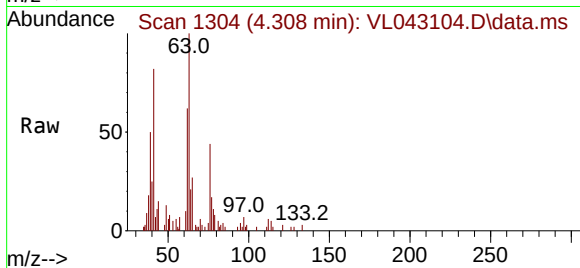
VSTDICC0.5

Tgt Ion:	63	Resp:	695
Ion	Ratio	Lower	Upper
63	100		
41	65.5	58.0	87.0
62	62.5	54.7	82.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#40

1,4-Dioxane

Concen: 0.569 ppbv m

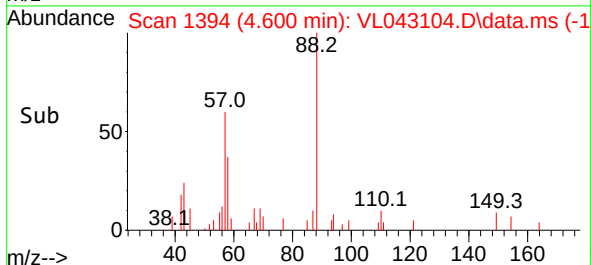
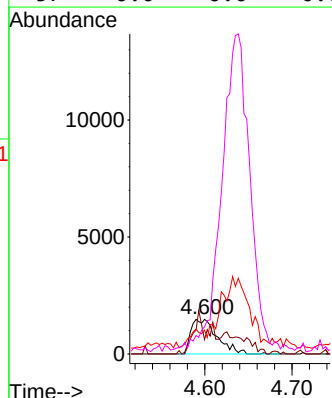
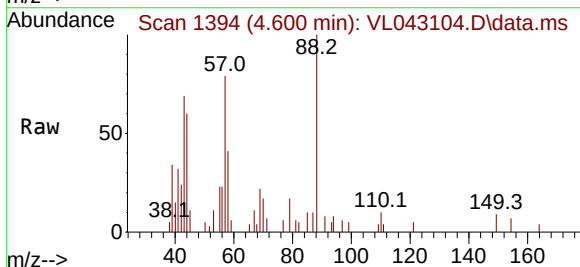
RT: 4.600 min Scan# 1394

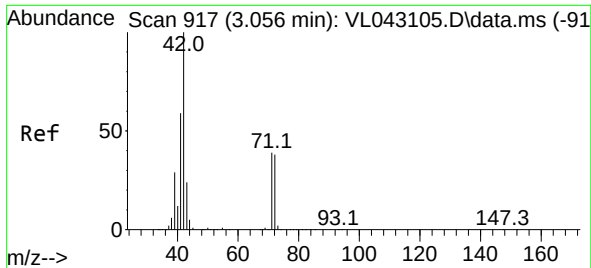
Delta R.T. 0.016 min

Lab File: VL043104.D

Acq: 14 Oct 2025 09:57

Tgt Ion:	88	Resp:	3090
Ion	Ratio	Lower	Upper
88	100		
58	130.2	61.1	91.7#
43	17.5	24.0	36.0#
57	0.0	0.0	0.0





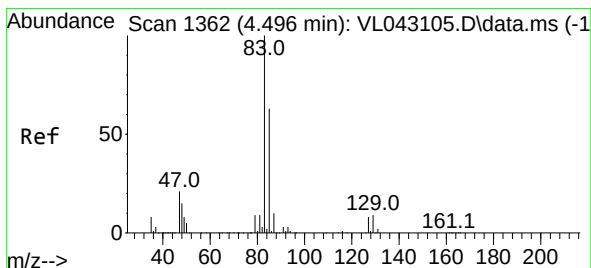
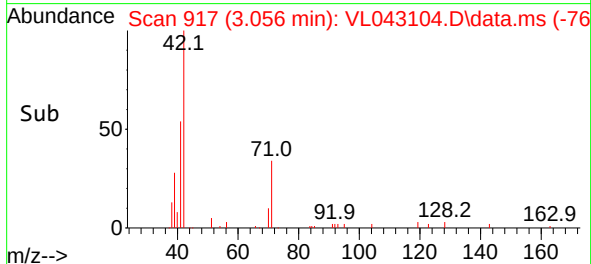
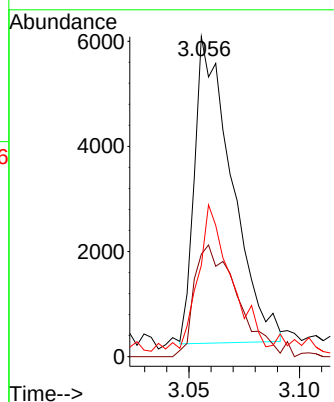
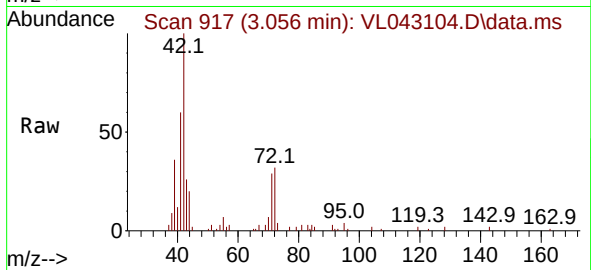
#41
Tetrahydrofuran
Concen: 0.512 ppbv
RT: 3.056 min Scan# 917
Delta R.T. -0.000 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 42 Resp: 6800
Ion Ratio Lower Upper
42 100
72 43.3 31.3 46.9
71 50.0 30.4 45.6

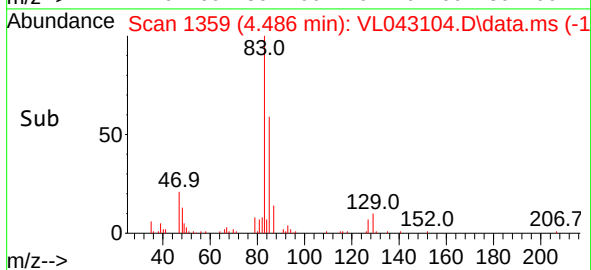
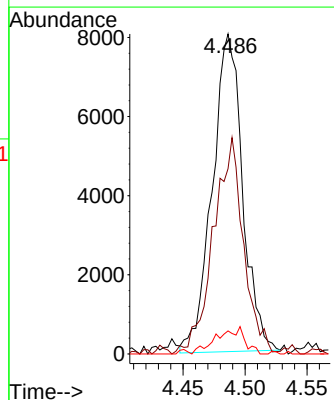
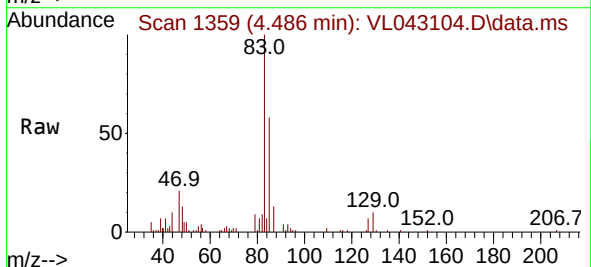
Manual Integrations
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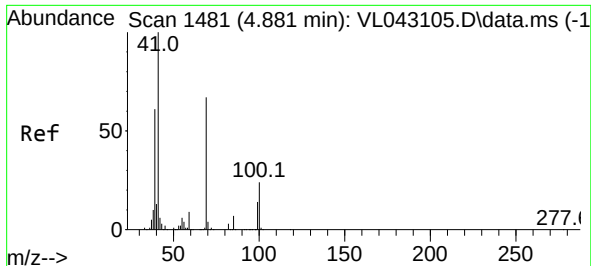
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#42
Bromodichloromethane
Concen: 0.518 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. -0.010 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

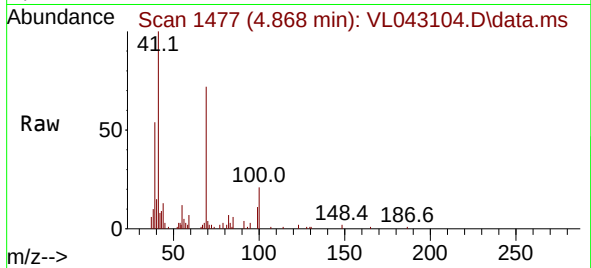
Tgt Ion: 83 Resp: 13704
Ion Ratio Lower Upper
83 100
85 57.8 50.6 75.8
127 7.3 6.3 9.5





#43
Methyl Methacrylate
Concen: 0.588 ppbv m
RT: 4.868 min Scan# 1477
Delta R.T. -0.013 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

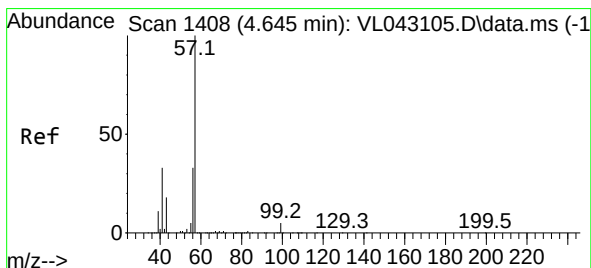
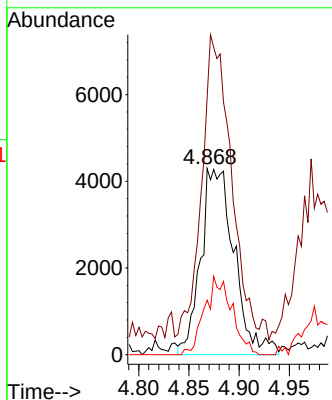
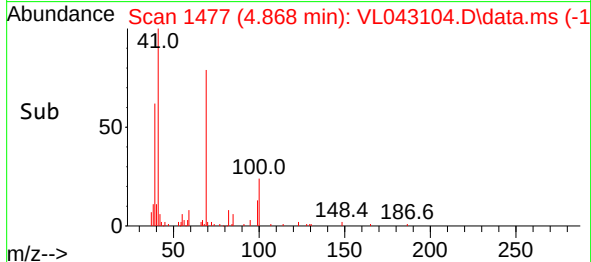
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 69 Resp: 9962
Ion Ratio Lower Upper
69 100
41 0.0 120.5 180.7
100 34.1 29.0 43.4

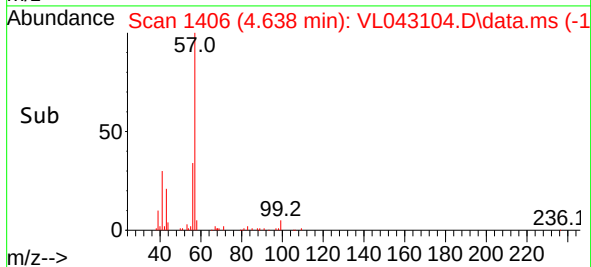
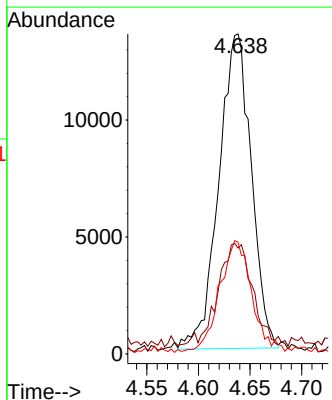
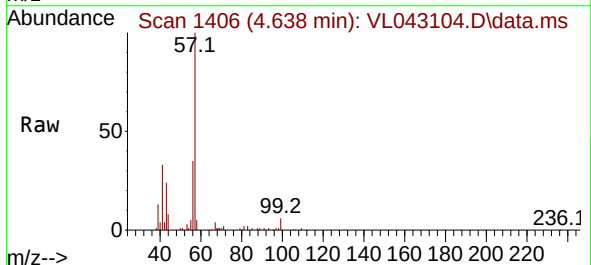
Manual Integrations
APPROVED

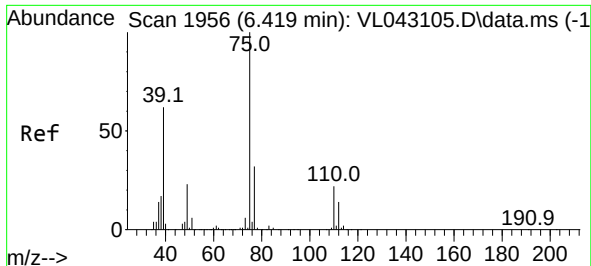
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#44
2,2,4-Trimethylpentane
Concen: 0.531 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.007 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Tgt Ion: 57 Resp: 29453
Ion Ratio Lower Upper
57 100
41 33.7 26.3 39.5
56 35.0 25.9 38.9





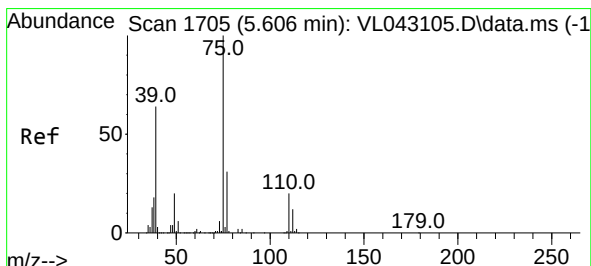
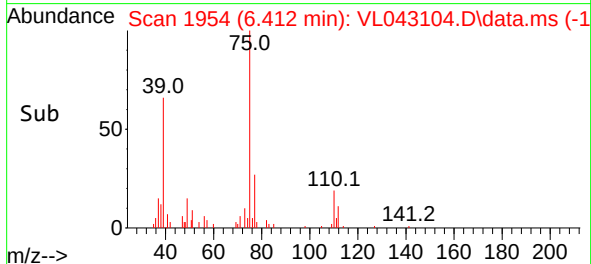
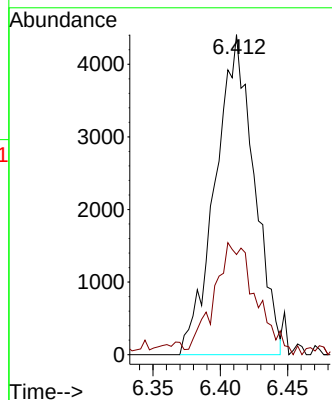
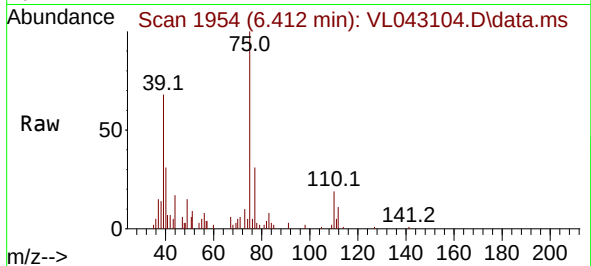
#45
 t-1,3-Dichloropropene
 Concen: 0.523 ppbv
 RT: 6.412 min Scan# 1956
 Delta R.T. -0.007 min
 Lab File: VL043104.D
 Acq: 14 Oct 2025 09:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 75 Resp: 884
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.2

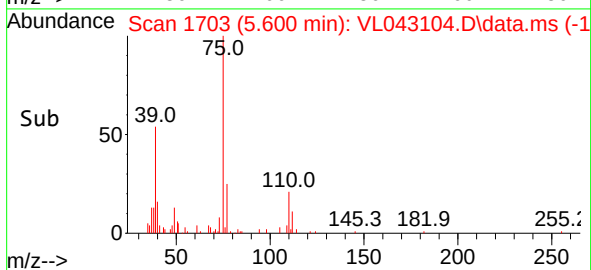
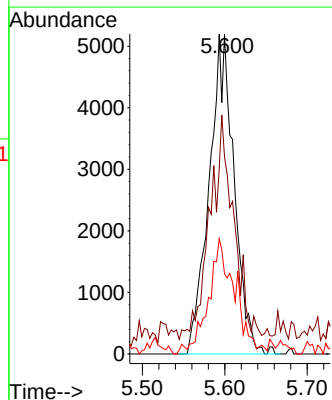
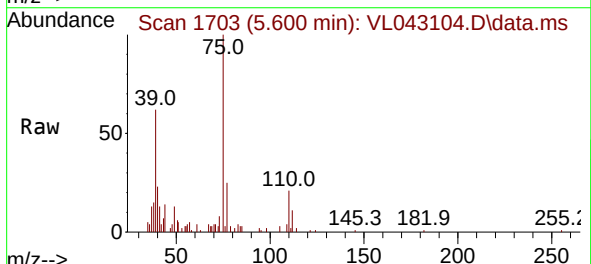
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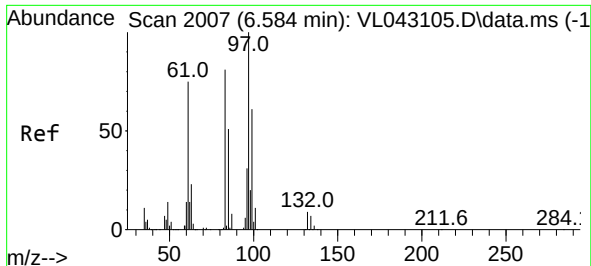
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025



#46
 cis-1,3-Dichloropropene
 Concen: 0.543 ppbv m
 RT: 5.600 min Scan# 1703
 Delta R.T. -0.007 min
 Lab File: VL043104.D
 Acq: 14 Oct 2025 09:57

Tgt Ion: 75 Resp: 10965
 Ion Ratio Lower Upper
 75 100
 39 61.5 51.0 76.6
 77 25.1 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 0.572 ppbv m

RT: 6.584 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VL043104.D

Acq: 14 Oct 2025 09:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

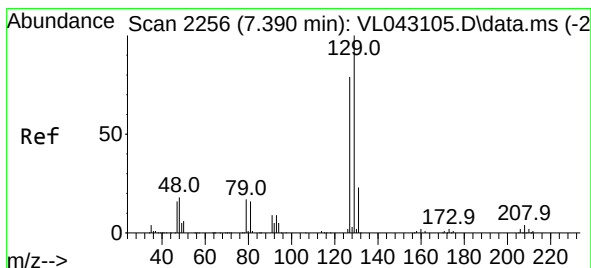
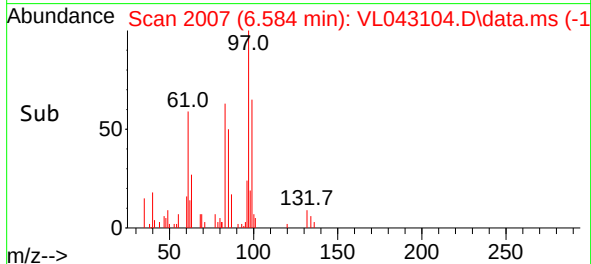
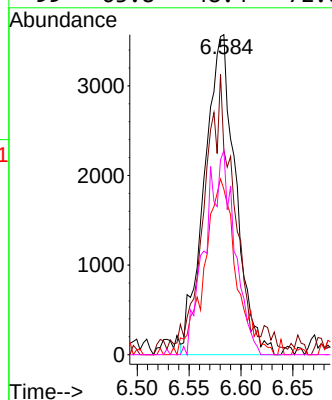
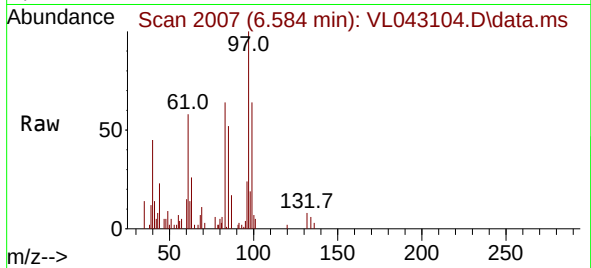
Tgt Ion: 97	Resp: 749
Ion Ratio	Lower Upper
97 100	
83 64.0	64.6 96.8
85 51.7	40.6 60.8
99 63.8	48.4 72.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#48

Dibromochloromethane

Concen: 0.535 ppbv m

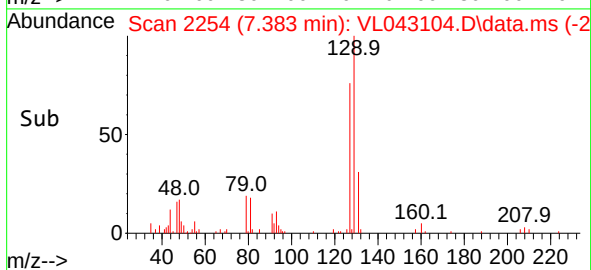
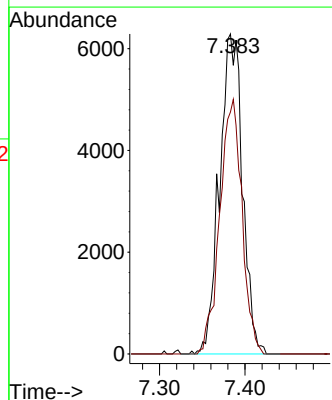
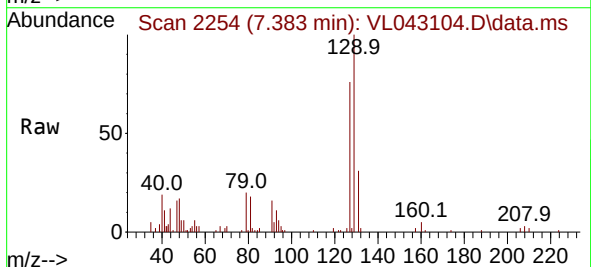
RT: 7.383 min Scan# 2254

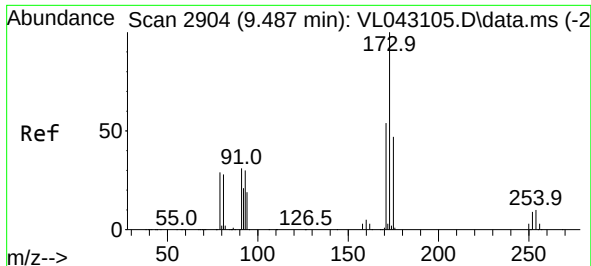
Delta R.T. -0.007 min

Lab File: VL043104.D

Acq: 14 Oct 2025 09:57

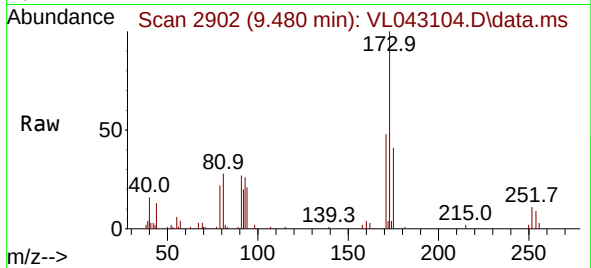
Tgt Ion:129	Resp: 11719
Ion Ratio	Lower Upper
129 100	
127 0.0	39.3 117.9#





#49
Bromoform
Concen: 0.532 ppbv
RT: 9.480 min Scan# 2904
Delta R.T. -0.007 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

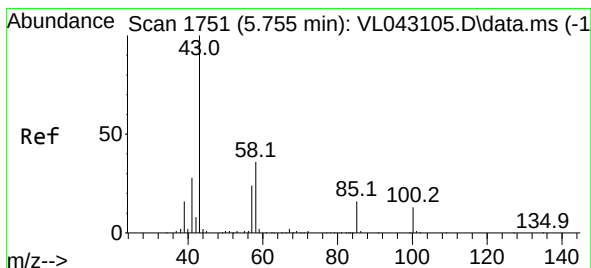
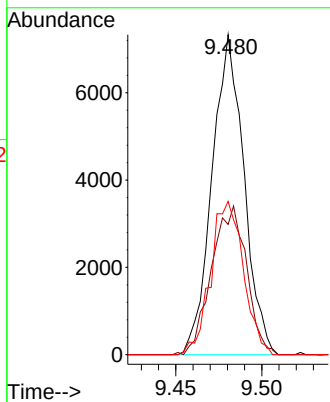
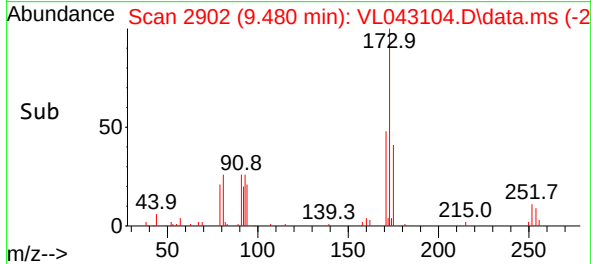
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:173 Resp: 9464
Ion Ratio Lower Upper
173 100
175 51.0 38.8 58.2
171 49.1 41.7 62.5

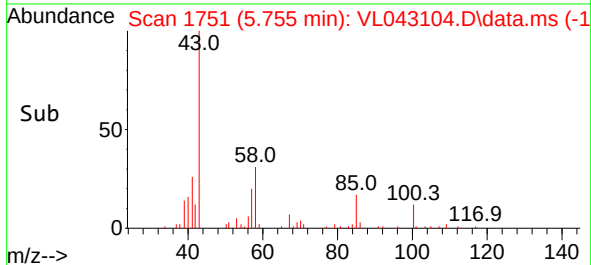
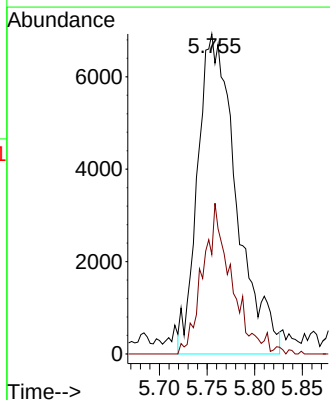
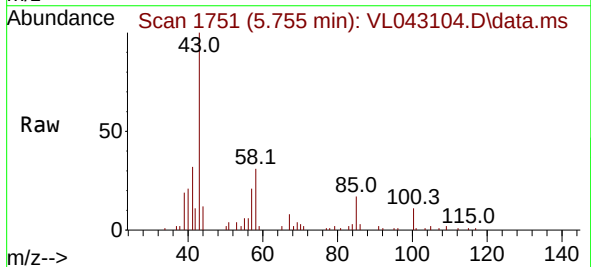
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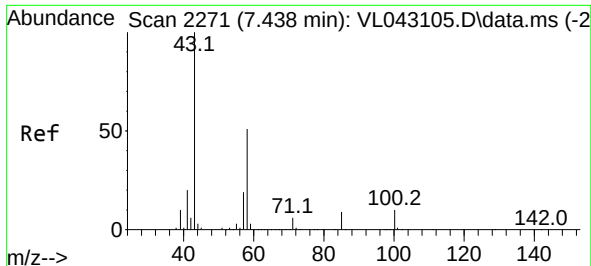
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#50
4-Methyl-2-Pentanone
Concen: 0.597 ppbv m
RT: 5.755 min Scan# 1751
Delta R.T. -0.000 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

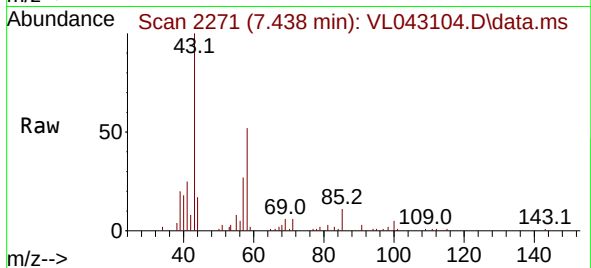
Tgt Ion: 43 Resp: 19617
Ion Ratio Lower Upper
43 100
58 35.3 29.1 43.7





#51
2-Hexanone
Concen: 0.562 ppbv m
RT: 7.438 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

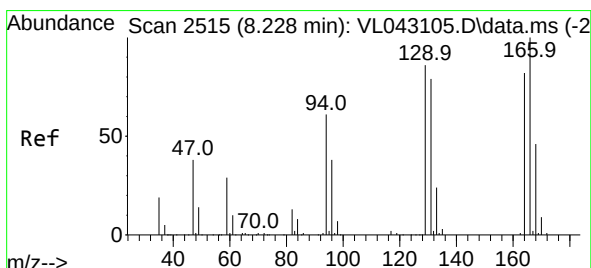
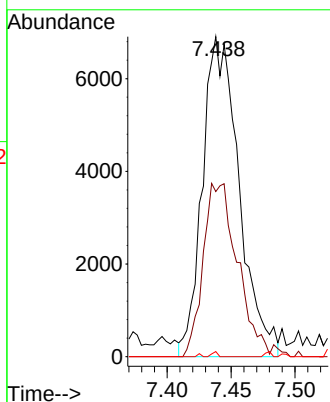
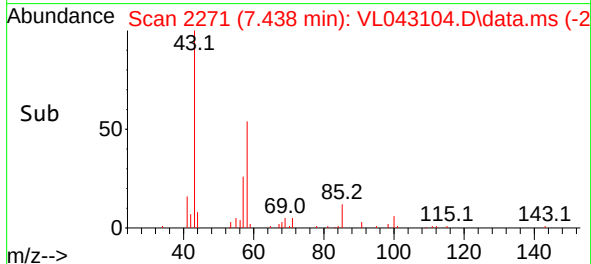
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 43 Resp: 1378
Ion Ratio Lower Upper
43 100
58 51.6 40.4 60.6
98 0.0 0.1 0.1

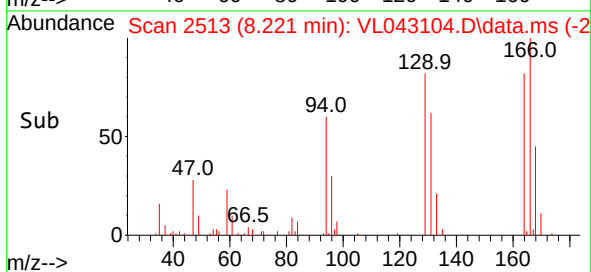
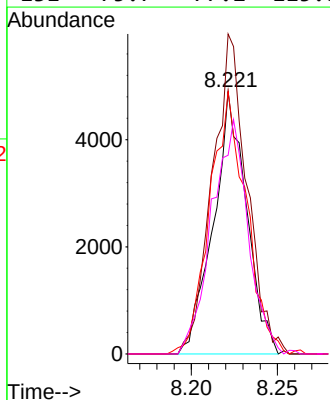
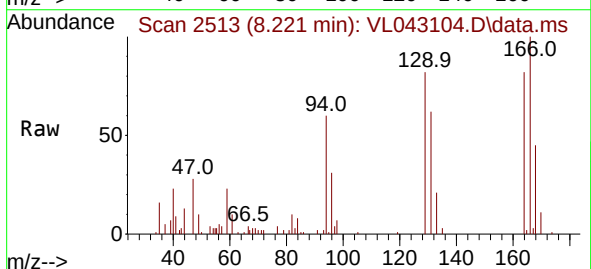
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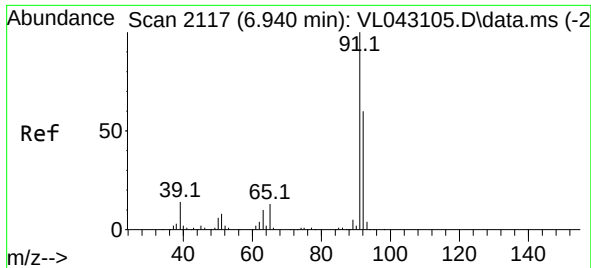
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#52
Tetrachloroethene
Concen: 0.547 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.007 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Tgt Ion:164 Resp: 6550
Ion Ratio Lower Upper
164 100
166 122.0 97.6 146.4
129 97.6 84.5 126.7
131 75.7 77.2 115.8





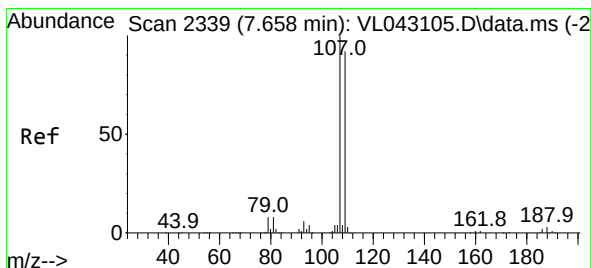
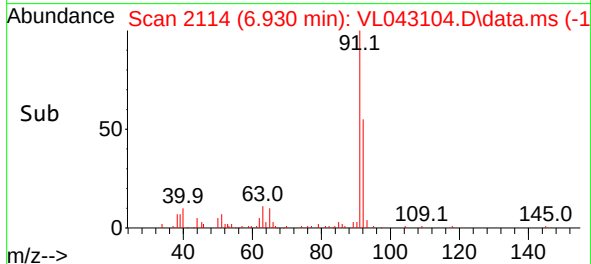
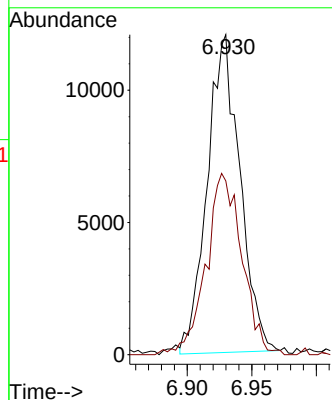
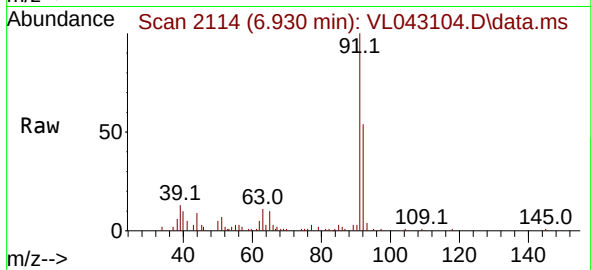
#53
Toluene
Concen: 0.537 ppbv
RT: 6.930 min Scan# 2115
Delta R.T. -0.010 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 2115
Ion Ratio Lower Upper
91 100
92 62.5 48.8 73.2

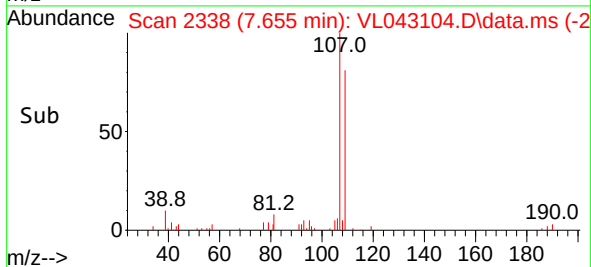
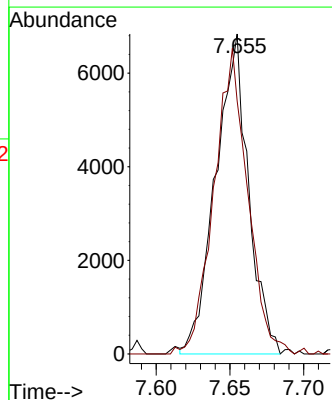
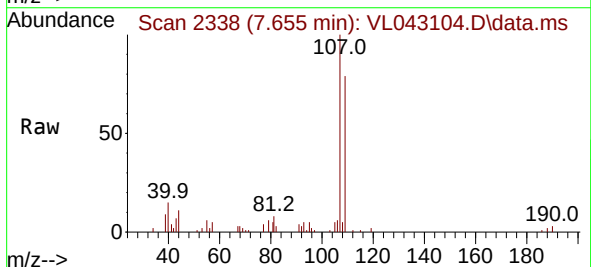
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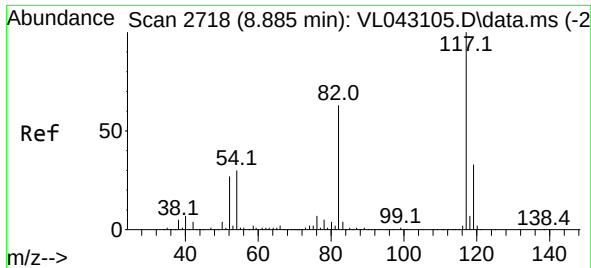
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#54
1,2-Dibromoethane
Concen: 0.511 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.003 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

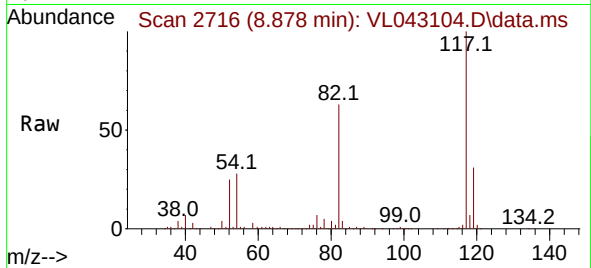
Tgt Ion:107 Resp: 10558
Ion Ratio Lower Upper
107 100
109 77.7 73.4 110.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.007 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

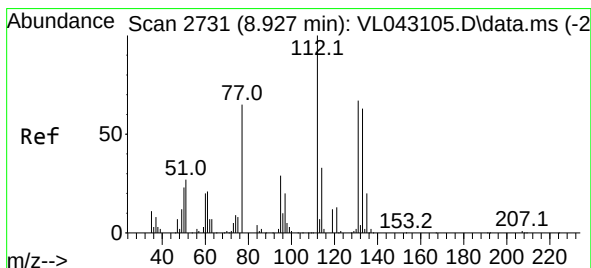
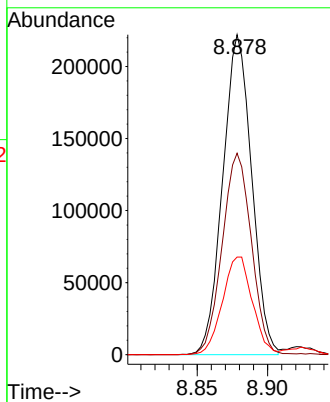
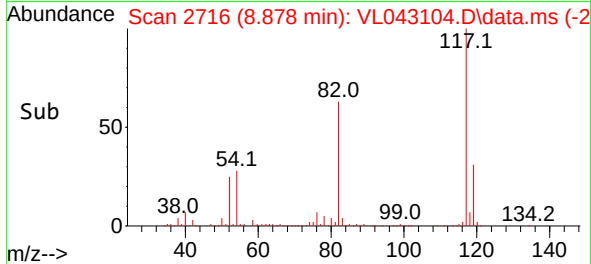
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:117 Resp: 317750
Ion Ratio Lower Upper
117 100
82 63.7 53.8 80.8
119 32.0 25.4 38.0

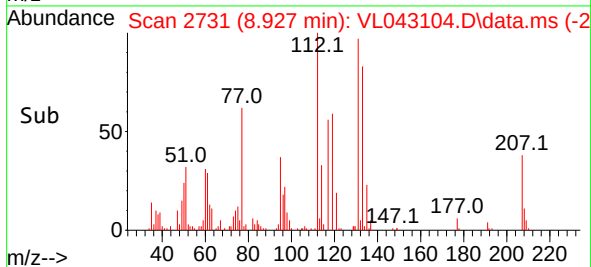
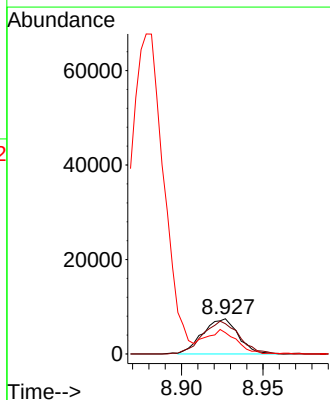
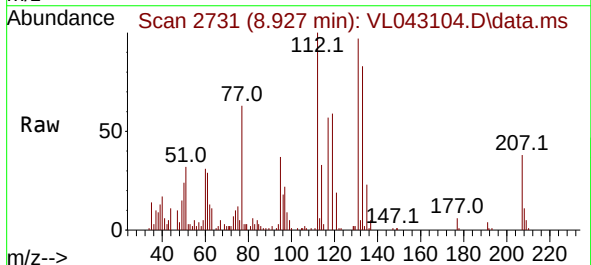
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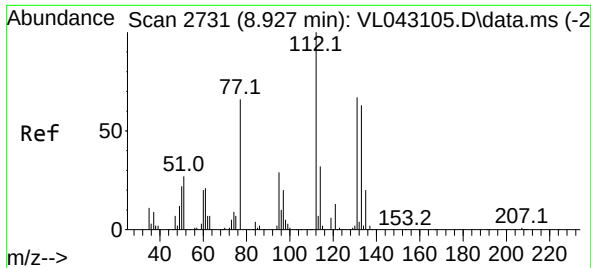
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.562 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Tgt Ion:131 Resp: 11265
Ion Ratio Lower Upper
131 100
133 96.9 75.7 113.5
119 953.3 50.6 76.0#





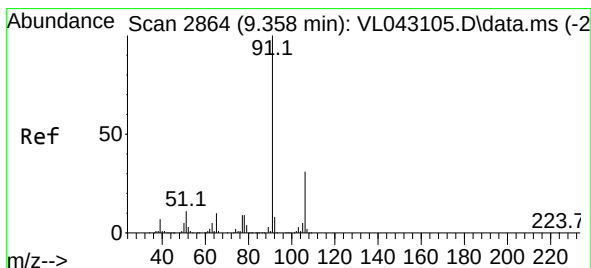
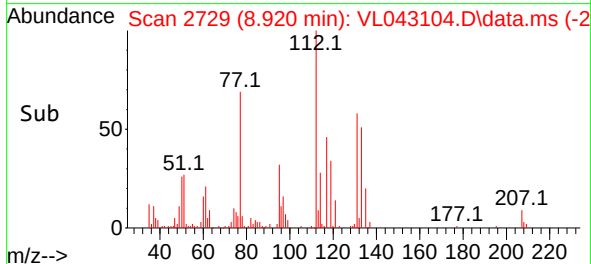
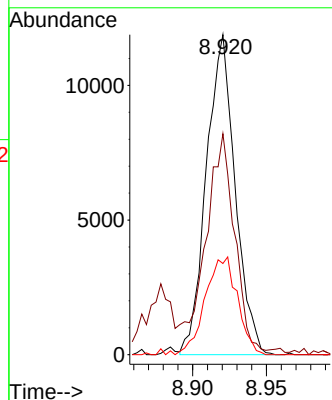
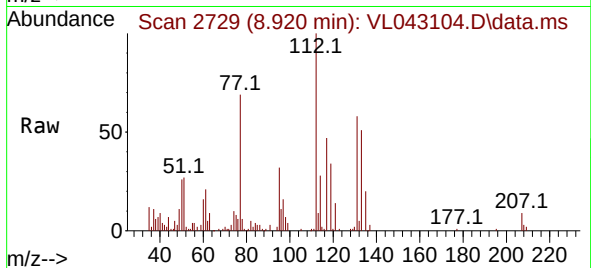
#57
Chlorobenzene
Concen: 0.543 ppbv
RT: 8.920 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:112 Resp: 1614
Ion Ratio Lower Upper
112 100
77 67.0 53.3 79.9
114 30.0 29.3 35.8

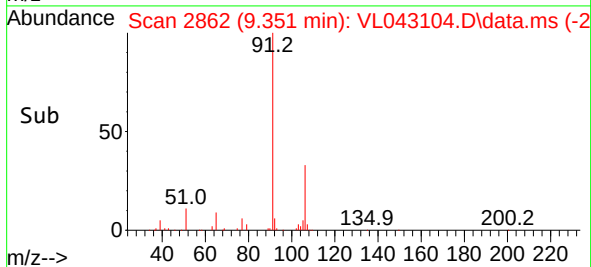
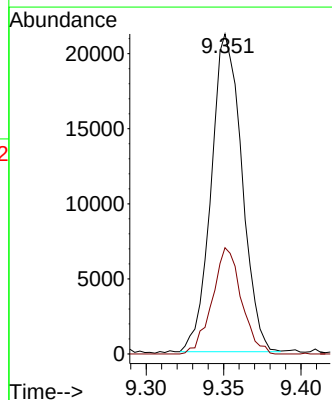
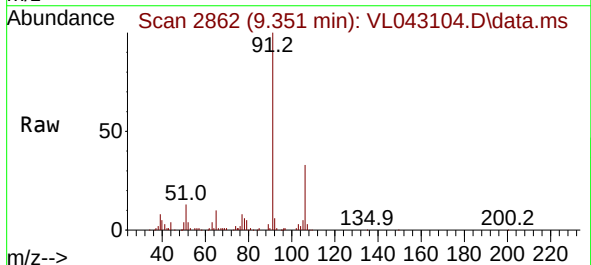
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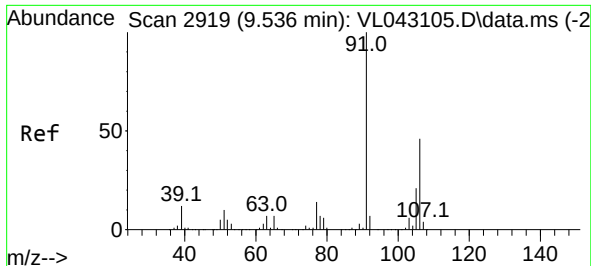
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#58
Ethyl Benzene
Concen: 0.530 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.007 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Tgt Ion: 91 Resp: 29140
Ion Ratio Lower Upper
91 100
106 33.4 24.8 37.2





#59

m/p-Xylene

Concen: 1.086 ppbv m

RT: 9.548 min Scan# 2919

Delta R.T. 0.013 min

Lab File: VL043104.D

Acq: 14 Oct 2025 09:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 91 Resp: 4727

Ion Ratio Lower Upper

91 100

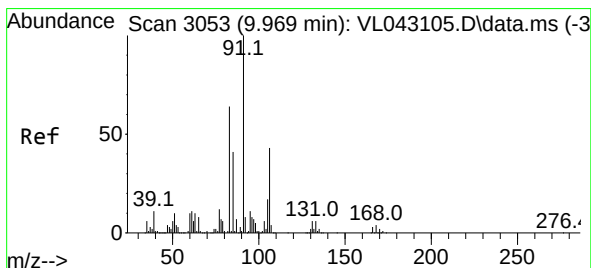
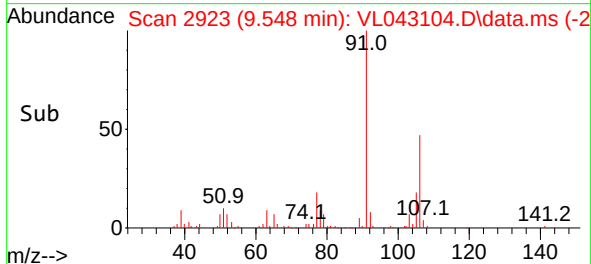
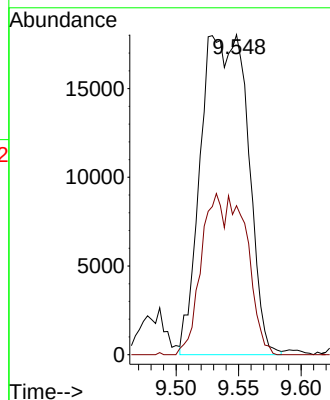
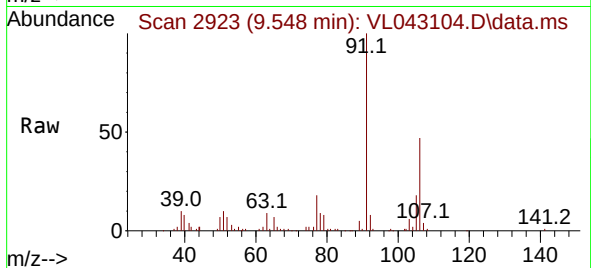
106 47.4 38.0 57.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#60

o-Xylene

Concen: 0.561 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.007 min

Lab File: VL043104.D

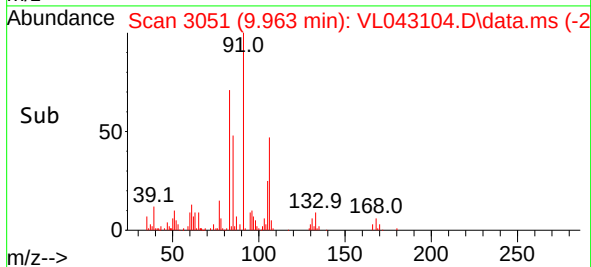
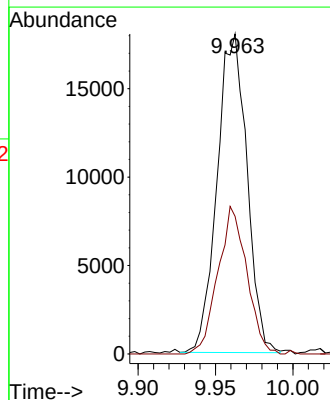
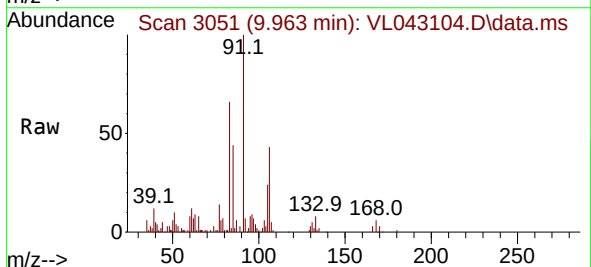
Acq: 14 Oct 2025 09:57

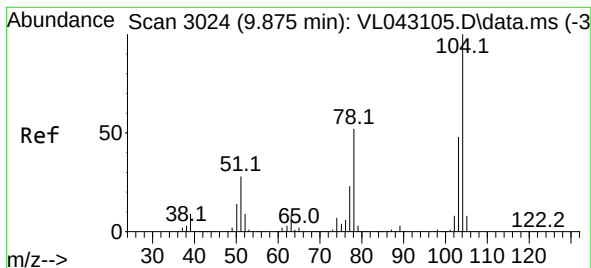
Tgt Ion: 91 Resp: 24082

Ion Ratio Lower Upper

91 100

106 45.1 21.9 65.8





#61

Styrene

Concen: 0.552 ppbv

RT: 9.869 min Scan# 3024

Delta R.T. -0.007 min

Lab File: VL043104.D

Acq: 14 Oct 2025 09:57

Instrument :

MSVOA_L

ClientSampleId :

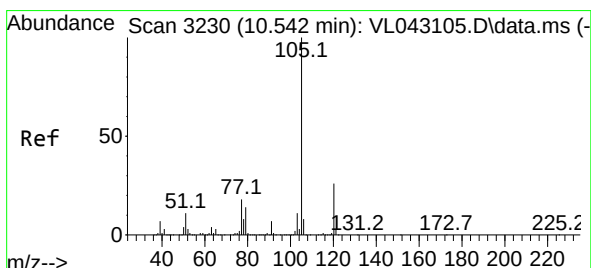
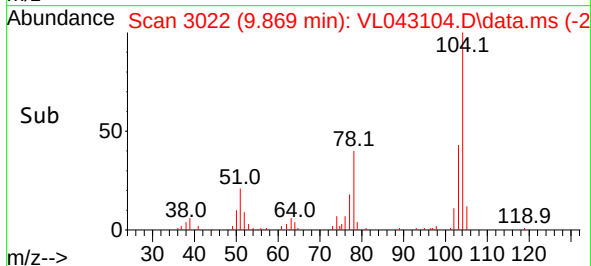
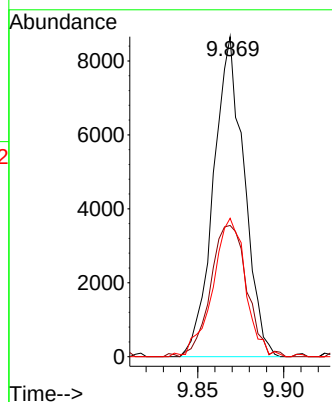
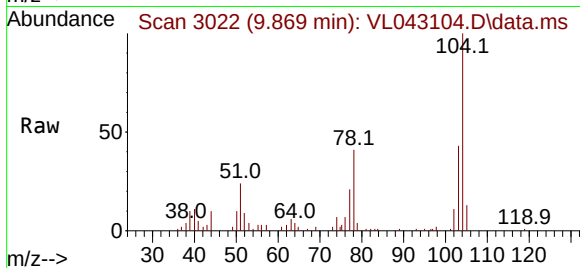
VSTDICC0.5

Tgt Ion:104	Resp:	10700
Ion Ratio	Lower	Upper
104	100	
78	48.7	40.2 60.2
103	46.3	36.9 55.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#62

Isopropylbenzene

Concen: 0.540 ppbv

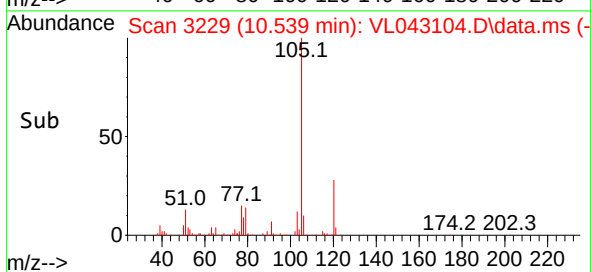
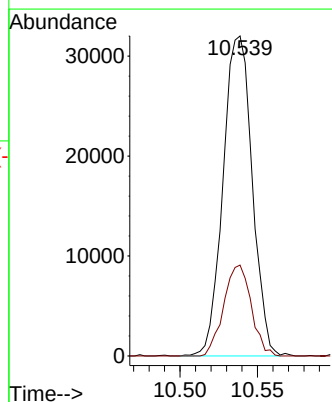
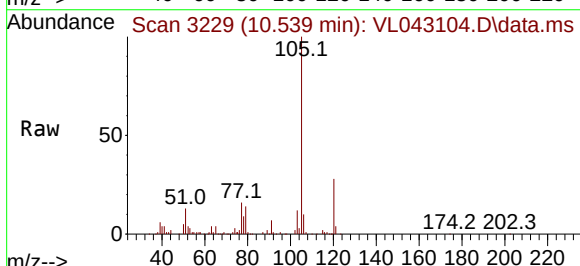
RT: 10.539 min Scan# 3229

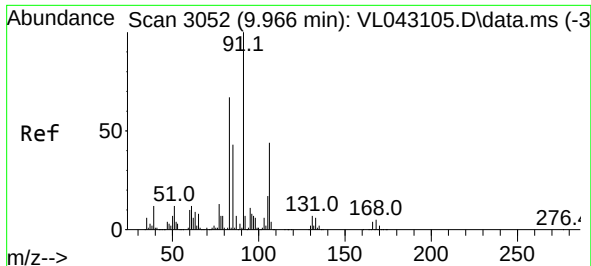
Delta R.T. -0.003 min

Lab File: VL043104.D

Acq: 14 Oct 2025 09:57

Tgt Ion:105	Resp:	41917
Ion Ratio	Lower	Upper
105	100	
120	26.8	20.2 30.4





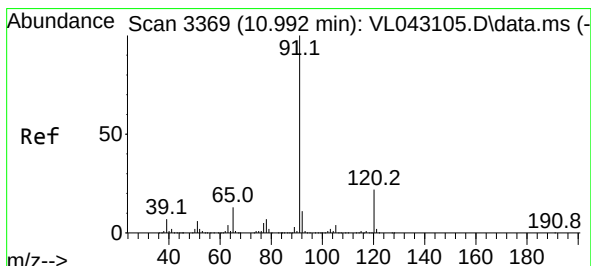
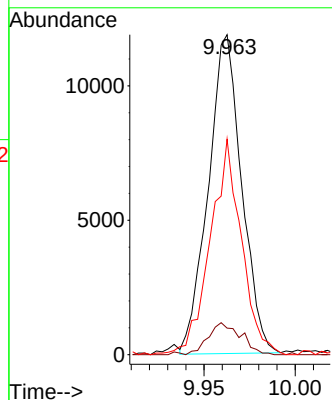
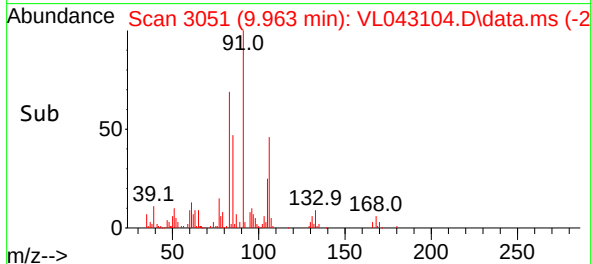
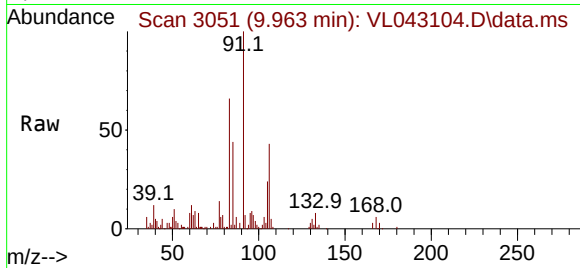
#63
1,1,2,2-Tetrachloroethane
Concen: 0.527 ppbv
RT: 9.963 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 83 Resp: 15149
Ion Ratio Lower Upper
83 100
131 10.1 4.8 14.3
85 63.2 32.0 96.0

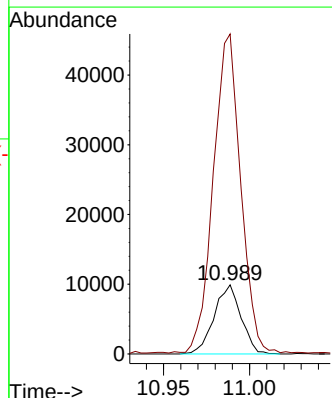
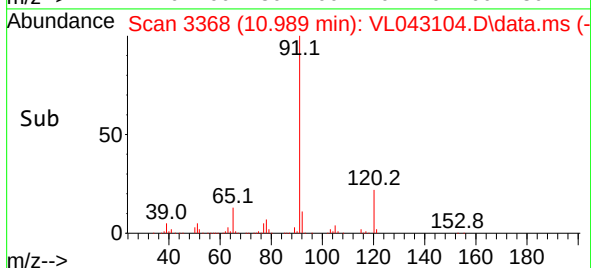
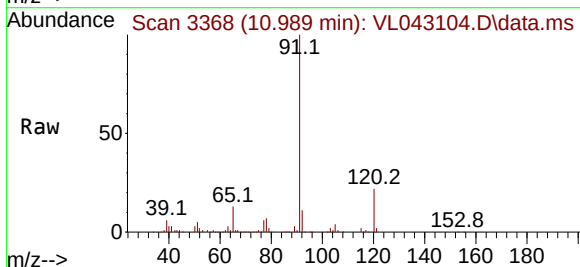
Manual Integrations
APPROVED

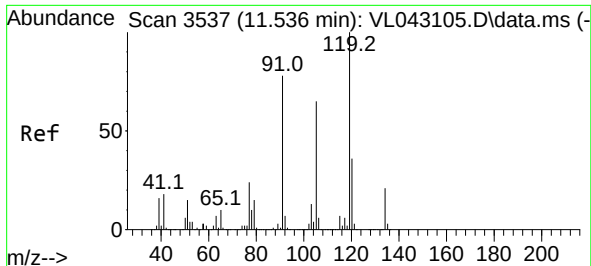
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#64
n-propylbenzene
Concen: 0.524 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.003 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Tgt Ion:120 Resp: 10775
Ion Ratio Lower Upper
120 100
91 471.4 361.6 542.4





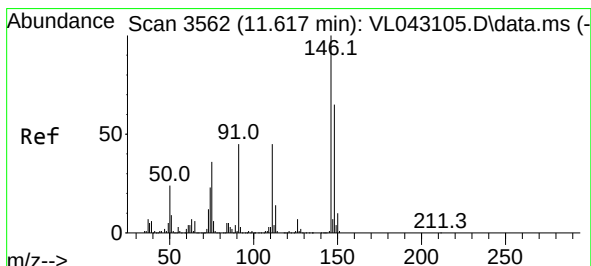
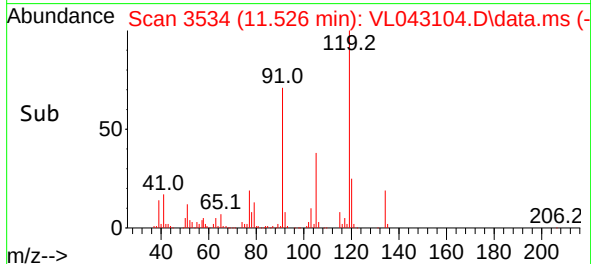
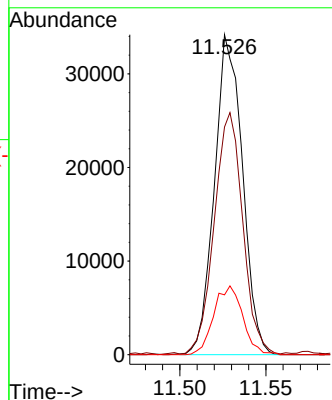
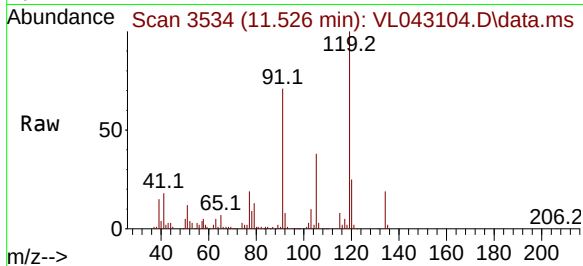
#65
tert-Butylbenzene
Concen: 0.565 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.010 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 119 Resp: 3870
Ion Ratio Lower Upper
119 100
91 76.5 63.4 95.0
134 22.2 17.3 25.9

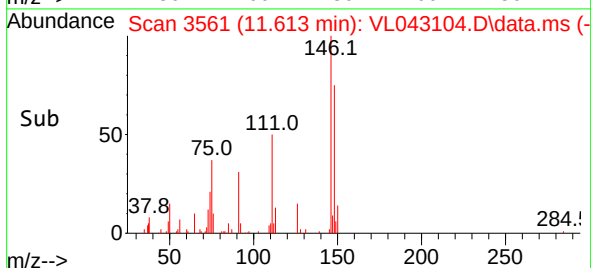
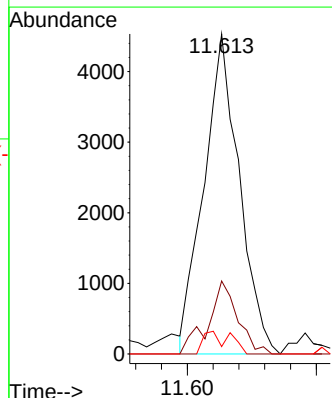
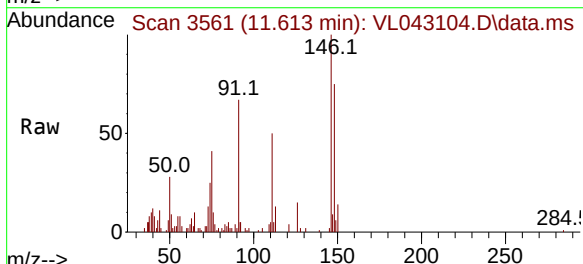
Manual Integrations
APPROVED

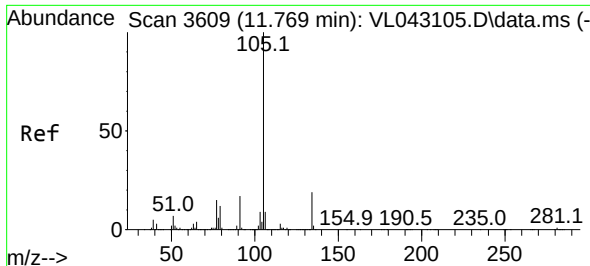
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#66
Benzyl Chloride
Concen: 0.565 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Tgt Ion: 91 Resp: 4324
Ion Ratio Lower Upper
91 100
126 19.0 14.6 22.0
128 5.3 4.6 6.8





#67

sec-Butylbenzene

Concen: 0.571 ppbv

RT: 11.765 min Scan# 3609

Delta R.T. -0.003 min

Lab File: VL043104.D

Acq: 14 Oct 2025 09:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:105 Resp: 5559

Ion Ratio Lower Upper

105 100

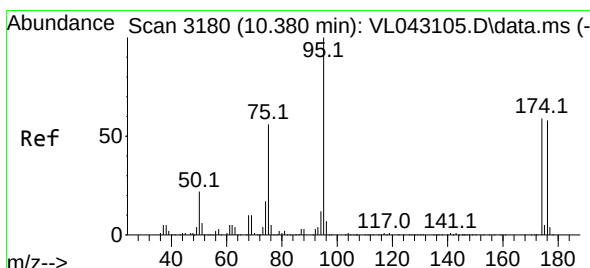
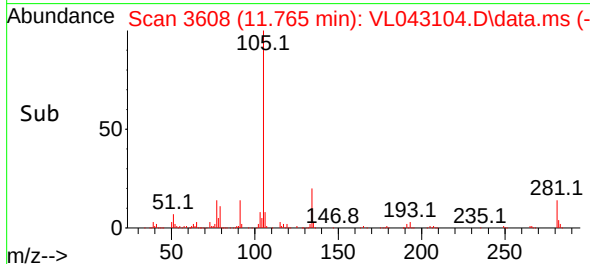
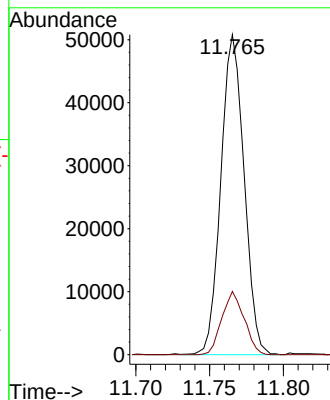
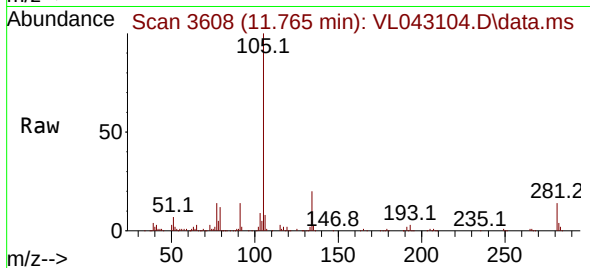
134 19.0 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.965 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.007 min

Lab File: VL043104.D

Acq: 14 Oct 2025 09:57

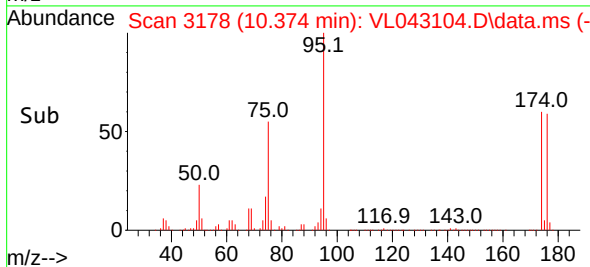
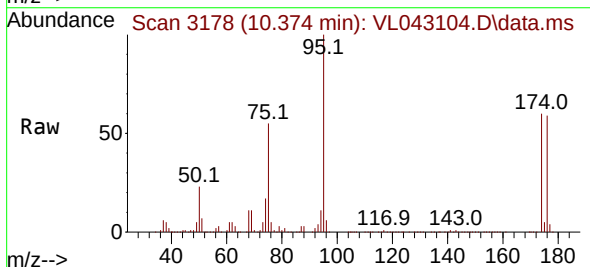
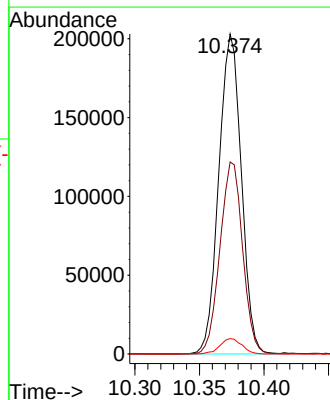
Tgt Ion: 95 Resp: 246121

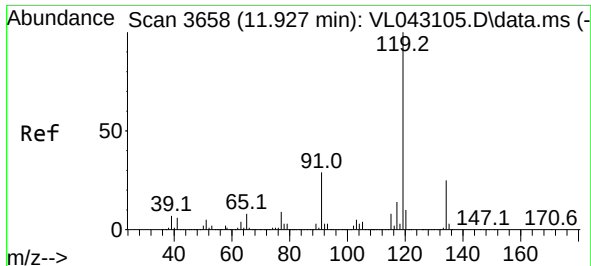
Ion Ratio Lower Upper

95 100

174 60.4 48.3 72.5

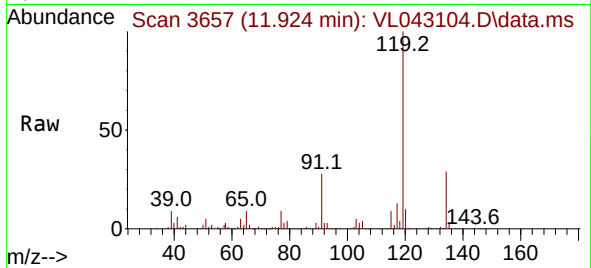
175 4.7 3.8 5.8





#69
p-Isopropyltoluene
Concen: 0.546 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.003 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

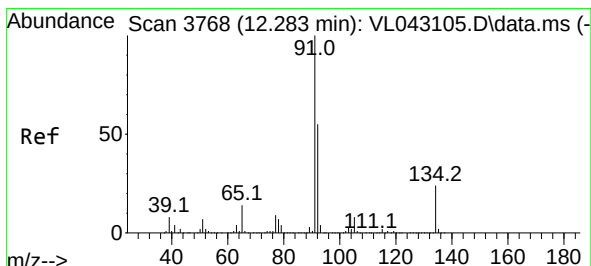
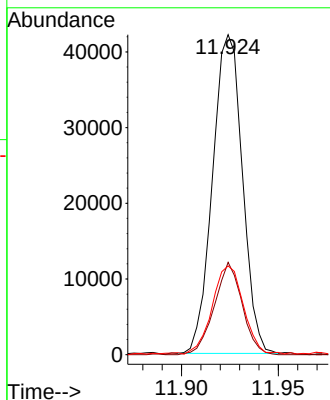
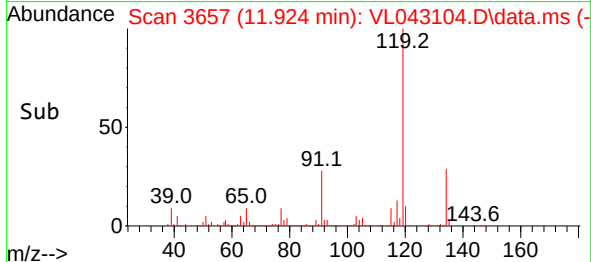
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



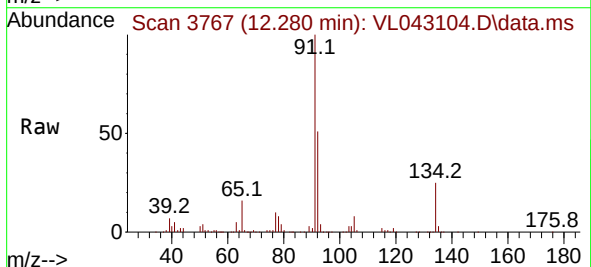
Tgt Ion: 119 Resp: 45125
Ion Ratio Lower Upper
119 100
134 27.0 20.3 30.5
91 29.4 22.6 33.8

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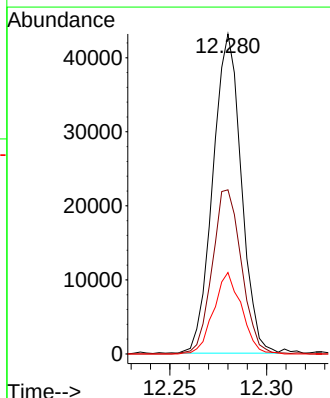
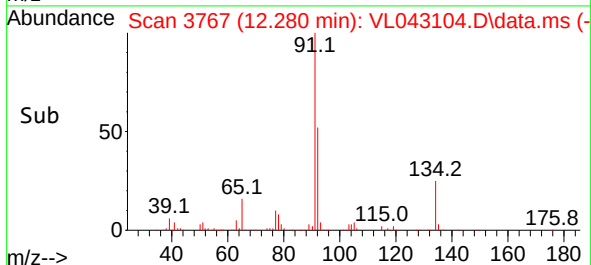
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

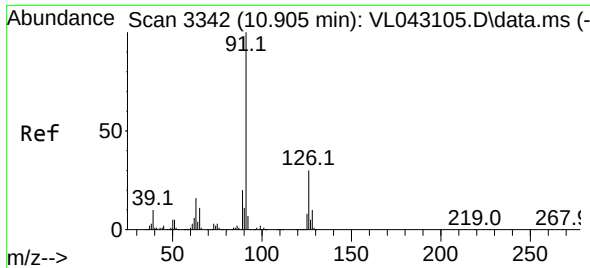


#70
n-Butylbenzene
Concen: 0.539 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.003 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57



Tgt Ion: 91 Resp: 43906
Ion Ratio Lower Upper
91 100
92 53.1 44.5 66.7
134 25.1 19.3 28.9





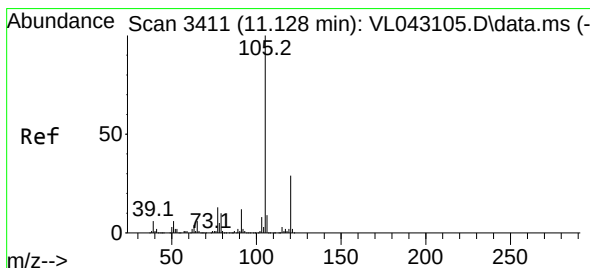
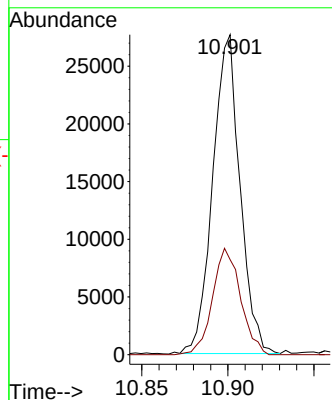
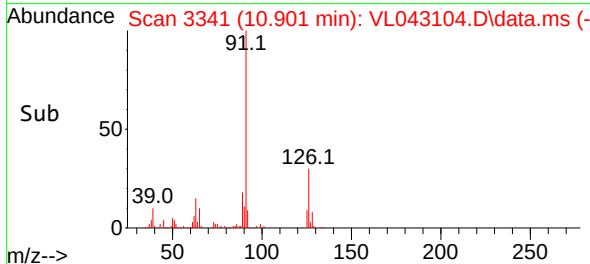
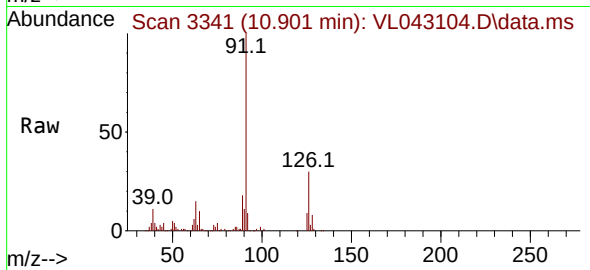
#71
2-Chlorotoluene
Concen: 0.514 ppbv
RT: 10.901 min Scan# 3100
Delta R.T. -0.003 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 3043
Ion Ratio Lower Upper
91 100
126 34.3 12.0 48.0

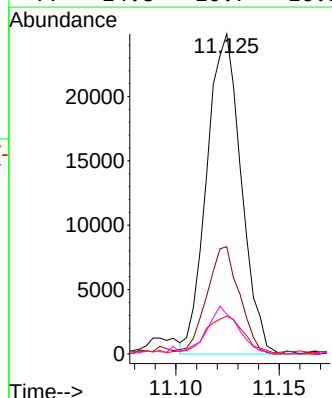
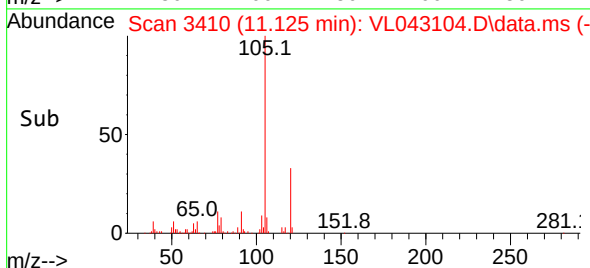
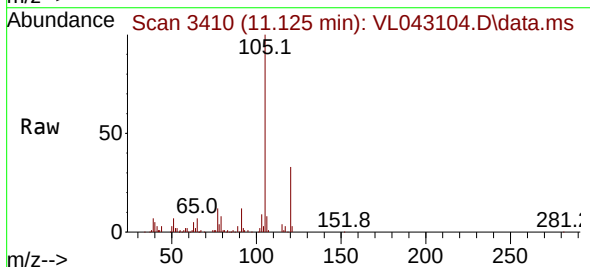
Manual Integrations
APPROVED

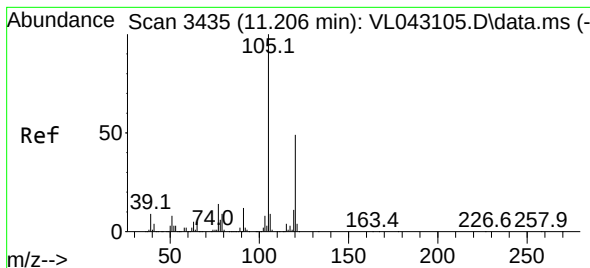
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#72
4-Ethyltoluene
Concen: 0.545 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.003 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Tgt Ion:105 Resp: 28796
Ion Ratio Lower Upper
105 100
120 33.3 24.2 36.4
91 13.1 10.0 15.0
77 14.8 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 0.553 ppbv

RT: 11.202 min Scan# 3435

Delta R.T. -0.003 min

Lab File: VL043104.D

Acq: 14 Oct 2025 09:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 24080

Ion Ratio Lower Upper

105 100

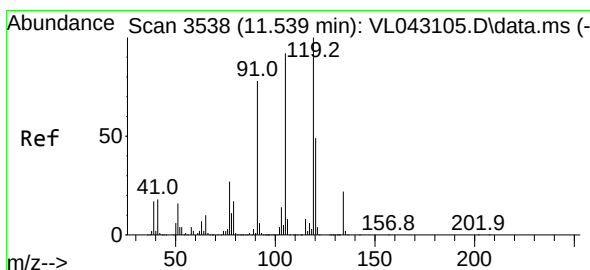
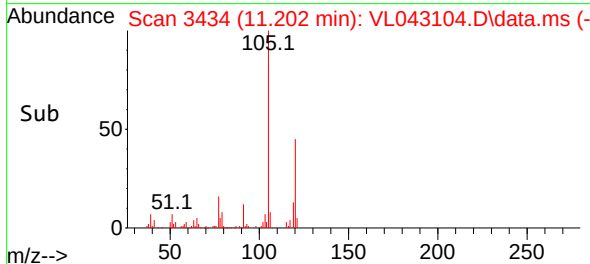
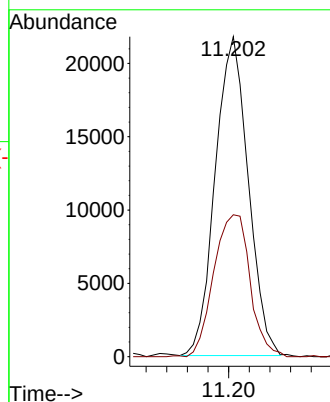
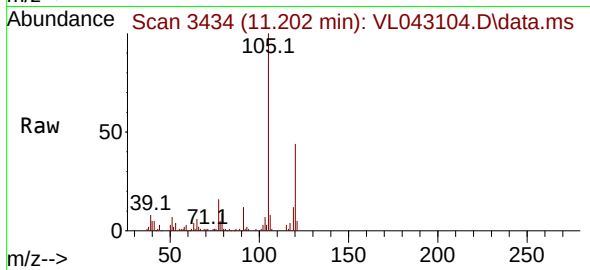
120 44.2 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.552 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.007 min

Lab File: VL043104.D

Acq: 14 Oct 2025 09:57

Tgt Ion:105 Resp: 26922

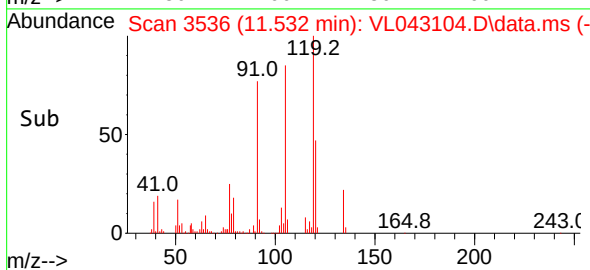
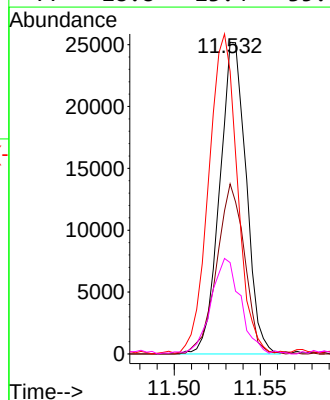
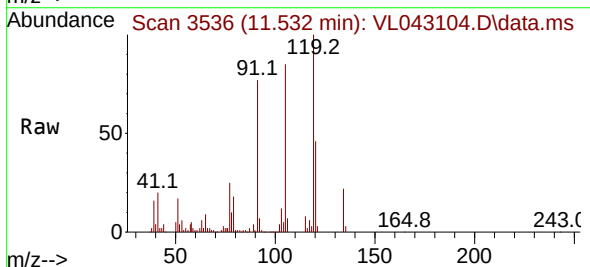
Ion Ratio Lower Upper

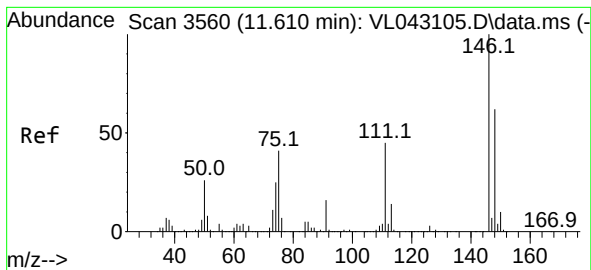
105 100

120 54.3 42.8 64.2

91 90.1 68.3 102.5

77 28.8 23.4 35.0





#75

1,3-Dichlorobenzene

Concen: 0.559 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. -0.003 min

Lab File: VL043104.D

Acq: 14 Oct 2025 09:57

Instrument :

MSVOA_L

ClientSampleId :

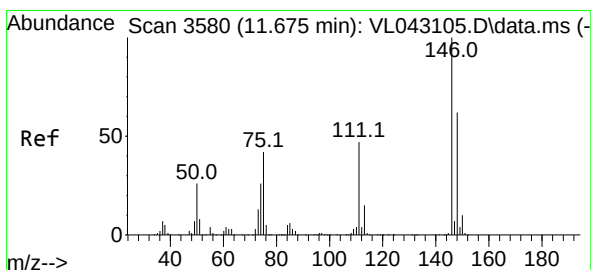
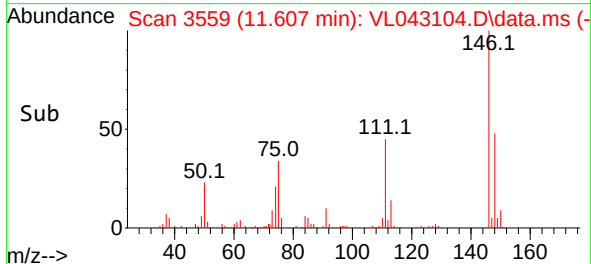
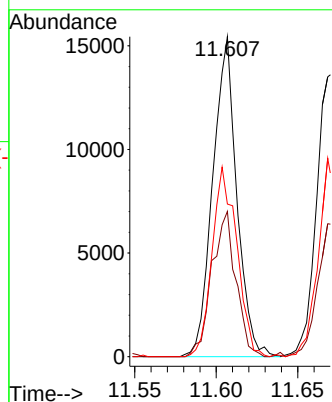
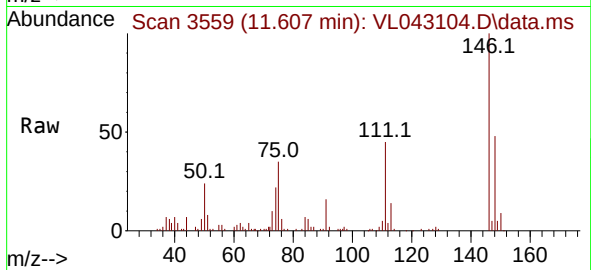
VSTDIC0.5

Tgt Ion:146	Resp:	15810
Ion Ratio	Lower	Upper
146	100	
111	45.5	23.3 69.9
148	61.2	31.6 95.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#76

1,4-Dichlorobenzene

Concen: 0.544 ppbv

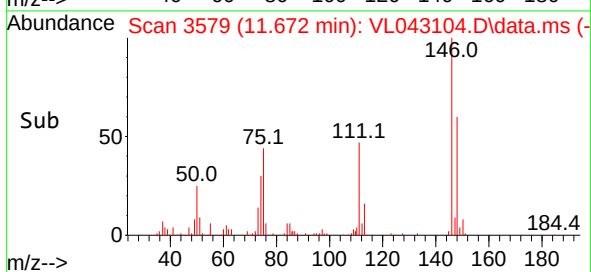
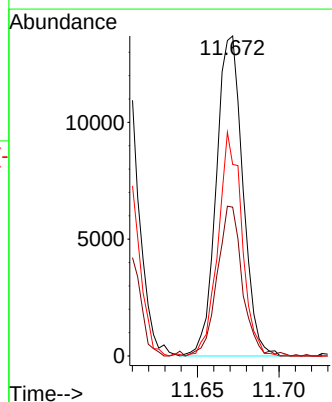
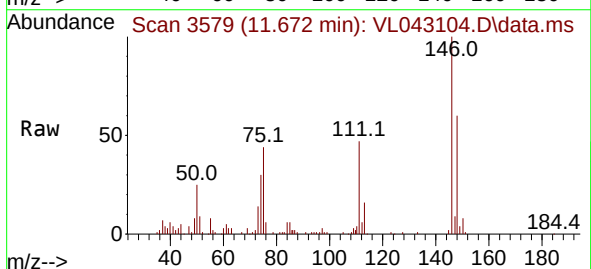
RT: 11.672 min Scan# 3579

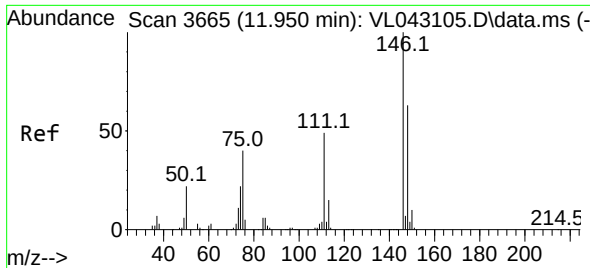
Delta R.T. -0.003 min

Lab File: VL043104.D

Acq: 14 Oct 2025 09:57

Tgt Ion:146	Resp:	15517
Ion Ratio	Lower	Upper
146	100	
111	44.5	22.4 67.0
148	62.5	31.6 94.7





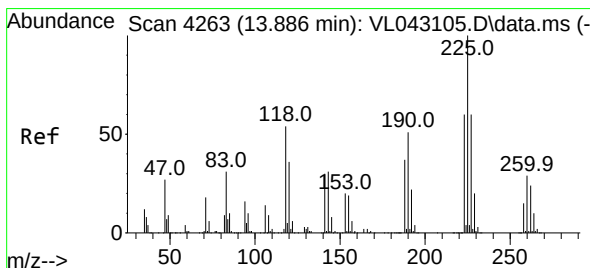
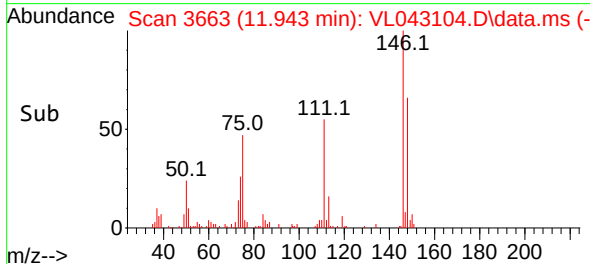
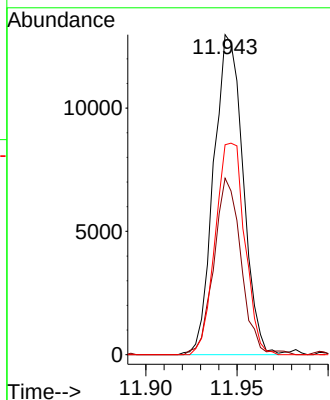
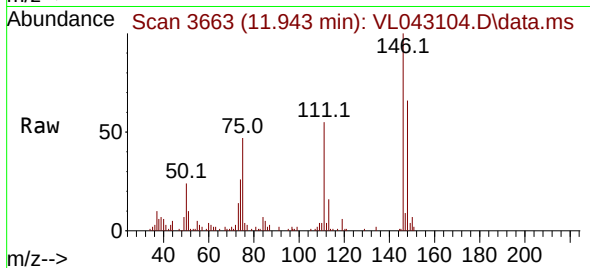
#77
1,2-Dichlorobenzene
Concen: 0.530 ppbv
RT: 11.943 min Scan# 3663
Delta R.T. -0.007 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 14510
Ion Ratio Lower Upper
146 100
111 51.1 24.0 72.0
148 66.4 31.1 93.3

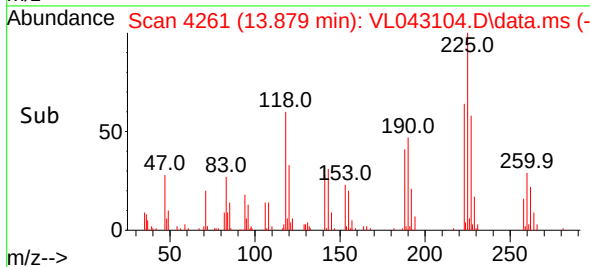
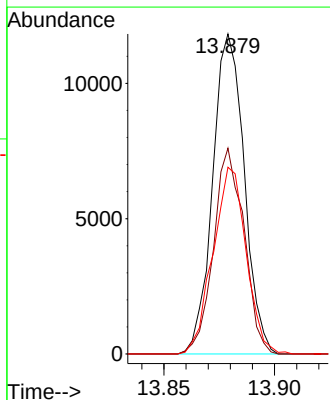
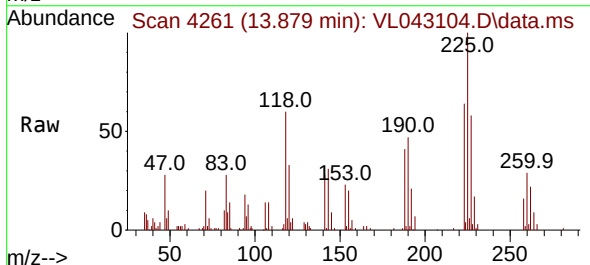
Manual Integrations
APPROVED

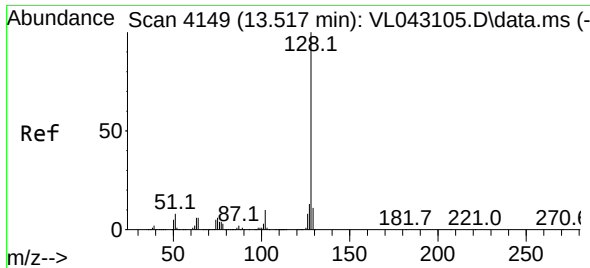
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#78
Hexachloro-1,3-Butadiene
Concen: 0.554 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.007 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

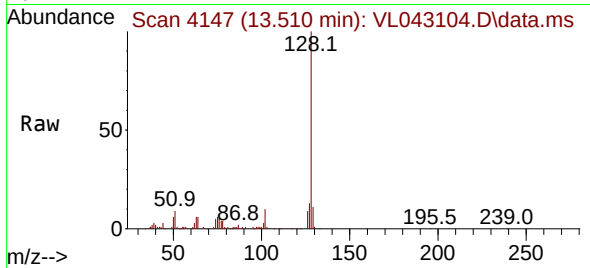
Tgt Ion:225 Resp: 11728
Ion Ratio Lower Upper
225 100
223 62.2 50.2 75.4
227 61.4 49.6 74.4





#79
Naphthalene
Concen: 0.519 ppbv
RT: 13.510 min Scan# 4149
Delta R.T. -0.007 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

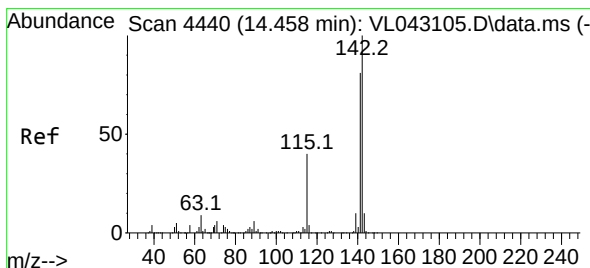
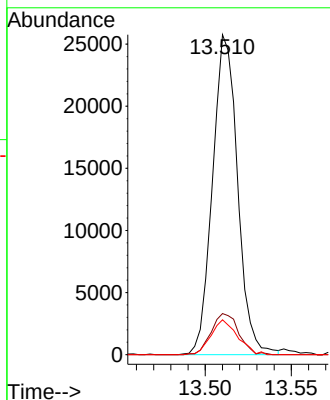
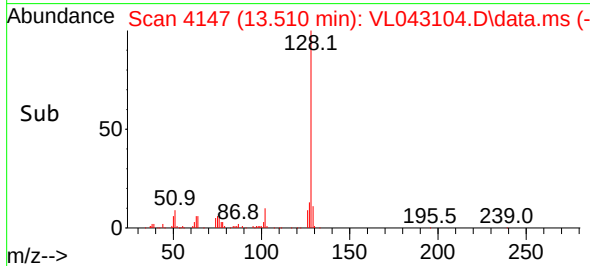
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:128 Resp: 2611
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.9 9.1 13.7

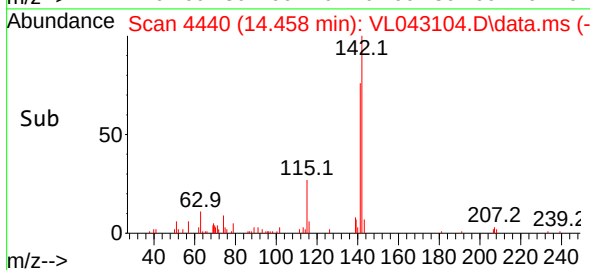
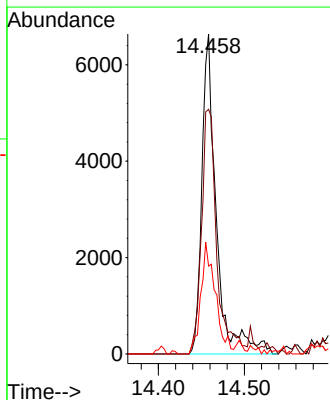
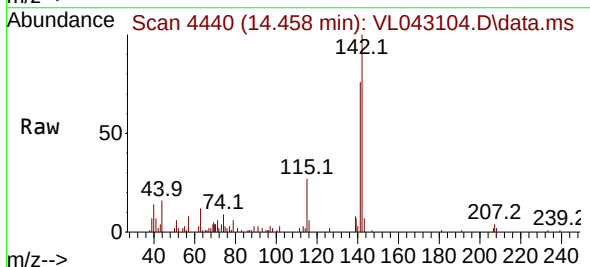
Manual Integrations
APPROVED

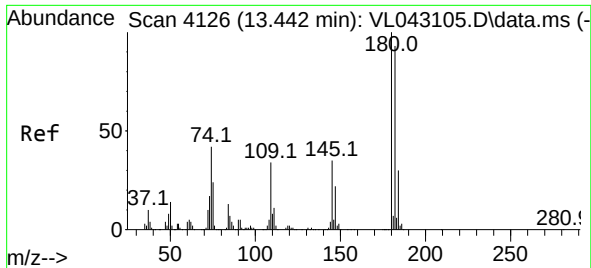
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#80
Naphthalene,2-methyl-
Concen: 0.581 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL043104.D
Acq: 14 Oct 2025 09:57

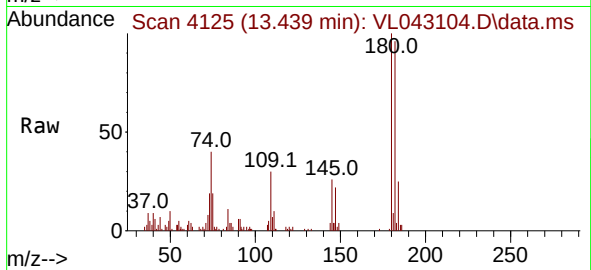
Tgt Ion:142 Resp: 7723
Ion Ratio Lower Upper
142 100
141 86.3 64.6 97.0
115 38.4 30.2 45.4





#81
 1,2,4-Trichlorobenzene
 Concen: 0.468 ppbv
 RT: 13.439 min Scan# 4125
 Delta R.T. -0.003 min
 Lab File: VL043104.D
 Acq: 14 Oct 2025 09:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:180 Resp: 9900
 Ion Ratio Lower Upper
 180 100
 182 92.7 75.5 113.3
 184 31.2 23.9 35.9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

