

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
 Data File : VL042624.D
 Acq On : 16 Jun 2025 10:29
 Operator : SY/MD
 Sample : VL0616ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
 Supervised By :Mahesh Dadoda 06/17/2025

Quant Time: Jun 17 03:03:38 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	107046	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	286719	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	259461	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 199109 10.237 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	136670	10.388	ppbv	96
3) Chlorodifluoromethane	1.476	51	174546	9.633	ppbv	98
4) Chloromethane	1.534	50	51156	9.819	ppbv	98
5) Vinyl Chloride	1.580	62	48533	9.145	ppbv	100
6) Bromomethane	1.667	94	24091	9.326	ppbv	94
7) Chloroethane	1.703	64	19971	9.685	ppbv	93
8) Dichlorotetrafluoroethane	1.554	85	112219	10.237	ppbv	100
9) Propene	1.483	41	69909	9.581	ppbv	99
10) Heptane	4.978	43	197588	9.606	ppbv	100
11) Trichlorofluoromethane	1.877	101	140074	11.443	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	109502	11.392	ppbv	98
13) Ethanol	1.722	45	5871	6.751	ppbv	96
14) Bromoethene	1.780	108	38439	10.631	ppbv	96
15) Acetone	1.835	43	114754	8.900	ppbv	97
16) 1,3-Butadiene	1.609	39	56873	9.311	ppbv	96
17) tert-Butyl alcohol	2.039	59	137548	10.240	ppbv	99
18) 1,1-Dichloroethene	2.033	96	45907	10.304	ppbv	97
19) Isopropyl Alcohol	1.884	45	75945	9.852	ppbv	100
20) Methylene Chloride	2.062	84	39509	9.285	ppbv	98
21) Allyl Chloride	2.094	41	90040	9.897	ppbv	94
22) trans-1,2-Dichloroethene	2.340	96	52622	10.574	ppbv	100
23) Vinyl Acetate	2.463	43	212830	12.211	ppbv	98
24) 1,1-Dichloroethane	2.408	63	108253	10.572	ppbv	99
25) Ethyl Acetate	2.832	43	348882	9.887	ppbv	99
26) Hexane	2.826	57	149725	9.338	ppbv	96
27) Carbon Disulfide	2.149	76	132478	10.763	ppbv #	92
28) Methyl tert-Butyl Ether	2.437	73	66546	10.228	ppbv	98
29) Chloroform	2.848	83	210668	10.104	ppbv	99
30) Cyclohexane	3.855	84	122467	9.213	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	147213	10.037	ppbv	96
32) 1,1,1-Trichloroethane	3.366	97	207491	9.740	ppbv	98
34) 2-Butanone	2.554	43	226773	11.091	ppbv	99
35) Carbon Tetrachloride	3.764	117	210222	11.107	ppbv	99
36) Benzene	3.658	78	304362	10.780	ppbv	99
37) 1,2-Dichloroethane	3.217	62	163904	11.680	ppbv	99
38) Trichloroethene	4.548	130	122527	10.210	ppbv	88
39) 1,2-Dichloropropane	4.315	63	110459	10.579	ppbv	97
40) 1,4-Dioxane	4.577	88	48307	10.339	ppbv #	90
41) Tetrahydrofuran	3.052	42	128060	10.699	ppbv	99
42) Bromodichloromethane	4.489	83	232526	11.667	ppbv	96
43) Methyl Methacrylate	4.878	69	114782	10.474	ppbv	99
44) 2,2,4-Trimethylpentane	4.638	57	514353	10.650	ppbv	99
45) t-1,3-Dichloropropene	6.412	75	132193	10.542	ppbv	98

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Quant Time: Jun 17 03:03:38 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

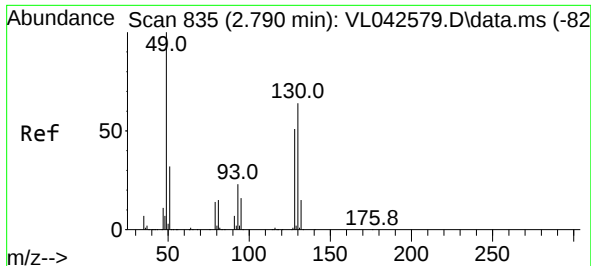
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

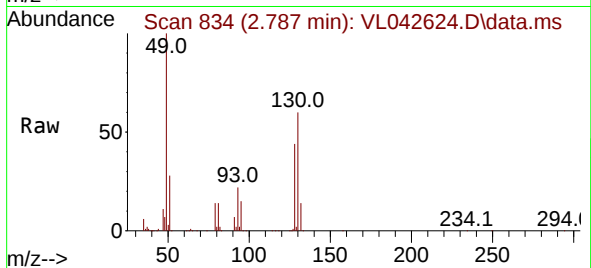
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	166004	10.565	ppbv	95
47) 1,1,2-Trichloroethane	6.580	97	116650	10.792	ppbv	94
48) Dibromochloromethane	7.389	129	187227	10.821	ppbv	100
49) Bromoform	9.487	173	161902	10.844	ppbv	99
50) 4-Methyl-2-Pentanone	5.752	43	309608	10.917	ppbv	99
51) 2-Hexanone	7.435	43	247186	10.989	ppbv #	96
52) Tetrachloroethene	8.225	164	102638	9.728	ppbv	97
53) Toluene	6.936	91	337046	10.328	ppbv	99
54) 1,2-Dibromoethane	7.655	107	170053	10.630	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.927	131	140643	10.780	ppbv	98
57) Chlorobenzene	8.920	112	264897	10.515	ppbv	99
58) Ethyl Benzene	9.357	91	467998	10.634	ppbv	96
59) m/p-Xylene	9.552	91	746933m	21.566	ppbv	
60) o-Xylene	9.966	91	369758	10.704	ppbv	98
61) Styrene	9.872	104	169386	10.371	ppbv	99
62) Isopropylbenzene	10.539	105	541625	10.613	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	235113	10.704	ppbv	98
64) n-propylbenzene	10.989	120	141765	10.363	ppbv	94
65) tert-Butylbenzene	11.532	119	469290	10.134	ppbv	96
66) Benzyl Chloride	11.617	91	54970	9.221	ppbv	98
67) sec-Butylbenzene	11.769	105	671931	10.320	ppbv	98
69) p-Isopropyltoluene	11.927	119	556052	10.198	ppbv	99
70) n-Butylbenzene	12.283	91	573365	10.653	ppbv	98
71) 2-Chlorotoluene	10.901	91	410090	10.535	ppbv	97
72) 4-Ethyltoluene	11.125	105	454234	10.547	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	377709	10.597	ppbv	100
74) 1,2,4-Trimethylbenzene	11.539	105	411337	10.399	ppbv	99
75) 1,3-Dichlorobenzene	11.610	146	257115	10.351	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	259390	10.470	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	250092	10.374	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	182353	9.142	ppbv	99
79) Naphthalene	13.513	128	404428	10.847	ppbv	100
80) Naphthalene,2-methyl-	14.458	142	199834	11.863	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	210333	10.105	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

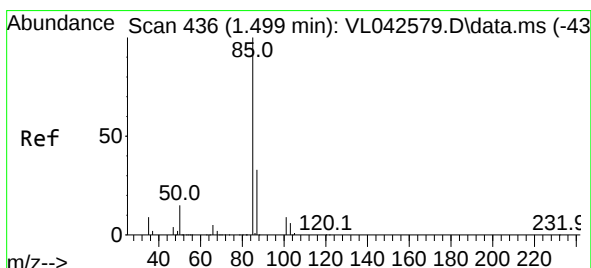
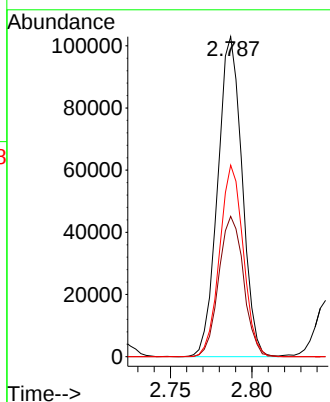
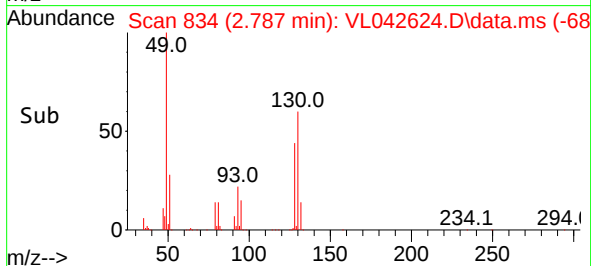
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01



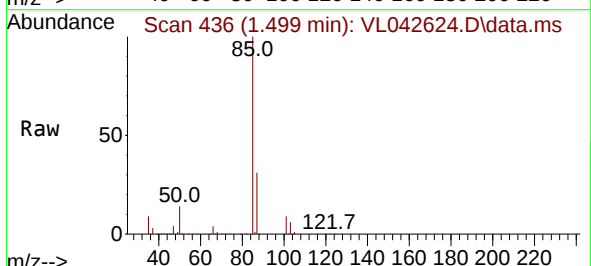
Tgt Ion: 49 Resp: 107040
Ion Ratio Lower Upper
49 100
128 44.6 24.2 72.6
130 57.9 30.4 91.2

Manual Integrations
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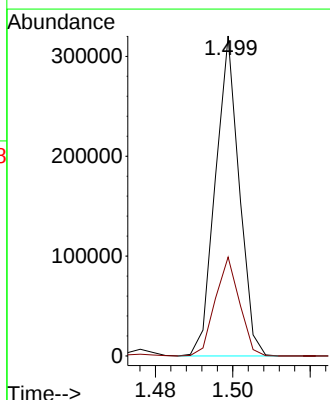
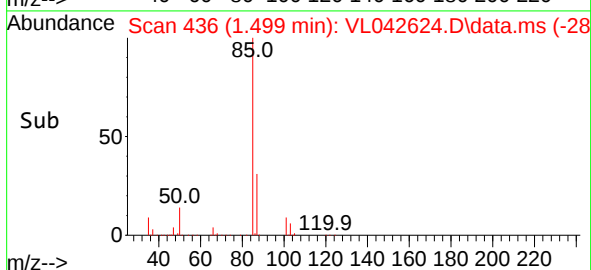
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

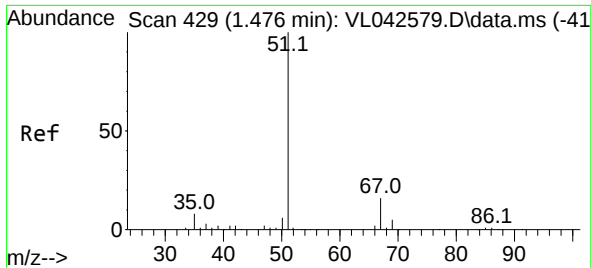


#2
Dichlorodifluoromethane
Concen: 10.388 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29



Tgt Ion: 85 Resp: 136670
Ion Ratio Lower Upper
85 100
87 30.9 26.6 39.8





#3

Chlorodifluoromethane

Concen: 9.633 ppbv

RT: 1.476 min Scan# 429

Delta R.T. -0.000 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tgt Ion: 51 Resp: 174540

Ion Ratio Lower Upper

51 100

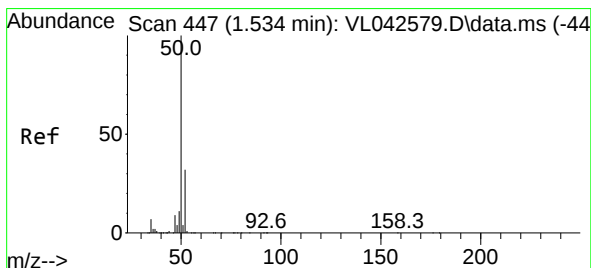
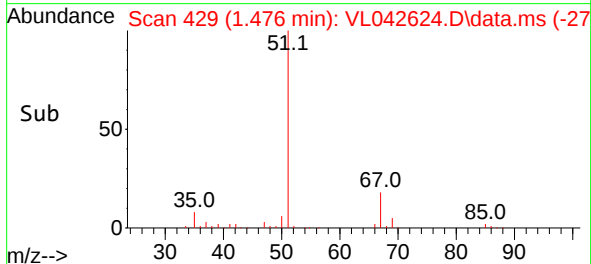
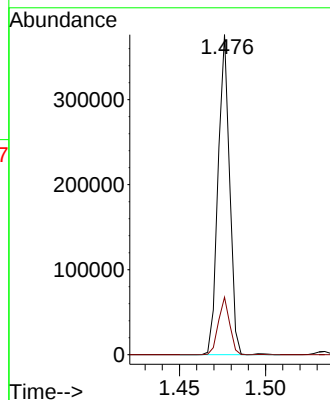
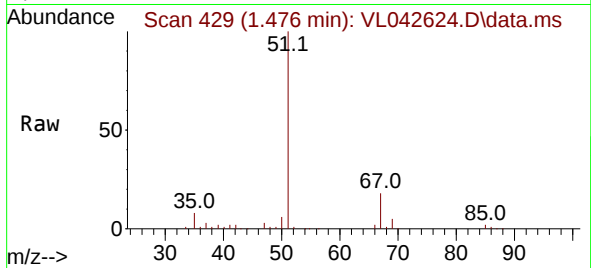
67 17.6 13.4 20.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/17/2025

Supervised By :Mahesh Dadoda 06/17/2025



#4

Chloromethane

Concen: 9.819 ppbv

RT: 1.534 min Scan# 447

Delta R.T. -0.000 min

Lab File: VL042624.D

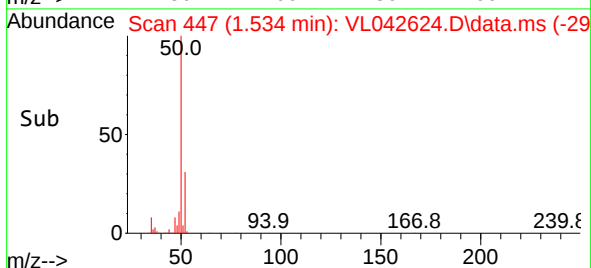
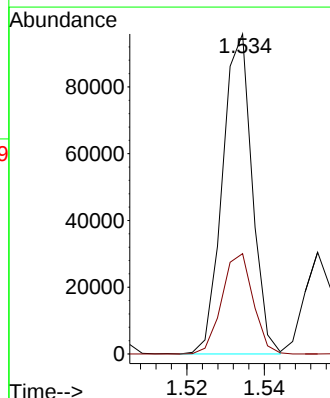
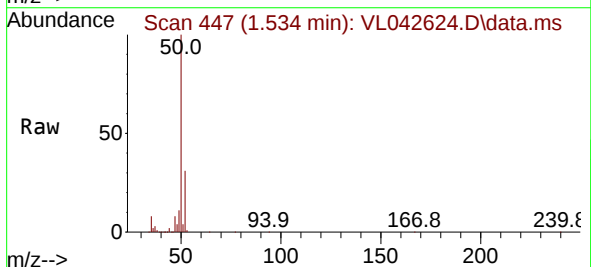
Acq: 16 Jun 2025 10:29

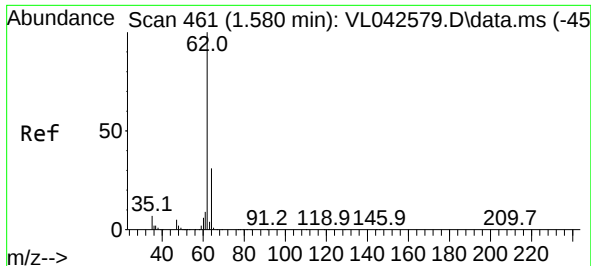
Tgt Ion: 50 Resp: 51156

Ion Ratio Lower Upper

50 100

52 31.3 25.8 38.6





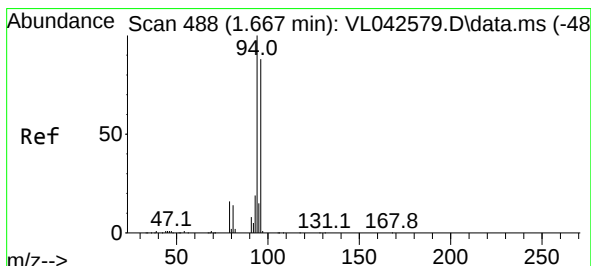
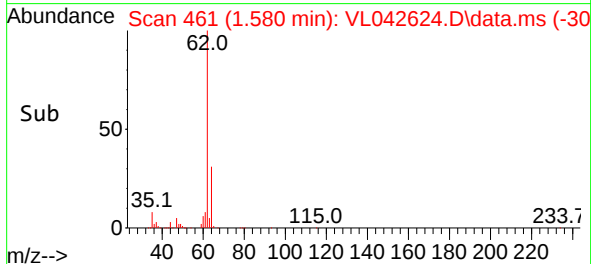
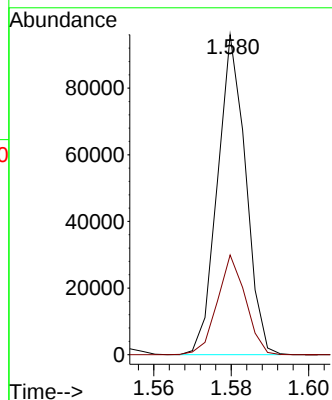
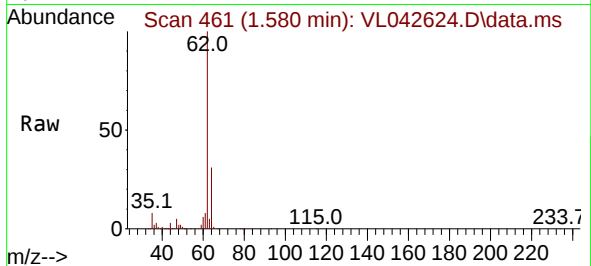
#5
 Vinyl Chloride
 Concen: 9.145 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042624.D
 Acq: 16 Jun 2025 10:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01

Tgt Ion: 62 Resp: 4853
 Ion Ratio Lower Upper
 62 100
 64 31.1 24.9 37.3

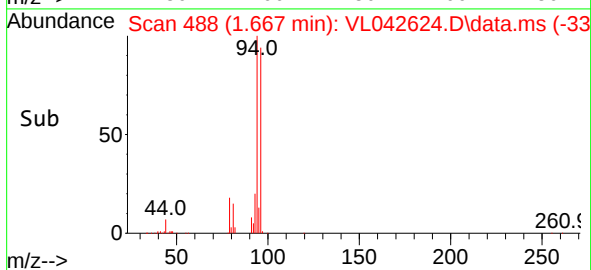
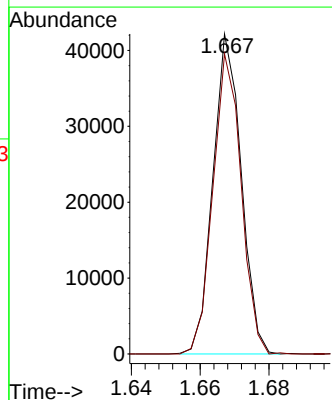
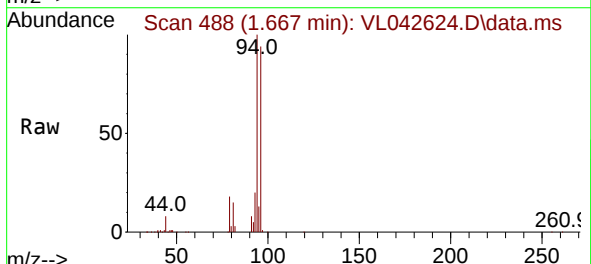
Manual Integrations
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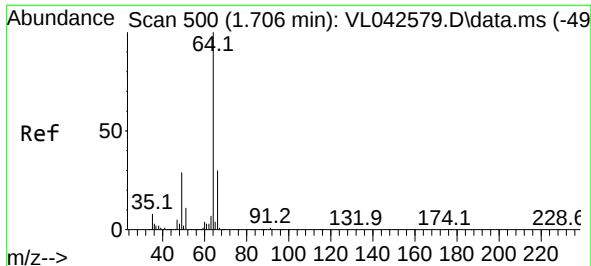
Reviewed By :Semsettin Yesilyurt 06/17/2025
 Supervised By :Mahesh Dadoda 06/17/2025



#6
 Bromomethane
 Concen: 9.326 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042624.D
 Acq: 16 Jun 2025 10:29

Tgt Ion: 94 Resp: 24091
 Ion Ratio Lower Upper
 94 100
 96 93.8 70.7 106.1





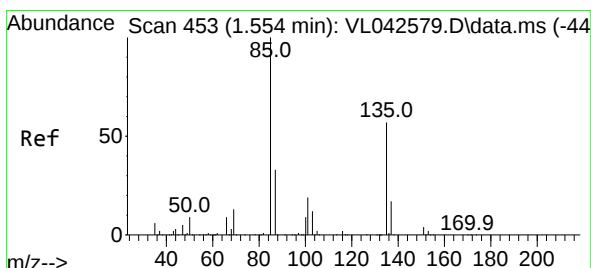
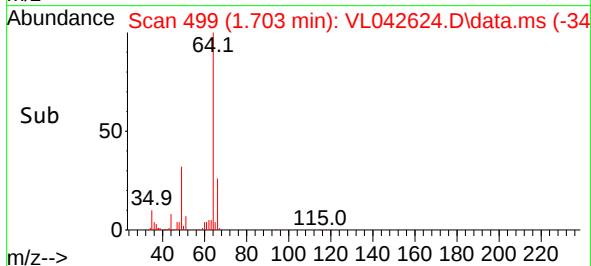
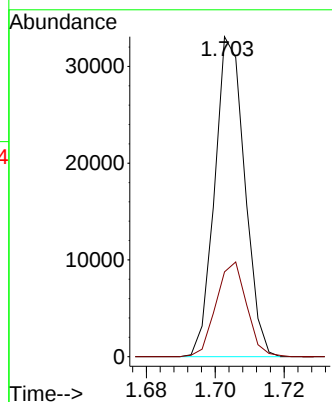
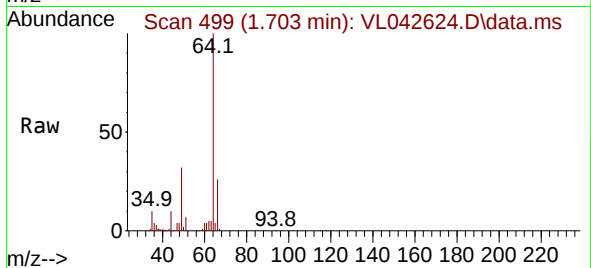
#7
Chloroethane
Concen: 9.685 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 64 Resp: 1997
Ion Ratio Lower Upper
64 100
66 26.5 24.3 36.5

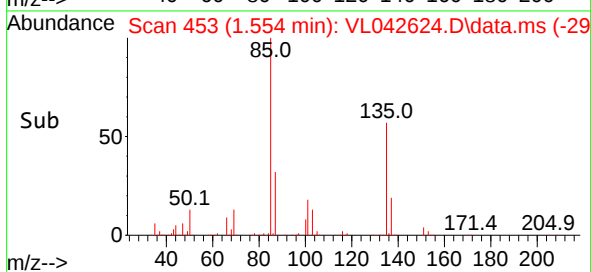
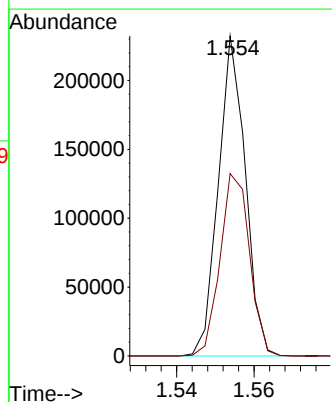
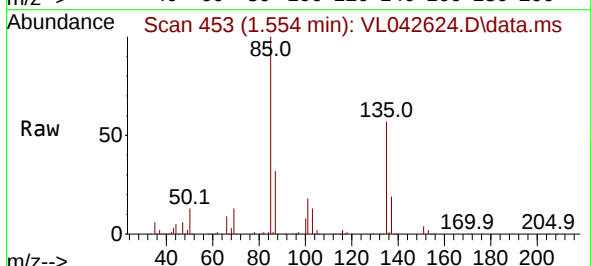
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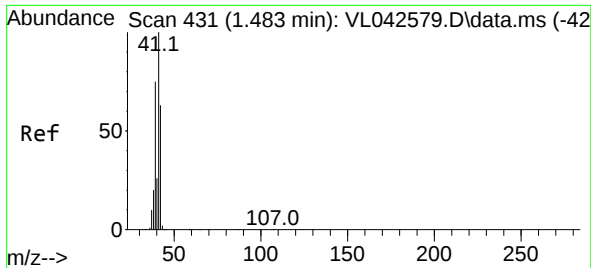
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#8
Dichlorotetrafluoroethane
Concen: 10.237 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 85 Resp: 112219
Ion Ratio Lower Upper
85 100
135 62.4 50.2 75.4





#9

Propene

Concen: 9.581 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tgt Ion: 41 Resp: 69909

Ion Ratio Lower Upper

41 100

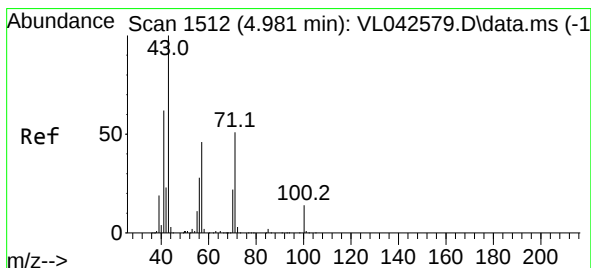
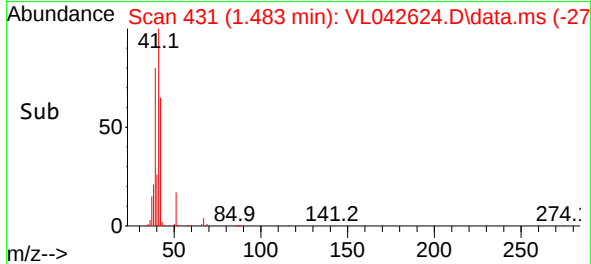
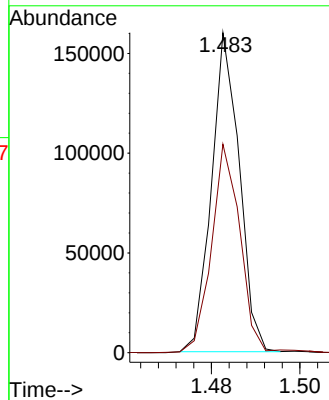
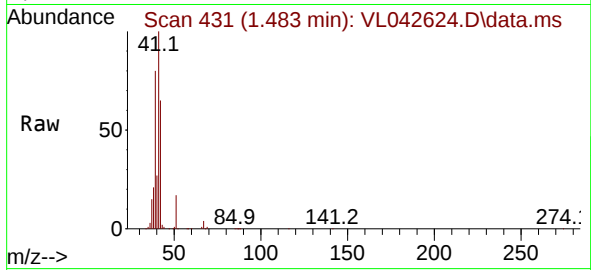
42 67.4 53.3 79.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/17/2025

Supervised By :Mahesh Dadoda 06/17/2025



#10

Heptane

Concen: 9.606 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. -0.003 min

Lab File: VL042624.D

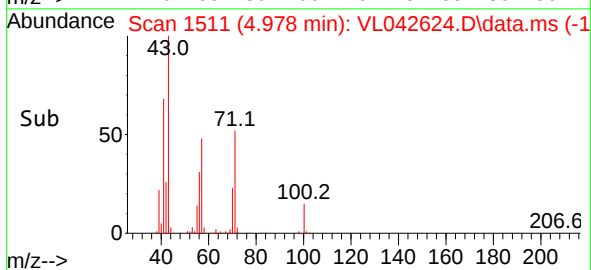
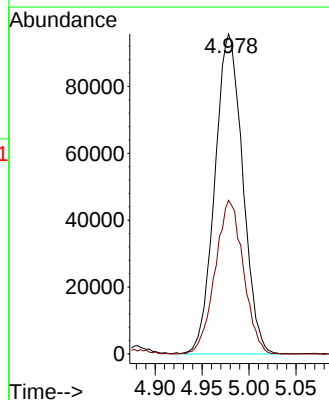
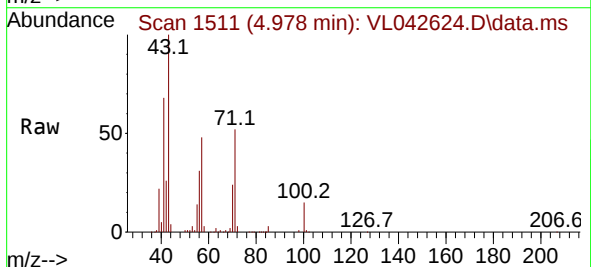
Acq: 16 Jun 2025 10:29

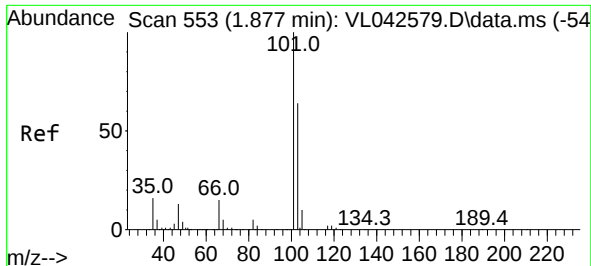
Tgt Ion: 43 Resp: 197588

Ion Ratio Lower Upper

43 100

57 48.6 38.9 58.3





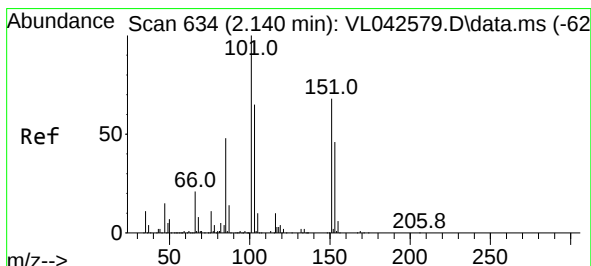
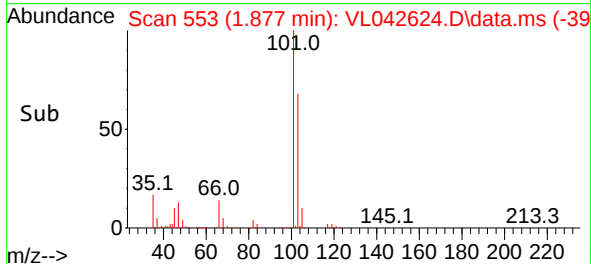
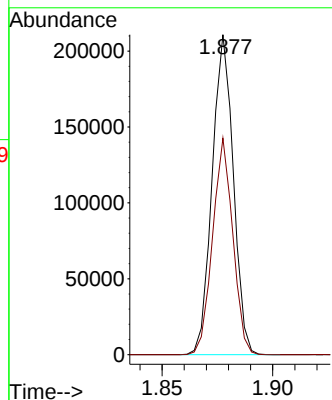
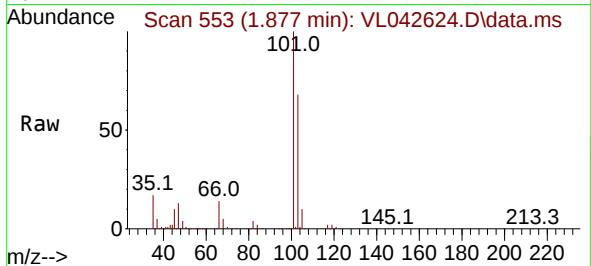
#11
Trichlorofluoromethane
Concen: 11.443 ppbv
RT: 1.877 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:101 Resp: 140074
Ion Ratio Lower Upper
101 100
103 67.7 51.5 77.3

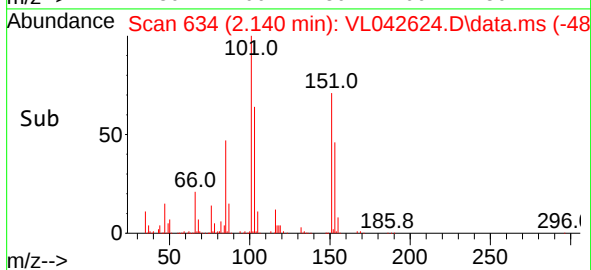
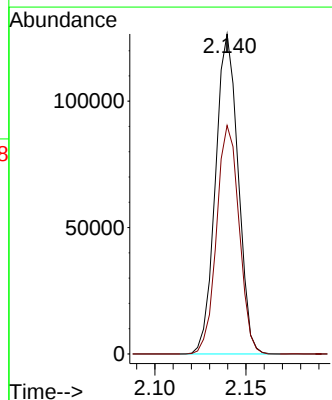
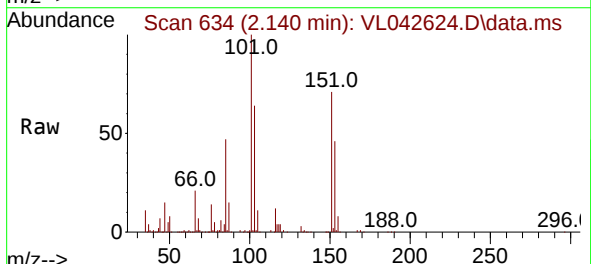
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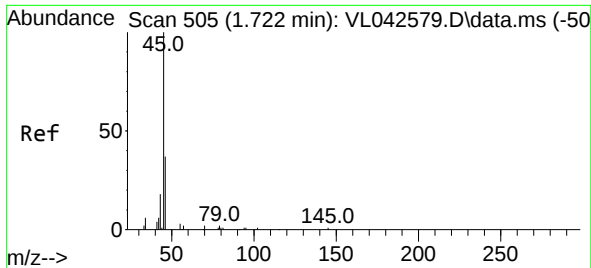
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.392 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:101 Resp: 109502
Ion Ratio Lower Upper
101 100
151 70.9 55.3 82.9





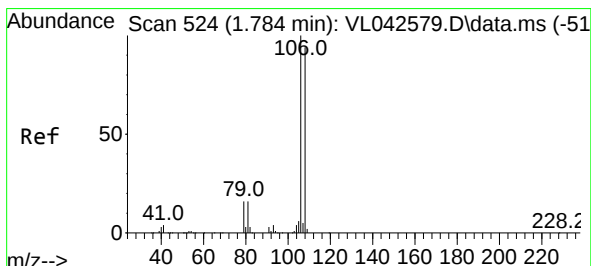
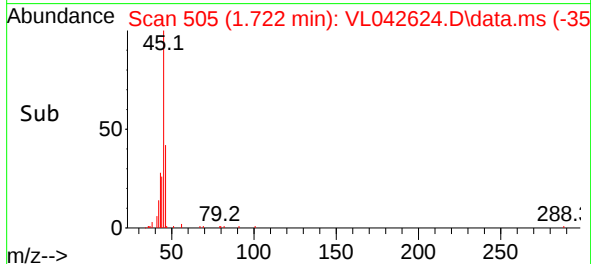
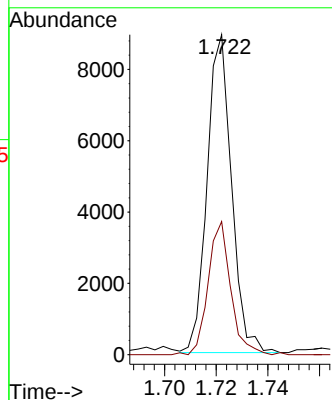
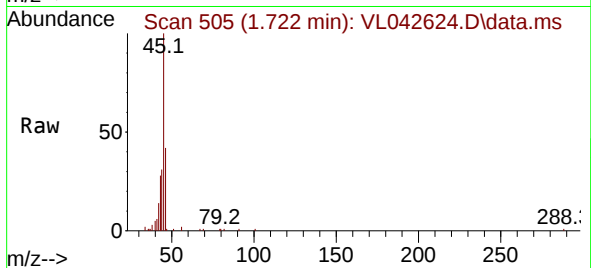
#13
Ethanol
Concen: 6.751 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 45 Resp: 587
Ion Ratio Lower Upper
45 100
46 38.6 14.5 58.1

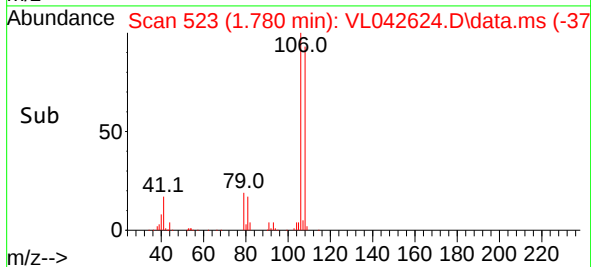
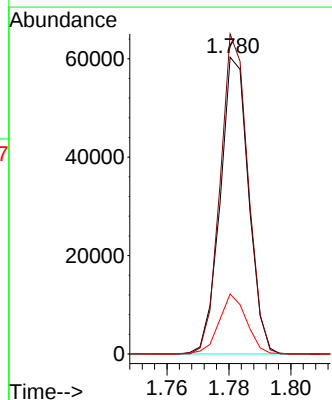
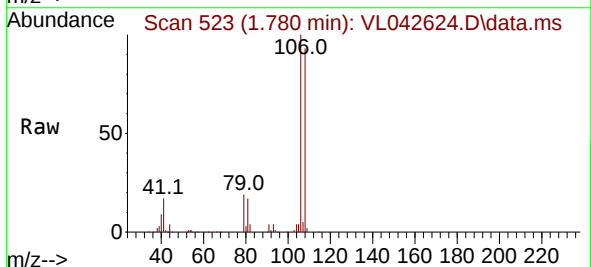
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#14
Bromoethene
Concen: 10.631 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

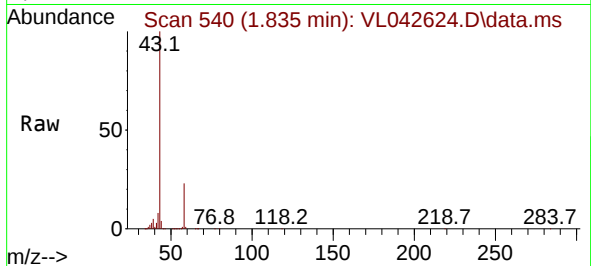
Tgt Ion:108 Resp: 38439
Ion Ratio Lower Upper
108 100
106 105.1 87.9 131.9
79 20.0 15.6 23.4





#15
Acetone
Concen: 8.900 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

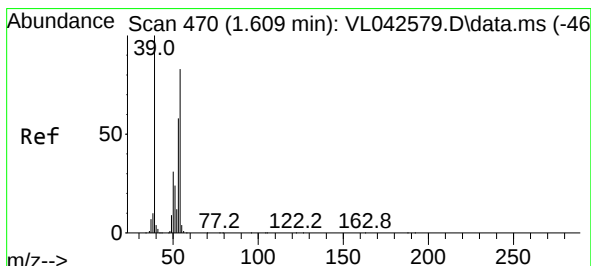
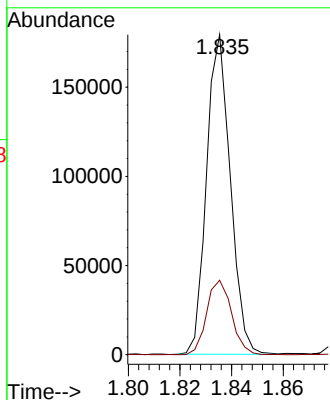
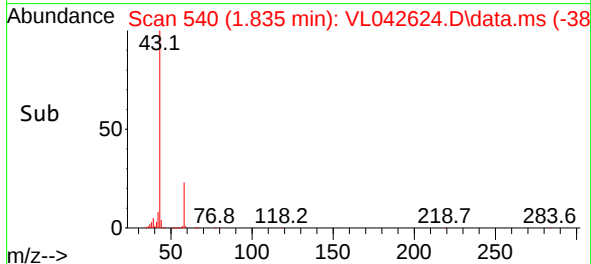
Instrument : MSVOA_L
ClientSampleId : VL0616ABS01



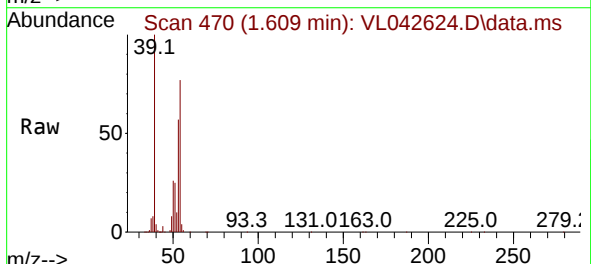
Tgt Ion: 43 Resp: 114754
Ion Ratio Lower Upper
43 100
58 24.4 21.0 31.4

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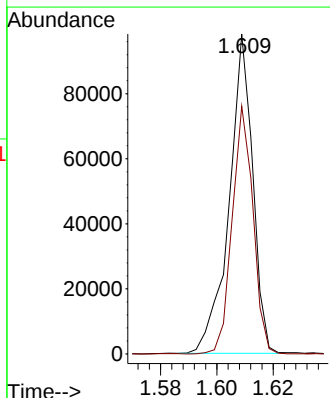
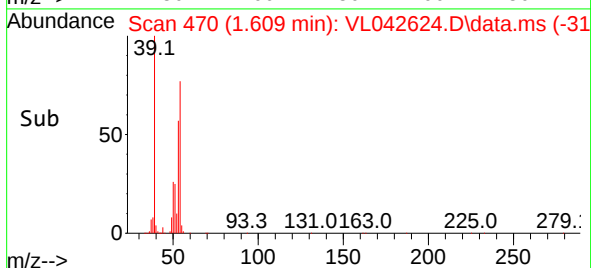
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

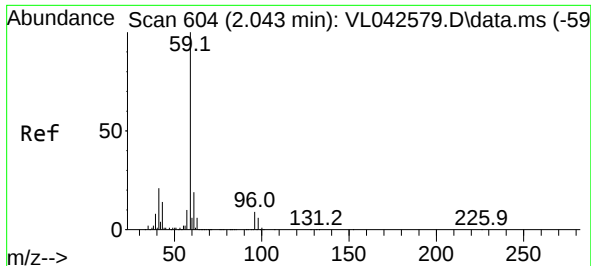


#16
1,3-Butadiene
Concen: 9.311 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29



Tgt Ion: 39 Resp: 56873
Ion Ratio Lower Upper
39 100
54 68.9 57.9 86.9





#17

tert-Butyl alcohol

Concen: 10.240 ppbv

RT: 2.039 min Scan# 604

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tgt Ion: 59 Resp: 137548

Ion Ratio Lower Upper

59 100

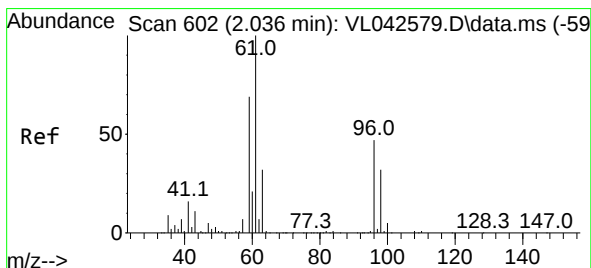
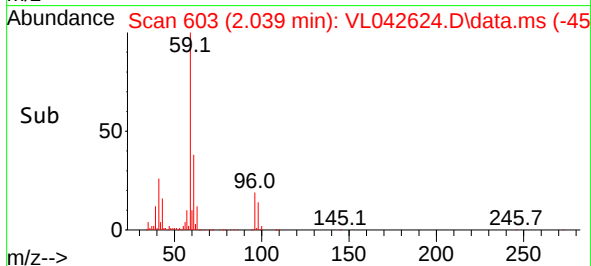
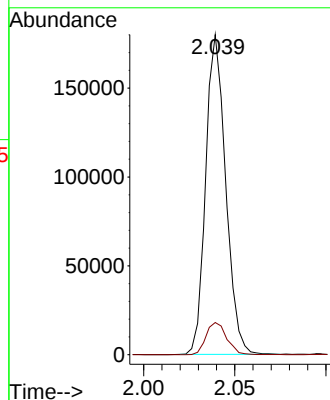
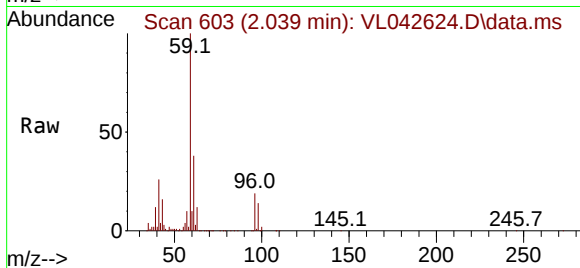
57 10.4 8.6 12.8

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Reviewed By :Semsettin Yesilyurt 06/17/2025

Supervised By :Mahesh Dadoda 06/17/2025



#18

1,1-Dichloroethene

Concen: 10.304 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

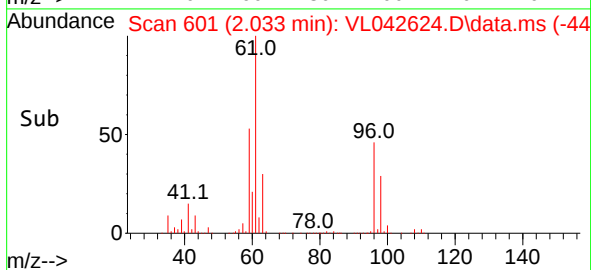
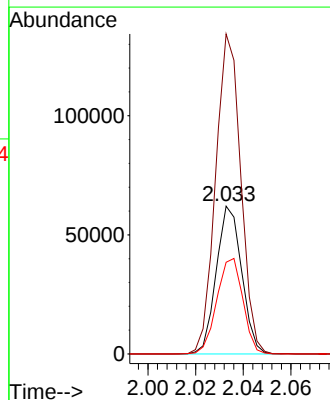
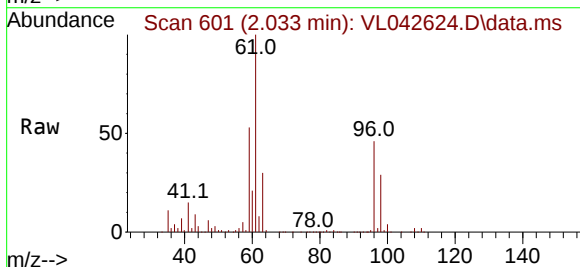
Tgt Ion: 96 Resp: 45907

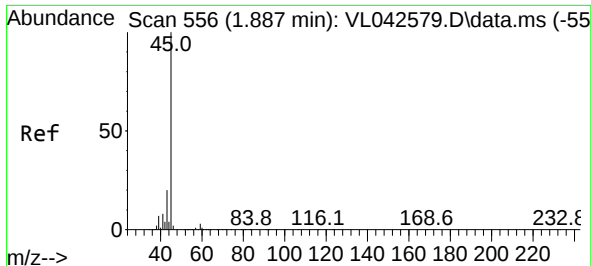
Ion Ratio Lower Upper

96 100

61 216.3 171.1 256.7

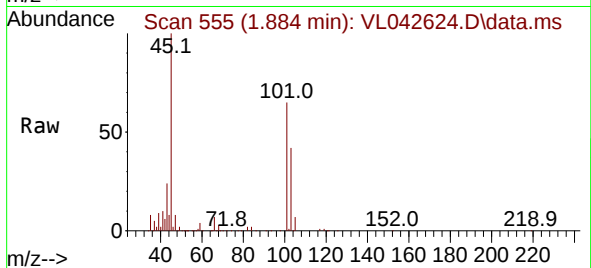
98 62.0 54.4 81.6





#19
Isopropyl Alcohol
Concen: 9.852 ppbv
RT: 1.884 min Scan# 519
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

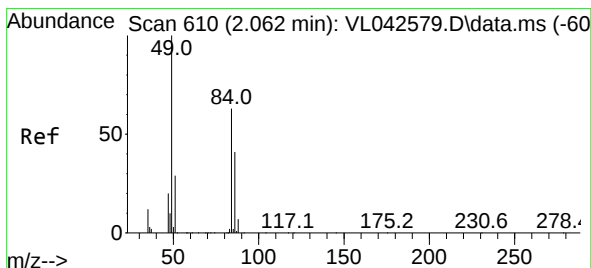
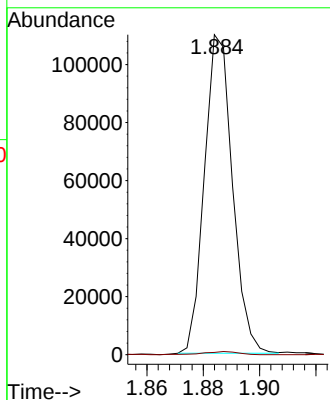
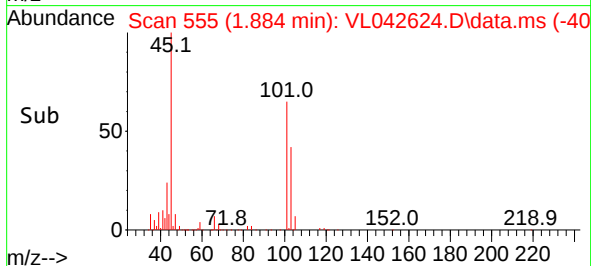
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01



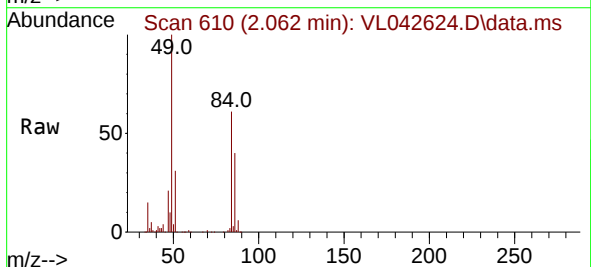
Tgt Ion: 45 Resp: 75945
Ion Ratio Lower Upper
45 100
58 36.9 29.4 44.2

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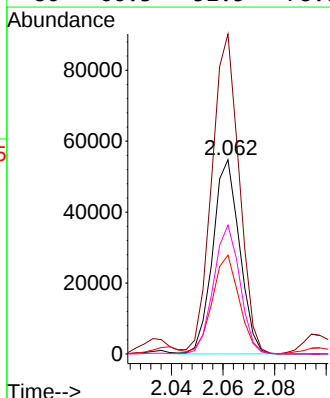
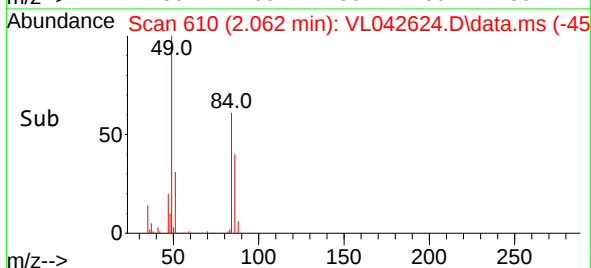
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

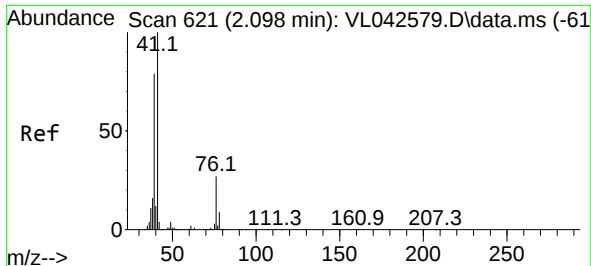


#20
Methylene Chloride
Concen: 9.285 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29



Tgt Ion: 84 Resp: 39509
Ion Ratio Lower Upper
84 100
49 164.7 128.8 193.2
51 50.7 38.6 57.8
86 66.3 52.5 78.7





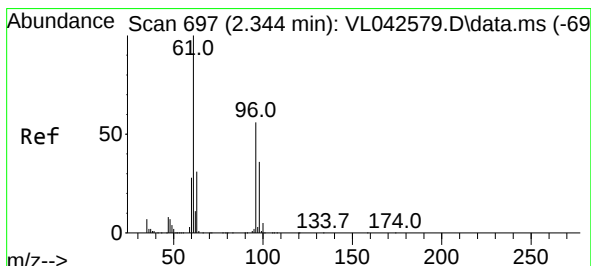
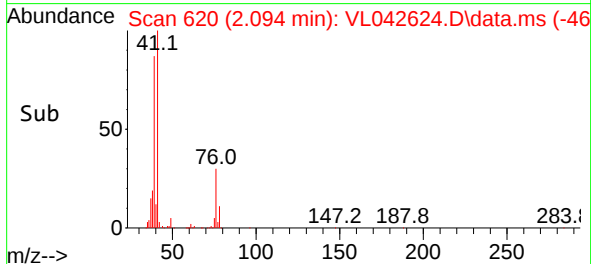
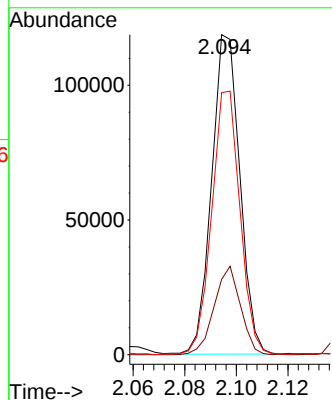
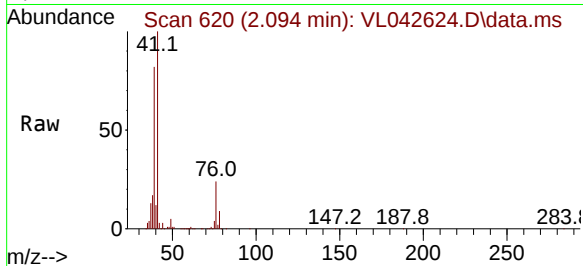
#21
 Allyl Chloride
 Concen: 9.897 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL042624.D
 Acq: 16 Jun 2025 10:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01

Tgt Ion: 41 Resp: 90040
 Ion Ratio Lower Upper
 41 100
 76 25.8 21.2 31.8
 39 82.5 60.9 91.3

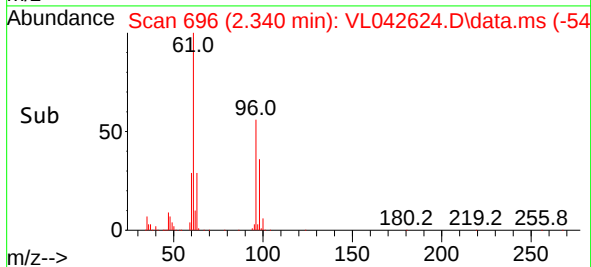
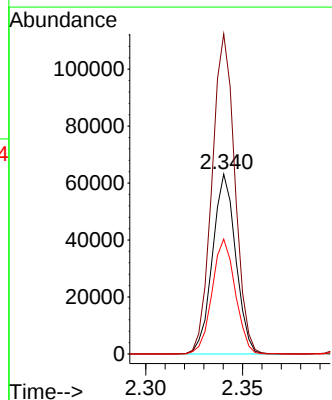
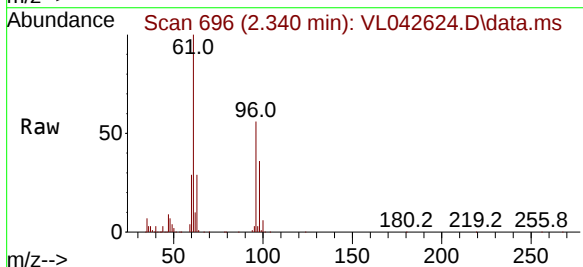
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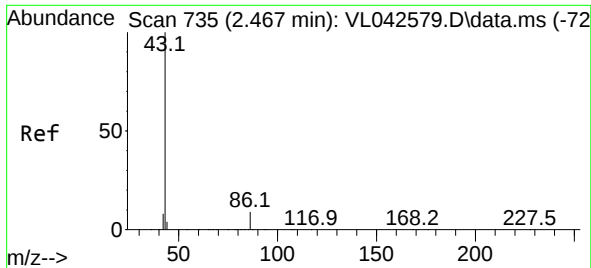
Reviewed By :Semsettin Yesilyurt 06/17/2025
 Supervised By :Mahesh Dadoda 06/17/2025



#22
 trans-1,2-Dichloroethene
 Concen: 10.574 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.003 min
 Lab File: VL042624.D
 Acq: 16 Jun 2025 10:29

Tgt Ion: 96 Resp: 52622
 Ion Ratio Lower Upper
 96 100
 61 177.8 142.6 214.0
 98 63.9 51.0 76.4





#23
 Vinyl Acetate
 Concen: 12.211 ppbv
 RT: 2.463 min Scan# 712
 Delta R.T. -0.003 min
 Lab File: VL042624.D
 Acq: 16 Jun 2025 10:29

Instrument :

MSVOA_L

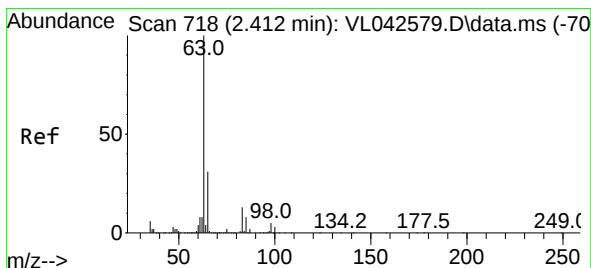
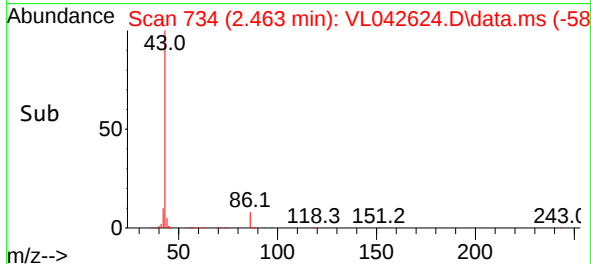
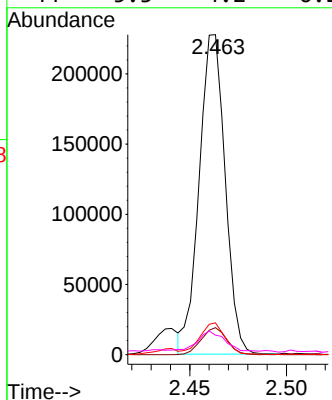
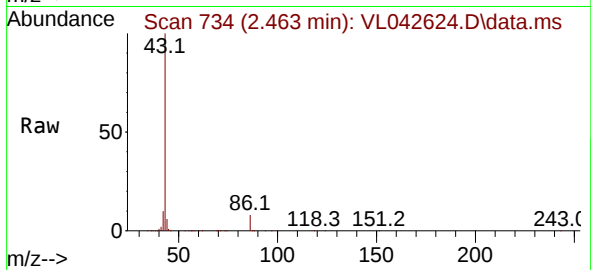
ClientSampleId :

VL0616ABS01

Tgt Ion: 43 Resp: 212830
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.6 9.8
 42 9.8 7.0 10.4
 44 5.3 4.2 6.2

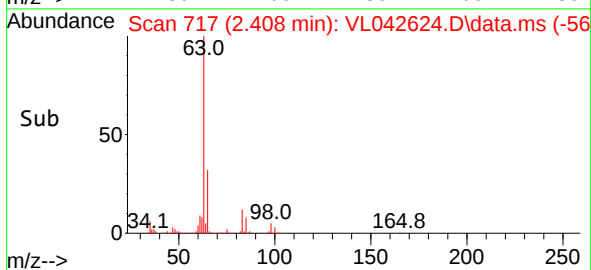
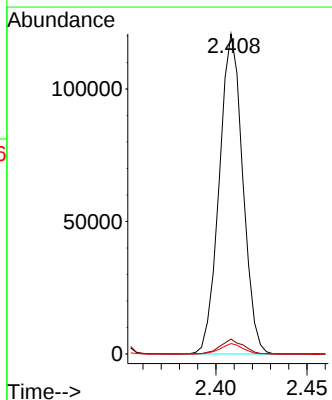
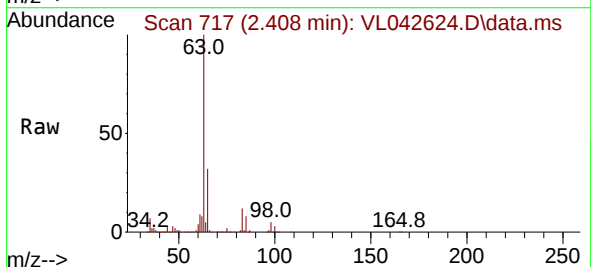
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Reviewed By :Semsettin Yesilyurt 06/17/2025
 Supervised By :Mahesh Dadoda 06/17/2025



#24
 1,1-Dichloroethane
 Concen: 10.572 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL042624.D
 Acq: 16 Jun 2025 10:29

Tgt Ion: 63 Resp: 108253
 Ion Ratio Lower Upper
 63 100
 98 4.7 2.4 7.1
 100 3.3 1.4 4.0





#25

Ethyl Acetate

Concen: 9.887 ppbv

RT: 2.832 min Scan# 84

Delta R.T. -0.007 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tgt Ion: 43 Resp: 34888

Ion Ratio Lower Upper

43 100

45 9.6 8.2 12.2

61 8.7 7.1 10.7

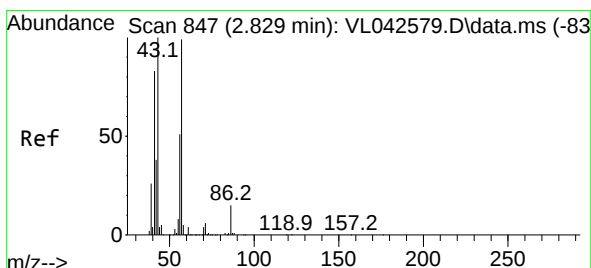
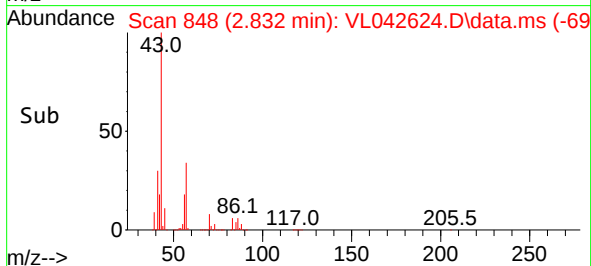
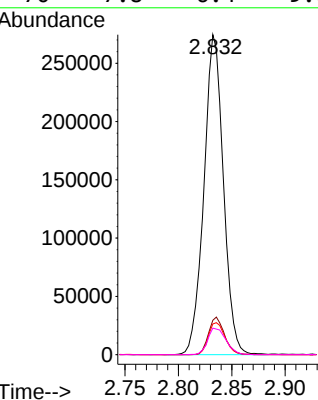
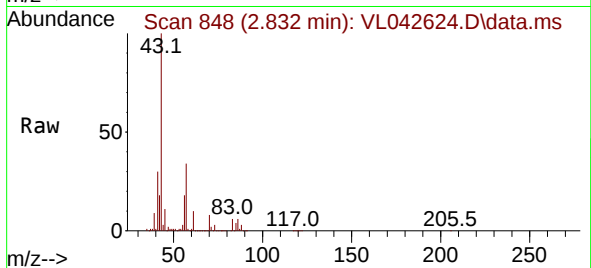
70 7.8 6.4 9.6

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Reviewed By :Semsettin Yesilyurt 06/17/2025

Supervised By :Mahesh Dadoda 06/17/2025



#26

Hexane

Concen: 9.338 ppbv

RT: 2.826 min Scan# 846

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Tgt Ion: 57 Resp: 149725

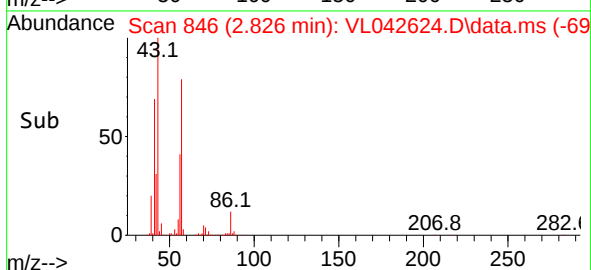
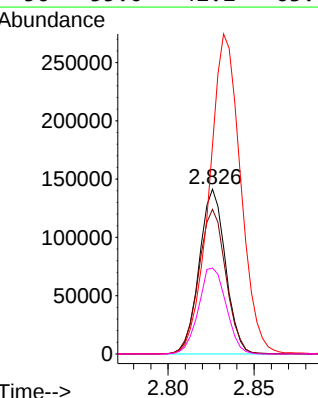
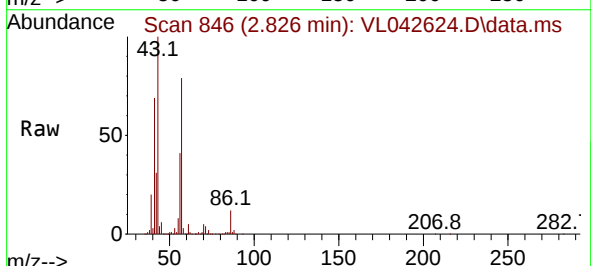
Ion Ratio Lower Upper

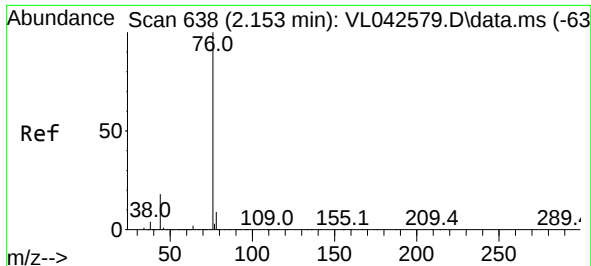
57 100

41 91.7 70.6 106.0

43 233.3 181.1 271.7

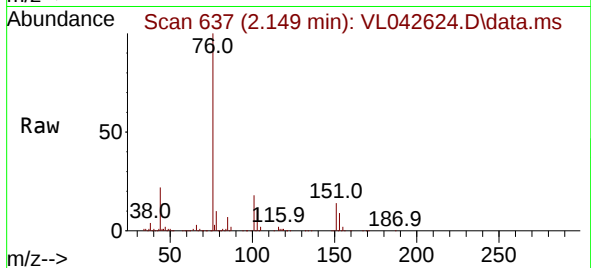
56 55.0 42.2 63.4





#27
Carbon Disulfide
Concen: 10.763 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

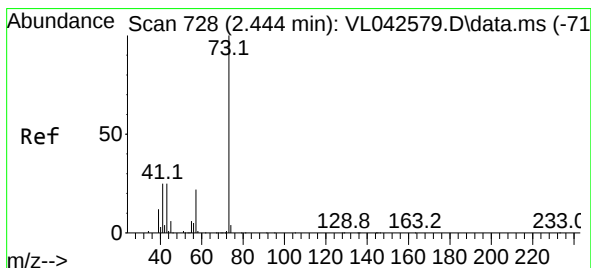
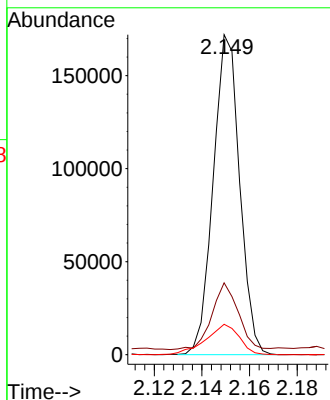
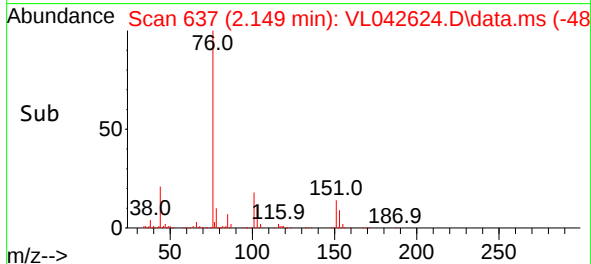
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01



Tgt Ion: 76 Resp: 132478
Ion Ratio Lower Upper
76 100
44 20.8 21.3 31.9
78 11.9 9.4 14.0

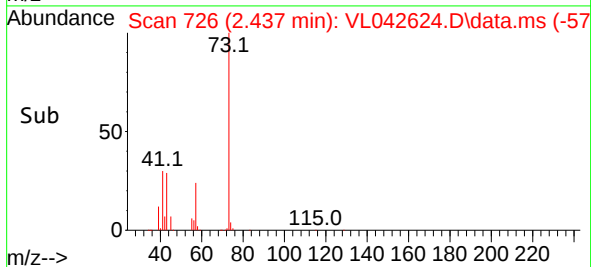
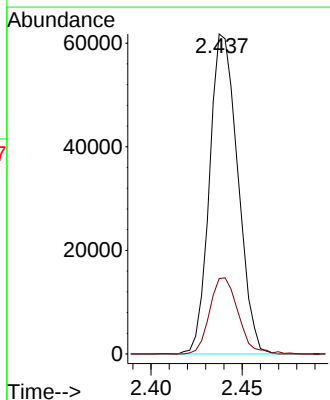
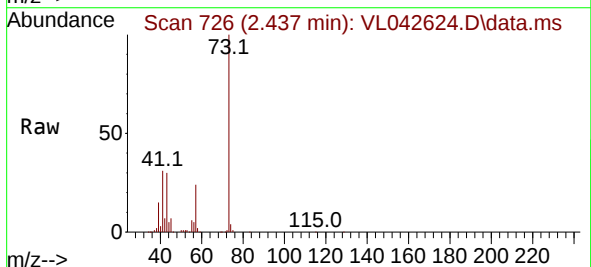
Manual Integrations
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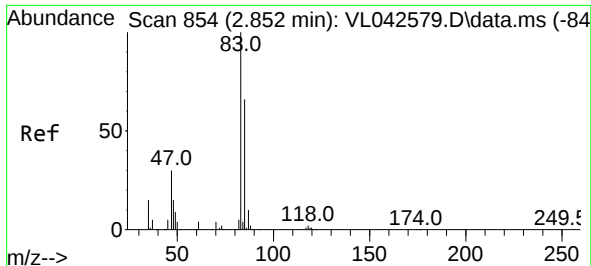
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#28
Methyl tert-Butyl Ether
Concen: 10.228 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 73 Resp: 66546
Ion Ratio Lower Upper
73 100
57 24.1 19.9 29.9





#29

Chloroform

Concen: 10.104 ppbv

RT: 2.848 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tgt Ion: 83 Resp: 21066

Ion Ratio Lower Upper

83 100

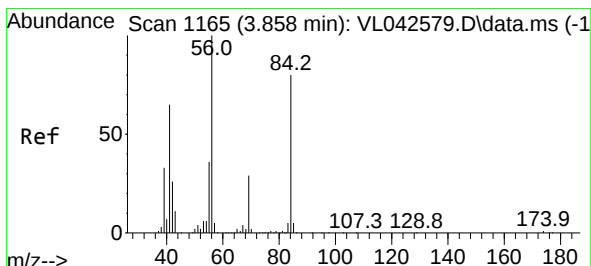
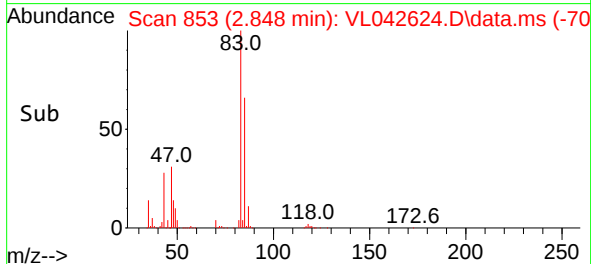
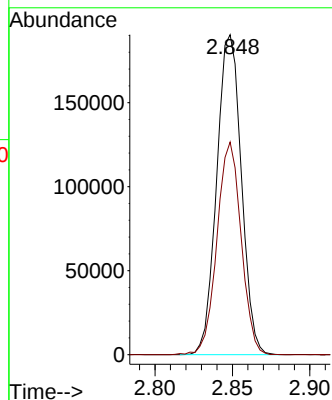
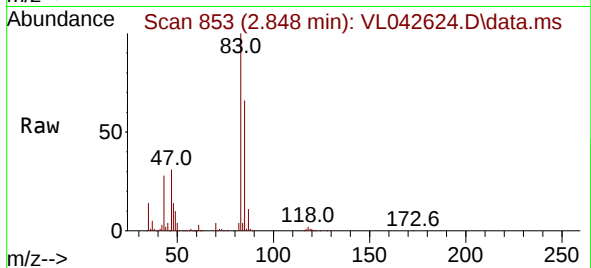
85 66.4 52.8 79.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025

Supervised By :Mahesh Dadoda 06/17/2025



#30

Cyclohexane

Concen: 9.213 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

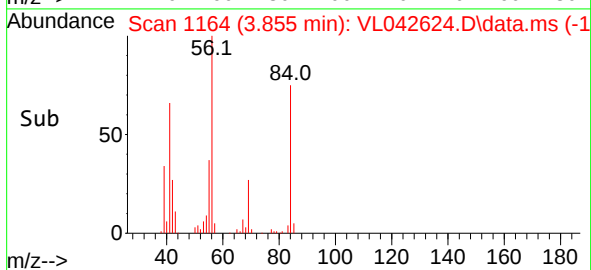
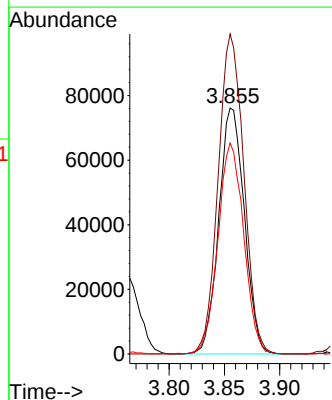
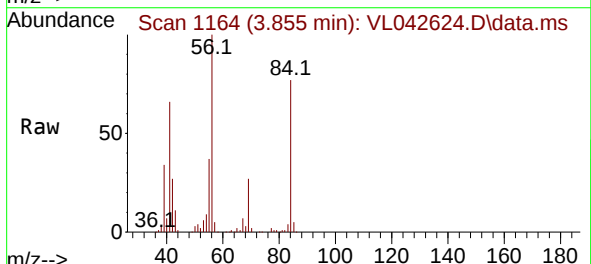
Tgt Ion: 84 Resp: 122467

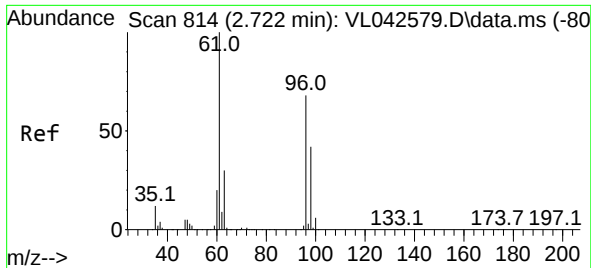
Ion Ratio Lower Upper

84 100

56 130.2 103.7 155.5

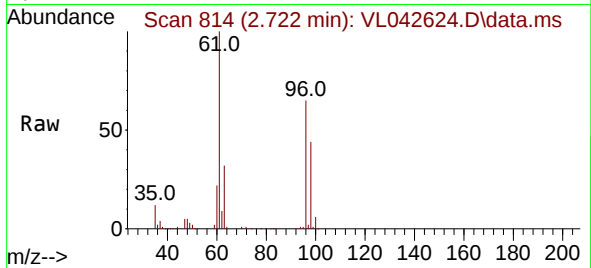
41 86.7 65.1 97.7





#31
 cis-1,2-Dichloroethene
 Concen: 10.037 ppbv
 RT: 2.722 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: VL042624.D
 Acq: 16 Jun 2025 10:29

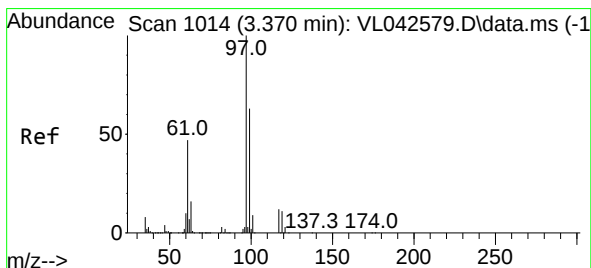
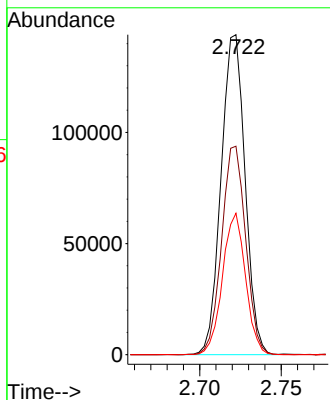
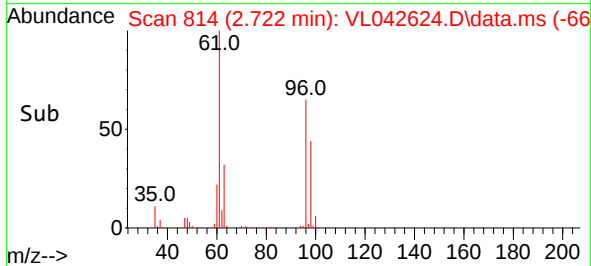
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01



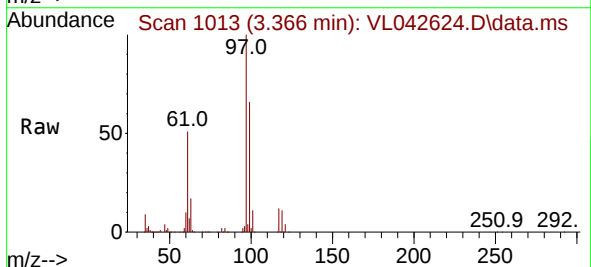
Tgt Ion: 61 Resp: 147211
 Ion Ratio Lower Upper
 61 100
 96 65.2 54.5 81.7
 98 44.2 33.4 50.2

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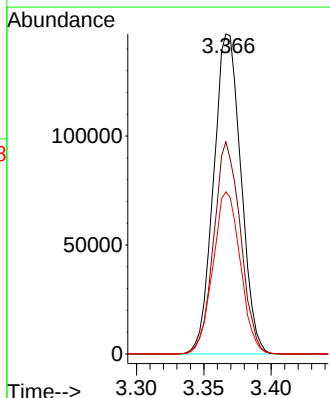
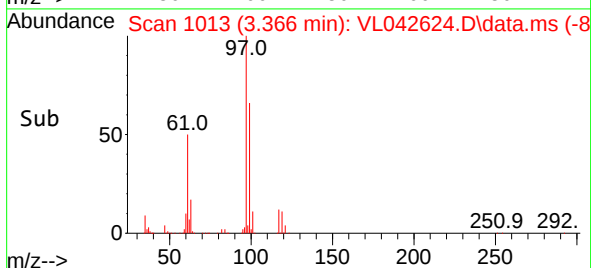
Reviewed By :Semsettin Yesilyurt 06/17/2025
 Supervised By :Mahesh Dadoda 06/17/2025



#32
 1,1,1-Trichloroethane
 Concen: 9.740 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. -0.003 min
 Lab File: VL042624.D
 Acq: 16 Jun 2025 10:29



Tgt Ion: 97 Resp: 207491
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.0 76.6
 61 50.9 39.4 59.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.007 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

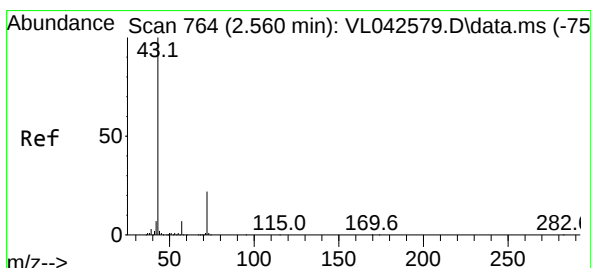
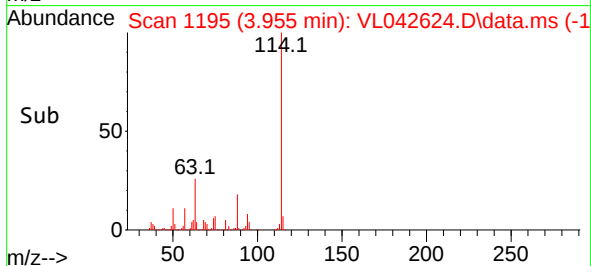
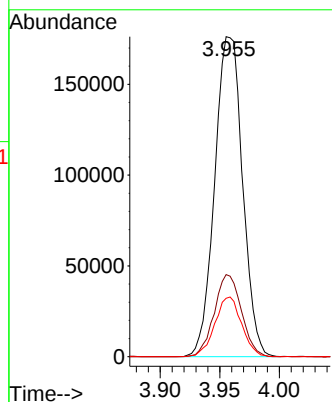
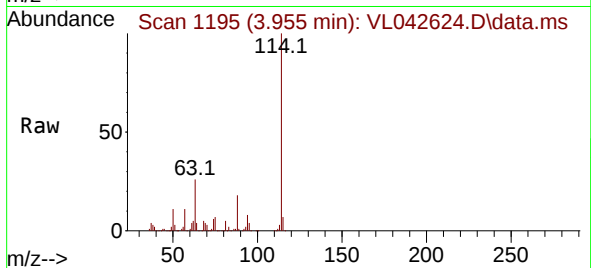
Tgt Ion:114 Resp: 286719

Ion	Ratio	Lower	Upper
114	100		
63	25.0	19.0	28.6
88	17.9	13.6	20.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#34

2-Butanone

Concen: 11.091 ppbv

RT: 2.554 min Scan# 762

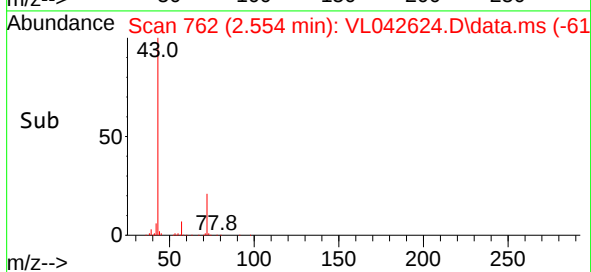
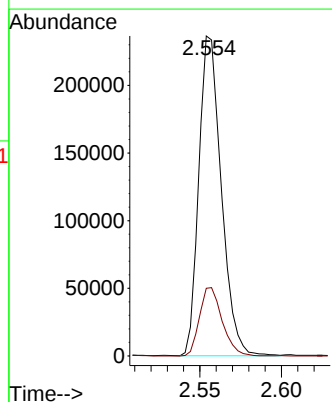
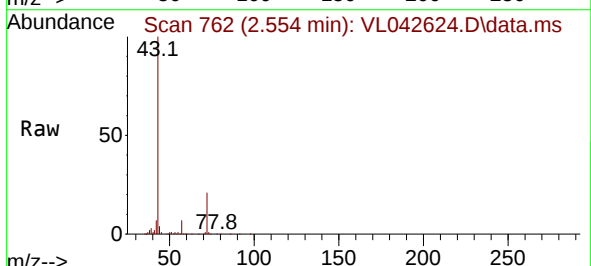
Delta R.T. -0.007 min

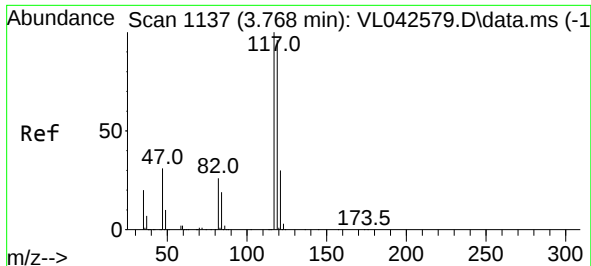
Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Tgt Ion: 43 Resp: 226773

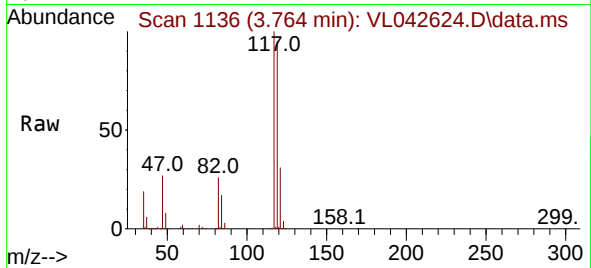
Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.7	26.5





#35
Carbon Tetrachloride
Concen: 11.107 ppbv
RT: 3.764 min Scan# 1136
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

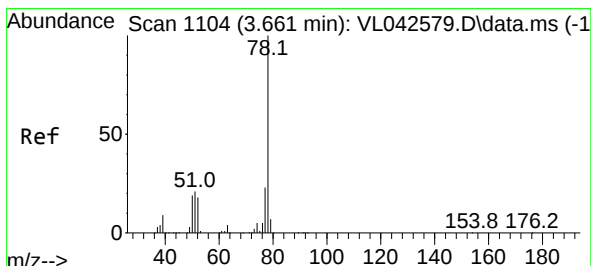
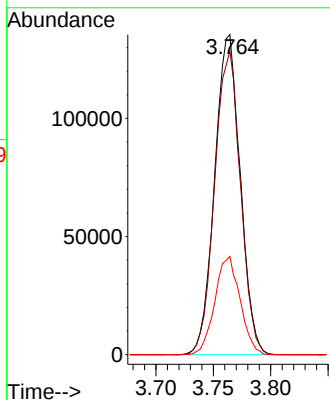
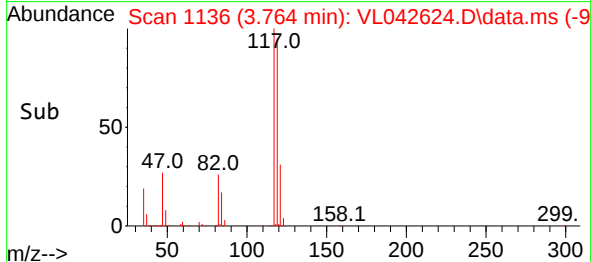
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01



Tgt Ion:117 Resp: 21022
Ion Ratio Lower Upper
117 100
119 94.9 76.8 115.2
121 30.7 24.3 36.5

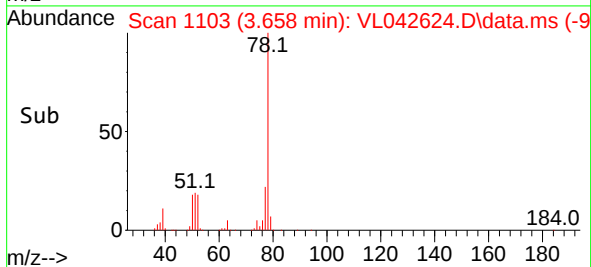
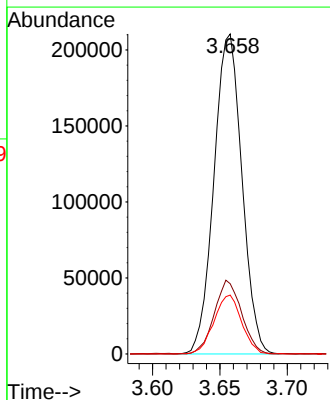
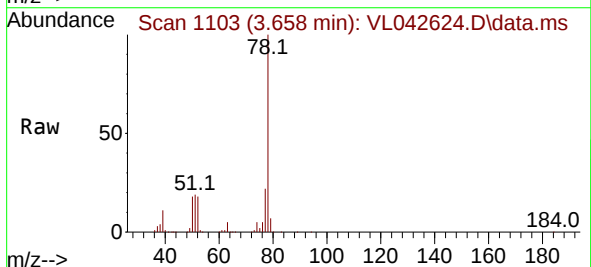
Manual Integrations
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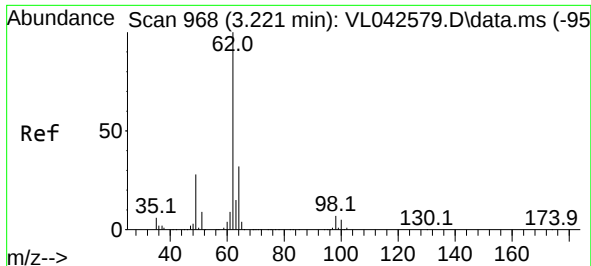
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#36
Benzene
Concen: 10.780 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

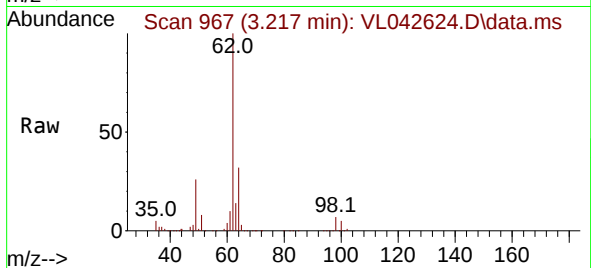
Tgt Ion: 78 Resp: 304362
Ion Ratio Lower Upper
78 100
77 21.9 18.2 27.2
50 18.4 15.2 22.8





#37
1,2-Dichloroethane
Concen: 11.680 ppbv
RT: 3.217 min Scan# 967
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

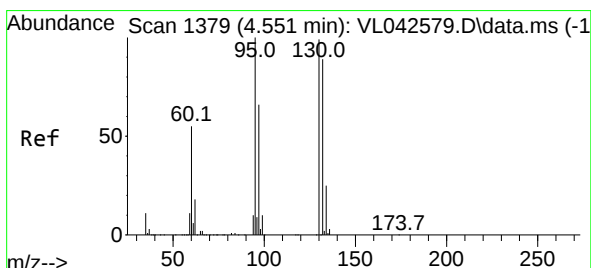
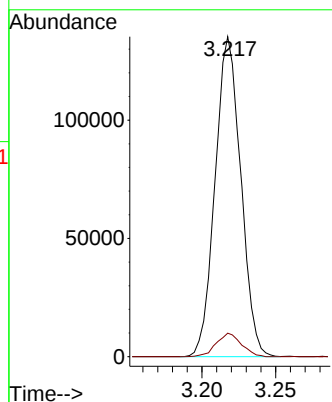
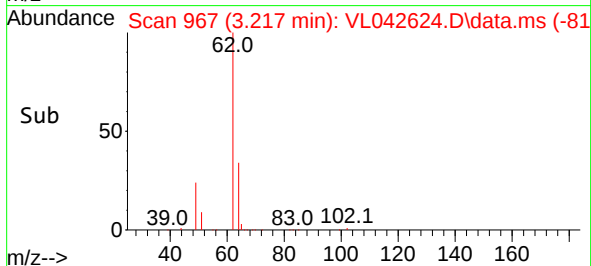
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01



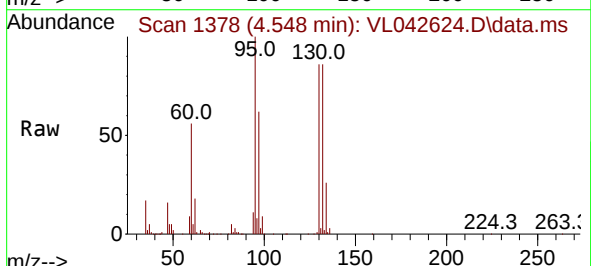
Tgt Ion: 62 Resp: 163904
Ion Ratio Lower Upper
62 100
98 7.2 6.1 9.1

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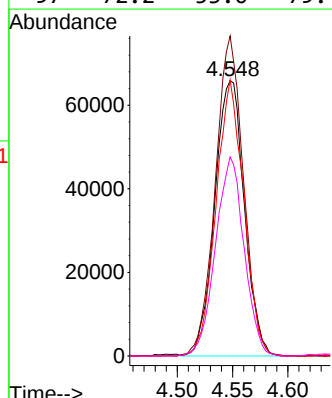
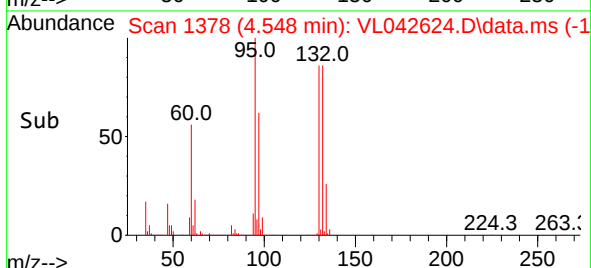
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

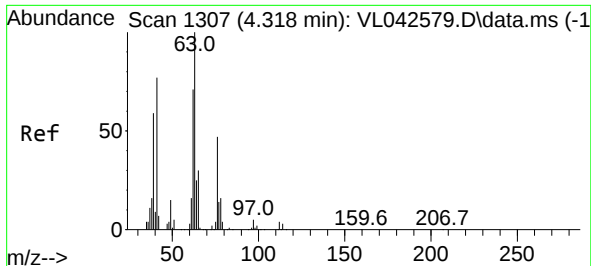


#38
Trichloroethene
Concen: 10.210 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29



Tgt Ion:130 Resp: 122527
Ion Ratio Lower Upper
130 100
95 116.0 80.6 121.0
132 100.1 71.8 107.6
97 72.2 53.0 79.4





#39

1,2-Dichloropropane

Concen: 10.579 ppbv

RT: 4.315 min Scan# 110459

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

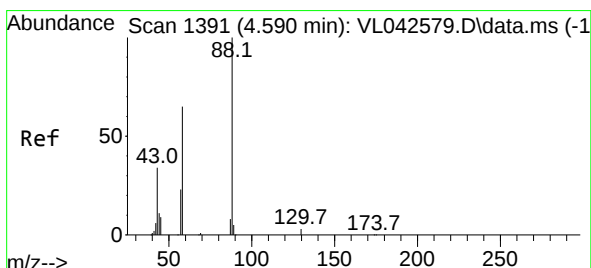
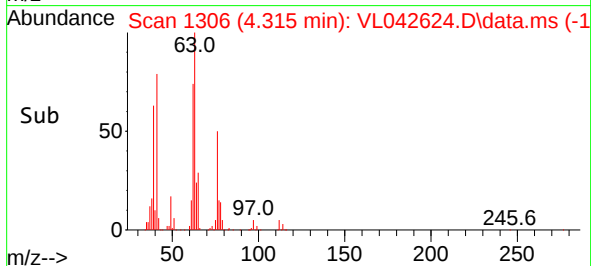
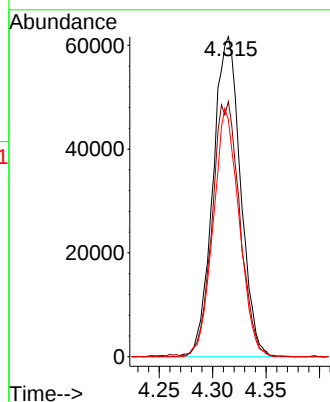
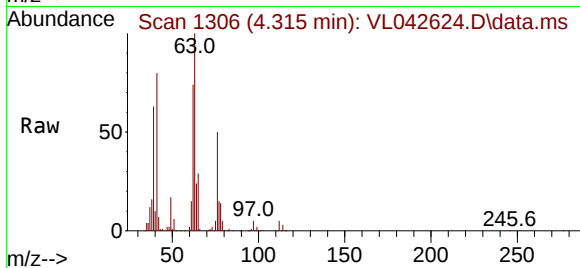
Tgt Ion: 63 Resp: 110459

Ion	Ratio	Lower	Upper
63	100		
41	79.5	61.8	92.6
62	74.0	56.6	85.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#40

1,4-Dioxane

Concen: 10.339 ppbv

RT: 4.577 min Scan# 1387

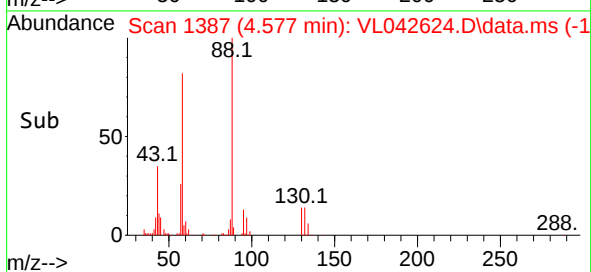
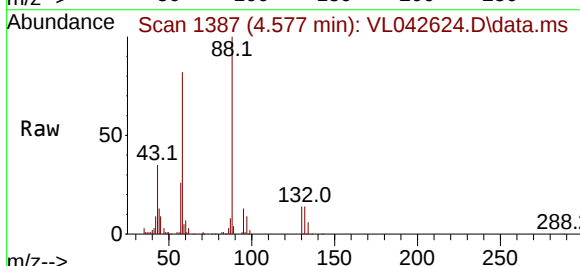
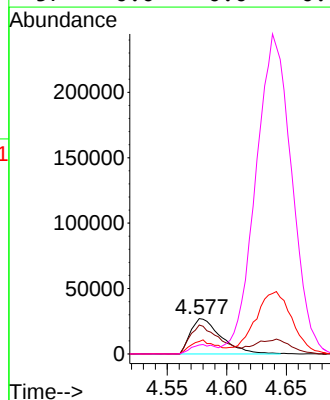
Delta R.T. -0.013 min

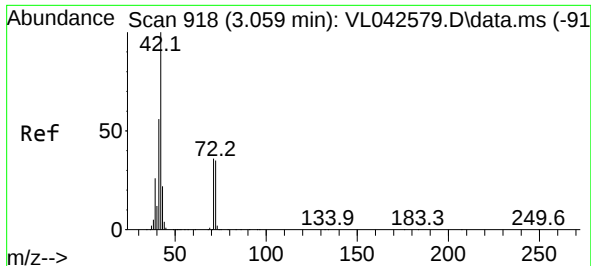
Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Tgt Ion: 88 Resp: 48307

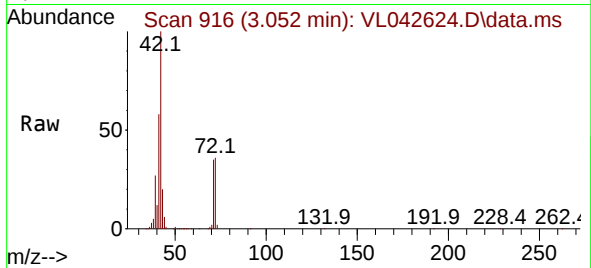
Ion	Ratio	Lower	Upper
88	100		
58	81.6	55.8	83.8
43	31.7	24.8	37.2
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 10.699 ppbv
RT: 3.052 min Scan# 918
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

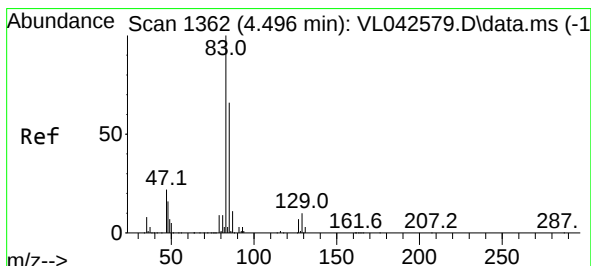
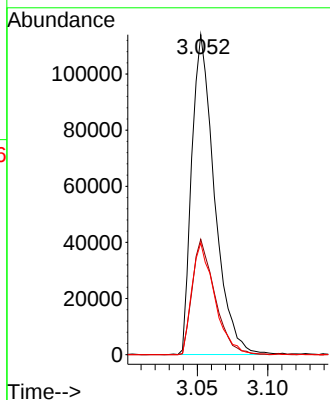
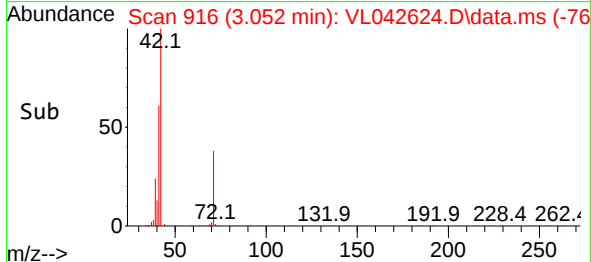
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01



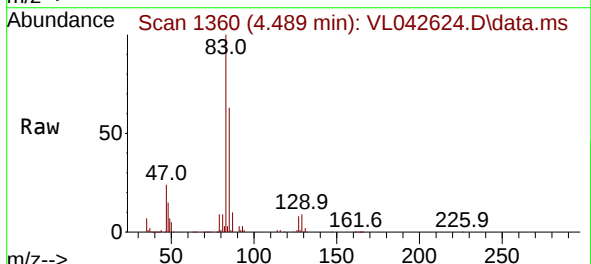
Tgt Ion: 42 Resp: 128060
Ion Ratio Lower Upper
42 100
72 36.0 28.9 43.3
71 35.0 28.5 42.7

Manual Integrations
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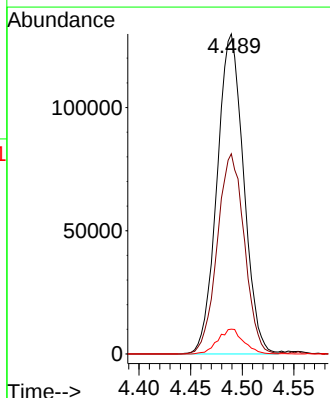
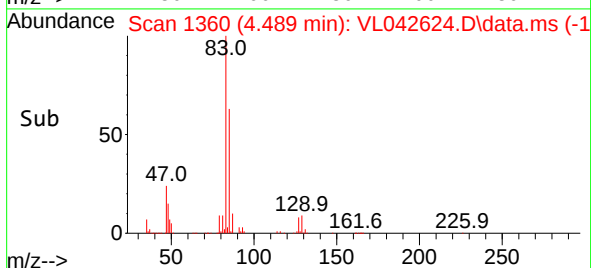
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

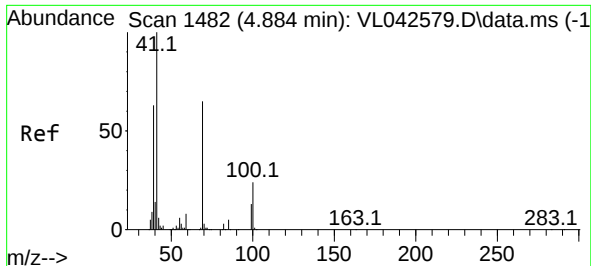


#42
Bromodichloromethane
Concen: 11.667 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29



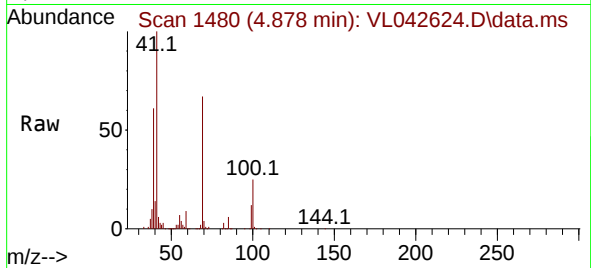
Tgt Ion: 83 Resp: 232526
Ion Ratio Lower Upper
83 100
85 62.6 52.7 79.1
127 7.7 5.8 8.6





#43
Methyl Methacrylate
Concen: 10.474 ppbv
RT: 4.878 min Scan# 1482
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

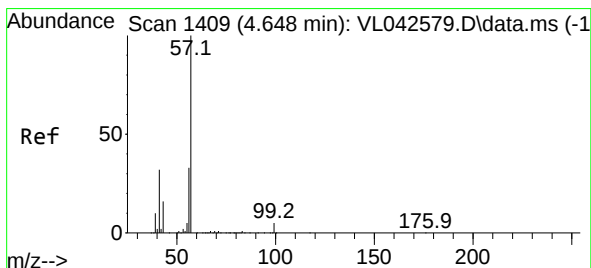
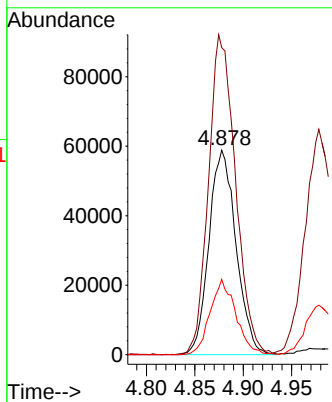
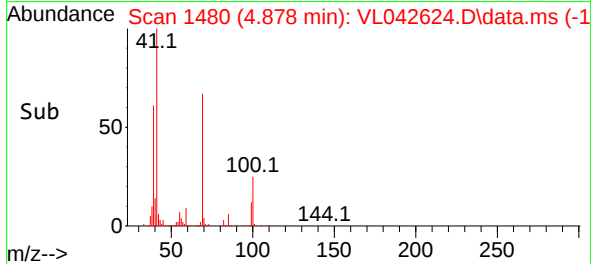
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01



Tgt Ion: 69 Resp: 114782
Ion Ratio Lower Upper
69 100
41 155.7 124.6 187.0
100 35.0 29.9 44.9

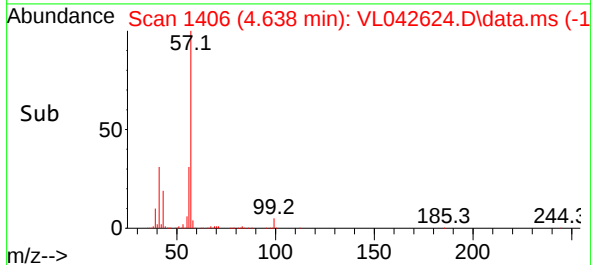
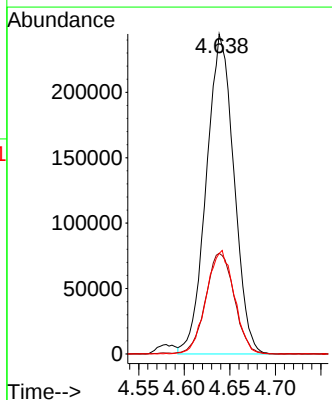
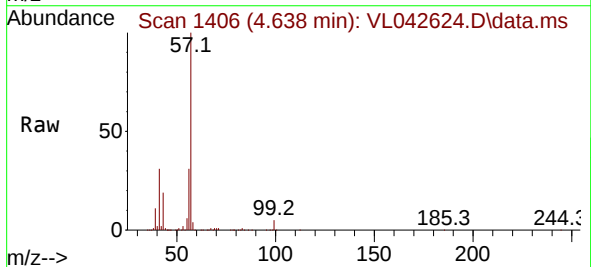
Manual Integrations
APPROVED

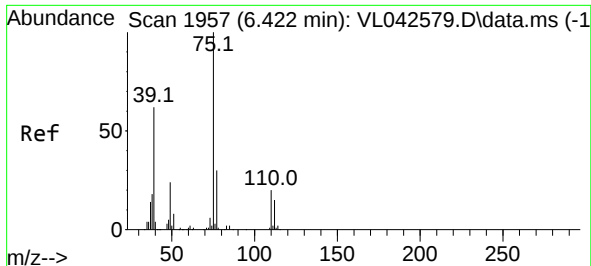
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#44
2,2,4-Trimethylpentane
Concen: 10.650 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.010 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 57 Resp: 514353
Ion Ratio Lower Upper
57 100
41 33.1 26.1 39.1
56 32.9 25.9 38.9





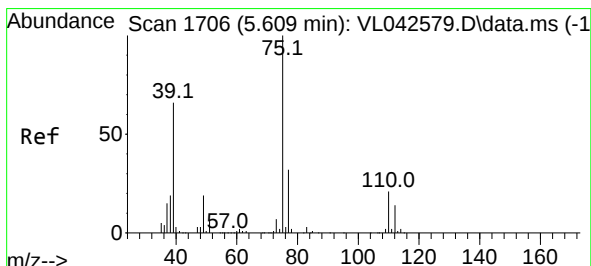
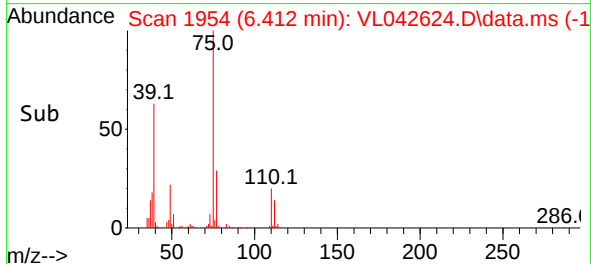
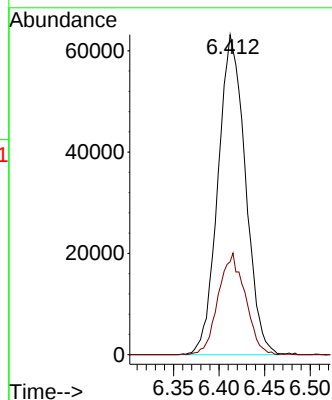
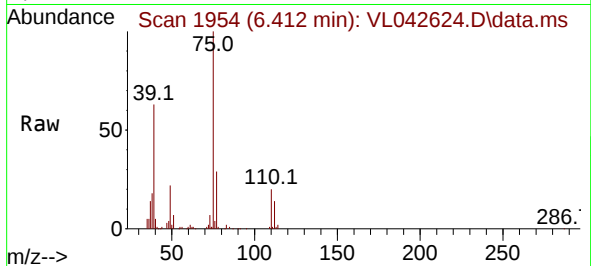
#45
t-1,3-Dichloropropene
Concen: 10.542 ppbv
RT: 6.412 min Scan# 1957
Delta R.T. -0.010 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 75 Resp: 13219
Ion Ratio Lower Upper
75 100
77 29.1 24.2 36.2

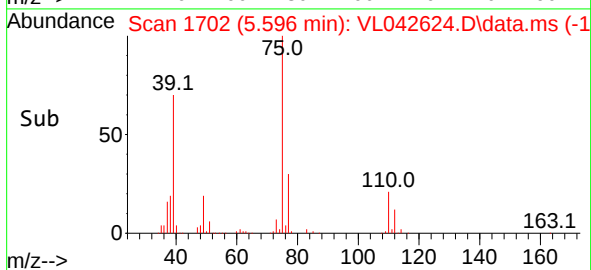
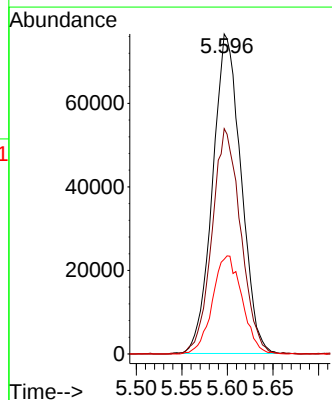
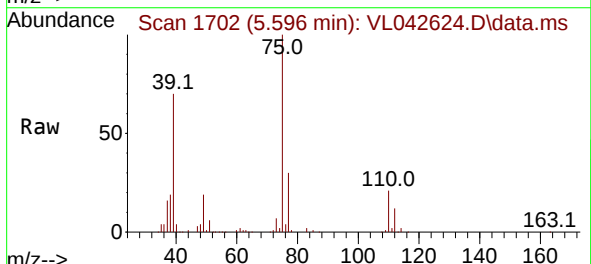
Manual Integrations
APPROVED

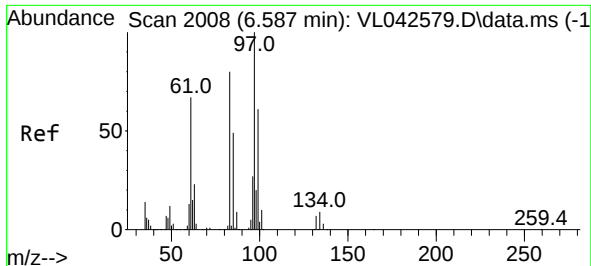
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#46
cis-1,3-Dichloropropene
Concen: 10.565 ppbv
RT: 5.596 min Scan# 1702
Delta R.T. -0.013 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

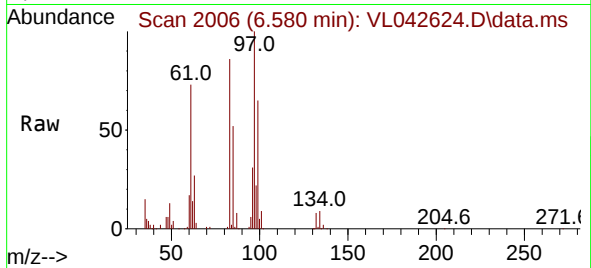
Tgt Ion: 75 Resp: 166004
Ion Ratio Lower Upper
75 100
39 70.4 52.7 79.1
77 29.7 25.8 38.8





#47
1,1,2-Trichloroethane
Concen: 10.792 ppbv
RT: 6.580 min Scan# 2006
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

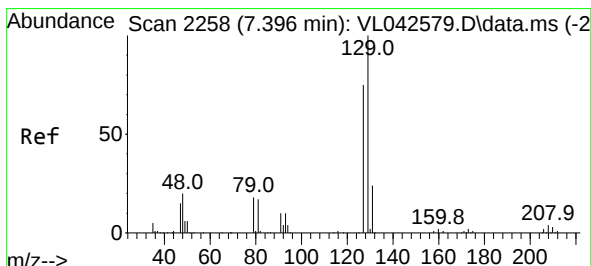
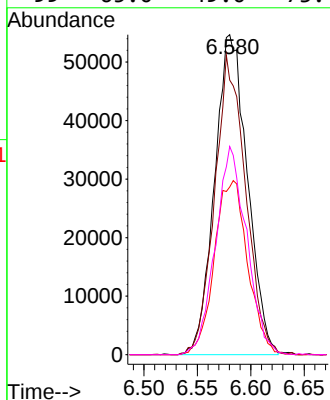
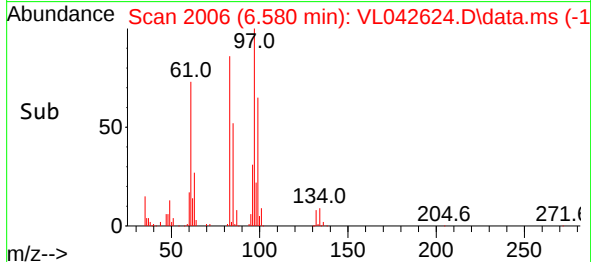
Instrument : MSVOA_L
ClientSampleId : VL0616ABS01



Tgt Ion: 97 Resp: 116650
Ion Ratio Lower Upper
97 100
83 85.8 63.9 95.9
85 52.4 39.2 58.8
99 65.0 49.0 73.4

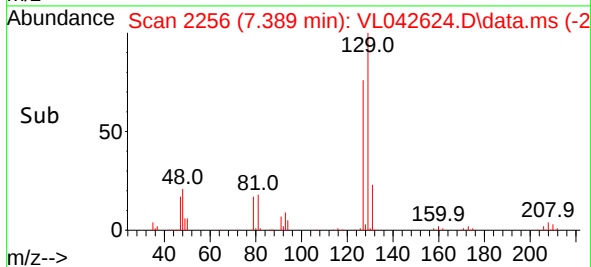
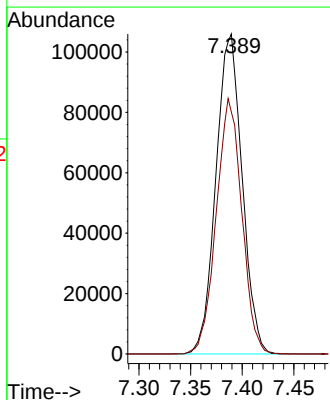
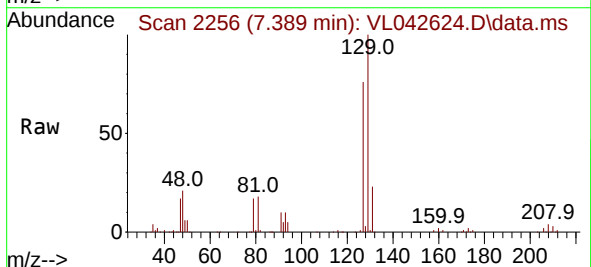
Manual Integrations
APPROVED

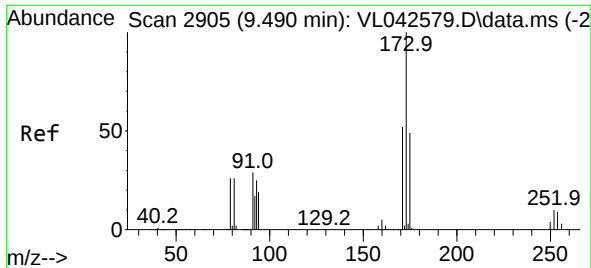
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#48
Dibromochloromethane
Concen: 10.821 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

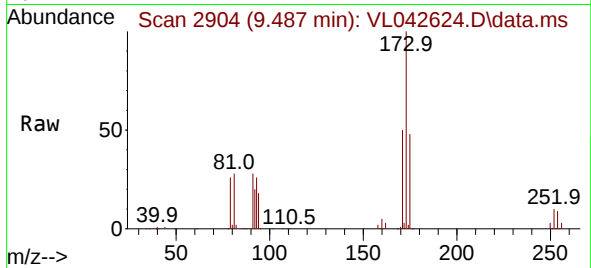
Tgt Ion:129 Resp: 187227
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9





#49
Bromoform
Concen: 10.844 ppbv
RT: 9.487 min Scan# 2904
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

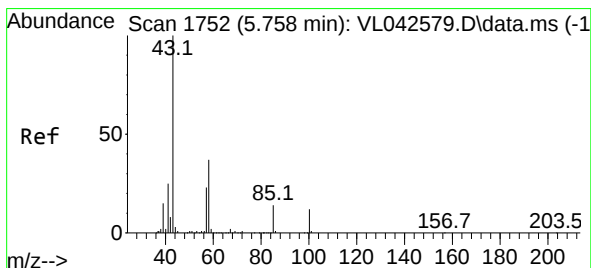
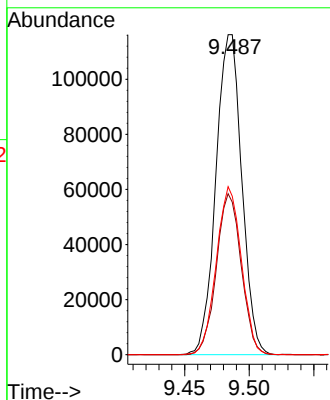
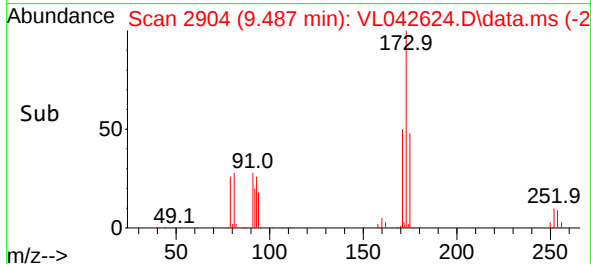
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01



Tgt Ion:173 Resp: 16190
Ion Ratio Lower Upper
173 100
175 48.3 38.7 58.1
171 50.9 41.2 61.8

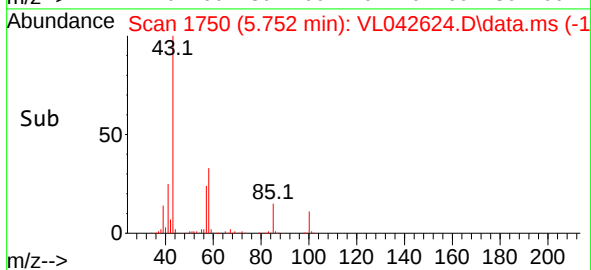
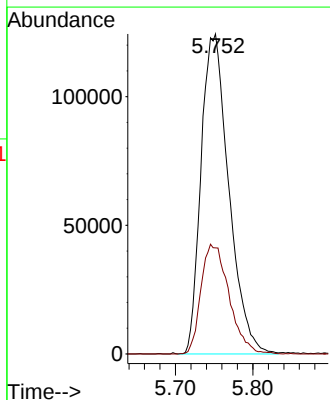
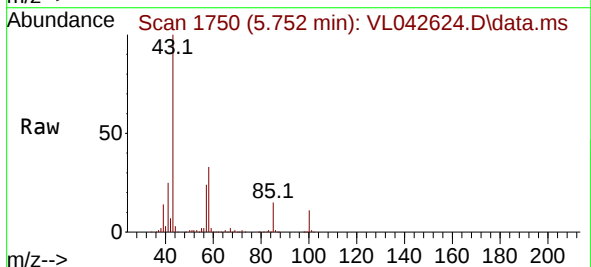
Manual Integrations
APPROVED

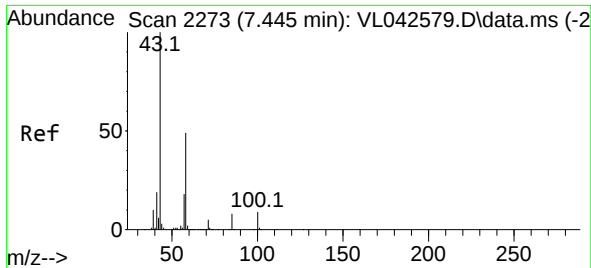
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#50
4-Methyl-2-Pentanone
Concen: 10.917 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 43 Resp: 309608
Ion Ratio Lower Upper
43 100
58 34.7 28.3 42.5





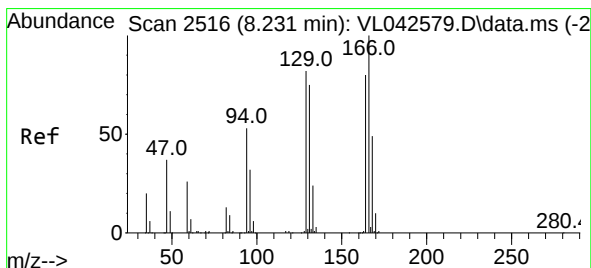
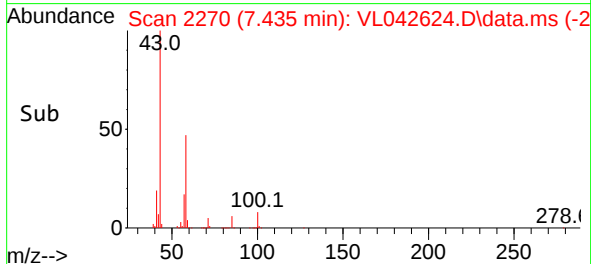
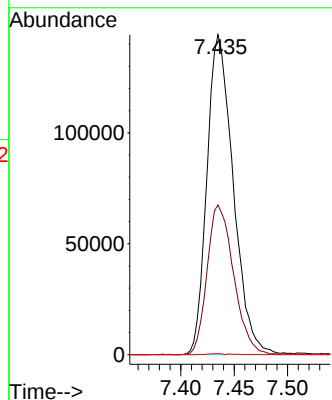
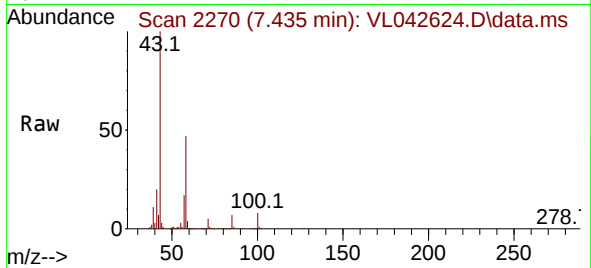
#51
2-Hexanone
Concen: 10.989 ppbv
RT: 7.435 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 43 Resp: 247180
Ion Ratio Lower Upper
43 100
58 47.5 39.9 59.9
98 0.3 0.1 0.1

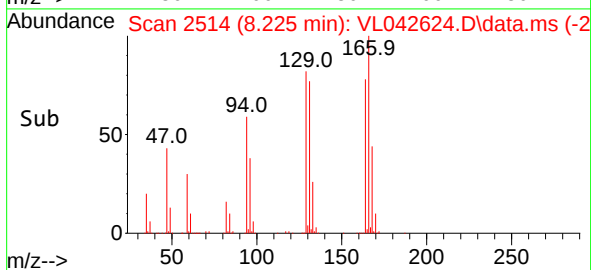
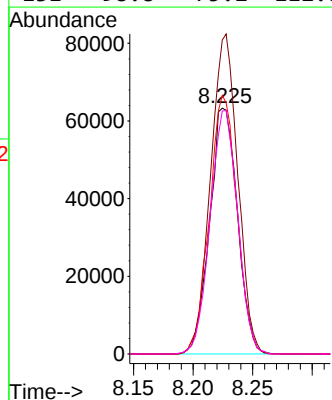
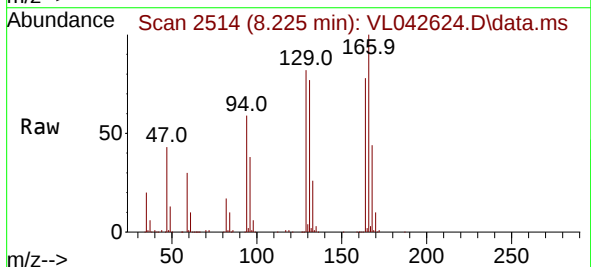
Manual Integrations
APPROVED

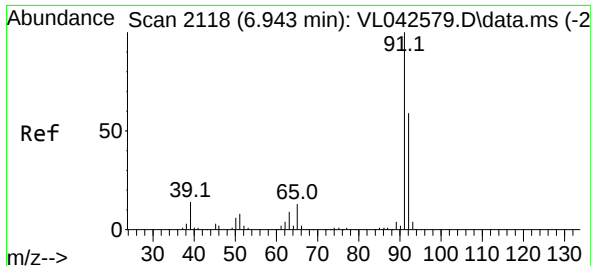
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#52
Tetrachloroethene
Concen: 9.728 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:164 Resp: 102638
Ion Ratio Lower Upper
164 100
166 127.7 100.0 150.0
129 105.2 82.2 123.4
131 98.8 75.2 112.8





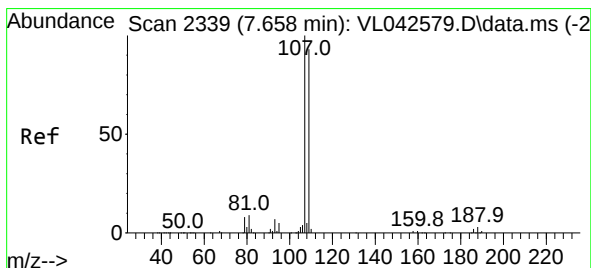
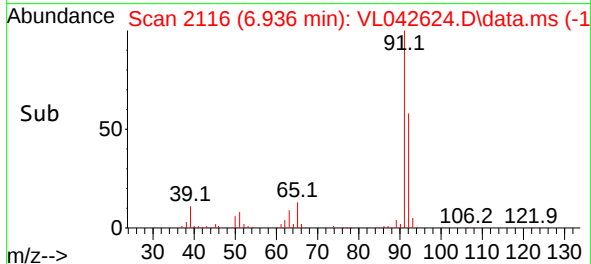
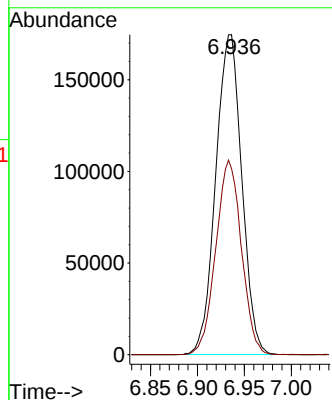
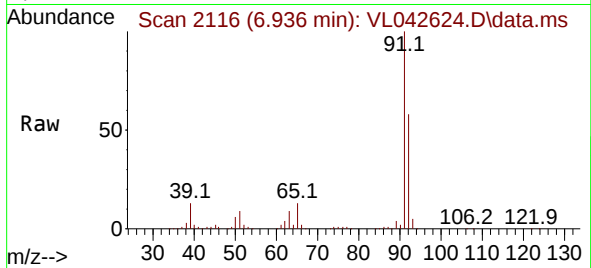
#53
Toluene
Concen: 10.328 ppbv
RT: 6.936 min Scan# 2118
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 91 Resp: 337040
Ion Ratio Lower Upper
91 100
92 59.8 48.2 72.4

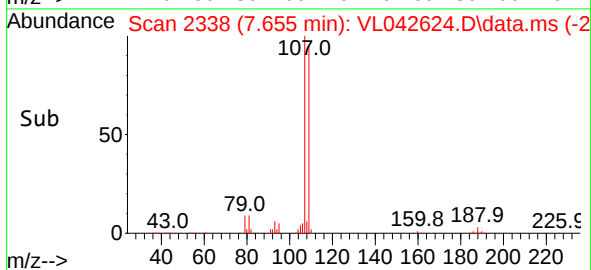
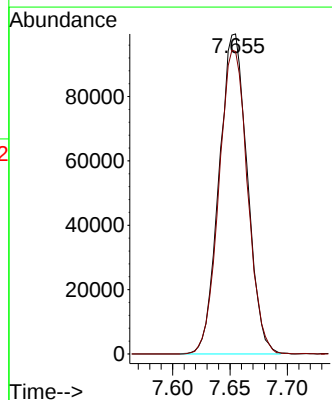
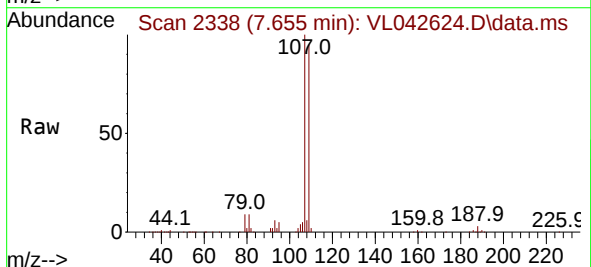
Manual Integrations
APPROVED

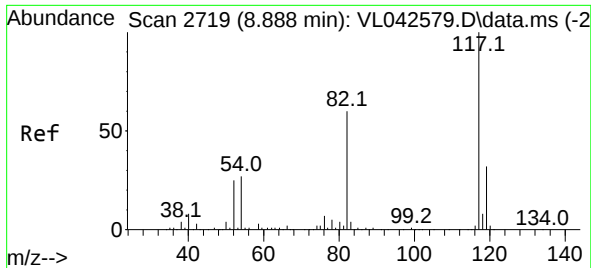
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#54
1,2-Dibromoethane
Concen: 10.630 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:107 Resp: 170053
Ion Ratio Lower Upper
107 100
109 94.6 74.3 111.5





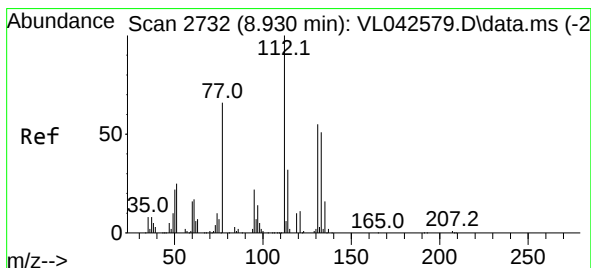
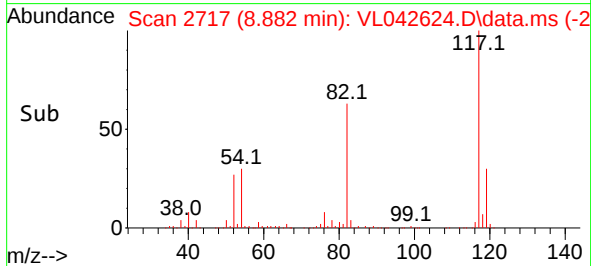
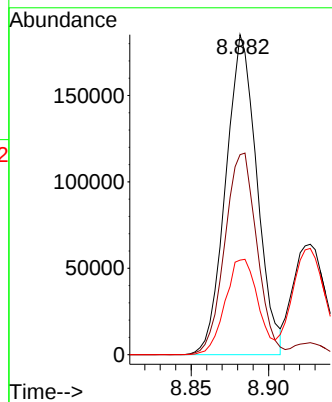
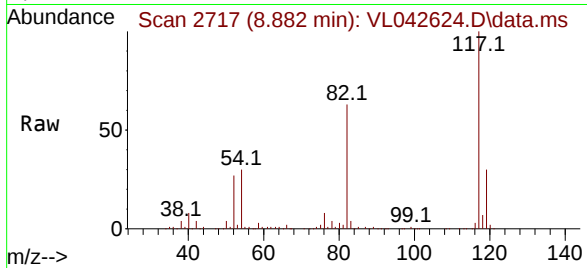
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2719
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument : MSVOA_L
ClientSampleId : VL0616ABS01

Tgt Ion:117 Resp: 25946
Ion Ratio Lower Upper
117 100
82 68.7 51.2 76.8
119 32.4 26.3 39.5

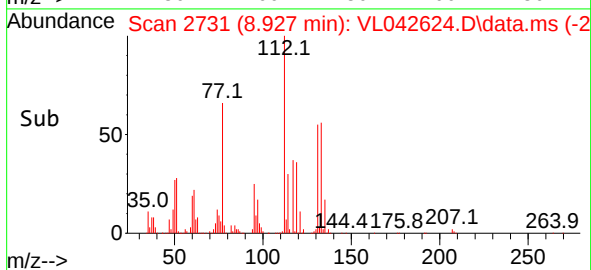
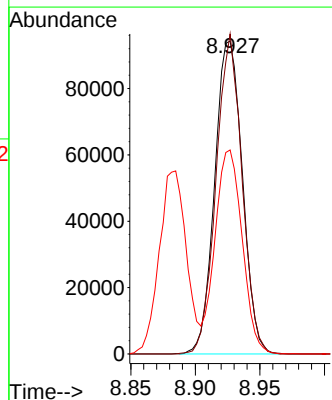
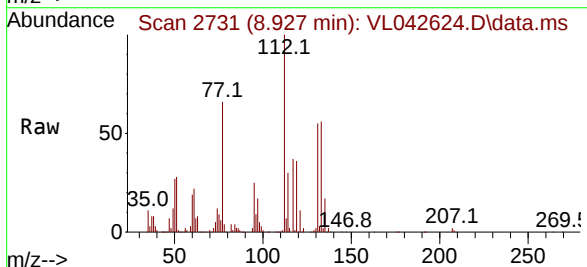
Manual Integrations
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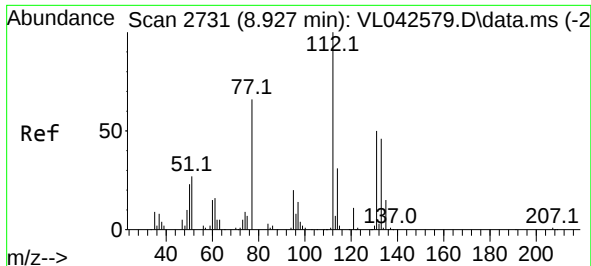
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 10.780 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

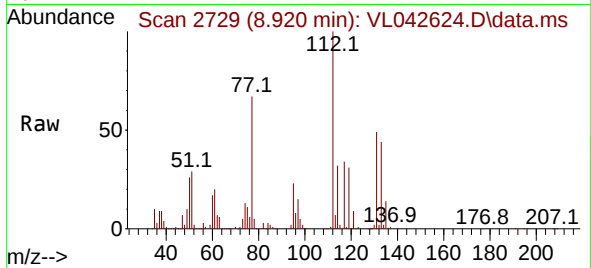
Tgt Ion:131 Resp: 140643
Ion Ratio Lower Upper
131 100
133 95.7 75.0 112.6
119 65.1 50.8 76.2





#57
Chlorobenzene
Concen: 10.515 ppbv
RT: 8.920 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

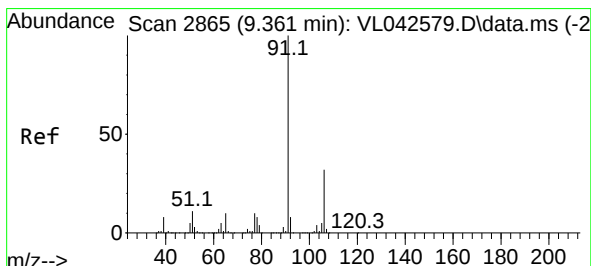
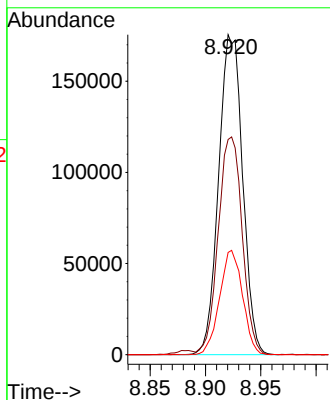
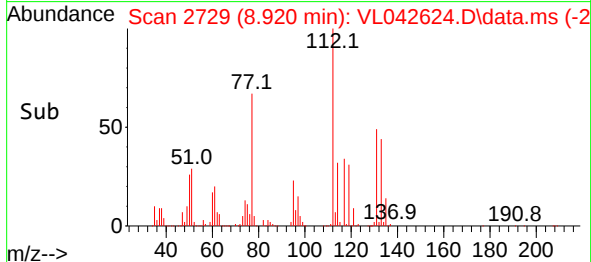
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01



Tgt Ion:112 Resp: 26489
Ion Ratio Lower Upper
112 100
77 67.3 53.5 80.3
114 31.9 27.8 34.0

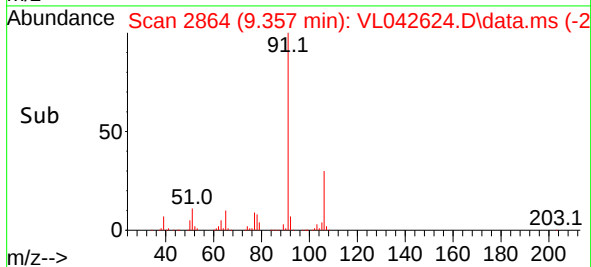
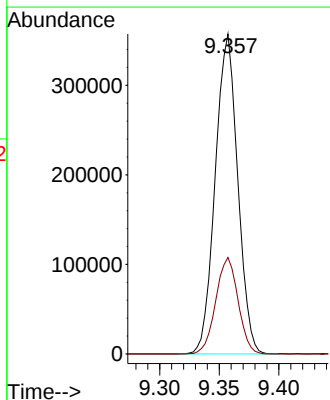
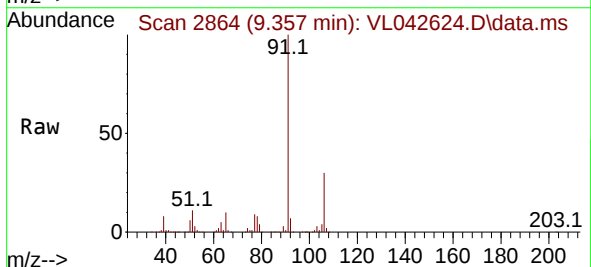
Manual Integrations
APPROVED

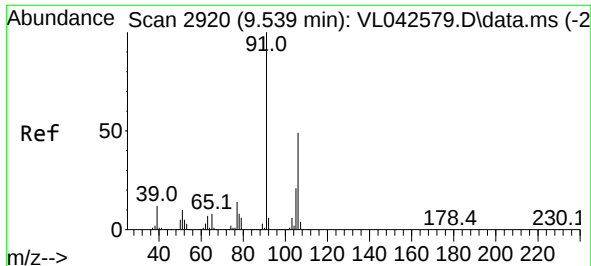
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#58
Ethyl Benzene
Concen: 10.634 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 91 Resp: 467998
Ion Ratio Lower Upper
91 100
106 30.2 25.9 38.9





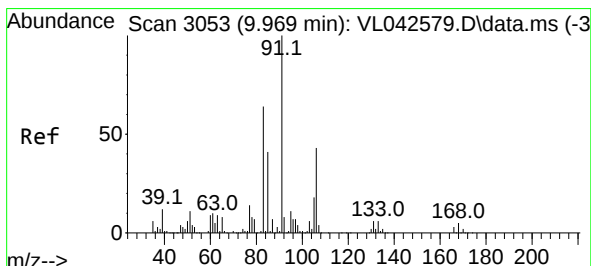
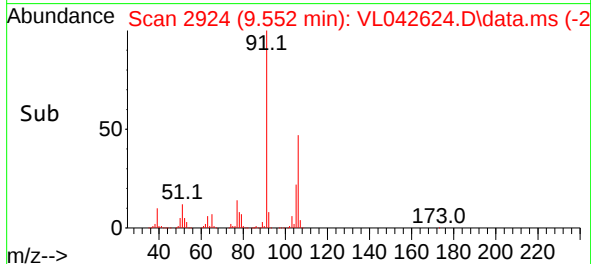
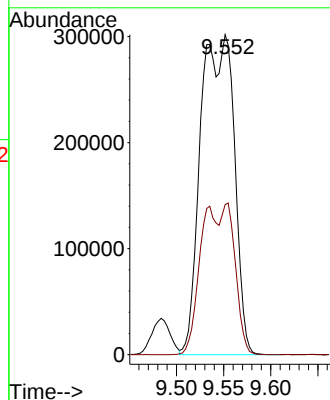
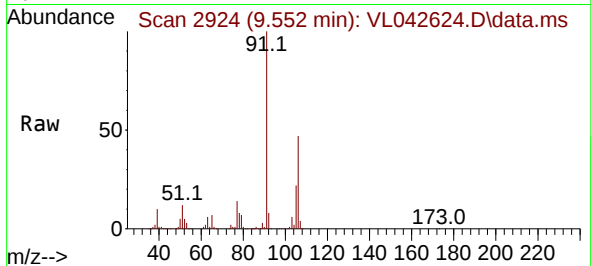
#59
m/p-Xylene
Concen: 21.566 ppbv m
RT: 9.552 min Scan# 2924
Delta R.T. 0.013 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 91 Resp: 74693
Ion Ratio Lower Upper
91 100
106 0.0 38.8 58.2

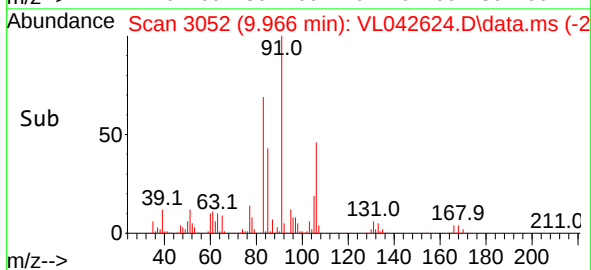
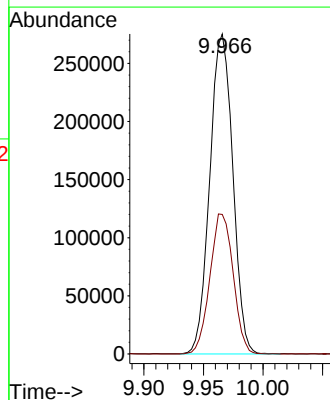
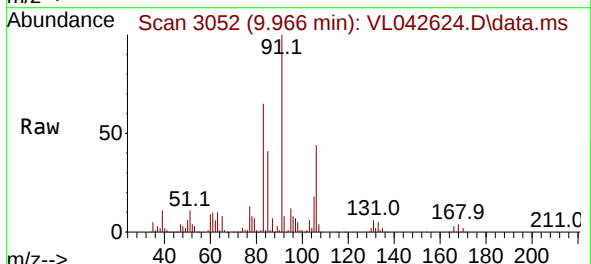
Manual Integrations
APPROVED

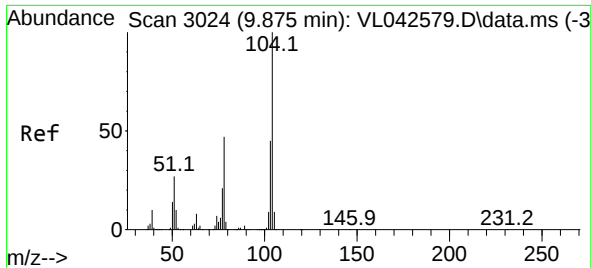
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#60
o-Xylene
Concen: 10.704 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 91 Resp: 369758
Ion Ratio Lower Upper
91 100
106 44.2 22.9 68.5





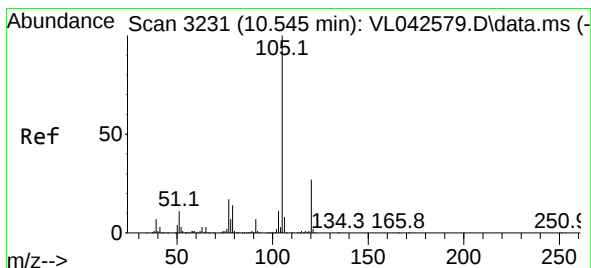
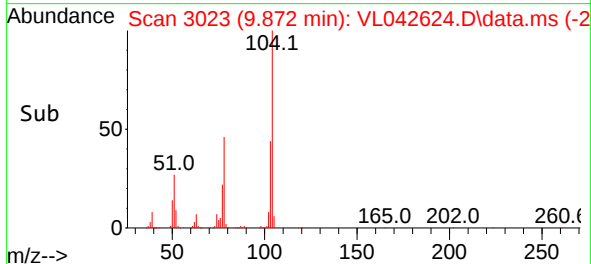
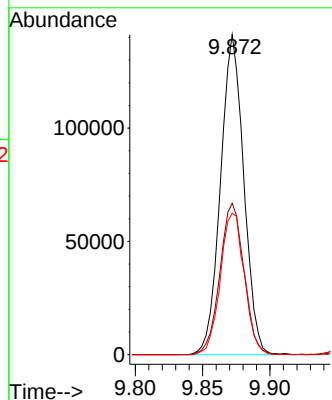
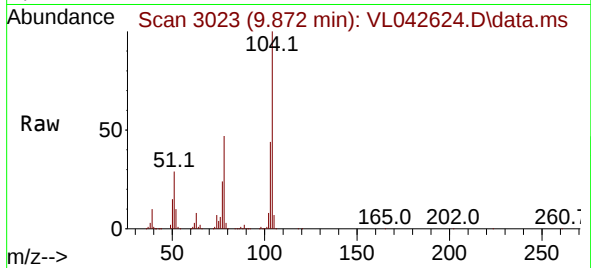
#61
Styrene
Concen: 10.371 ppbv
RT: 9.872 min Scan# 3024
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument : MSVOA_L
ClientSampleId : VL0616ABS01

Tgt Ion:104 Resp: 169380
Ion Ratio Lower Upper
104 100
78 48.8 38.2 57.4
103 46.1 36.7 55.1

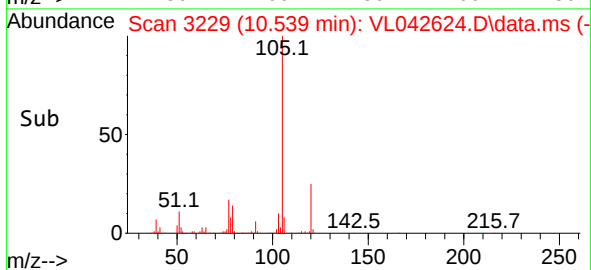
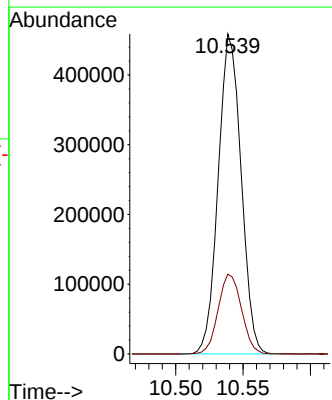
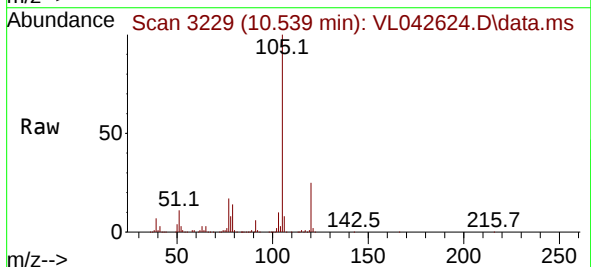
Manual Integrations
APPROVED

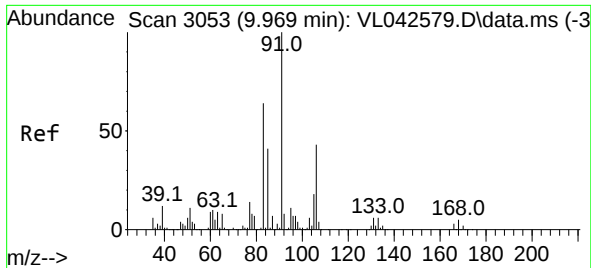
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#62
Isopropylbenzene
Concen: 10.613 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

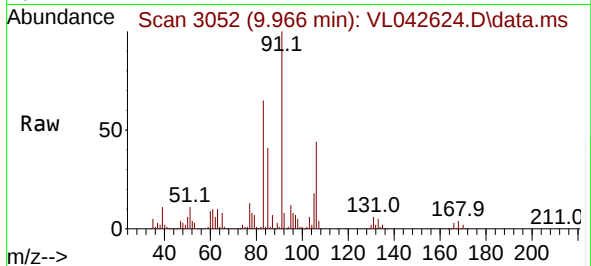
Tgt Ion:105 Resp: 541625
Ion Ratio Lower Upper
105 100
120 25.4 20.9 31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 10.704 ppbv
RT: 9.966 min Scan# 3053
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

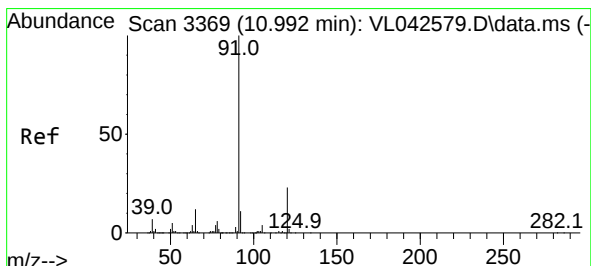
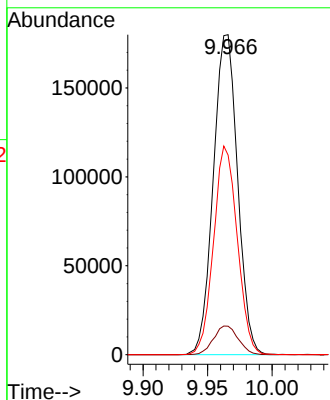
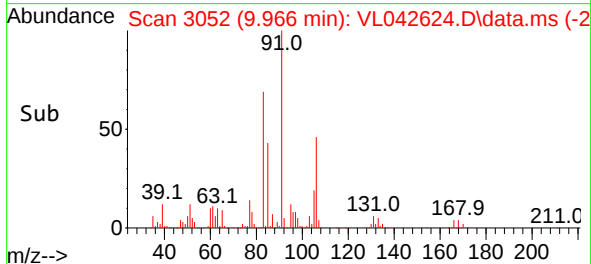
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01



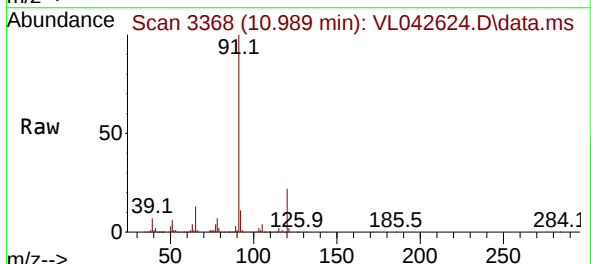
Tgt Ion: 83 Resp: 23511
Ion Ratio Lower Upper
83 100
131 9.2 4.8 14.4
85 63.6 32.5 97.4

Manual Integrations
APPROVED

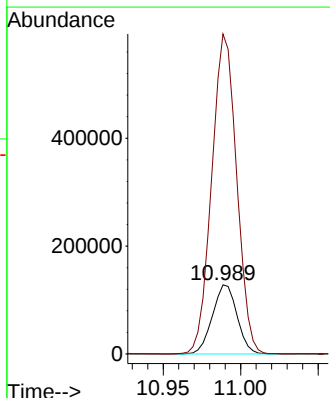
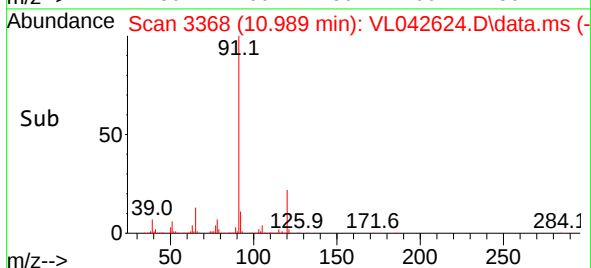
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

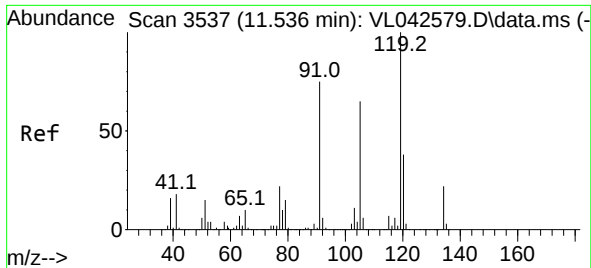


#64
n-propylbenzene
Concen: 10.363 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29



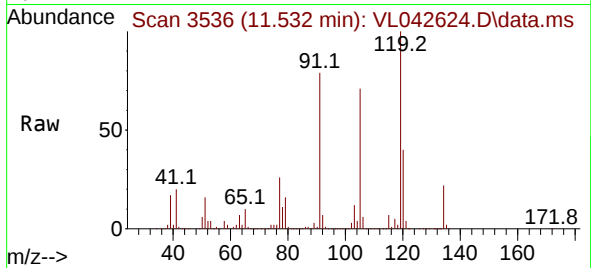
Tgt Ion:120 Resp: 141765
Ion Ratio Lower Upper
120 100
91 468.6 363.0 544.6





#65
tert-Butylbenzene
Concen: 10.134 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

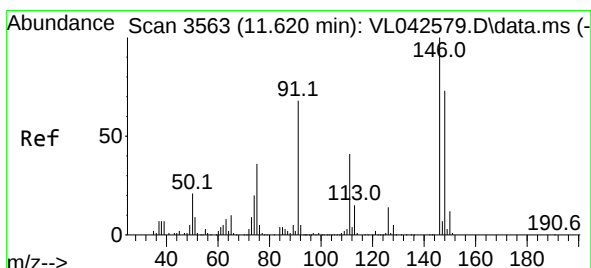
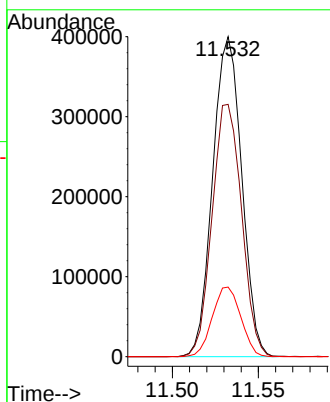
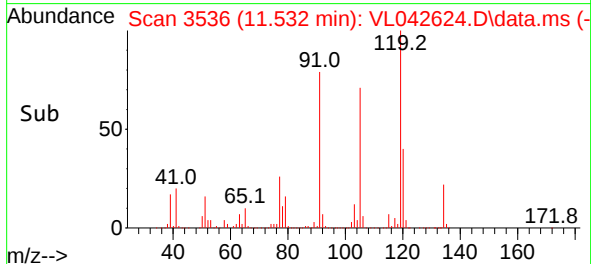
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01



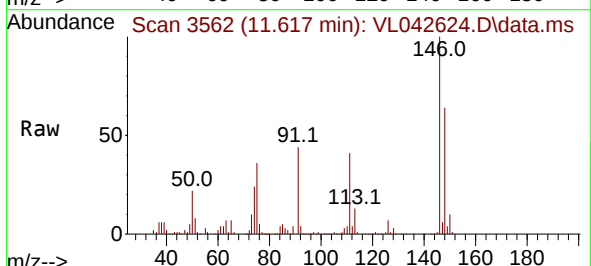
Tgt Ion:119 Resp: 469290
Ion Ratio Lower Upper
119 100
91 80.1 61.1 91.7
134 21.3 17.4 26.2

Manual Integrations
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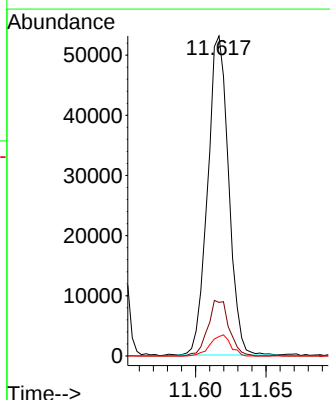
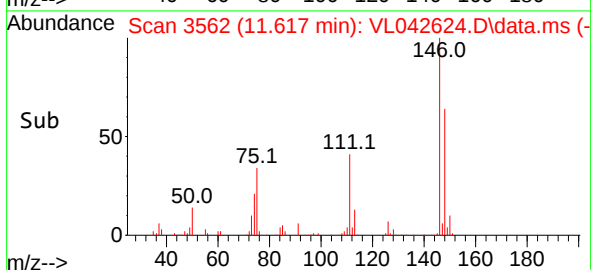
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

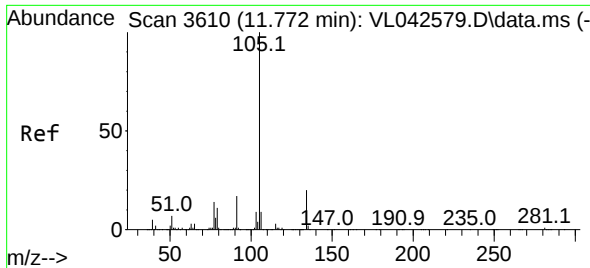


#66
Benzyl Chloride
Concen: 9.221 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29



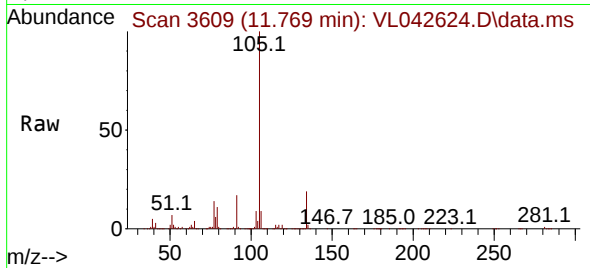
Tgt Ion: 91 Resp: 54970
Ion Ratio Lower Upper
91 100
126 17.6 15.1 22.7
128 6.4 5.0 7.6





#67
 sec-Butylbenzene
 Concen: 10.320 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. -0.003 min
 Lab File: VL042624.D
 Acq: 16 Jun 2025 10:29

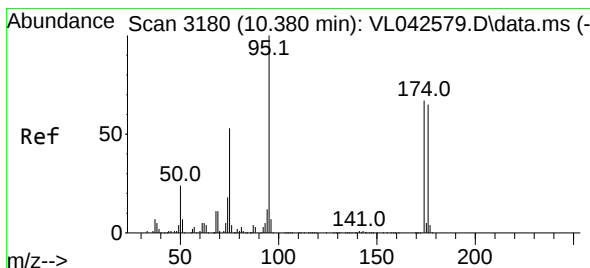
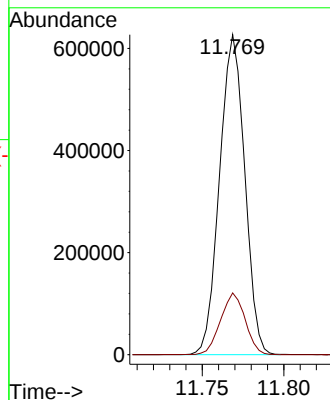
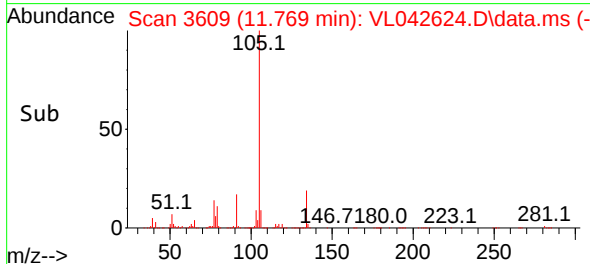
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01



Tgt Ion:105 Resp: 67193
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.8 23.6

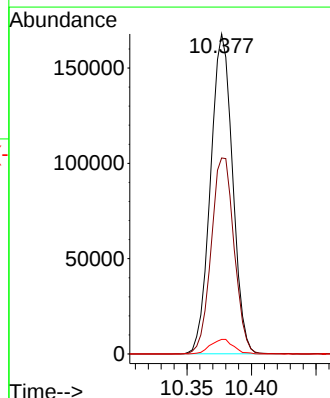
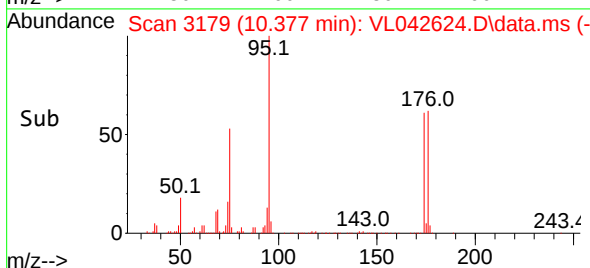
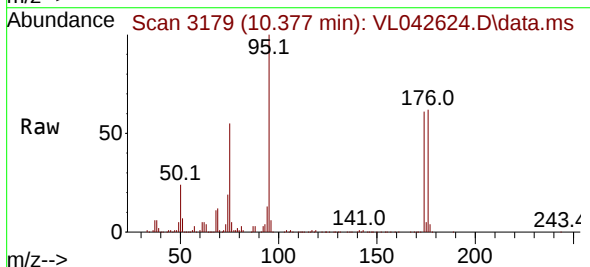
Manual Integrations
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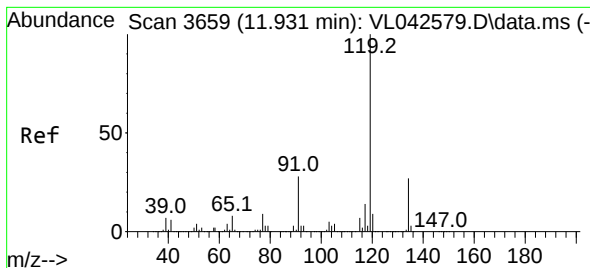
Reviewed By :Semsettin Yesilyurt 06/17/2025
 Supervised By :Mahesh Dadoda 06/17/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.237 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. -0.003 min
 Lab File: VL042624.D
 Acq: 16 Jun 2025 10:29

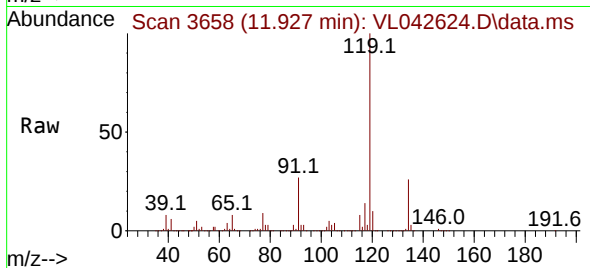
Tgt Ion: 95 Resp: 199109
 Ion Ratio Lower Upper
 95 100
 174 64.0 53.1 79.7
 175 4.8 4.2 6.2





#69
p-Isopropyltoluene
Concen: 10.198 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

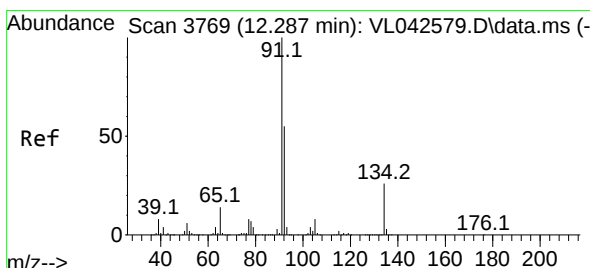
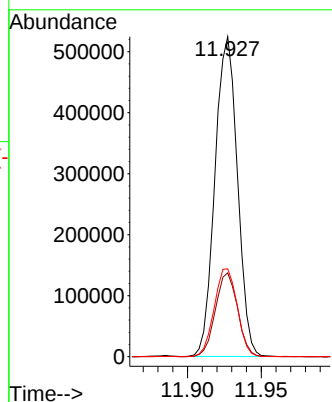
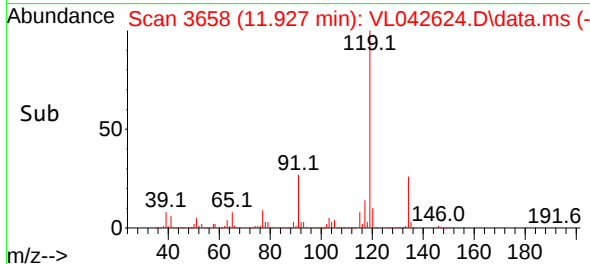
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01



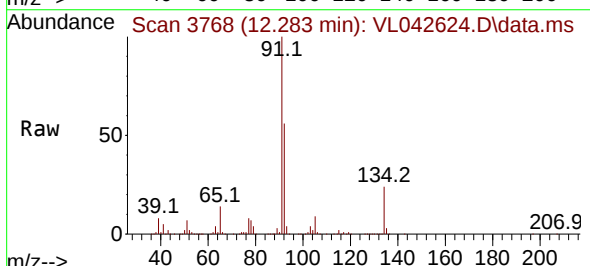
Tgt Ion: 119 Resp: 556052
Ion Ratio Lower Upper
119 100
134 26.0 21.1 31.7
91 28.3 21.9 32.9

Manual Integrations
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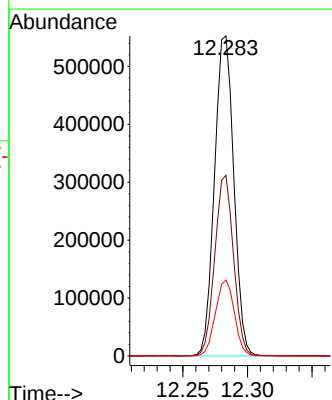
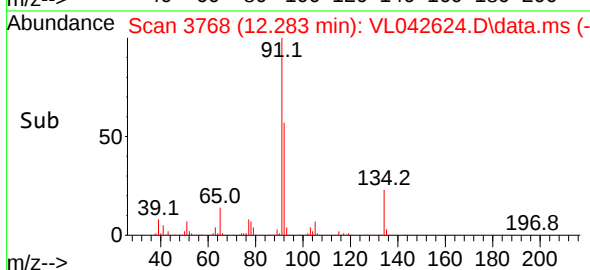
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

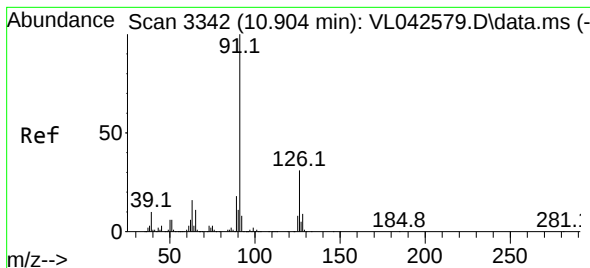


#70
n-Butylbenzene
Concen: 10.653 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29



Tgt Ion: 91 Resp: 573365
Ion Ratio Lower Upper
91 100
92 54.9 44.4 66.6
134 23.4 20.1 30.1





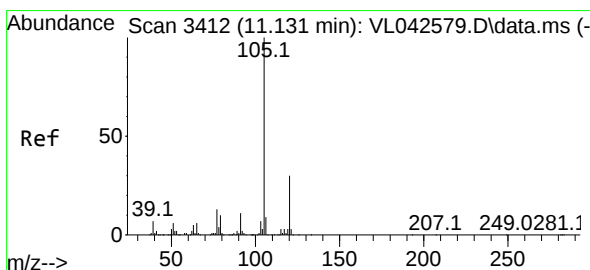
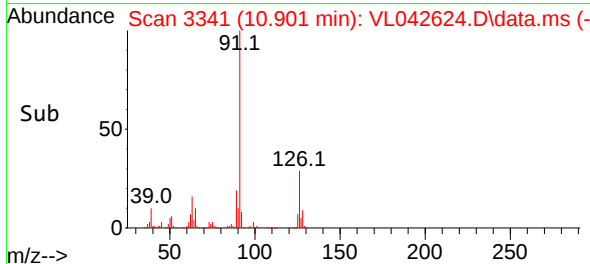
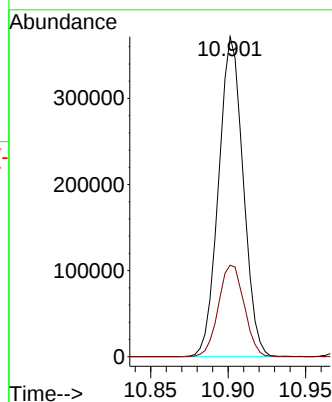
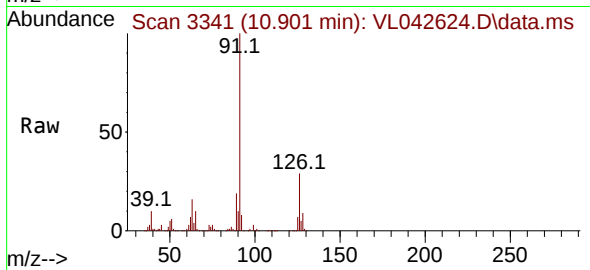
#71
2-Chlorotoluene
Concen: 10.535 ppbv
RT: 10.901 min Scan# 310
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 91 Resp: 410090
Ion Ratio Lower Upper
91 100
126 29.9 12.6 50.4

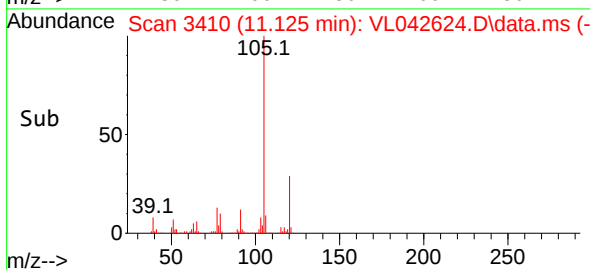
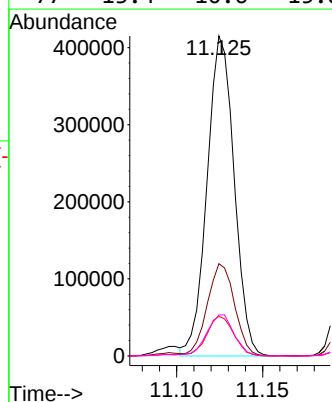
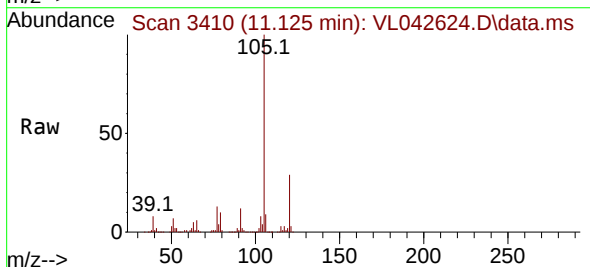
Manual Integrations
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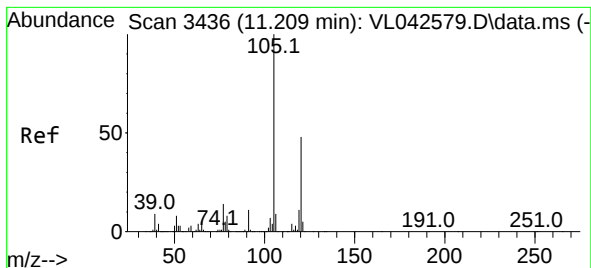
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#72
4-Ethyltoluene
Concen: 10.547 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:105 Resp: 454234
Ion Ratio Lower Upper
105 100
120 30.0 24.6 36.8
91 12.9 9.6 14.4
77 13.4 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 10.597 ppbv

RT: 11.205 min Scan# 3436

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tgt Ion:105 Resp: 377709

Ion Ratio Lower Upper

105 100

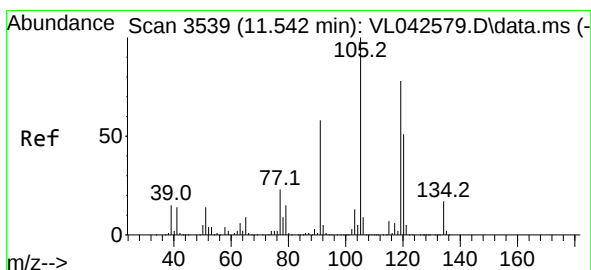
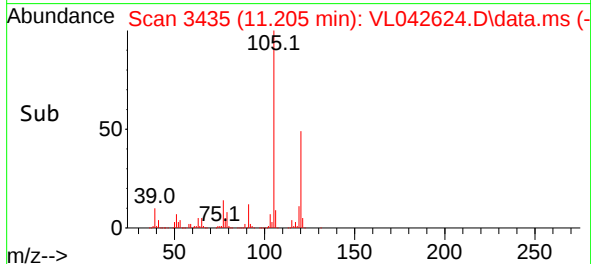
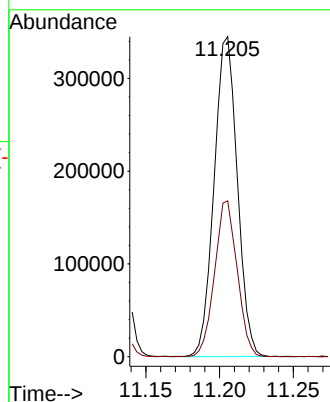
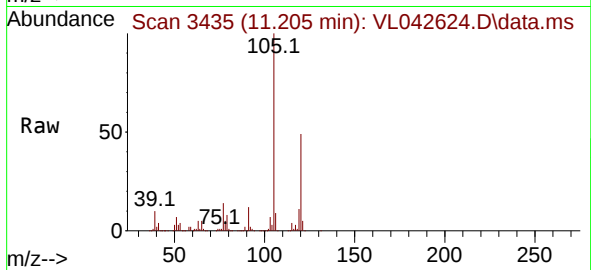
120 48.7 38.8 58.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025

Supervised By :Mahesh Dadoda 06/17/2025



#74

1,2,4-Trimethylbenzene

Concen: 10.399 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Tgt Ion:105 Resp: 411337

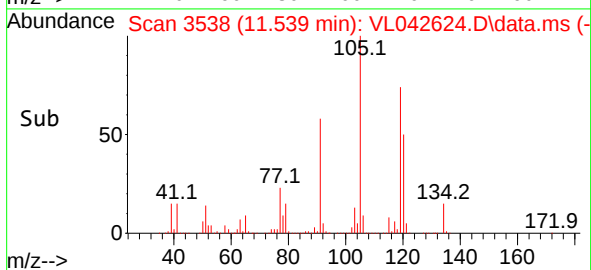
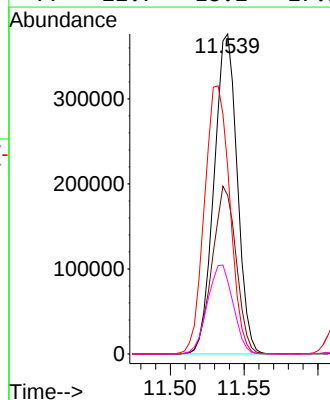
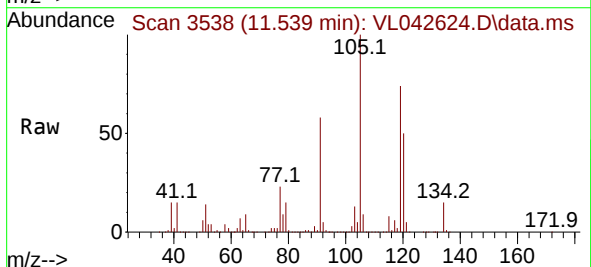
Ion Ratio Lower Upper

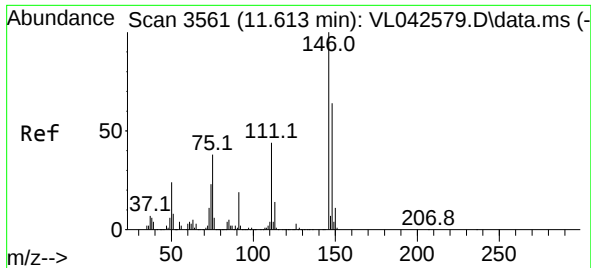
105 100

120 49.5 40.8 61.2

91 58.4 46.8 70.2

77 22.7 18.2 27.2





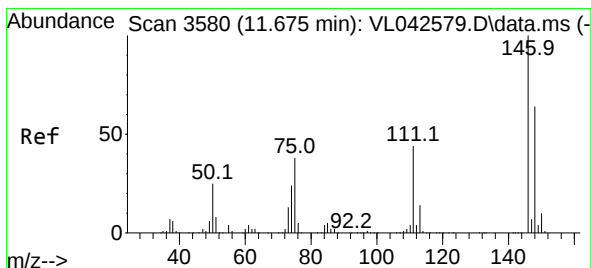
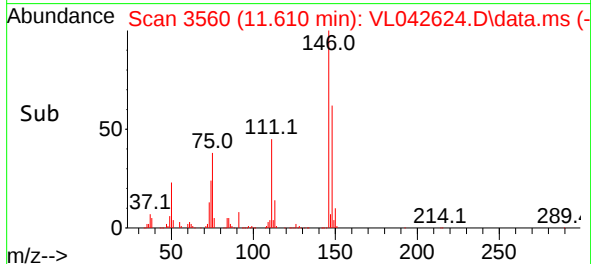
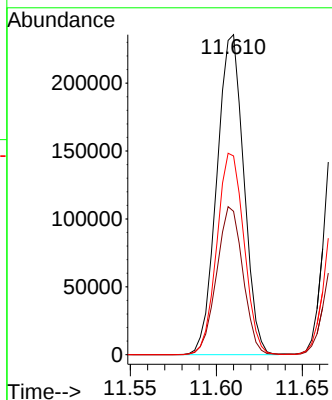
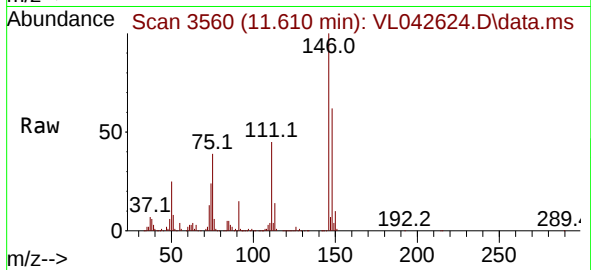
#75
1,3-Dichlorobenzene
Concen: 10.351 ppbv
RT: 11.610 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:146 Resp: 257111
Ion Ratio Lower Upper
146 100
111 45.2 22.4 67.3
148 63.3 32.0 96.2

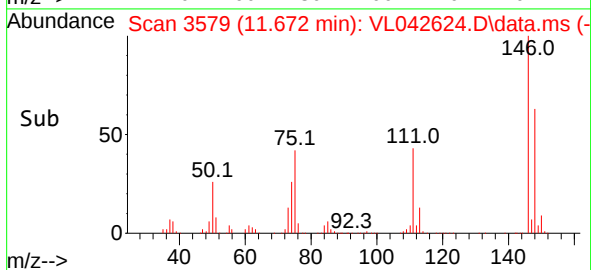
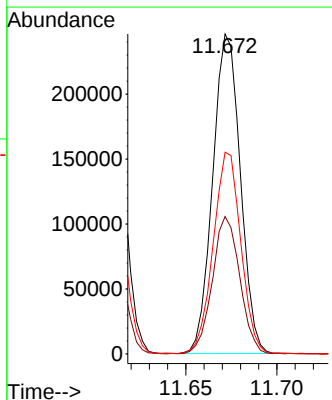
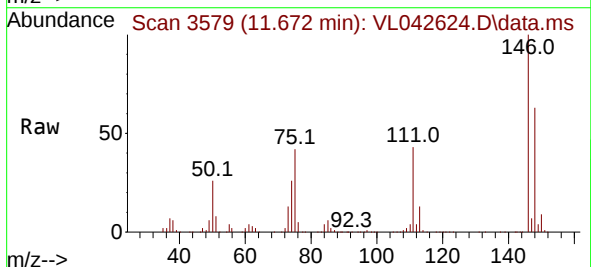
Manual Integrations
APPROVED

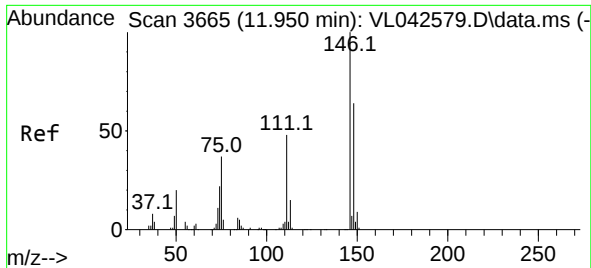
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#76
1,4-Dichlorobenzene
Concen: 10.470 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:146 Resp: 259390
Ion Ratio Lower Upper
146 100
111 43.0 21.6 64.8
148 63.5 32.1 96.5





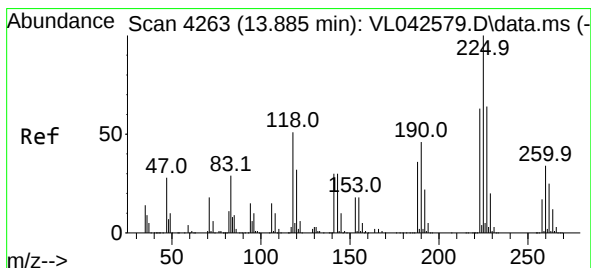
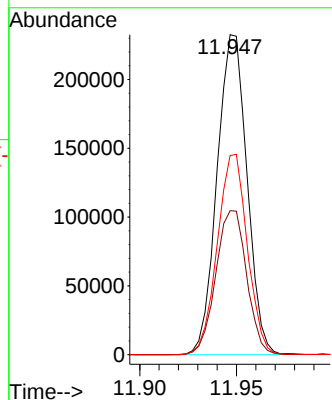
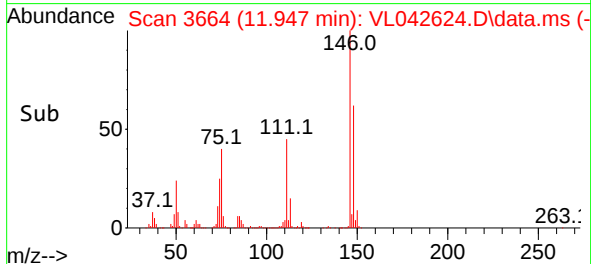
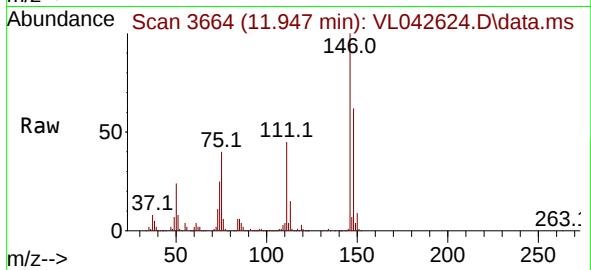
#77
1,2-Dichlorobenzene
Concen: 10.374 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:146 Resp: 250092
Ion Ratio Lower Upper
146 100
111 46.5 23.1 69.3
148 62.9 32.1 96.3

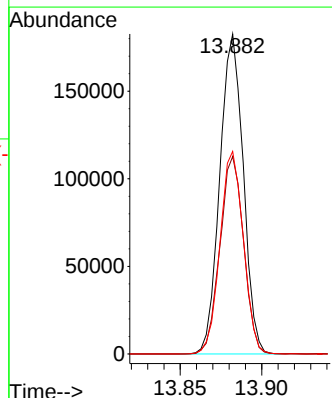
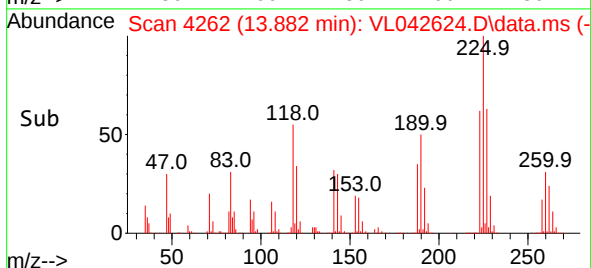
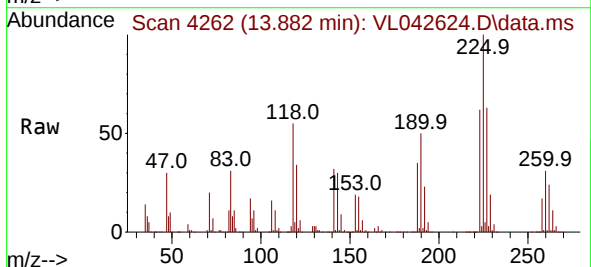
Manual Integrations
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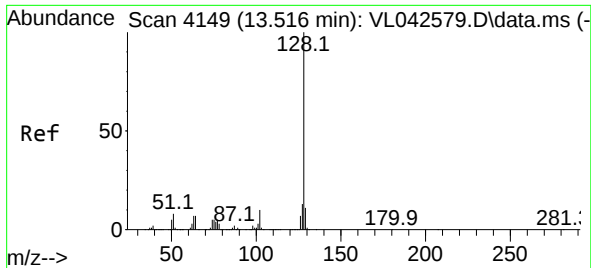
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#78
Hexachloro-1,3-Butadiene
Concen: 9.142 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

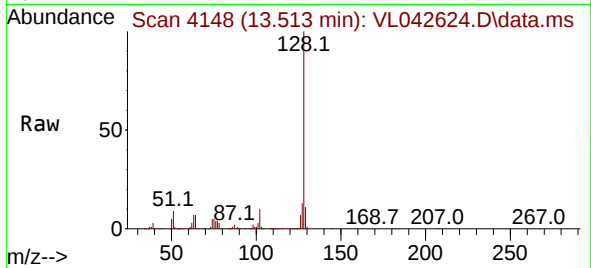
Tgt Ion:225 Resp: 182353
Ion Ratio Lower Upper
225 100
223 62.1 50.2 75.4
227 63.1 51.1 76.7





#79
Naphthalene
Concen: 10.847 ppbv
RT: 13.513 min Scan# 4149
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

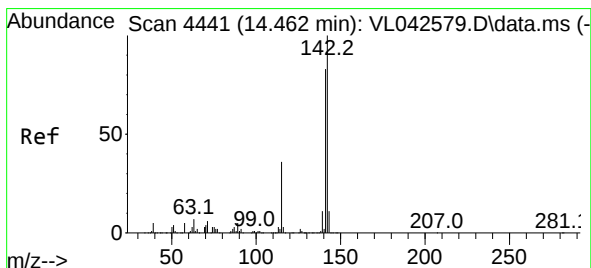
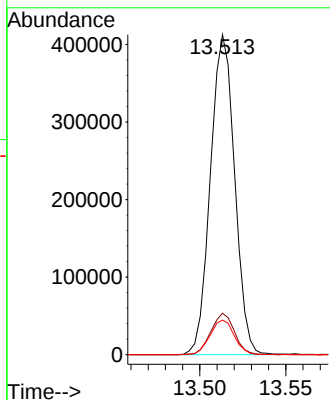
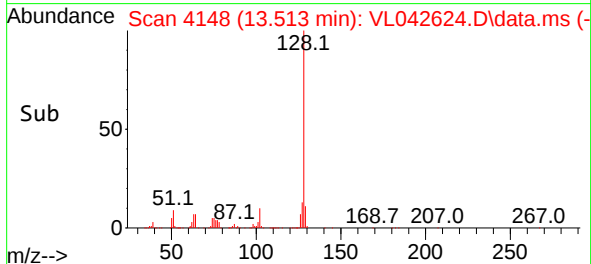
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01



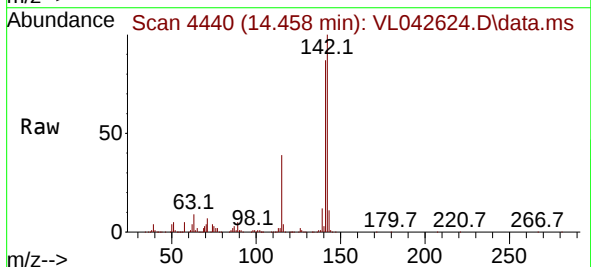
Tgt Ion:128 Resp: 404428
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.8 8.8 13.2

Manual Integrations
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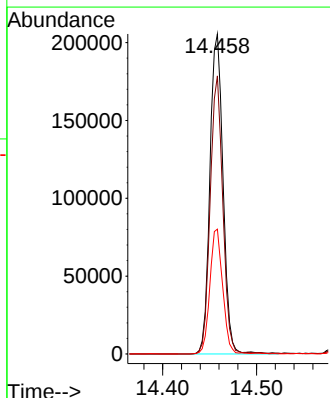
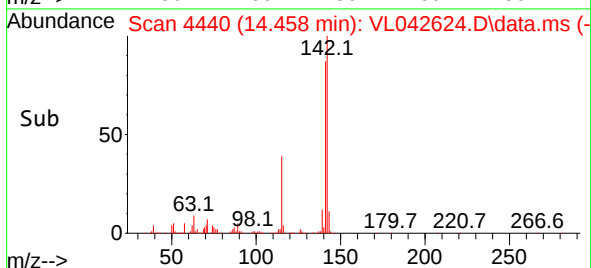
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

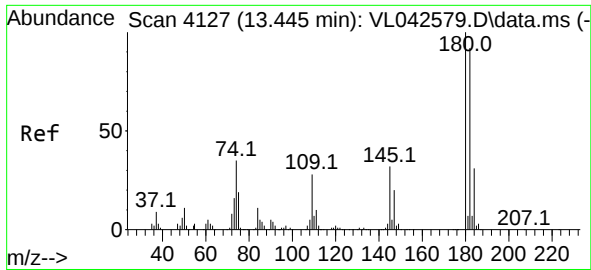


#80
Naphthalene,2-methyl-
Concen: 11.863 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29



Tgt Ion:142 Resp: 199834
Ion Ratio Lower Upper
142 100
141 84.1 66.2 99.4
115 38.2 28.3 42.5





#81

1,2,4-Trichlorobenzene

Concen: 10.105 ppbv

RT: 13.439 min Scan# 41

Delta R.T. -0.007 min

Lab File: VL042624.D

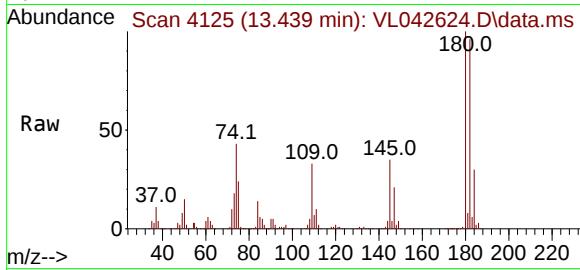
Acq: 16 Jun 2025 10:29

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01



Tgt Ion:180 Resp: 21033

Ion Ratio Lower Upper

180 100

182 96.8 75.0 112.4

184 30.7 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025

Supervised By :Mahesh Dadoda 06/17/2025

