

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
 Data File : VL042586.D
 Acq On : 29 May 2025 14:56
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL052925

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/30/2025
 Supervised By : Mahesh Dadoda 05/30/2025

Quant Time: May 30 02:03:46 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	2.790	49	102428	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	301054	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	275875	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 203743 9.852 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	115266	9.156	ppbv	97
3) Chlorodifluoromethane	1.476	51	150107	8.658	ppbv	99
4) Chloromethane	1.534	50	45964	9.220	ppbv	99
5) Vinyl Chloride	1.583	62	43925	8.650	ppbv	98
6) Bromomethane	1.670	94	20899	8.455	ppbv	96
7) Chloroethane	1.706	64	16853	8.541	ppbv	93
8) Dichlorotetrafluoroethane	1.557	85	97812	9.325	ppbv	98
9) Propene	1.486	41	60663	8.688	ppbv	98
10) Heptane	4.991	43	179146	9.102	ppbv	99
11) Trichlorofluoromethane	1.881	101	111088	9.484	ppbv	97
12) 1,1,2-Trichlorotrifluoro...	2.143	101	90493	9.839	ppbv	98
13) Ethanol	1.722	45	5315m	6.387	ppbv	
14) Bromoethene	1.783	108	31882	9.215	ppbv	97
15) Acetone	1.838	43	93713	7.596	ppbv	99
16) 1,3-Butadiene	1.612	39	51473	8.807	ppbv	98
17) tert-Butyl alcohol	2.042	59	123536	9.611	ppbv	99
18) 1,1-Dichloroethene	2.036	96	40171	9.423	ppbv	94
19) Isopropyl Alcohol	1.887	45	65635	8.899	ppbv	99
20) Methylene Chloride	2.065	84	34380	8.444	ppbv	98
21) Allyl Chloride	2.097	41	80936	9.297	ppbv	98
22) trans-1,2-Dichloroethene	2.343	96	46389	9.742	ppbv	99
23) Vinyl Acetate	2.466	43	168496	10.103	ppbv	99
24) 1,1-Dichloroethane	2.411	63	92180	9.408	ppbv	99
25) Ethyl Acetate	2.839	43	309666	9.171	ppbv	99
26) Hexane	2.829	57	136378	8.889	ppbv	99
27) Carbon Disulfide	2.152	76	114756	9.743	ppbv #	92
28) Methyl tert-Butyl Ether	2.444	73	57913	9.302	ppbv	100
29) Chloroform	2.852	83	180696	9.057	ppbv	96
30) Cyclohexane	3.861	84	116986	9.198	ppbv	97
31) cis-1,2-Dichloroethene	2.725	61	130619	9.307	ppbv	97
32) 1,1,1-Trichloroethane	3.373	97	185017	9.077	ppbv	100
34) 2-Butanone	2.560	43	198226	9.233	ppbv	100
35) Carbon Tetrachloride	3.771	117	186286	9.374	ppbv	100
36) Benzene	3.664	78	274314	9.253	ppbv	99
37) 1,2-Dichloroethane	3.224	62	140785	9.555	ppbv	99
38) Trichloroethene	4.557	130	115086	9.133	ppbv	96
39) 1,2-Dichloropropane	4.324	63	98542	8.988	ppbv	99
40) 1,4-Dioxane	4.590	88	45655	9.306	ppbv #	99
41) Tetrahydrofuran	3.059	42	116984	9.309	ppbv	98
42) Bromodichloromethane	4.496	83	202489	9.676	ppbv	92
43) Methyl Methacrylate	4.891	69	108397	9.421	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	461095	9.093	ppbv	100
45) t-1,3-Dichloropropene	6.425	75	125588m	9.538	ppbv	

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Manual Integrations
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Quant Time: May 30 02:03:46 2025

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

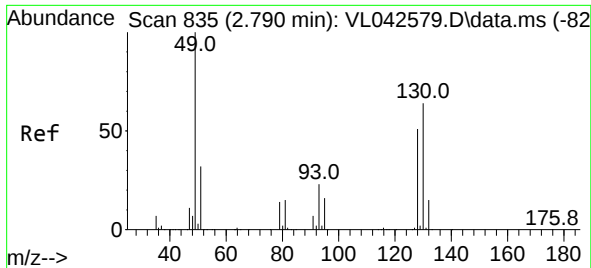
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

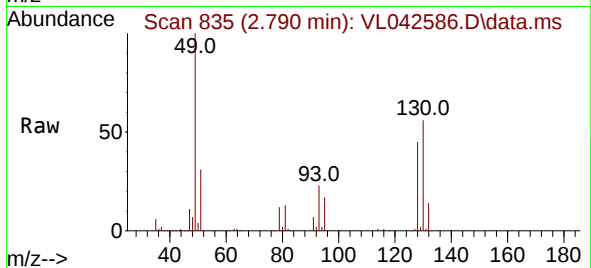
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	156828	9.505	ppbv	98
47) 1,1,2-Trichloroethane	6.590	97	103138	9.088	ppbv	92
48) Dibromochloromethane	7.399	129	170606	9.391	ppbv	99
49) Bromoform	9.493	173	152725	9.742	ppbv	99
50) 4-Methyl-2-Pentanone	5.758	43	278990	9.369	ppbv	100
51) 2-Hexanone	7.444	43	228036	9.655	ppbv	98
52) Tetrachloroethene	8.231	164	98872	8.925	ppbv	99
53) Toluene	6.943	91	319640	9.329	ppbv	99
54) 1,2-Dibromoethane	7.661	107	157298	9.364	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.933	131	127601	9.199	ppbv	97
57) Chlorobenzene	8.930	112	242533	9.054	ppbv	97
58) Ethyl Benzene	9.364	91	432250	9.237	ppbv	97
59) m/p-Xylene	9.558	91	676743m	18.377	ppbv	
60) o-Xylene	9.972	91	333107	9.069	ppbv	100
61) Styrene	9.878	104	163167	9.396	ppbv	100
62) Isopropylbenzene	10.545	105	491107	9.051	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	204322	8.749	ppbv	100
64) n-propylbenzene	10.995	120	131695	9.054	ppbv	100
65) tert-Butylbenzene	11.539	119	431251	8.758	ppbv	98
66) Benzyl Chloride	11.620	91	59801	9.435	ppbv	100
67) sec-Butylbenzene	11.772	105	607905	8.781	ppbv	99
69) p-Isopropyltoluene	11.930	119	512739	8.844	ppbv	100
70) n-Butylbenzene	12.286	91	514931	8.998	ppbv	100
71) 2-Chlorotoluene	10.908	91	377413	9.119	ppbv	99
72) 4-Ethyltoluene	11.131	105	412686	9.012	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	346043	9.131	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	371879	8.842	ppbv	94
75) 1,3-Dichlorobenzene	11.613	146	234703	8.886	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	237978	9.034	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	224400	8.754	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	169185	7.977	ppbv	99
79) Naphthalene	13.516	128	383192	9.666	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	194375	10.853	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	198696	8.978	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

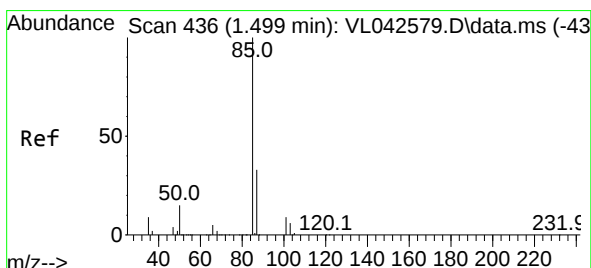
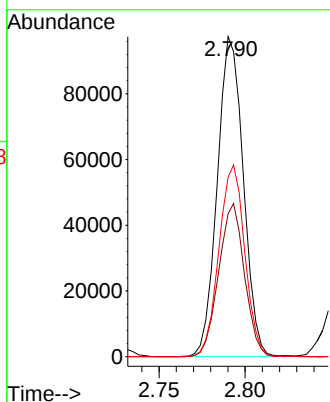
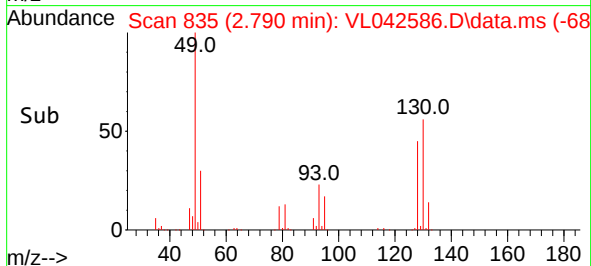
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925



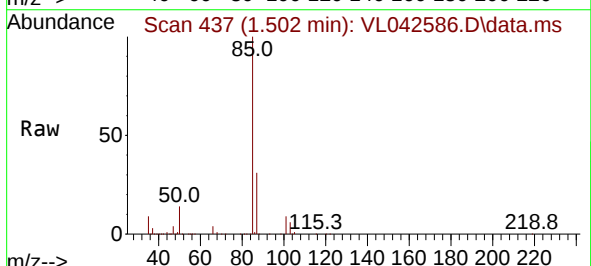
Tgt Ion: 49 Resp: 102428
Ion Ratio Lower Upper
49 100
128 47.4 24.2 72.6
130 59.4 30.4 91.2

Manual Integrations
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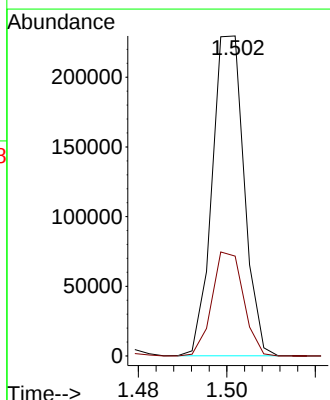
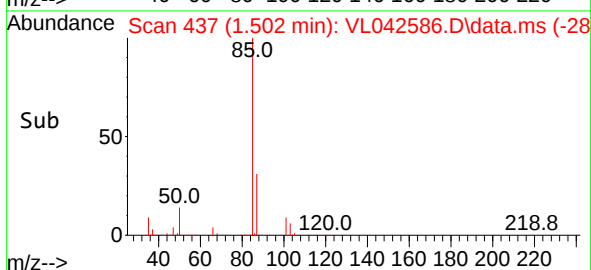
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

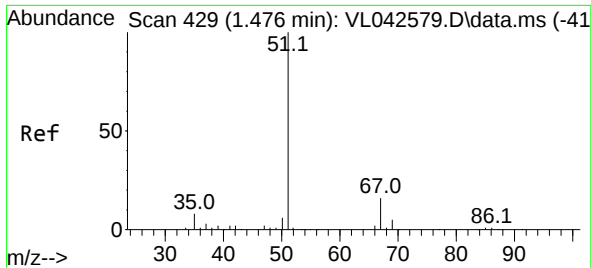


#2
Dichlorodifluoromethane
Concen: 9.156 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56



Tgt Ion: 85 Resp: 115266
Ion Ratio Lower Upper
85 100
87 31.2 26.6 39.8





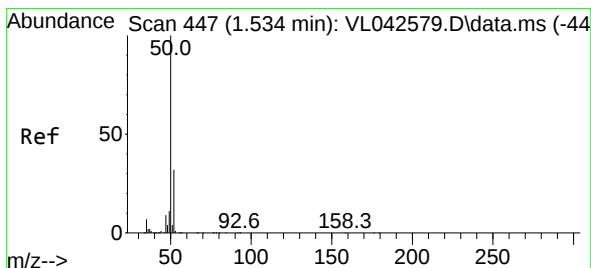
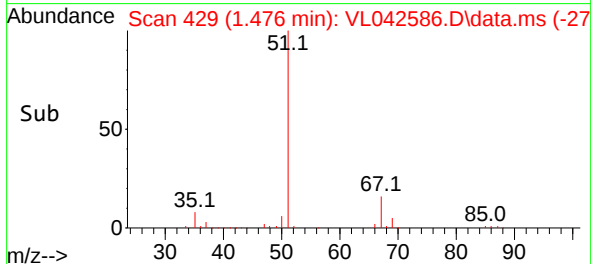
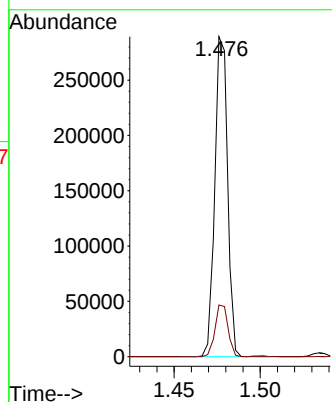
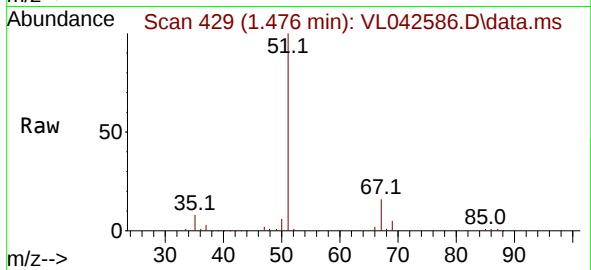
#3
Chlorodifluoromethane
Concen: 8.658 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument : MSVOA_L
ClientSampleId : ICVVL052925

Tgt Ion: 51 Resp: 150107
Ion Ratio Lower Upper
51 100
67 16.5 13.4 20.2

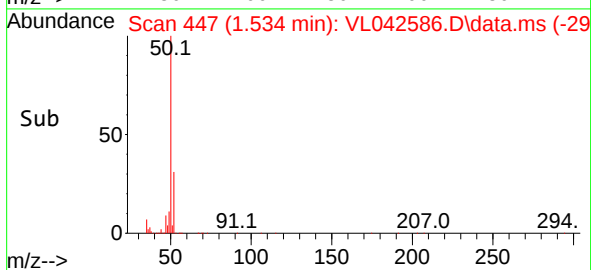
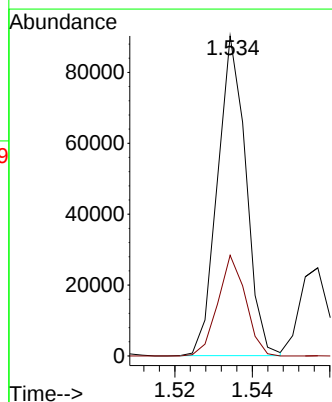
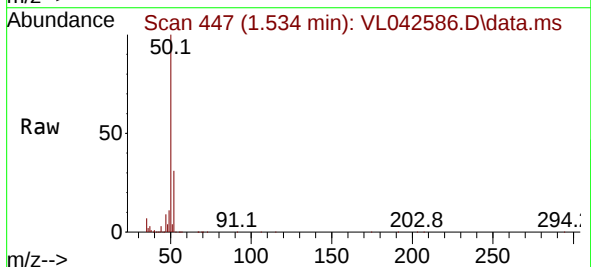
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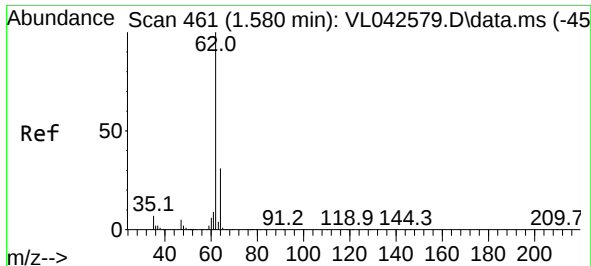
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#4
Chloromethane
Concen: 9.220 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 50 Resp: 45964
Ion Ratio Lower Upper
50 100
52 31.5 25.8 38.6





#5
 Vinyl Chloride
 Concen: 8.650 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.003 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

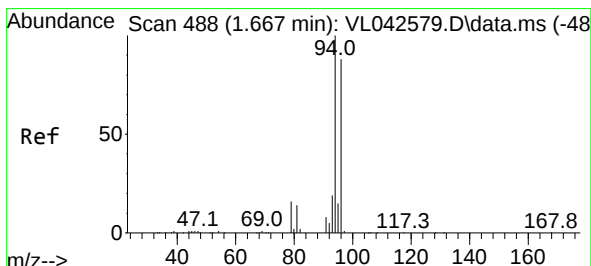
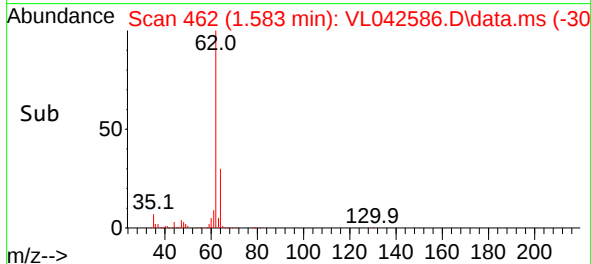
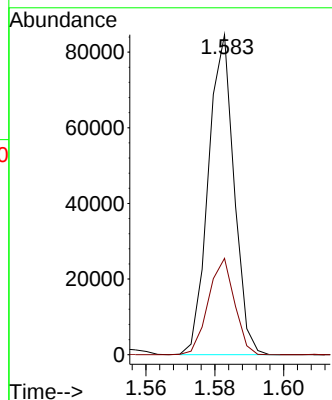
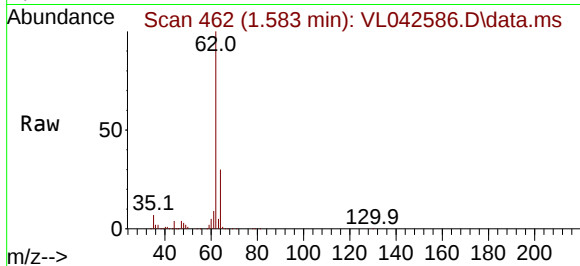
ClientSampleId :

ICVVL052925

Tgt Ion: 62 Resp: 43925
 Ion Ratio Lower Upper
 62 100
 64 30.1 24.9 37.3

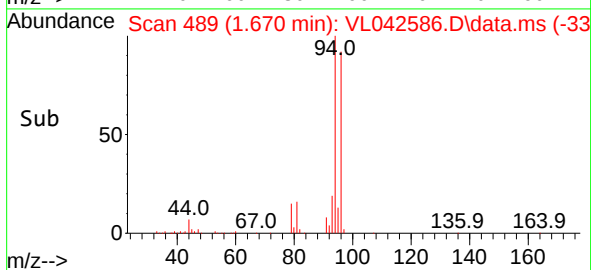
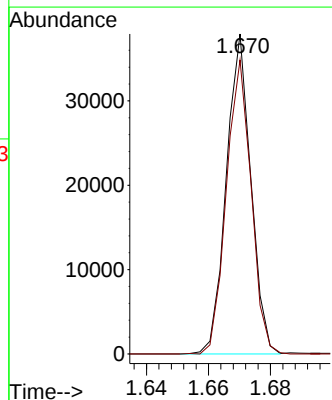
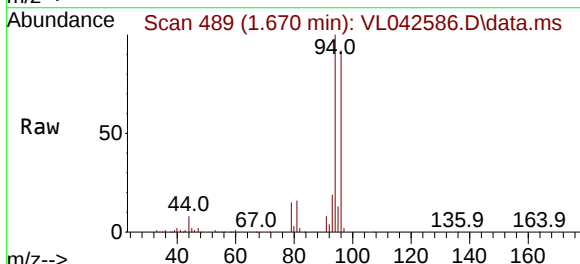
Manual Integrations
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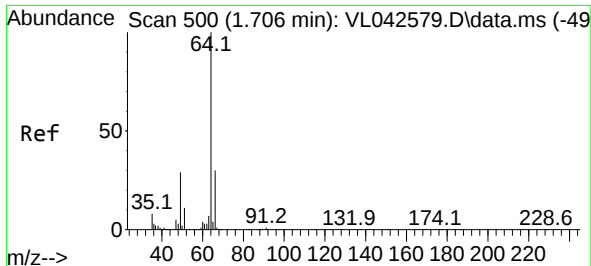
Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#6
 Bromomethane
 Concen: 8.455 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

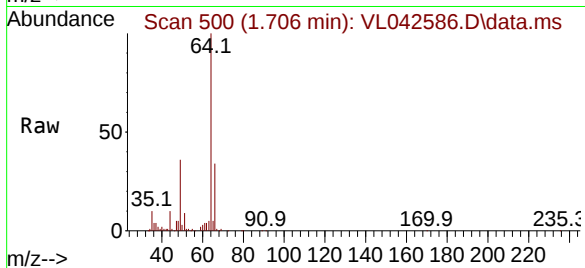
Tgt Ion: 94 Resp: 20899
 Ion Ratio Lower Upper
 94 100
 96 91.9 70.7 106.1





#7
Chloroethane
Concen: 8.541 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

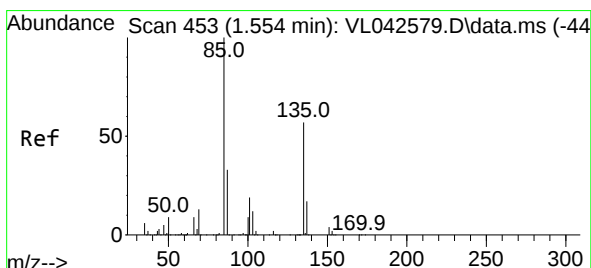
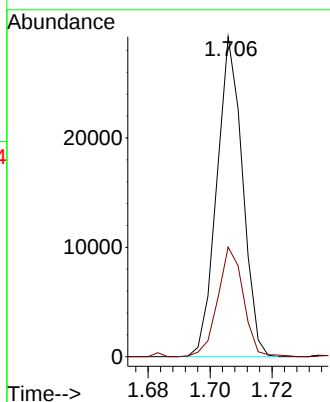
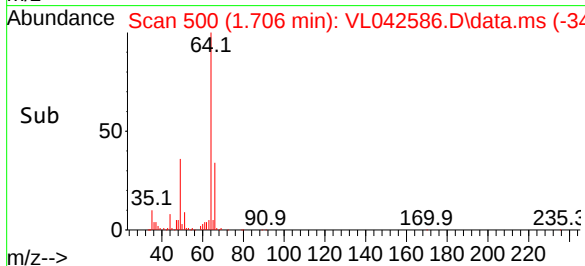
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925



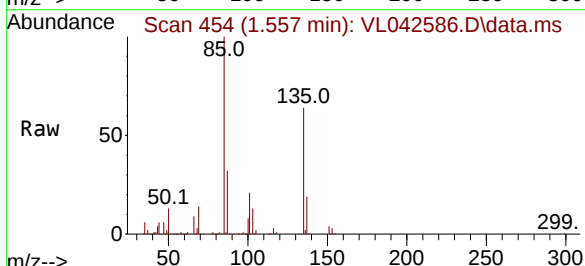
Tgt Ion: 64 Resp: 1685
Ion Ratio Lower Upper
64 100
66 34.3 24.3 36.5

Manual Integrations
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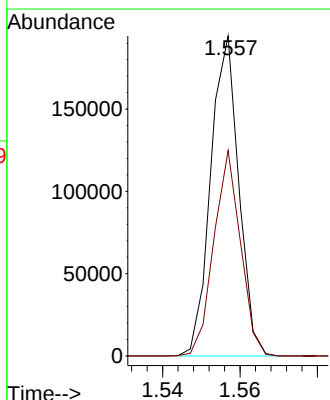
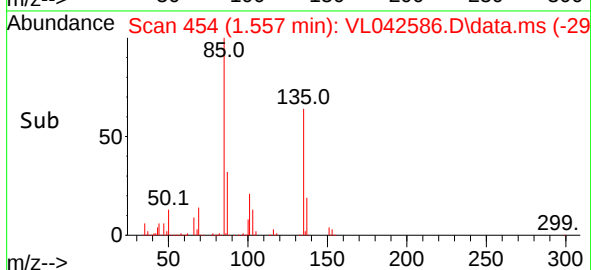
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

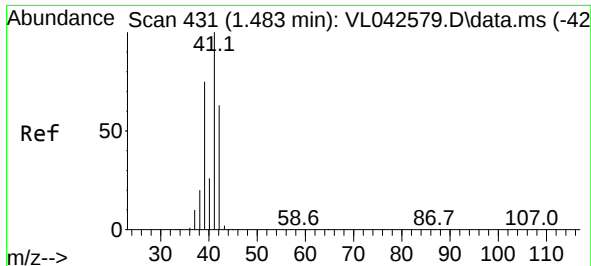


#8
Dichlorotetrafluoroethane
Concen: 9.325 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56



Tgt Ion: 85 Resp: 97812
Ion Ratio Lower Upper
85 100
135 61.2 50.2 75.4





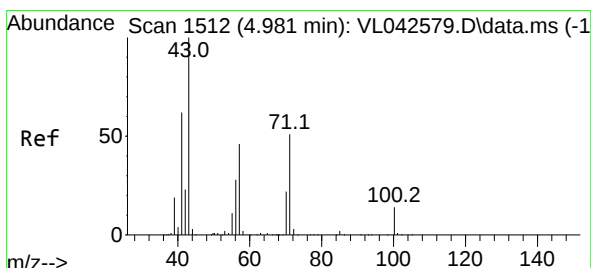
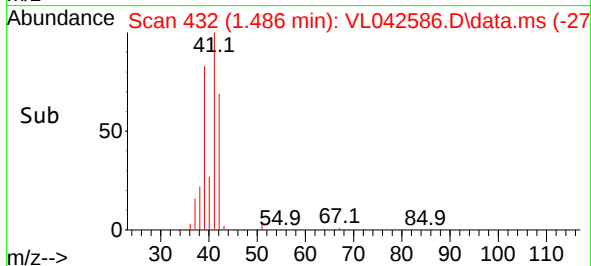
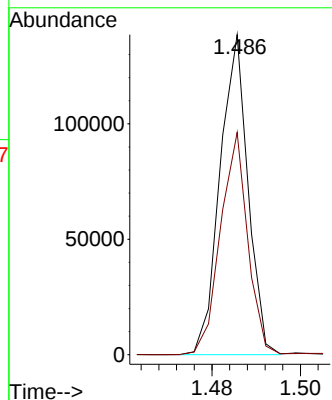
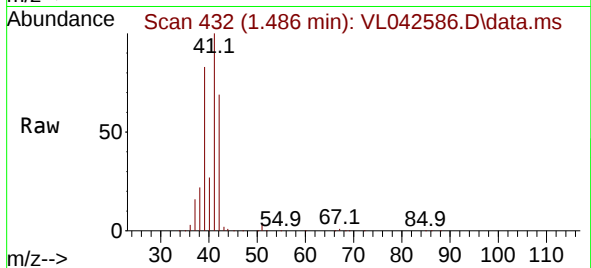
#9
 Propene
 Concen: 8.688 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL052925

Tgt Ion: 41 Resp: 6066
 Ion Ratio Lower Upper
 41 100
 42 68.4 53.3 79.9

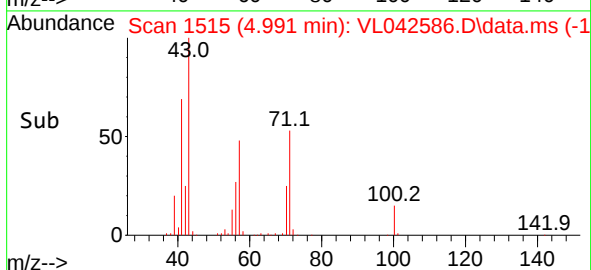
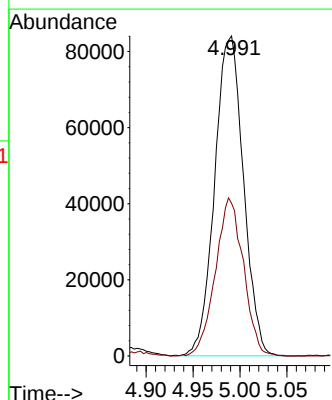
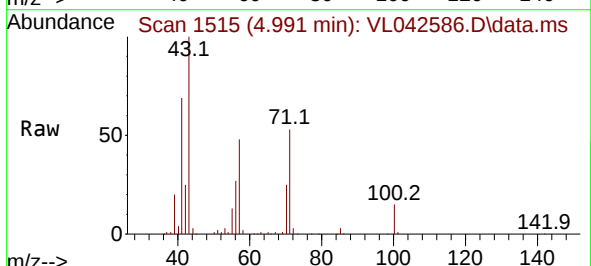
Manual Integrations
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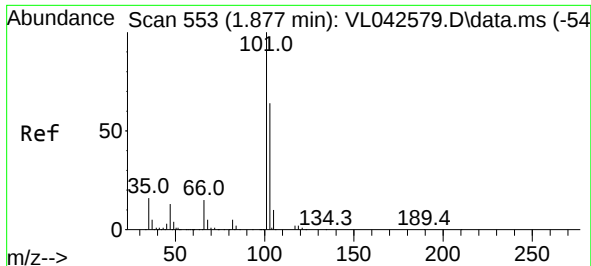
Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#10
 Heptane
 Concen: 9.102 ppbv
 RT: 4.991 min Scan# 1515
 Delta R.T. 0.010 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

Tgt Ion: 43 Resp: 179146
 Ion Ratio Lower Upper
 43 100
 57 48.0 38.9 58.3





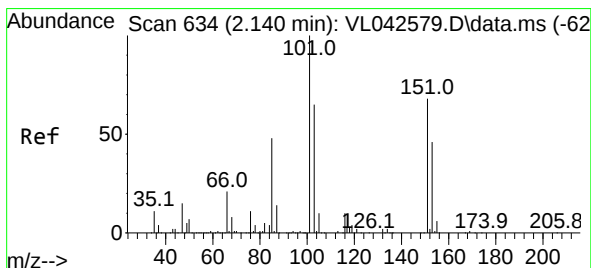
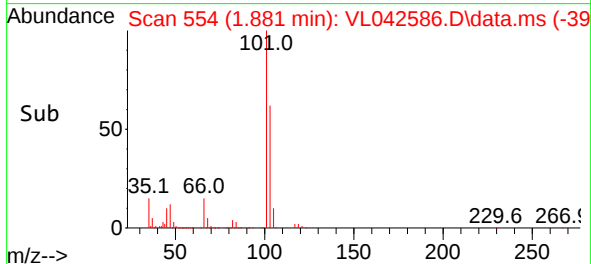
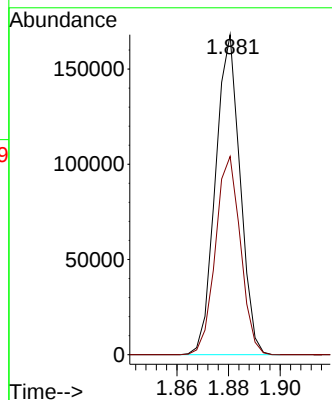
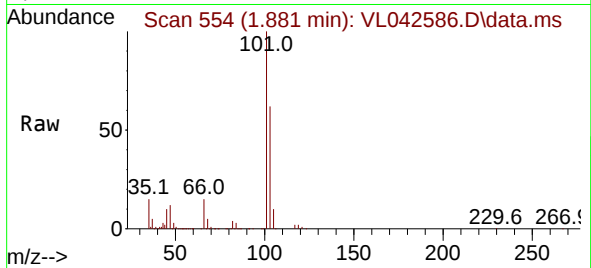
#11
Trichlorofluoromethane
Concen: 9.484 ppbv
RT: 1.881 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:101 Resp: 111088
Ion Ratio Lower Upper
101 100
103 61.9 51.5 77.3

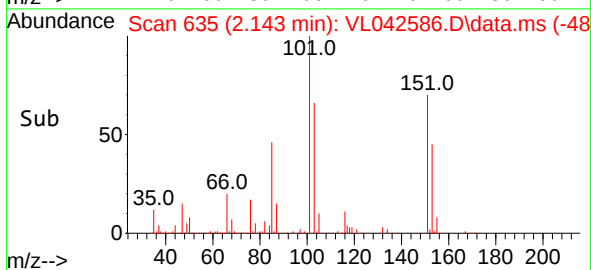
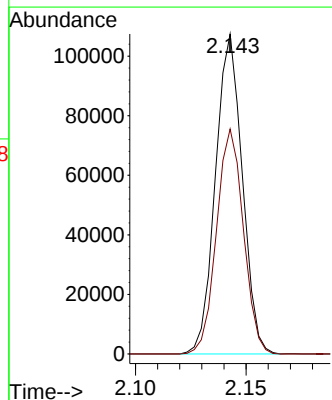
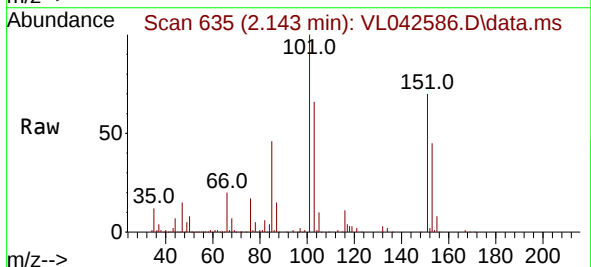
Manual Integrations
APPROVED

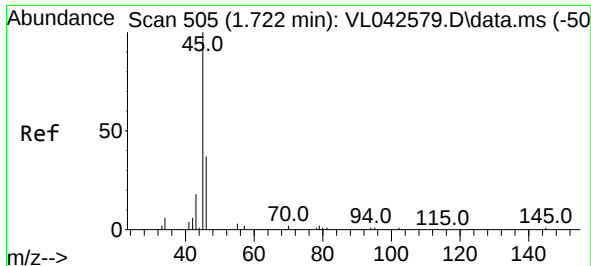
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.839 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

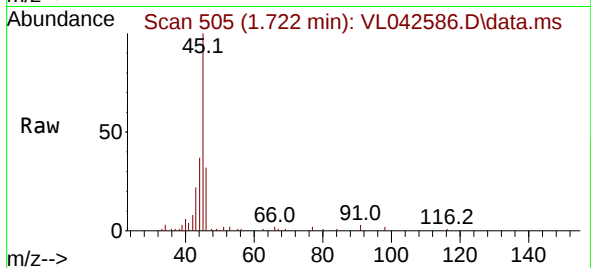
Tgt Ion:101 Resp: 90493
Ion Ratio Lower Upper
101 100
151 70.4 55.3 82.9





#13
Ethanol
Concen: 6.387 ppbv m
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

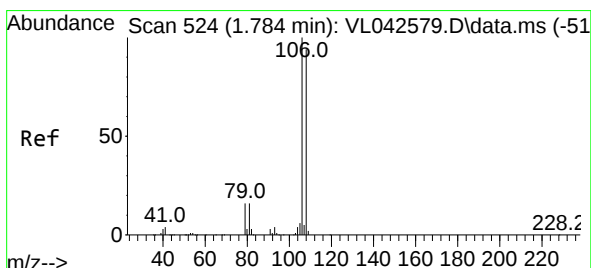
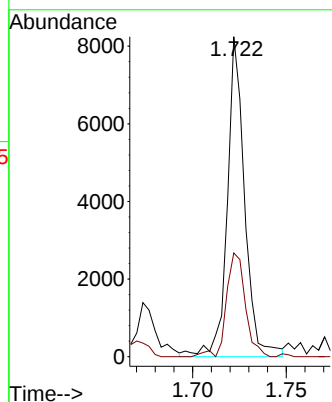
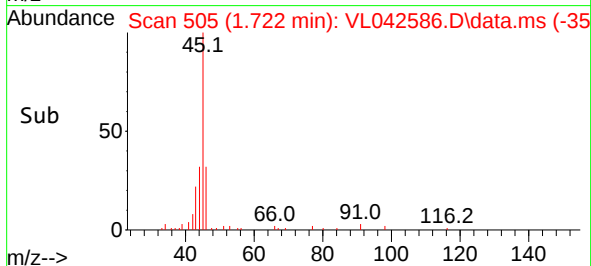
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925



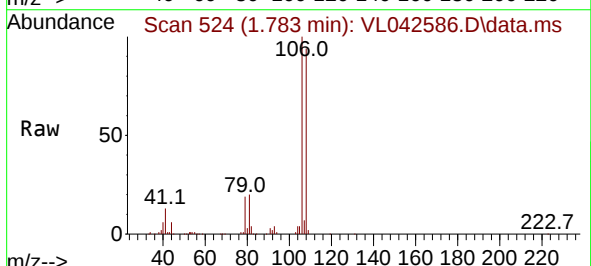
Tgt Ion: 45 Resp: 531
Ion Ratio Lower Upper
45 100
46 35.6 14.5 58.1

Manual Integrations
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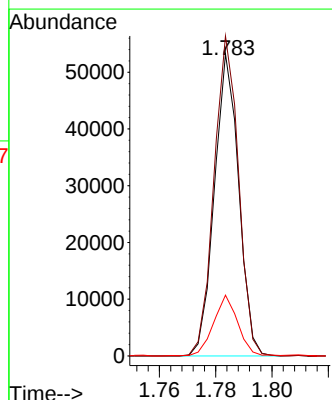
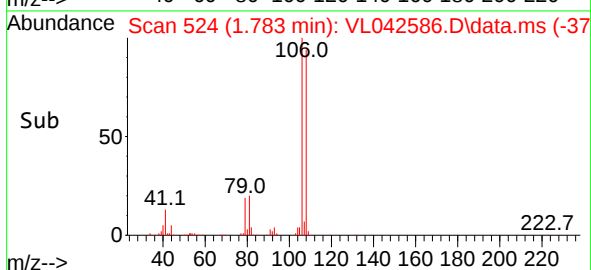
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#14
Bromoethene
Concen: 9.215 ppbv
RT: 1.783 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56



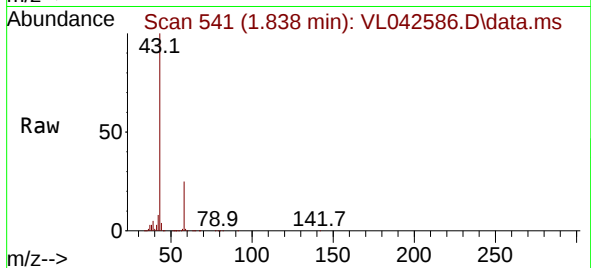
Tgt Ion:108 Resp: 31882
Ion Ratio Lower Upper
108 100
106 106.8 87.9 131.9
79 21.2 15.6 23.4





#15
Acetone
Concen: 7.596 ppbv
RT: 1.838 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

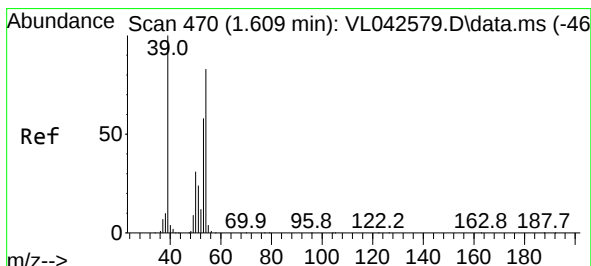
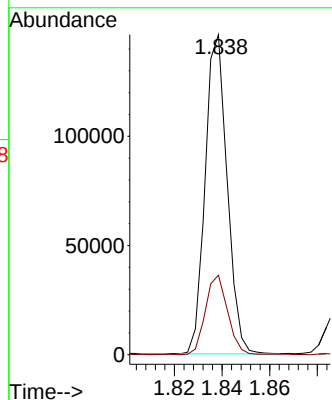
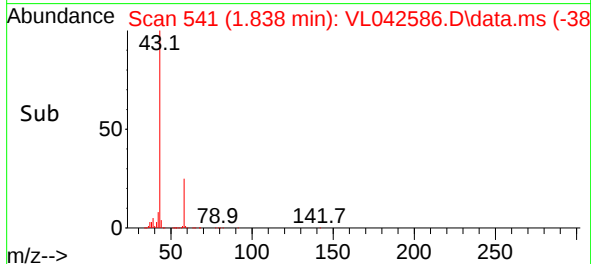
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925



Tgt Ion: 43 Resp: 93711
Ion Ratio Lower Upper
43 100
58 25.5 21.0 31.4

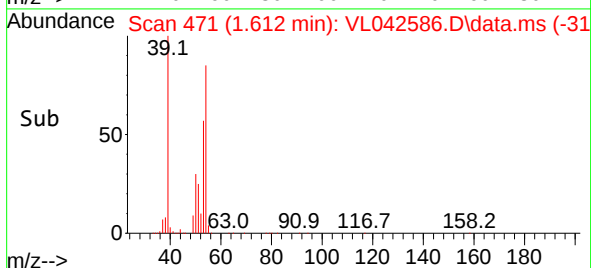
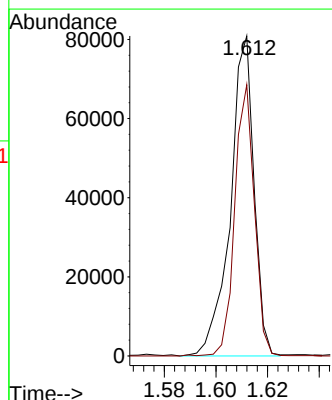
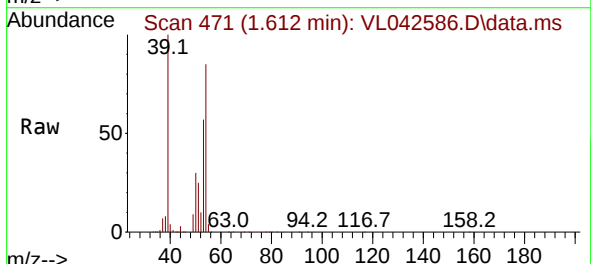
Manual Integrations
APPROVED

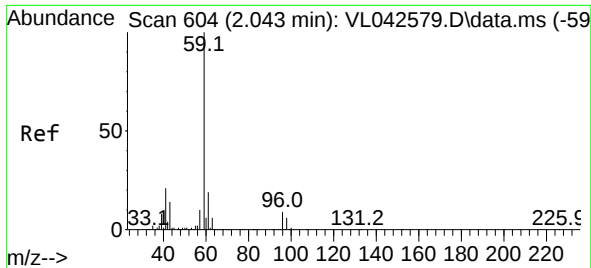
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#16
1,3-Butadiene
Concen: 8.807 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 39 Resp: 51473
Ion Ratio Lower Upper
39 100
54 70.6 57.9 86.9





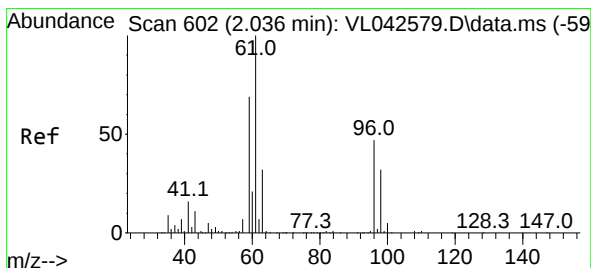
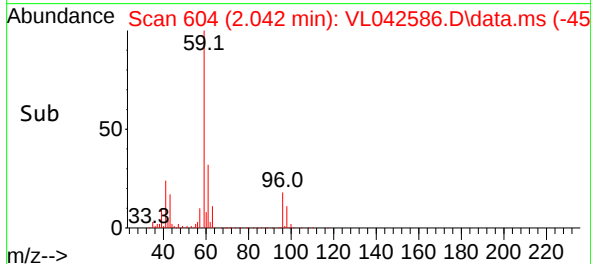
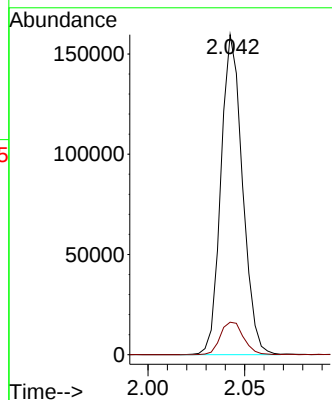
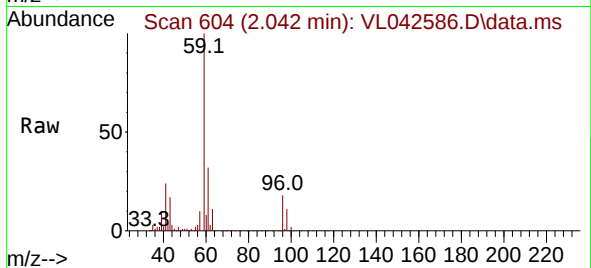
#17
tert-Butyl alcohol
Concen: 9.611 ppbv
RT: 2.042 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument : MSVOA_L
ClientSampleId : ICVVL052925

Tgt Ion: 59 Resp: 123530
Ion Ratio Lower Upper
59 100
57 11.0 8.6 12.8

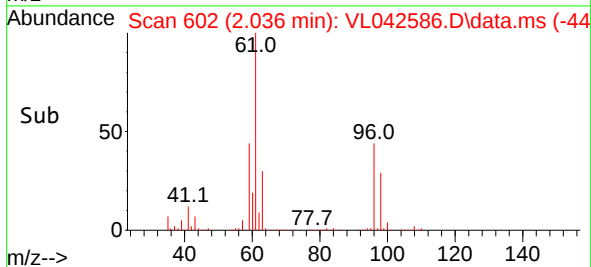
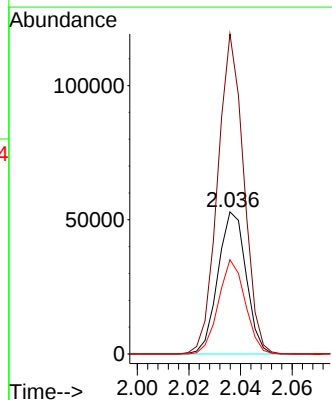
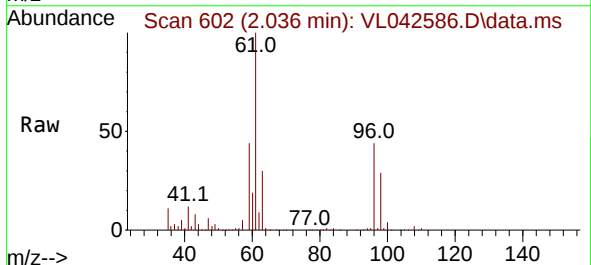
Manual Integrations
APPROVED

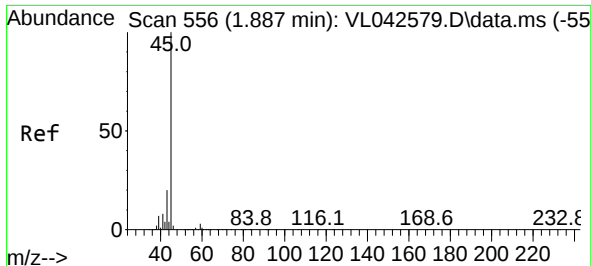
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#18
1,1-Dichloroethene
Concen: 9.423 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

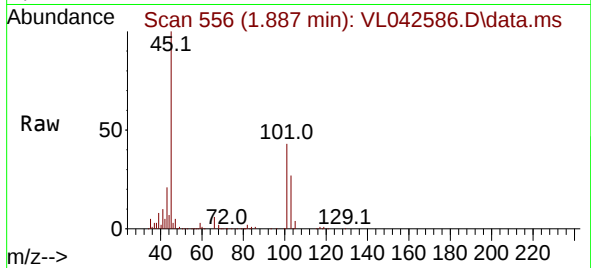
Tgt Ion: 96 Resp: 40171
Ion Ratio Lower Upper
96 100
61 225.1 171.1 256.7
98 66.4 54.4 81.6





#19
Isopropyl Alcohol
Concen: 8.899 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

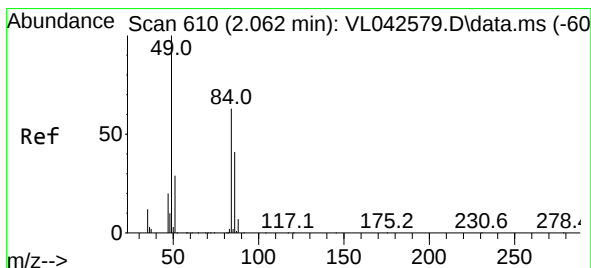
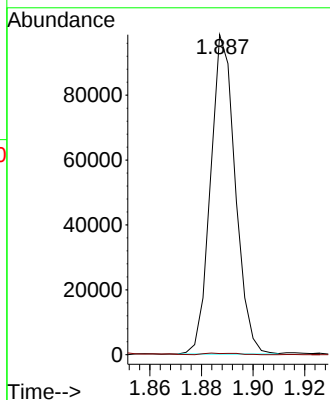
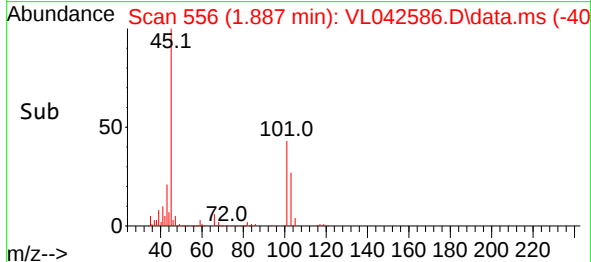
Instrument : MSVOA_L
ClientSampleId : ICVVL052925



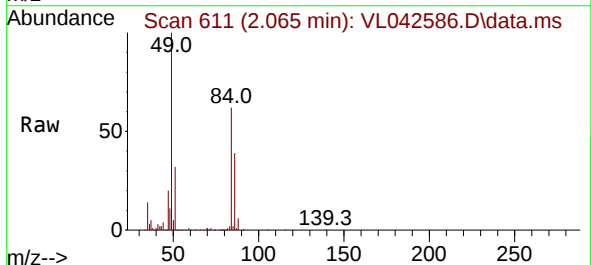
Tgt Ion: 45 Resp: 65638
Ion Ratio Lower Upper
45 100
58 36.5 29.4 44.2

Manual Integrations
APPROVED

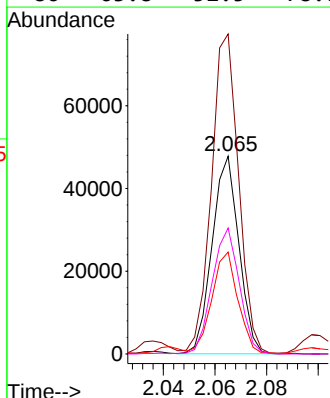
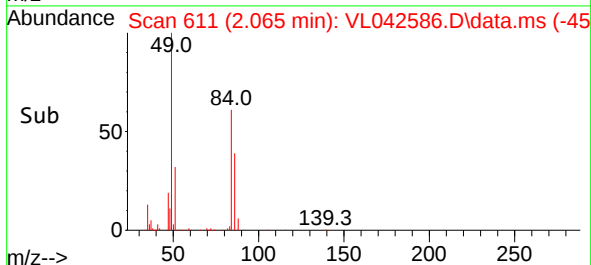
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

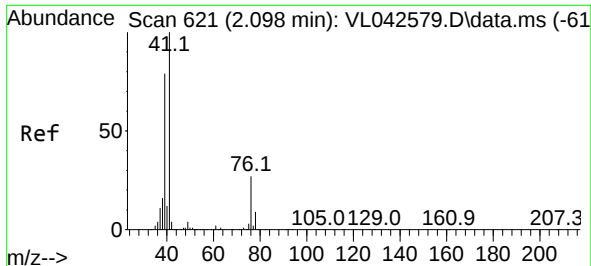


#20
Methylene Chloride
Concen: 8.444 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56



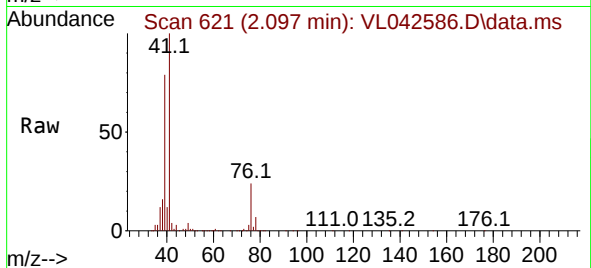
Tgt Ion: 84 Resp: 34380
Ion Ratio Lower Upper
84 100
49 161.6 128.8 193.2
51 51.3 38.6 57.8
86 63.8 52.5 78.7





#21
 Allyl Chloride
 Concen: 9.297 ppbv
 RT: 2.097 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

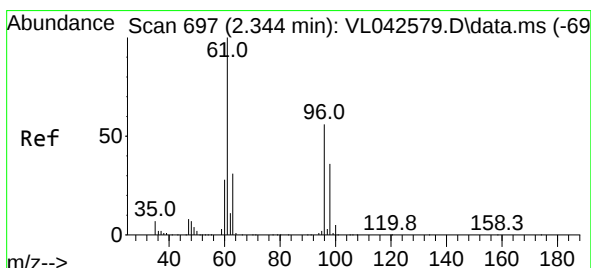
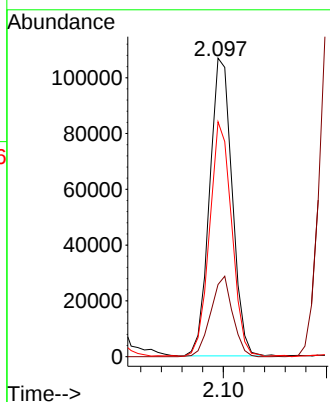
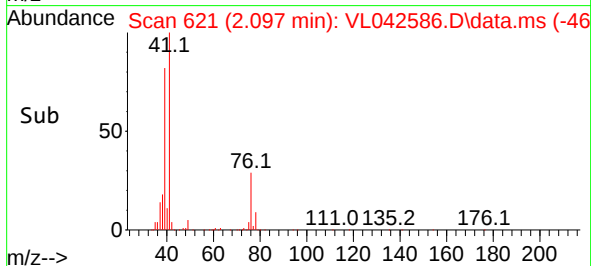
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL052925



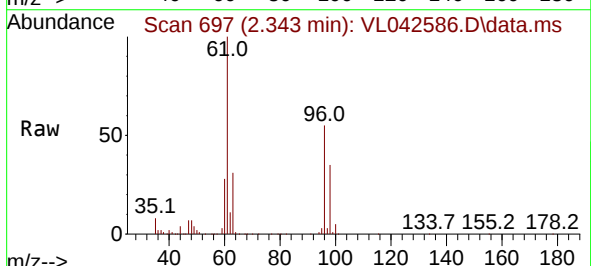
Tgt Ion: 41 Resp: 80930
 Ion Ratio Lower Upper
 41 100
 76 26.2 21.2 31.8
 39 78.2 60.9 91.3

Manual Integrations
 APPROVED

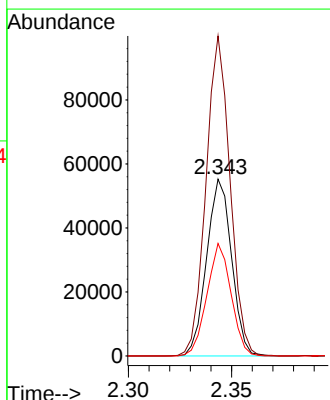
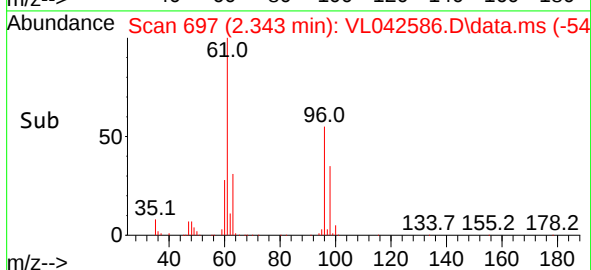
Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025

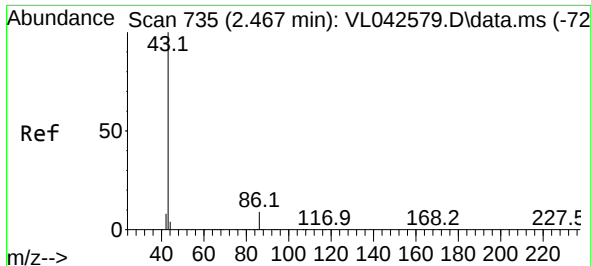


#22
 trans-1,2-Dichloroethene
 Concen: 9.742 ppbv
 RT: 2.343 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56



Tgt Ion: 96 Resp: 46389
 Ion Ratio Lower Upper
 96 100
 61 180.9 142.6 214.0
 98 63.6 51.0 76.4





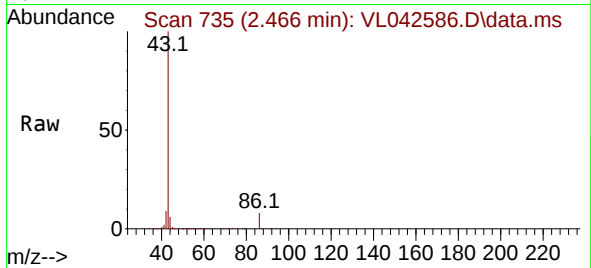
#23
 Vinyl Acetate
 Concen: 10.103 ppbv
 RT: 2.466 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

ClientSampleId :

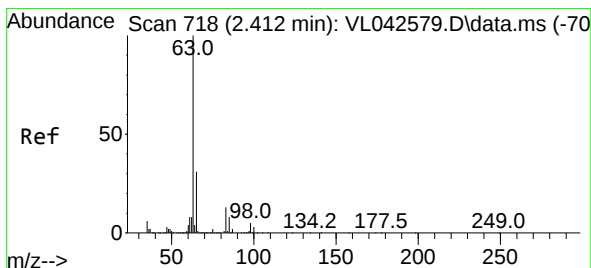
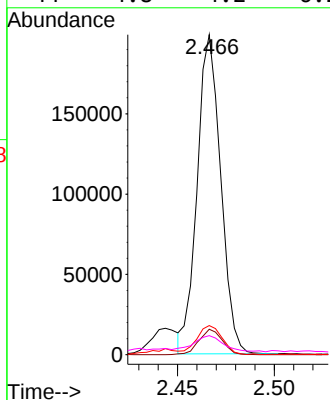
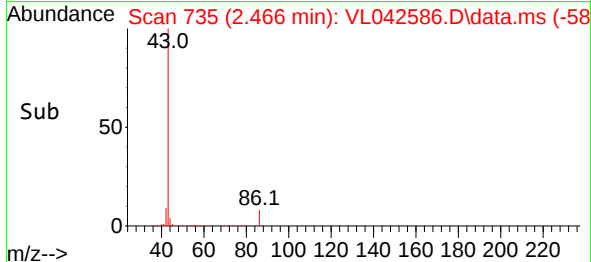
ICVVL052925



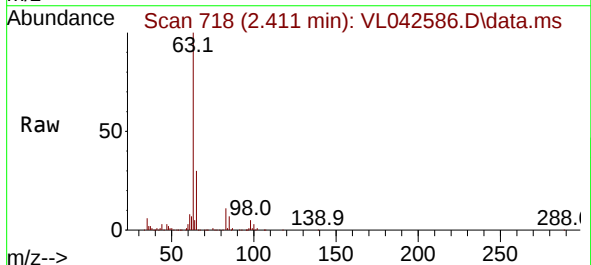
Tgt Ion: 43 Resp: 168490
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.6 9.8
 42 9.0 7.0 10.4
 44 4.8 4.2 6.2

Manual Integrations
 APPROVED

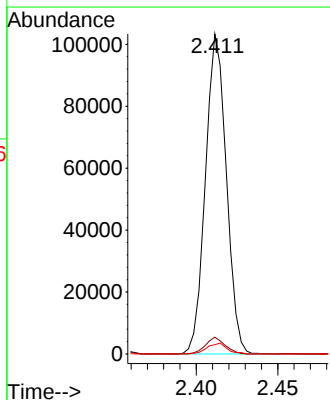
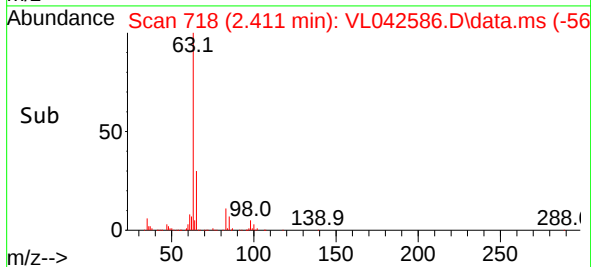
Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#24
 1,1-Dichloroethane
 Concen: 9.408 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56



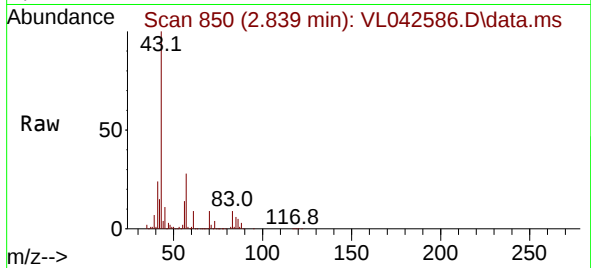
Tgt Ion: 63 Resp: 92180
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.4 7.1
 100 2.9 1.4 4.0





#25
Ethyl Acetate
Concen: 9.171 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

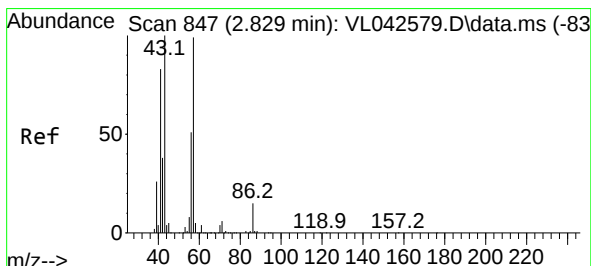
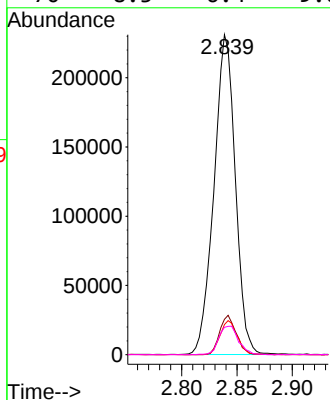
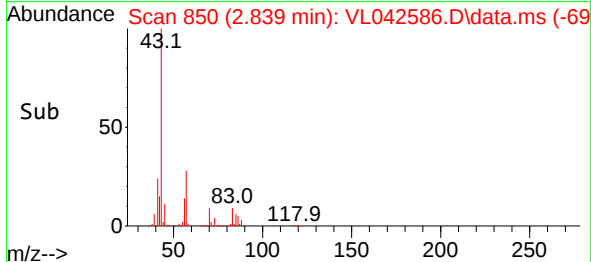
Instrument : MSVOA_L
ClientSampleId : ICVVL052925



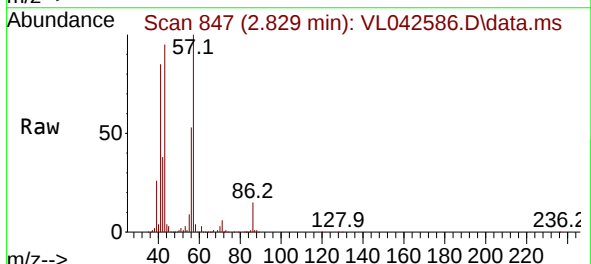
Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.2	12.2
61	8.6	7.1	10.7
70	8.3	6.4	9.6

Manual Integrations
APPROVED

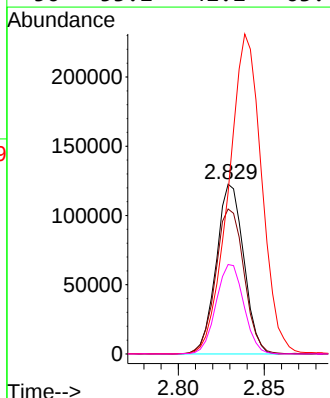
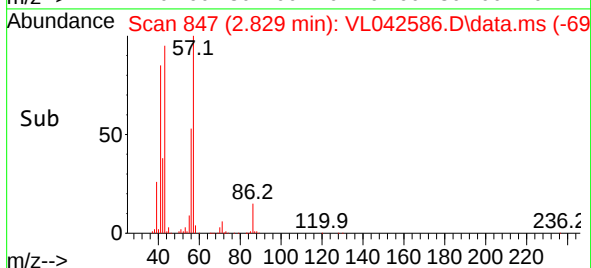
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

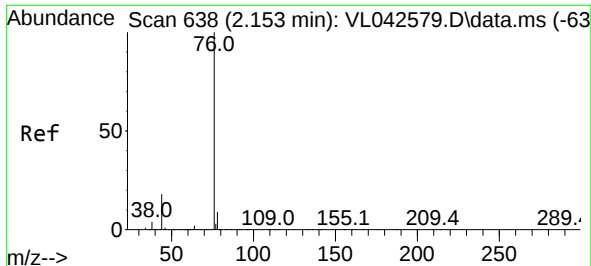


#26
Hexane
Concen: 8.889 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56



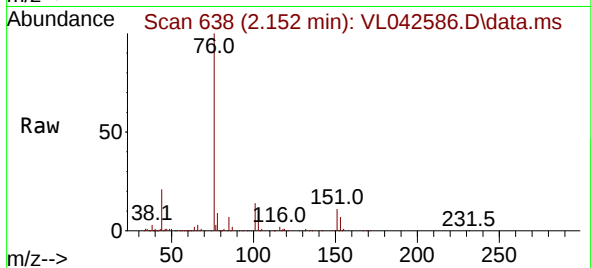
Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.9	70.6	106.0
43	227.4	181.1	271.7
56	53.2	42.2	63.4





#27
Carbon Disulfide
Concen: 9.743 ppbv
RT: 2.152 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

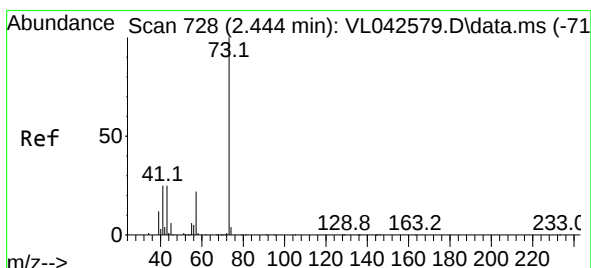
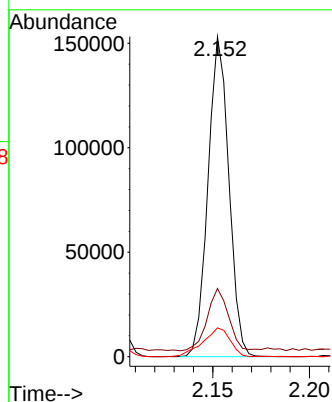
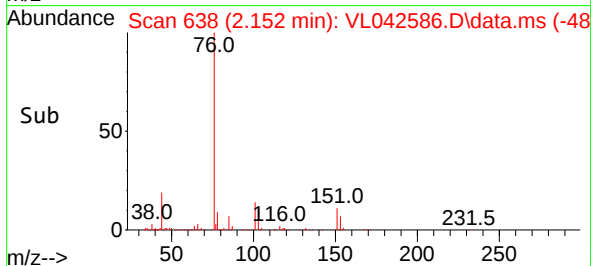
Instrument : MSVOA_L
ClientSampleId : ICVVL052925



Tgt Ion: 76 Resp: 114750
Ion Ratio Lower Upper
76 100
44 20.4 21.3 31.9
78 11.8 9.4 14.0

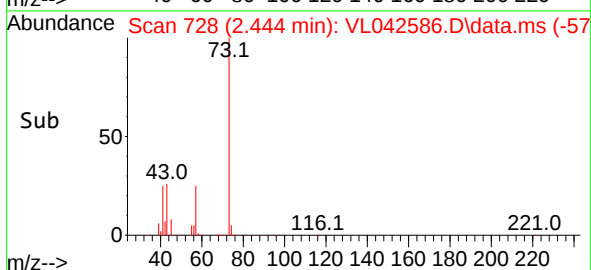
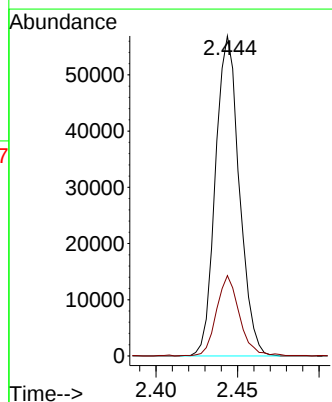
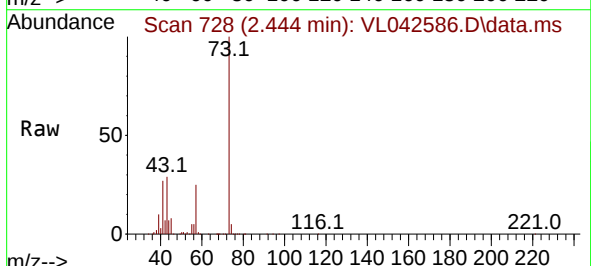
Manual Integrations
APPROVED

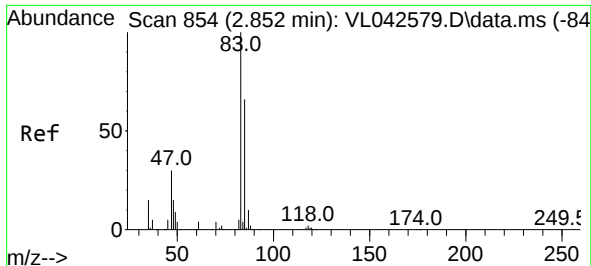
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#28
Methyl tert-Butyl Ether
Concen: 9.302 ppbv
RT: 2.444 min Scan# 728
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 73 Resp: 57913
Ion Ratio Lower Upper
73 100
57 24.7 19.9 29.9





#29

Chloroform

Concen: 9.057 ppbv

RT: 2.852 min Scan# 854

Delta R.T. -0.000 min

Lab File: VL042586.D

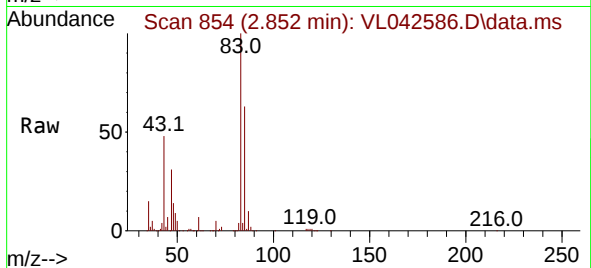
Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL052925



Tgt Ion: 83 Resp: 180690

Ion Ratio Lower Upper

83 100

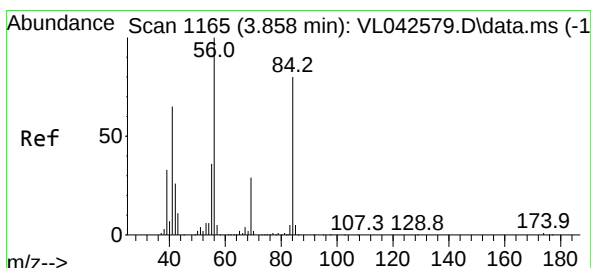
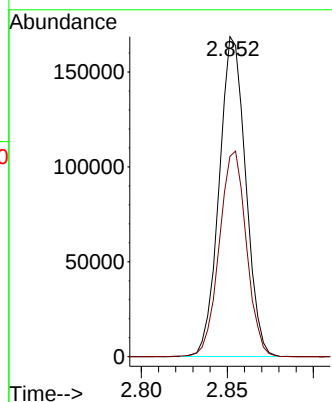
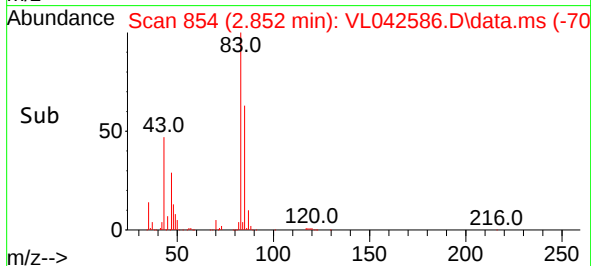
85 62.6 52.8 79.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#30

Cyclohexane

Concen: 9.198 ppbv

RT: 3.861 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

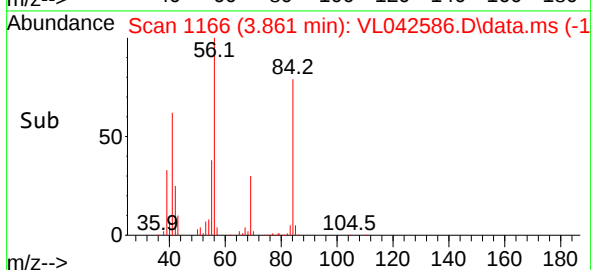
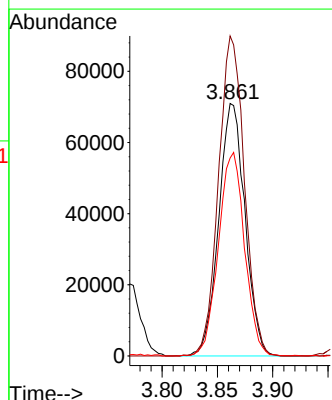
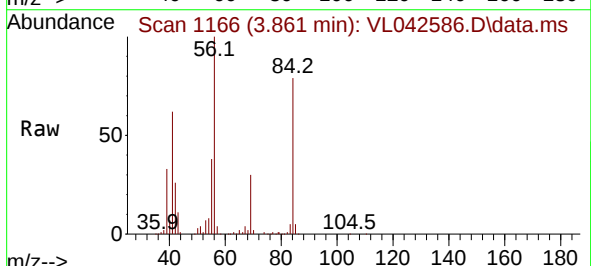
Tgt Ion: 84 Resp: 116986

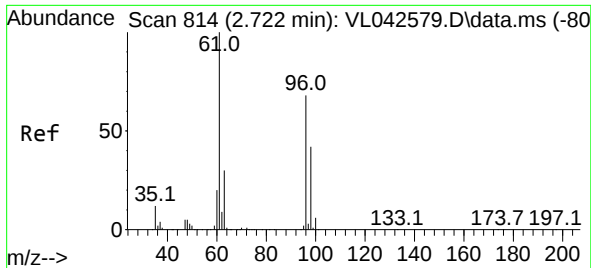
Ion Ratio Lower Upper

84 100

56 125.0 103.7 155.5

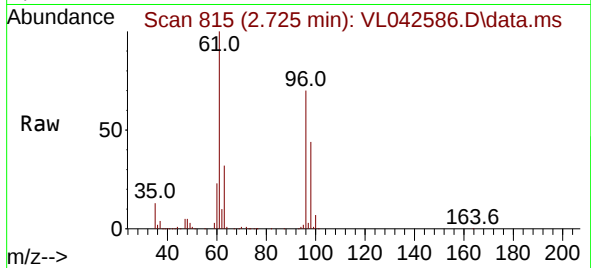
41 80.6 65.1 97.7





#31
 cis-1,2-Dichloroethene
 Concen: 9.307 ppbv
 RT: 2.725 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

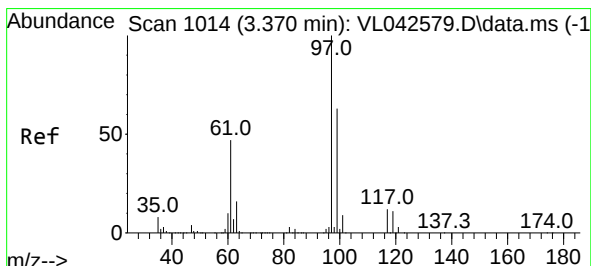
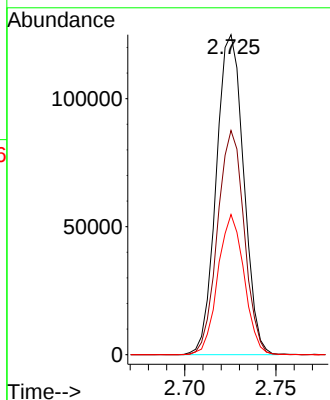
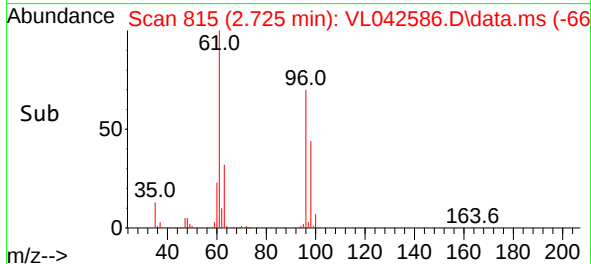
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL052925



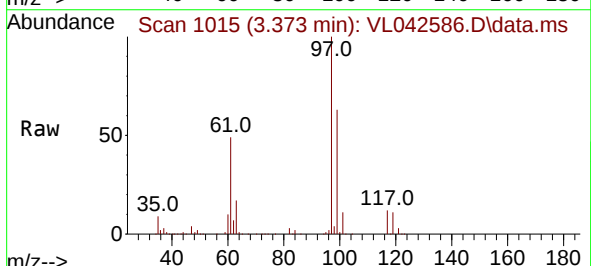
Tgt Ion: 61 Resp: 130619
 Ion Ratio Lower Upper
 61 100
 96 70.0 54.5 81.7
 98 43.8 33.4 50.2

Manual Integrations
 APPROVED

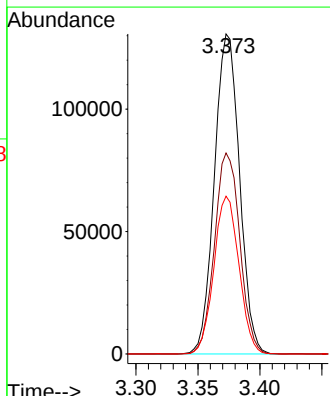
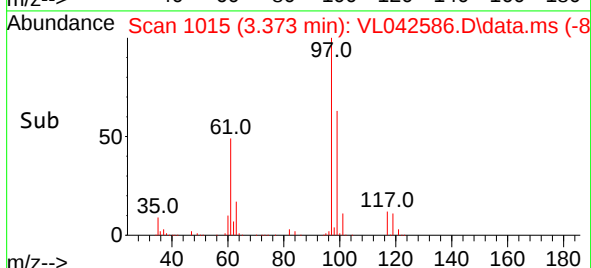
Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#32
 1,1,1-Trichloroethane
 Concen: 9.077 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.003 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56



Tgt Ion: 97 Resp: 185017
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.0 76.6
 61 49.3 39.4 59.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1197

Delta R.T. 0.003 min

Lab File: VL042586.D

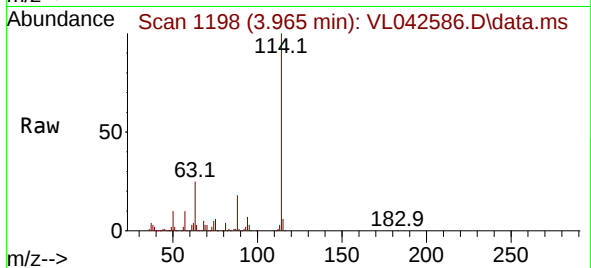
Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL052925



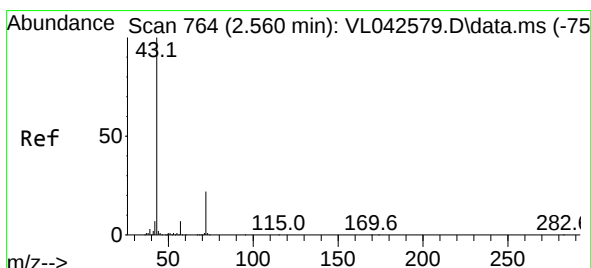
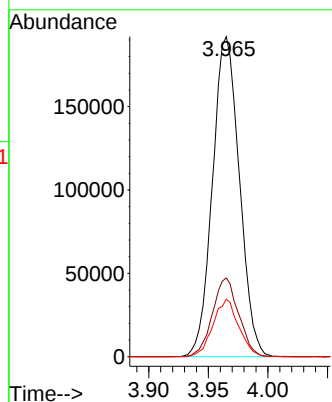
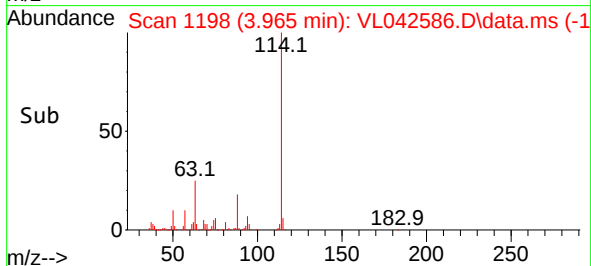
Tgt Ion: 114 Resp: 301054

Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.0	28.6
88	17.1	13.6	20.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#34

2-Butanone

Concen: 9.233 ppbv

RT: 2.560 min Scan# 764

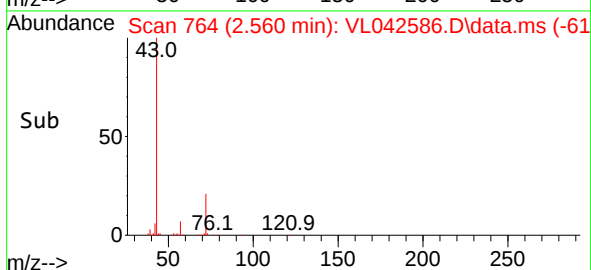
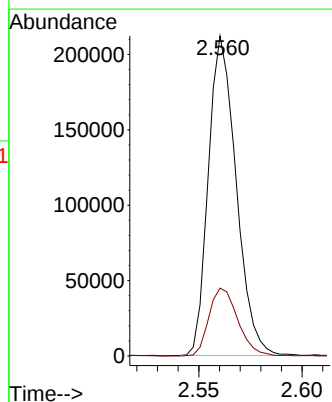
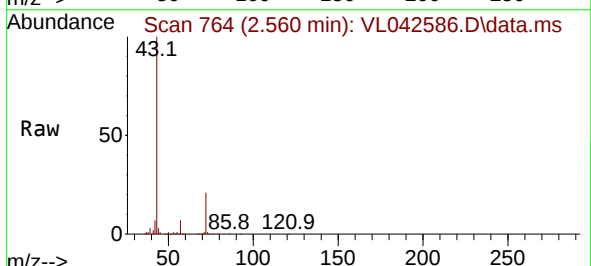
Delta R.T. -0.000 min

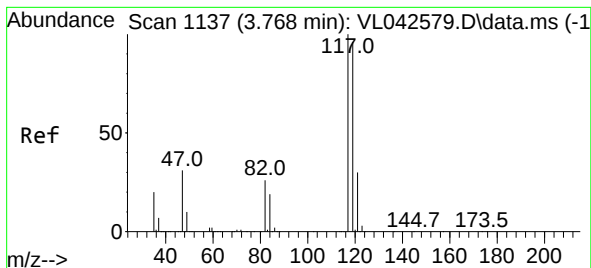
Lab File: VL042586.D

Acq: 29 May 2025 14:56

Tgt Ion: 43 Resp: 198226

Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.7	26.5





#35

Carbon Tetrachloride

Concen: 9.374 ppbv

RT: 3.771 min Scan# 1137

Delta R.T. 0.003 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

ClientSampleId :

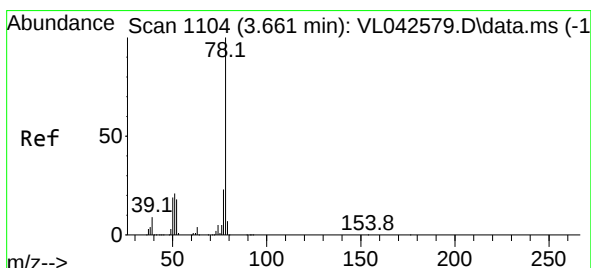
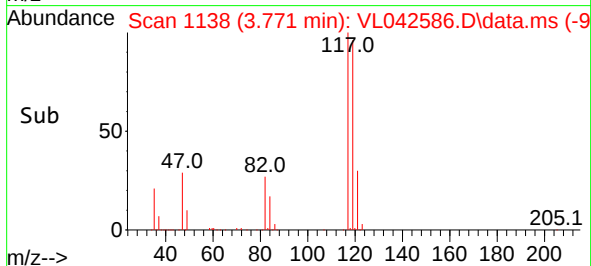
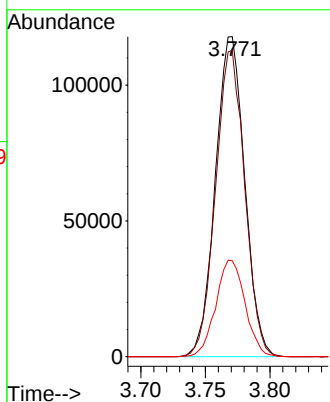
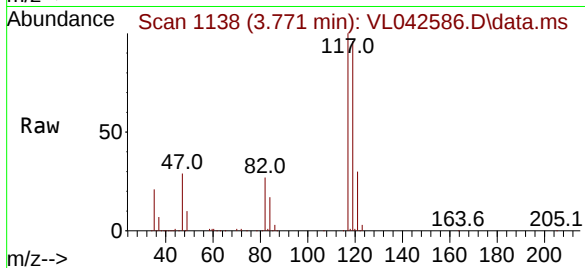
ICVVL052925

Tgt Ion:	117	Resp:	186280
Ion Ratio	Lower	Upper	
117	100		
119	95.8	76.8	115.2
121	30.0	24.3	36.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#36

Benzene

Concen: 9.253 ppbv

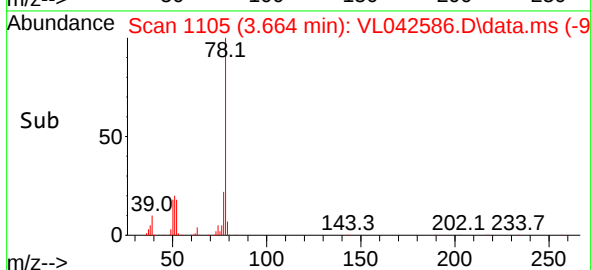
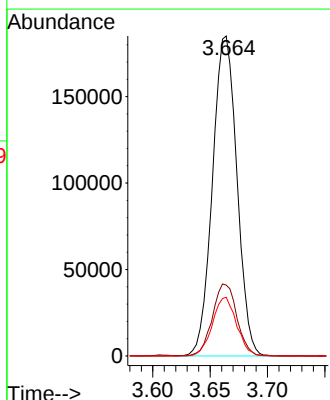
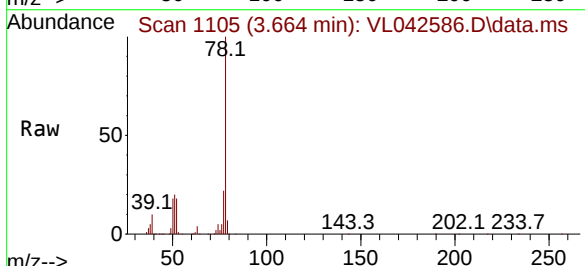
RT: 3.664 min Scan# 1105

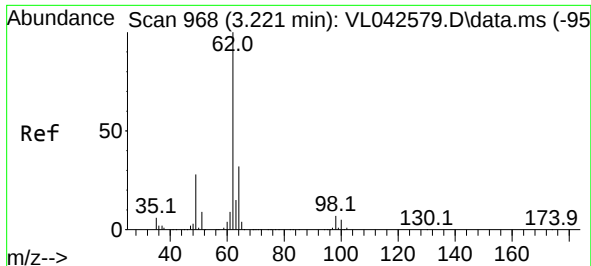
Delta R.T. 0.003 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

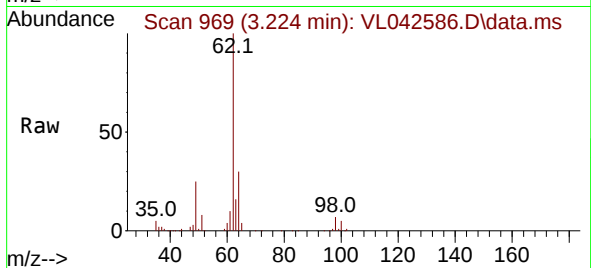
Tgt Ion:	78	Resp:	274314
Ion Ratio	Lower	Upper	
78	100		
77	22.1	18.2	27.2
50	18.4	15.2	22.8





#37
1,2-Dichloroethane
Concen: 9.555 ppbv
RT: 3.224 min Scan# 90
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

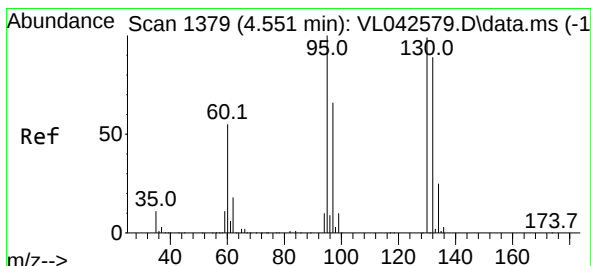
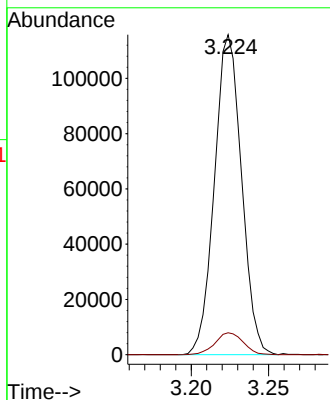
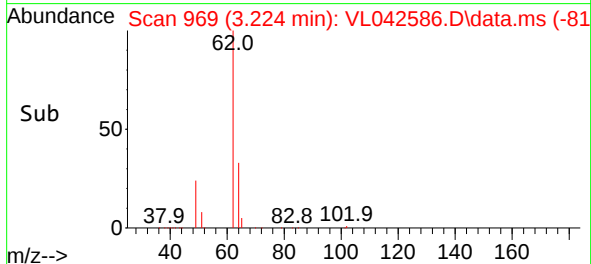
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925



Tgt Ion: 62 Resp: 140785
Ion Ratio Lower Upper
62 100
98 7.1 6.1 9.1

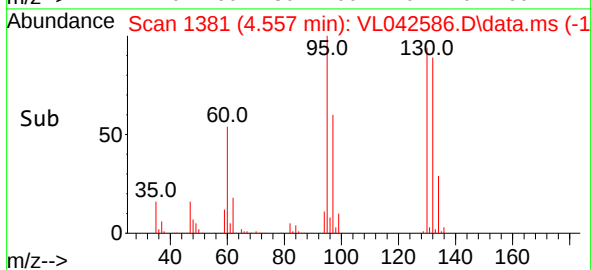
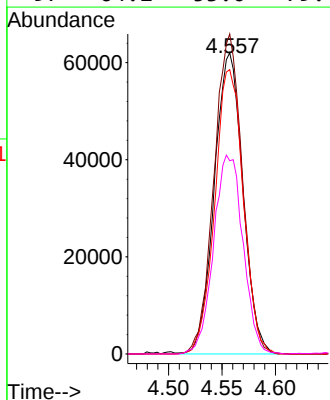
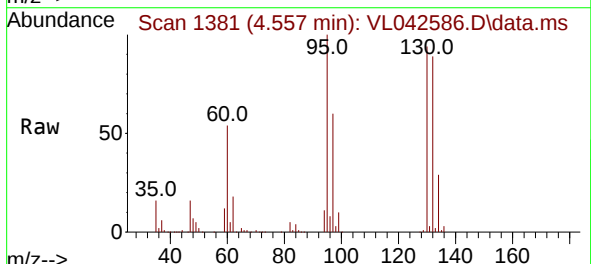
Manual Integrations
APPROVED

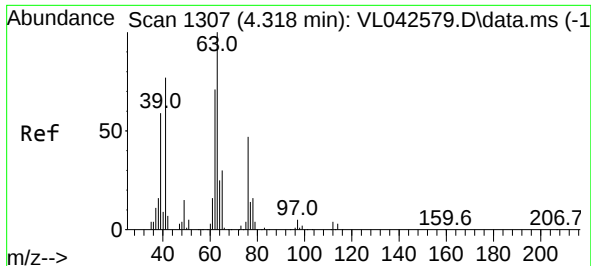
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#38
Trichloroethene
Concen: 9.133 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.006 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

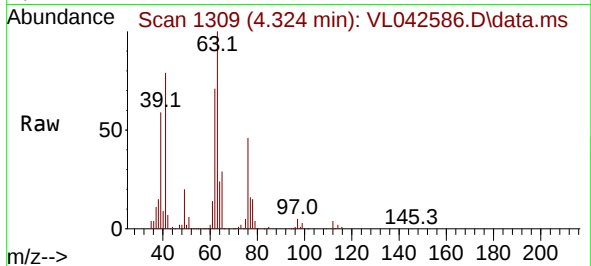
Tgt Ion:130 Resp: 115086
Ion Ratio Lower Upper
130 100
95 106.1 80.6 121.0
132 94.4 71.8 107.6
97 64.2 53.0 79.4





#39
1,2-Dichloropropane
Concen: 8.988 ppbv
RT: 4.324 min Scan# 1309
Delta R.T. 0.006 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

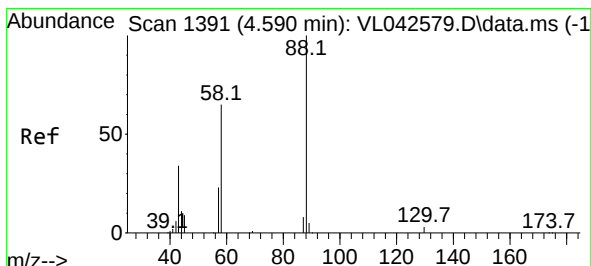
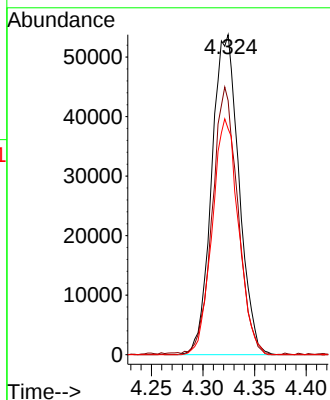
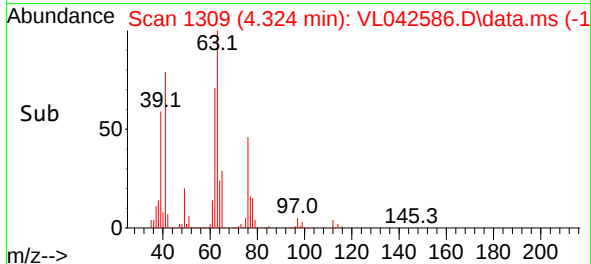
Instrument : MSVOA_L
ClientSampleId : ICVVL052925



Tgt Ion: 63 Resp: 9854
Ion Ratio Lower Upper
63 100
41 79.3 61.8 92.6
62 70.6 56.6 85.0

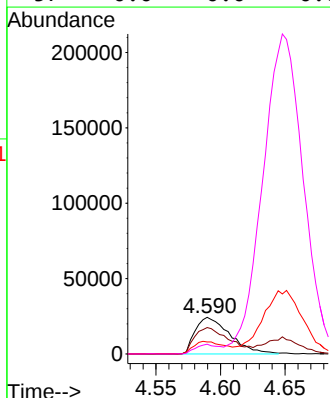
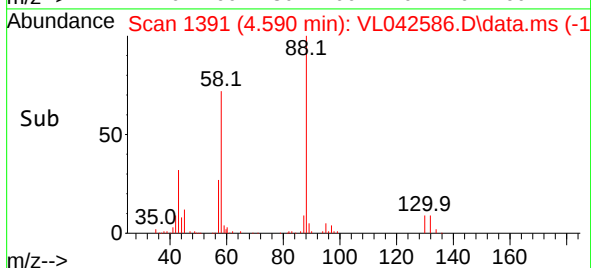
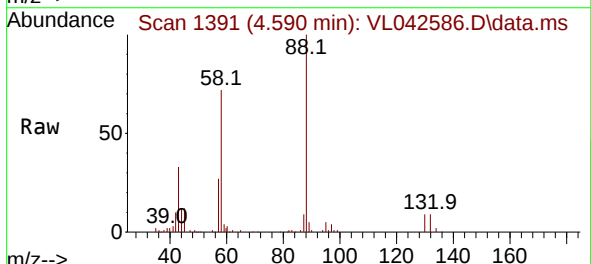
Manual Integrations
APPROVED

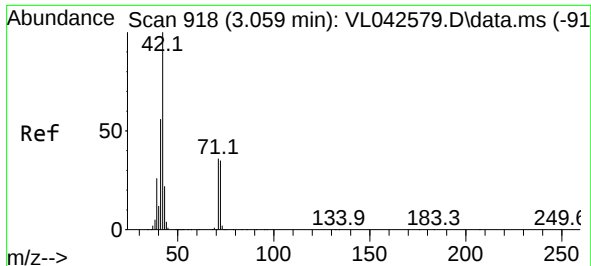
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#40
1,4-Dioxane
Concen: 9.306 ppbv
RT: 4.590 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

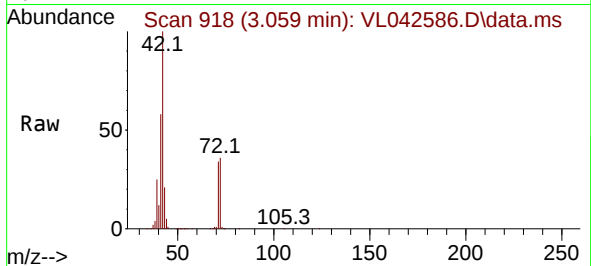
Tgt Ion: 88 Resp: 45655
Ion Ratio Lower Upper
88 100
58 68.9 55.8 83.8
43 30.9 24.8 37.2
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 9.309 ppbv
RT: 3.059 min Scan# 918
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

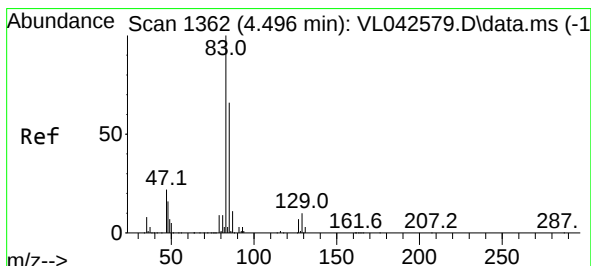
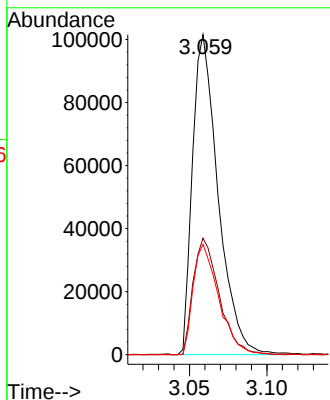
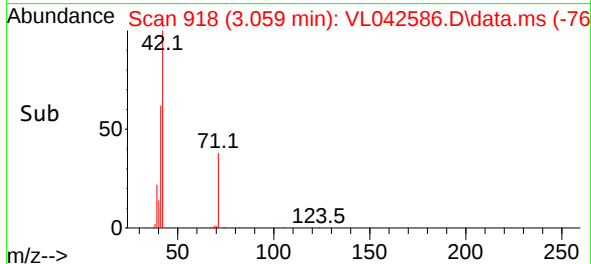
Instrument : MSVOA_L
ClientSampleId : ICVVL052925



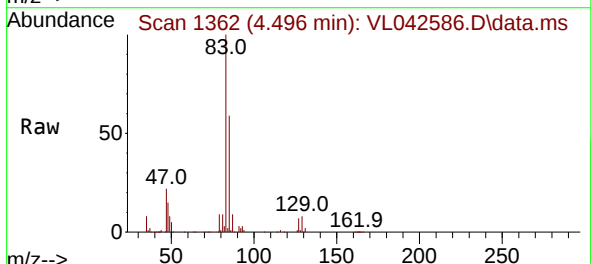
Tgt Ion: 42 Resp: 116984
Ion Ratio Lower Upper
42 100
72 37.0 28.9 43.3
71 34.6 28.5 42.7

Manual Integrations
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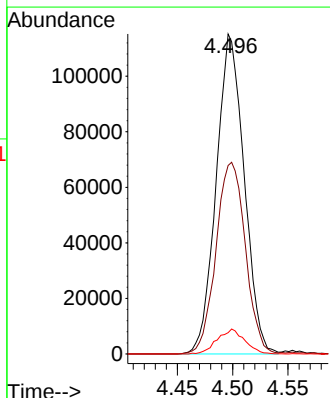
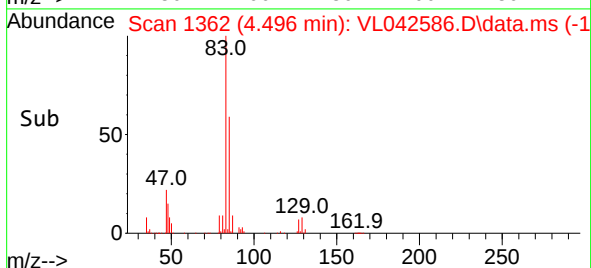
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

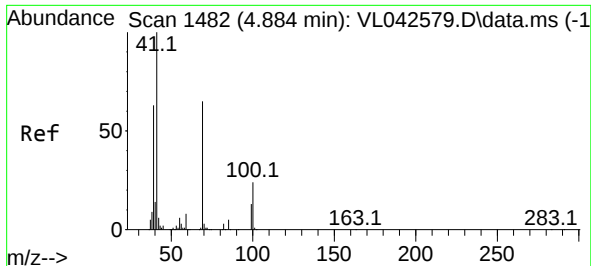


#42
Bromodichloromethane
Concen: 9.676 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56



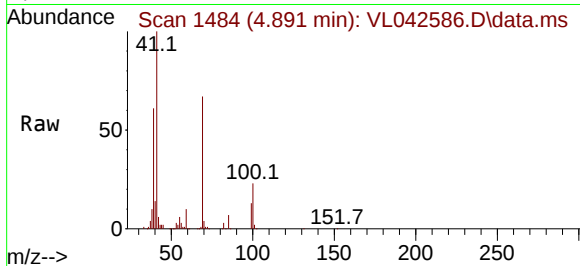
Tgt Ion: 83 Resp: 202489
Ion Ratio Lower Upper
83 100
85 58.9 52.7 79.1
127 6.7 5.8 8.6





#43
Methyl Methacrylate
Concen: 9.421 ppbv
RT: 4.891 min Scan# 1482
Delta R.T. 0.006 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

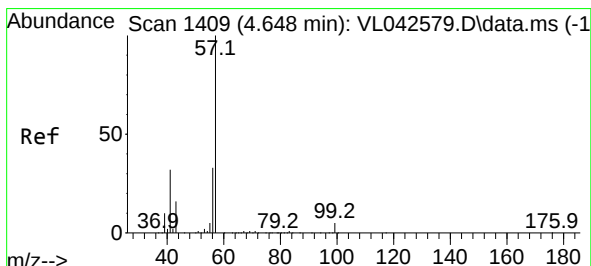
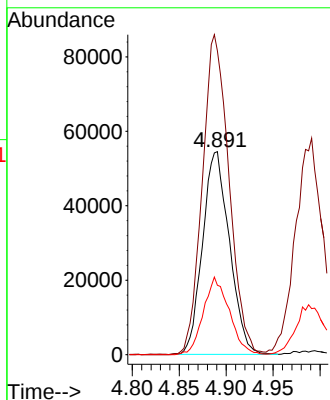
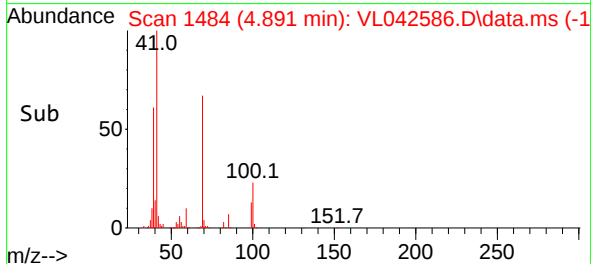
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925



Tgt Ion: 69 Resp: 10839
Ion Ratio Lower Upper
69 100
41 157.1 124.6 187.0
100 36.8 29.9 44.9

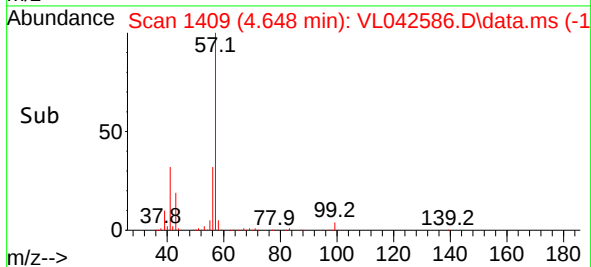
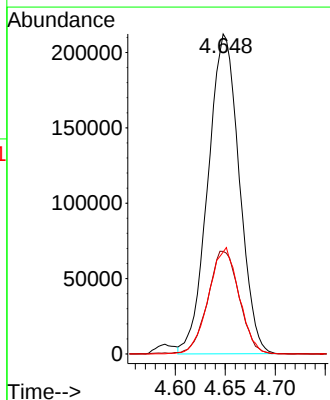
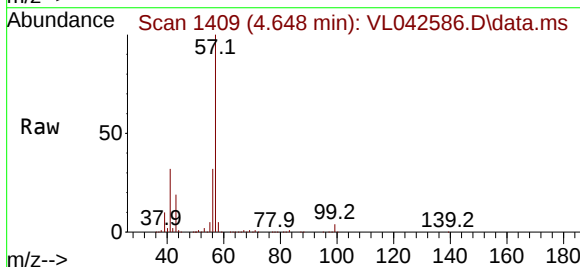
Manual Integrations
APPROVED

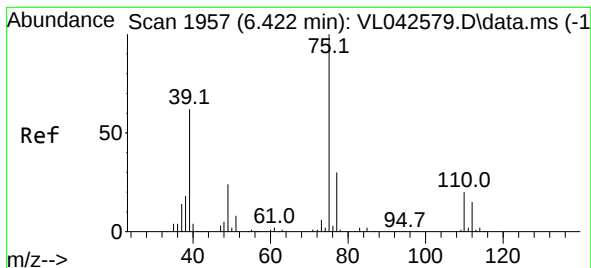
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#44
2,2,4-Trimethylpentane
Concen: 9.093 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 57 Resp: 461095
Ion Ratio Lower Upper
57 100
41 32.4 26.1 39.1
56 32.4 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 9.538 ppbv m

RT: 6.425 min Scan# 1957

Delta R.T. 0.003 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL052925

Tgt Ion: 75 Resp: 125588

Ion Ratio Lower Upper

75 100

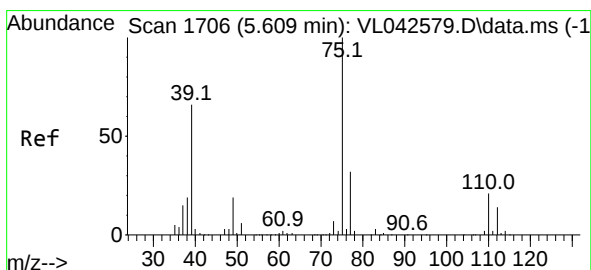
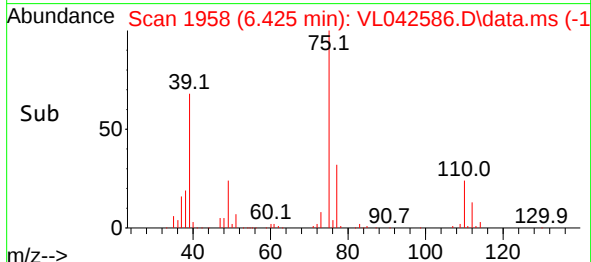
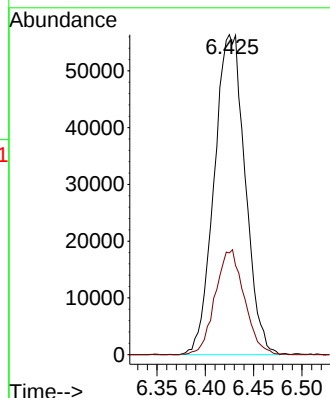
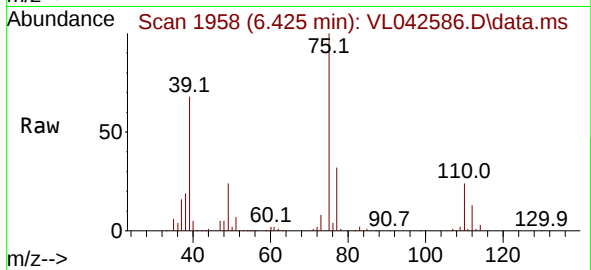
77 31.8 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#46

cis-1,3-Dichloropropene

Concen: 9.505 ppbv

RT: 5.609 min Scan# 1706

Delta R.T. -0.000 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

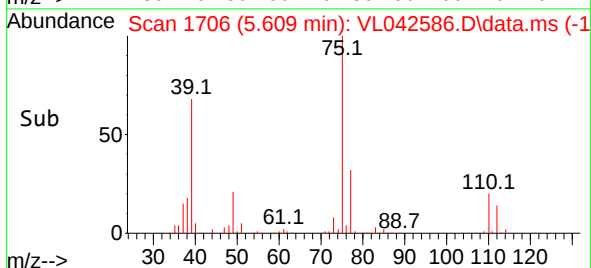
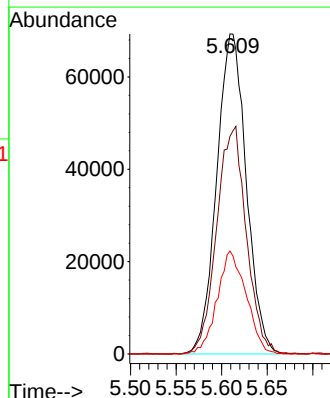
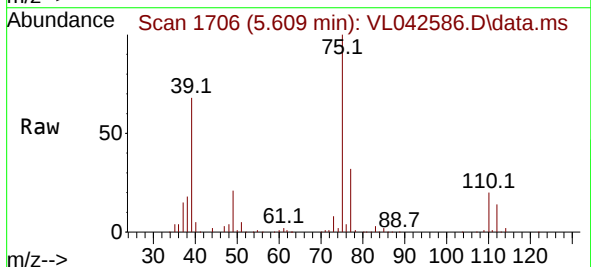
Tgt Ion: 75 Resp: 156828

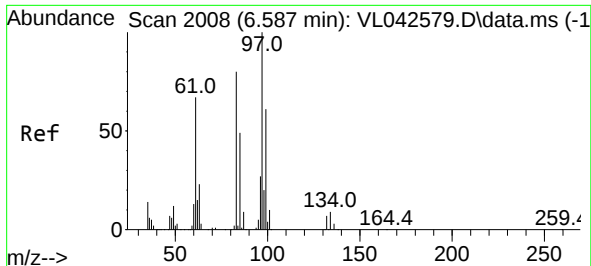
Ion Ratio Lower Upper

75 100

39 68.0 52.7 79.1

77 32.2 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 9.088 ppbv

RT: 6.590 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL052925

Tgt Ion: 97 Resp: 103138

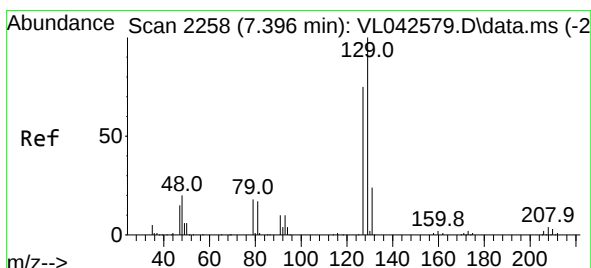
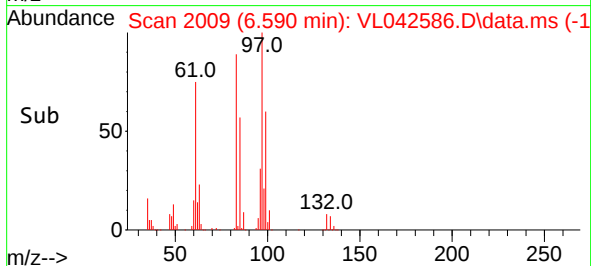
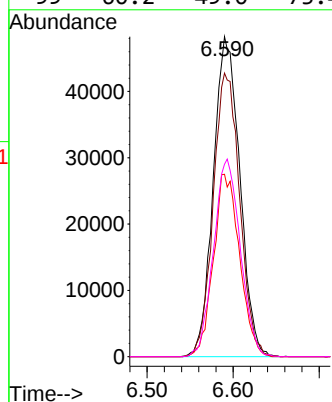
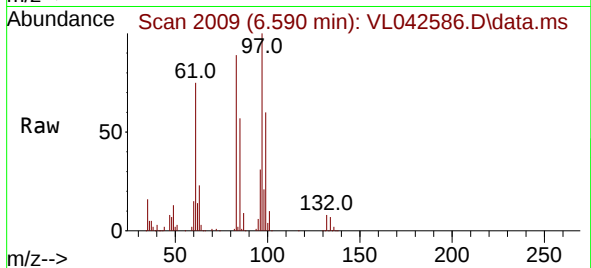
Ion	Ratio	Lower	Upper
97	100		
83	88.6	63.9	95.9
85	57.0	39.2	58.8
99	60.2	49.0	73.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#48

Dibromochloromethane

Concen: 9.391 ppbv

RT: 7.399 min Scan# 2259

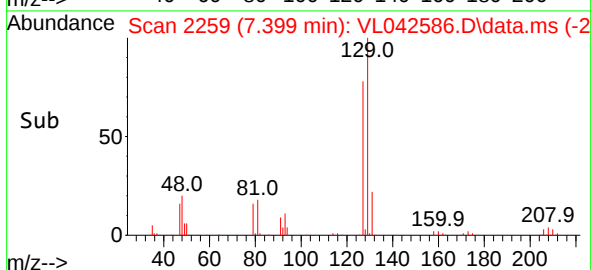
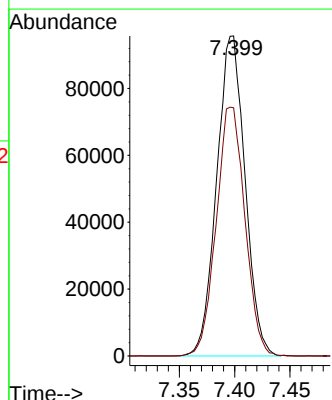
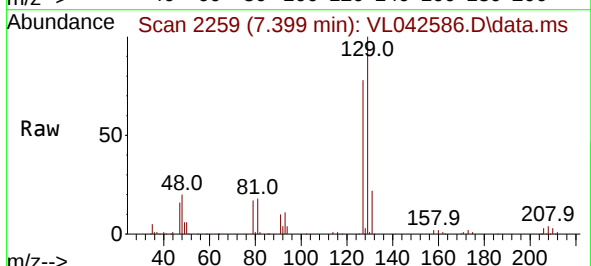
Delta R.T. 0.003 min

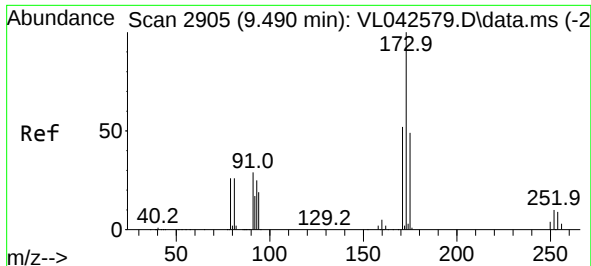
Lab File: VL042586.D

Acq: 29 May 2025 14:56

Tgt Ion:129 Resp: 170606

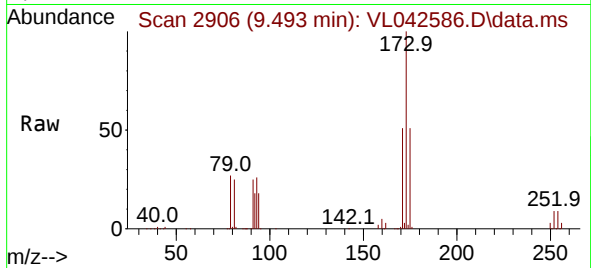
Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.0	116.9





#49
Bromoform
Concen: 9.742 ppbv
RT: 9.493 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

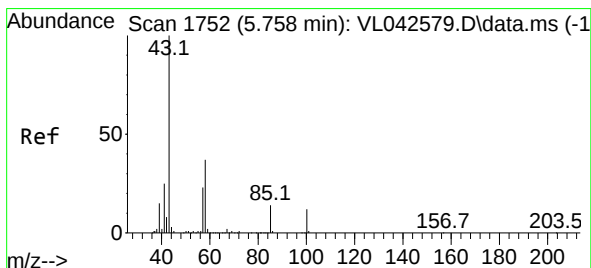
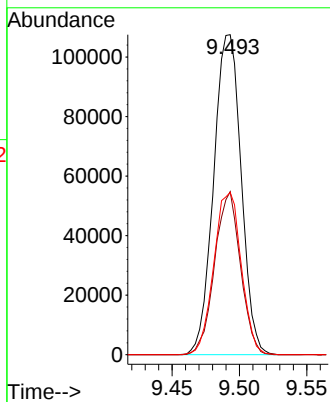
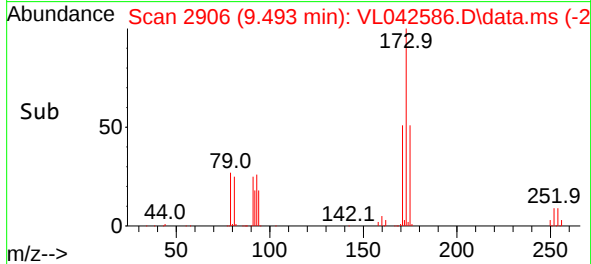
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925



Tgt Ion: 173 Resp: 152725
Ion Ratio Lower Upper
173 100
175 47.8 38.7 58.1
171 50.6 41.2 61.8

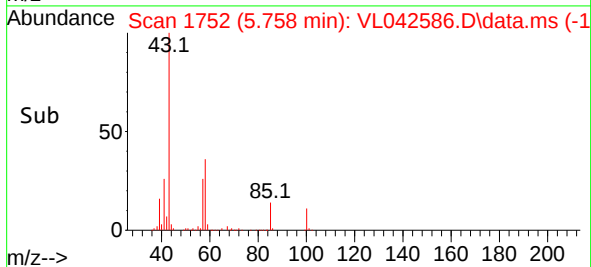
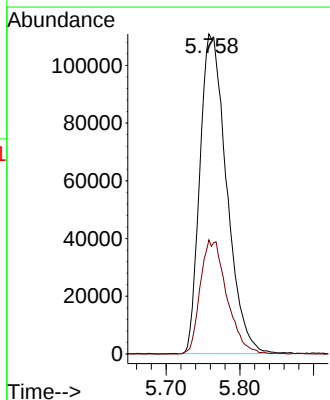
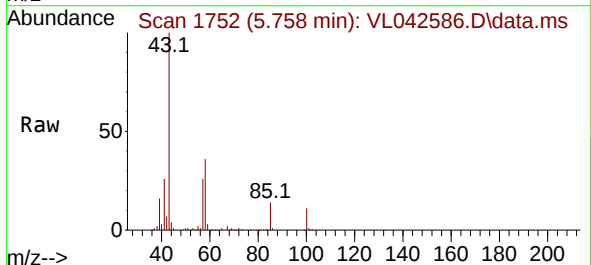
Manual Integrations
APPROVED

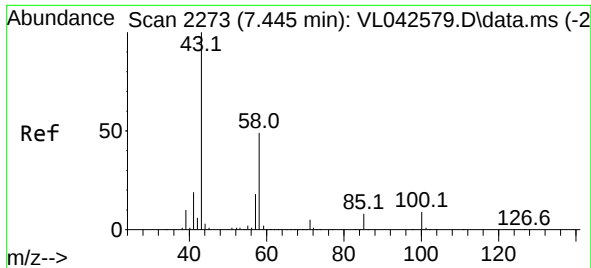
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#50
4-Methyl-2-Pentanone
Concen: 9.369 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

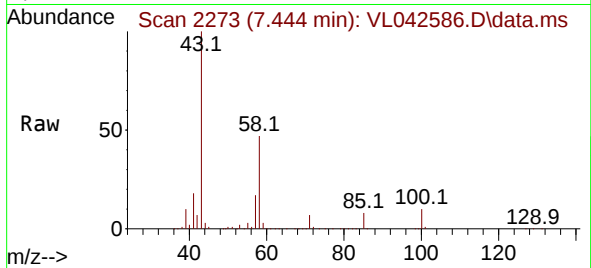
Tgt Ion: 43 Resp: 278990
Ion Ratio Lower Upper
43 100
58 35.5 28.3 42.5





#51
2-Hexanone
Concen: 9.655 ppbv
RT: 7.444 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

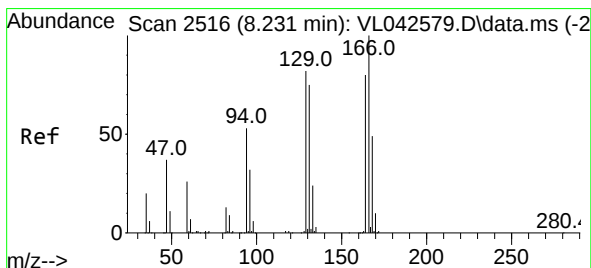
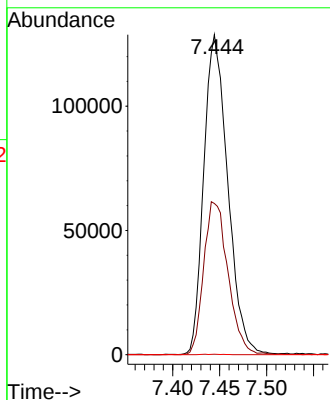
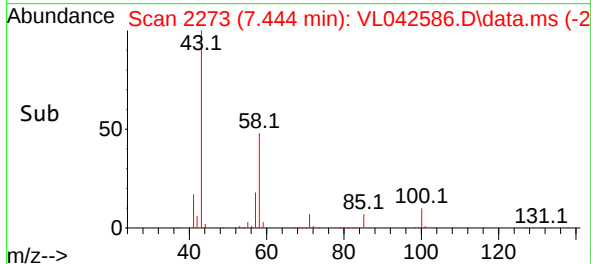
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925



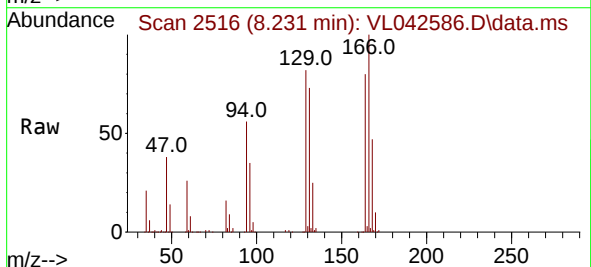
Tgt Ion: 43 Resp: 228036
Ion Ratio Lower Upper
43 100
58 48.6 39.9 59.9
98 0.1 0.1 0.1

Manual Integrations
APPROVED

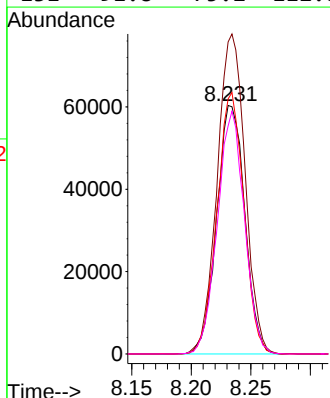
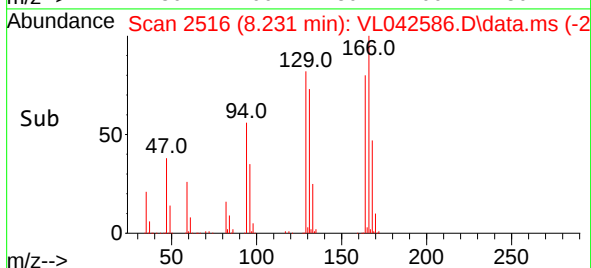
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

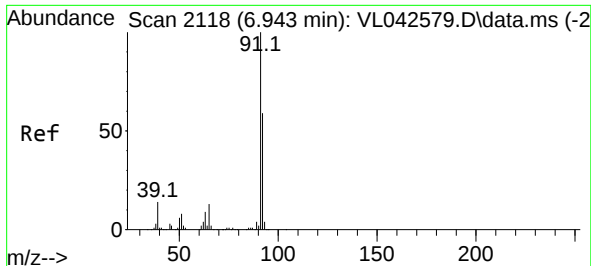


#52
Tetrachloroethene
Concen: 8.925 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56



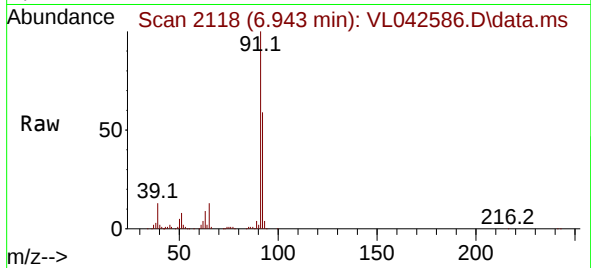
Tgt Ion:164 Resp: 98872
Ion Ratio Lower Upper
164 100
166 125.4 100.0 150.0
129 102.6 82.2 123.4
131 91.8 75.2 112.8





#53
Toluene
Concen: 9.329 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

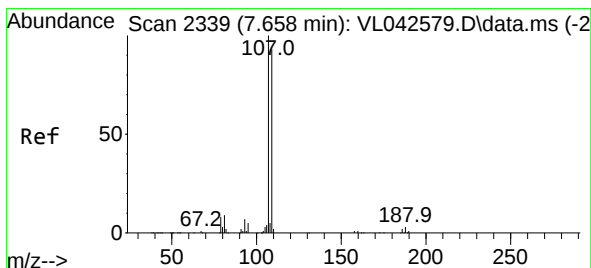
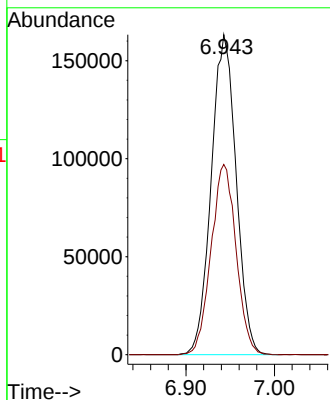
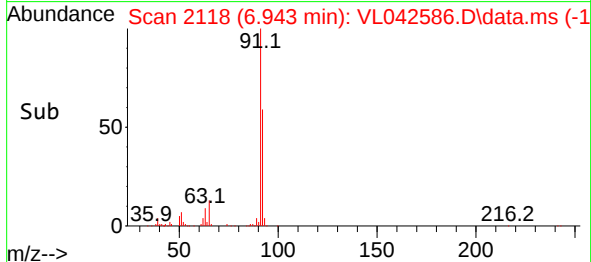
Instrument : MSVOA_L
ClientSampleId : ICVVL052925



Tgt Ion: 91 Resp: 319640
Ion Ratio Lower Upper
91 100
92 59.6 48.2 72.4

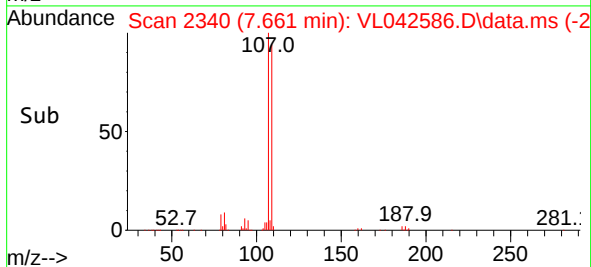
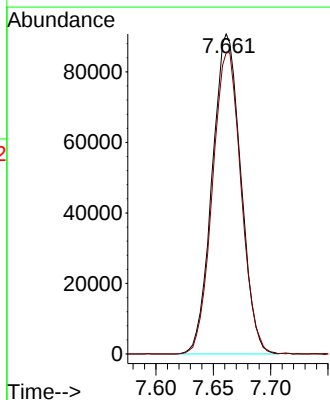
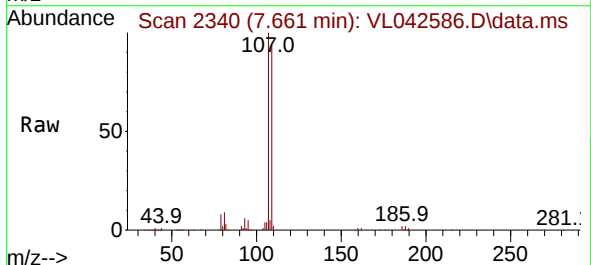
Manual Integrations
APPROVED

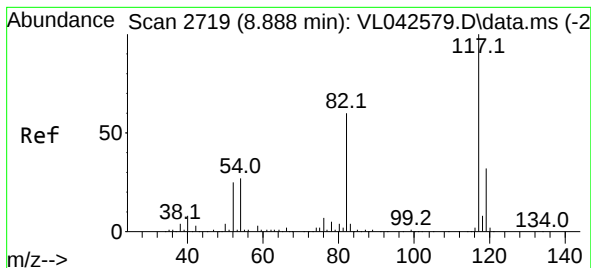
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#54
1,2-Dibromoethane
Concen: 9.364 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:107 Resp: 157298
Ion Ratio Lower Upper
107 100
109 94.1 74.3 111.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. -0.000 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

ClientSampleId :

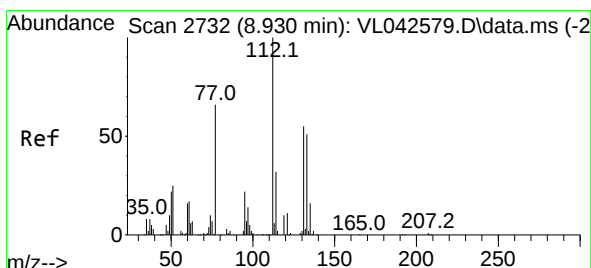
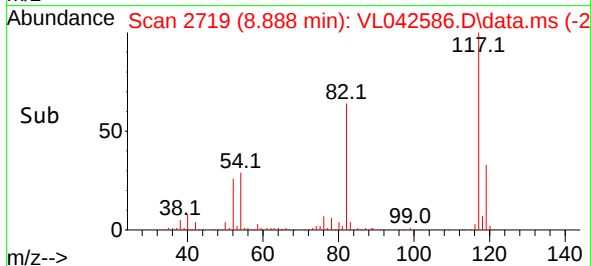
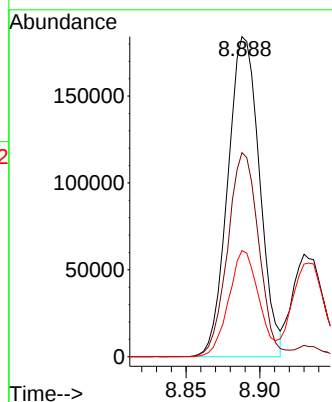
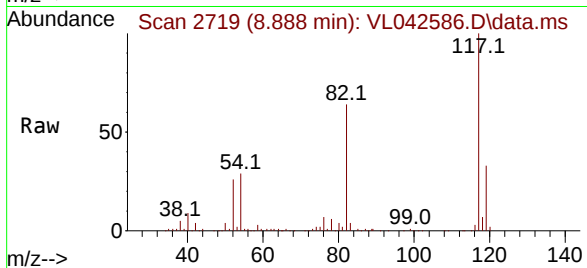
ICVVL052925

Tgt Ion:	117	Resp:	275879
Ion Ratio	Lower	Upper	
117	100		
82	65.3	51.2	76.8
119	31.5	26.3	39.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 9.199 ppbv

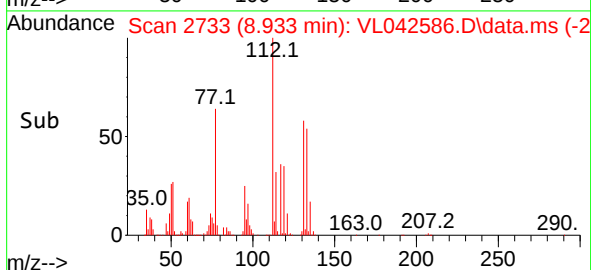
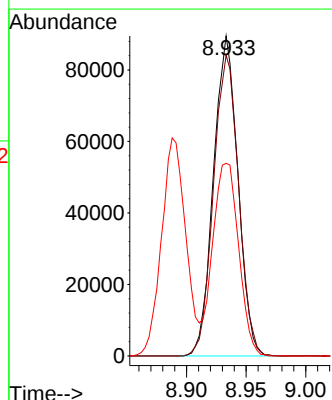
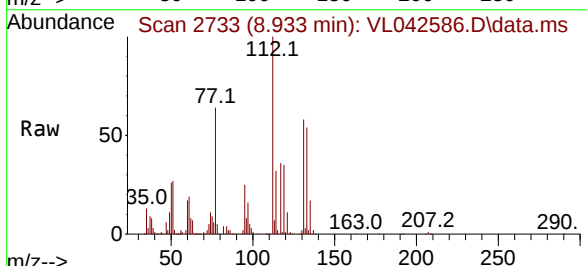
RT: 8.933 min Scan# 2733

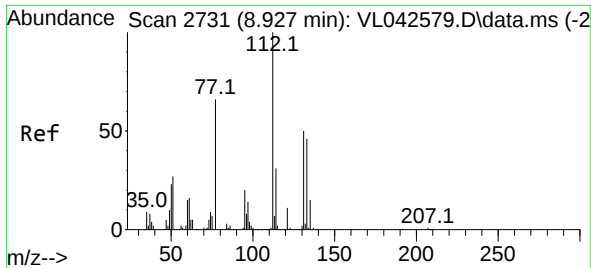
Delta R.T. 0.003 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

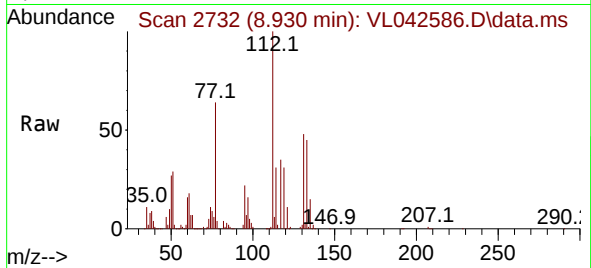
Tgt Ion:	131	Resp:	127601
Ion Ratio	Lower	Upper	
131	100		
133	96.6	75.0	112.6
119	65.7	50.8	76.2





#57
Chlorobenzene
Concen: 9.054 ppbv
RT: 8.930 min Scan# 2731
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

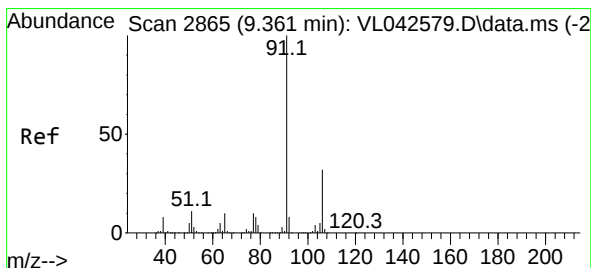
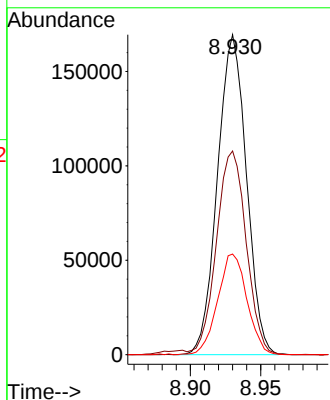
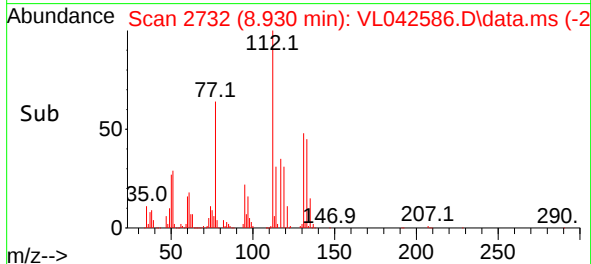
Instrument : MSVOA_L
ClientSampleId : ICVVL052925



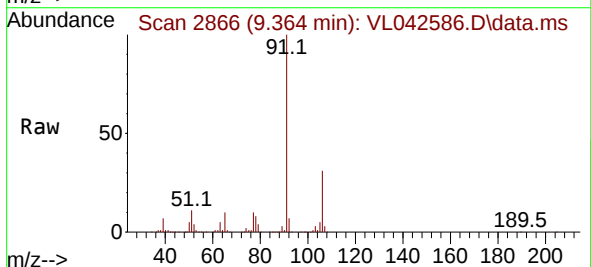
Tgt Ion:112 Resp: 24253
Ion Ratio Lower Upper
112 100
77 63.4 53.5 80.3
114 31.4 27.8 34.0

Manual Integrations
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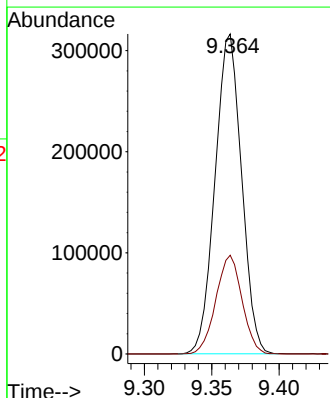
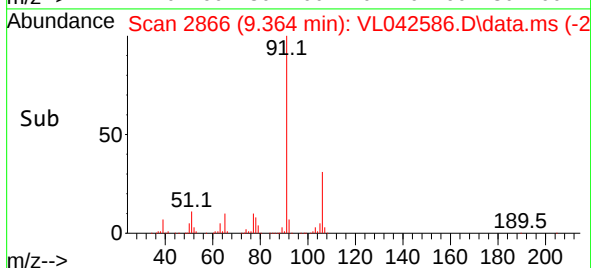
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

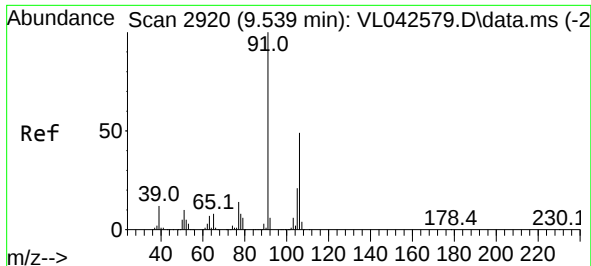


#58
Ethyl Benzene
Concen: 9.237 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56



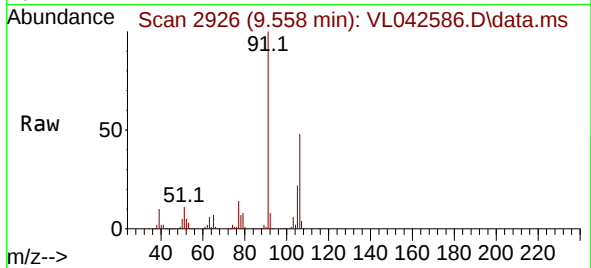
Tgt Ion: 91 Resp: 432250
Ion Ratio Lower Upper
91 100
106 30.9 25.9 38.9





#59
m/p-Xylene
Concen: 18.377 ppbv m
RT: 9.558 min Scan# 2920
Delta R.T. 0.019 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

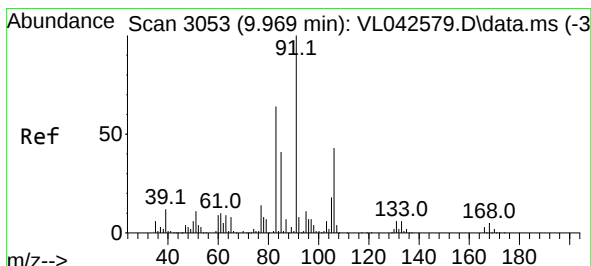
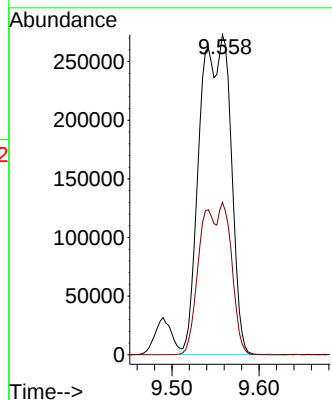
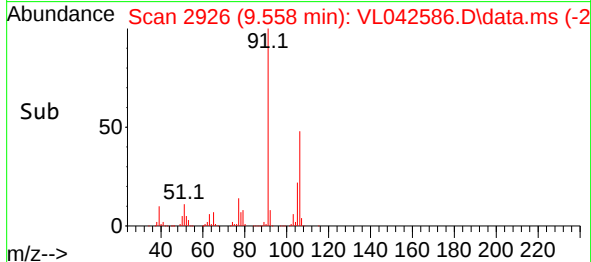
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925



Tgt Ion: 91 Resp: 67674
Ion Ratio Lower Upper
91 100
106 0.0 38.8 58.2

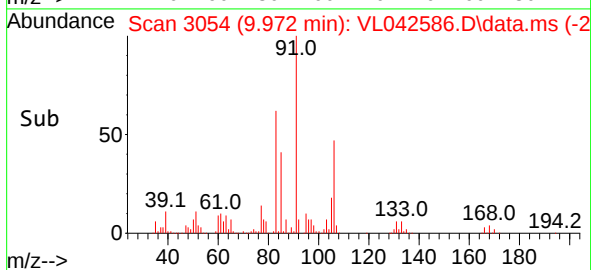
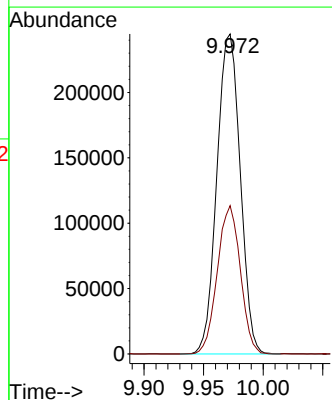
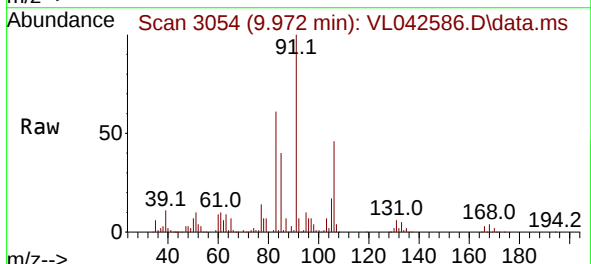
Manual Integrations
APPROVED

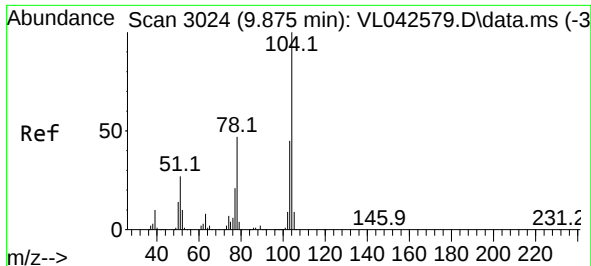
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#60
o-Xylene
Concen: 9.069 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

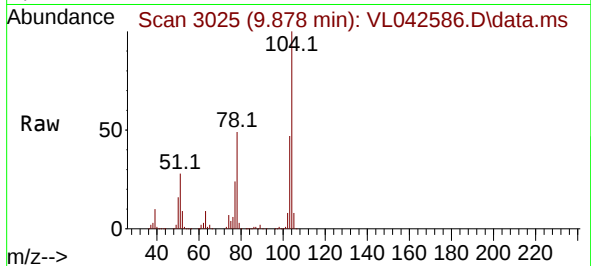
Tgt Ion: 91 Resp: 333107
Ion Ratio Lower Upper
91 100
106 45.7 22.9 68.5





#61
Styrene
Concen: 9.396 ppbv
RT: 9.878 min Scan# 3024
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

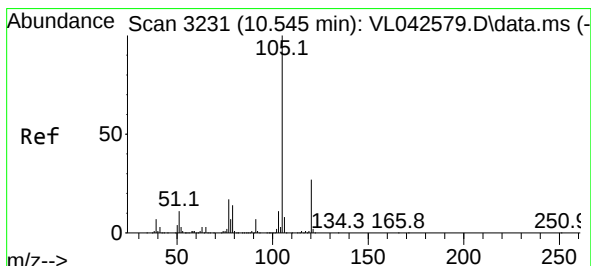
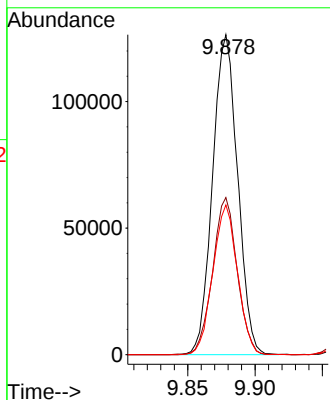
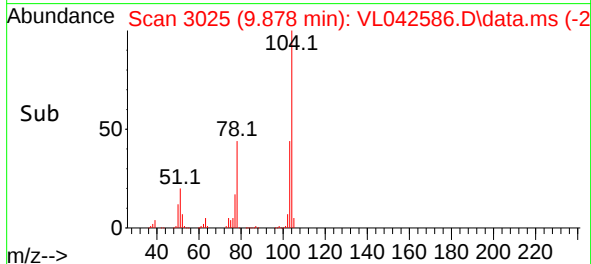
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925



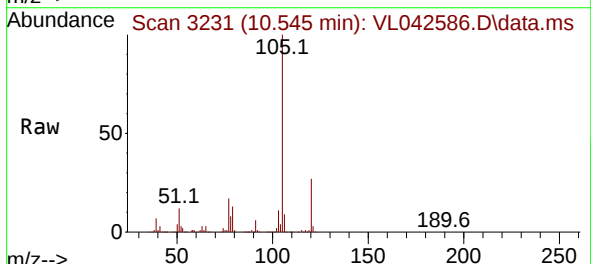
Tgt Ion:104 Resp: 16316
Ion Ratio Lower Upper
104 100
78 48.2 38.2 57.4
103 46.1 36.7 55.1

Manual Integrations
APPROVED

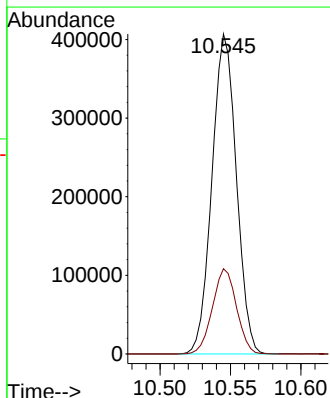
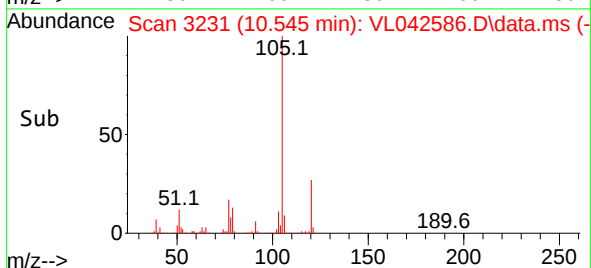
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

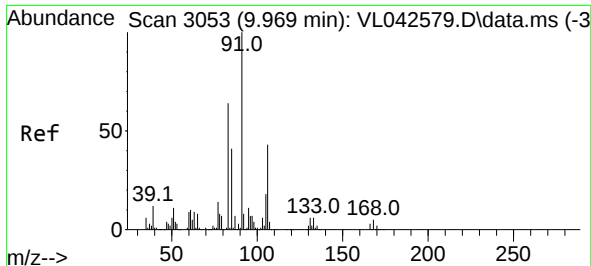


#62
Isopropylbenzene
Concen: 9.051 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56



Tgt Ion:105 Resp: 491107
Ion Ratio Lower Upper
105 100
120 26.2 20.9 31.3





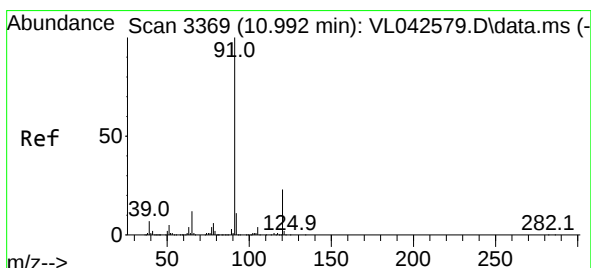
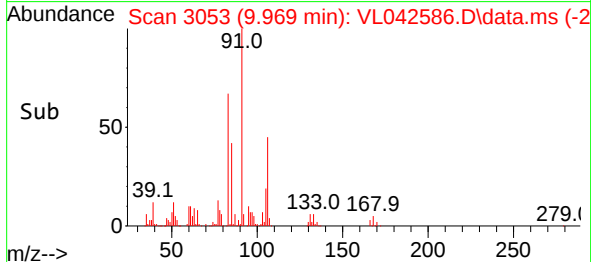
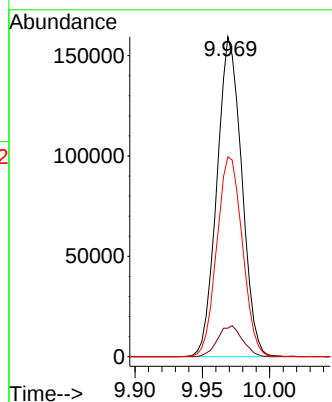
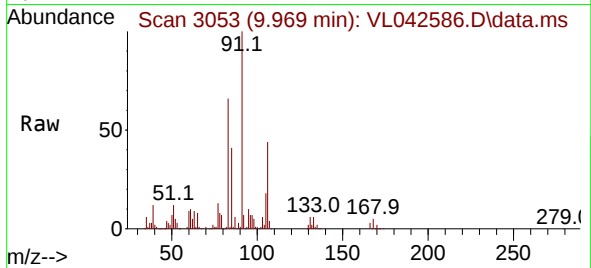
#63
1,1,2,2-Tetrachloroethane
Concen: 8.749 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument : MSVOA_L
ClientSampleId : ICVVL052925

Tgt Ion: 83 Resp: 20432
Ion Ratio Lower Upper
83 100
131 9.7 4.8 14.4
85 64.5 32.5 97.4

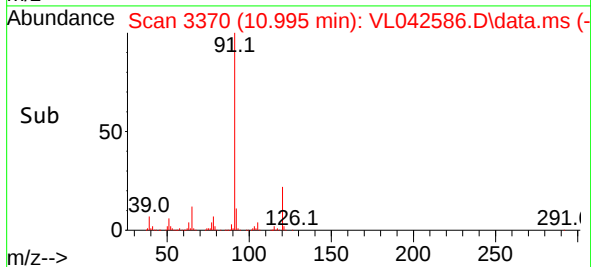
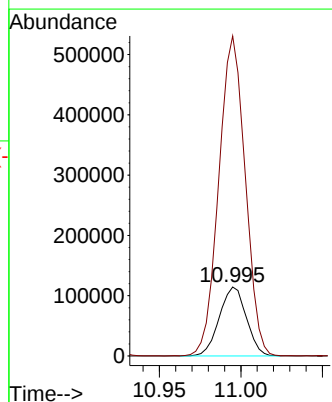
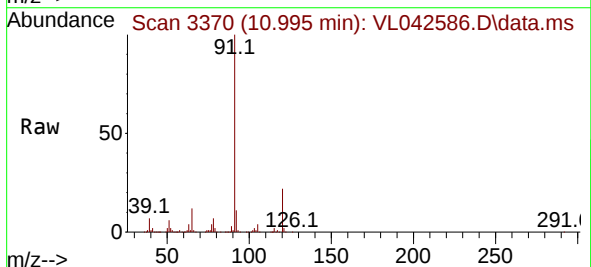
Manual Integrations
APPROVED

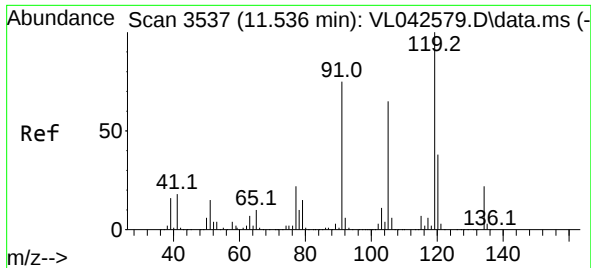
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#64
n-propylbenzene
Concen: 9.054 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:120 Resp: 131695
Ion Ratio Lower Upper
120 100
91 453.7 363.0 544.6





#65
tert-Butylbenzene
Concen: 8.758 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

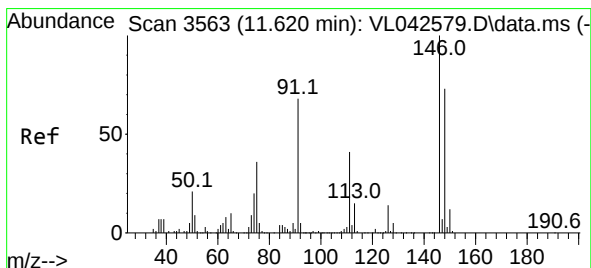
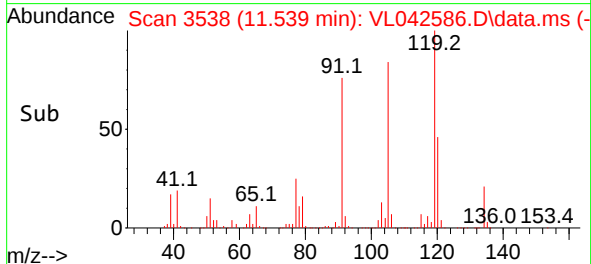
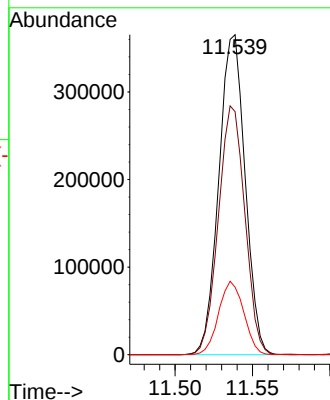
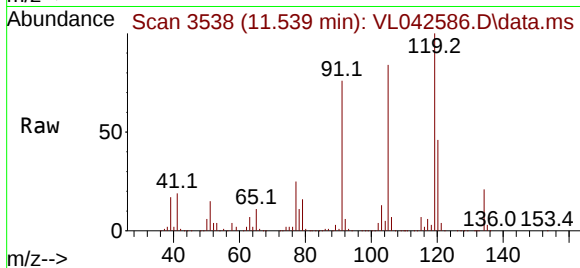
ClientSampleId :

ICVVL052925

Tgt Ion:119 Resp: 43125
Ion Ratio Lower Upper
119 100
91 78.2 61.1 91.7
134 22.0 17.4 26.2

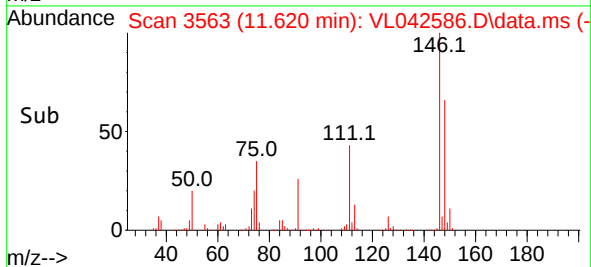
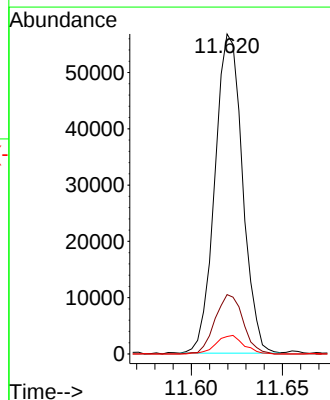
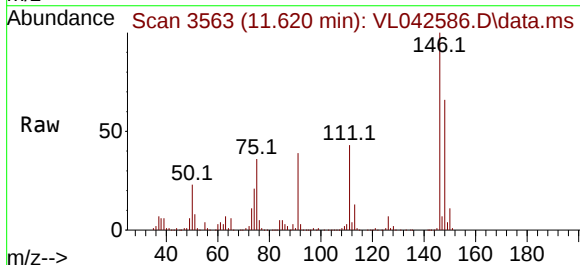
Manual Integrations
APPROVED

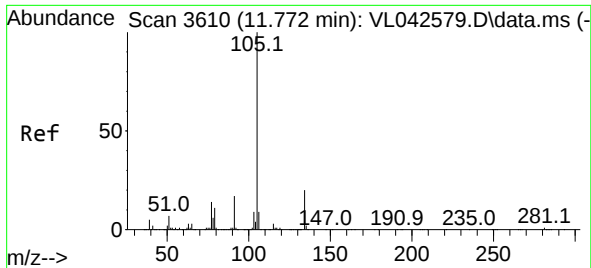
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#66
Benzyl Chloride
Concen: 9.435 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

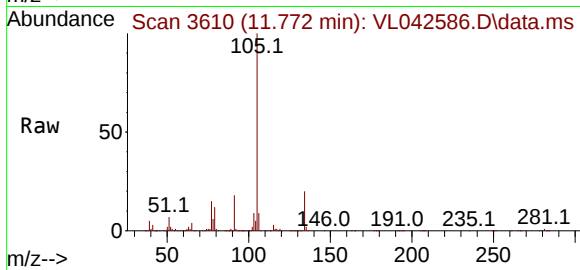
Tgt Ion: 91 Resp: 59801
Ion Ratio Lower Upper
91 100
126 18.9 15.1 22.7
128 5.8 5.0 7.6





#67
 sec-Butylbenzene
 Concen: 8.781 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. -0.000 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56

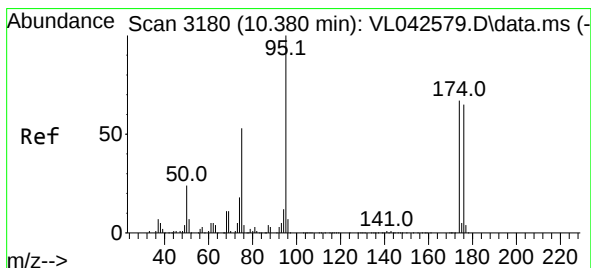
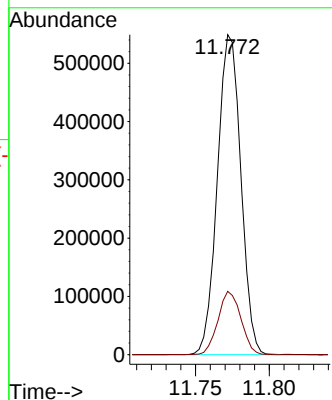
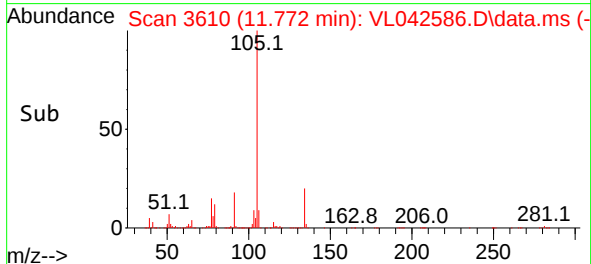
Instrument :
 MSVOA_1
 ClientSampleId :
 ICVVL052925



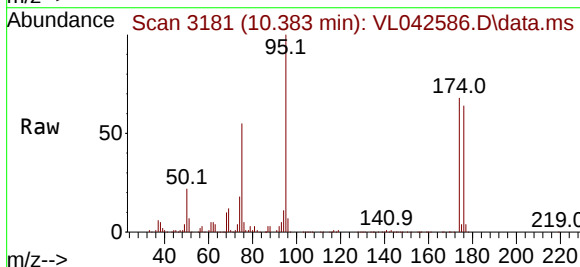
Tgt Ion:105 Resp: 60790
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.8 23.6

Manual Integrations
 APPROVED

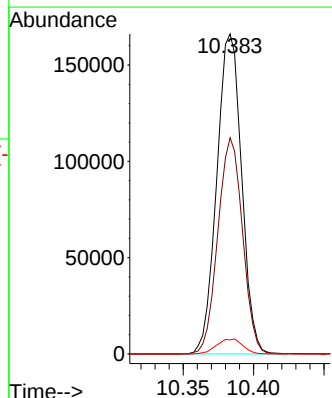
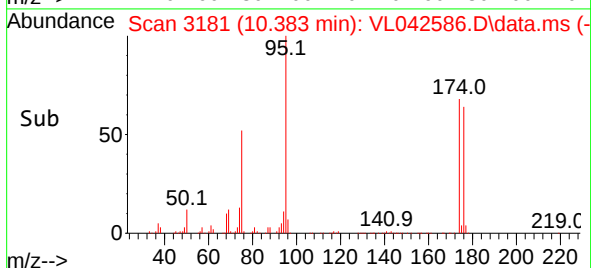
Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025

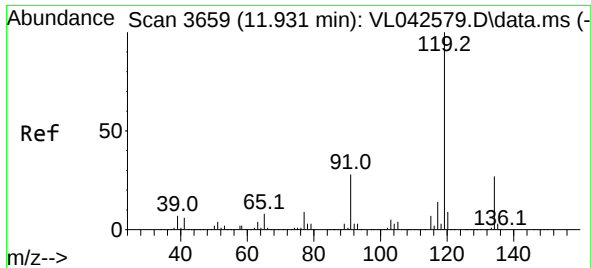


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.852 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. 0.003 min
 Lab File: VL042586.D
 Acq: 29 May 2025 14:56



Tgt Ion: 95 Resp: 203743
 Ion Ratio Lower Upper
 95 100
 174 67.1 53.1 79.7
 175 4.9 4.2 6.2





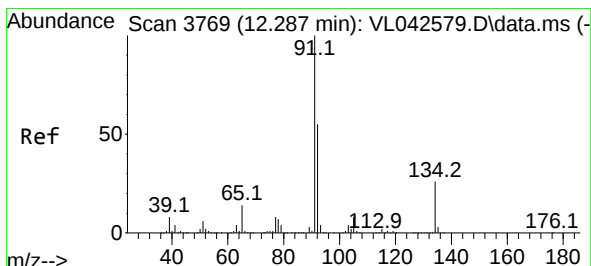
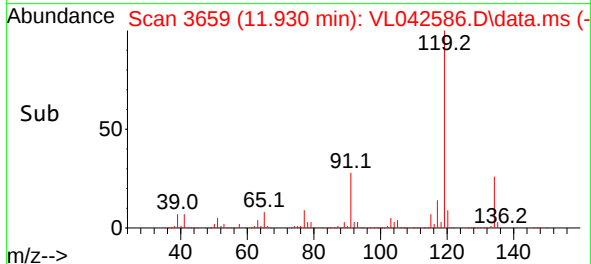
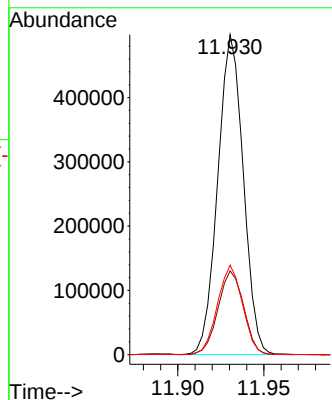
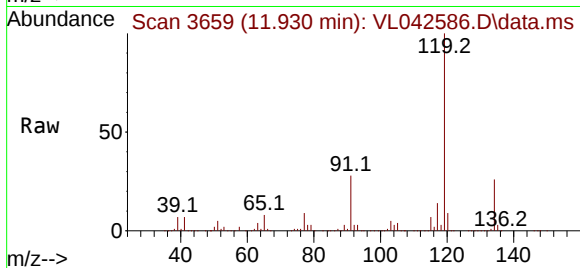
#69
p-Isopropyltoluene
Concen: 8.844 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 119 Resp: 512739
Ion Ratio Lower Upper
119 100
134 26.5 21.1 31.7
91 27.7 21.9 32.9

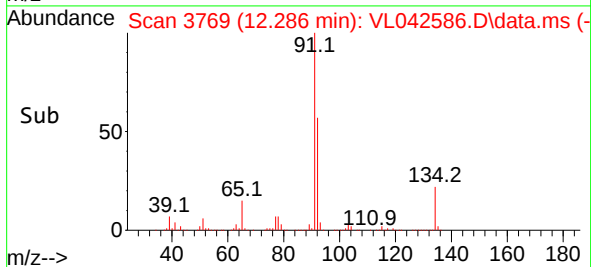
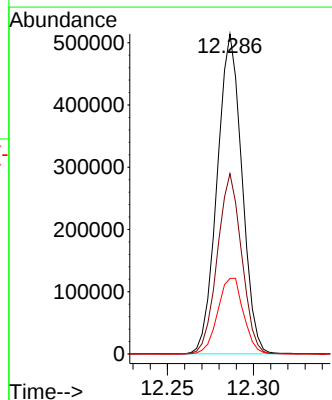
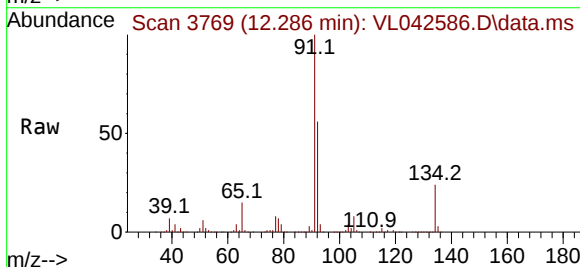
Manual Integrations
APPROVED

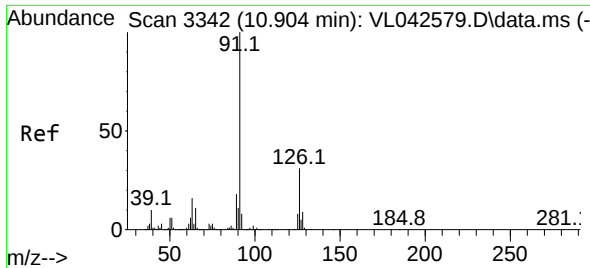
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#70
n-Butylbenzene
Concen: 8.998 ppbv
RT: 12.286 min Scan# 3769
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

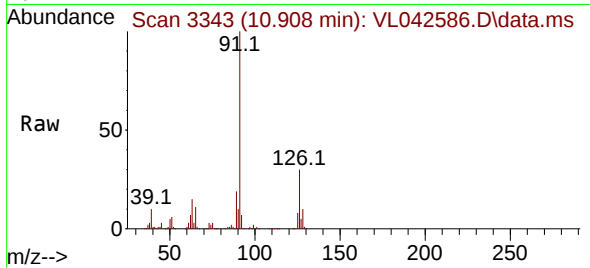
Tgt Ion: 91 Resp: 514931
Ion Ratio Lower Upper
91 100
92 55.4 44.4 66.6
134 24.6 20.1 30.1





#71
2-Chlorotoluene
Concen: 9.119 ppbv
RT: 10.908 min Scan# 311
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

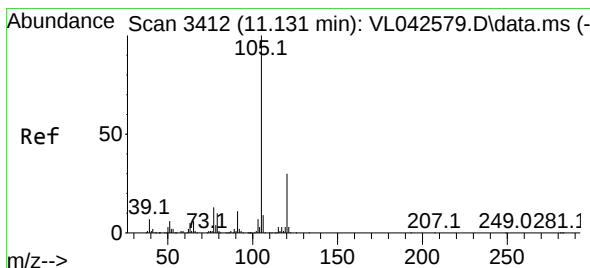
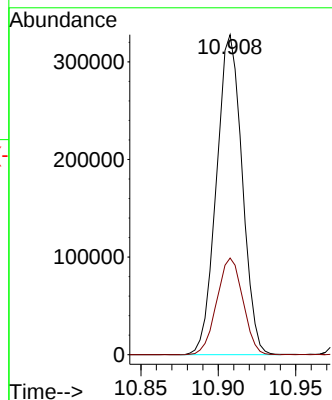
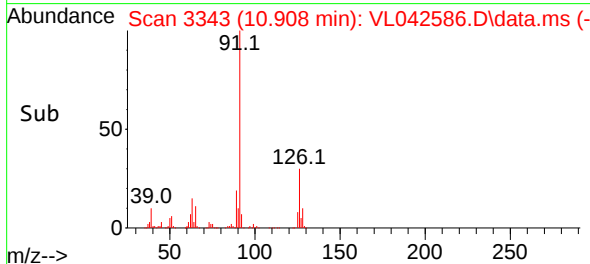
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925



Tgt Ion: 91 Resp: 377411
Ion Ratio Lower Upper
91 100
126 30.7 12.6 50.4

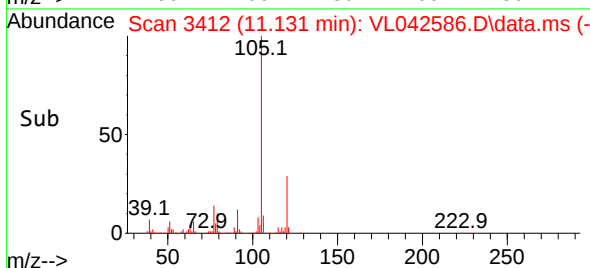
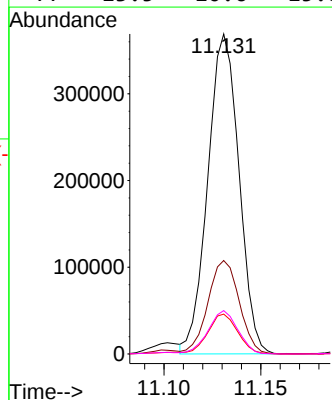
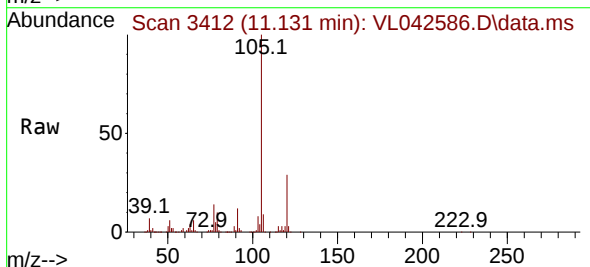
Manual Integrations
APPROVED

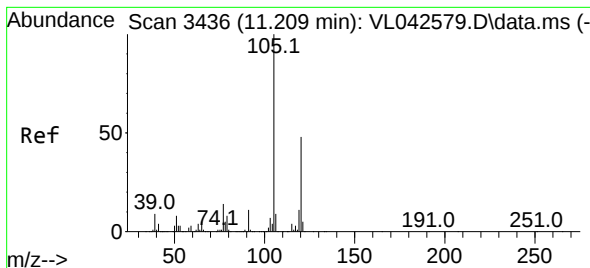
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#72
4-Ethyltoluene
Concen: 9.012 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:105 Resp: 412686
Ion Ratio Lower Upper
105 100
120 30.4 24.6 36.8
91 12.4 9.6 14.4
77 13.5 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 9.131 ppbv

RT: 11.209 min Scan# 3436

Delta R.T. -0.000 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL052925

Tgt Ion:105 Resp: 34604

Ion Ratio Lower Upper

105 100

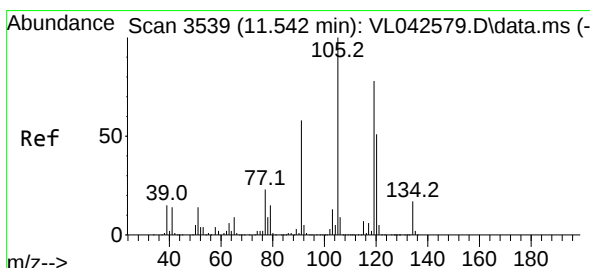
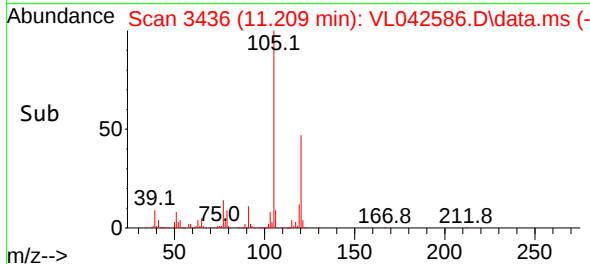
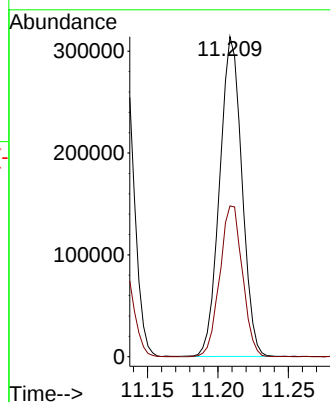
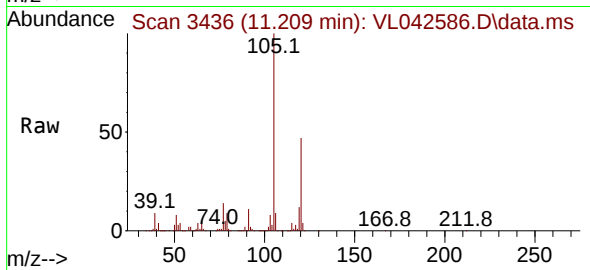
120 47.1 38.8 58.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#74

1,2,4-Trimethylbenzene

Concen: 8.842 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. -0.000 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Tgt Ion:105 Resp: 371879

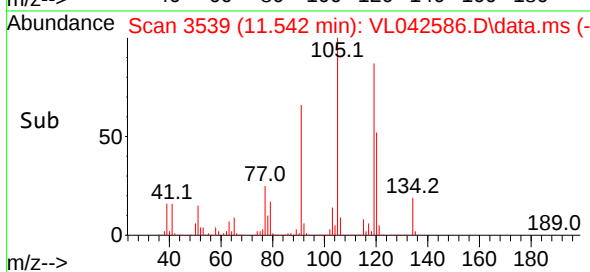
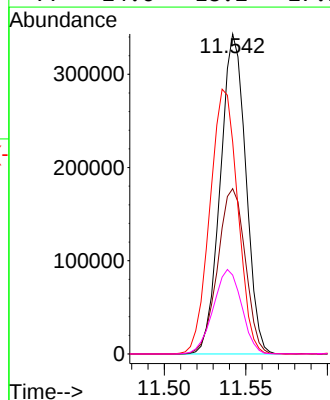
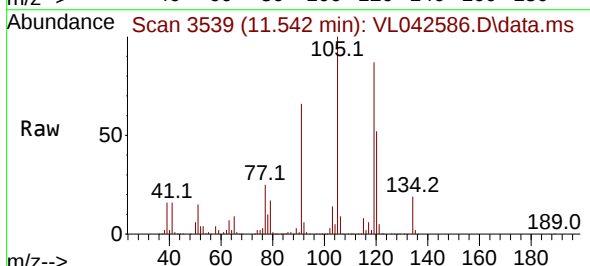
Ion Ratio Lower Upper

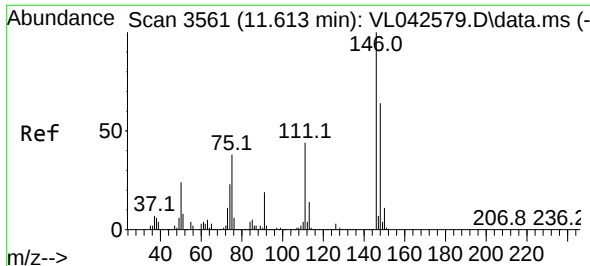
105 100

120 51.6 40.8 61.2

91 66.2 46.8 70.2

77 24.6 18.2 27.2





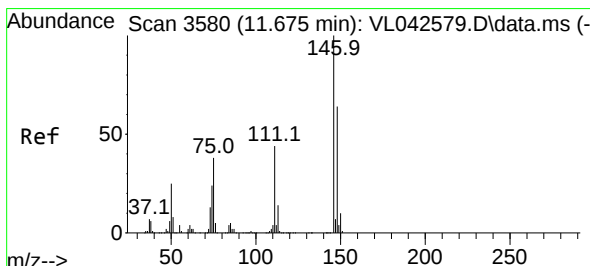
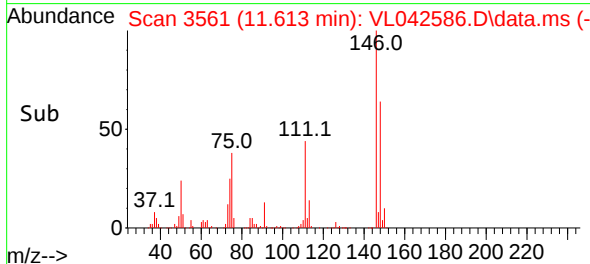
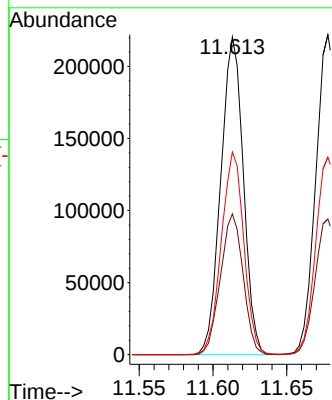
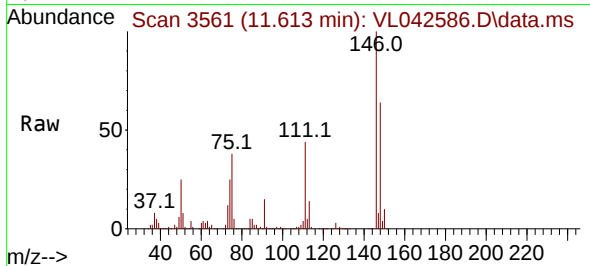
#75
1,3-Dichlorobenzene
Concen: 8.886 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument : MSVOA_L
ClientSampleId : ICVVL052925

Tgt Ion:146 Resp: 234700
Ion Ratio Lower Upper
146 100
111 44.5 22.4 67.3
148 63.8 32.0 96.2

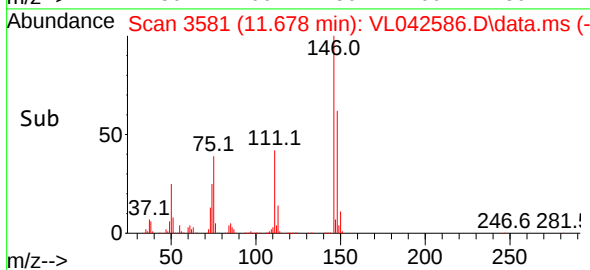
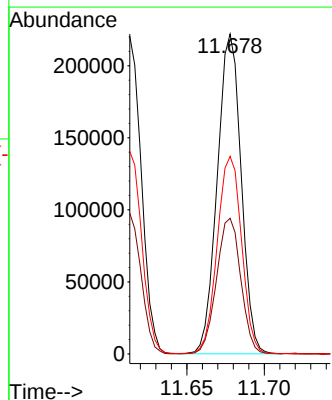
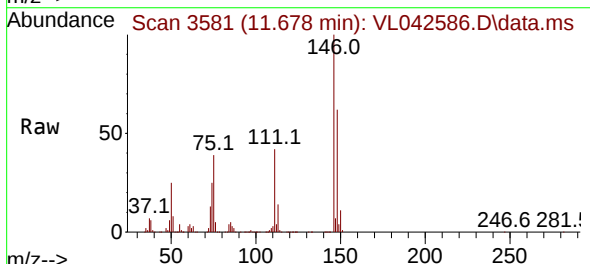
Manual Integrations
APPROVED

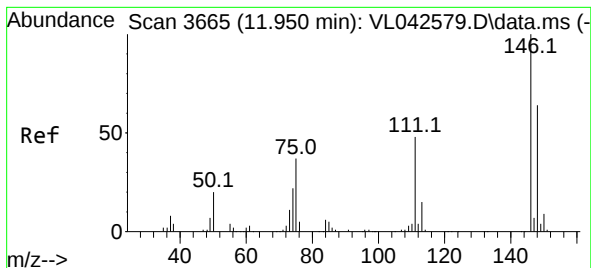
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#76
1,4-Dichlorobenzene
Concen: 9.034 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:146 Resp: 237978
Ion Ratio Lower Upper
146 100
111 43.2 21.6 64.8
148 63.3 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 8.754 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. 0.003 min

Lab File: VL042586.D

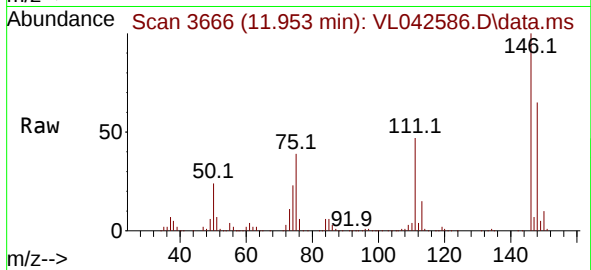
Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL052925



Tgt Ion:146 Resp: 224400

Ion Ratio Lower Upper

146 100

111 46.6 23.1 69.3

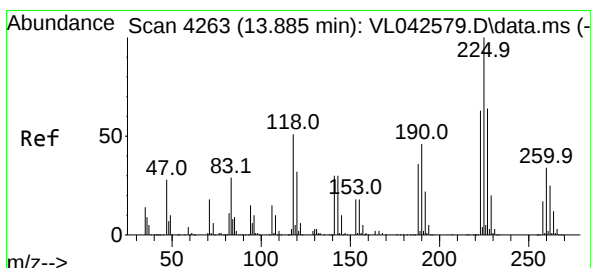
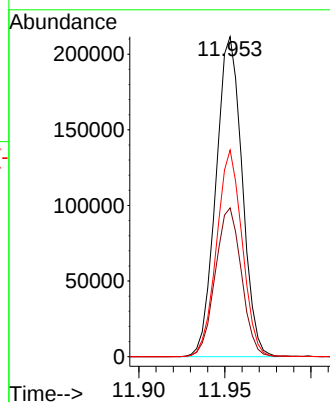
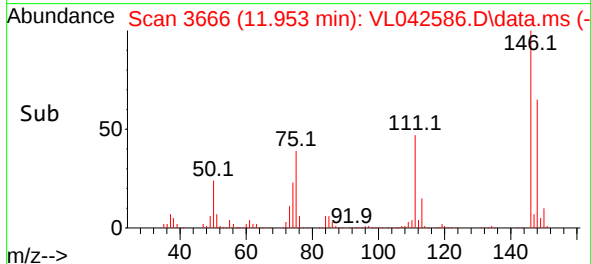
148 63.1 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#78

Hexachloro-1,3-Butadiene

Concen: 7.977 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. -0.000 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

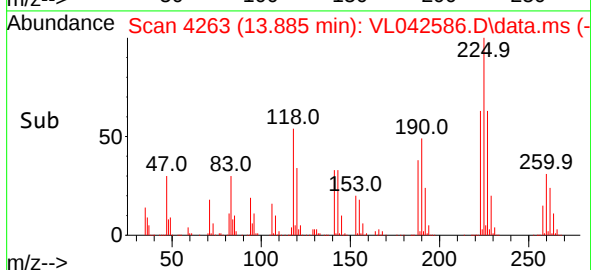
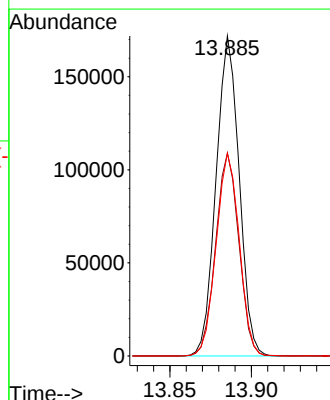
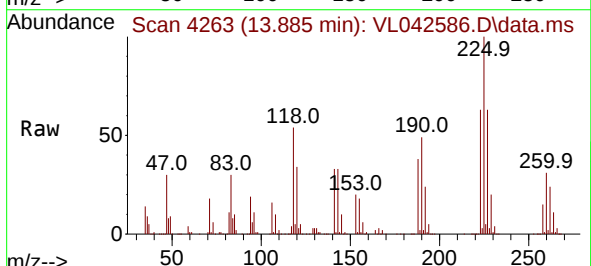
Tgt Ion:225 Resp: 169185

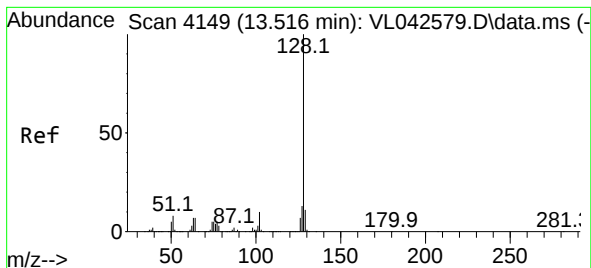
Ion Ratio Lower Upper

225 100

223 63.6 50.2 75.4

227 63.5 51.1 76.7





#79

Naphthalene

Concen: 9.666 ppbv

RT: 13.516 min Scan# 4149

Delta R.T. -0.000 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

ClientSampleId :

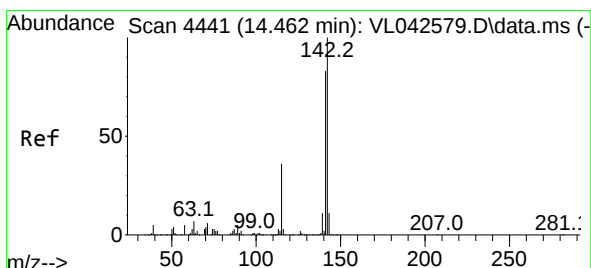
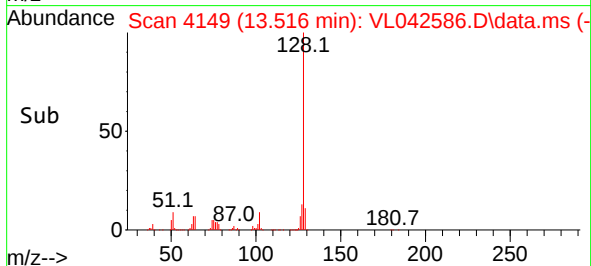
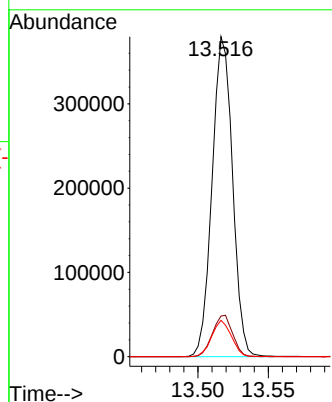
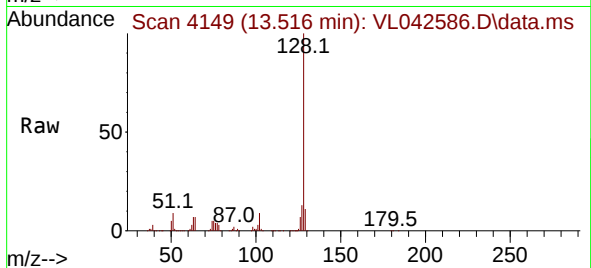
ICVVL052925

Tgt Ion:128	Resp: 383192
Ion Ratio	Lower Upper
128 100	
127 12.7	10.2 15.4
129 11.3	8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#80

Naphthalene,2-methyl-

Concen: 10.853 ppbv

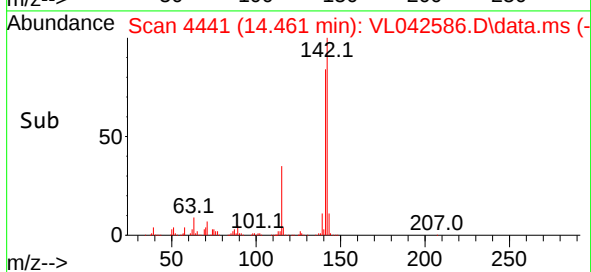
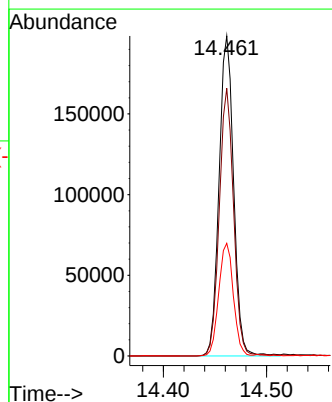
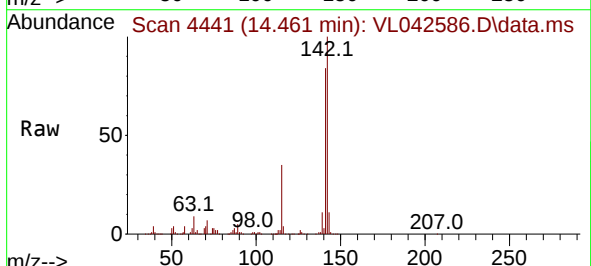
RT: 14.461 min Scan# 4441

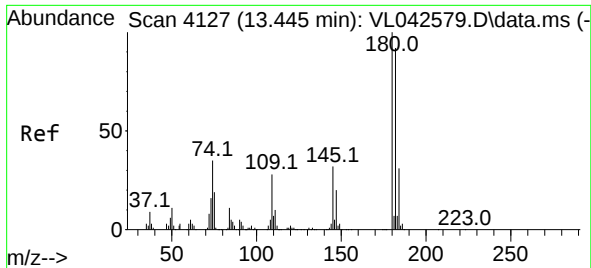
Delta R.T. -0.000 min

Lab File: VL042586.D

Acq: 29 May 2025 14:56

Tgt Ion:142	Resp: 194375
Ion Ratio	Lower Upper
142 100	
141 83.1	66.2 99.4
115 36.0	28.3 42.5





#81

1,2,4-Trichlorobenzene

Concen: 8.978 ppbv

RT: 13.445 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042586.D

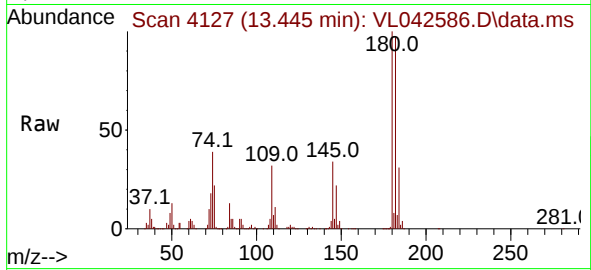
Acq: 29 May 2025 14:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL052925



Tgt Ion:180 Resp: 198690

Ion Ratio Lower Upper

180 100

182 96.1 75.0 112.4

184 30.4 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025

