

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
 Data File : VL042902.D
 Acq On : 08 Sep 2025 13:35
 Operator : SY/MD
 Sample : VL0908ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025

Quant Time: Sep 09 00:55:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

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

QLast Update : Tue Sep 09 00:52:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	139945	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	365857	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	306385	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.367 95 240840 10.481 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.492	85	220085	10.731	ppbv	99
3) Chlorodifluoromethane	1.470	51	263595	11.627	ppbv	98
4) Chloromethane	1.528	50	84783	10.244	ppbv	99
5) Vinyl Chloride	1.577	62	78545	9.636	ppbv	99
6) Bromomethane	1.664	94	31405	9.636	ppbv	96
7) Chloroethane	1.700	64	30810	9.679	ppbv	94
8) Dichlorotetrafluoroethane	1.551	85	175617	10.464	ppbv	96
9) Propene	1.476	41	56496m	5.770	ppbv	
10) Heptane	4.965	43	256593	9.785	ppbv	99
11) Trichlorofluoromethane	1.871	101	206104	10.185	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.133	101	164464	10.197	ppbv	96
13) Ethanol	1.716	45	7225	8.071	ppbv	92
14) Bromoethene	1.777	108	58442	10.009	ppbv	99
15) Acetone	1.829	43	156147	8.435	ppbv	99
16) 1,3-Butadiene	1.606	39	77632	9.250	ppbv	97
17) tert-Butyl alcohol	2.036	59	176056	8.020	ppbv	99
18) 1,1-Dichloroethene	2.026	96	68830	9.707	ppbv	97
19) Isopropyl Alcohol	1.881	45	97198	8.791	ppbv	93
20) Methylene Chloride	2.056	84	62334	8.038	ppbv	93
21) Allyl Chloride	2.091	41	125191	9.573	ppbv	94
22) trans-1,2-Dichloroethene	2.334	96	82077	10.005	ppbv	98
23) Vinyl Acetate	2.454	43	270676	10.634	ppbv #	99
24) 1,1-Dichloroethane	2.402	63	164910	10.066	ppbv	99
25) Ethyl Acetate	2.826	43	458640	10.237	ppbv	99
26) Hexane	2.816	57	207705	10.043	ppbv	95
27) Carbon Disulfide	2.143	76	206751	10.273	ppbv	98
28) Methyl tert-Butyl Ether	2.431	73	95768	9.082	ppbv	93
29) Chloroform	2.839	83	311859	10.562	ppbv	97
30) Cyclohexane	3.845	84	169353	9.340	ppbv	96
31) cis-1,2-Dichloroethene	2.713	61	202349	9.796	ppbv	97
32) 1,1,1-Trichloroethane	3.357	97	293618	9.409	ppbv	96
34) 2-Butanone	2.551	43	298071	12.066	ppbv	98
35) Carbon Tetrachloride	3.748	117	297085	11.779	ppbv	98
36) Benzene	3.645	78	407263	11.625	ppbv	99
37) 1,2-Dichloroethane	3.208	62	232809	12.720	ppbv	99
38) Trichloroethene	4.532	130	166529	10.408	ppbv	96
39) 1,2-Dichloropropane	4.302	63	153042	11.961	ppbv	96
40) 1,4-Dioxane	4.567	88	61682	10.138	ppbv #	88
41) Tetrahydrofuran	3.046	42	164268	11.927	ppbv	97
42) Bromodichloromethane	4.473	83	336858	12.351	ppbv	98
43) Methyl Methacrylate	4.862	69	158457	10.979	ppbv	98
44) 2,2,4-Trimethylpentane	4.625	57	701486	11.797	ppbv	98
45) t-1,3-Dichloropropene	6.399	75	169435	10.403	ppbv	97

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Quant Time: Sep 09 00:55:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

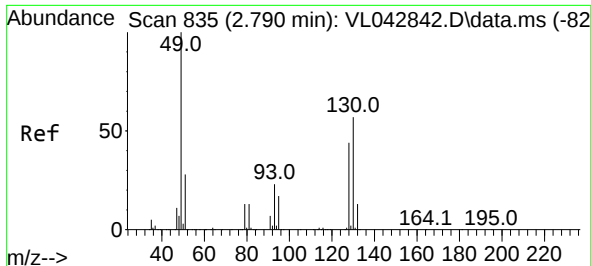
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue Sep 09 00:52:26 2025

Response via : Initial Calibration

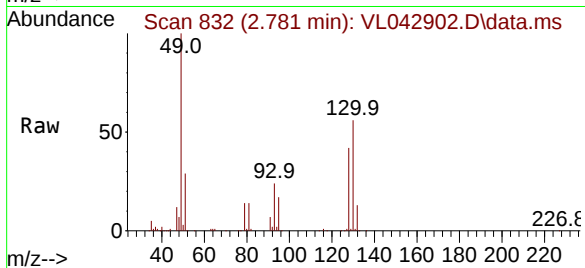
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.583	75	223871	11.031	ppbv	96
47) 1,1,2-Trichloroethane	6.564	97	156460	11.541	ppbv	95
48) Dibromochloromethane	7.373	129	256923	11.712	ppbv	99
49) Bromoform	9.474	173	203018	11.222	ppbv	99
50) 4-Methyl-2-Pentanone	5.732	43	390291	11.688	ppbv	97
51) 2-Hexanone	7.422	43	311589	11.858	ppbv #	95
52) Tetrachloroethene	8.212	164	122229	9.644	ppbv	93
53) Toluene	6.920	91	447844	10.752	ppbv	99
54) 1,2-Dibromoethane	7.639	107	223417	11.277	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.917	131	190922	12.050	ppbv	98
57) Chlorobenzene	8.911	112	345342	11.855	ppbv	99
58) Ethyl Benzene	9.344	91	618650	11.442	ppbv	99
59) m/p-Xylene	9.542	91	1015739m	23.968	ppbv	
60) o-Xylene	9.956	91	504922	11.844	ppbv	99
61) Styrene	9.862	104	212594	10.644	ppbv	100
62) Isopropylbenzene	10.532	105	717761	11.521	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.953	83	295111	12.588	ppbv	99
64) n-propylbenzene	10.982	120	186258	11.717	ppbv	94
65) tert-Butylbenzene	11.523	119	633844	11.541	ppbv	97
66) Benzyl Chloride	11.607	91	55458	7.954	ppbv	99
67) sec-Butylbenzene	11.759	105	904977	11.739	ppbv	99
69) p-Isopropyltoluene	11.918	119	743217	11.229	ppbv	98
70) n-Butylbenzene	12.274	91	793205	12.084	ppbv	97
71) 2-Chlorotoluene	10.892	91	551398	11.398	ppbv	97
72) 4-Ethyltoluene	11.118	105	613510	11.871	ppbv	99
73) 1,3,5-Trimethylbenzene	11.196	105	505222	11.496	ppbv	100
74) 1,2,4-Trimethylbenzene	11.529	105	562868	11.668	ppbv	99
75) 1,3-Dichlorobenzene	11.600	146	322979	11.778	ppbv	99
76) 1,4-Dichlorobenzene	11.665	146	320689	11.563	ppbv	99
77) 1,2-Dichlorobenzene	11.940	146	309433	11.524	ppbv	100
78) Hexachloro-1,3-Butadiene	13.876	225	187990	8.542	ppbv	97
79) Naphthalene	13.507	128	477313	10.914	ppbv	99
80) Naphthalene,2-methyl-	14.449	142	142381	8.713	ppbv	97
81) 1,2,4-Trichlorobenzene	13.432	180	228630	10.401	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

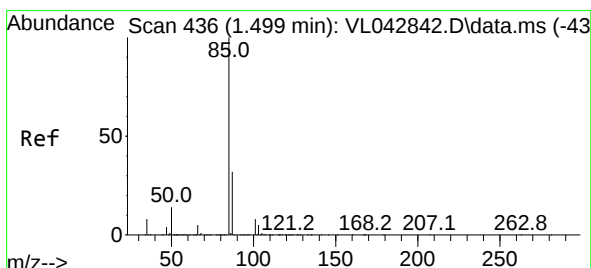
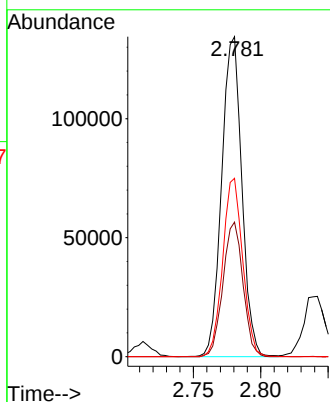
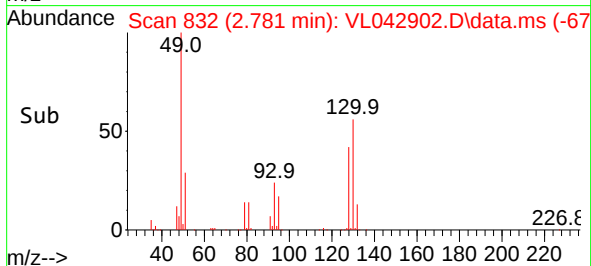
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01



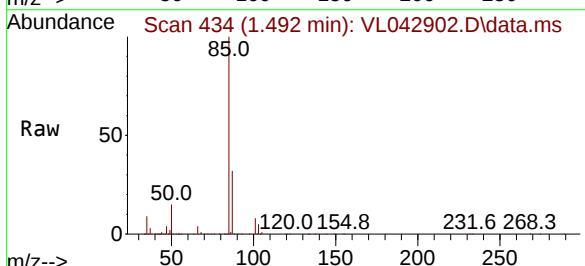
Tgt Ion: 49 Resp: 13994
Ion Ratio Lower Upper
49 100
128 41.6 23.7 71.1
130 55.2 30.6 91.6

Manual Integrations
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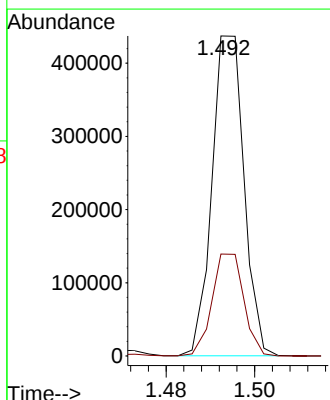
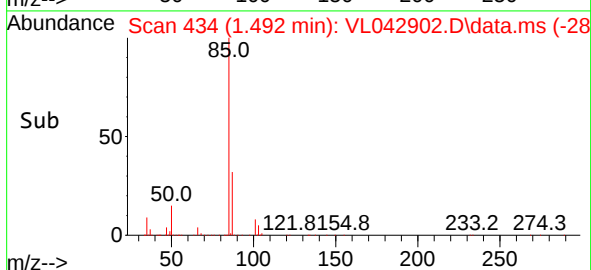
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025

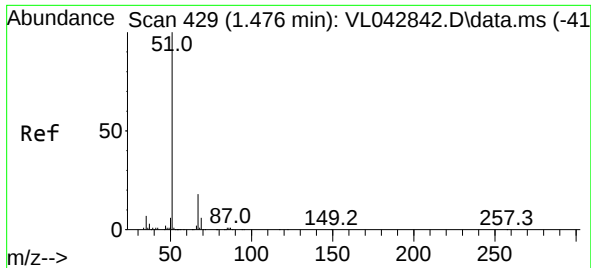


#2
Dichlorodifluoromethane
Concen: 10.731 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35



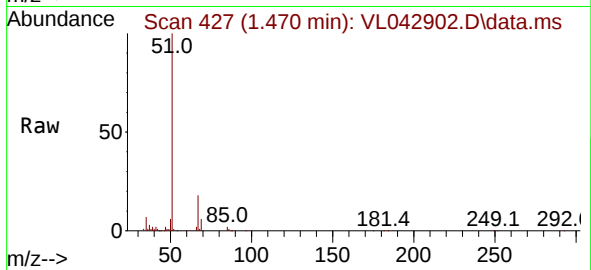
Tgt Ion: 85 Resp: 220085
Ion Ratio Lower Upper
85 100
87 31.9 25.3 37.9





#3
Chlorodifluoromethane
Concen: 11.627 ppbv
RT: 1.470 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

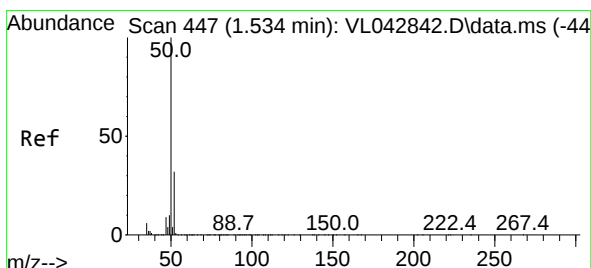
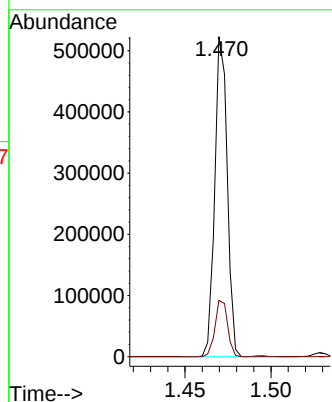
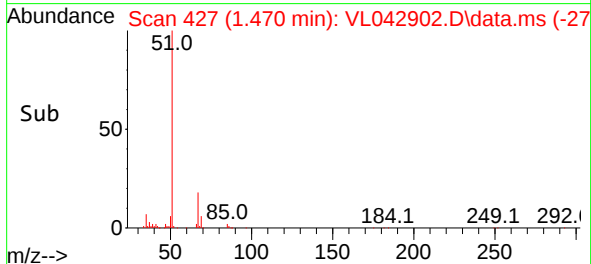
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01



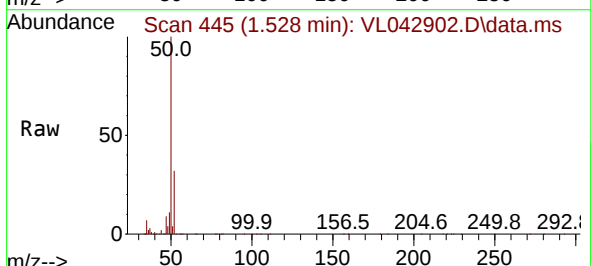
Tgt Ion: 51 Resp: 26359
Ion Ratio Lower Upper
51 100
67 17.8 14.9 22.3

Manual Integrations
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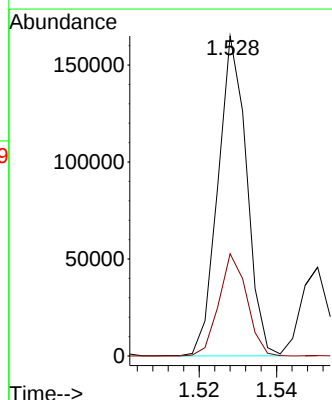
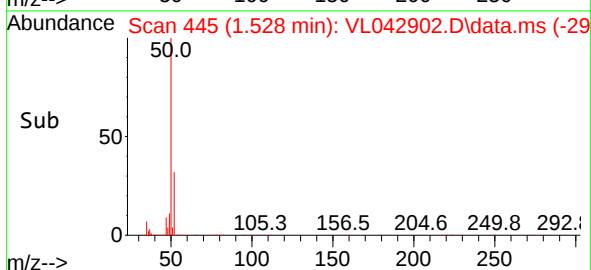
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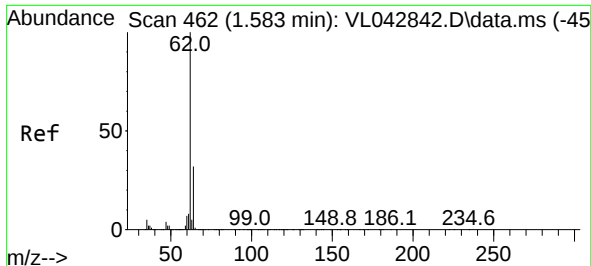


#4
Chloromethane
Concen: 10.244 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35



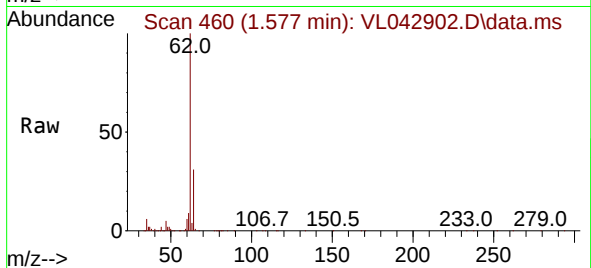
Tgt Ion: 50 Resp: 84783
Ion Ratio Lower Upper
50 100
52 32.0 25.9 38.9





#5
 Vinyl Chloride
 Concen: 9.636 ppbv
 RT: 1.577 min Scan# 460
 Delta R.T. -0.000 min
 Lab File: VL042902.D
 Acq: 08 Sep 2025 13:35

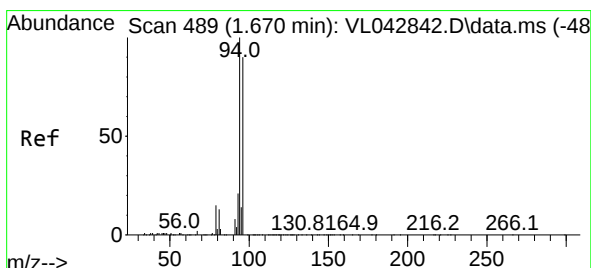
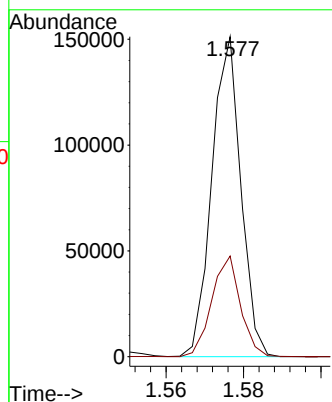
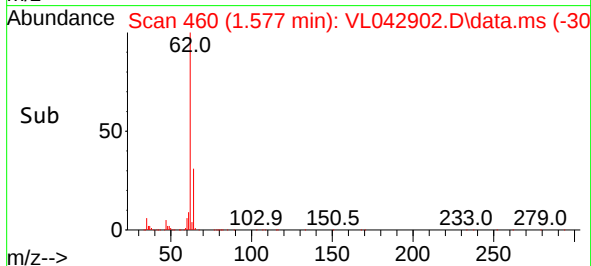
Instrument :
 MSVOA_L
 ClientSampleId :
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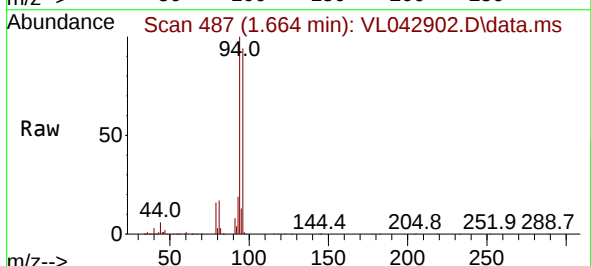
Tgt Ion: 62 Resp: 78549
 Ion Ratio Lower Upper
 62 100
 64 31.5 25.4 38.2

Manual Integrations
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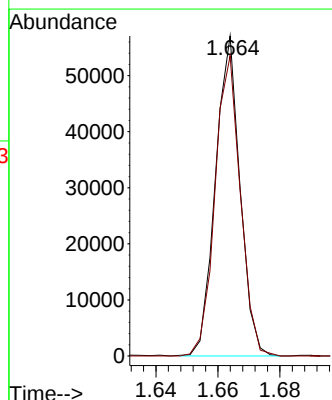
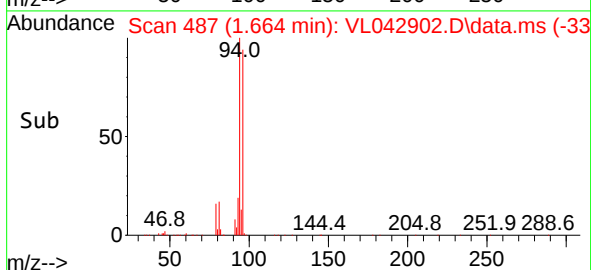
Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025

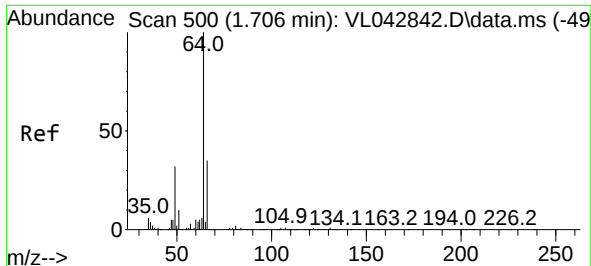


#6
 Bromomethane
 Concen: 9.636 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.000 min
 Lab File: VL042902.D
 Acq: 08 Sep 2025 13:35



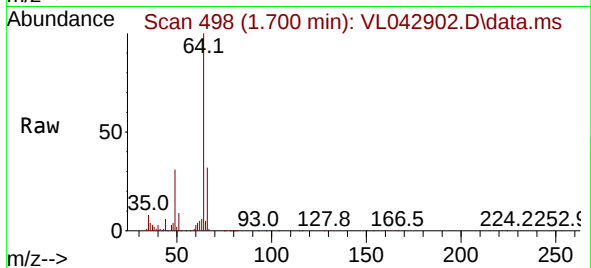
Tgt Ion: 94 Resp: 31405
 Ion Ratio Lower Upper
 94 100
 96 93.8 72.1 108.1





#7
Chloroethane
Concen: 9.679 ppbv
RT: 1.700 min Scan# 498
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

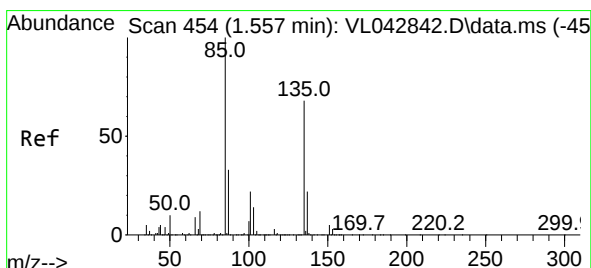
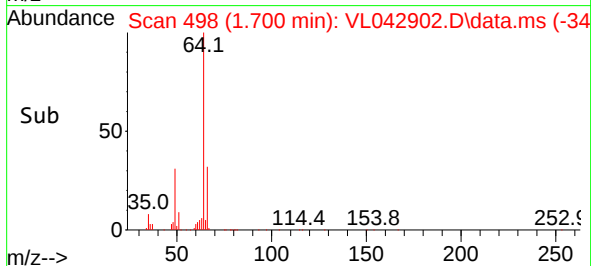
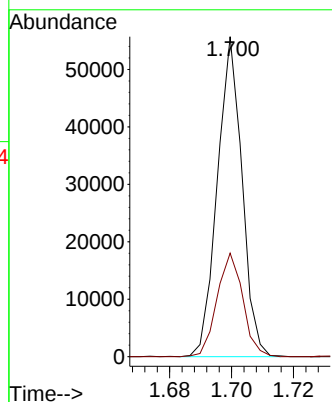
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01



Tgt Ion: 64 Resp: 30810
Ion Ratio Lower Upper
64 100
66 32.3 28.6 42.8

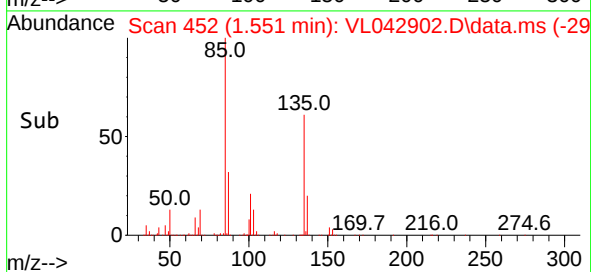
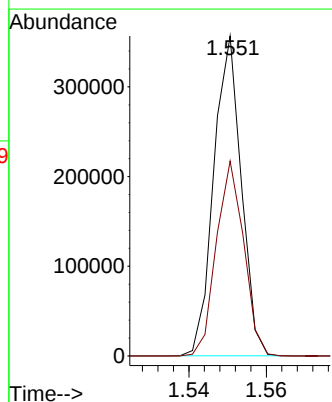
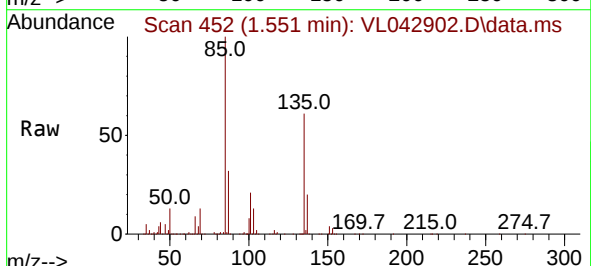
Manual Integrations
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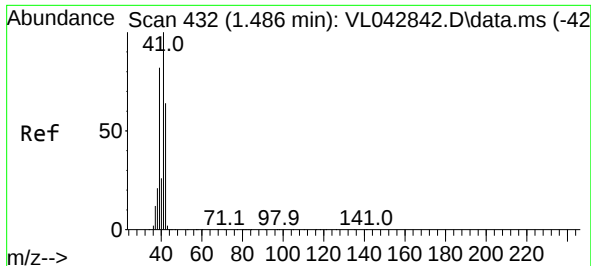
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#8
Dichlorotetrafluoroethane
Concen: 10.464 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

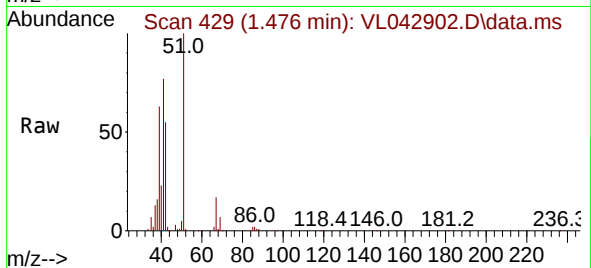
Tgt Ion: 85 Resp: 175617
Ion Ratio Lower Upper
85 100
135 60.9 51.2 76.8





#9
 Propene
 Concen: 5.770 ppbv m
 RT: 1.476 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042902.D
 Acq: 08 Sep 2025 13:35

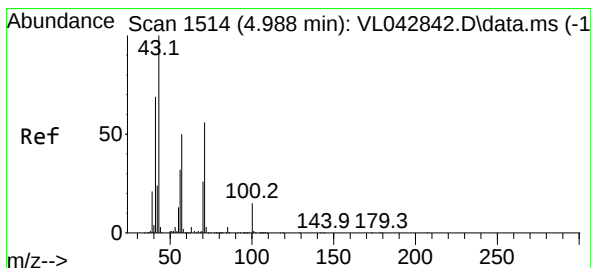
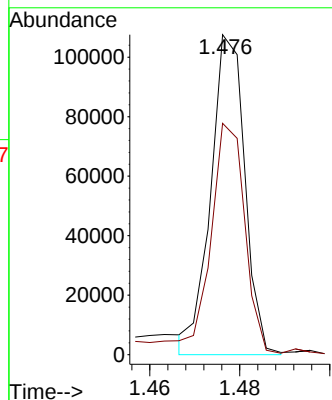
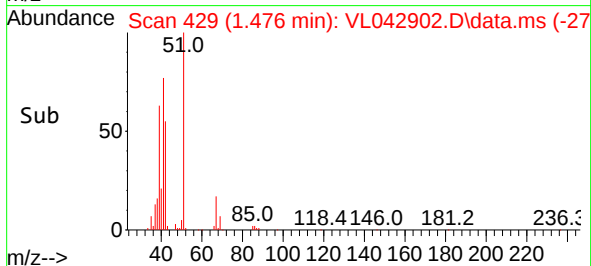
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01



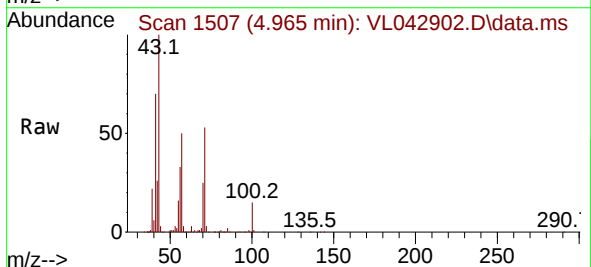
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 Ion Ratio Lower Upper
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 42 10.7 53.0 79.4

Manual Integrations
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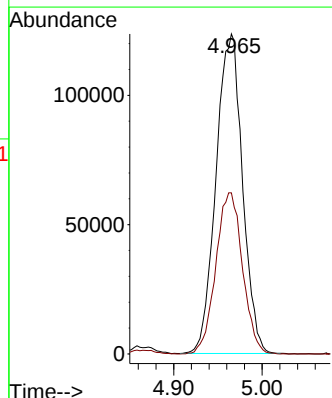
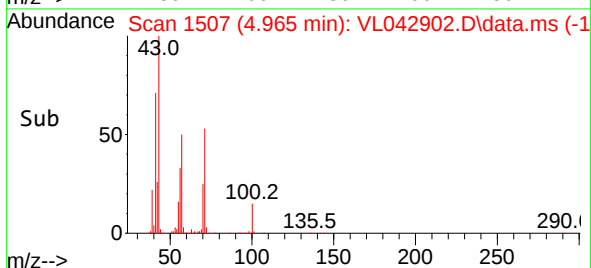
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 Supervised By :Mahesh Dadoda 09/11/2025

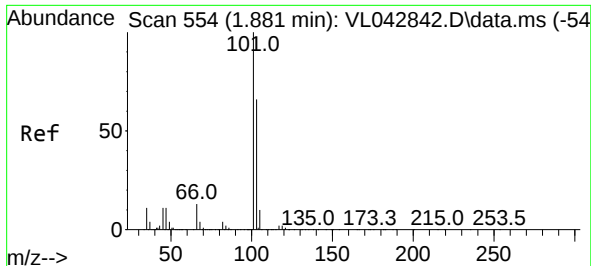


#10
 Heptane
 Concen: 9.785 ppbv
 RT: 4.965 min Scan# 1507
 Delta R.T. 0.006 min
 Lab File: VL042902.D
 Acq: 08 Sep 2025 13:35



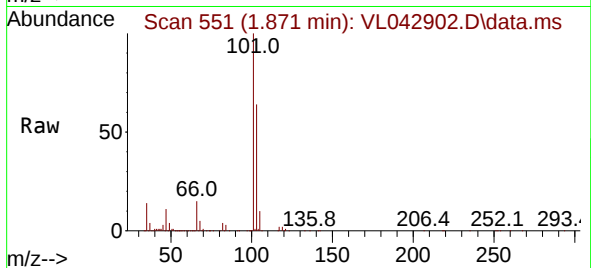
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 Ion Ratio Lower Upper
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 57 50.9 41.4 62.0





#11
 Trichlorofluoromethane
 Concen: 10.185 ppbv
 RT: 1.871 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042902.D
 Acq: 08 Sep 2025 13:35

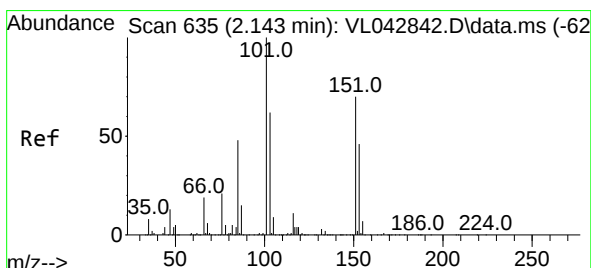
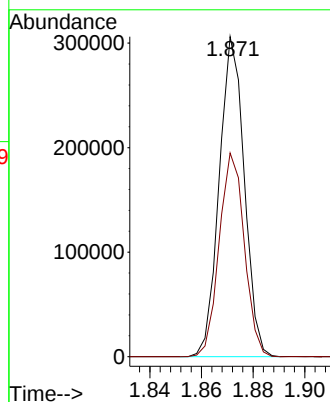
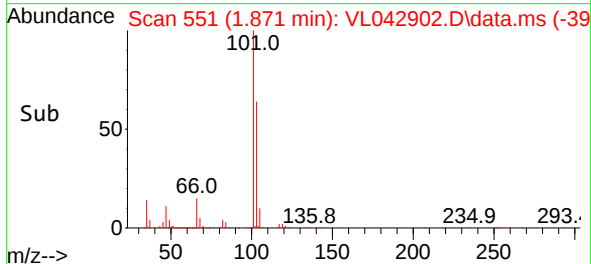
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01



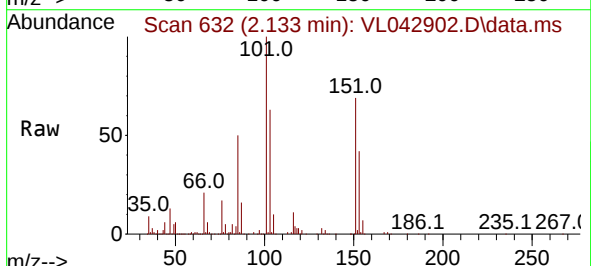
Tgt Ion:101 Resp: 206104
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.5 78.7

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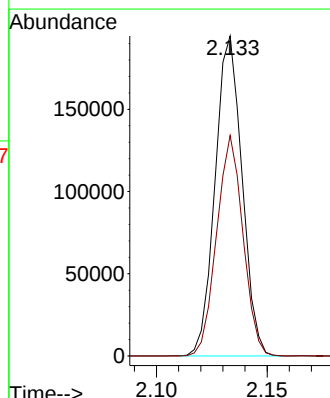
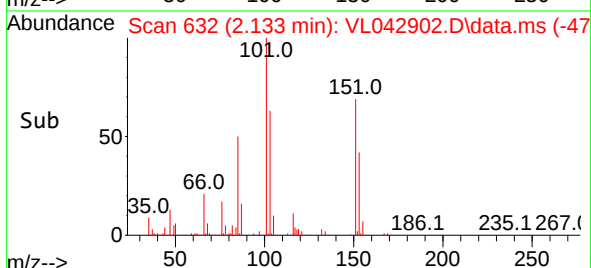
Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025

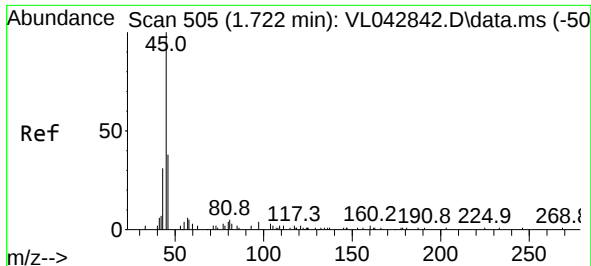


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.197 ppbv
 RT: 2.133 min Scan# 632
 Delta R.T. -0.000 min
 Lab File: VL042902.D
 Acq: 08 Sep 2025 13:35



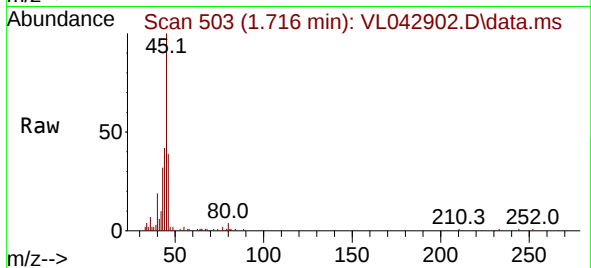
Tgt Ion:101 Resp: 164464
 Ion Ratio Lower Upper
 101 100
 151 67.4 56.4 84.6





#13
Ethanol
Concen: 8.071 ppbv
RT: 1.716 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

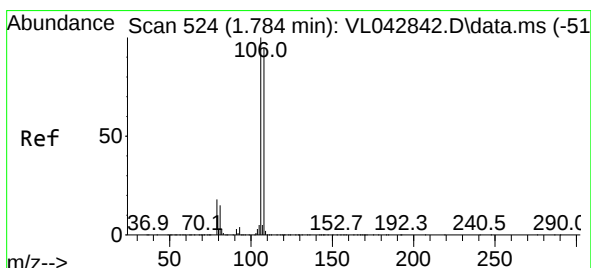
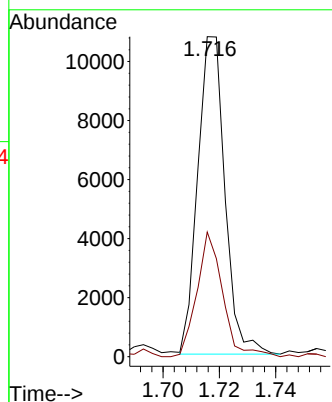
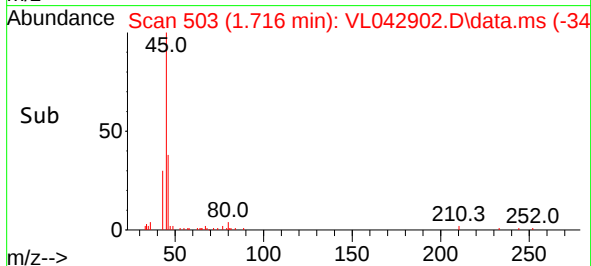
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01



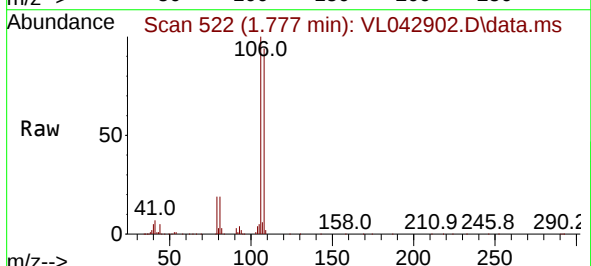
Tgt Ion: 45 Resp: 7225
Ion Ratio Lower Upper
45 100
46 38.4 17.5 69.9

Manual Integrations
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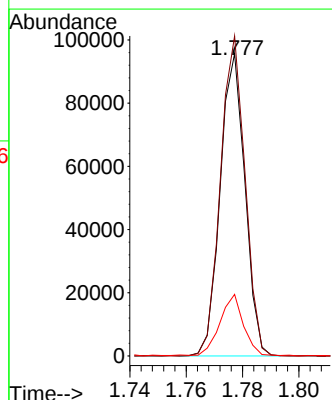
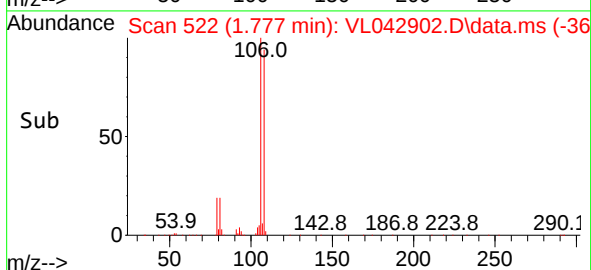
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025

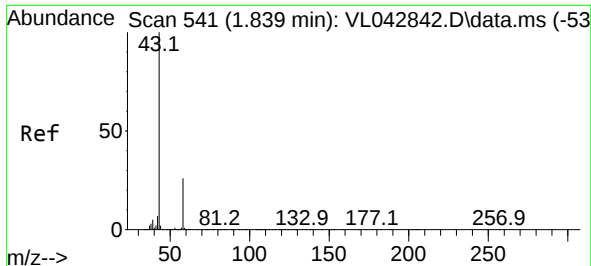


#14
Bromoethene
Concen: 10.009 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35



Tgt Ion:108 Resp: 58442
Ion Ratio Lower Upper
108 100
106 104.8 85.1 127.7
79 20.1 16.3 24.5





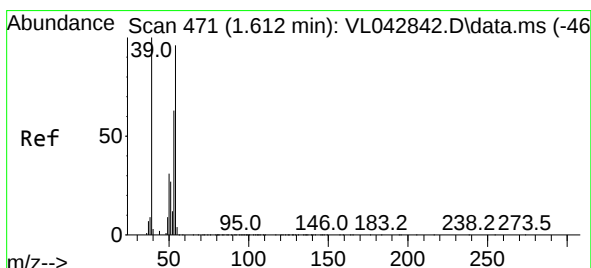
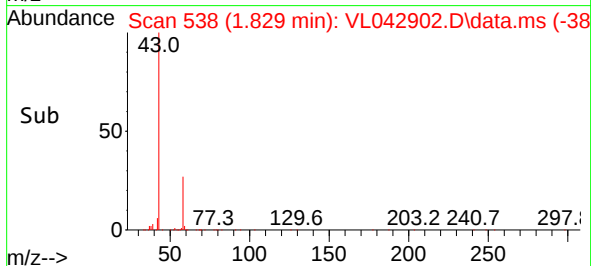
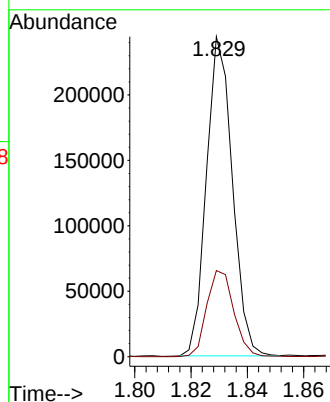
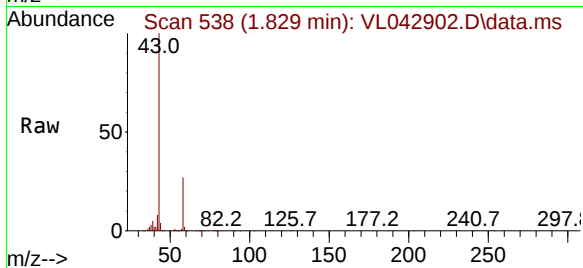
#15
Acetone
Concen: 8.435 ppbv
RT: 1.829 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion: 43 Resp: 15614
Ion Ratio Lower Upper
43 100
58 28.3 22.4 33.6

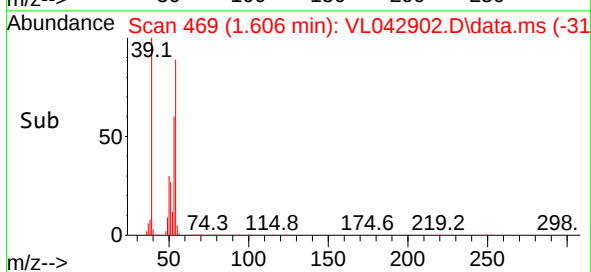
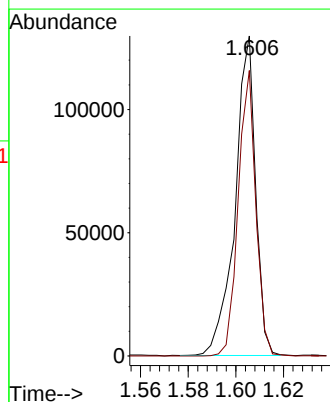
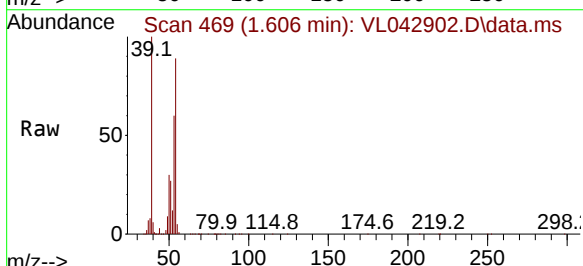
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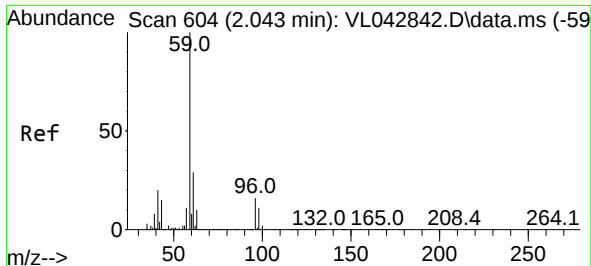
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#16
1,3-Butadiene
Concen: 9.250 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.003 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Tgt Ion: 39 Resp: 77632
Ion Ratio Lower Upper
39 100
54 76.8 63.6 95.4





#17

tert-Butyl alcohol

Concen: 8.020 ppbv

RT: 2.036 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tgt Ion: 59 Resp: 176050

Ion Ratio Lower Upper

59 100

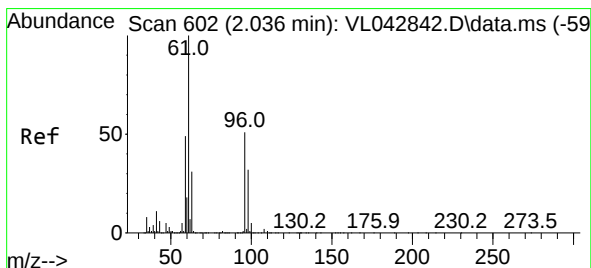
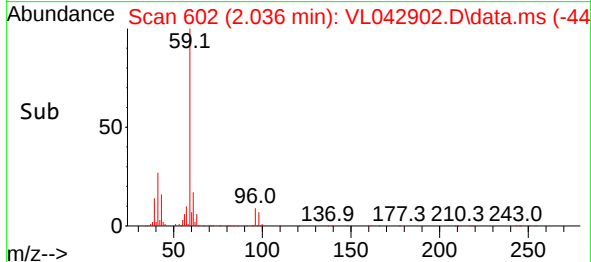
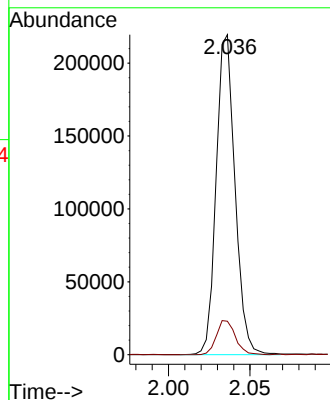
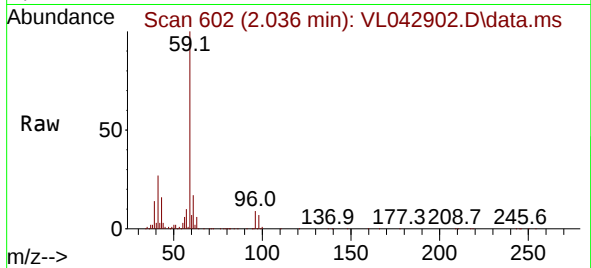
57 10.9 9.0 13.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/09/2025

Supervised By :Mahesh Dadoda 09/11/2025



#18

1,1-Dichloroethene

Concen: 9.707 ppbv

RT: 2.026 min Scan# 599

Delta R.T. -0.000 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

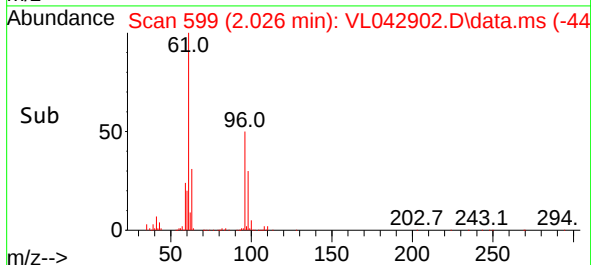
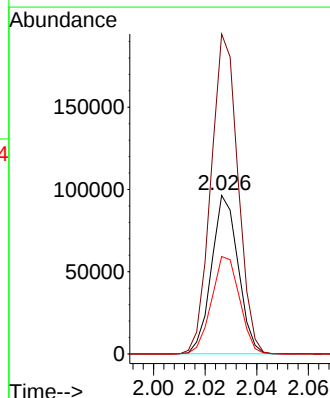
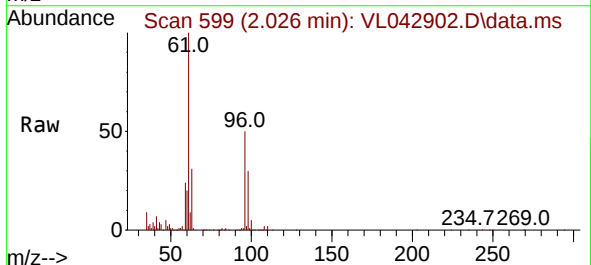
Tgt Ion: 96 Resp: 68830

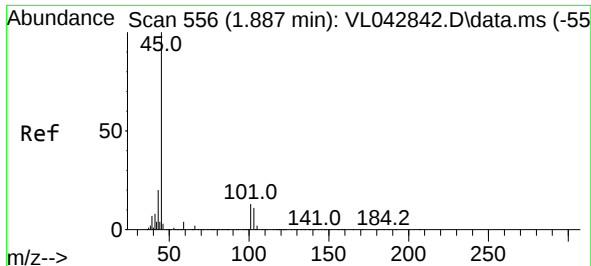
Ion Ratio Lower Upper

96 100

61 201.9 158.2 237.4

98 61.5 50.6 76.0





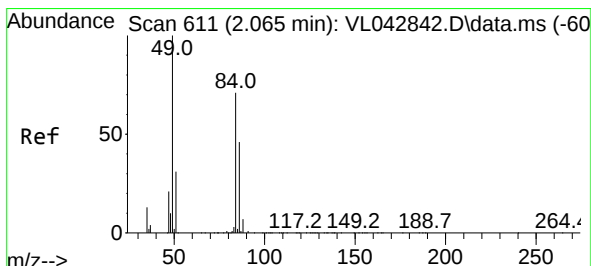
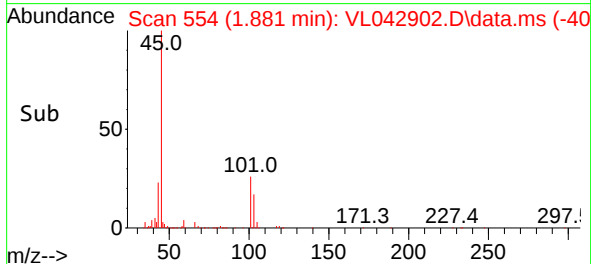
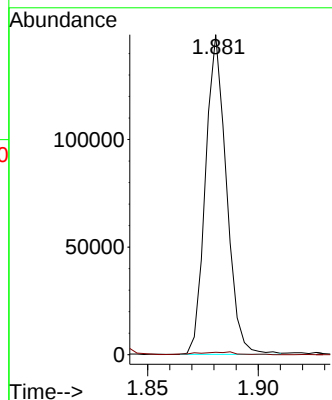
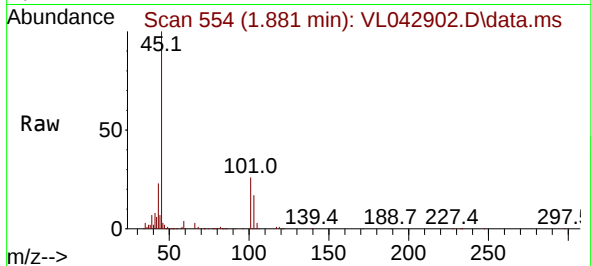
#19
Isopropyl Alcohol
Concen: 8.791 ppbv
RT: 1.881 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion: 45 Resp: 97198
Ion Ratio Lower Upper
45 100
58 45.5 32.7 49.1

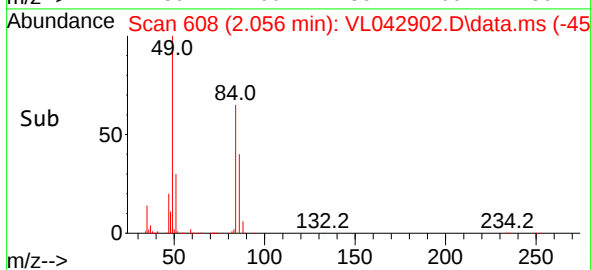
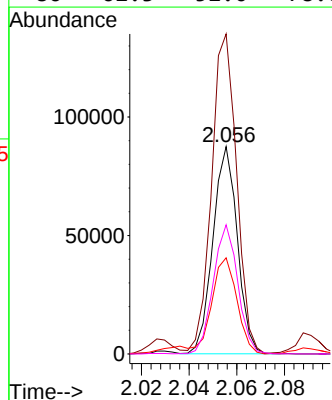
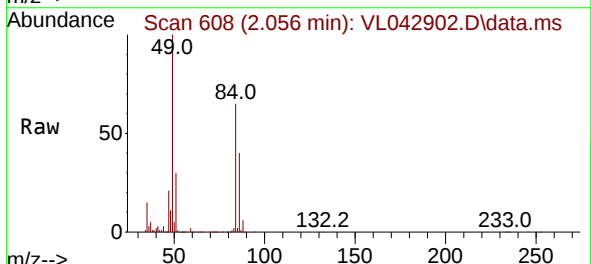
Manual Integrations
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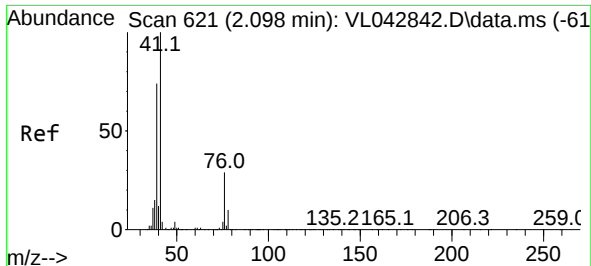
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#20
Methylene Chloride
Concen: 8.038 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Tgt Ion: 84 Resp: 62334
Ion Ratio Lower Upper
84 100
49 153.6 112.3 168.5
51 46.1 36.0 54.0
86 62.3 52.0 78.0





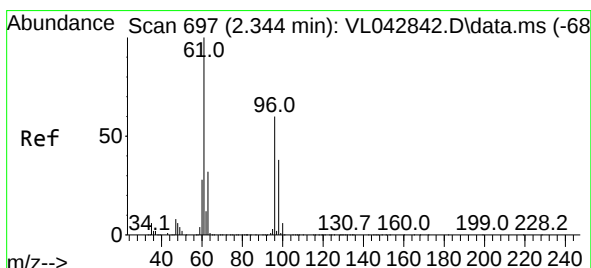
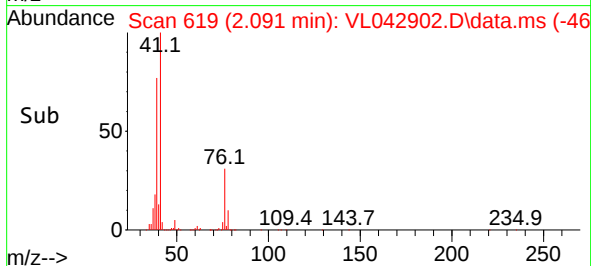
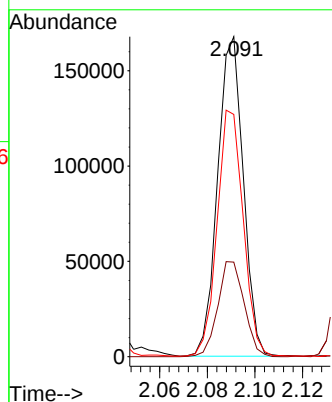
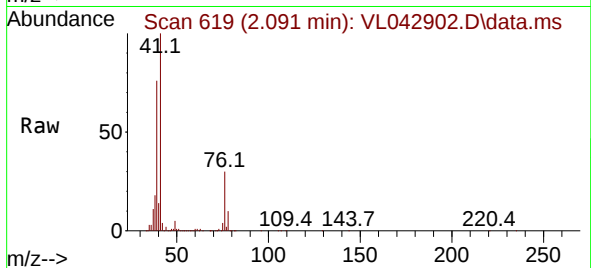
#21
 Allyl Chloride
 Concen: 9.573 ppbv
 RT: 2.091 min Scan# 619
 Delta R.T. 0.003 min
 Lab File: VL042902.D
 Acq: 08 Sep 2025 13:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01

Tgt Ion: 41 Resp: 12519
 Ion Ratio Lower Upper
 41 100
 76 30.6 23.9 35.9
 39 78.4 57.8 86.6

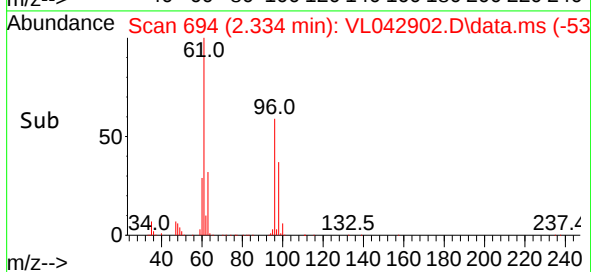
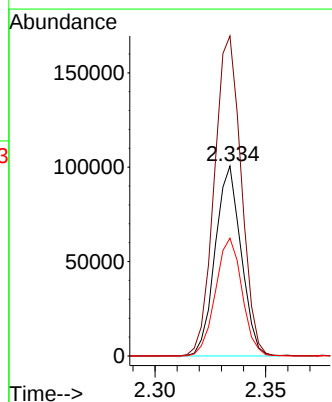
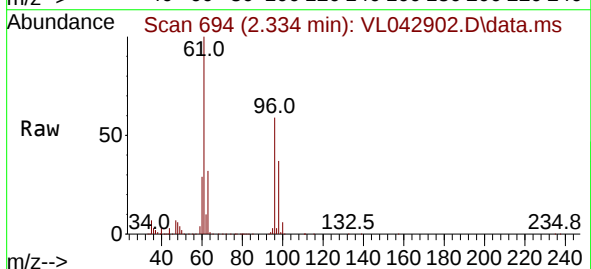
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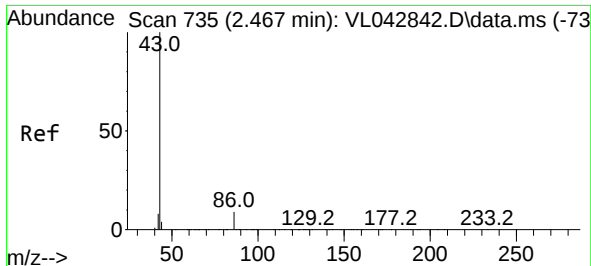
Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025



#22
 trans-1,2-Dichloroethene
 Concen: 10.005 ppbv
 RT: 2.334 min Scan# 694
 Delta R.T. 0.003 min
 Lab File: VL042902.D
 Acq: 08 Sep 2025 13:35

Tgt Ion: 96 Resp: 82077
 Ion Ratio Lower Upper
 96 100
 61 168.5 132.6 199.0
 98 62.0 50.0 75.0





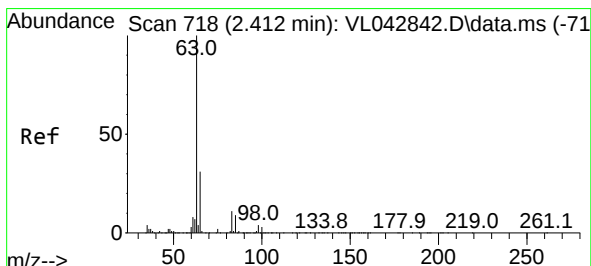
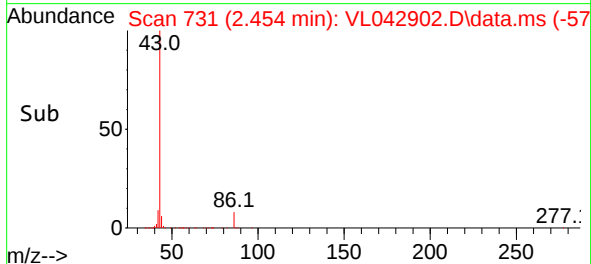
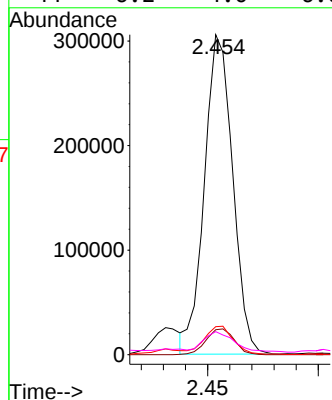
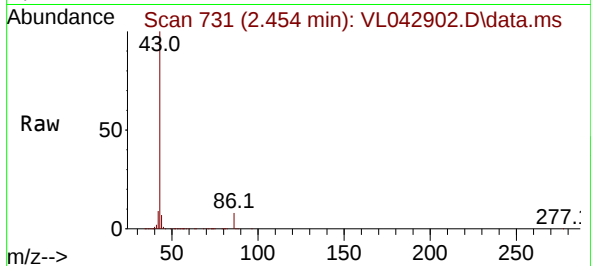
#23
 Vinyl Acetate
 Concen: 10.634 ppbv
 RT: 2.454 min Scan# 715
 Delta R.T. -0.000 min
 Lab File: VL042902.D
 Acq: 08 Sep 2025 13:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01

Tgt Ion: 43 Resp: 270670
 Ion Ratio Lower Upper
 43 100
 86 7.8 6.6 9.8
 42 8.6 7.0 10.6
 44 6.2 4.0 6.0#

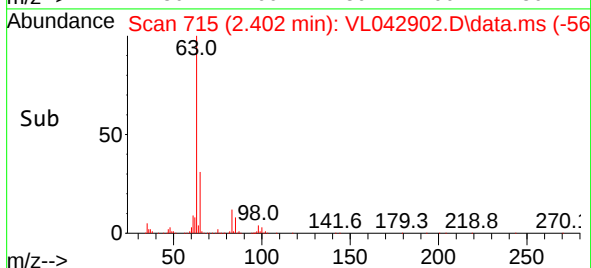
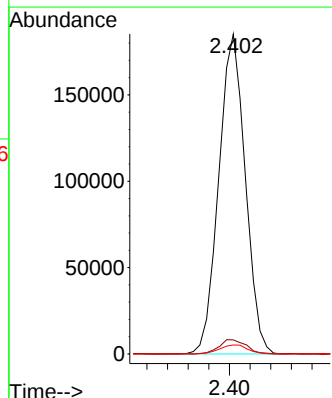
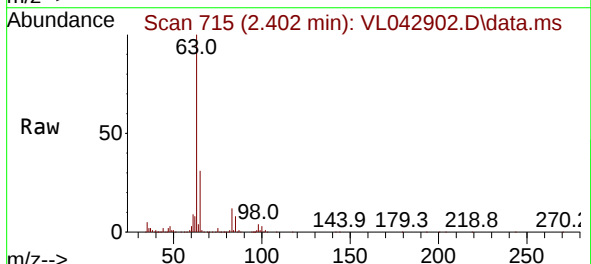
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025



#24
 1,1-Dichloroethane
 Concen: 10.066 ppbv
 RT: 2.402 min Scan# 715
 Delta R.T. -0.000 min
 Lab File: VL042902.D
 Acq: 08 Sep 2025 13:35

Tgt Ion: 63 Resp: 164910
 Ion Ratio Lower Upper
 63 100
 98 4.4 2.1 6.5
 100 2.8 1.7 5.1





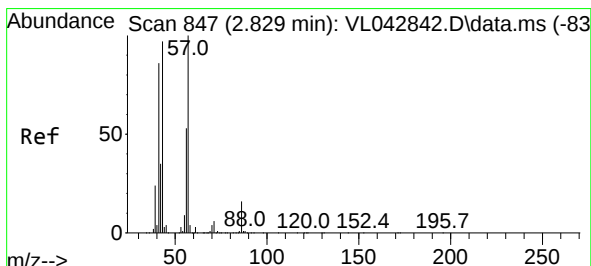
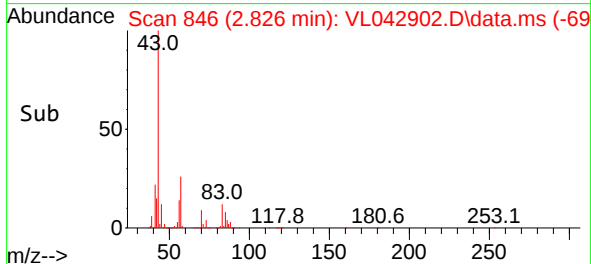
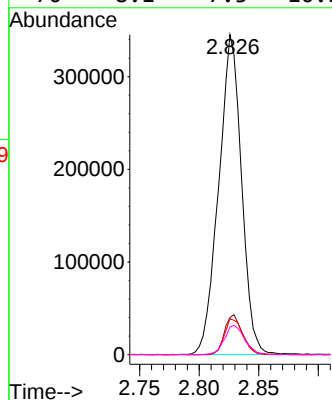
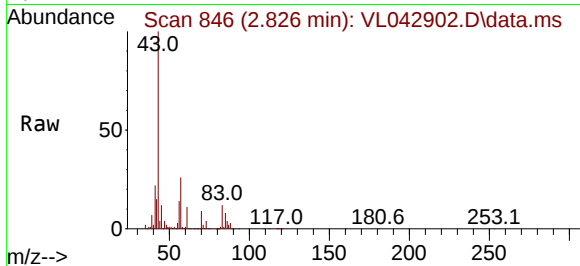
#25
Ethyl Acetate
Concen: 10.237 ppbv
RT: 2.826 min Scan# 843
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion: 43 Resp: 458640
Ion Ratio Lower Upper
43 100
45 10.0 8.1 12.1
61 9.2 7.4 11.2
70 8.1 7.3 10.9

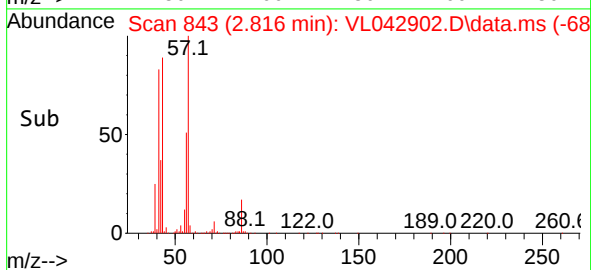
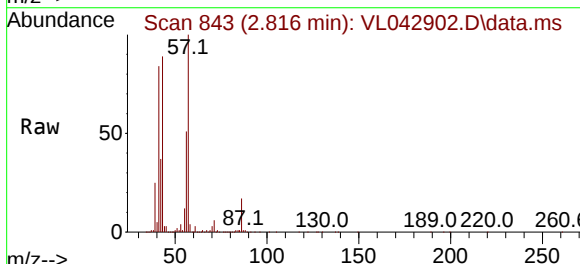
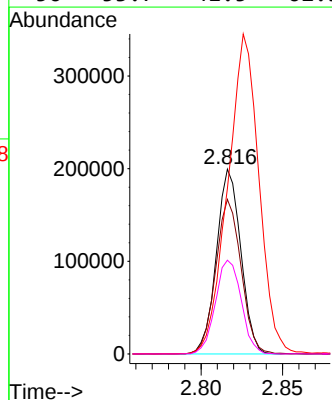
Manual Integrations
APPROVED

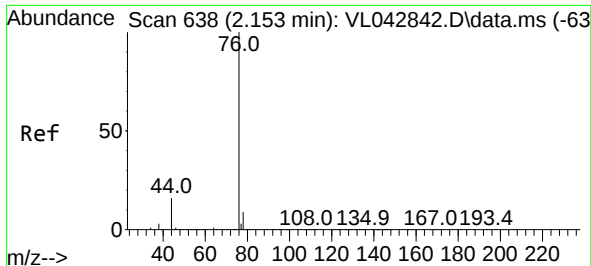
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#26
Hexane
Concen: 10.043 ppbv
RT: 2.816 min Scan# 843
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

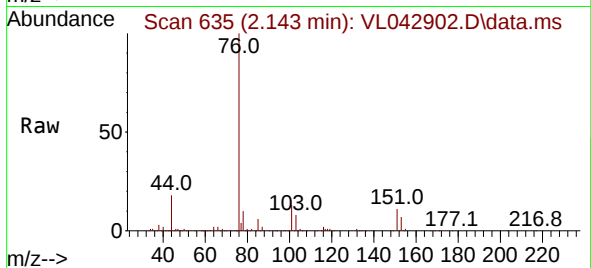
Tgt Ion: 57 Resp: 207705
Ion Ratio Lower Upper
57 100
41 87.5 68.6 103.0
43 221.9 168.5 252.7
56 53.7 41.5 62.3





#27
Carbon Disulfide
Concen: 10.273 ppbv
RT: 2.143 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

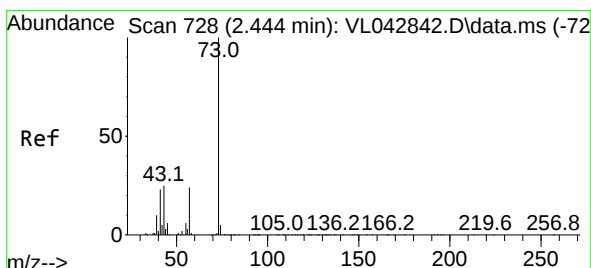
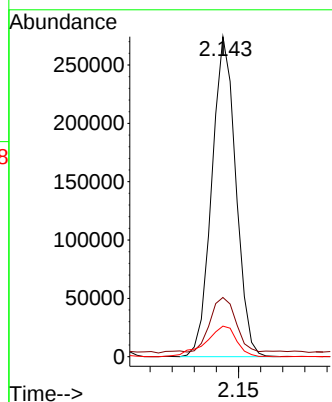
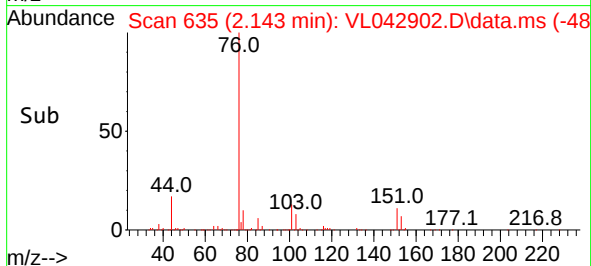
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01



Tgt Ion: 76 Resp: 20675
Ion Ratio Lower Upper
76 100
44 20.9 15.9 23.9
78 12.3 9.5 14.3

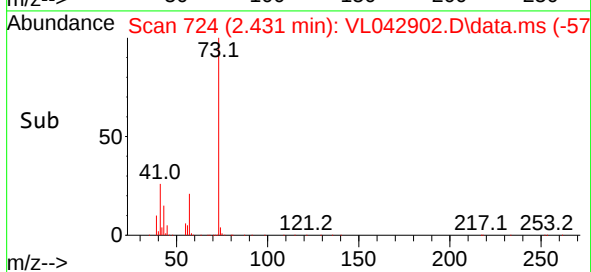
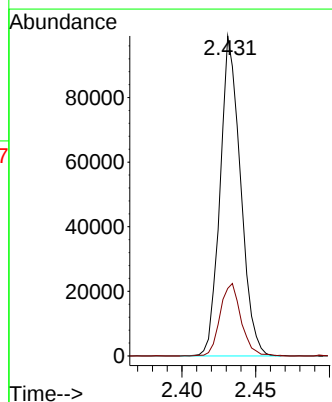
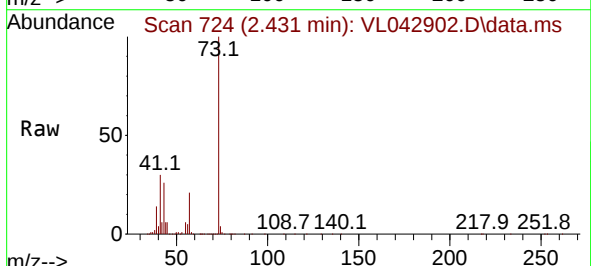
Manual Integrations
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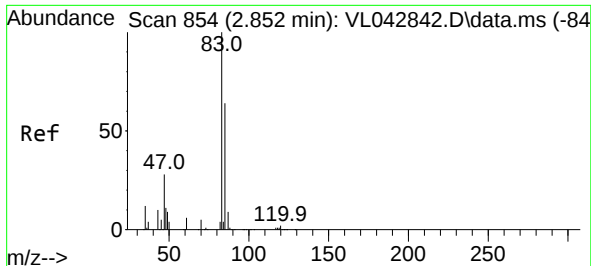
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#28
Methyl tert-Butyl Ether
Concen: 9.082 ppbv
RT: 2.431 min Scan# 724
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Tgt Ion: 73 Resp: 95768
Ion Ratio Lower Upper
73 100
57 23.2 21.6 32.4





#29

Chloroform

Concen: 10.562 ppbv

RT: 2.839 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tgt Ion: 83 Resp: 31185

Ion Ratio Lower Upper

83 100

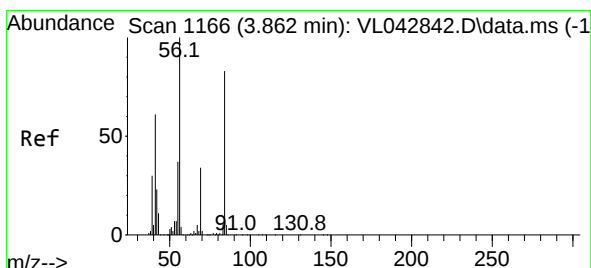
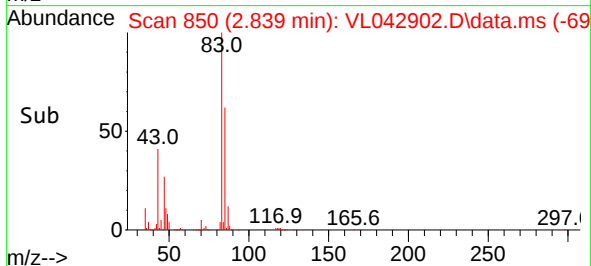
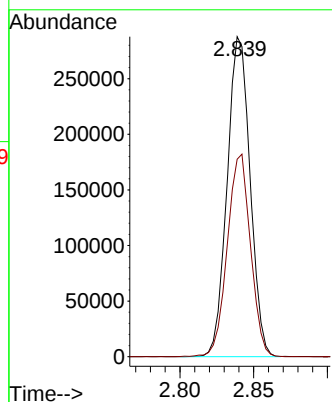
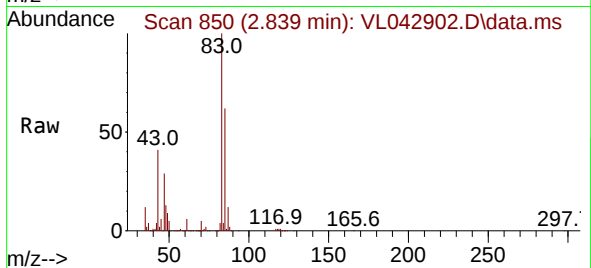
85 61.7 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025

Supervised By :Mahesh Dadoda 09/11/2025



#30

Cyclohexane

Concen: 9.340 ppbv

RT: 3.845 min Scan# 1161

Delta R.T. 0.003 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

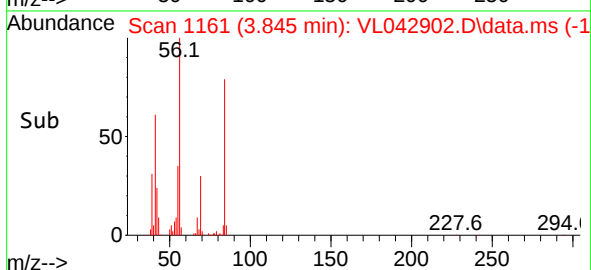
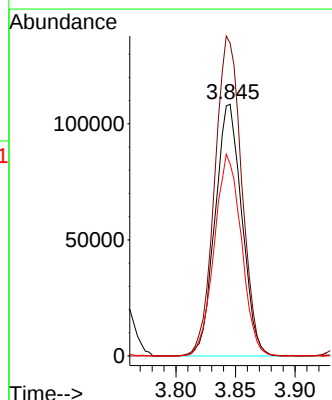
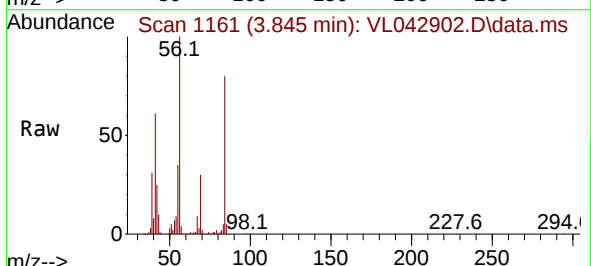
Tgt Ion: 84 Resp: 169353

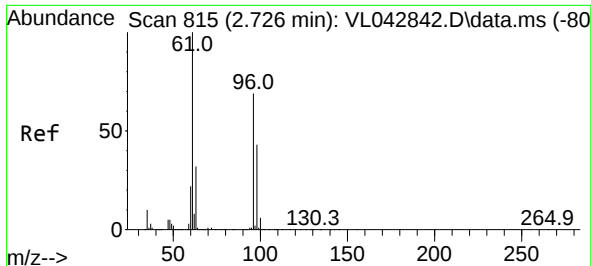
Ion Ratio Lower Upper

84 100

56 127.6 98.8 148.2

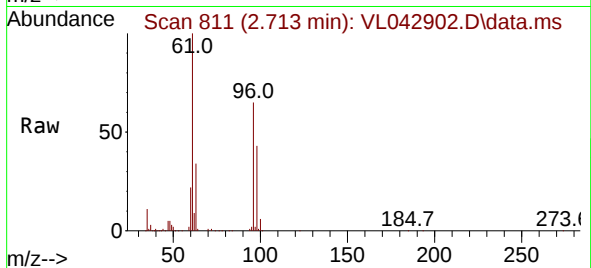
41 81.1 61.3 91.9





#31
 cis-1,2-Dichloroethene
 Concen: 9.796 ppbv
 RT: 2.713 min Scan# 815
 Delta R.T. -0.000 min
 Lab File: VL042902.D
 Acq: 08 Sep 2025 13:35

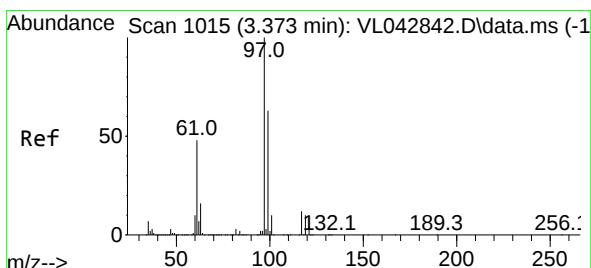
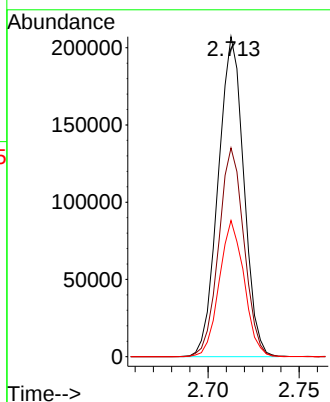
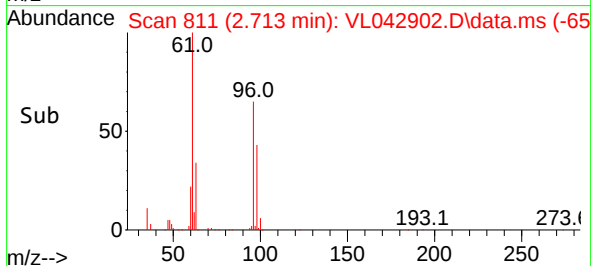
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01



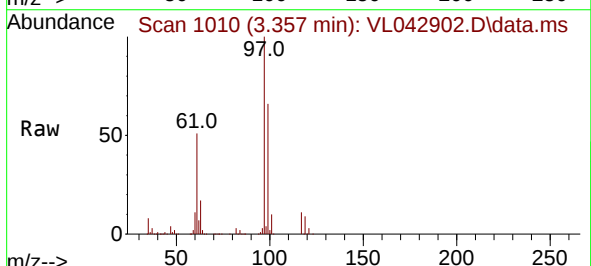
Tgt Ion: 61 Resp: 202349
 Ion Ratio Lower Upper
 61 100
 96 65.2 55.0 82.6
 98 42.5 34.3 51.5

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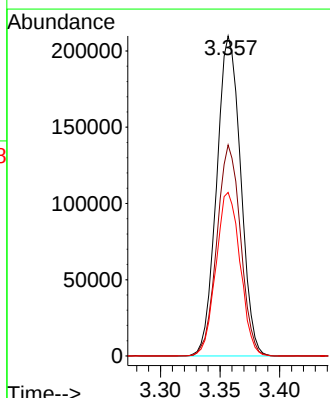
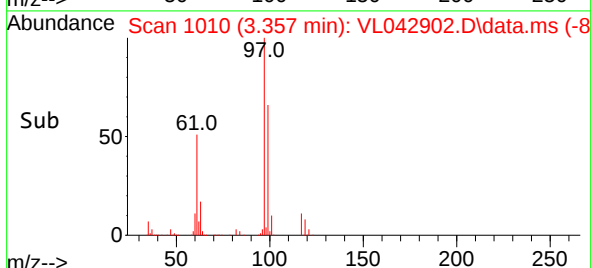
Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025

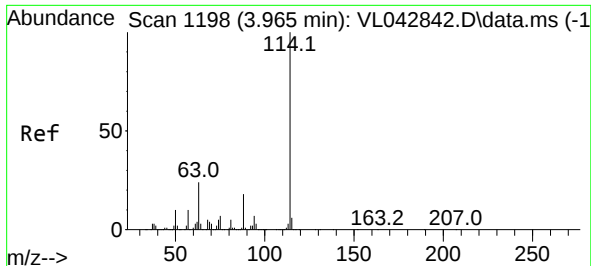


#32
 1,1,1-Trichloroethane
 Concen: 9.409 ppbv
 RT: 3.357 min Scan# 1010
 Delta R.T. -0.000 min
 Lab File: VL042902.D
 Acq: 08 Sep 2025 13:35



Tgt Ion: 97 Resp: 293618
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.0 76.6
 61 51.7 38.0 57.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.946 min Scan# 1198

Delta R.T. 0.003 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Instrument :

MSVOA_L

ClientSampleId :

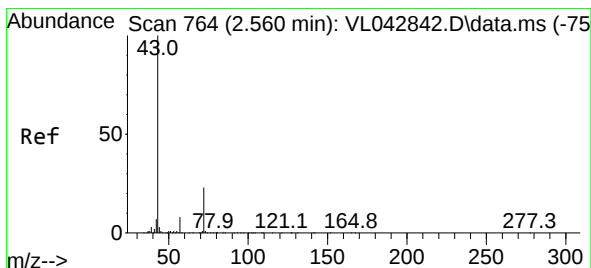
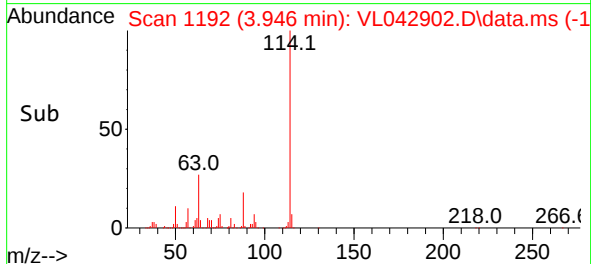
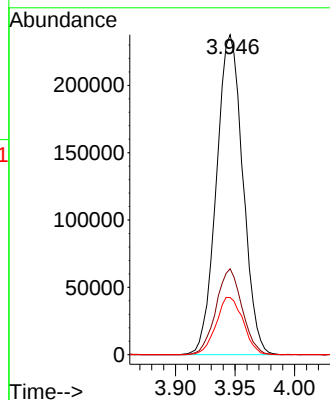
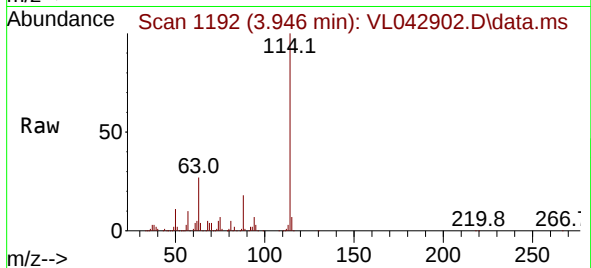
VL0908ABS01

Tgt Ion:	114	Resp:	36585
Ion Ratio	Lower	Upper	
114	100		
63	26.5	19.7	29.5
88	18.3	14.4	21.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#34

2-Butanone

Concen: 12.066 ppbv

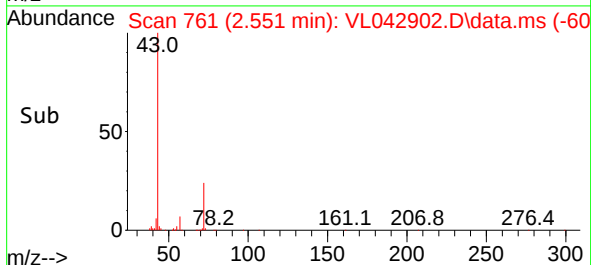
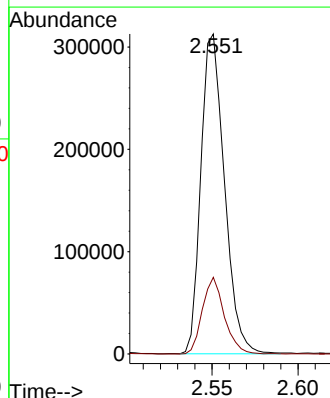
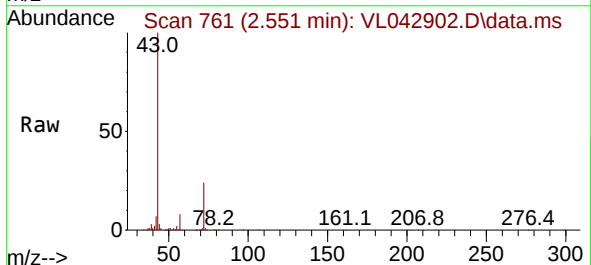
RT: 2.551 min Scan# 761

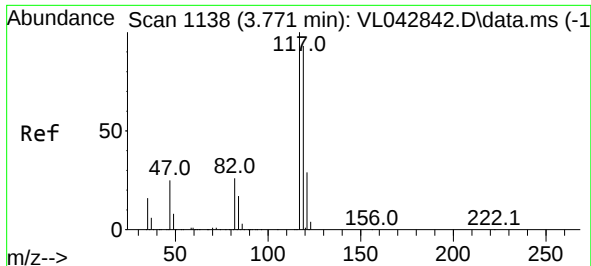
Delta R.T. 0.003 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Tgt Ion:	43	Resp:	298071
Ion Ratio	Lower	Upper	
43	100		
72	22.3	18.6	28.0





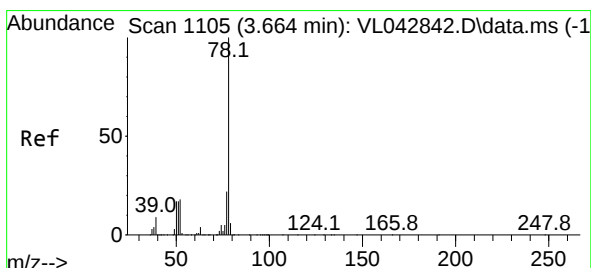
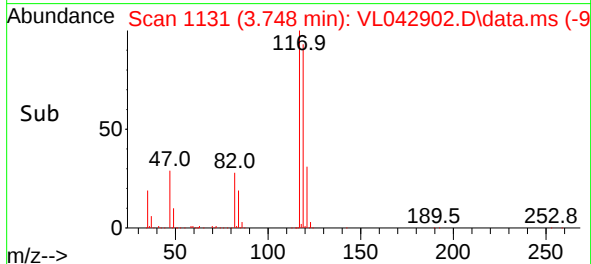
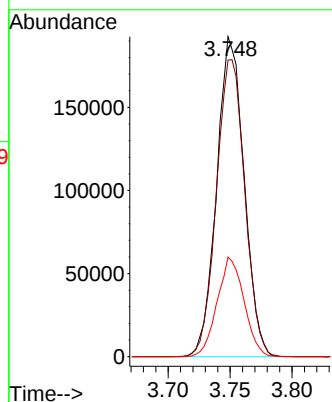
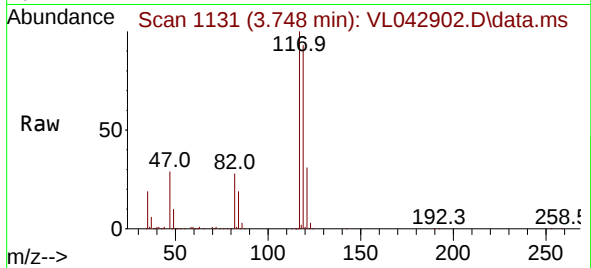
#35
Carbon Tetrachloride
Concen: 11.779 ppbv
RT: 3.748 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion:117 Resp: 297085
Ion Ratio Lower Upper
117 100
119 92.6 74.7 112.1
121 31.2 23.2 34.8

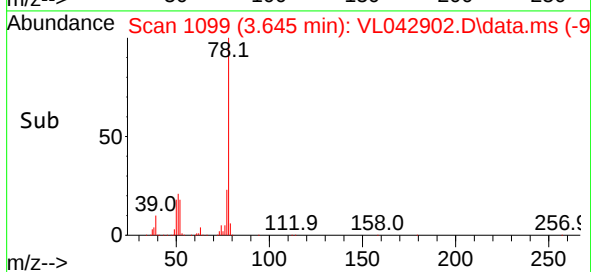
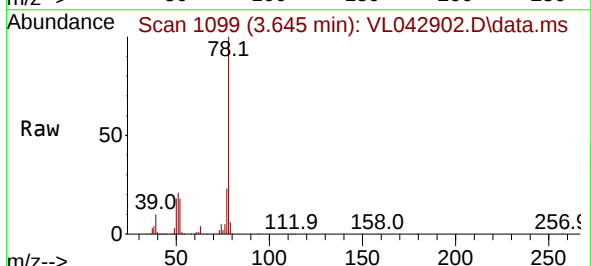
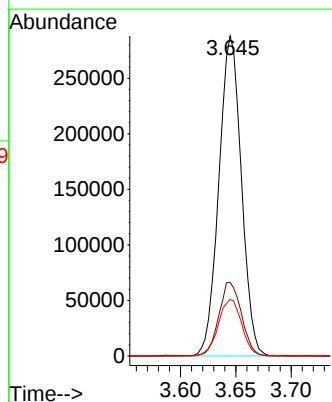
Manual Integrations
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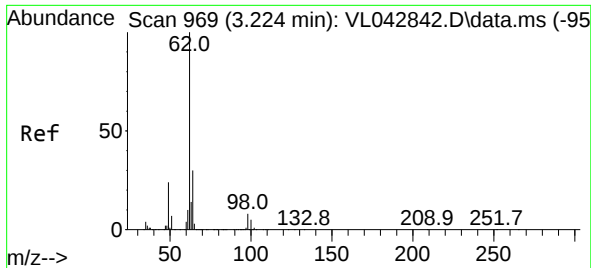
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#36
Benzene
Concen: 11.625 ppbv
RT: 3.645 min Scan# 1099
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Tgt Ion: 78 Resp: 407263
Ion Ratio Lower Upper
78 100
77 23.0 17.7 26.5
50 17.7 13.9 20.9





#37

1,2-Dichloroethane

Concen: 12.720 ppbv

RT: 3.208 min Scan# 9

Delta R.T. -0.000 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tgt Ion: 62 Resp: 232809

Ion Ratio Lower Upper

62 100

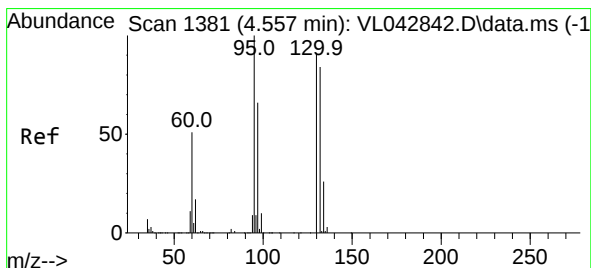
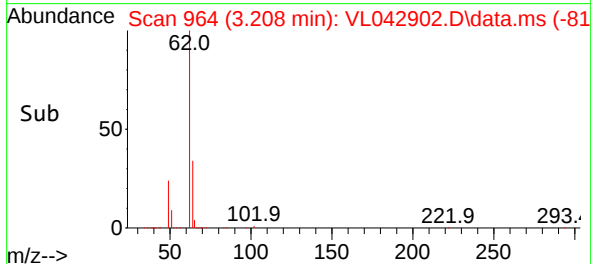
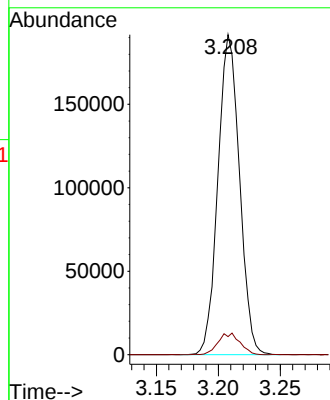
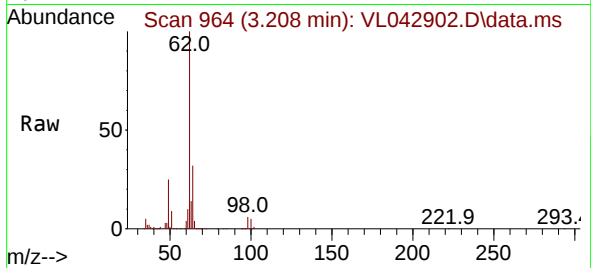
98 6.9 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025

Supervised By :Mahesh Dadoda 09/11/2025



#38

Trichloroethene

Concen: 10.408 ppbv

RT: 4.532 min Scan# 1373

Delta R.T. -0.000 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Tgt Ion:130 Resp: 166529

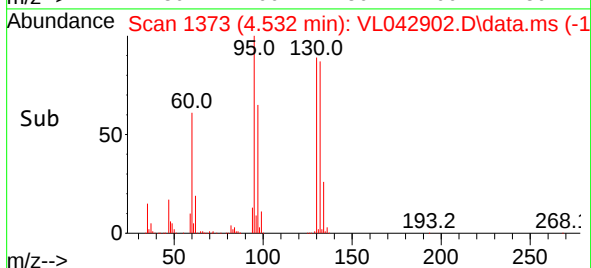
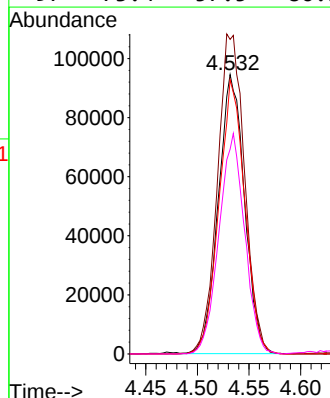
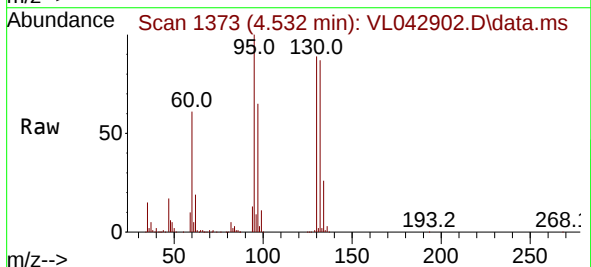
Ion Ratio Lower Upper

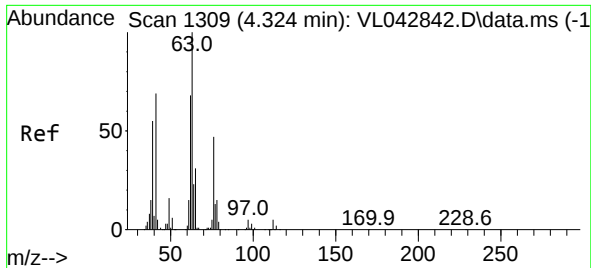
130 100

95 112.8 87.6 131.4

132 98.3 73.8 110.8

97 73.4 57.5 86.3





#39

1,2-Dichloropropane

Concen: 11.961 ppbv

RT: 4.302 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

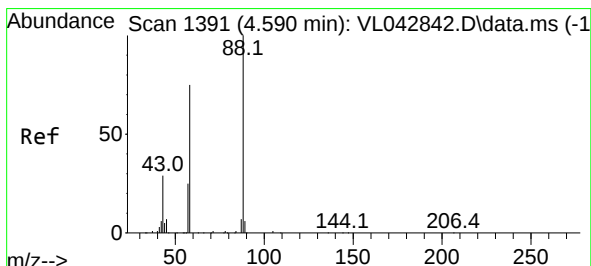
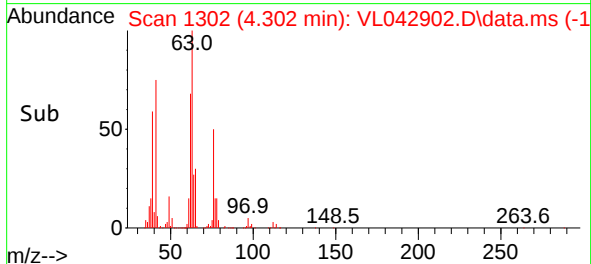
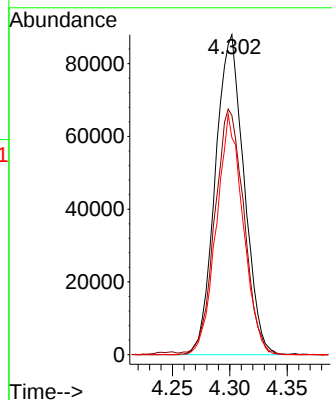
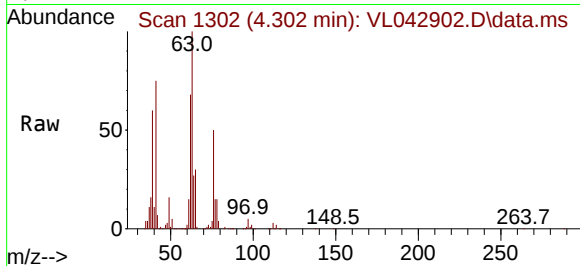
Tgt Ion: 63 Resp: 15304

Ion	Ratio	Lower	Upper
63	100		
41	74.6	55.0	82.4
62	67.7	54.4	81.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#40

1,4-Dioxane

Concen: 10.138 ppbv

RT: 4.567 min Scan# 1384

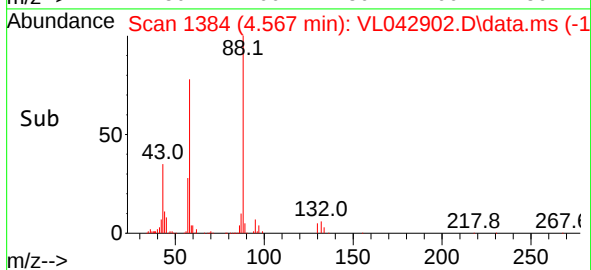
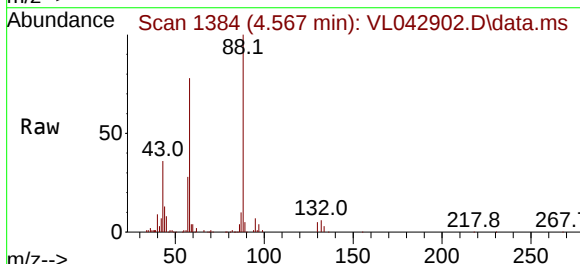
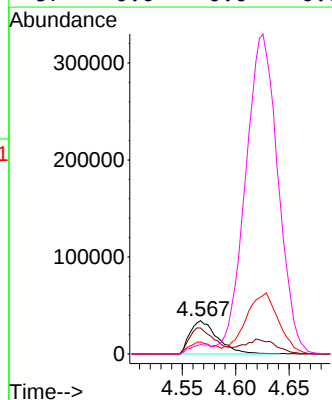
Delta R.T. 0.006 min

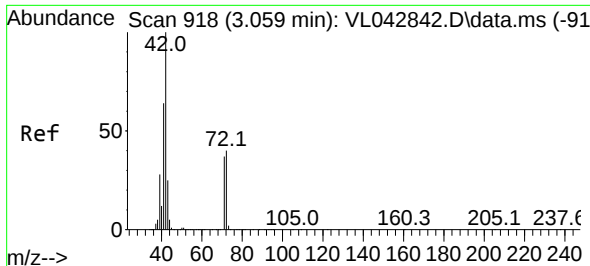
Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Tgt Ion: 88 Resp: 61682

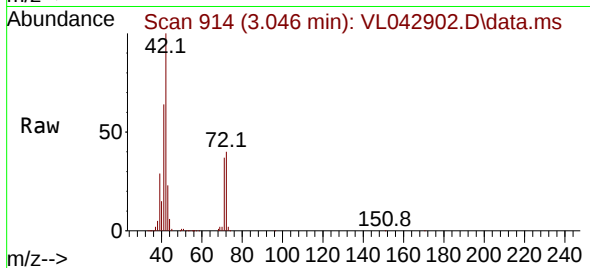
Ion	Ratio	Lower	Upper
88	100		
58	75.9	53.8	80.6
43	36.0	22.8	34.2#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 11.927 ppbv
RT: 3.046 min Scan# 918
Delta R.T. 0.003 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

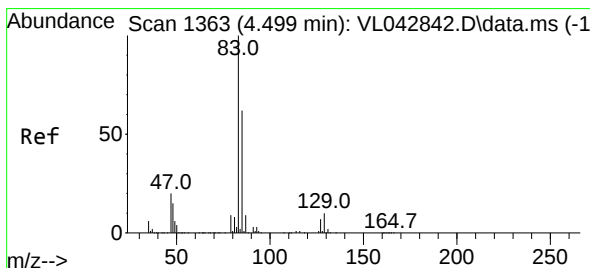
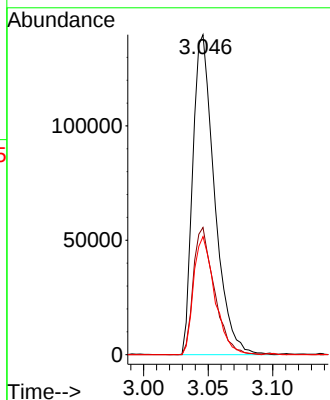
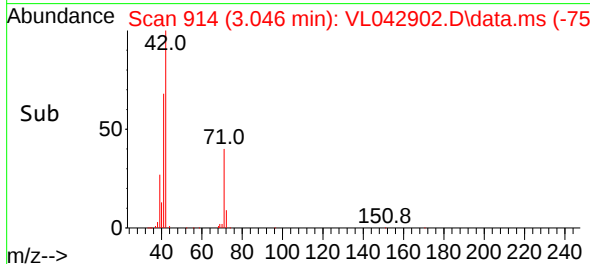
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01



Tgt Ion: 42 Resp: 164268
Ion Ratio Lower Upper
42 100
72 38.6 32.6 48.8
71 36.0 30.0 45.0

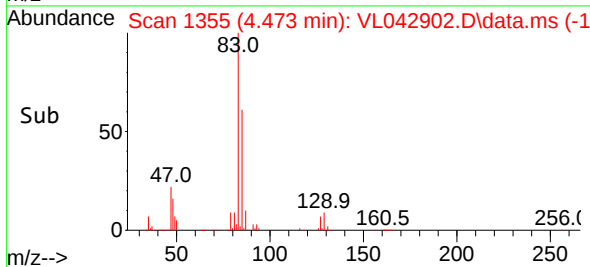
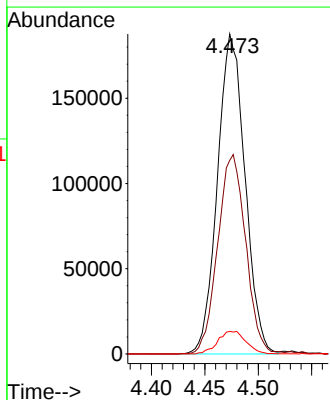
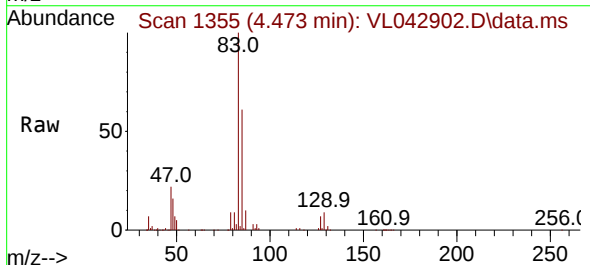
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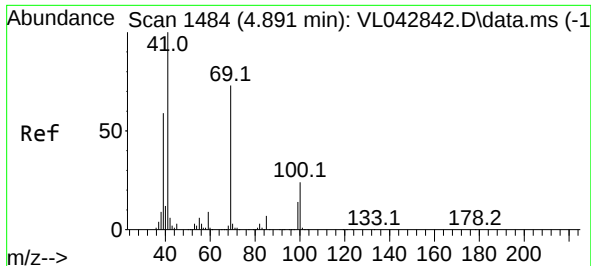
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#42
Bromodichloromethane
Concen: 12.351 ppbv
RT: 4.473 min Scan# 1355
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

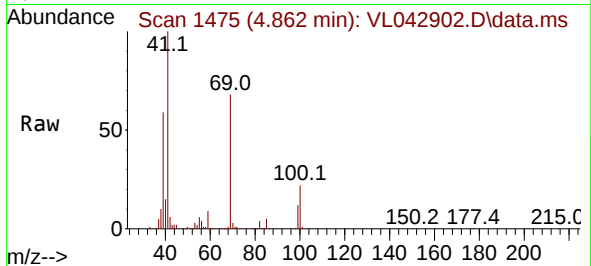
Tgt Ion: 83 Resp: 336858
Ion Ratio Lower Upper
83 100
85 60.5 49.8 74.8
127 7.0 5.8 8.6





#43
Methyl Methacrylate
Concen: 10.979 ppbv
RT: 4.862 min Scan# 1484
Delta R.T. 0.003 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

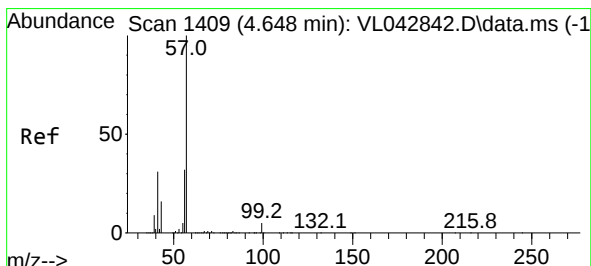
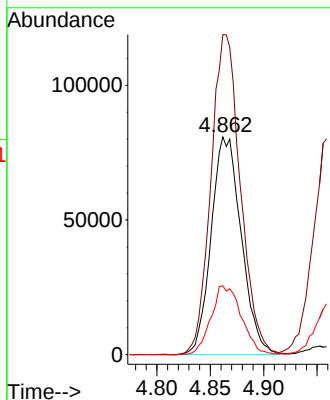
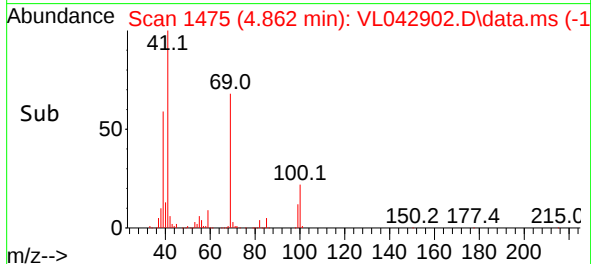
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01



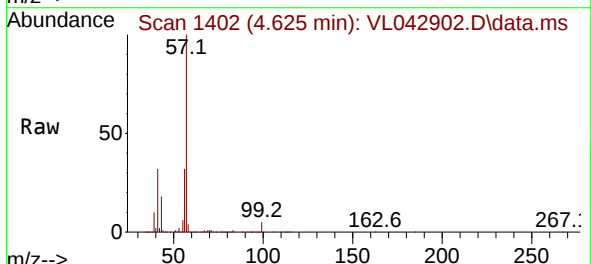
Tgt Ion: 69 Resp: 15845
Ion Ratio Lower Upper
69 100
41 143.9 114.6 172.0
100 32.1 30.2 45.4

Manual Integrations
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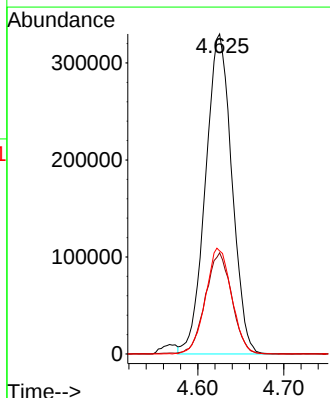
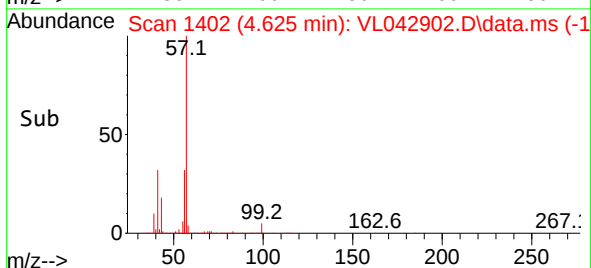
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025

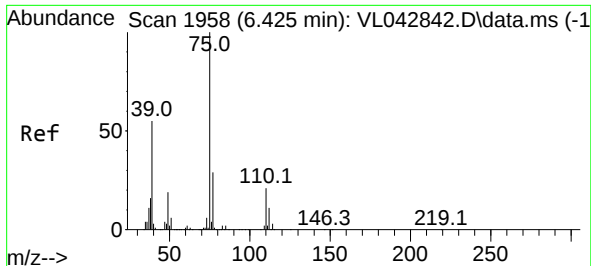


#44
2,2,4-Trimethylpentane
Concen: 11.797 ppbv
RT: 4.625 min Scan# 1402
Delta R.T. 0.003 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35



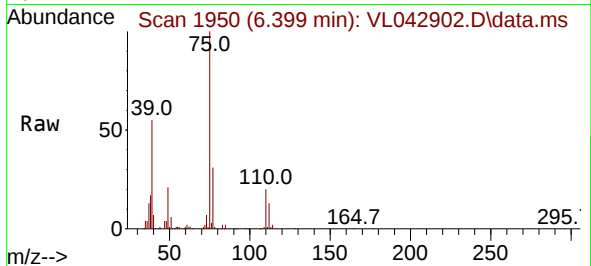
Tgt Ion: 57 Resp: 701486
Ion Ratio Lower Upper
57 100
41 31.8 24.8 37.2
56 32.7 25.5 38.3





#45
 t-1,3-Dichloropropene
 Concen: 10.403 ppbv
 RT: 6.399 min Scan# 16943
 Delta R.T. 0.006 min
 Lab File: VL042902.D
 Acq: 08 Sep 2025 13:35

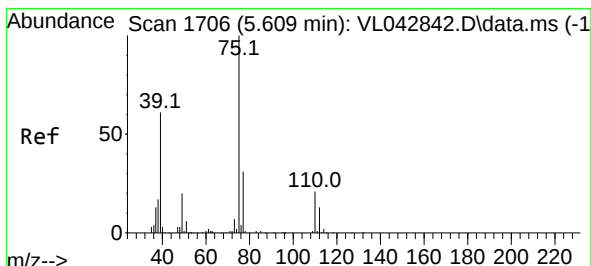
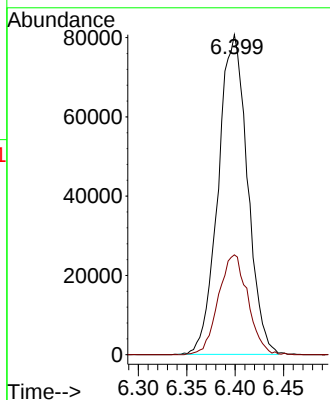
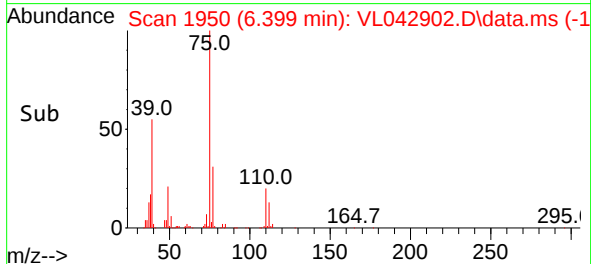
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01



Tgt Ion: 75 Resp: 16943
 Ion Ratio Lower Upper
 75 100
 77 31.2 23.8 35.6

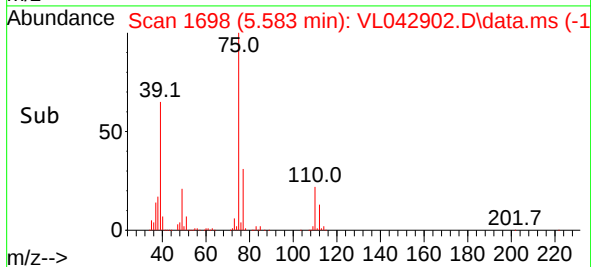
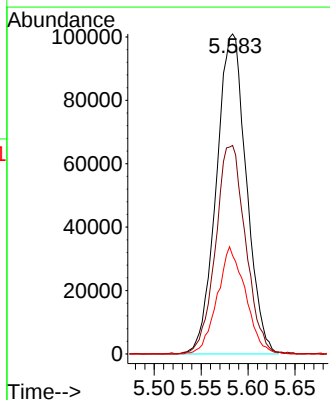
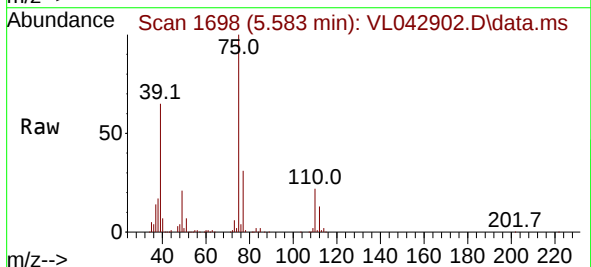
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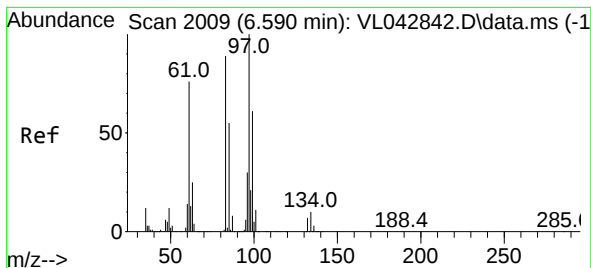
Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025



#46
 cis-1,3-Dichloropropene
 Concen: 11.031 ppbv
 RT: 5.583 min Scan# 1698
 Delta R.T. 0.003 min
 Lab File: VL042902.D
 Acq: 08 Sep 2025 13:35

Tgt Ion: 75 Resp: 223871
 Ion Ratio Lower Upper
 75 100
 39 65.0 48.9 73.3
 77 30.8 24.9 37.3





#47

1,1,2-Trichloroethane

Concen: 11.541 ppbv

RT: 6.564 min Scan# 2009

Delta R.T. 0.003 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tgt Ion: 97 Resp: 156460

Ion Ratio Lower Upper

97 100

83 95.5 71.0 106.4

85 55.6 43.6 65.4

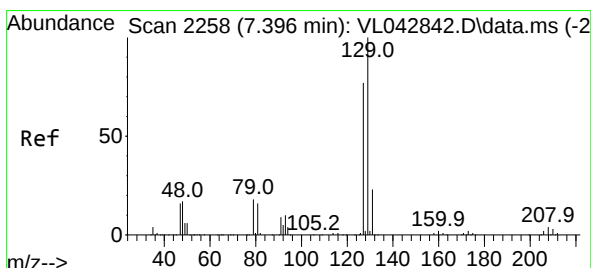
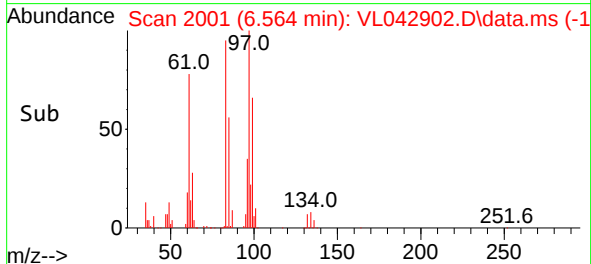
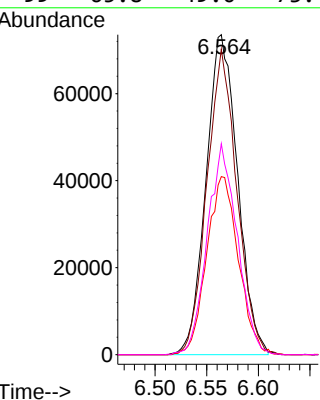
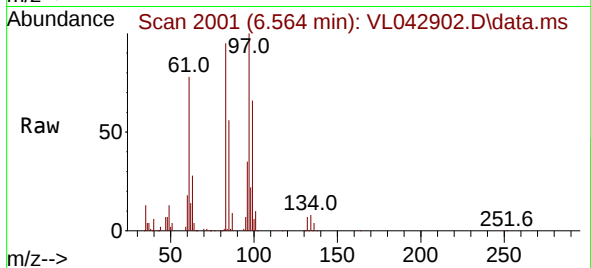
99 65.8 49.0 73.4

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Reviewed By :Semsettin Yesilyurt 09/09/2025

Supervised By :Mahesh Dadoda 09/11/2025



#48

Dibromochloromethane

Concen: 11.712 ppbv

RT: 7.373 min Scan# 2251

Delta R.T. 0.003 min

Lab File: VL042902.D

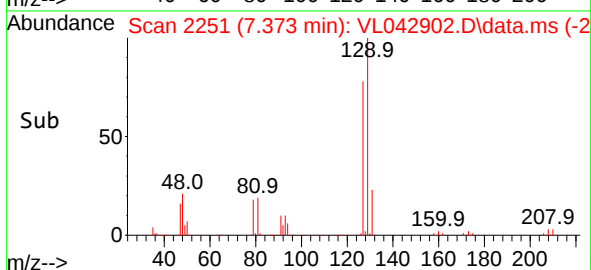
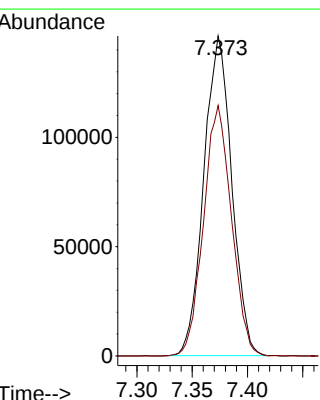
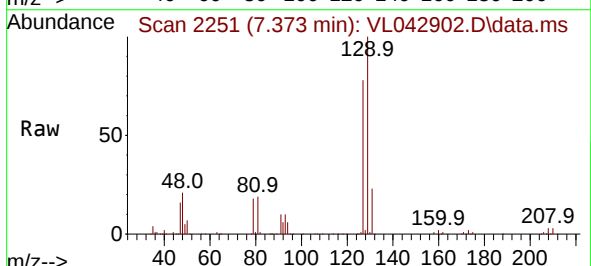
Acq: 08 Sep 2025 13:35

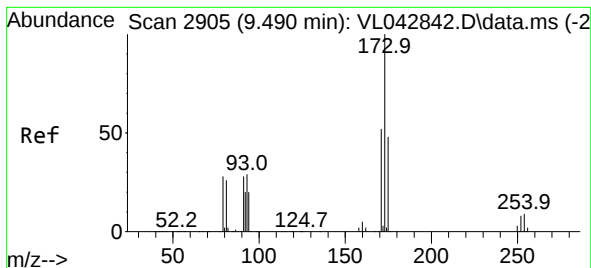
Tgt Ion:129 Resp: 256923

Ion Ratio Lower Upper

129 100

127 78.3 39.4 118.2





#49

Bromoform

Concen: 11.222 ppbv

RT: 9.474 min Scan# 2905

Delta R.T. 0.003 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Instrument :

MSVOA_L

ClientSampleId :

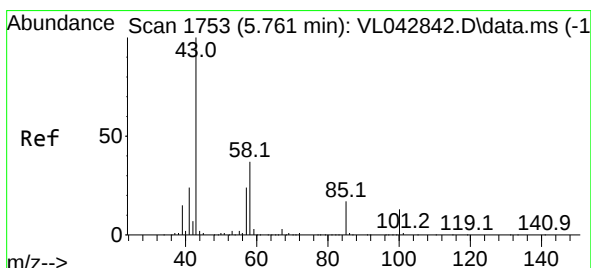
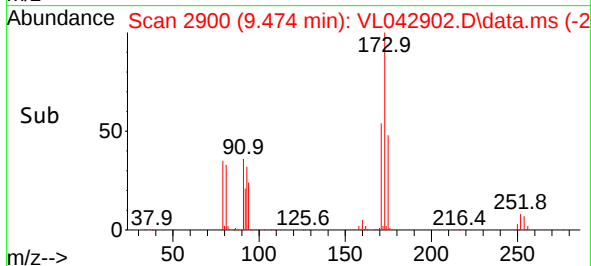
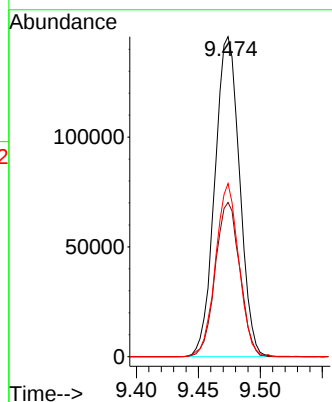
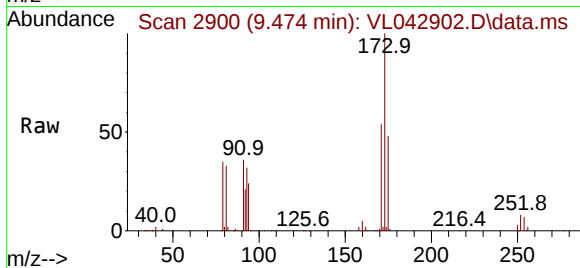
VL0908ABS01

Tgt Ion:173	Resp: 203018
Ion Ratio	Lower Upper
173 100	
175 47.9	39.2 58.8
171 51.1	41.3 61.9

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Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#50

4-Methyl-2-Pentanone

Concen: 11.688 ppbv

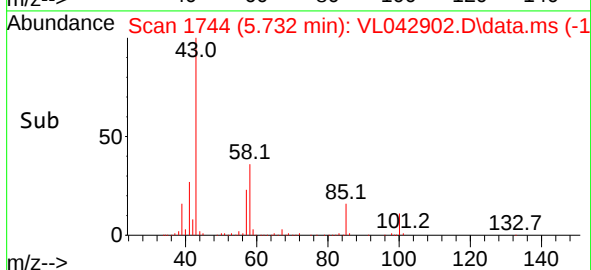
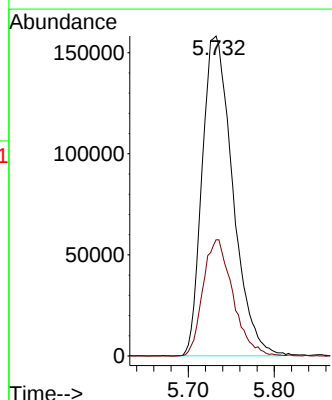
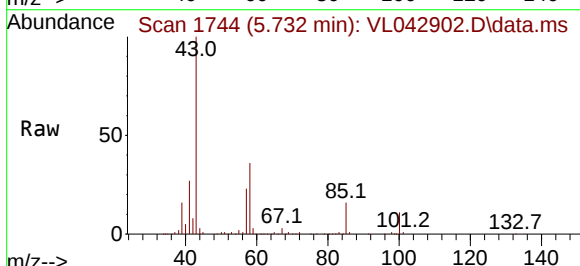
RT: 5.732 min Scan# 1744

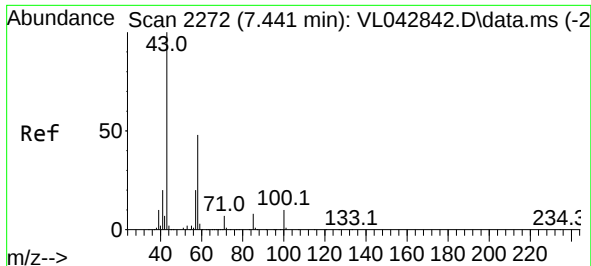
Delta R.T. 0.003 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

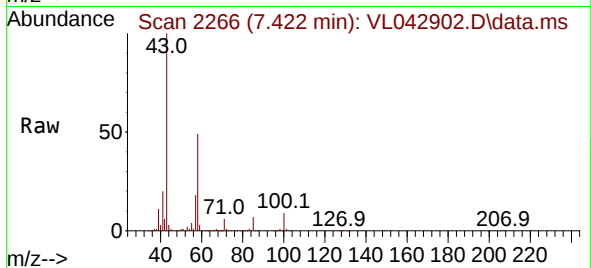
Tgt Ion: 43	Resp: 390291
Ion Ratio	Lower Upper
43 100	
58 35.7	29.8 44.8





#51
2-Hexanone
Concen: 11.858 ppbv
RT: 7.422 min Scan# 21158
Delta R.T. 0.003 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

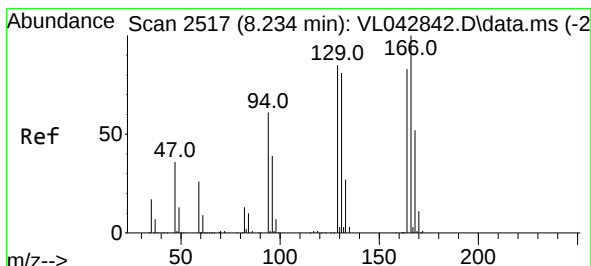
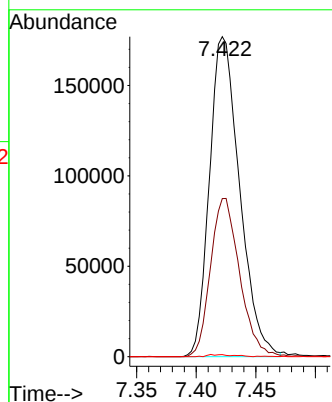
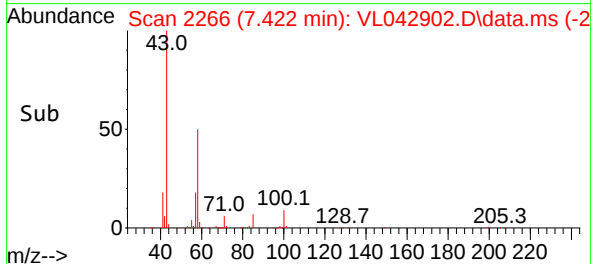
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01



Tgt Ion: 43 Resp: 31158
Ion Ratio Lower Upper
43 100
58 47.8 41.0 61.6
98 0.6 0.1 0.1

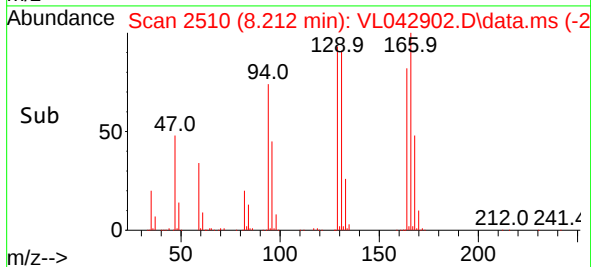
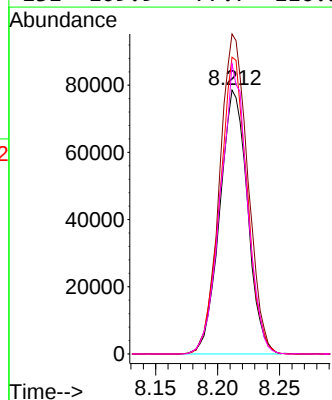
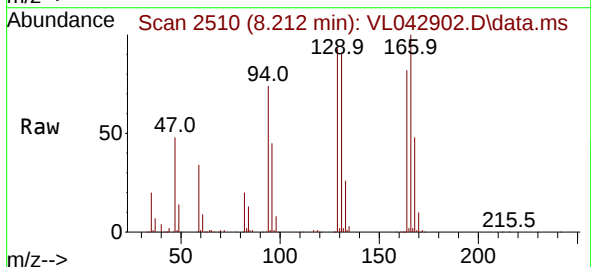
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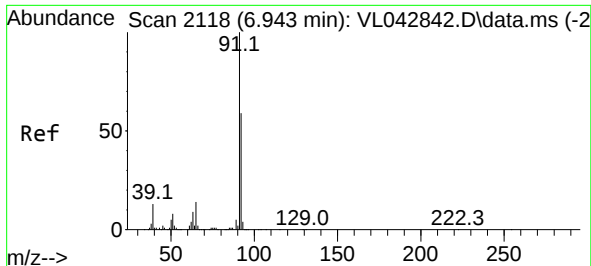
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#52
Tetrachloroethene
Concen: 9.644 ppbv
RT: 8.212 min Scan# 2510
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Tgt Ion:164 Resp: 122229
Ion Ratio Lower Upper
164 100
166 121.3 96.5 144.7
129 112.5 81.8 122.6
131 109.9 77.7 116.5





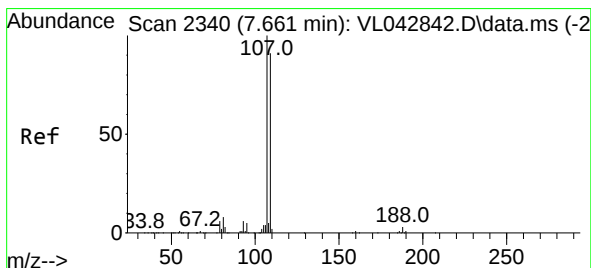
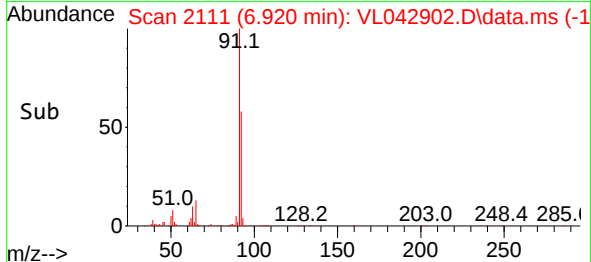
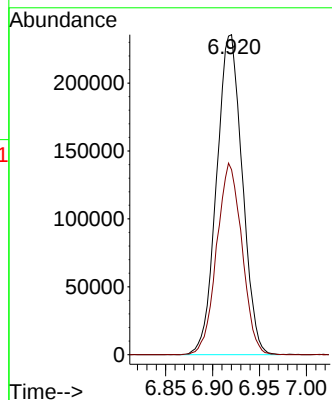
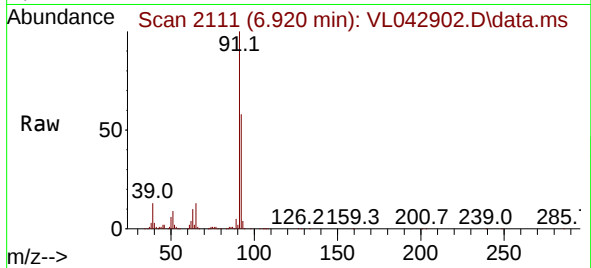
#53
Toluene
Concen: 10.752 ppbv
RT: 6.920 min Scan# 2111
Delta R.T. 0.006 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion: 91 Resp: 447844
Ion Ratio Lower Upper
91 100
92 58.9 47.8 71.6

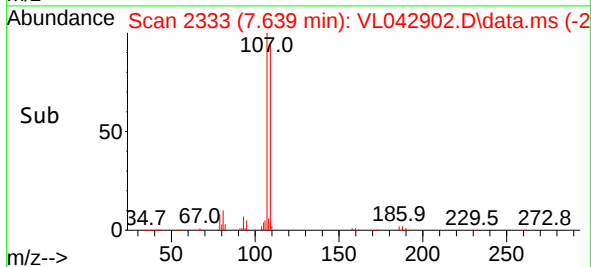
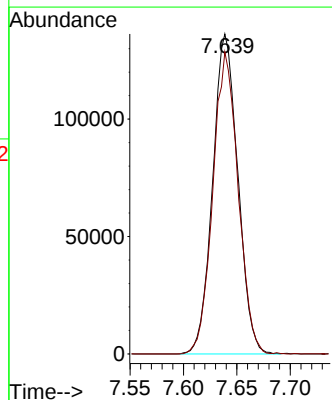
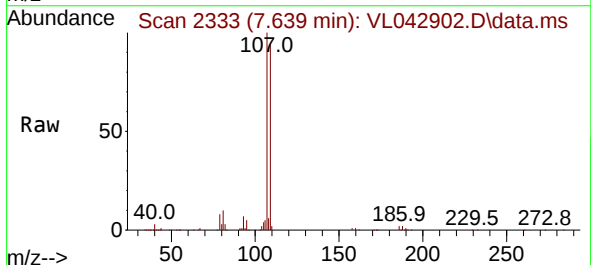
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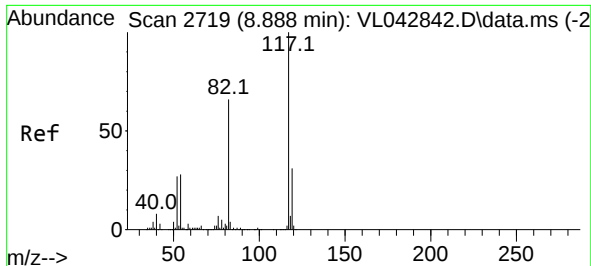
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#54
1,2-Dibromoethane
Concen: 11.277 ppbv
RT: 7.639 min Scan# 2333
Delta R.T. 0.003 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Tgt Ion:107 Resp: 223417
Ion Ratio Lower Upper
107 100
109 94.3 72.5 108.7





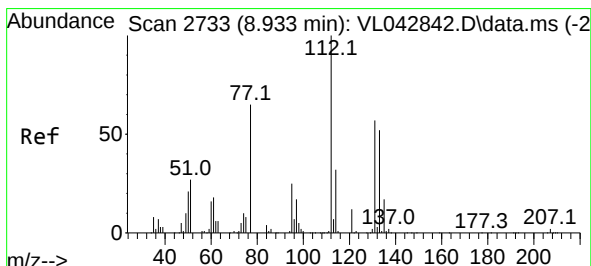
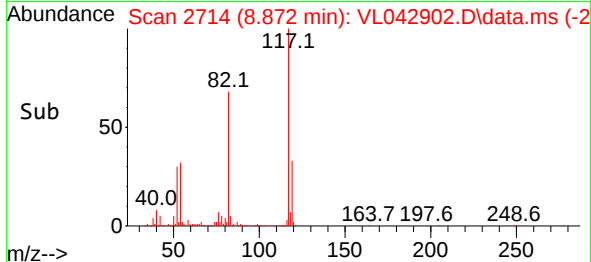
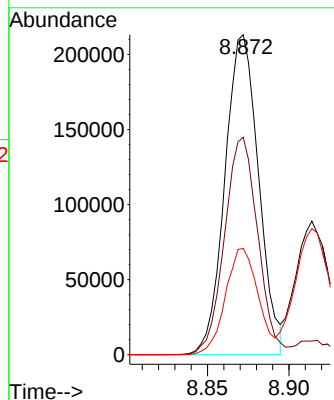
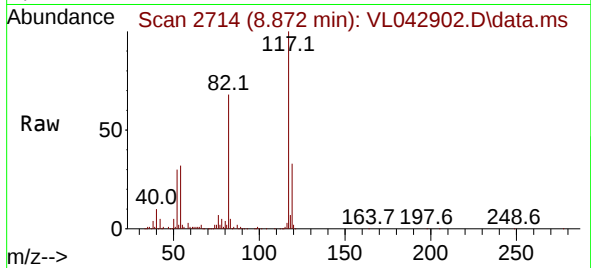
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. 0.003 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion:117 Resp: 30638
Ion Ratio Lower Upper
117 100
82 71.5 54.6 81.8
119 32.3 25.9 38.9

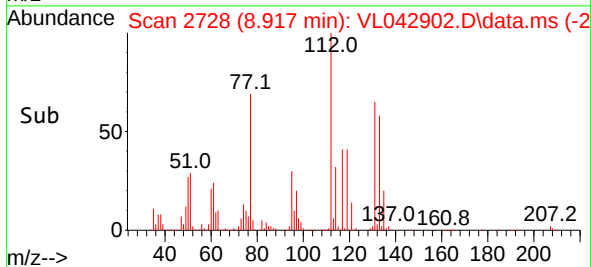
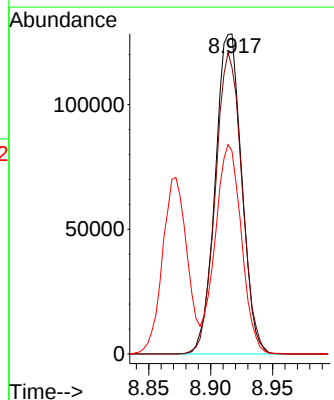
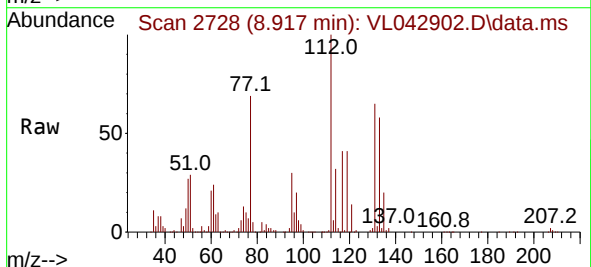
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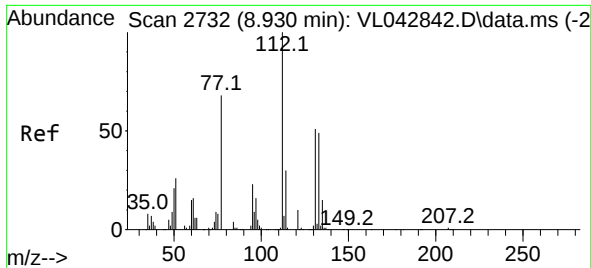
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 12.050 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Tgt Ion:131 Resp: 190922
Ion Ratio Lower Upper
131 100
133 94.5 77.4 116.0
119 64.9 51.2 76.8





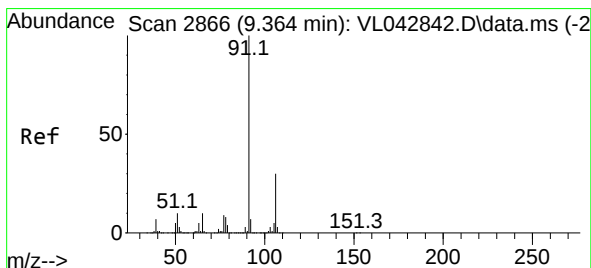
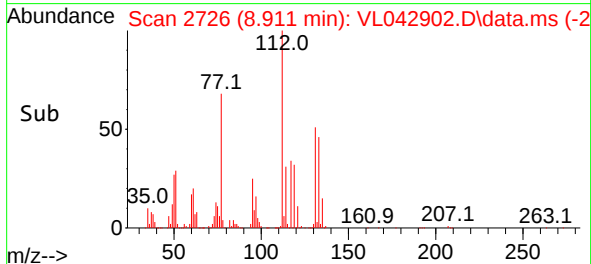
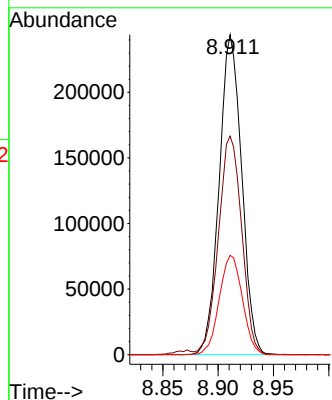
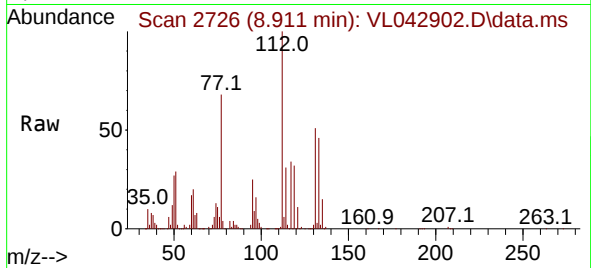
#57
Chlorobenzene
Concen: 11.855 ppbv
RT: 8.911 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion:112 Resp: 34534
Ion Ratio Lower Upper
112 100
77 68.3 55.5 83.3
114 31.0 27.2 33.2

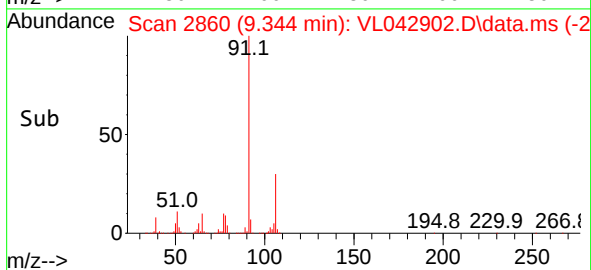
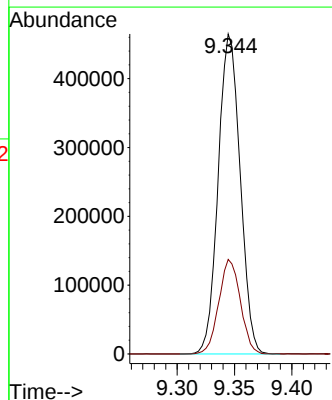
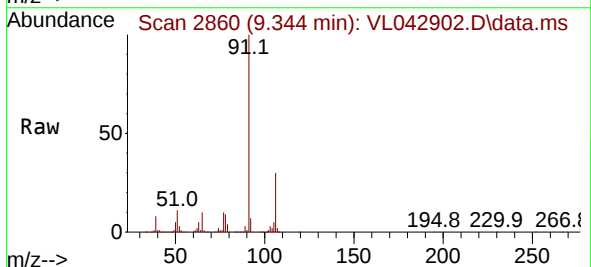
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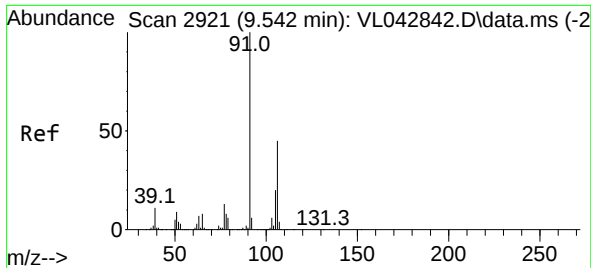
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#58
Ethyl Benzene
Concen: 11.442 ppbv
RT: 9.344 min Scan# 2860
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Tgt Ion: 91 Resp: 618650
Ion Ratio Lower Upper
91 100
106 29.6 23.9 35.9





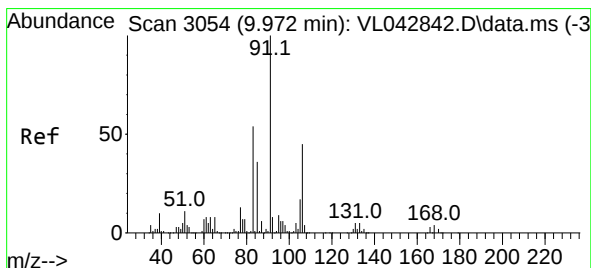
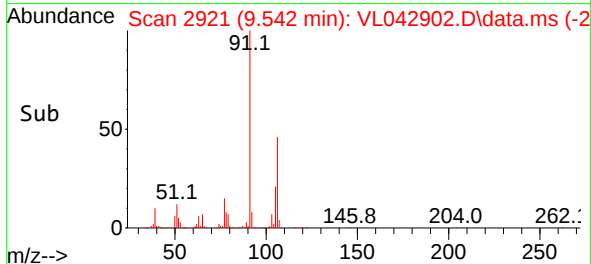
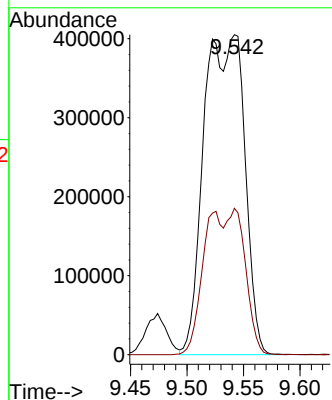
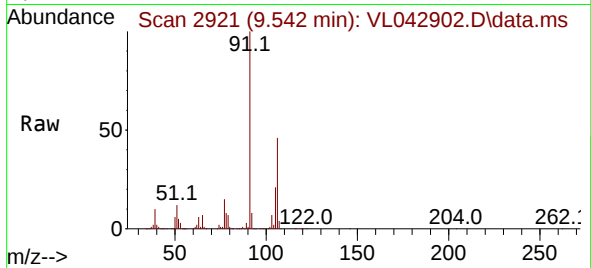
#59
m/p-Xylene
Concen: 23.968 ppbv m
RT: 9.542 min Scan# 2921
Delta R.T. 0.003 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion: 91 Resp: 1015739
Ion Ratio Lower Upper
91 100
106 45.2 0.0 0.0

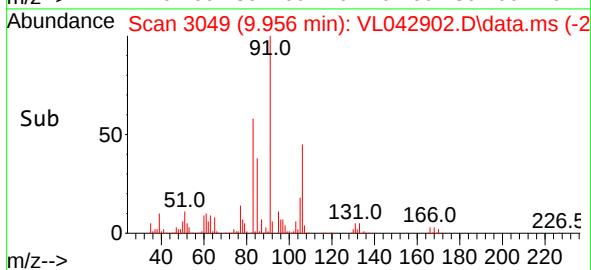
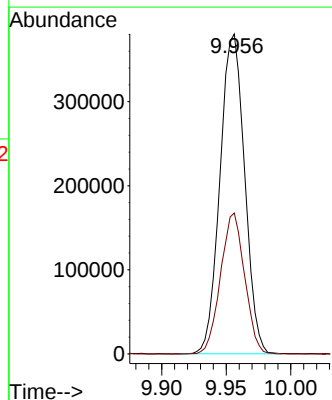
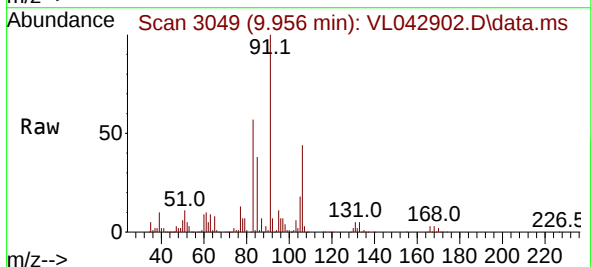
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Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#60
o-Xylene
Concen: 11.844 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. 0.003 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Tgt Ion: 91 Resp: 504922
Ion Ratio Lower Upper
91 100
106 43.0 21.8 65.4





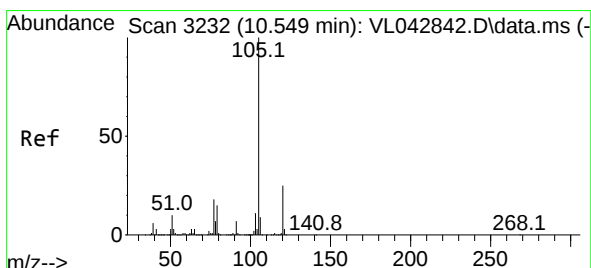
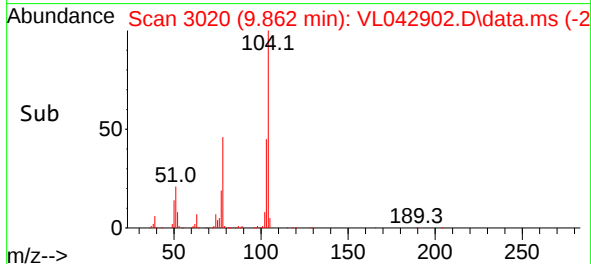
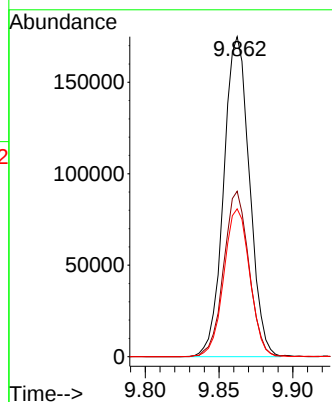
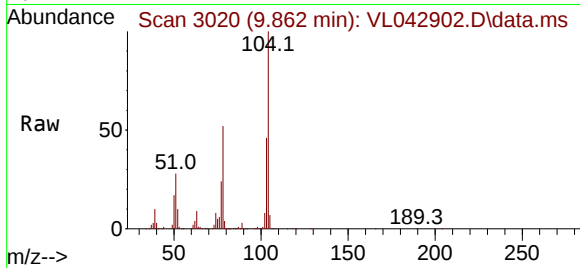
#61
Styrene
Concen: 10.644 ppbv
RT: 9.862 min Scan# 3025
Delta R.T. 0.003 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion:104 Resp: 212594
Ion Ratio Lower Upper
104 100
78 50.7 40.6 61.0
103 46.6 37.7 56.5

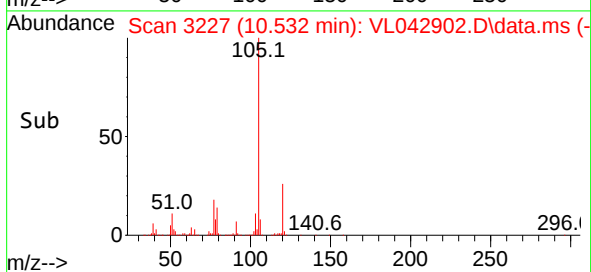
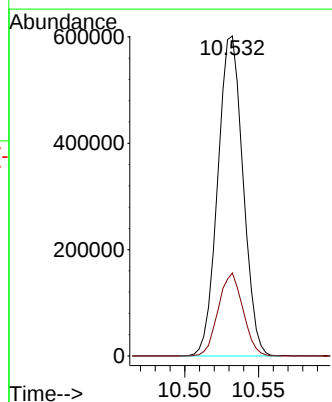
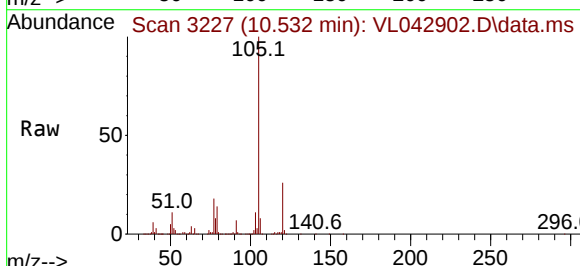
Manual Integrations
APPROVED

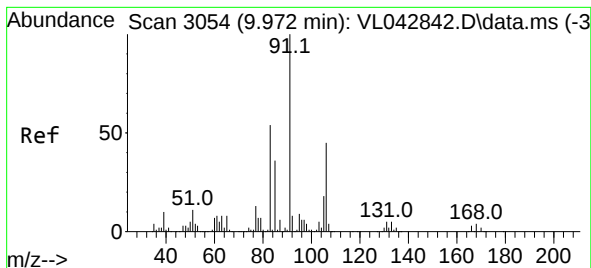
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#62
Isopropylbenzene
Concen: 11.521 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. 0.003 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

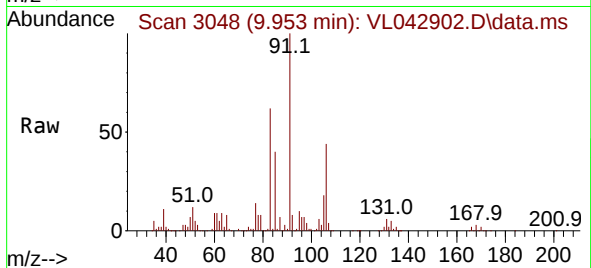
Tgt Ion:105 Resp: 717761
Ion Ratio Lower Upper
105 100
120 25.3 20.6 30.8





#63
1,1,2,2-Tetrachloroethane
Concen: 12.588 ppbv
RT: 9.953 min Scan# 3054
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

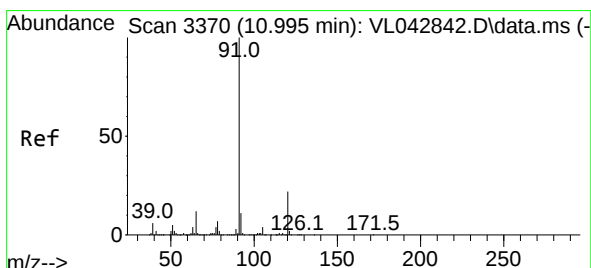
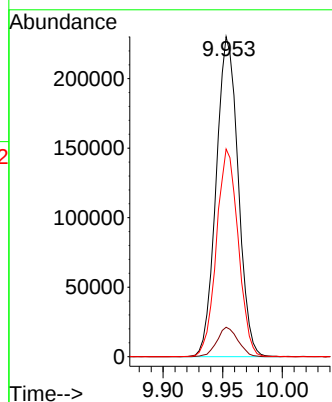
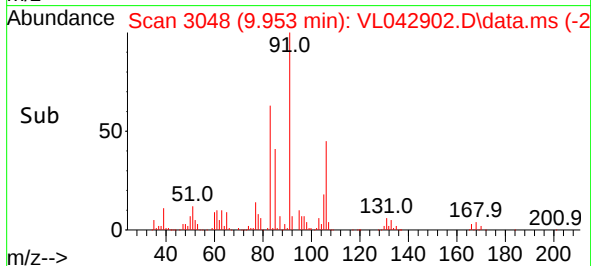
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01



Tgt Ion: 83 Resp: 29511
Ion Ratio Lower Upper
83 100
131 8.8 4.8 14.3
85 64.3 32.3 96.8

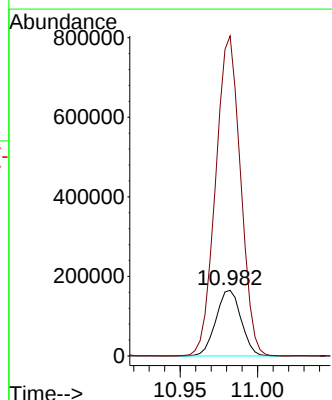
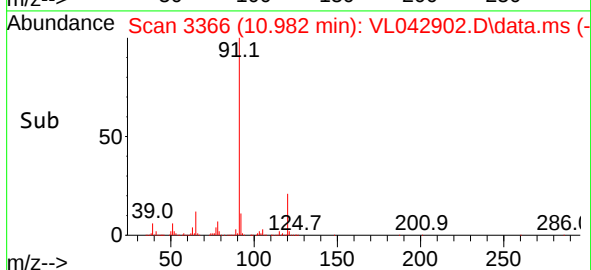
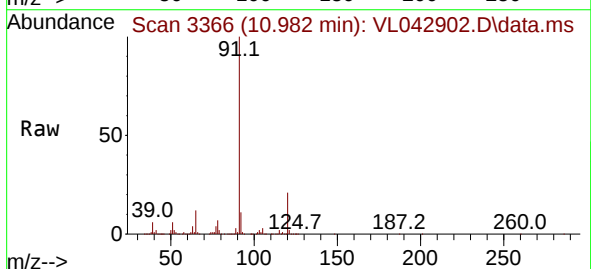
Manual Integrations
APPROVED

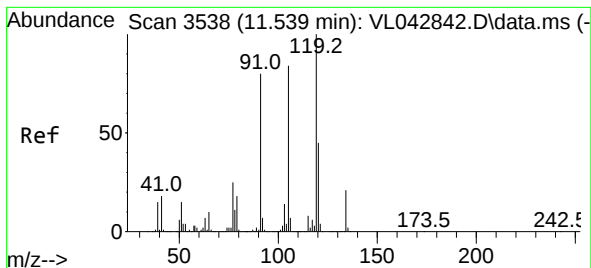
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#64
n-propylbenzene
Concen: 11.717 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. 0.003 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Tgt Ion:120 Resp: 186258
Ion Ratio Lower Upper
120 100
91 484.6 375.8 563.6





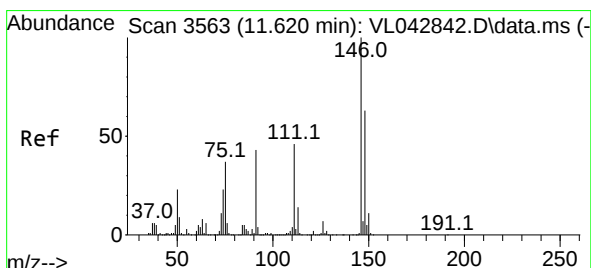
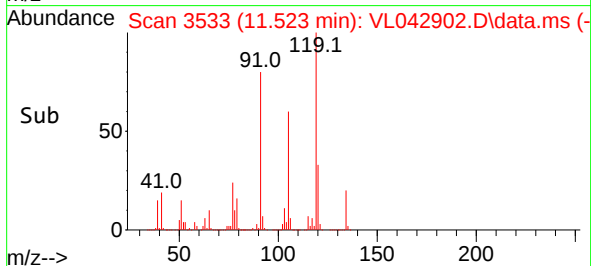
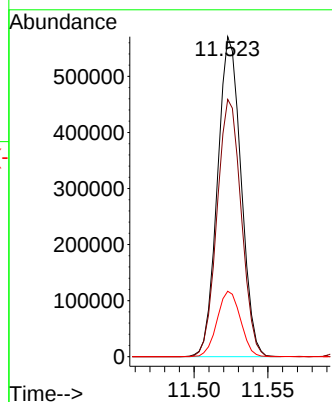
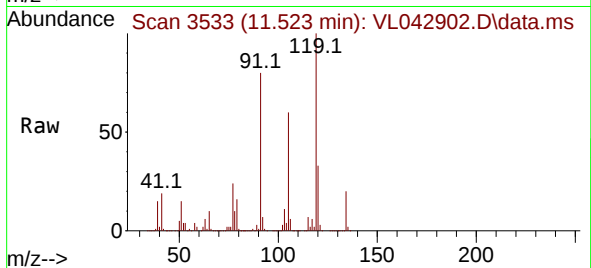
#65
tert-Butylbenzene
Concen: 11.541 ppbv
RT: 11.523 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion: 119 Resp: 633844
Ion Ratio Lower Upper
119 100
91 82.5 63.9 95.9
134 20.3 17.0 25.4

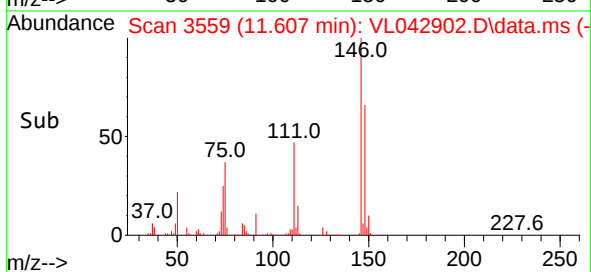
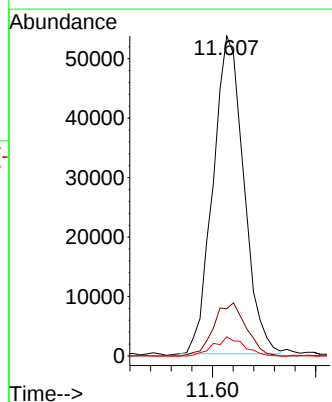
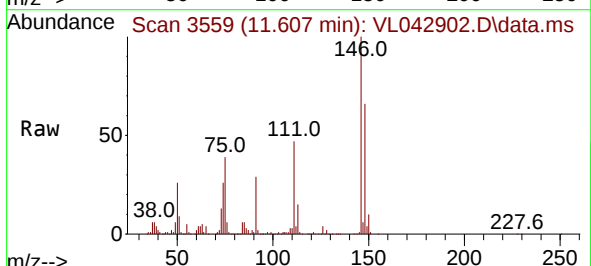
Manual Integrations
APPROVED

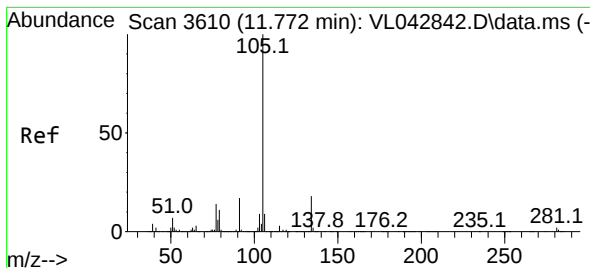
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#66
Benzyl Chloride
Concen: 7.954 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

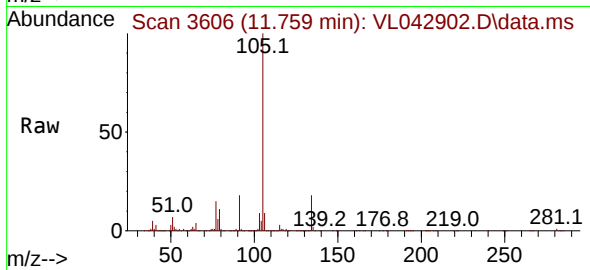
Tgt Ion: 91 Resp: 55458
Ion Ratio Lower Upper
91 100
126 17.6 14.2 21.4
128 5.9 5.0 7.6





#67
 sec-Butylbenzene
 Concen: 11.739 ppbv
 RT: 11.759 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: VL042902.D
 Acq: 08 Sep 2025 13:35

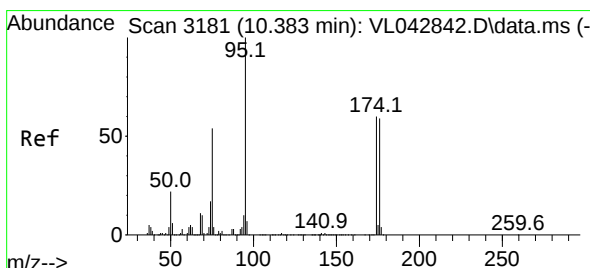
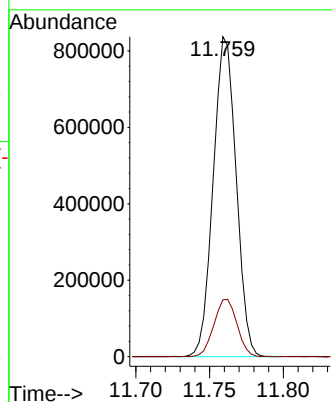
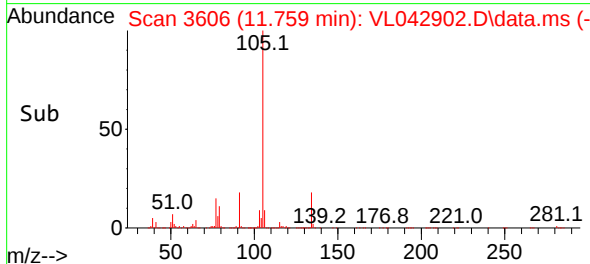
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01



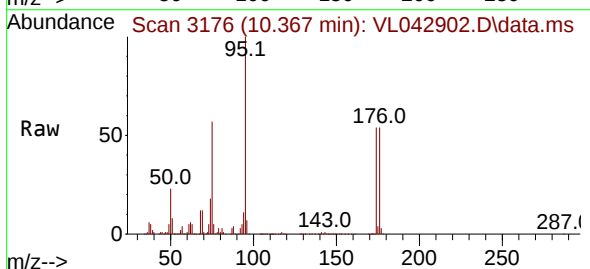
Tgt Ion:105 Resp: 90497
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.9 22.3

Manual Integrations
 APPROVED

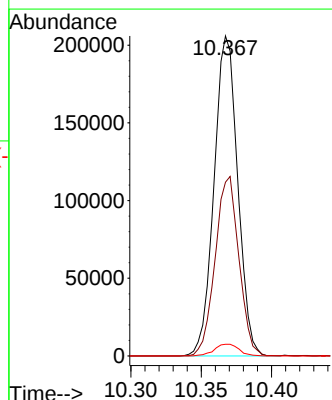
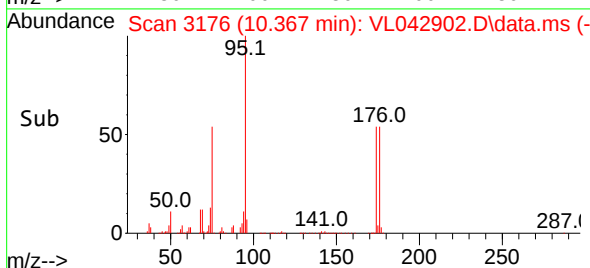
Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025

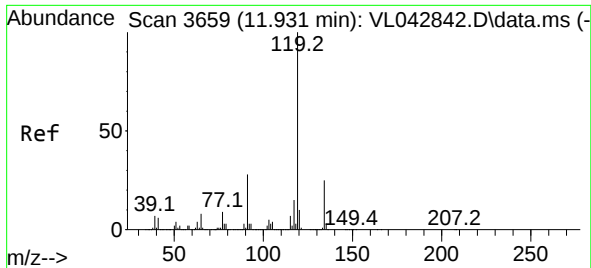


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.481 ppbv
 RT: 10.367 min Scan# 3176
 Delta R.T. 0.003 min
 Lab File: VL042902.D
 Acq: 08 Sep 2025 13:35



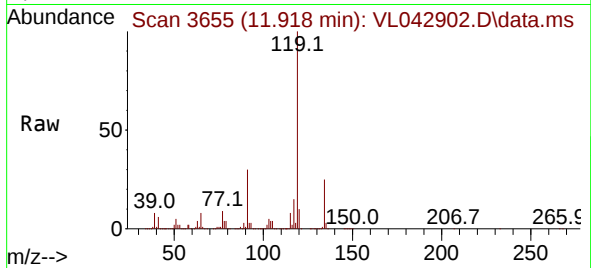
Tgt Ion: 95 Resp: 240840
 Ion Ratio Lower Upper
 95 100
 174 56.6 48.4 72.6
 175 3.8 3.8 5.8





#69
p-Isopropyltoluene
Concen: 11.229 ppbv
RT: 11.918 min Scan# 3655
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

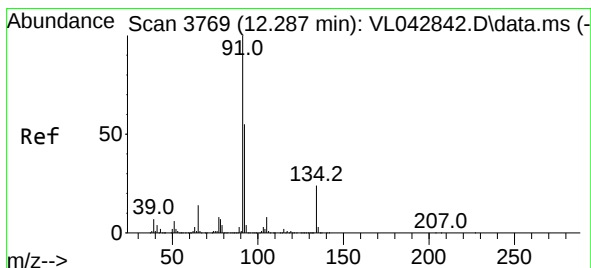
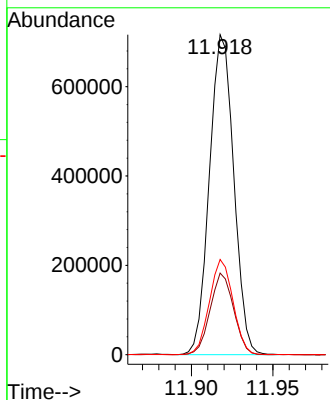
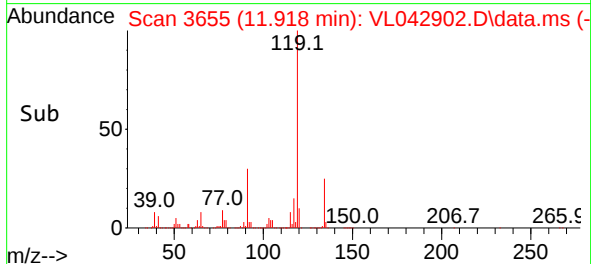
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01



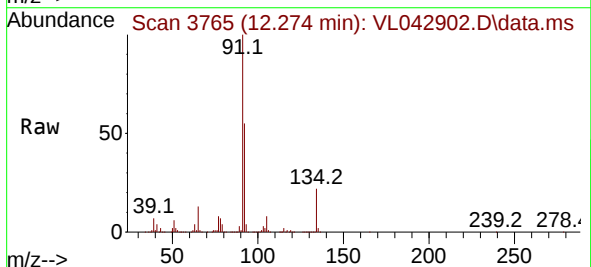
Tgt Ion:119 Resp: 743217
Ion Ratio Lower Upper
119 100
134 24.6 20.6 30.8
91 28.9 22.6 34.0

Manual Integrations
APPROVED

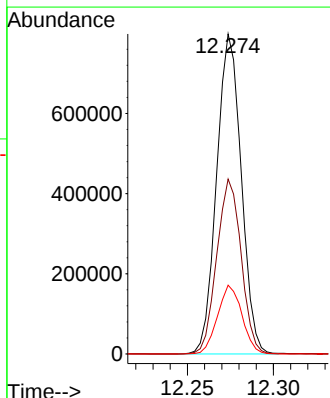
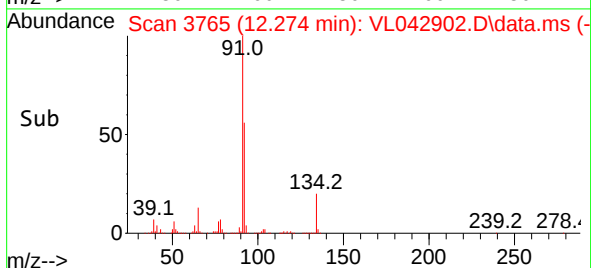
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025

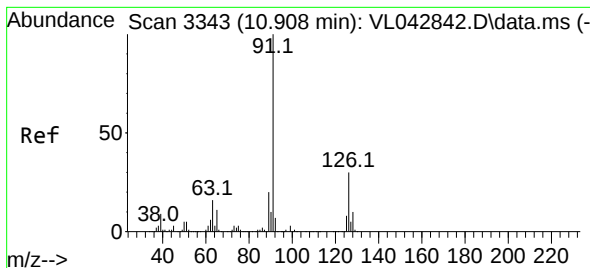


#70
n-Butylbenzene
Concen: 12.084 ppbv
RT: 12.274 min Scan# 3765
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35



Tgt Ion: 91 Resp: 793205
Ion Ratio Lower Upper
91 100
92 54.3 44.6 66.8
134 21.4 19.0 28.4





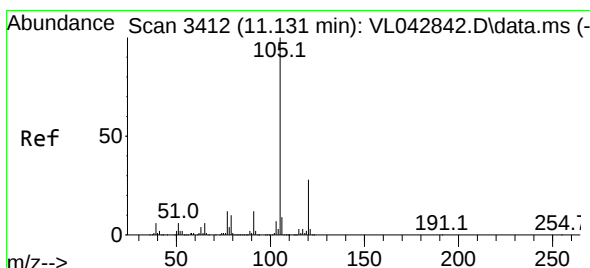
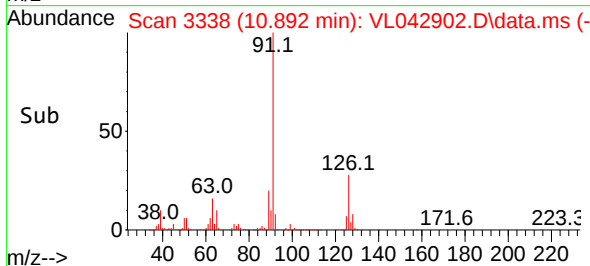
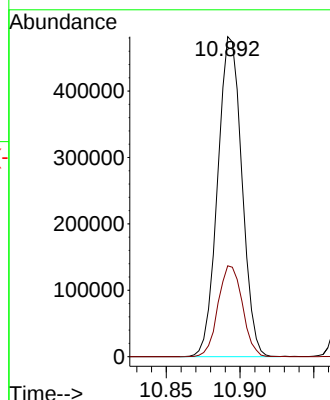
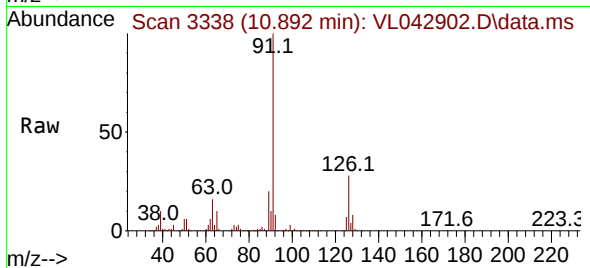
#71
2-Chlorotoluene
Concen: 11.398 ppbv
RT: 10.892 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion: 91 Resp: 551398
Ion Ratio Lower Upper
91 100
126 28.5 12.0 47.8

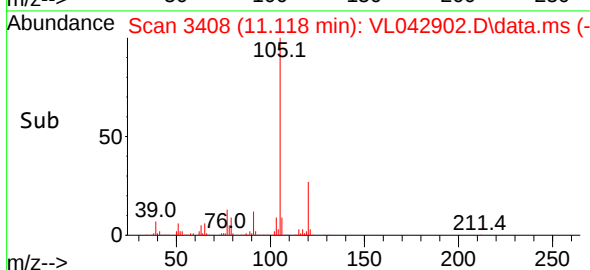
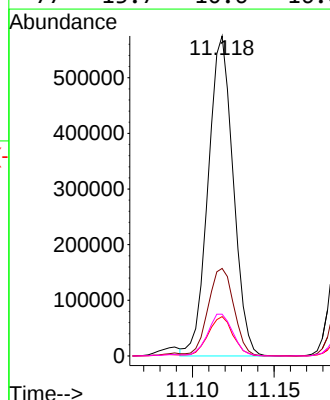
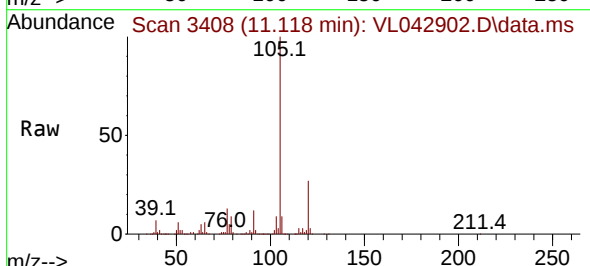
Manual Integrations
APPROVED

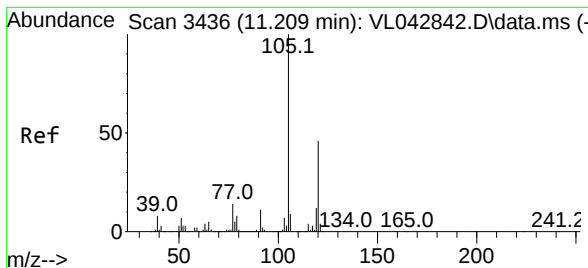
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#72
4-Ethyltoluene
Concen: 11.871 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Tgt Ion:105 Resp: 613510
Ion Ratio Lower Upper
105 100
120 28.9 23.4 35.2
91 12.5 9.8 14.6
77 13.7 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 11.496 ppbv

RT: 11.196 min Scan# 3436

Delta R.T. -0.000 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

Tgt Ion:105 Resp: 50522

Ion Ratio Lower Upper

105 100

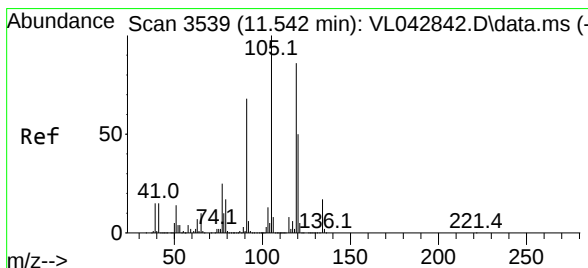
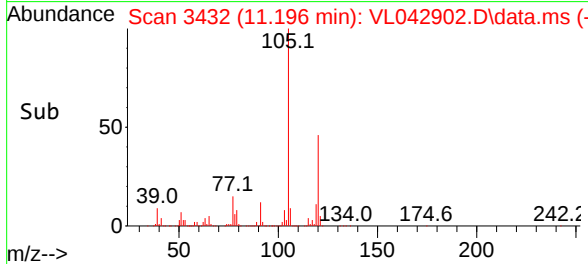
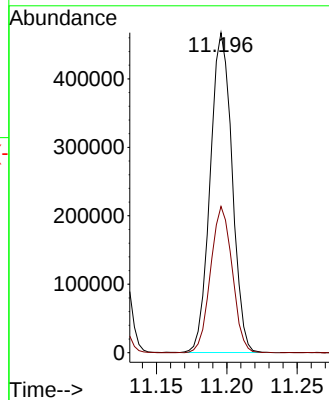
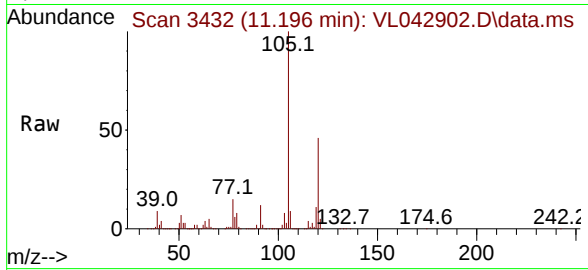
120 45.7 36.6 54.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025

Supervised By :Mahesh Dadoda 09/11/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.668 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. -0.000 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Tgt Ion:105 Resp: 562868

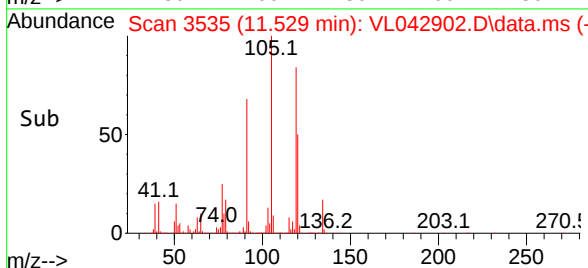
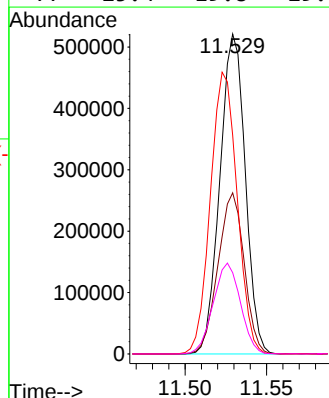
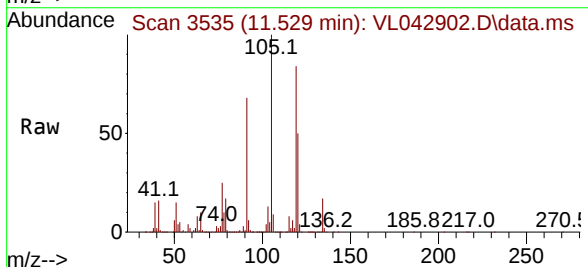
Ion Ratio Lower Upper

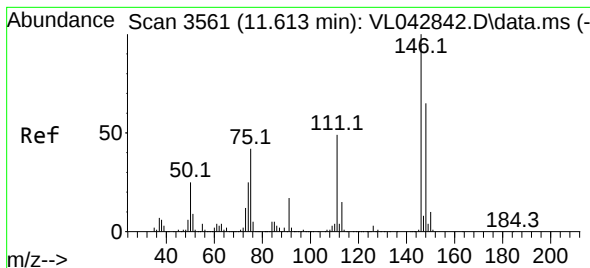
105 100

120 50.3 39.8 59.6

91 68.3 54.2 81.4

77 25.4 19.8 29.6





#75

1,3-Dichlorobenzene

Concen: 11.778 ppbv

RT: 11.600 min Scan# 3557

Delta R.T. 0.003 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Instrument :

MSVOA_L

ClientSampleId :

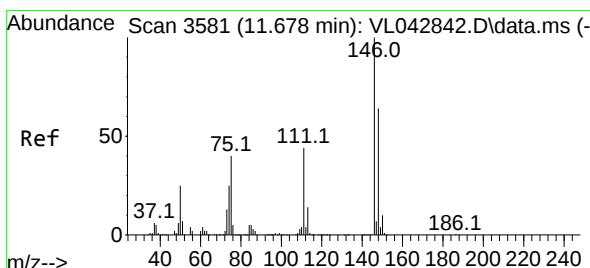
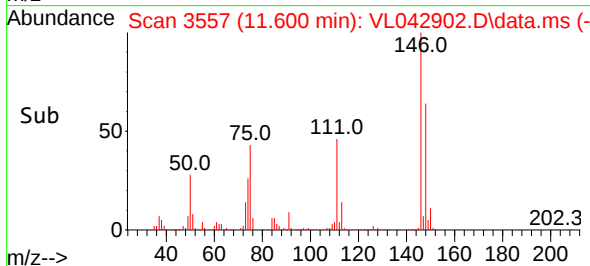
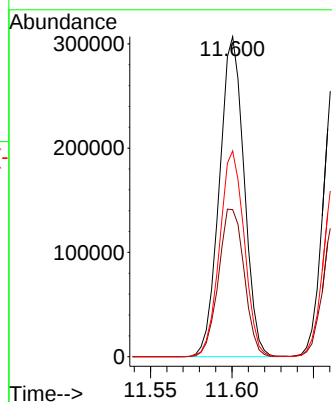
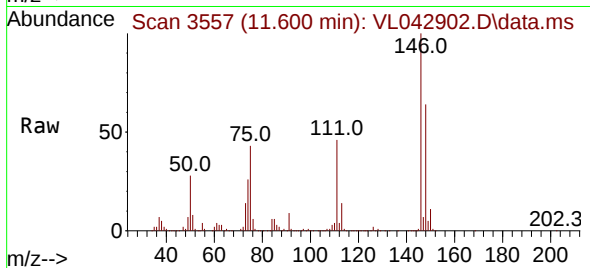
VL0908ABS01

Tgt Ion:	146	Resp:	322979
Ion Ratio	Lower	Upper	
146	100		
111	48.0	23.9	71.7
148	64.2	31.4	94.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#76

1,4-Dichlorobenzene

Concen: 11.563 ppbv

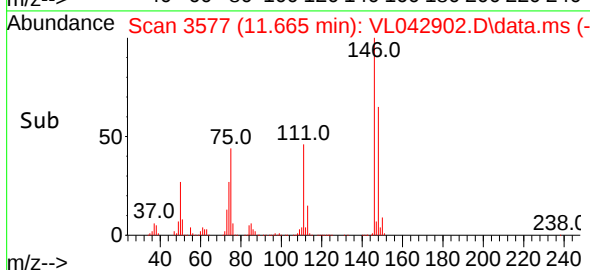
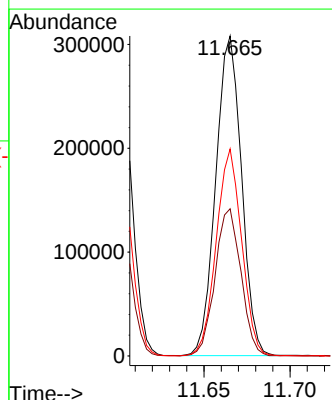
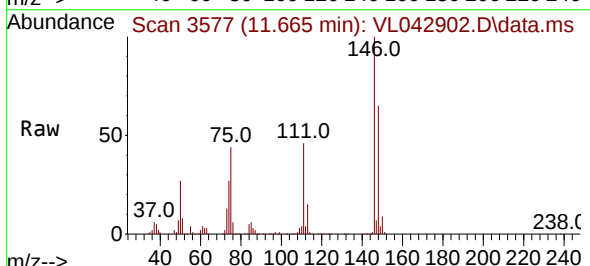
RT: 11.665 min Scan# 3577

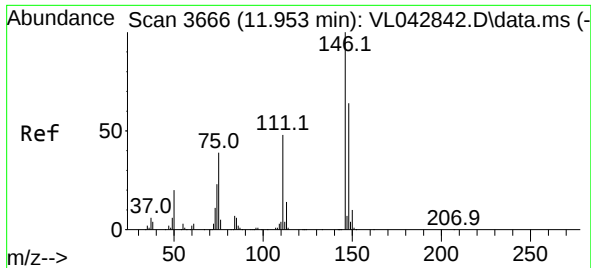
Delta R.T. 0.003 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Tgt Ion:	146	Resp:	320689
Ion Ratio	Lower	Upper	
146	100		
111	46.3	22.7	68.1
148	64.1	31.8	95.3





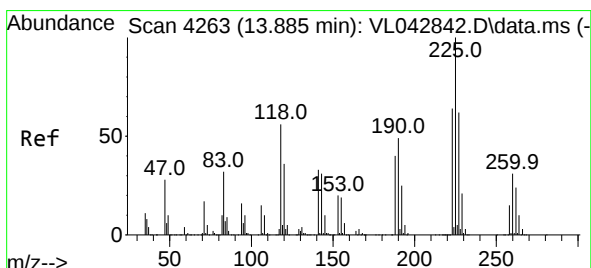
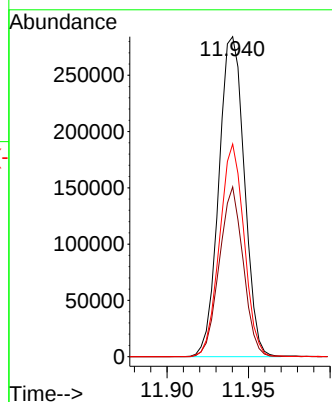
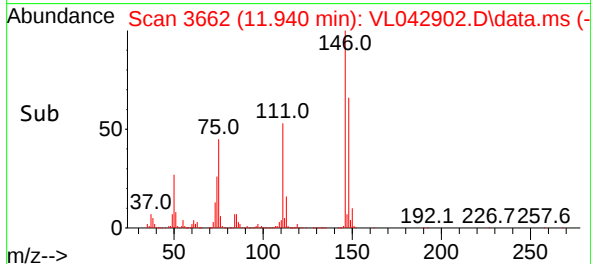
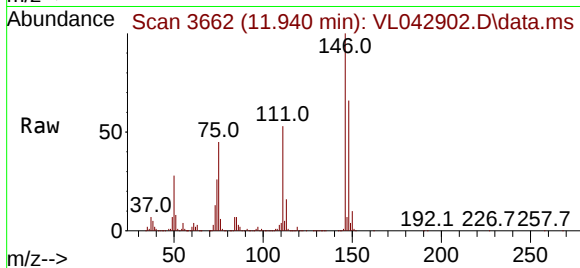
#77
1,2-Dichlorobenzene
Concen: 11.524 ppbv
RT: 11.940 min Scan# 30943
Delta R.T. -0.000 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion:146 Resp: 30943
Ion Ratio Lower Upper
146 100
111 49.7 24.6 74.0
148 63.7 32.0 96.0

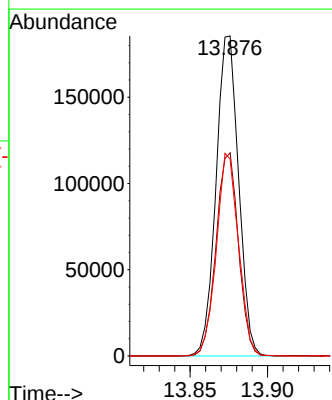
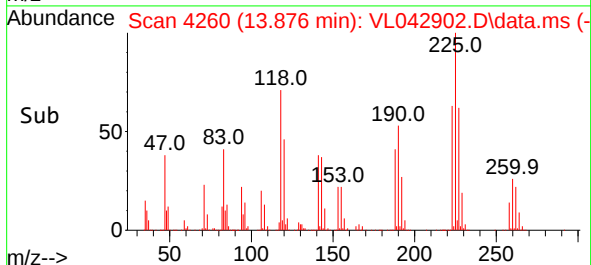
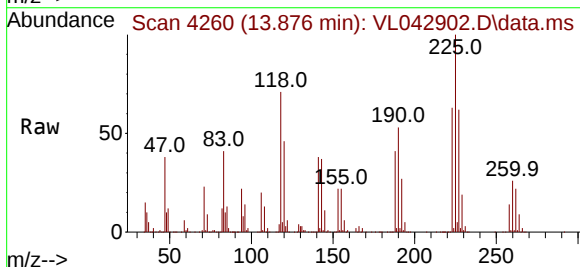
Manual Integrations
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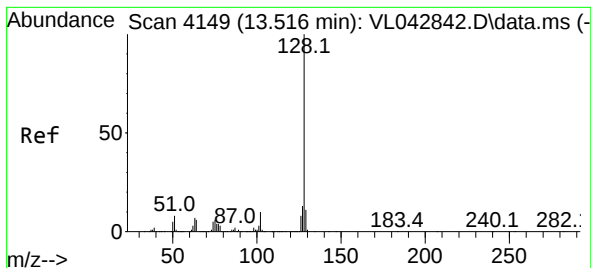
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#78
Hexachloro-1,3-Butadiene
Concen: 8.542 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. 0.003 min
Lab File: VL042902.D
Acq: 08 Sep 2025 13:35

Tgt Ion:225 Resp: 187990
Ion Ratio Lower Upper
225 100
223 63.0 51.4 77.2
227 62.1 51.9 77.9





#79

Naphthalene

Concen: 10.914 ppbv

RT: 13.507 min Scan# 4149

Delta R.T. 0.003 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABS01

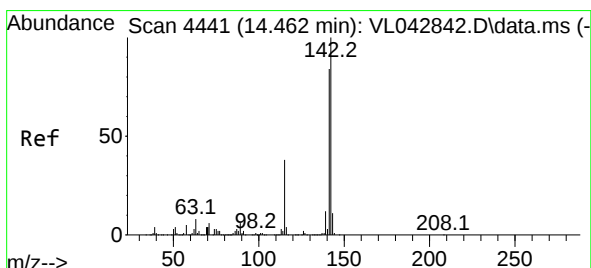
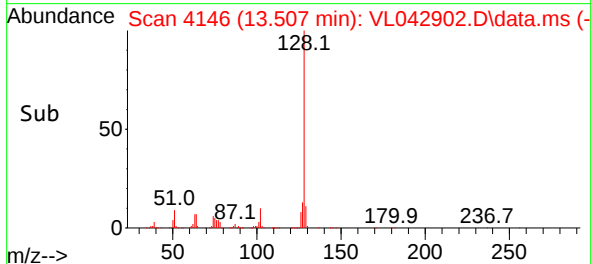
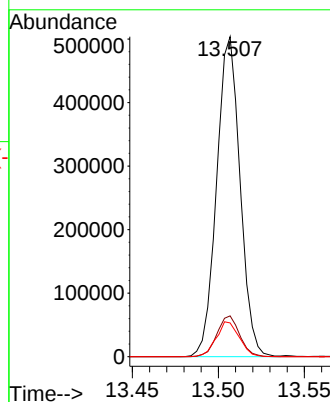
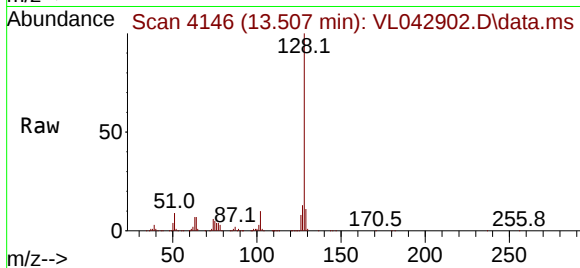
Tgt Ion:128 Resp: 47731

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.6	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#80

Naphthalene,2-methyl-

Concen: 8.713 ppbv

RT: 14.449 min Scan# 4437

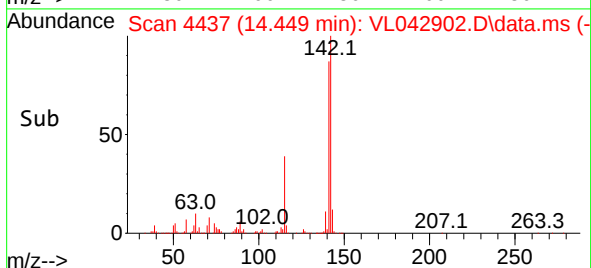
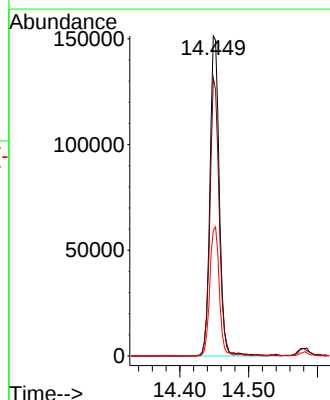
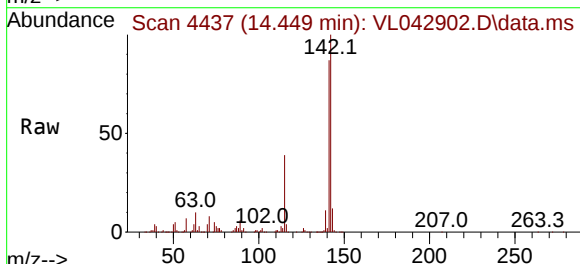
Delta R.T. -0.000 min

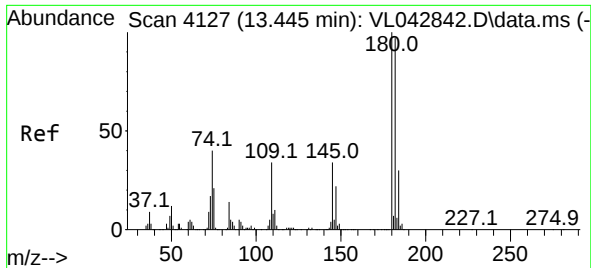
Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Tgt Ion:142 Resp: 142381

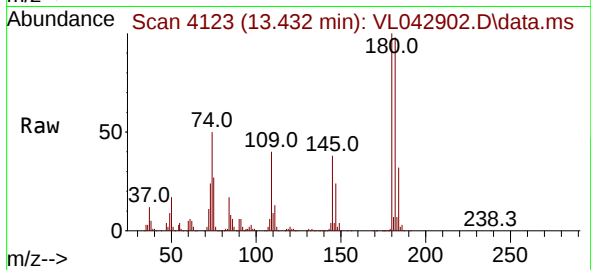
Ion	Ratio	Lower	Upper
142	100		
141	85.9	67.0	100.6
115	41.3	30.9	46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 10.401 ppbv
 RT: 13.432 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042902.D
 Acq: 08 Sep 2025 13:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01



Tgt Ion:180 Resp: 228630
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.9 115.3
 184 30.0 24.5 36.7

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025

