

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
 Data File : VL042943.D
 Acq On : 18 Sep 2025 12:49
 Operator : SY/MD
 Sample : VL0918ABS02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS02

Quant Time: Sep 19 01:24:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Sep 18 02:57:46 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/19/2025
 Supervised By : Mahesh Dadoda 09/24/2025

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

Internal Standards						
1) Bromochloromethane	2.787	49	157147	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	398112	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.889	117	342230	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.381	95	281987	10.542	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.400%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.499	85	221614	9.873	ppbv	98
3) Chlorodifluoromethane	1.477	51	237059	10.031	ppbv	100
4) Chloromethane	1.535	50	88001	9.755	ppbv	99
5) Vinyl Chloride	1.580	62	75659	8.890	ppbv	97
6) Bromomethane	1.668	94	28772	9.729	ppbv	93
7) Chloroethane	1.706	64	30707	9.796	ppbv	95
8) Dichlorotetrafluoroethane	1.554	85	173736	9.755	ppbv	99
9) Propene	1.483	41	87615	10.152	ppbv	99
10) Heptane	4.985	43	247851	11.590	ppbv	98
11) Trichlorofluoromethane	1.878	101	214280	9.663	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	167632	9.676	ppbv	100
13) Ethanol	1.723	45	7358	8.362	ppbv	95
14) Bromoethene	1.784	108	58670	9.506	ppbv	98
15) Acetone	1.836	43	164049	8.499	ppbv	100
16) 1,3-Butadiene	1.609	39	75881	9.398	ppbv	100
17) tert-Butyl alcohol	2.040	59	179502	9.658	ppbv	99
18) 1,1-Dichloroethene	2.037	96	75279	9.927	ppbv	94
19) Isopropyl Alcohol	1.888	45	99744	9.638	ppbv	100
20) Methylene Chloride	2.062	84	65464	7.790	ppbv	97
21) Allyl Chloride	2.098	41	125866	9.620	ppbv	99
22) trans-1,2-Dichloroethene	2.344	96	84718	9.856	ppbv	92
23) Vinyl Acetate	2.464	43	234952	10.476	ppbv	99
24) 1,1-Dichloroethane	2.412	63	167118	9.843	ppbv	99
25) Ethyl Acetate	2.836	43	445635	10.812	ppbv	100
26) Hexane	2.830	57	196952	11.134	ppbv	98
27) Carbon Disulfide	2.153	76	213020	9.764	ppbv	97
28) Methyl tert-Butyl Ether	2.441	73	92298	9.496	ppbv	99
29) Chloroform	2.849	83	291292	10.075	ppbv	96
30) Cyclohexane	3.862	84	156833	11.769	ppbv	99
31) cis-1,2-Dichloroethene	2.723	61	180628	10.459	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	268252	9.916	ppbv	99
34) 2-Butanone	2.558	43	275491	10.675	ppbv	99
35) Carbon Tetrachloride	3.765	117	278532	9.842	ppbv	99
36) Benzene	3.661	78	375346	10.809	ppbv	99
37) 1,2-Dichloroethane	3.221	62	218301	10.496	ppbv	99
38) Trichloroethene	4.551	130	165317	10.517	ppbv	97
39) 1,2-Dichloropropane	4.318	63	147865	10.536	ppbv	97
40) 1,4-Dioxane	4.584	88	57905	11.625	ppbv #	96
41) Tetrahydrofuran	3.056	42	150133	11.755	ppbv	100
42) Bromodichloromethane	4.493	83	311531	10.438	ppbv	97
43) Methyl Methacrylate	4.885	69	141275	12.151	ppbv	99
44) 2,2,4-Trimethylpentane	4.642	57	676730	11.684	ppbv	99
45) t-1,3-Dichloropropene	6.419	75	143251	11.685	ppbv	99

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Manual Integrations
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Reviewed By : Semsettin Yesilyurt 09/19/2025
 Supervised By : Mahesh Dadoda 09/24/2025

Quant Time: Sep 19 01:24:21 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M

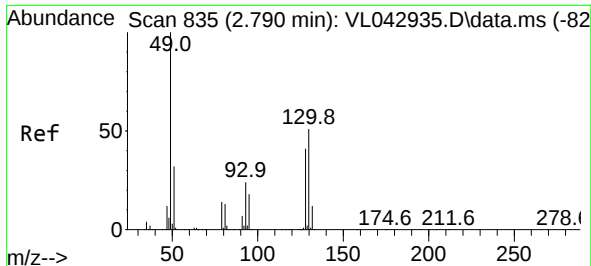
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Sep 18 02:57:46 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.607	75	192317	11.379	ppbv	97
47) 1,1,2-Trichloroethane	6.587	97	147521	10.309	ppbv	95
48) Dibromochloromethane	7.390	129	236633	10.558	ppbv	99
49) Bromoform	9.487	173	190569	10.894	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	383141	12.417	ppbv	100
51) 2-Hexanone	7.442	43	301477	13.156	ppbv	99
52) Tetrachloroethene	8.231	164	111470	10.410	ppbv	95
53) Toluene	6.940	91	405706	12.529	ppbv	99
54) 1,2-Dibromoethane	7.659	107	203289	11.043	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.927	131	180415	10.348	ppbv	99
57) Chlorobenzene	8.927	112	333331	10.538	ppbv	98
58) Ethyl Benzene	9.361	91	575762	13.059	ppbv	99
59) m/p-Xylene	9.555	91	960501m	25.779	ppbv	
60) o-Xylene	9.970	91	482682	13.030	ppbv	99
61) Styrene	9.876	104	188516	9.850	ppbv	99
62) Isopropylbenzene	10.542	105	675382	12.516	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	277312	10.363	ppbv	98
64) n-propylbenzene	10.992	120	175243	12.526	ppbv	99
65) tert-Butylbenzene	11.536	119	602619	13.069	ppbv	100
66) Benzyl Chloride	11.617	91	53684	12.529	ppbv	98
67) sec-Butylbenzene	11.769	105	880638	12.553	ppbv	100
69) p-Isopropyltoluene	11.928	119	706403	13.066	ppbv	99
70) n-Butylbenzene	12.284	91	758319	10.480	ppbv	100
71) 2-Chlorotoluene	10.905	91	513816	12.833	ppbv	99
72) 4-Ethyltoluene	11.128	105	573658	10.243	ppbv	100
73) 1,3,5-Trimethylbenzene	11.209	105	476027	12.989	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	547542	12.713	ppbv	92
75) 1,3-Dichlorobenzene	11.611	146	311816	11.420	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	307014	11.688	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	305054	11.073	ppbv	99
78) Hexachloro-1,3-Butadiene	13.883	225	179681	10.213	ppbv	100
79) Naphthalene	13.514	128	461409	10.182	ppbv	99
80) Naphthalene,2-methyl-	14.459	142	127799	9.012	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	219805	10.109	ppbv	99

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



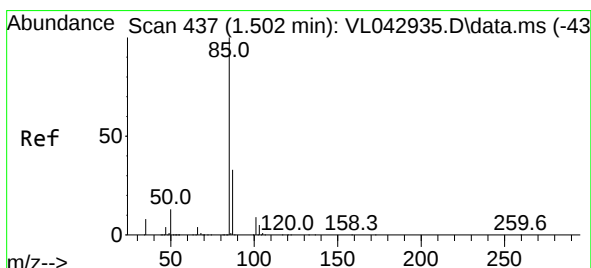
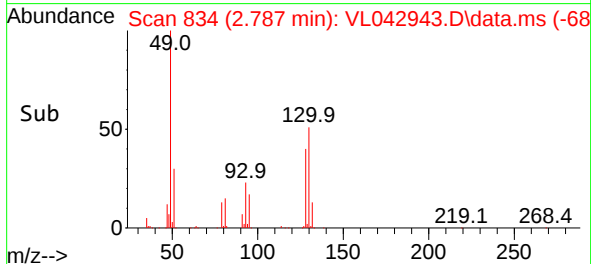
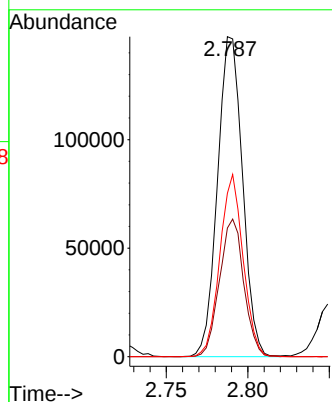
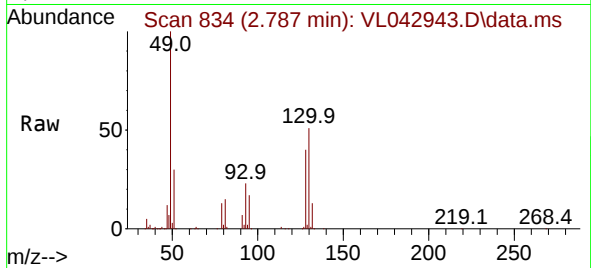
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02

Tgt Ion: 49 Resp: 15714
Ion Ratio Lower Upper
49 100
128 41.8 21.1 63.4
130 53.0 26.4 79.2

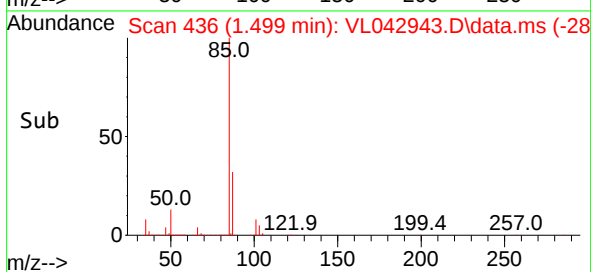
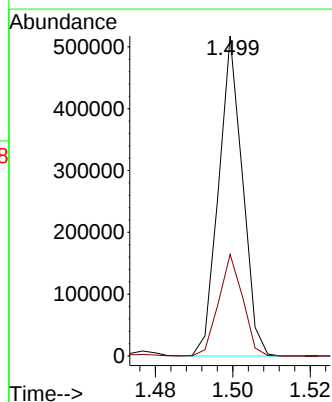
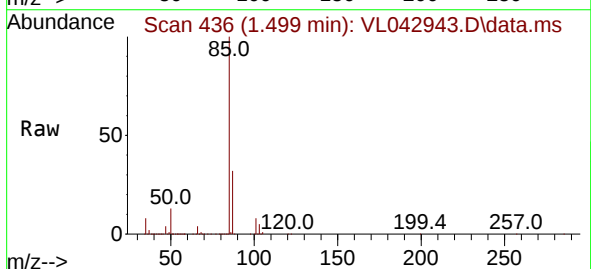
Manual Integrations
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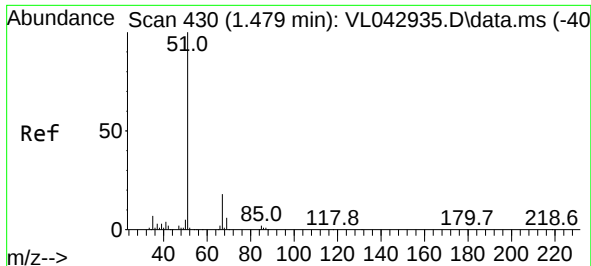
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#2
Dichlorodifluoromethane
Concen: 9.873 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

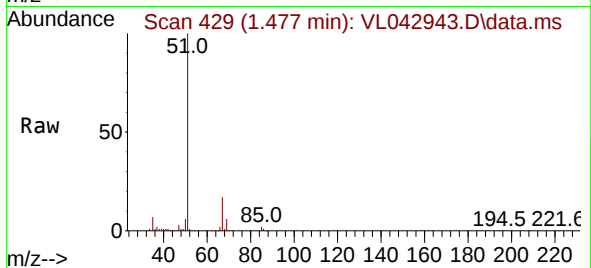
Tgt Ion: 85 Resp: 221614
Ion Ratio Lower Upper
85 100
87 31.7 26.1 39.1





#3
Chlorodifluoromethane
Concen: 10.031 ppbv
RT: 1.477 min Scan# 430
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

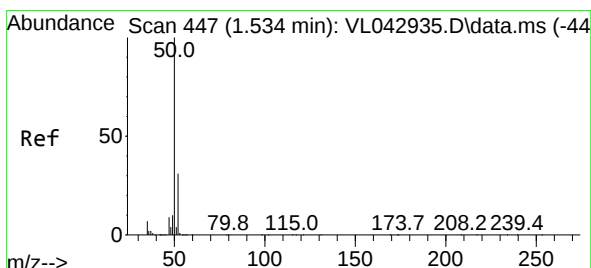
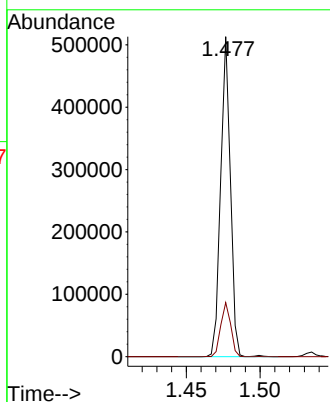
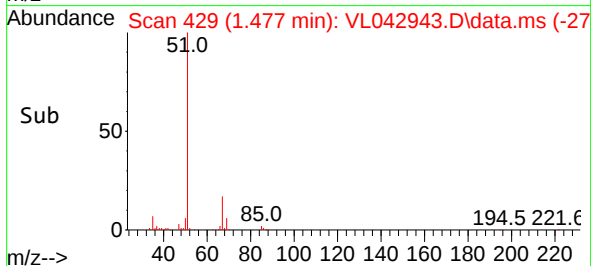
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02



Tgt Ion: 51 Resp: 237059
Ion Ratio Lower Upper
51 100
67 17.4 14.1 21.1

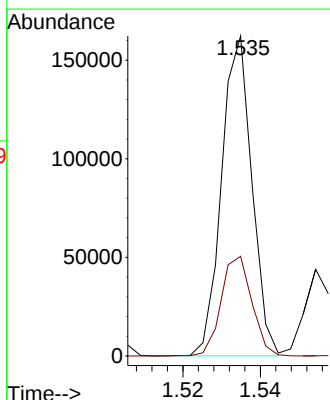
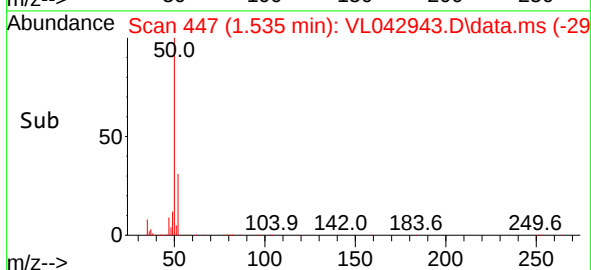
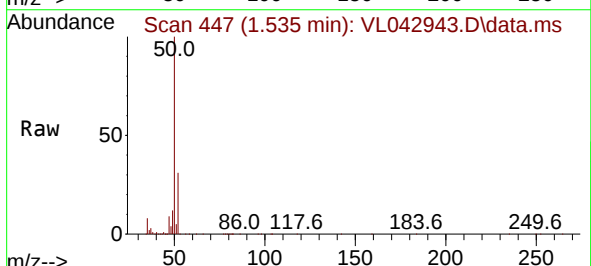
Manual Integrations
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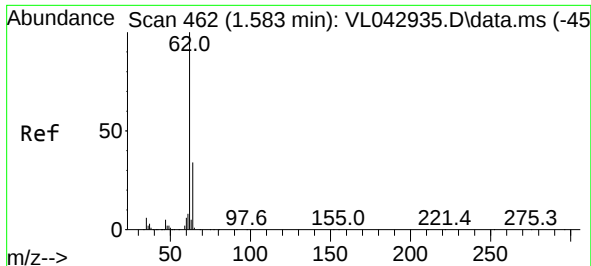
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#4
Chloromethane
Concen: 9.755 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

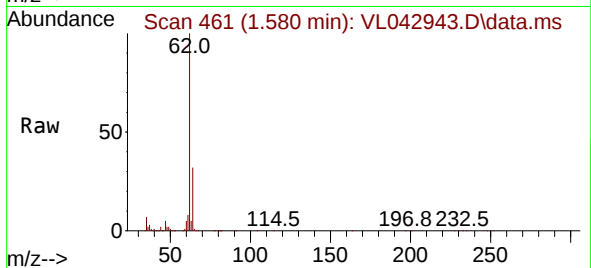
Tgt Ion: 50 Resp: 88001
Ion Ratio Lower Upper
50 100
52 31.1 24.6 36.8





#5
 Vinyl Chloride
 Concen: 8.890 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.003 min
 Lab File: VL042943.D
 Acq: 18 Sep 2025 12:49

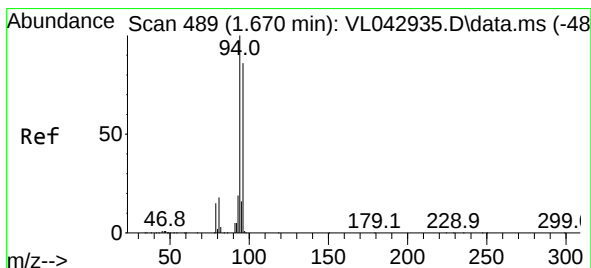
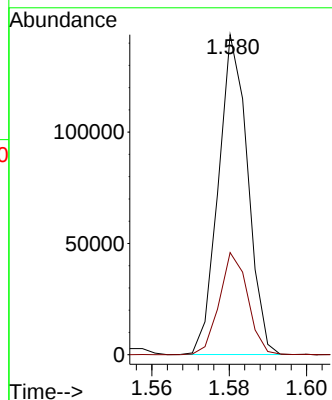
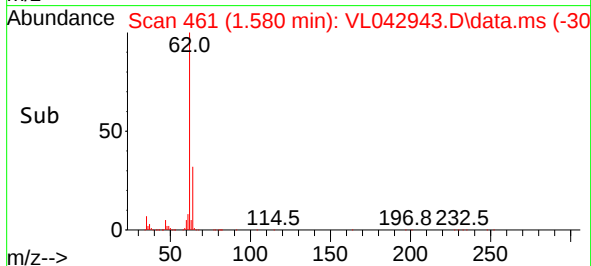
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS02



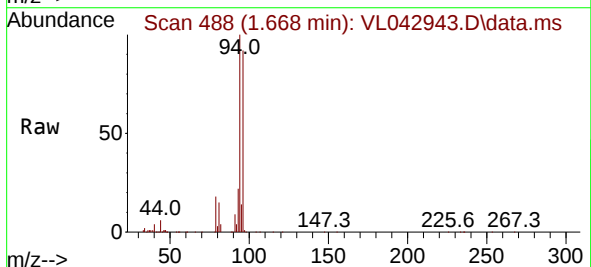
Tgt Ion: 62 Resp: 75659
 Ion Ratio Lower Upper
 62 100
 64 31.9 27.0 40.6

Manual Integrations
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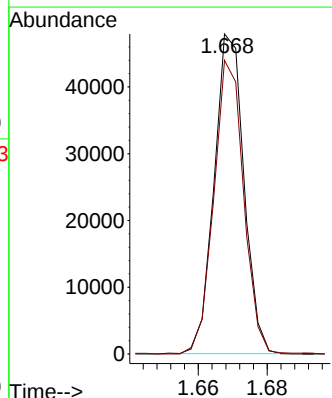
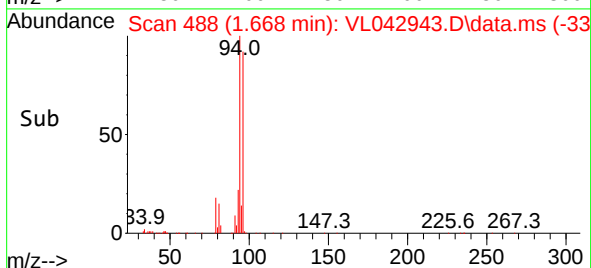
Reviewed By :Semsettin Yesilyurt 09/19/2025
 Supervised By :Mahesh Dadoda 09/24/2025

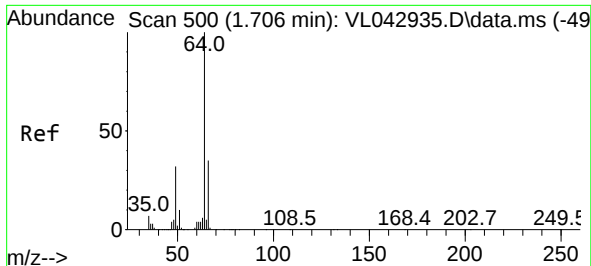


#6
 Bromomethane
 Concen: 9.729 ppbv
 RT: 1.668 min Scan# 488
 Delta R.T. -0.003 min
 Lab File: VL042943.D
 Acq: 18 Sep 2025 12:49



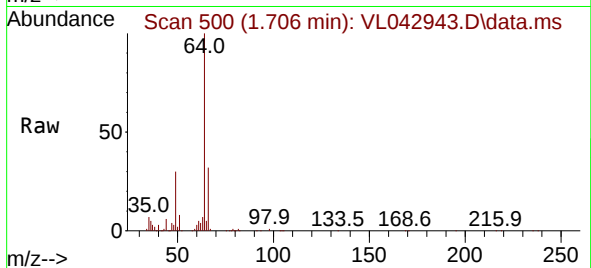
Tgt Ion: 94 Resp: 28772
 Ion Ratio Lower Upper
 94 100
 96 91.9 68.6 103.0





#7
Chloroethane
Concen: 9.796 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

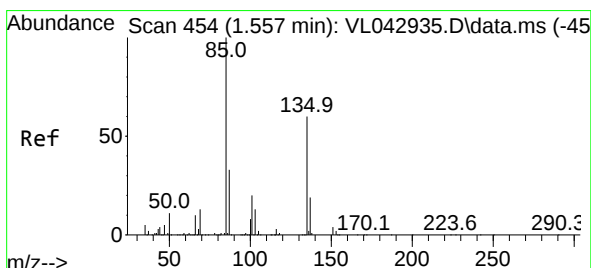
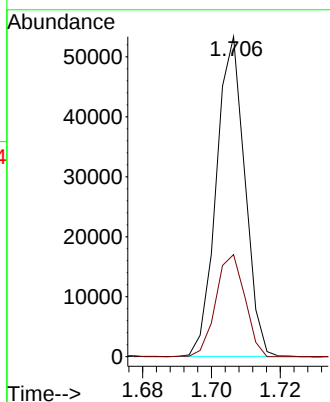
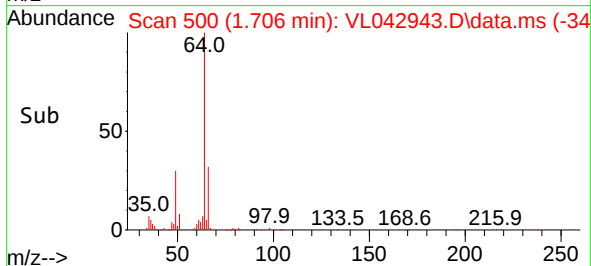
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02



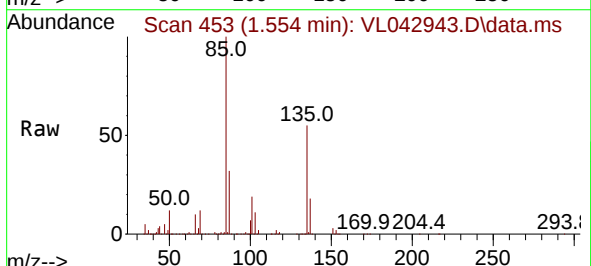
Tgt Ion: 64 Resp: 3070
Ion Ratio Lower Upper
64 100
66 31.9 27.9 41.9

Manual Integrations
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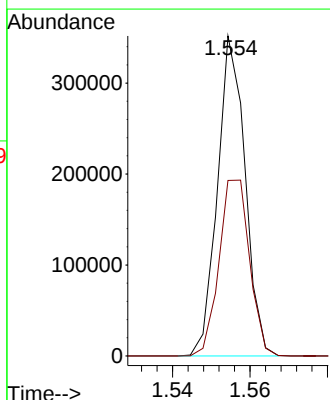
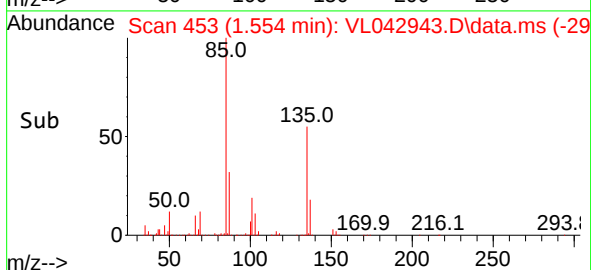
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025

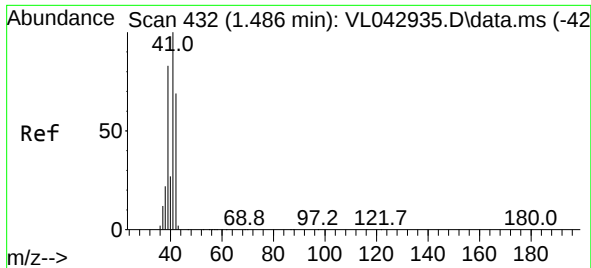


#8
Dichlorotetrafluoroethane
Concen: 9.755 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49



Tgt Ion: 85 Resp: 173736
Ion Ratio Lower Upper
85 100
135 61.1 48.1 72.1





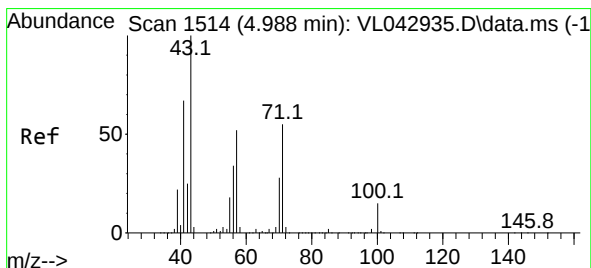
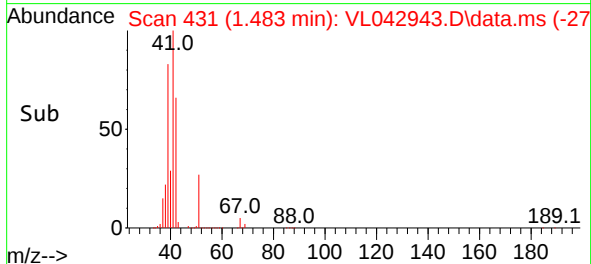
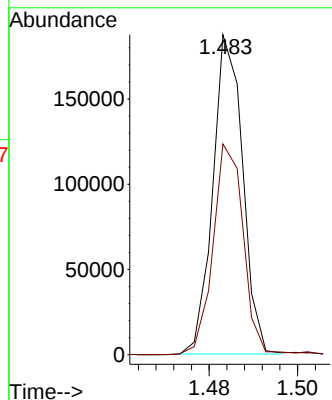
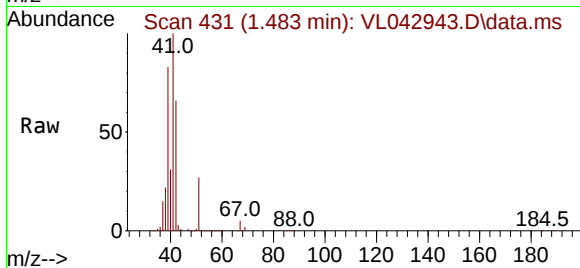
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 Propene
 Concen: 10.152 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042943.D
 Acq: 18 Sep 2025 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS02

Tgt Ion: 41 Resp: 87615
 Ion Ratio Lower Upper
 41 100
 42 67.8 55.0 82.4

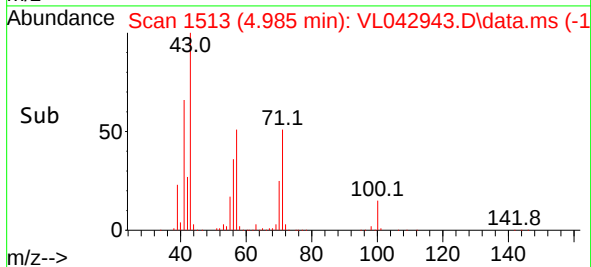
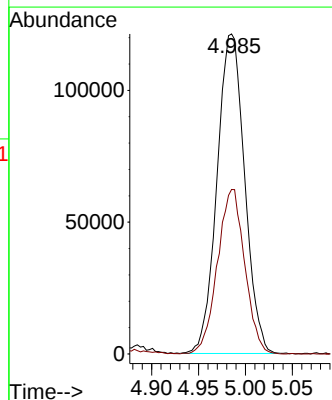
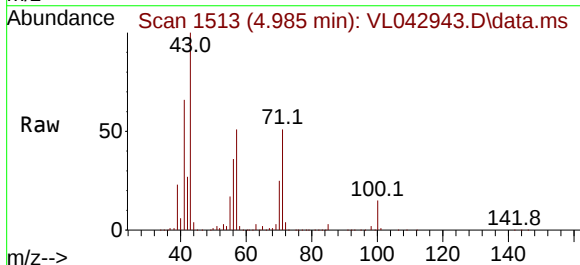
Manual Integrations
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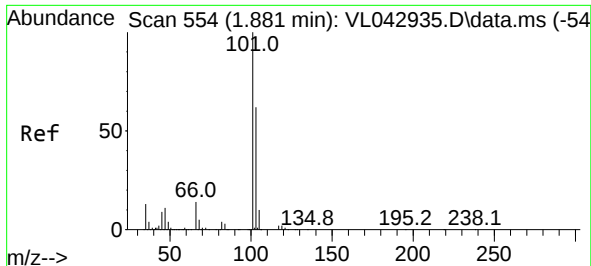
Reviewed By :Semsettin Yesilyurt 09/19/2025
 Supervised By :Mahesh Dadoda 09/24/2025



#10
 Heptane
 Concen: 11.590 ppbv
 RT: 4.985 min Scan# 1513
 Delta R.T. -0.003 min
 Lab File: VL042943.D
 Acq: 18 Sep 2025 12:49

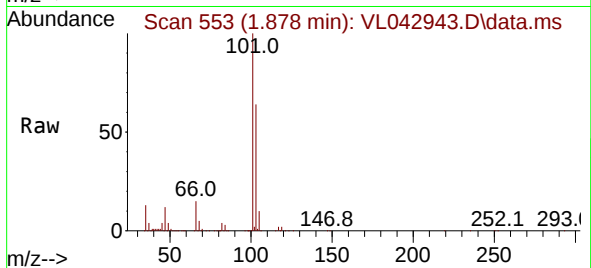
Tgt Ion: 43 Resp: 247851
 Ion Ratio Lower Upper
 43 100
 57 51.0 39.8 59.8





#11
 Trichlorofluoromethane
 Concen: 9.663 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042943.D
 Acq: 18 Sep 2025 12:49

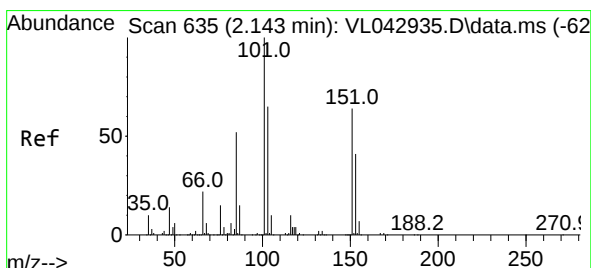
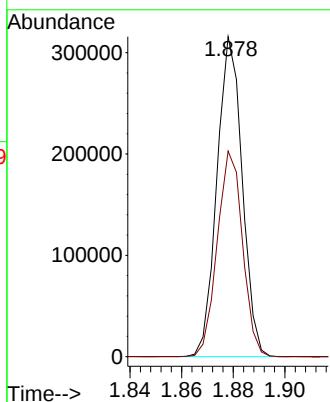
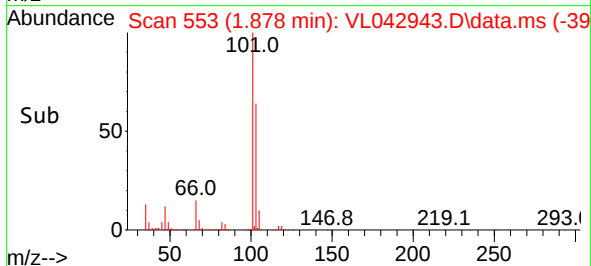
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS02



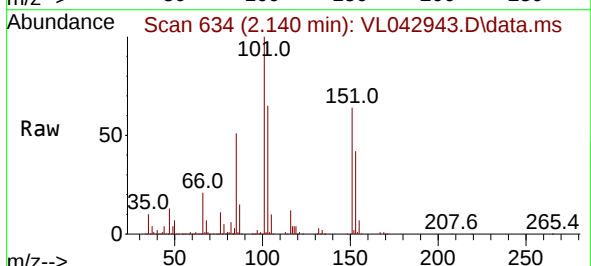
Tgt Ion:101 Resp: 214280
 Ion Ratio Lower Upper
 101 100
 103 64.2 49.6 74.4

Manual Integrations
 APPROVED

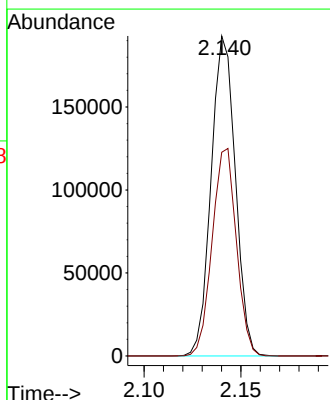
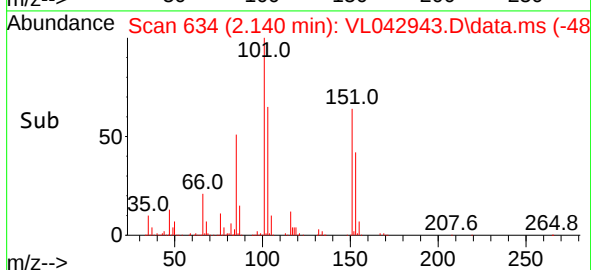
Reviewed By :Semsettin Yesilyurt 09/19/2025
 Supervised By :Mahesh Dadoda 09/24/2025

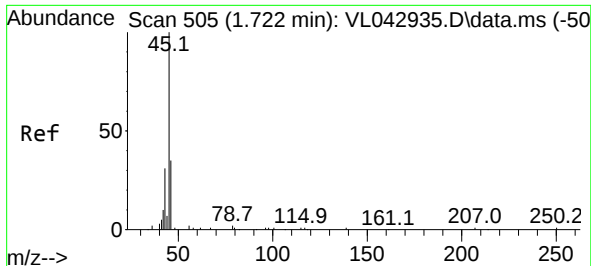


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.676 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.003 min
 Lab File: VL042943.D
 Acq: 18 Sep 2025 12:49



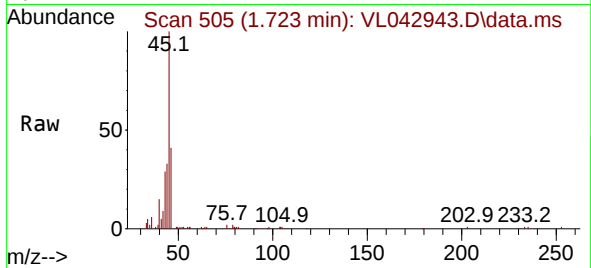
Tgt Ion:101 Resp: 167632
 Ion Ratio Lower Upper
 101 100
 151 64.9 51.9 77.9





#13
Ethanol
Concen: 8.362 ppbv
RT: 1.723 min Scan# 505
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

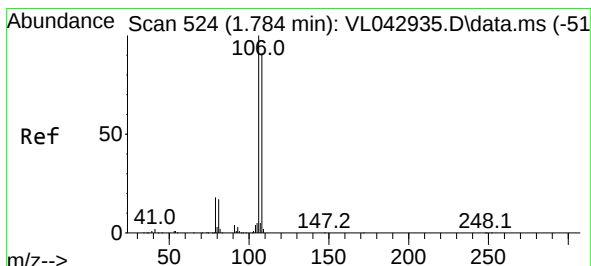
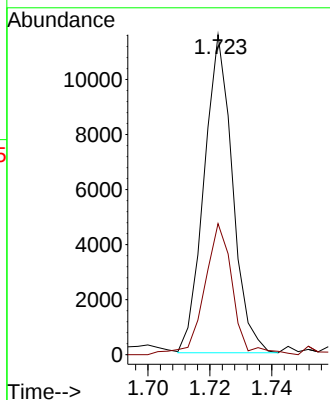
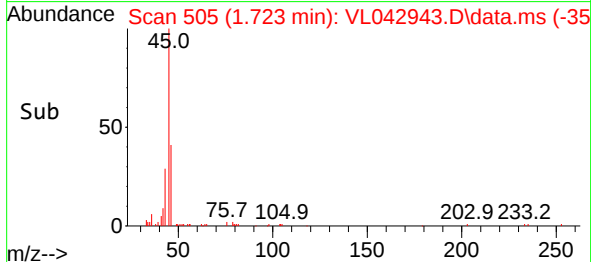
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02



Tgt Ion: 45 Resp: 7358
Ion Ratio Lower Upper
45 100
46 44.2 16.5 66.1

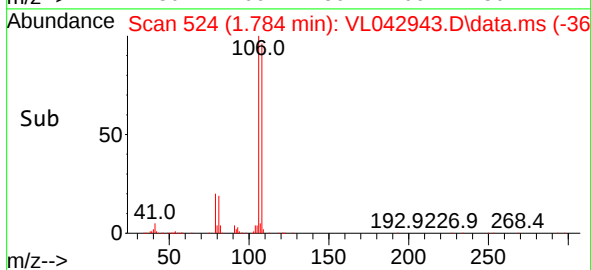
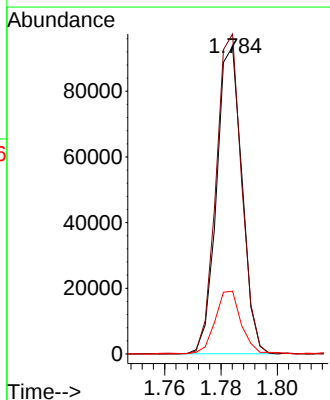
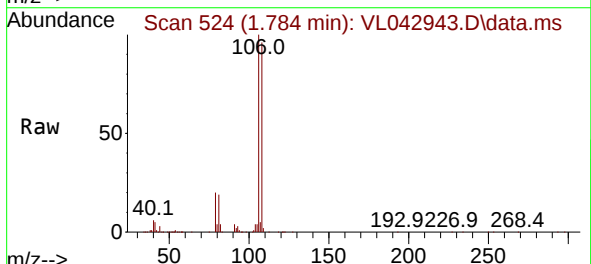
Manual Integrations
APPROVED

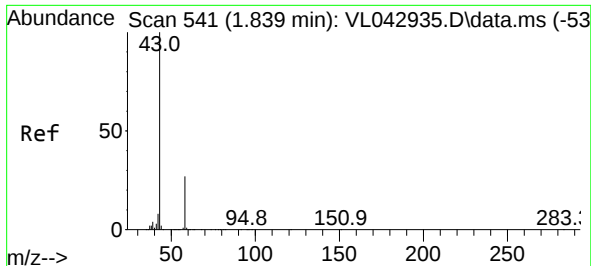
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#14
Bromoethene
Concen: 9.506 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

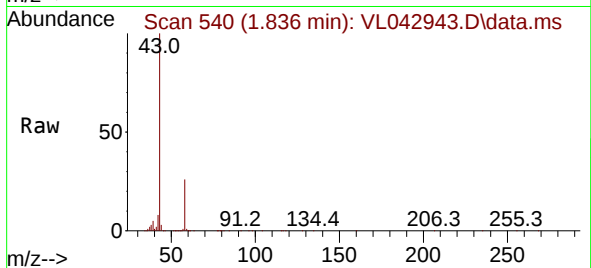
Tgt Ion:108 Resp: 58670
Ion Ratio Lower Upper
108 100
106 104.5 86.0 129.0
79 21.3 17.2 25.8





#15
Acetone
Concen: 8.499 ppbv
RT: 1.836 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

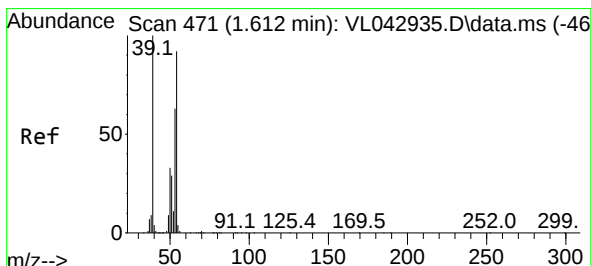
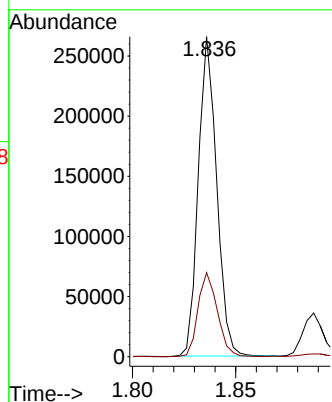
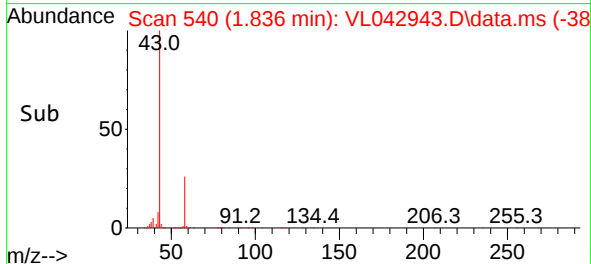
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02



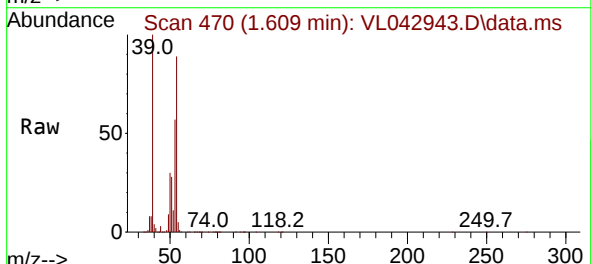
Tgt Ion: 43 Resp: 164049
Ion Ratio Lower Upper
43 100
58 27.8 22.2 33.2

Manual Integrations
APPROVED

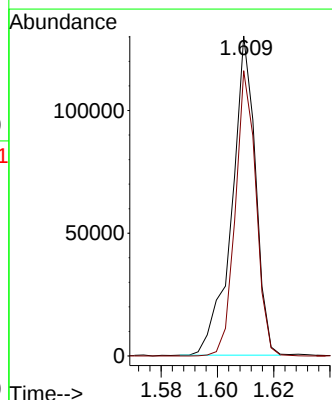
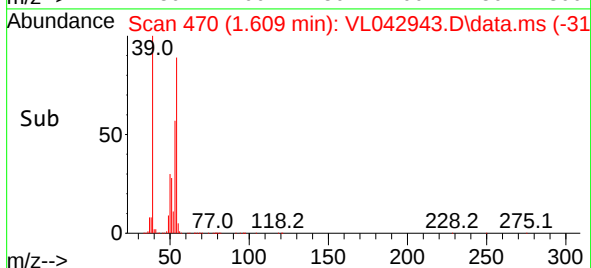
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025

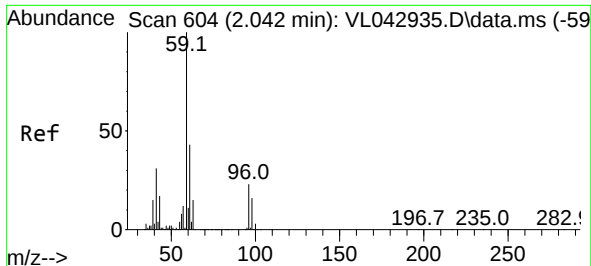


#16
1,3-Butadiene
Concen: 9.398 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49



Tgt Ion: 39 Resp: 75881
Ion Ratio Lower Upper
39 100
54 78.1 62.2 93.4





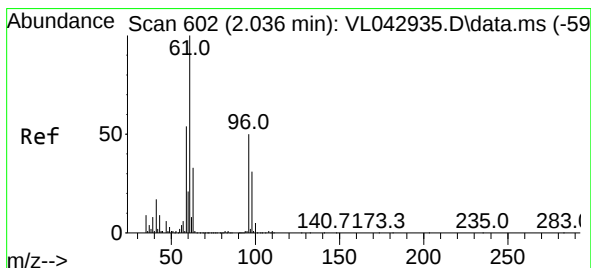
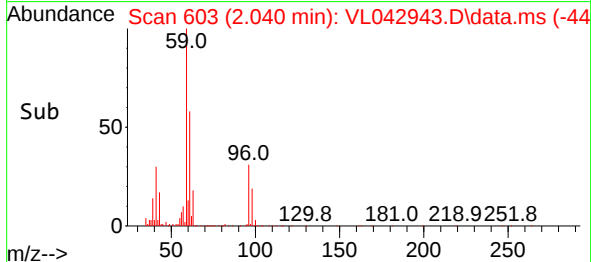
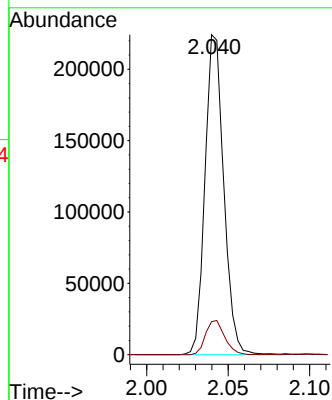
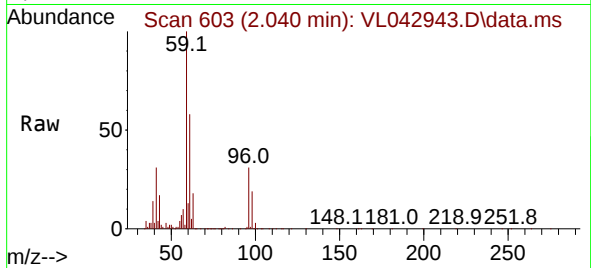
#17
tert-Butyl alcohol
Concen: 9.658 ppbv
RT: 2.040 min Scan# 604
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02

Tgt Ion: 59 Resp: 179502
Ion Ratio Lower Upper
59 100
57 10.9 9.0 13.6

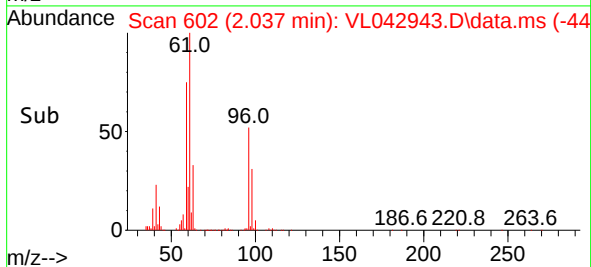
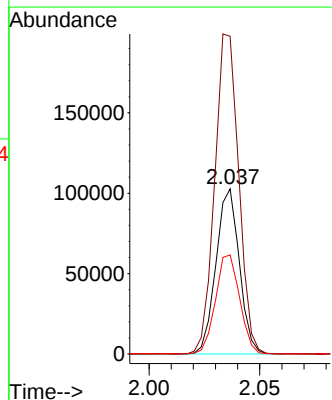
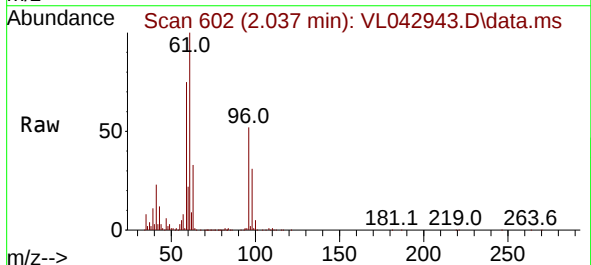
Manual Integrations
APPROVED

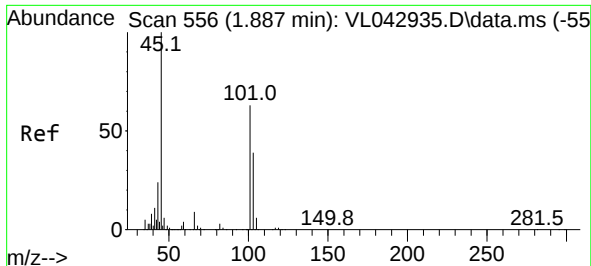
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#18
1,1-Dichloroethene
Concen: 9.927 ppbv
RT: 2.037 min Scan# 602
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Tgt Ion: 96 Resp: 75279
Ion Ratio Lower Upper
96 100
61 192.5 161.1 241.7
98 59.8 50.7 76.1





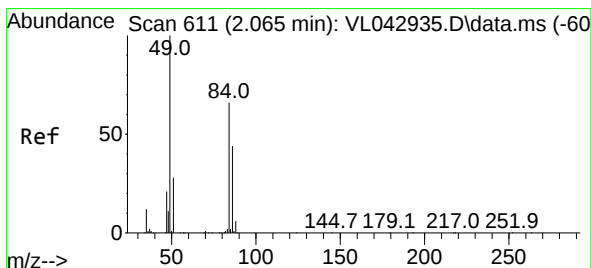
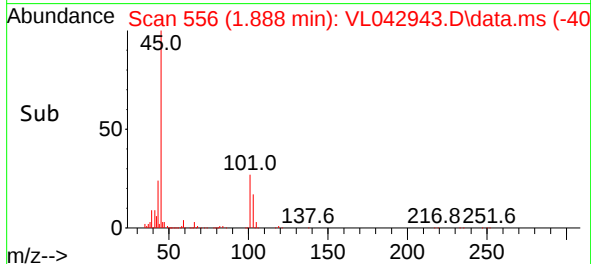
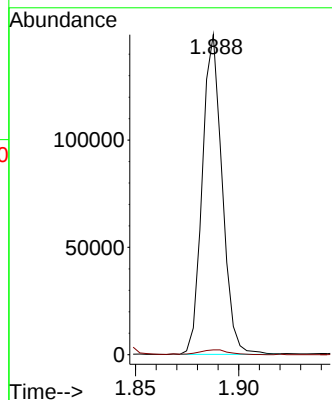
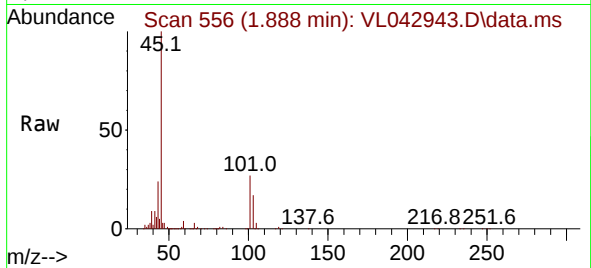
#19
Isopropyl Alcohol
Concen: 9.638 ppbv
RT: 1.888 min Scan# 51
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02

Tgt Ion: 45 Resp: 99744
Ion Ratio Lower Upper
45 100
58 2.4 2.0 3.0

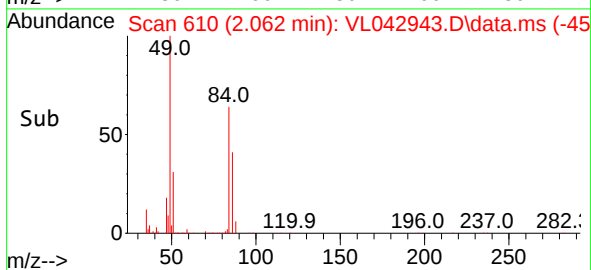
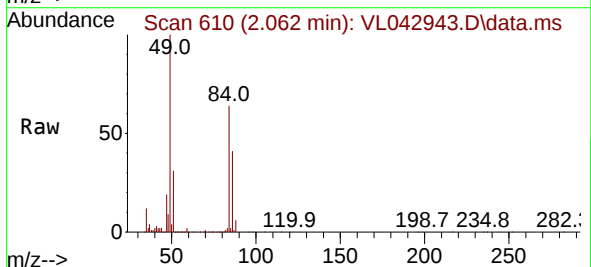
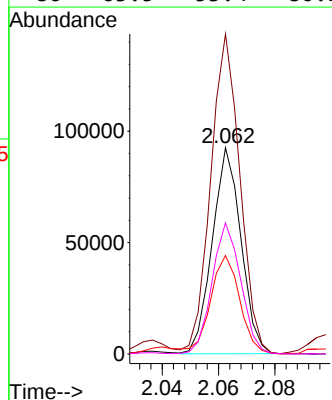
Manual Integrations
APPROVED

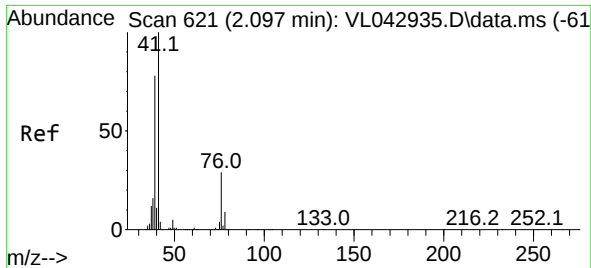
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#20
Methylene Chloride
Concen: 7.790 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Tgt Ion: 84 Resp: 65464
Ion Ratio Lower Upper
84 100
49 155.3 121.8 182.6
51 47.8 35.6 53.4
86 63.5 53.4 80.2





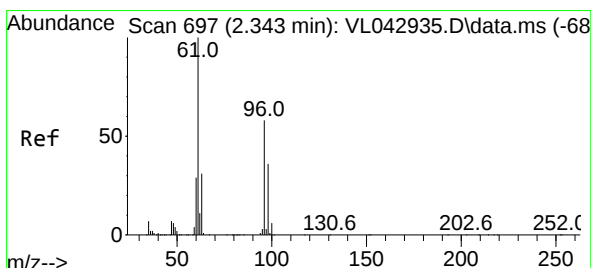
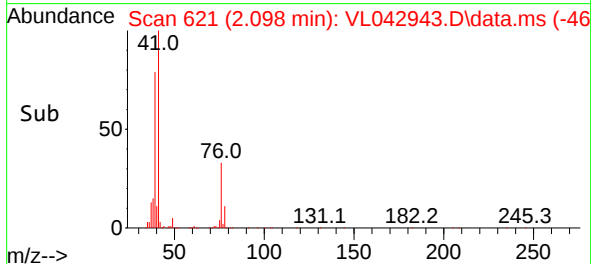
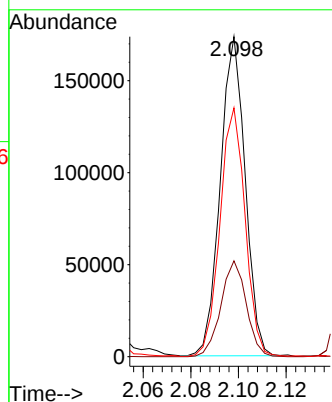
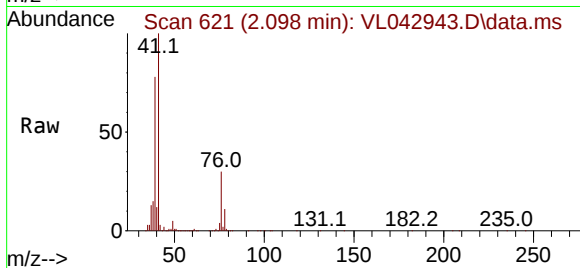
#21
 Allyl Chloride
 Concen: 9.620 ppbv
 RT: 2.098 min Scan# 612
 Delta R.T. 0.001 min
 Lab File: VL042943.D
 Acq: 18 Sep 2025 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS02

Tgt Ion: 41 Resp: 125860
 Ion Ratio Lower Upper
 41 100
 76 30.6 23.8 35.6
 39 78.4 63.2 94.8

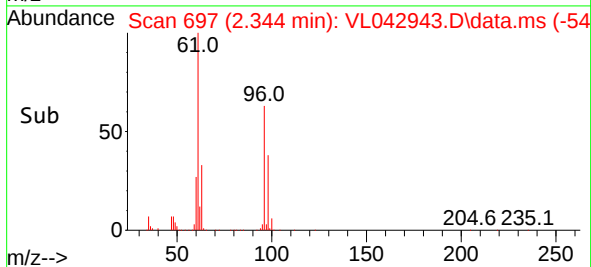
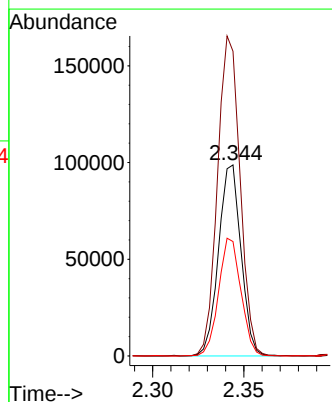
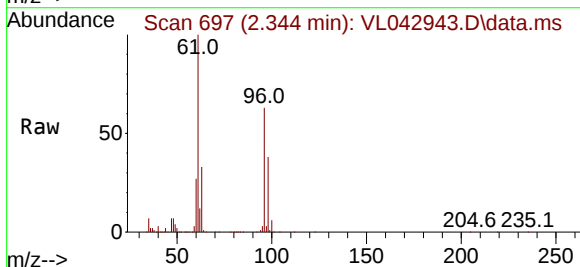
Manual Integrations
 APPROVED

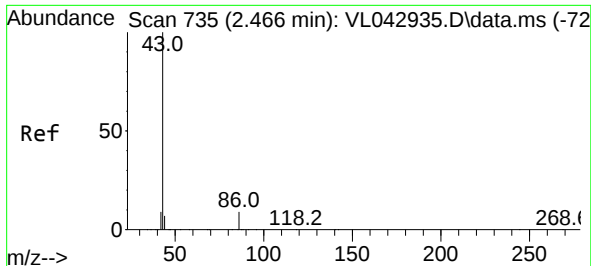
Reviewed By :Semsettin Yesilyurt 09/19/2025
 Supervised By :Mahesh Dadoda 09/24/2025



#22
 trans-1,2-Dichloroethene
 Concen: 9.856 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.001 min
 Lab File: VL042943.D
 Acq: 18 Sep 2025 12:49

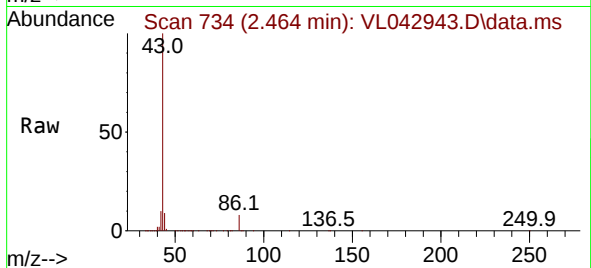
Tgt Ion: 96 Resp: 84718
 Ion Ratio Lower Upper
 96 100
 61 159.4 139.0 208.6
 98 59.8 49.4 74.2





#23
 Vinyl Acetate
 Concen: 10.476 ppbv
 RT: 2.464 min Scan# 718
 Delta R.T. -0.003 min
 Lab File: VL042943.D
 Acq: 18 Sep 2025 12:49

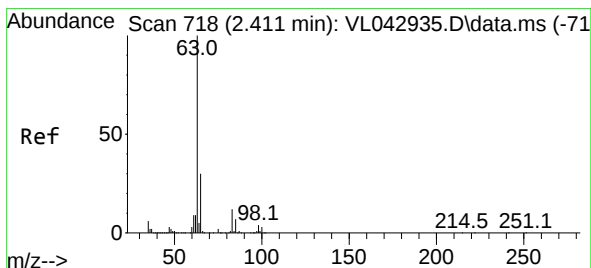
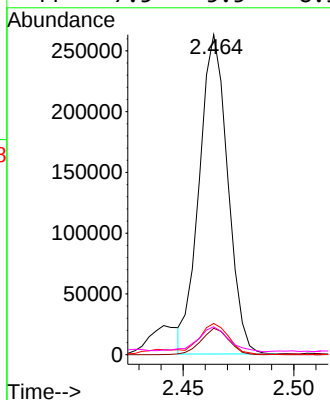
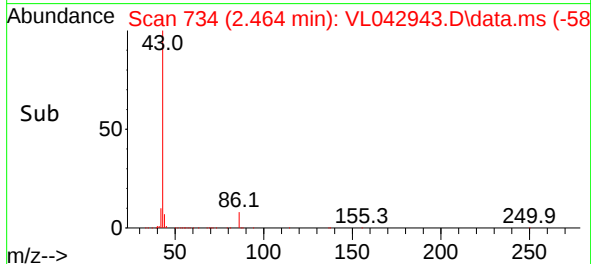
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS02



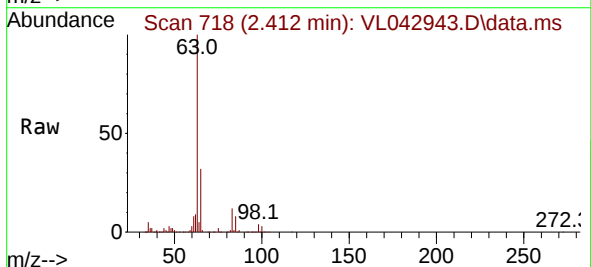
Tgt Ion:	43	Resp:	23495
Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.4	9.6
42	9.6	7.5	11.3
44	7.5	5.5	8.3

Manual Integrations
 APPROVED

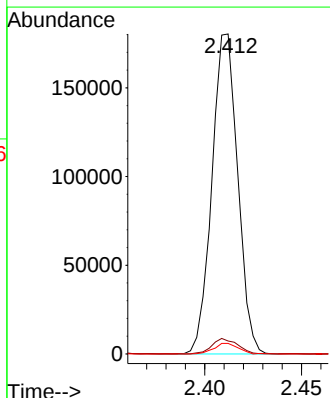
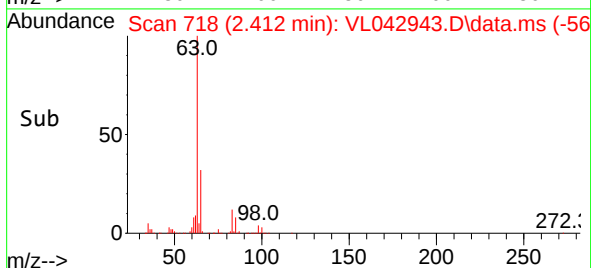
Reviewed By :Semsettin Yesilyurt 09/19/2025
 Supervised By :Mahesh Dadoda 09/24/2025

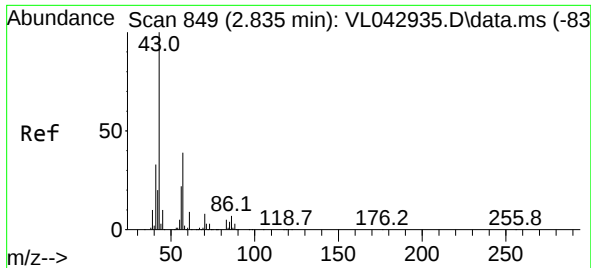


#24
 1,1-Dichloroethane
 Concen: 9.843 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.001 min
 Lab File: VL042943.D
 Acq: 18 Sep 2025 12:49



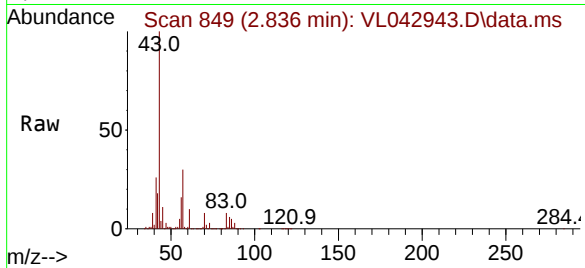
Tgt Ion:	63	Resp:	167118
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.2	6.6
100	3.3	1.7	5.1





#25
Ethyl Acetate
Concen: 10.812 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

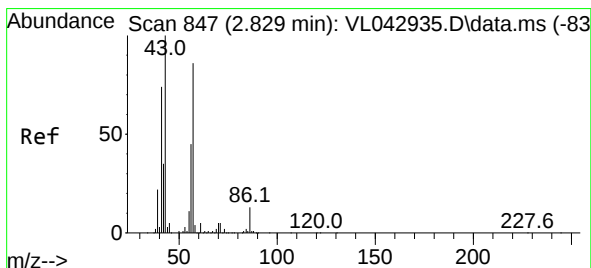
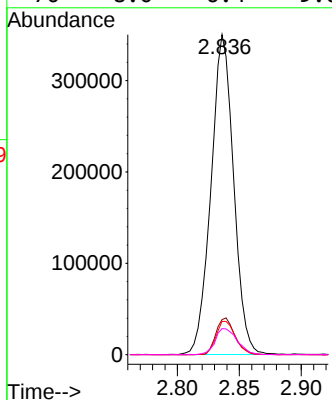
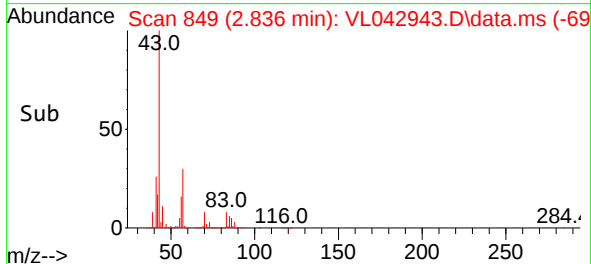
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02



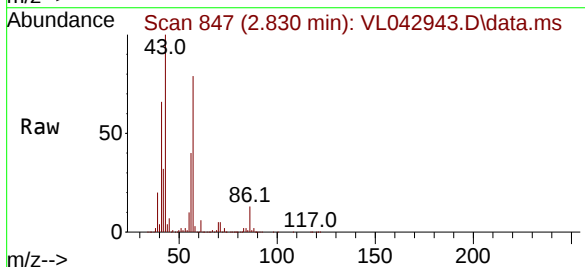
Tgt Ion: 43 Resp: 445639
Ion Ratio Lower Upper
43 100
45 9.7 7.8 11.8
61 9.0 7.2 10.8
70 8.0 6.4 9.6

Manual Integrations
APPROVED

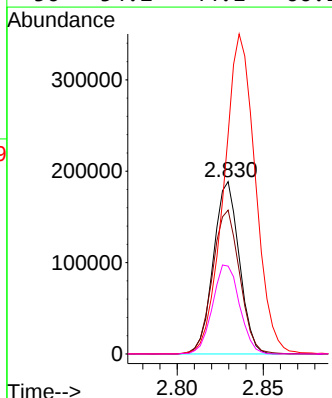
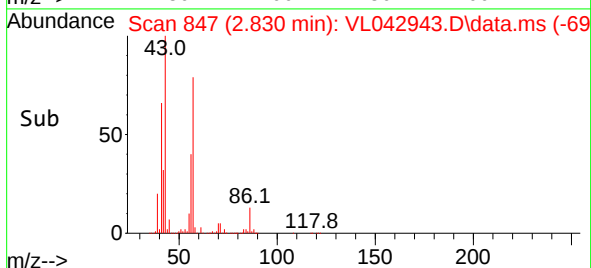
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025

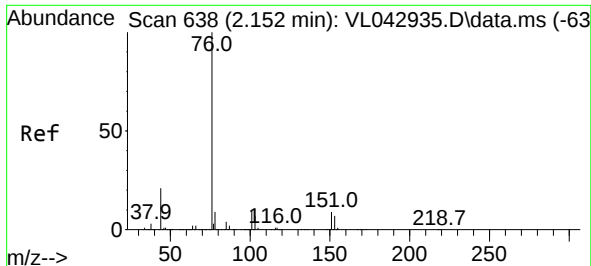


#26
Hexane
Concen: 11.134 ppbv
RT: 2.830 min Scan# 847
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49



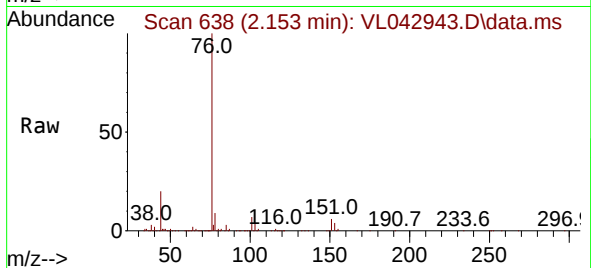
Tgt Ion: 57 Resp: 196952
Ion Ratio Lower Upper
57 100
41 88.8 71.3 106.9
43 226.6 183.9 275.9
56 54.2 44.1 66.1





#27
Carbon Disulfide
Concen: 9.764 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

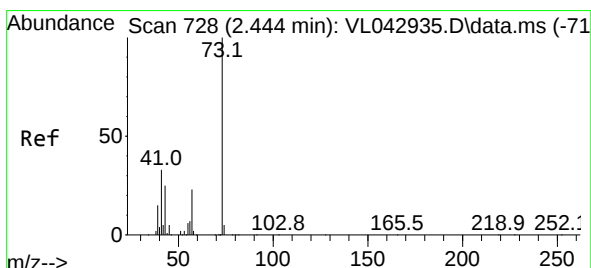
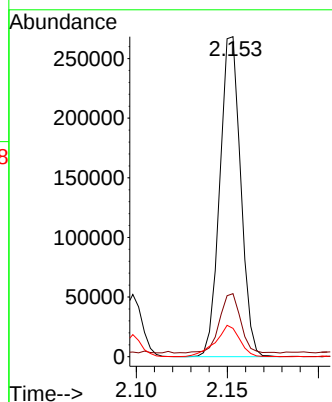
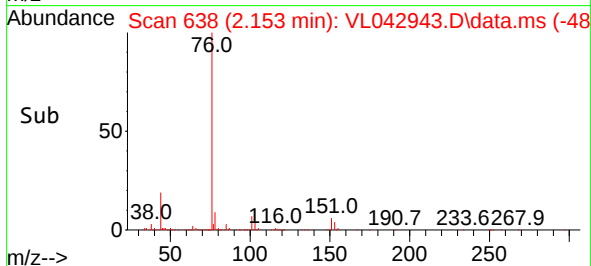
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02



Tgt Ion: 76 Resp: 213020
Ion Ratio Lower Upper
76 100
44 21.2 15.4 23.0
78 11.4 9.1 13.7

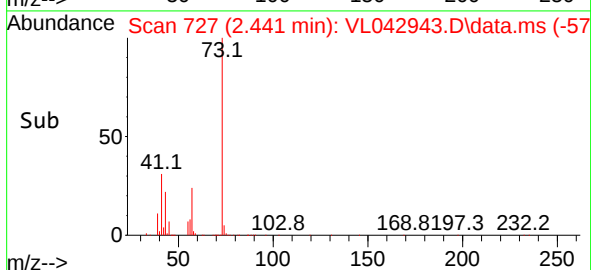
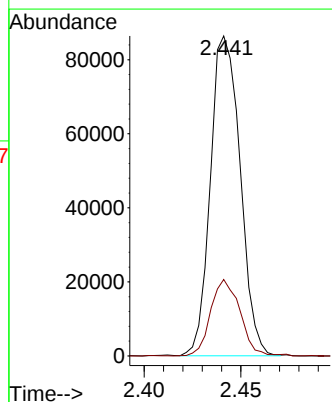
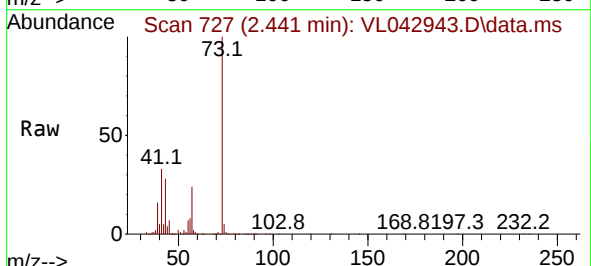
Manual Integrations
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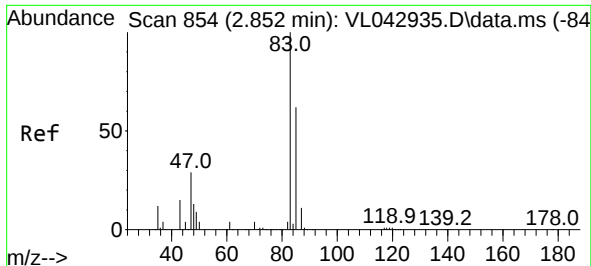
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#28
Methyl tert-Butyl Ether
Concen: 9.496 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Tgt Ion: 73 Resp: 92298
Ion Ratio Lower Upper
73 100
57 23.8 18.6 28.0





#29

Chloroform

Concen: 10.075 ppbv

RT: 2.849 min Scan# 853

Delta R.T. -0.003 min

Lab File: VL042943.D

Acq: 18 Sep 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS02

Tgt Ion: 83 Resp: 291292

Ion Ratio Lower Upper

83 100

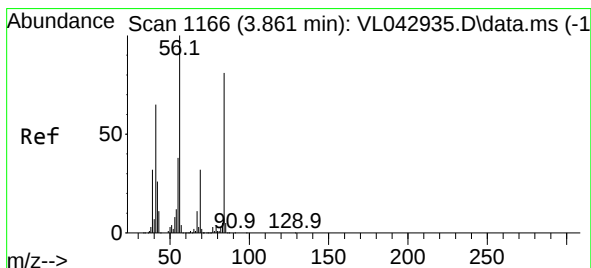
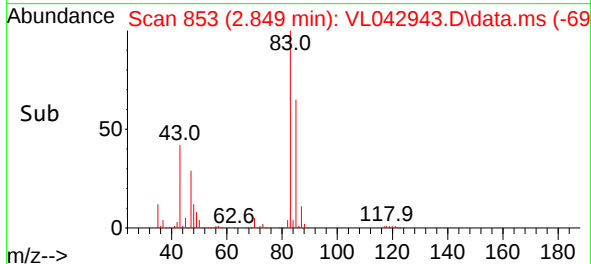
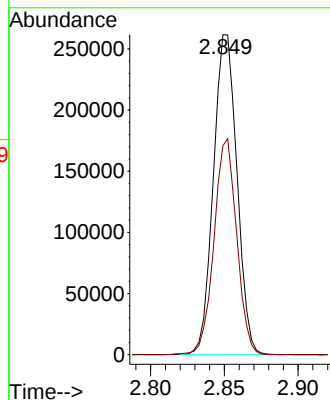
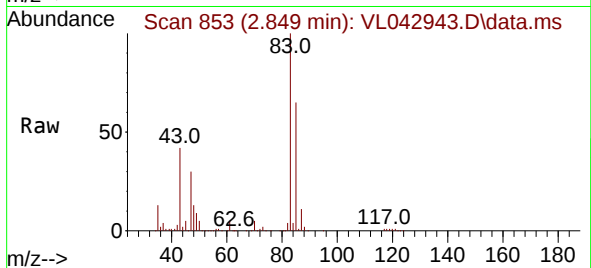
85 65.3 49.7 74.5

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Reviewed By :Semsettin Yesilyurt 09/19/2025

Supervised By :Mahesh Dadoda 09/24/2025



#30

Cyclohexane

Concen: 11.769 ppbv

RT: 3.862 min Scan# 1166

Delta R.T. 0.001 min

Lab File: VL042943.D

Acq: 18 Sep 2025 12:49

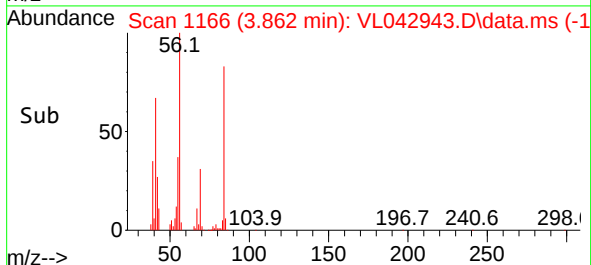
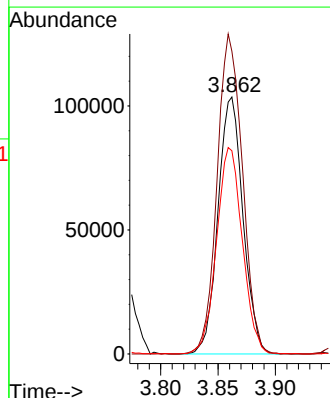
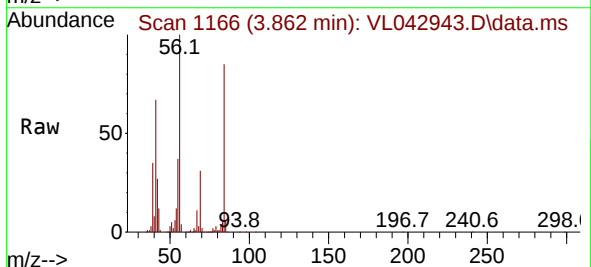
Tgt Ion: 84 Resp: 156833

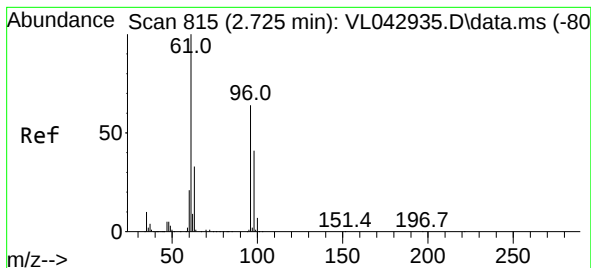
Ion Ratio Lower Upper

84 100

56 126.4 100.6 150.8

41 83.1 65.4 98.0





#31

cis-1,2-Dichloroethene

Concen: 10.459 ppbv

RT: 2.723 min Scan# 815

Delta R.T. -0.003 min

Lab File: VL042943.D

Acq: 18 Sep 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS02

Tgt Ion: 61 Resp: 180628

Ion Ratio Lower Upper

61 100

96 66.4 51.4 77.2

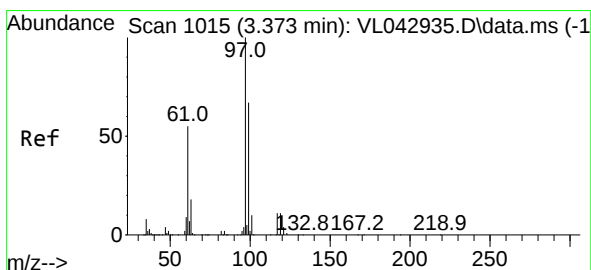
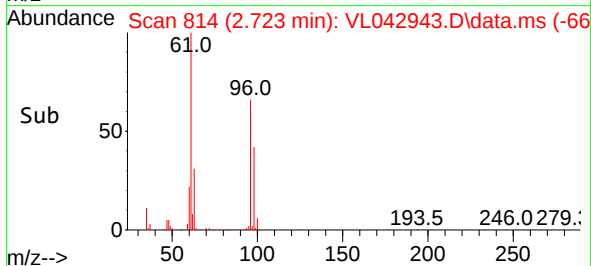
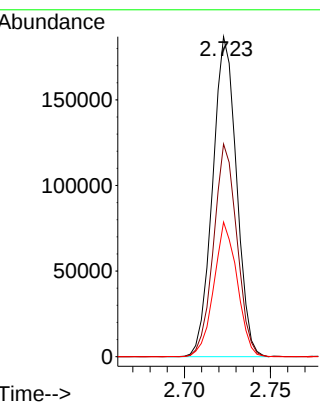
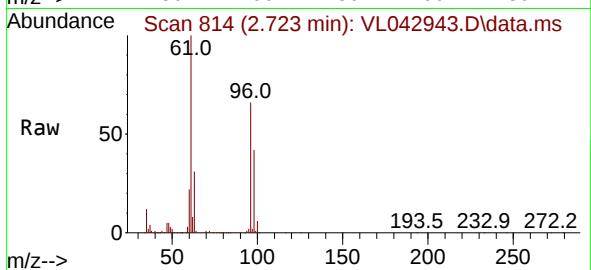
98 42.0 32.8 49.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/19/2025

Supervised By :Mahesh Dadoda 09/24/2025



#32

1,1,1-Trichloroethane

Concen: 9.916 ppbv

RT: 3.370 min Scan# 1014

Delta R.T. -0.003 min

Lab File: VL042943.D

Acq: 18 Sep 2025 12:49

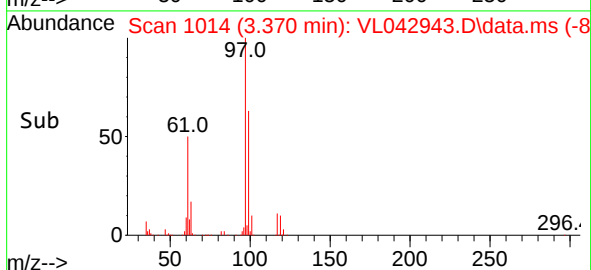
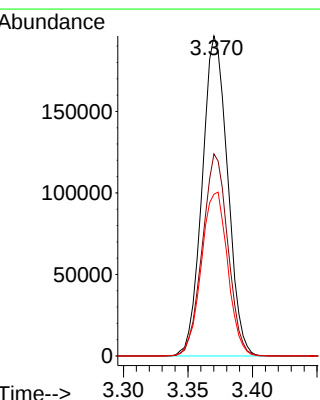
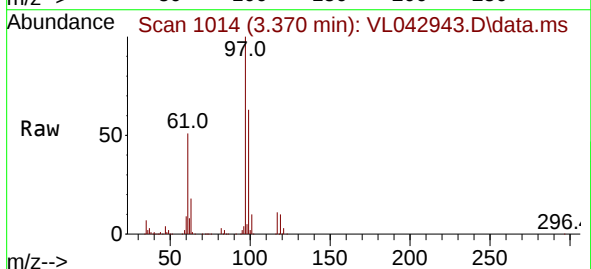
Tgt Ion: 97 Resp: 268252

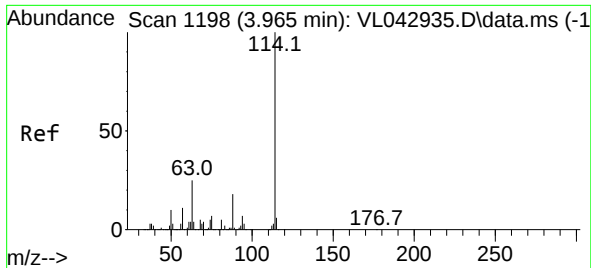
Ion Ratio Lower Upper

97 100

99 63.1 51.0 76.4

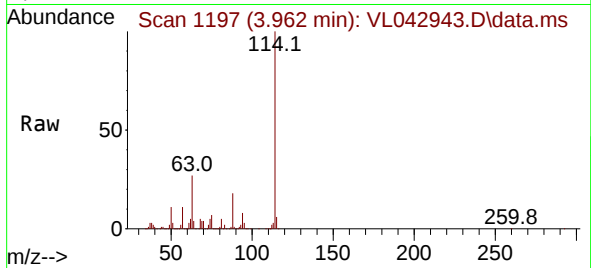
61 53.3 43.2 64.8





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

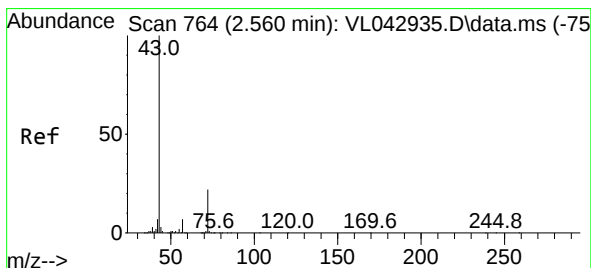
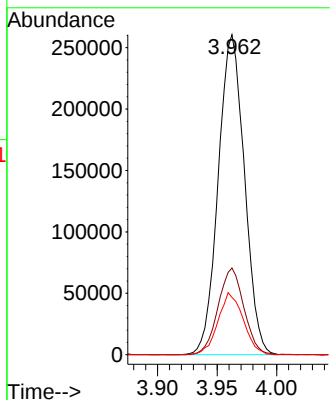
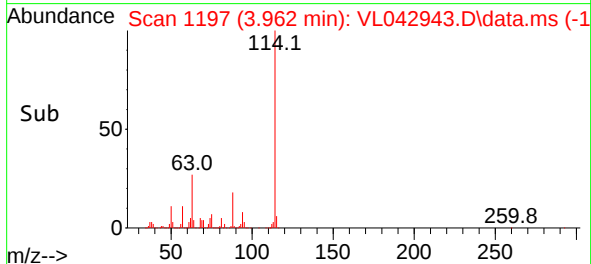
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02



Tgt Ion:114 Resp: 398112
Ion Ratio Lower Upper
114 100
63 26.7 21.1 31.7
88 18.7 14.6 22.0

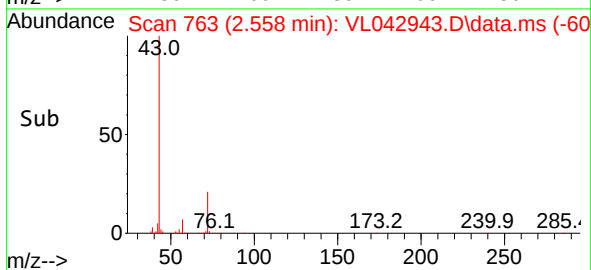
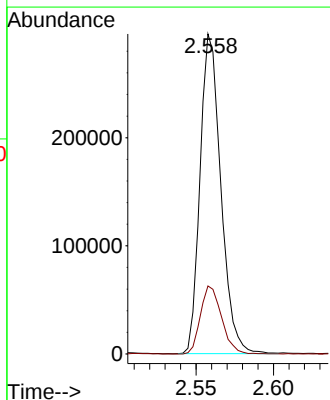
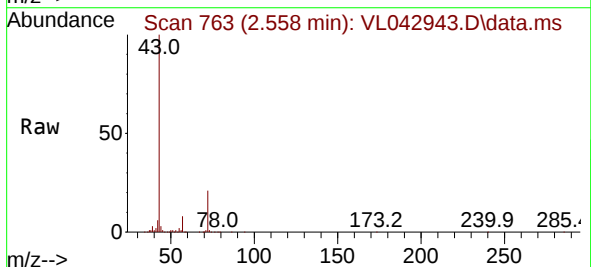
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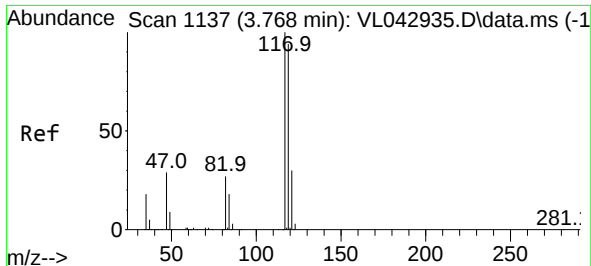
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#34
2-Butanone
Concen: 10.675 ppbv
RT: 2.558 min Scan# 763
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

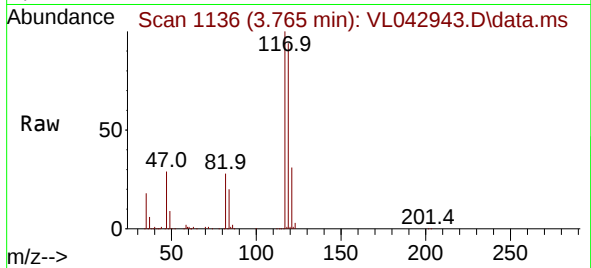
Tgt Ion: 43 Resp: 275491
Ion Ratio Lower Upper
43 100
72 21.8 17.2 25.8





#35
Carbon Tetrachloride
Concen: 9.842 ppbv
RT: 3.765 min Scan# 1136
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

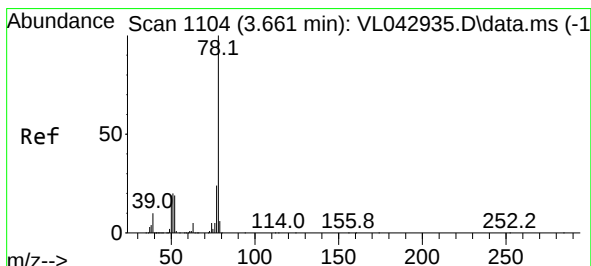
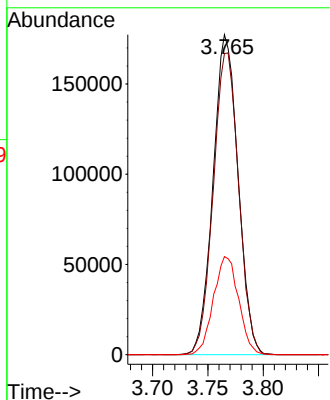
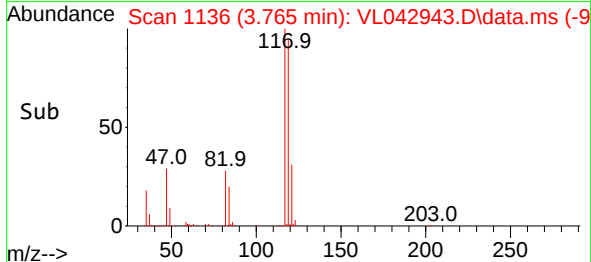
Instrument : MSVOA_L
ClientSampleId : VL0918ABS02



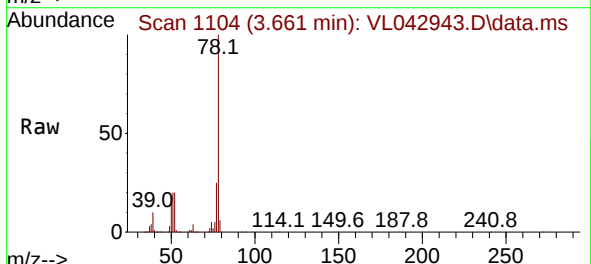
Tgt Ion: 117 Resp: 278532
Ion Ratio Lower Upper
117 100
119 94.1 74.9 112.3
121 30.6 24.0 36.0

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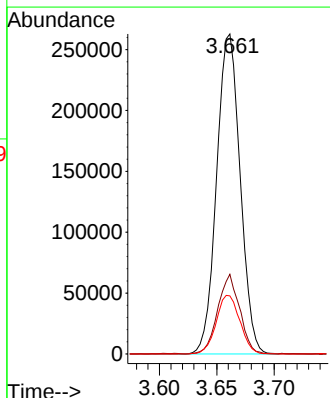
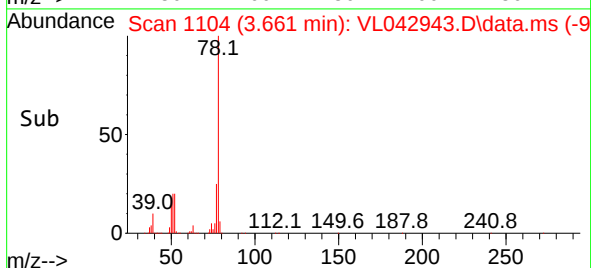
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025

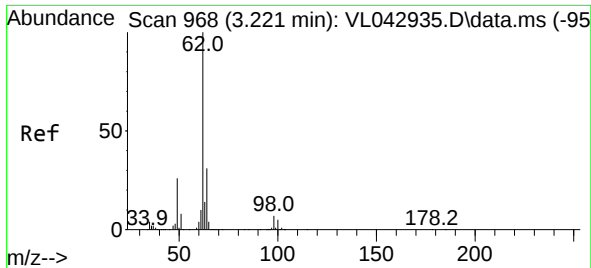


#36
Benzene
Concen: 10.809 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49



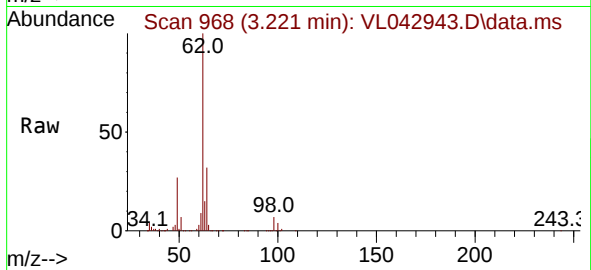
Tgt Ion: 78 Resp: 375346
Ion Ratio Lower Upper
78 100
77 24.9 19.2 28.8
50 18.1 14.8 22.2





#37
1,2-Dichloroethane
Concen: 10.496 ppbv
RT: 3.221 min Scan# 90
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

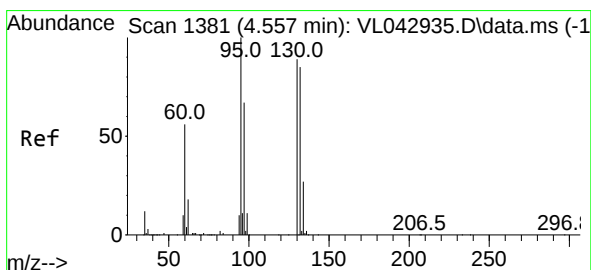
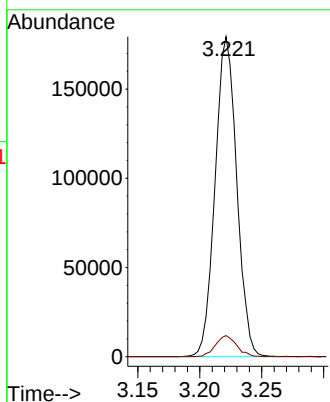
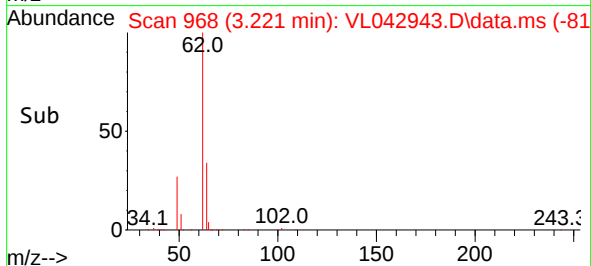
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02



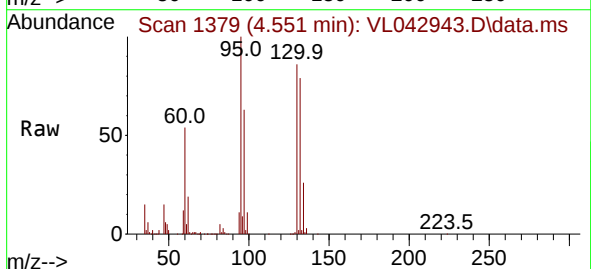
Tgt Ion: 62 Resp: 21830
Ion Ratio Lower Upper
62 100
98 6.5 5.5 8.3

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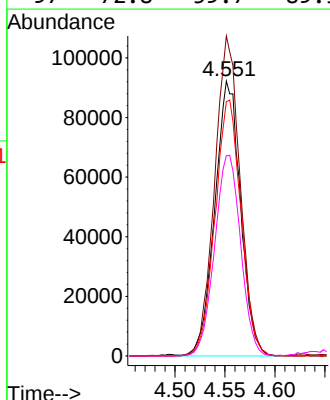
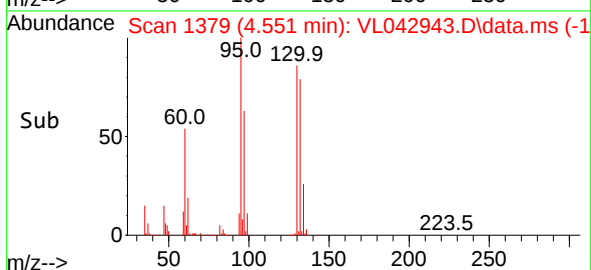
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025

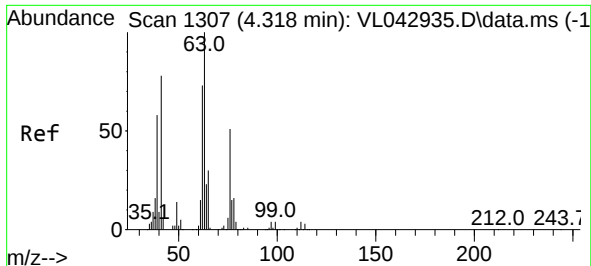


#38
Trichloroethene
Concen: 10.517 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. -0.006 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49



Tgt Ion:130 Resp: 165317
Ion Ratio Lower Upper
130 100
95 116.3 89.8 134.6
132 92.4 76.3 114.5
97 72.8 59.7 89.5





#39

1,2-Dichloropropane

Concen: 10.536 ppbv

RT: 4.318 min Scan# 1307

Delta R.T. 0.001 min

Lab File: VL042943.D

Acq: 18 Sep 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS02

Tgt Ion: 63 Resp: 14786

Ion Ratio Lower Upper

63 100

41 77.4 62.7 94.1

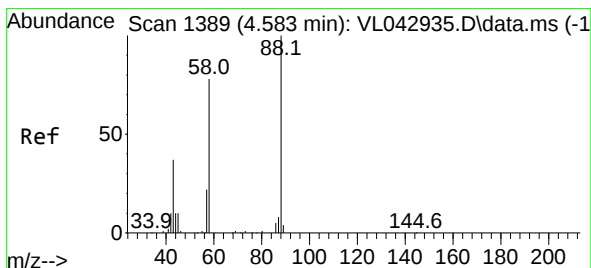
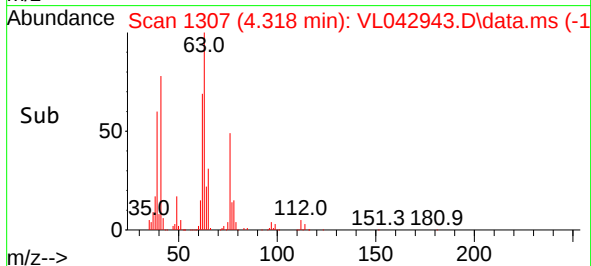
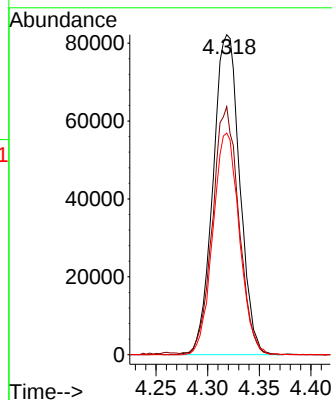
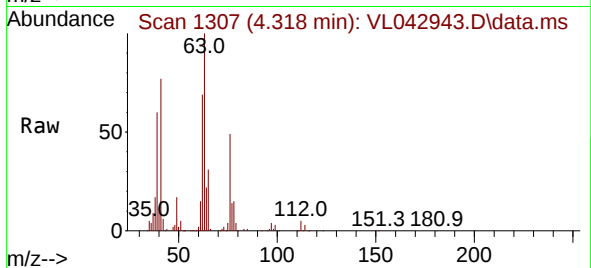
62 69.3 58.4 87.6

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Reviewed By :Semsettin Yesilyurt 09/19/2025

Supervised By :Mahesh Dadoda 09/24/2025



#40

1,4-Dioxane

Concen: 11.625 ppbv

RT: 4.584 min Scan# 1389

Delta R.T. 0.001 min

Lab File: VL042943.D

Acq: 18 Sep 2025 12:49

Tgt Ion: 88 Resp: 57905

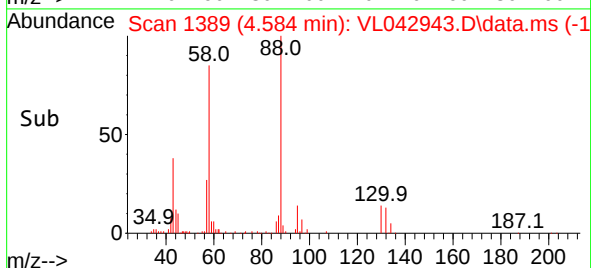
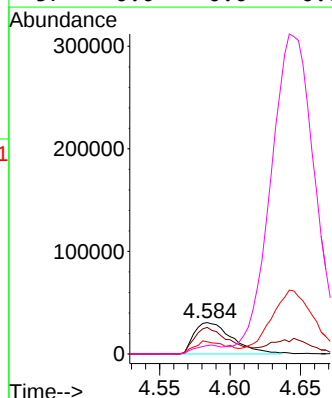
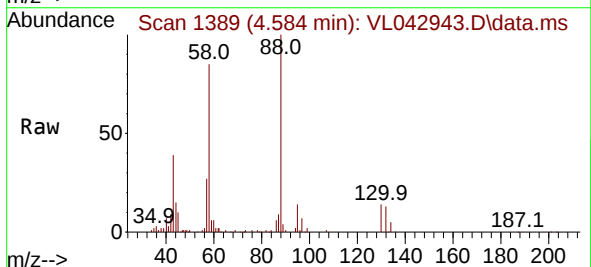
Ion Ratio Lower Upper

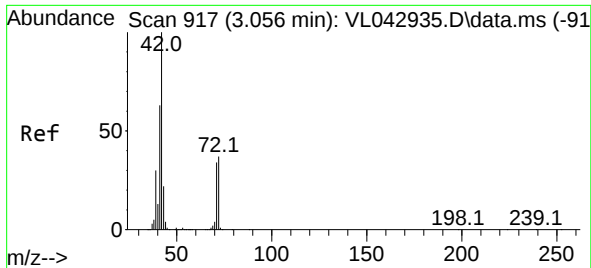
88 100

58 80.7 61.5 92.3

43 33.7 28.3 42.5

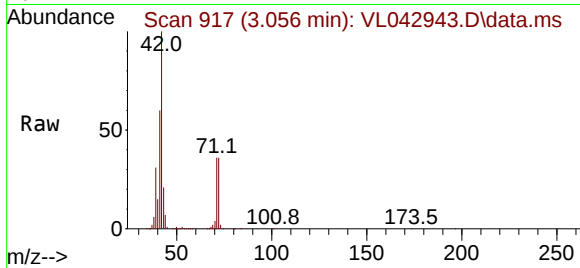
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 11.755 ppbv
RT: 3.056 min Scan# 917
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

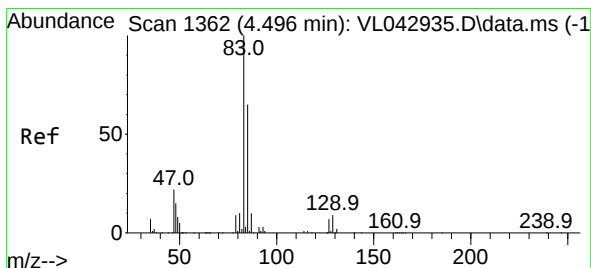
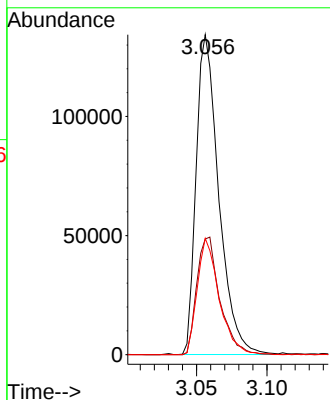
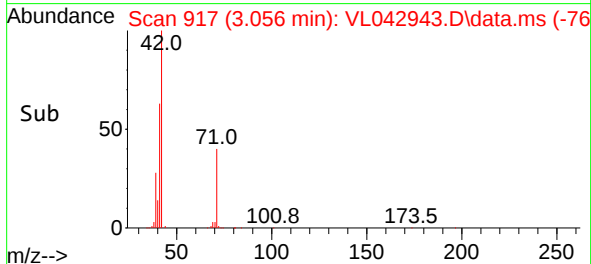
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02



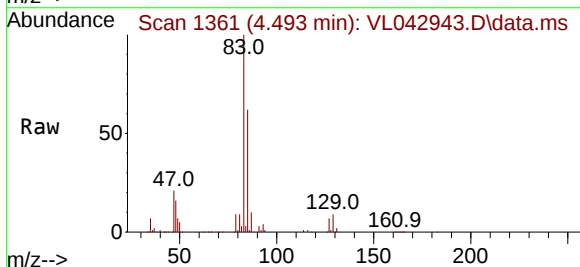
Tgt Ion: 42 Resp: 150133
Ion Ratio Lower Upper
42 100
72 37.5 30.4 45.6
71 35.4 28.3 42.5

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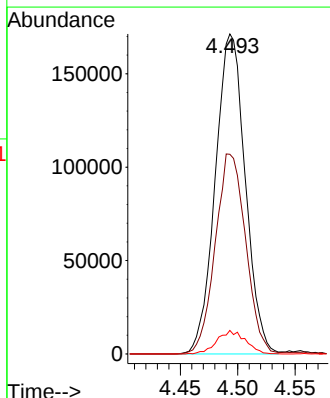
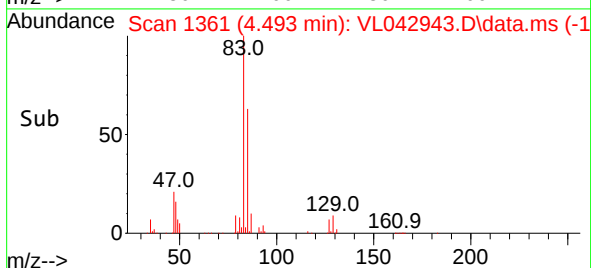
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025

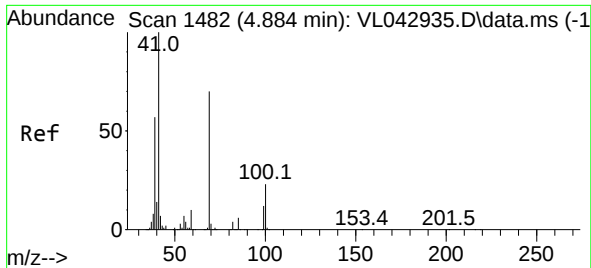


#42
Bromodichloromethane
Concen: 10.438 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49



Tgt Ion: 83 Resp: 311531
Ion Ratio Lower Upper
83 100
85 62.4 52.1 78.1
127 7.4 6.0 9.0





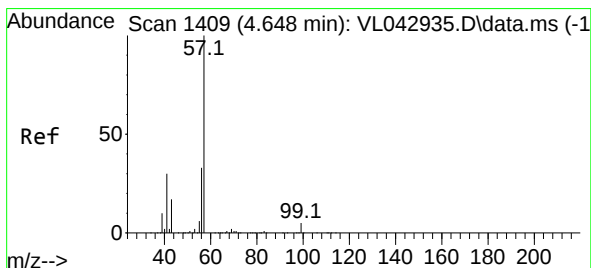
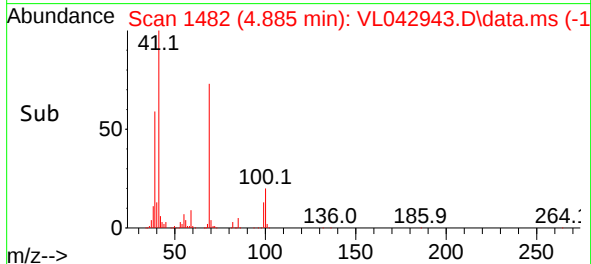
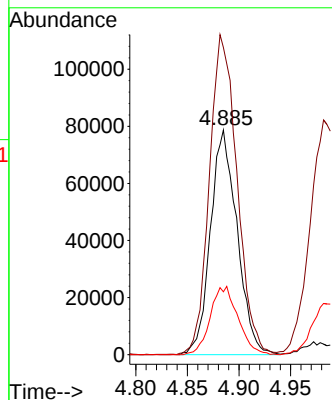
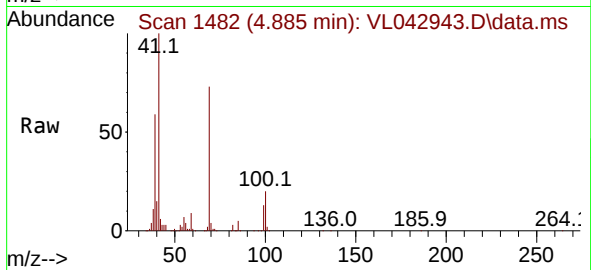
#43
Methyl Methacrylate
Concen: 12.151 ppbv
RT: 4.885 min Scan# 14127
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02

Tgt Ion: 69 Resp: 14127
Ion Ratio Lower Upper
69 100
41 147.7 118.6 178.0
100 31.7 26.2 39.4

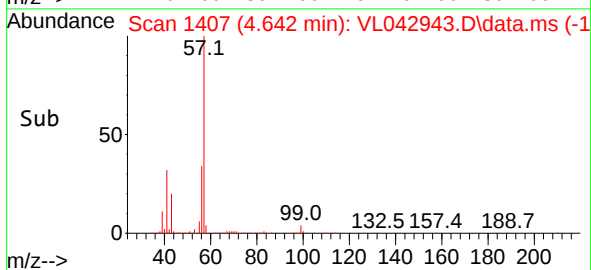
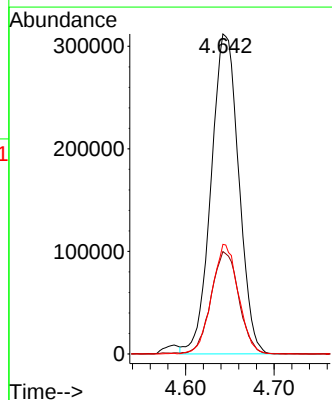
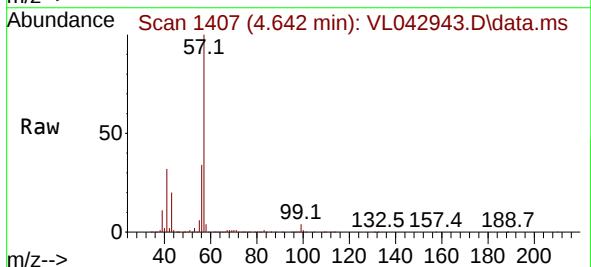
Manual Integrations
APPROVED

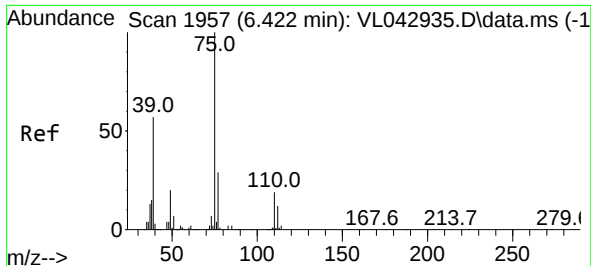
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#44
2,2,4-Trimethylpentane
Concen: 11.684 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. -0.006 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Tgt Ion: 57 Resp: 676730
Ion Ratio Lower Upper
57 100
41 32.5 25.8 38.6
56 33.1 26.2 39.4





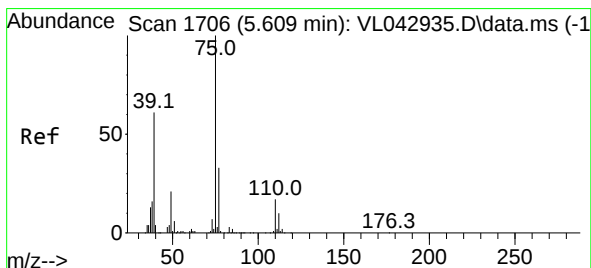
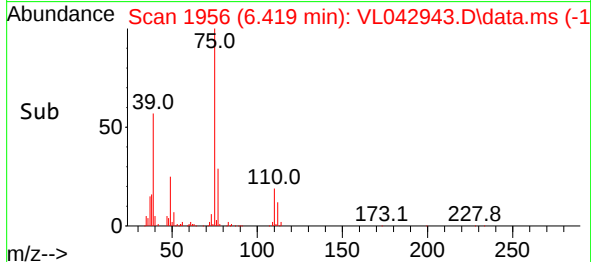
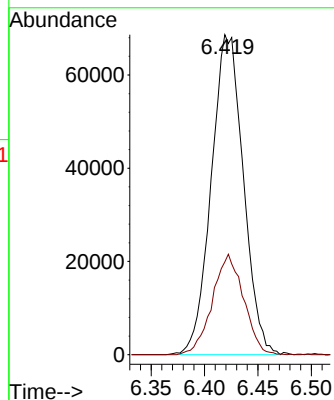
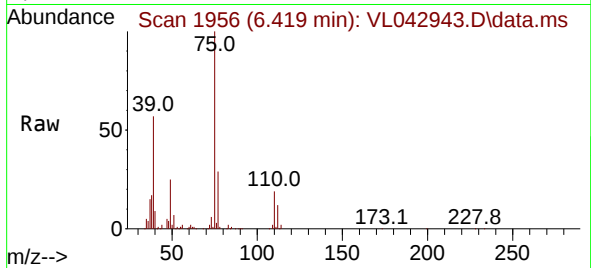
#45
 t-1,3-Dichloropropene
 Concen: 11.685 ppbv
 RT: 6.419 min Scan# 1956
 Delta R.T. -0.003 min
 Lab File: VL042943.D
 Acq: 18 Sep 2025 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS02

Tgt Ion: 75 Resp: 14325
 Ion Ratio Lower Upper
 75 100
 77 29.0 23.5 35.3

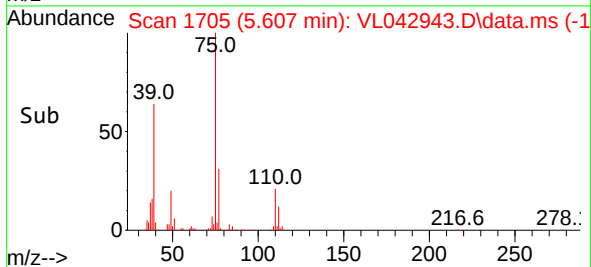
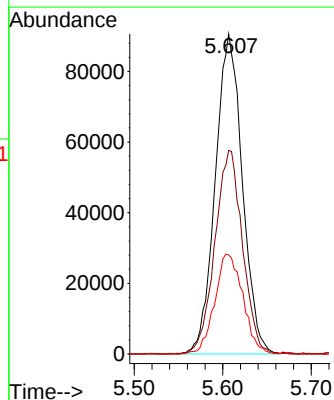
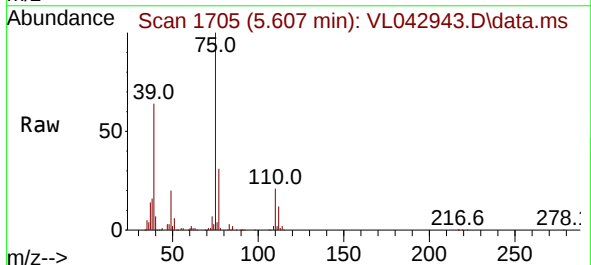
Manual Integrations
 APPROVED

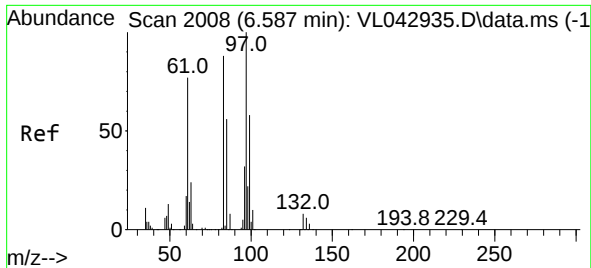
Reviewed By :Semsettin Yesilyurt 09/19/2025
 Supervised By :Mahesh Dadoda 09/24/2025



#46
 cis-1,3-Dichloropropene
 Concen: 11.379 ppbv
 RT: 5.607 min Scan# 1705
 Delta R.T. -0.003 min
 Lab File: VL042943.D
 Acq: 18 Sep 2025 12:49

Tgt Ion: 75 Resp: 192317
 Ion Ratio Lower Upper
 75 100
 39 63.5 49.0 73.4
 77 30.9 26.2 39.2





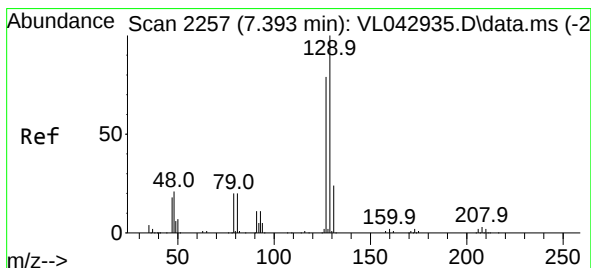
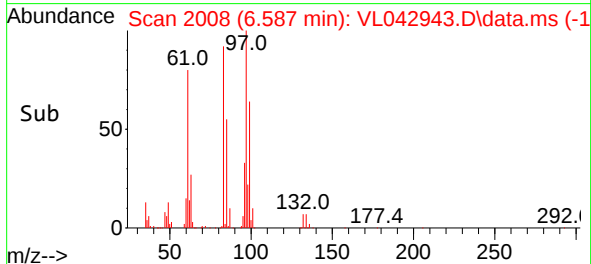
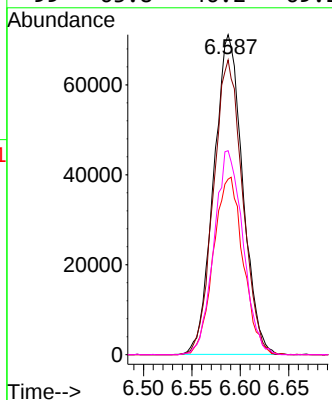
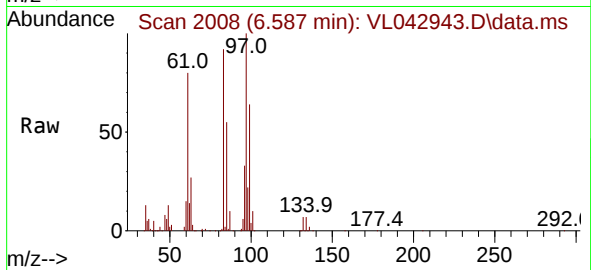
#47
1,1,2-Trichloroethane
Concen: 10.309 ppbv
RT: 6.587 min Scan# 2008
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02

Tgt Ion: 97 Resp: 14752
Ion Ratio Lower Upper
97 100
83 92.2 70.6 106.0
85 54.9 44.9 67.3
99 63.8 46.2 69.2

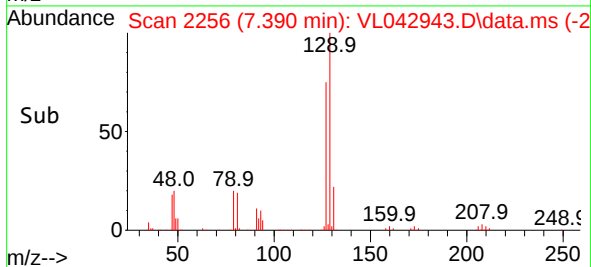
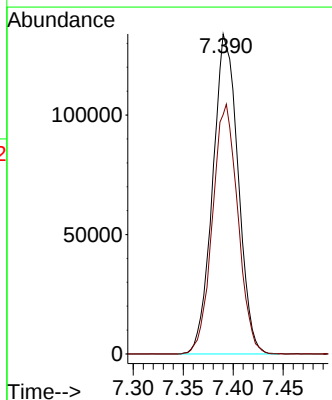
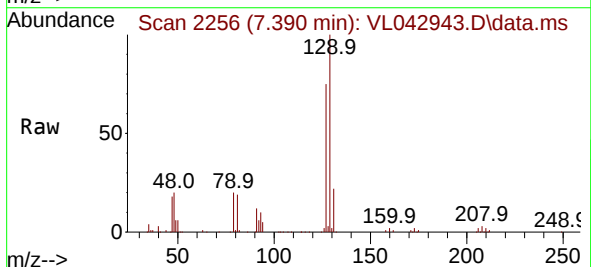
Manual Integrations
APPROVED

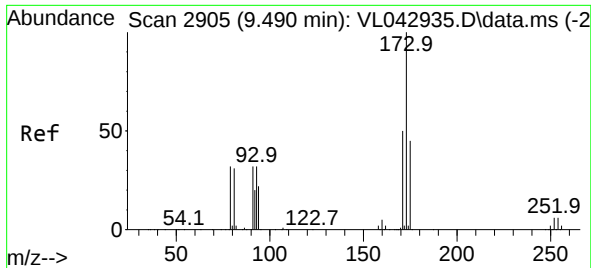
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#48
Dibromochloromethane
Concen: 10.558 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

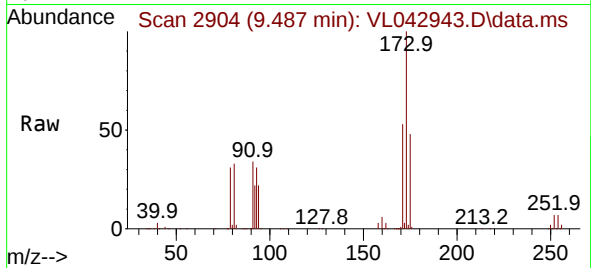
Tgt Ion:129 Resp: 236633
Ion Ratio Lower Upper
129 100
127 78.1 38.8 116.3





#49
Bromoform
Concen: 10.894 ppbv
RT: 9.487 min Scan# 2905
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

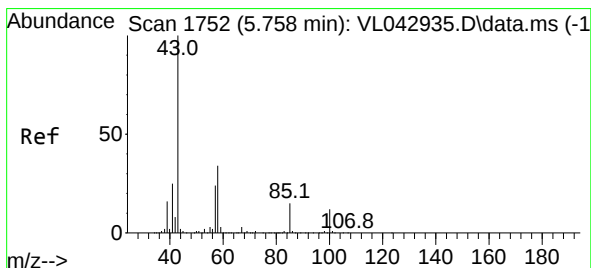
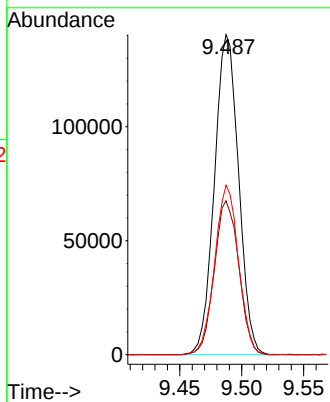
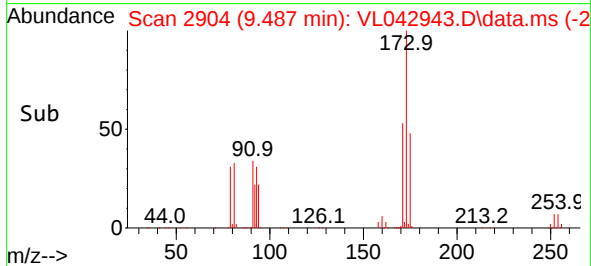
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02



Tgt Ion:173 Resp: 190569
Ion Ratio Lower Upper
173 100
175 48.9 38.6 58.0
171 52.2 41.7 62.5

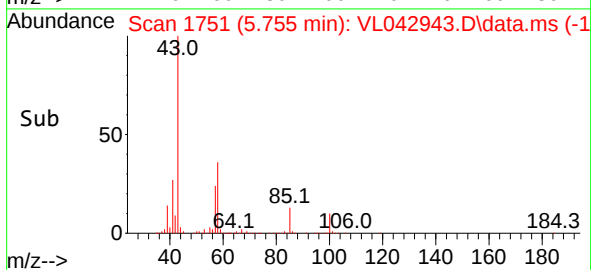
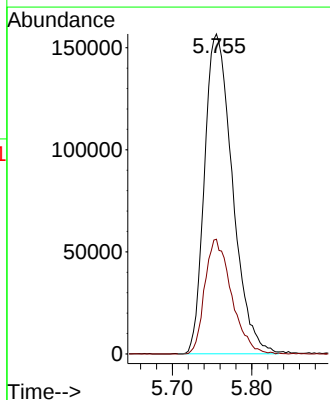
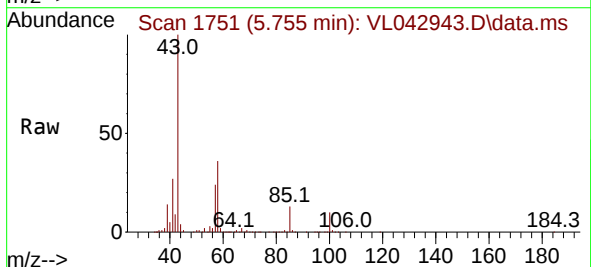
Manual Integrations
APPROVED

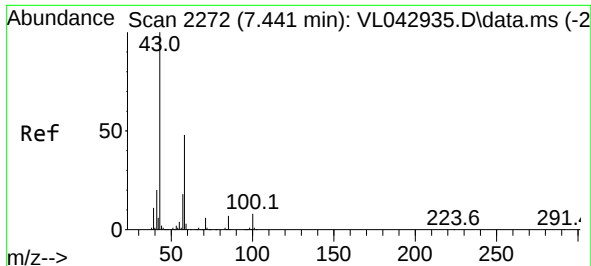
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#50
4-Methyl-2-Pentanone
Concen: 12.417 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

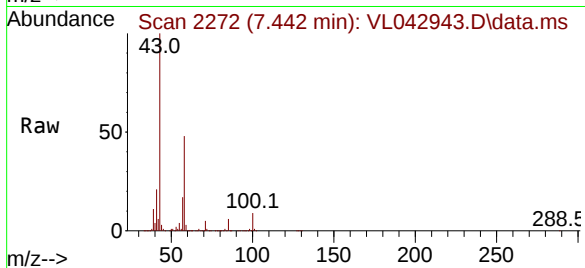
Tgt Ion: 43 Resp: 383141
Ion Ratio Lower Upper
43 100
58 34.3 27.5 41.3





#51
2-Hexanone
Concen: 13.156 ppbv
RT: 7.442 min Scan# 2117
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

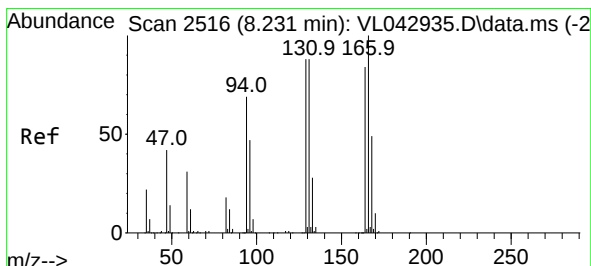
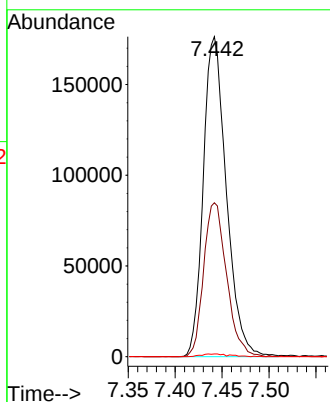
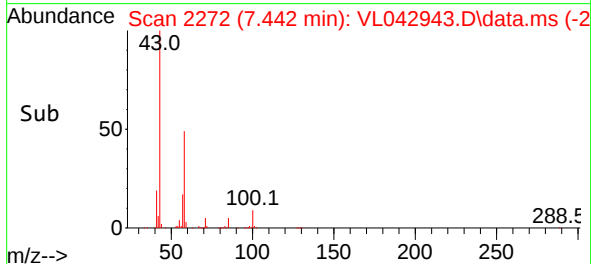
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02



Tgt Ion: 43 Resp: 301477
Ion Ratio Lower Upper
43 100
58 47.9 37.9 56.9
98 1.1 0.7 1.1

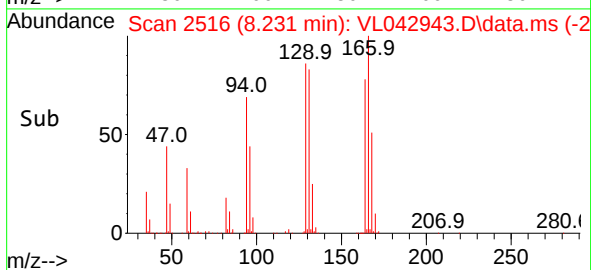
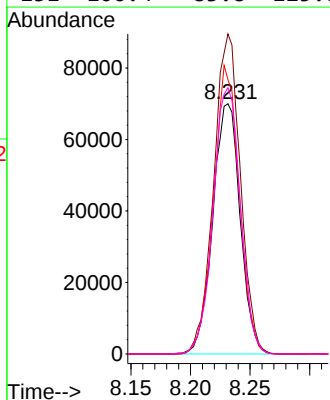
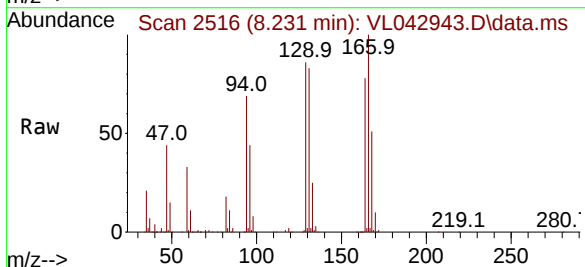
Manual Integrations
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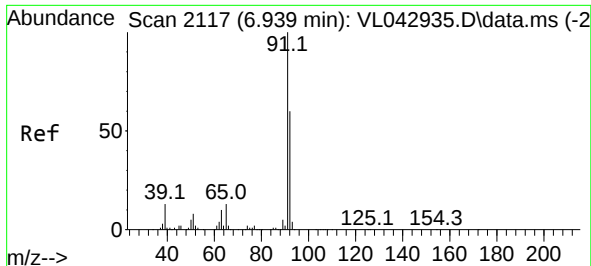
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#52
Tetrachloroethene
Concen: 10.410 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Tgt Ion:164 Resp: 111470
Ion Ratio Lower Upper
164 100
166 127.9 95.4 143.0
129 109.6 84.0 126.0
131 106.4 83.8 125.8





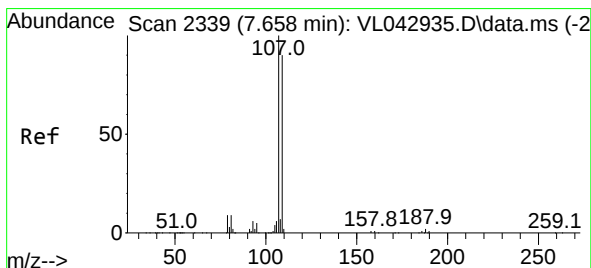
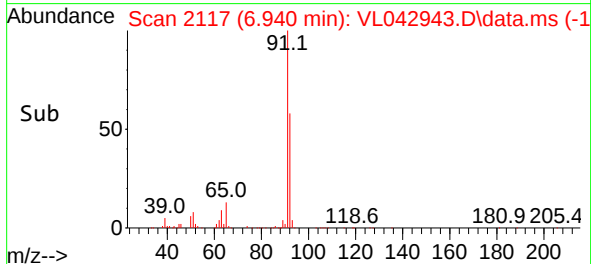
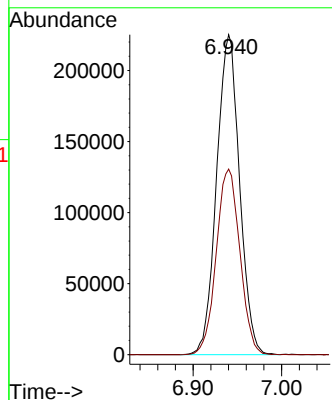
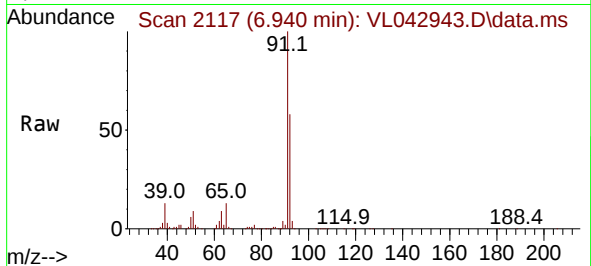
#53
Toluene
Concen: 12.529 ppbv
RT: 6.940 min Scan# 2117
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02

Tgt Ion: 91 Resp: 405700
Ion Ratio Lower Upper
91 100
92 59.8 47.4 71.2

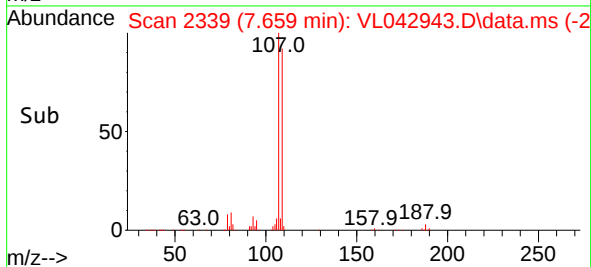
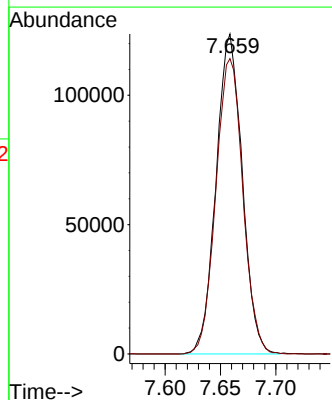
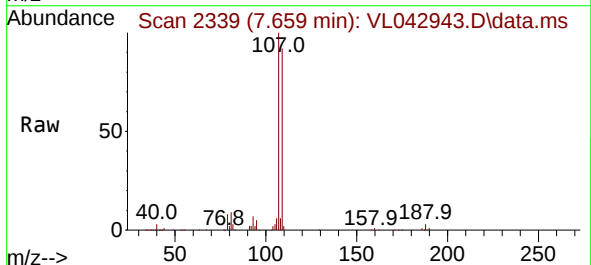
Manual Integrations
APPROVED

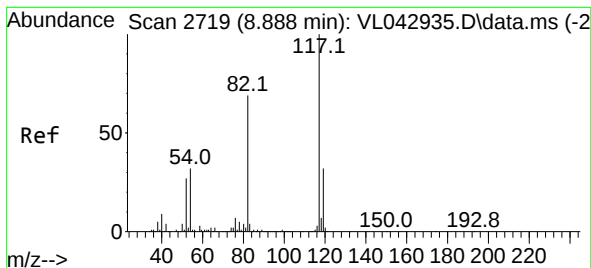
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#54
1,2-Dibromoethane
Concen: 11.043 ppbv
RT: 7.659 min Scan# 2339
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Tgt Ion:107 Resp: 203289
Ion Ratio Lower Upper
107 100
109 92.3 71.8 107.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.889 min Scan# 2719

Delta R.T. 0.001 min

Lab File: VL042943.D

Acq: 18 Sep 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS02

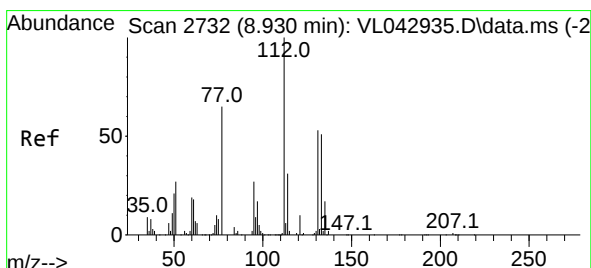
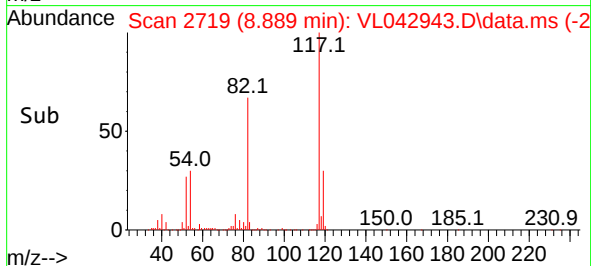
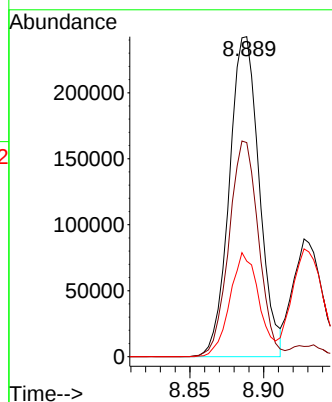
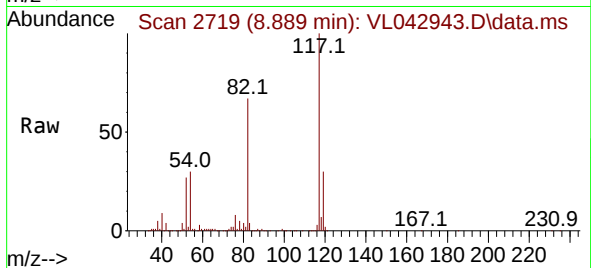
Tgt Ion:117 Resp: 342230

Ion	Ratio	Lower	Upper
117	100		
82	70.3	56.1	84.1
119	31.6	25.8	38.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 10.348 ppbv

RT: 8.927 min Scan# 2731

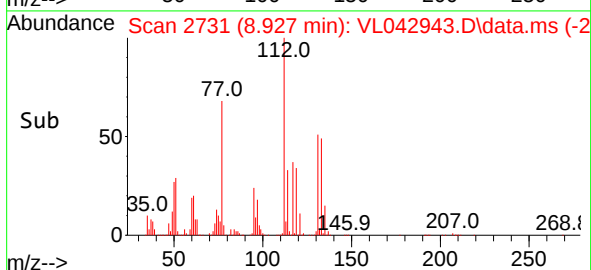
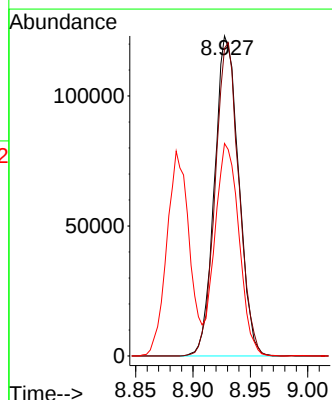
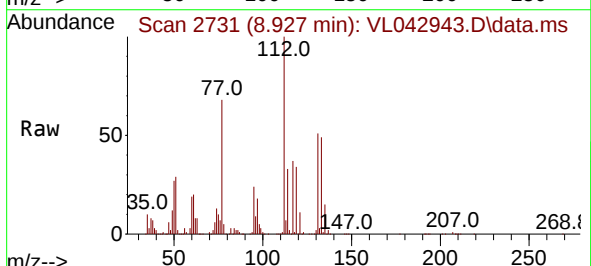
Delta R.T. -0.003 min

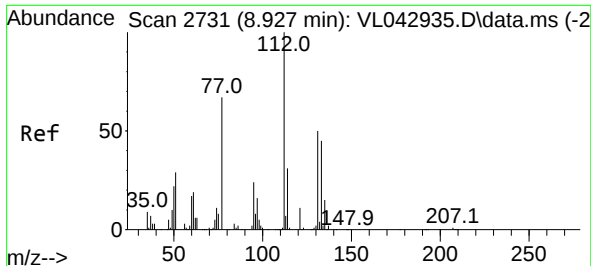
Lab File: VL042943.D

Acq: 18 Sep 2025 12:49

Tgt Ion:131 Resp: 180415

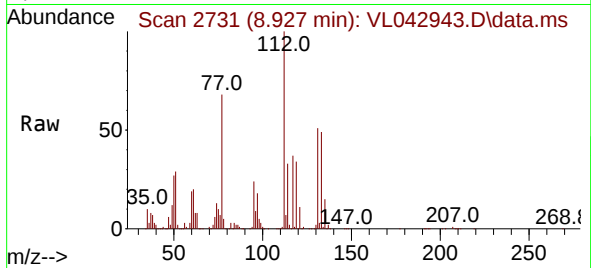
Ion	Ratio	Lower	Upper
131	100		
133	96.4	76.1	114.1
119	66.2	53.4	80.2





#57
Chlorobenzene
Concen: 10.538 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

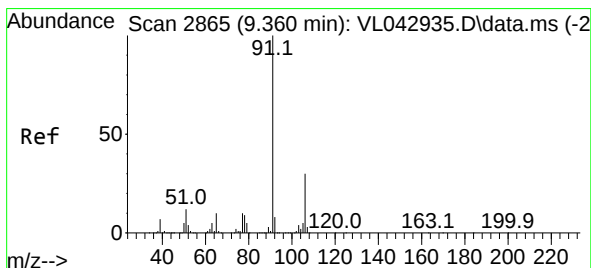
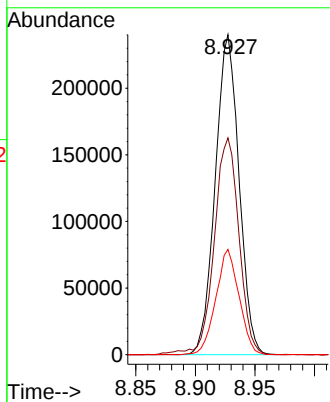
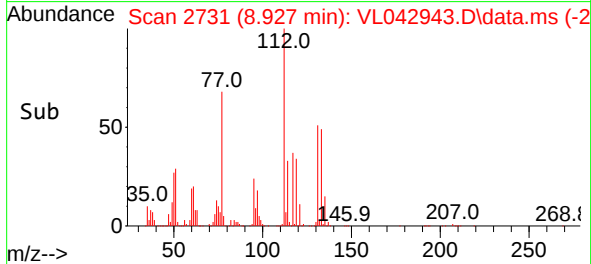
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02



Tgt Ion:112 Resp: 333333
Ion Ratio Lower Upper
112 100
77 67.7 54.8 82.2
114 32.9 28.2 34.4

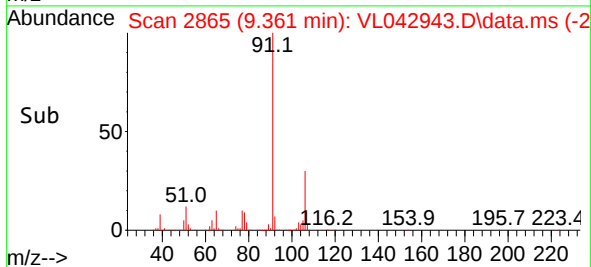
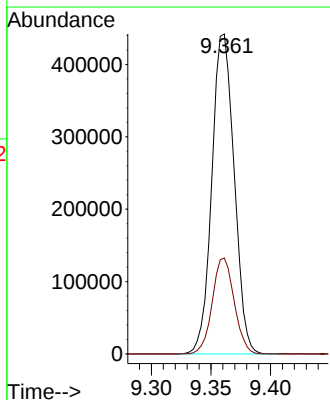
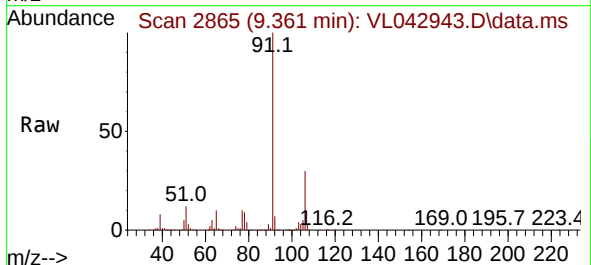
Manual Integrations
APPROVED

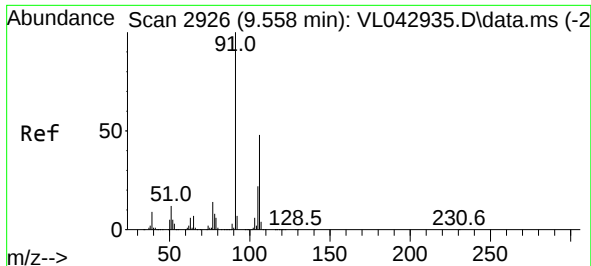
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#58
Ethyl Benzene
Concen: 13.059 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Tgt Ion: 91 Resp: 575762
Ion Ratio Lower Upper
91 100
106 30.0 24.2 36.4





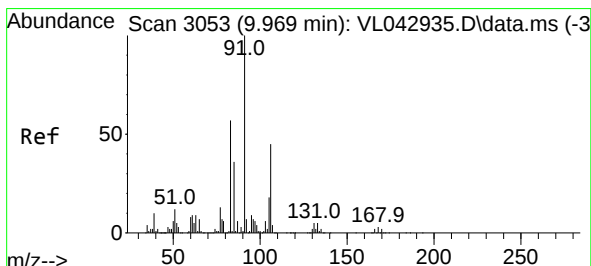
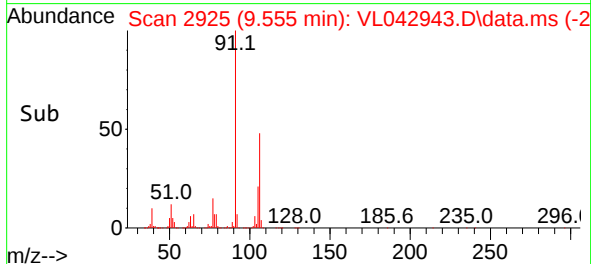
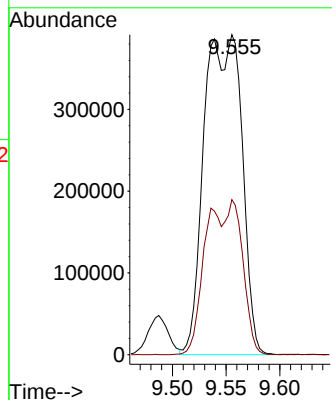
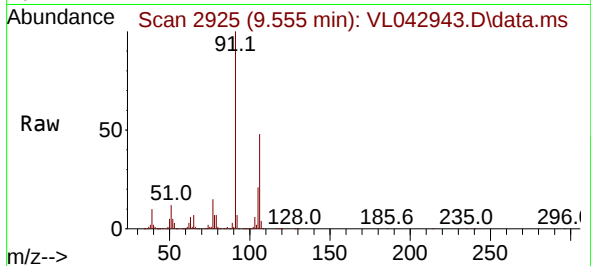
#59
m/p-Xylene
Concen: 25.779 ppbv m
RT: 9.555 min Scan# 2926
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02

Tgt Ion: 91 Resp: 96050
Ion Ratio Lower Upper
91 100
106 46.8 37.4 56.0

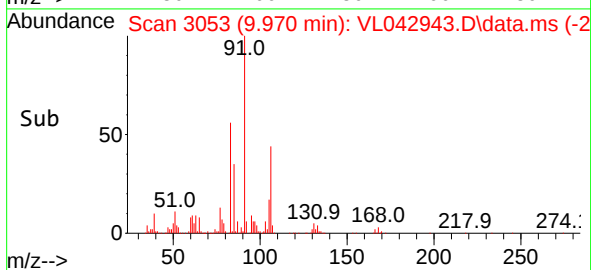
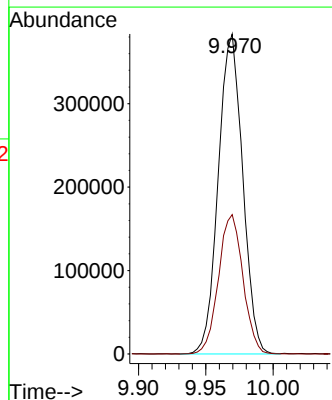
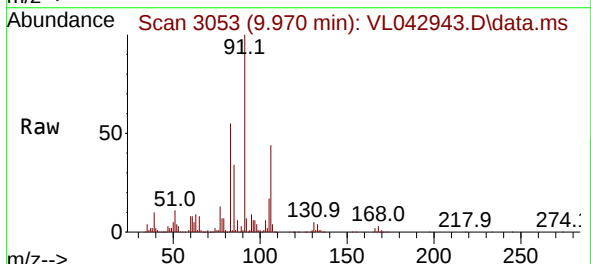
Manual Integrations
APPROVED

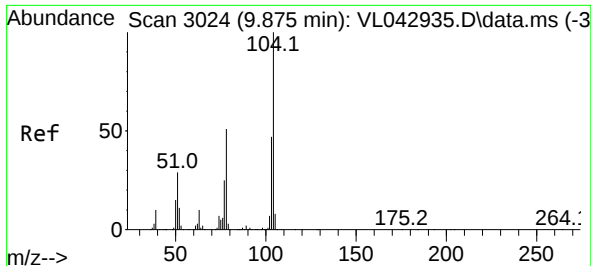
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#60
o-Xylene
Concen: 13.030 ppbv
RT: 9.970 min Scan# 3053
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Tgt Ion: 91 Resp: 482682
Ion Ratio Lower Upper
91 100
106 43.7 22.1 66.5





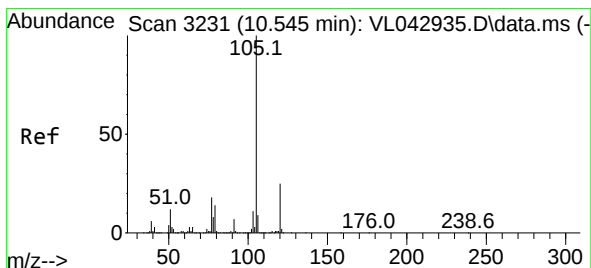
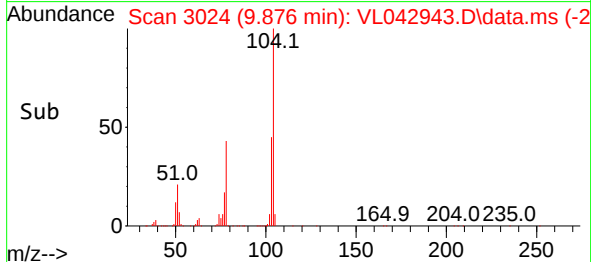
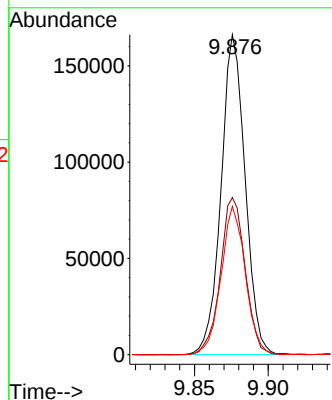
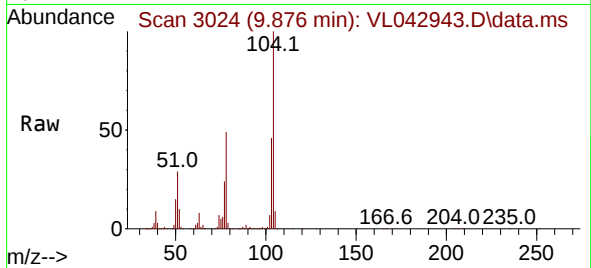
#61
Styrene
Concen: 9.850 ppbv
RT: 9.876 min Scan# 3024
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02

Tgt Ion:104 Resp: 188510
Ion Ratio Lower Upper
104 100
78 50.8 40.2 60.2
103 47.1 36.8 55.2

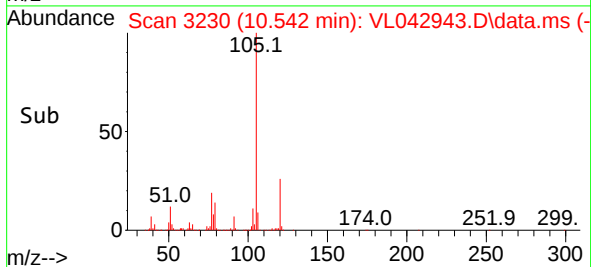
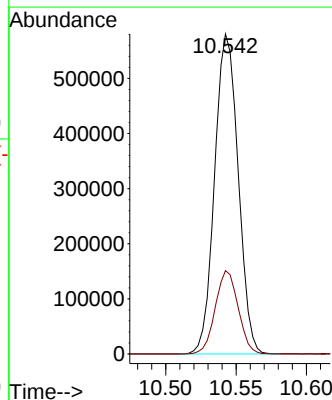
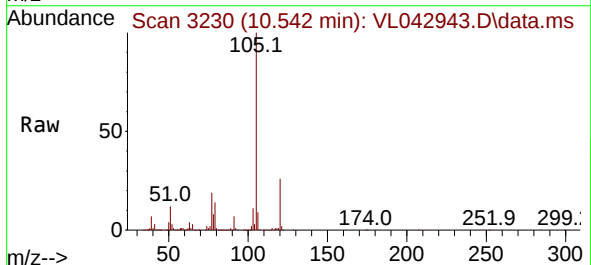
Manual Integrations
APPROVED

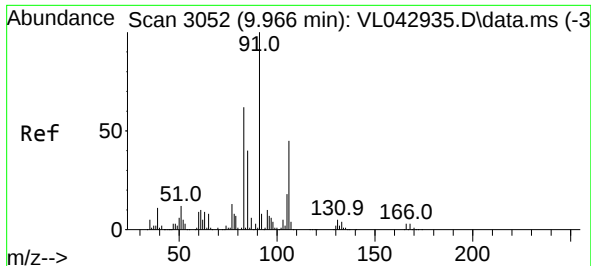
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#62
Isopropylbenzene
Concen: 12.516 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Tgt Ion:105 Resp: 675382
Ion Ratio Lower Upper
105 100
120 25.3 20.0 30.0





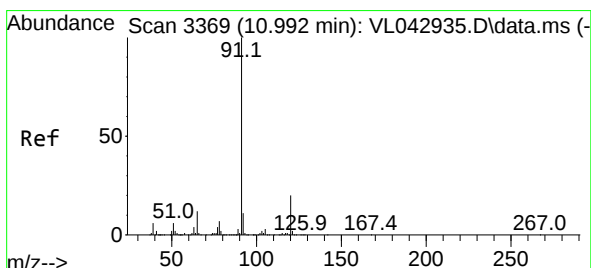
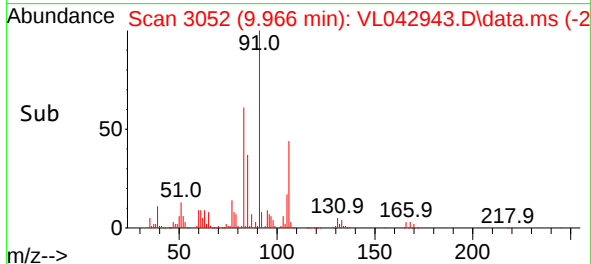
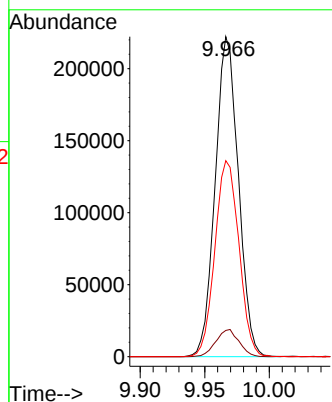
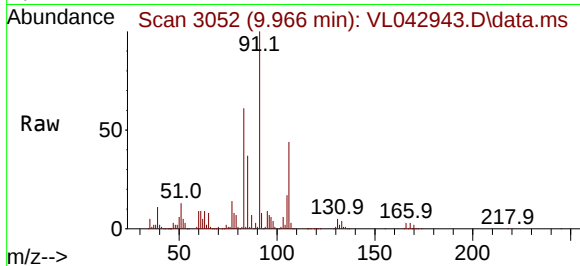
#63
1,1,2,2-Tetrachloroethane
Concen: 10.363 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Instrument : MSVOA_L
ClientSampleId : VL0918ABS02

Tgt Ion: 83 Resp: 277312
Ion Ratio Lower Upper
83 100
131 8.5 4.2 12.6
85 63.5 32.6 98.0

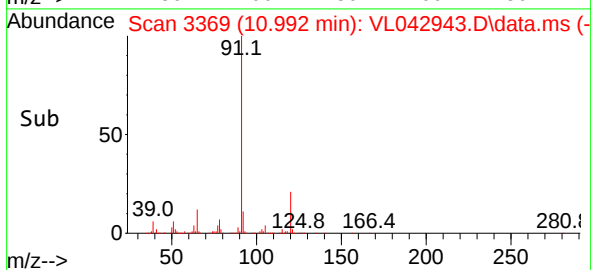
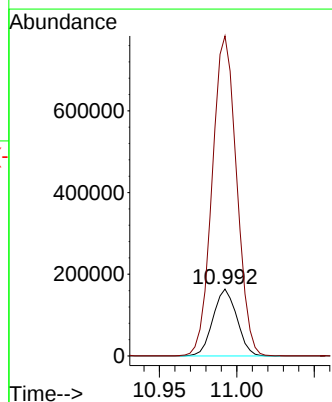
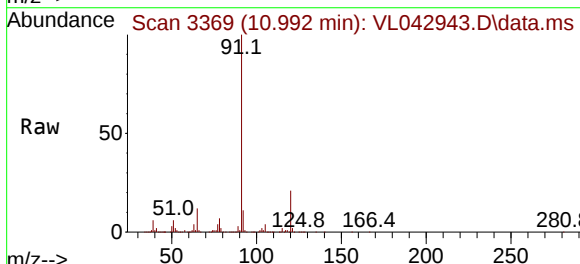
Manual Integrations
APPROVED

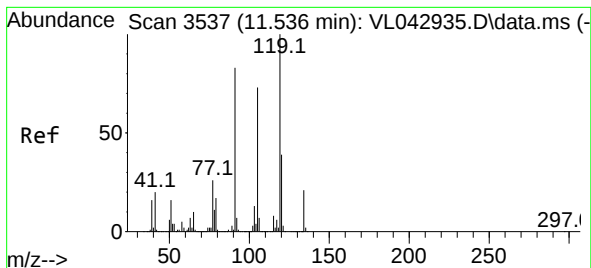
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#64
n-propylbenzene
Concen: 12.526 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

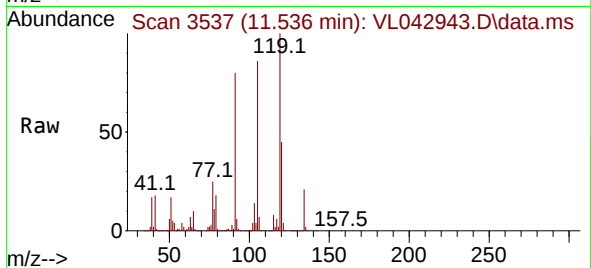
Tgt Ion:120 Resp: 175243
Ion Ratio Lower Upper
120 100
91 490.4 394.6 591.8





#65
tert-Butylbenzene
Concen: 13.069 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

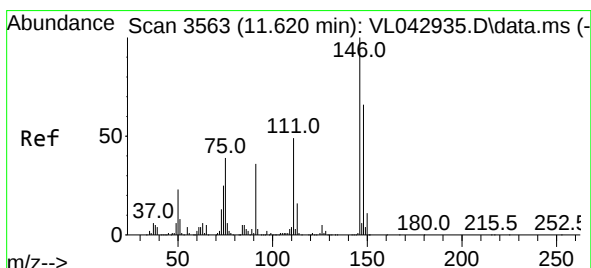
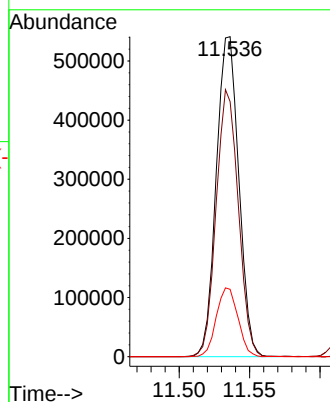
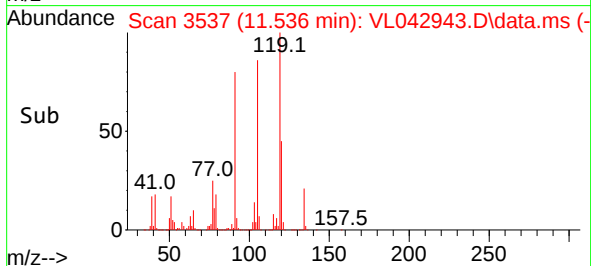
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02



Tgt Ion: 119 Resp: 602619
Ion Ratio Lower Upper
119 100
91 82.2 66.0 99.0
134 20.7 16.8 25.2

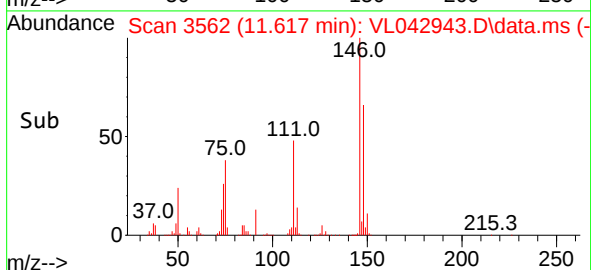
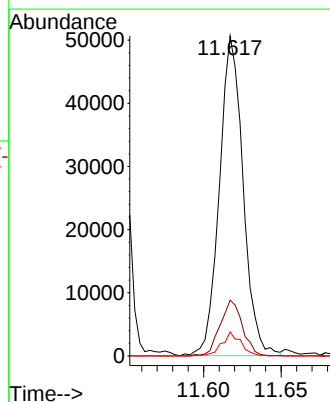
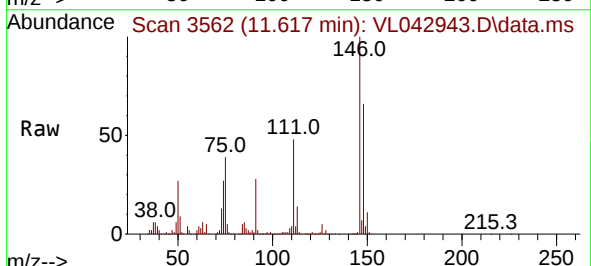
Manual Integrations
APPROVED

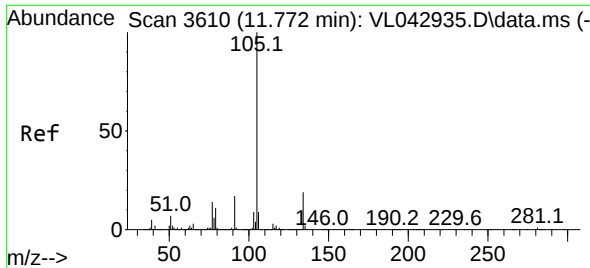
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#66
Benzyl Chloride
Concen: 12.529 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

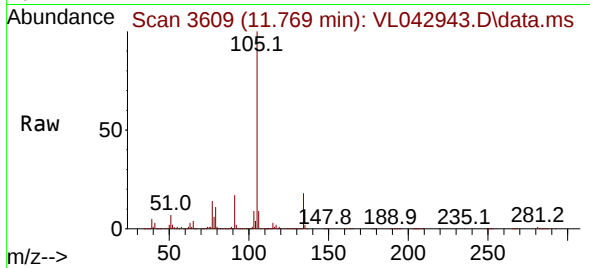
Tgt Ion: 91 Resp: 53684
Ion Ratio Lower Upper
91 100
126 16.5 13.9 20.9
128 6.1 4.9 7.3





#67
 sec-Butylbenzene
 Concen: 12.553 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. -0.003 min
 Lab File: VL042943.D
 Acq: 18 Sep 2025 12:49

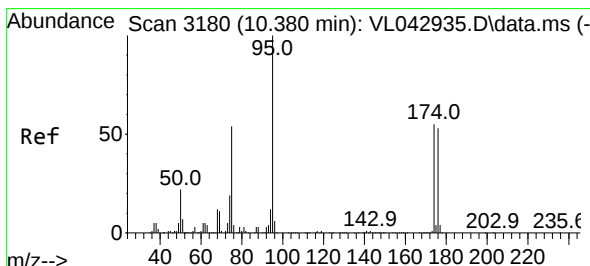
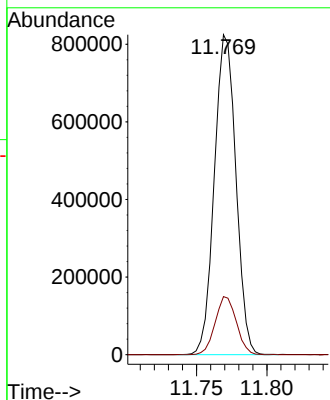
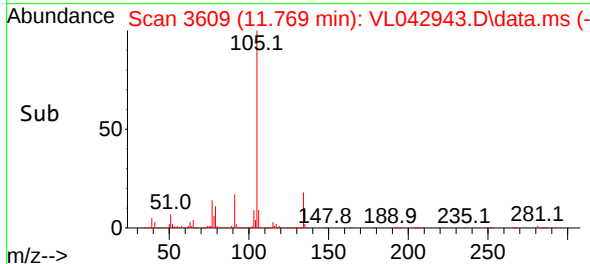
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS02



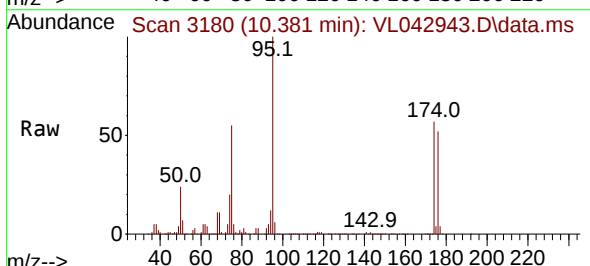
Tgt Ion:105 Resp: 880638
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.3 21.5

Manual Integrations
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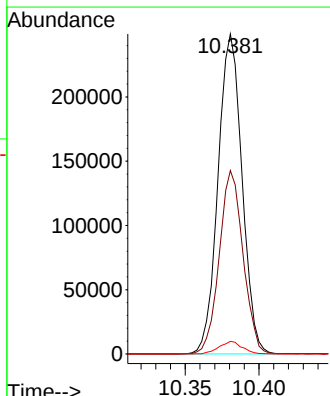
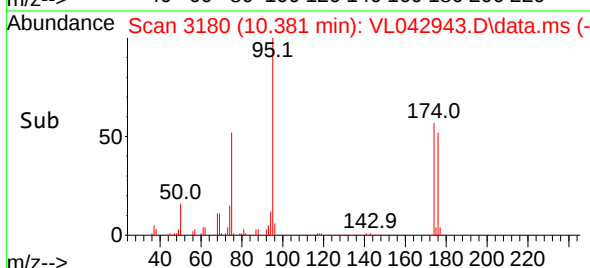
Reviewed By :Semsettin Yesilyurt 09/19/2025
 Supervised By :Mahesh Dadoda 09/24/2025

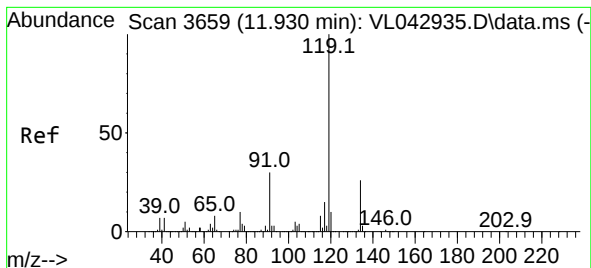


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.542 ppbv
 RT: 10.381 min Scan# 3180
 Delta R.T. 0.001 min
 Lab File: VL042943.D
 Acq: 18 Sep 2025 12:49



Tgt Ion: 95 Resp: 281987
 Ion Ratio Lower Upper
 95 100
 174 56.8 44.9 67.3
 175 3.8 3.3 4.9





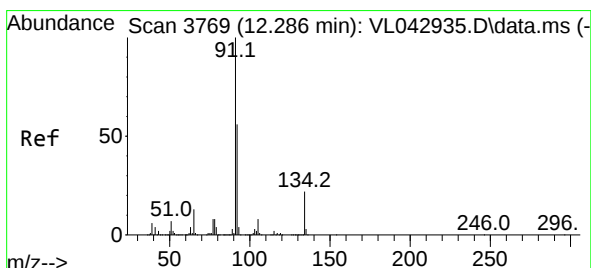
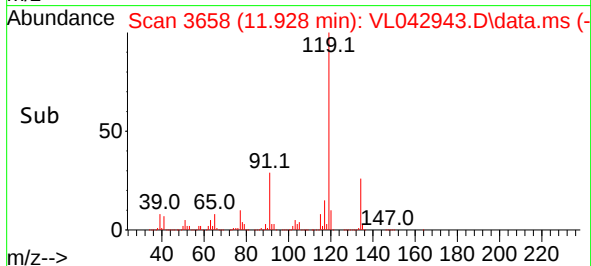
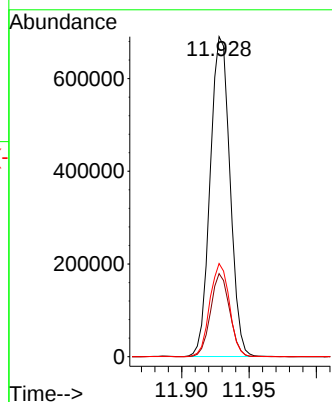
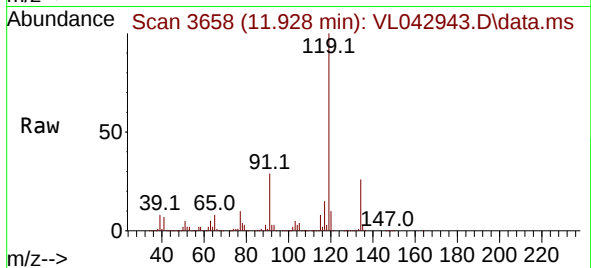
#69
p-Isopropyltoluene
Concen: 13.066 ppbv
RT: 11.928 min Scan# 30
Delta R.T. -0.002 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02

Tgt Ion:119 Resp: 70640
Ion Ratio Lower Upper
119 100
134 25.1 20.5 30.7
91 28.8 23.2 34.8

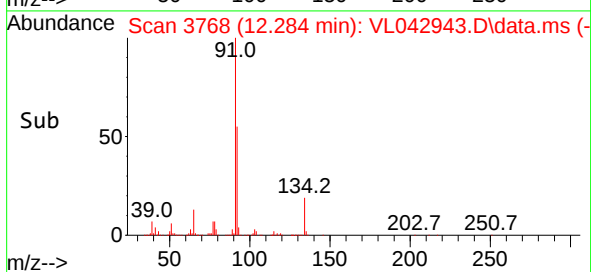
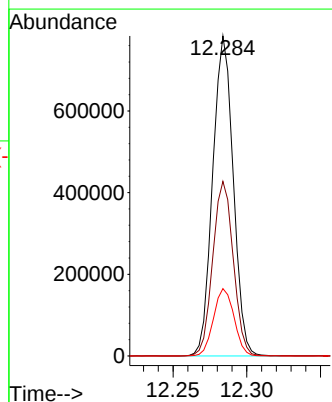
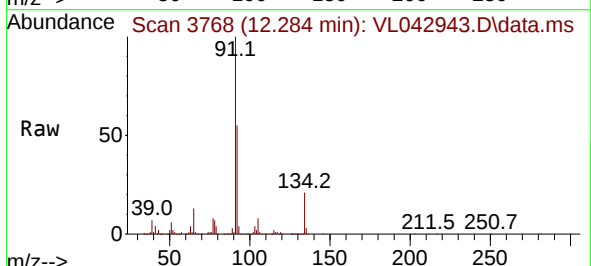
Manual Integrations
APPROVED

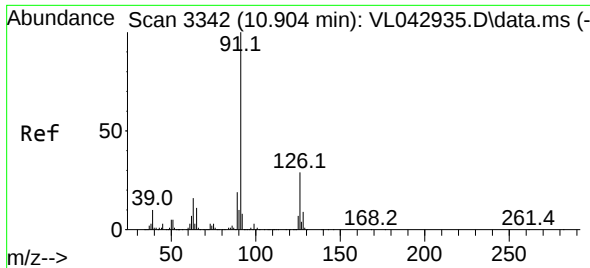
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#70
n-Butylbenzene
Concen: 10.480 ppbv
RT: 12.284 min Scan# 3768
Delta R.T. -0.002 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Tgt Ion: 91 Resp: 758319
Ion Ratio Lower Upper
91 100
92 54.6 43.8 65.8
134 21.1 17.3 25.9





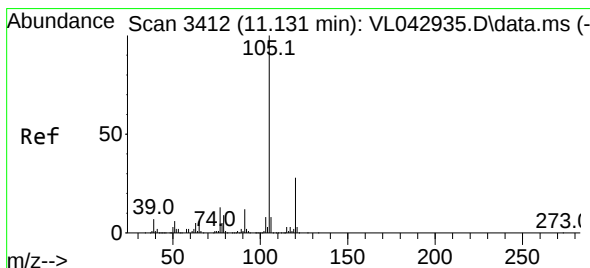
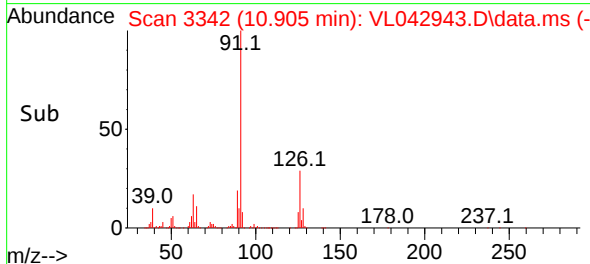
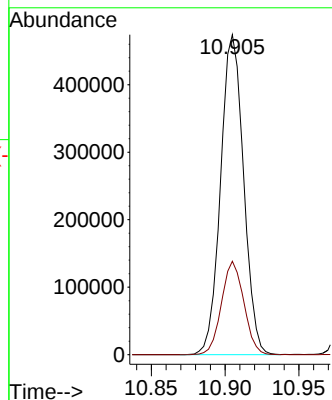
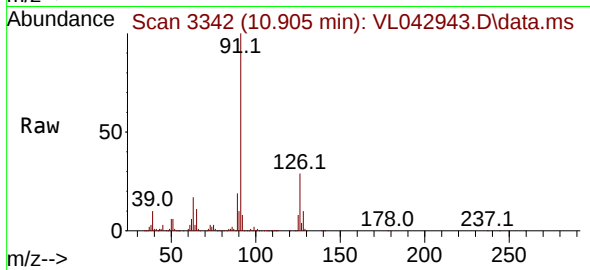
#71
2-Chlorotoluene
Concen: 12.833 ppbv
RT: 10.905 min Scan# 31
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02

Tgt Ion: 91 Resp: 513810
Ion Ratio Lower Upper
91 100
126 28.4 11.5 45.9

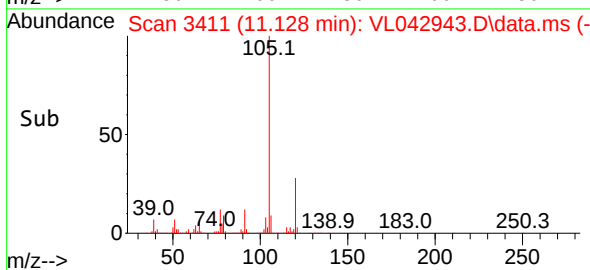
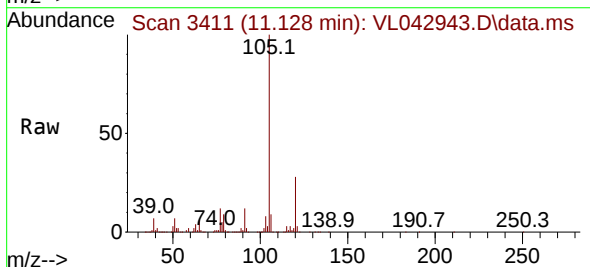
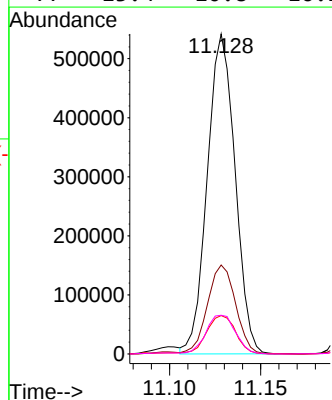
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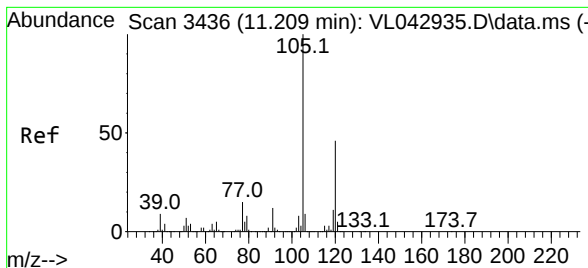
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#72
4-Ethyltoluene
Concen: 10.243 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Tgt Ion:105 Resp: 573658
Ion Ratio Lower Upper
105 100
120 28.7 23.1 34.7
91 13.0 10.4 15.6
77 13.4 10.8 16.2





#73

1,3,5-Trimethylbenzene

Concen: 12.989 ppbv

RT: 11.209 min Scan# 3436

Delta R.T. 0.001 min

Lab File: VL042943.D

Acq: 18 Sep 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS02

Tgt Ion:105 Resp: 47602

Ion Ratio Lower Upper

105 100

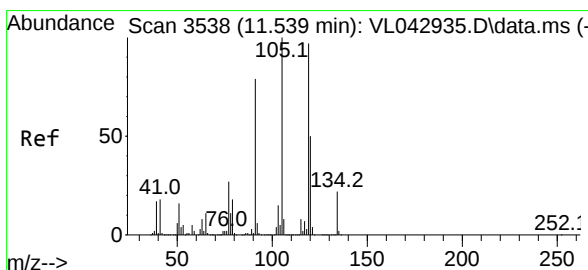
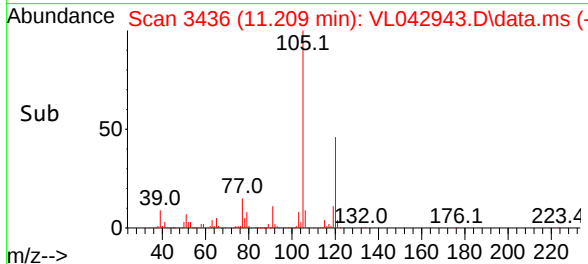
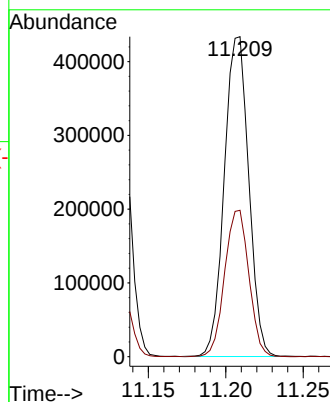
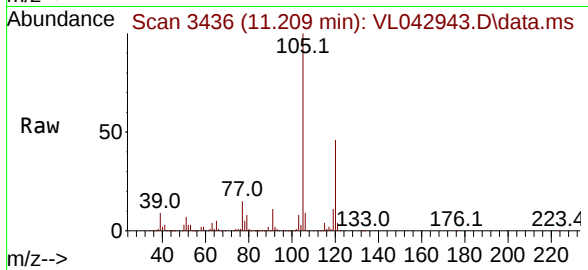
120 45.7 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2025

Supervised By :Mahesh Dadoda 09/24/2025



#74

1,2,4-Trimethylbenzene

Concen: 12.713 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.001 min

Lab File: VL042943.D

Acq: 18 Sep 2025 12:49

Tgt Ion:105 Resp: 547542

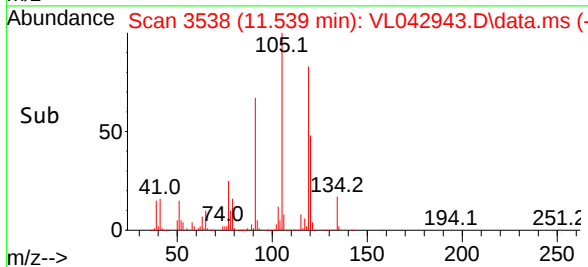
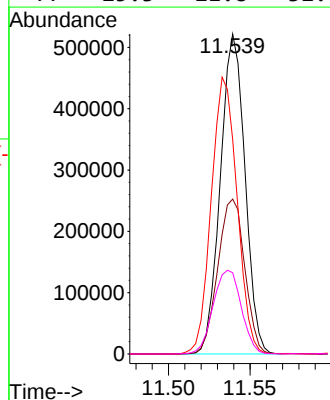
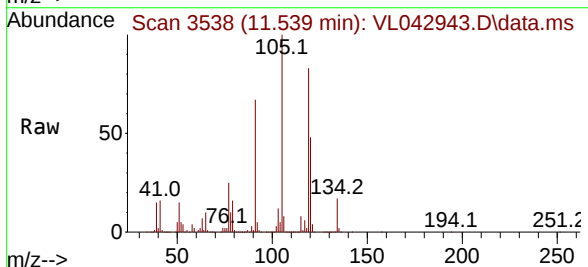
Ion Ratio Lower Upper

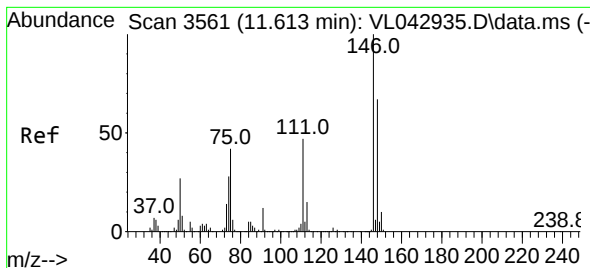
105 100

120 48.4 39.8 59.6

91 67.0 63.1 94.7

77 25.3 21.8 32.6





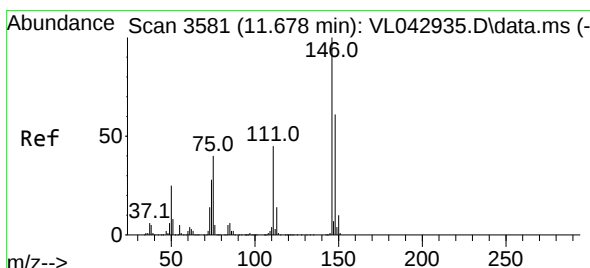
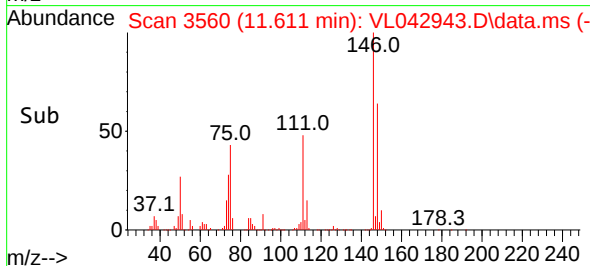
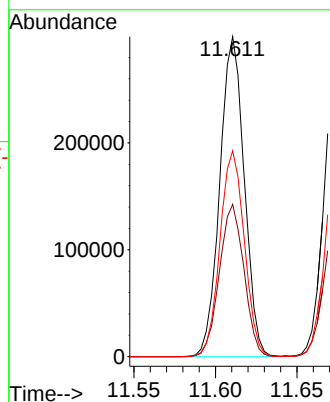
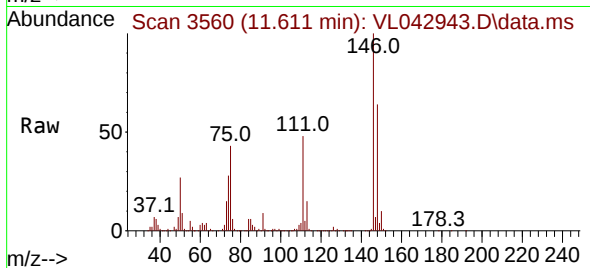
#75
1,3-Dichlorobenzene
Concen: 11.420 ppbv
RT: 11.611 min Scan# 3560
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02

Tgt Ion:146 Resp: 311810
Ion Ratio Lower Upper
146 100
111 47.9 24.1 72.2
148 64.1 31.8 95.3

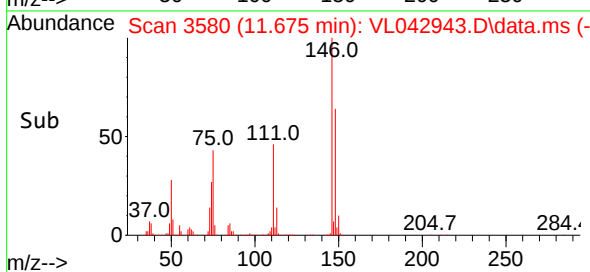
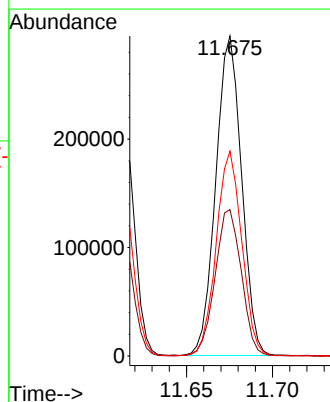
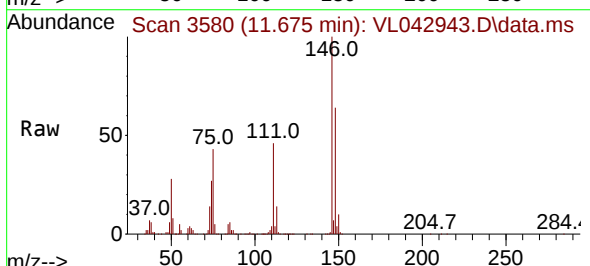
Manual Integrations
APPROVED

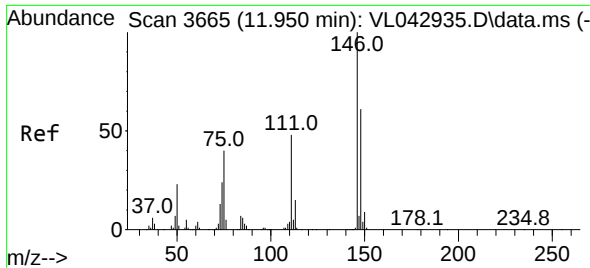
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#76
1,4-Dichlorobenzene
Concen: 11.688 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Tgt Ion:146 Resp: 307014
Ion Ratio Lower Upper
146 100
111 46.9 23.0 69.0
148 63.9 31.8 95.4





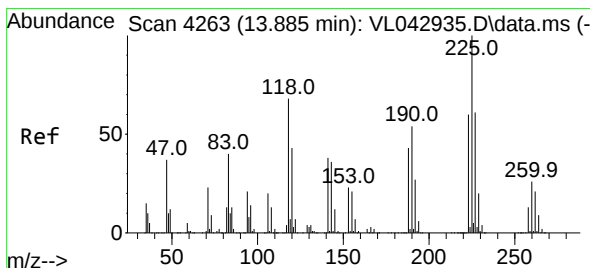
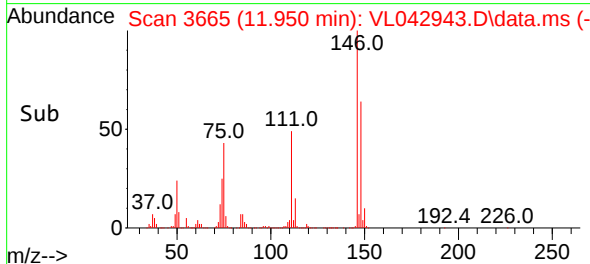
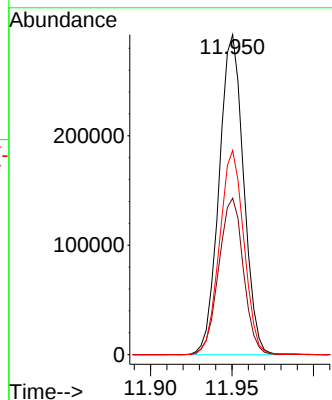
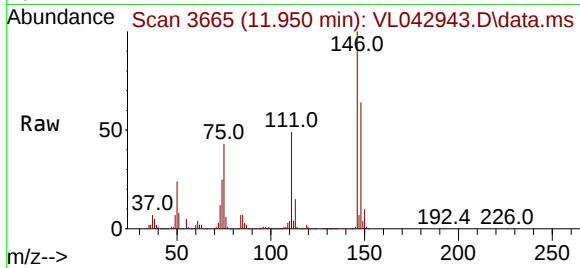
#77
1,2-Dichlorobenzene
Concen: 11.073 ppbv
RT: 11.950 min Scan# 30
Delta R.T. 0.001 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02

Tgt Ion:146 Resp: 305054
Ion Ratio Lower Upper
146 100
111 49.4 24.6 73.8
148 63.6 31.4 94.2

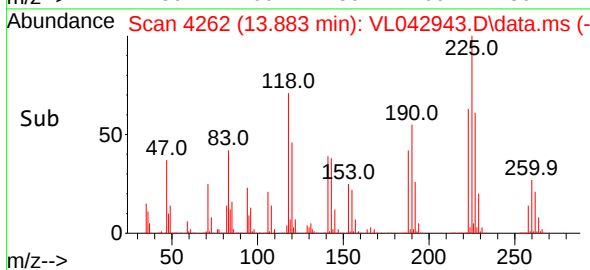
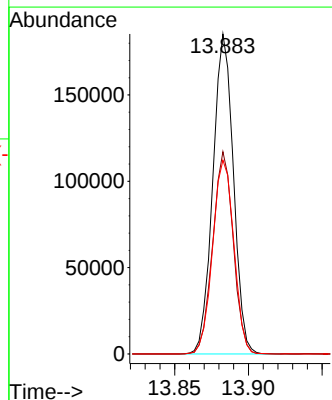
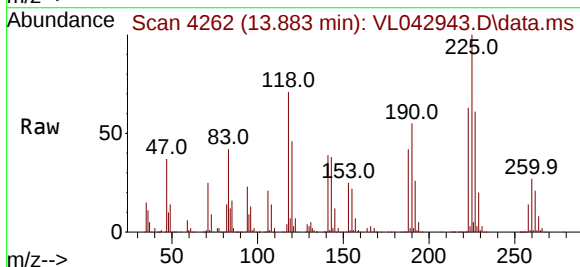
Manual Integrations
APPROVED

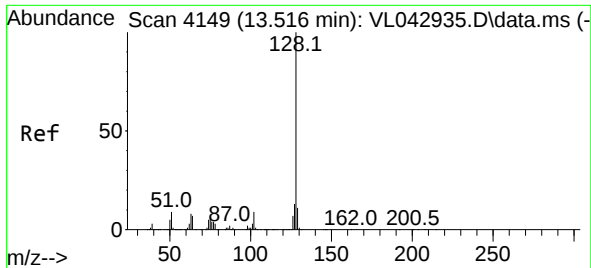
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#78
Hexachloro-1,3-Butadiene
Concen: 10.213 ppbv
RT: 13.883 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

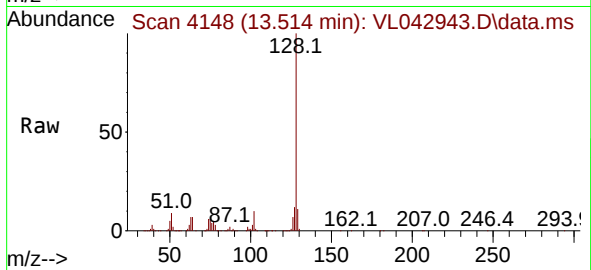
Tgt Ion:225 Resp: 179681
Ion Ratio Lower Upper
225 100
223 63.1 50.6 76.0
227 62.5 50.5 75.7





#79
Naphthalene
Concen: 10.182 ppbv
RT: 13.514 min Scan# 4149
Delta R.T. -0.002 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49

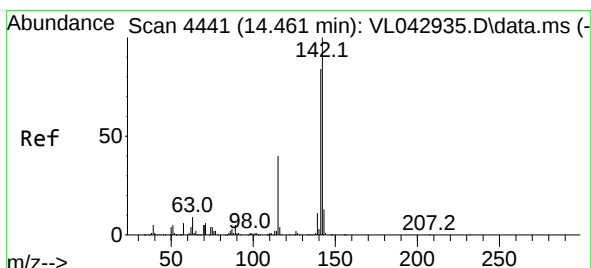
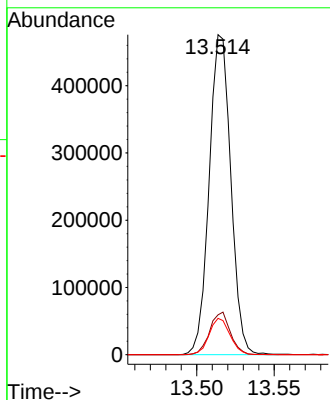
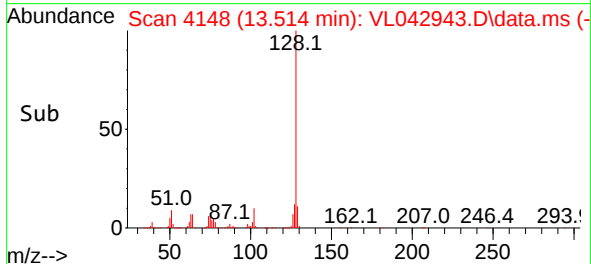
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02



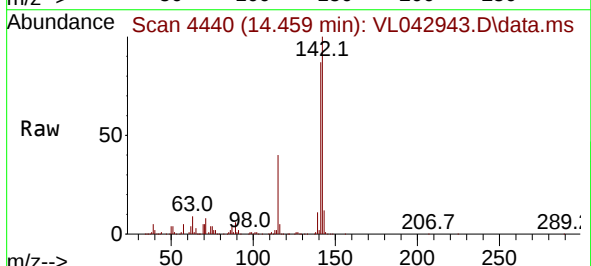
Tgt Ion:128 Resp: 461409
Ion Ratio Lower Upper
128 100
127 12.4 10.3 15.5
129 11.3 8.7 13.1

Manual Integrations
APPROVED

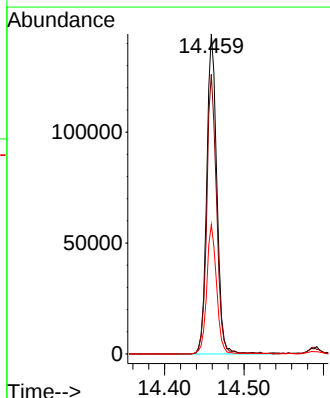
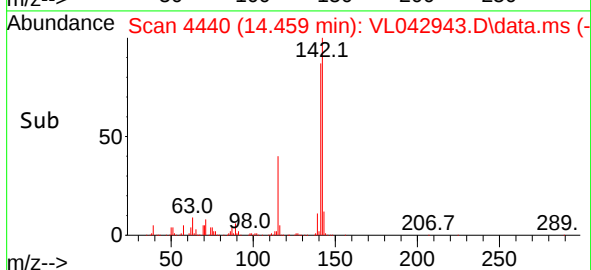
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025

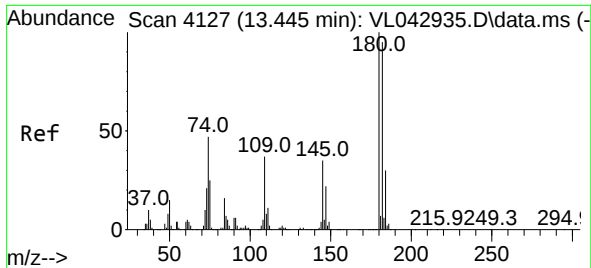


#80
Naphthalene,2-methyl-
Concen: 9.012 ppbv
RT: 14.459 min Scan# 4440
Delta R.T. -0.002 min
Lab File: VL042943.D
Acq: 18 Sep 2025 12:49



Tgt Ion:142 Resp: 127799
Ion Ratio Lower Upper
142 100
141 86.0 67.0 100.6
115 39.3 32.0 48.0





#81

1,2,4-Trichlorobenzene

Concen: 10.109 ppbv

RT: 13.442 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042943.D

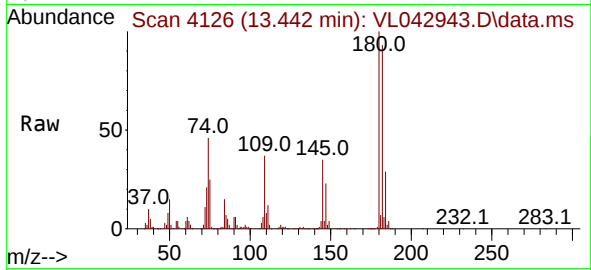
Acq: 18 Sep 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS02



Tgt Ion:180 Resp: 219809

Ion Ratio Lower Upper

180 100

182 95.2 75.5 113.3

184 29.0 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2025

Supervised By :Mahesh Dadoda 09/24/2025

