

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
 Data File : VL042930.D
 Acq On : 17 Sep 2025 10:48
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 18 02:27:39 2025

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

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

QLast Update : Thu Sep 18 02:25:28 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	164907	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.958	114	435071	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	369327	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 288273 9.986 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	46802	1.987	ppbv	95
3) Chlorodifluoromethane	1.476	51	49186	1.983	ppbv	100
4) Chloromethane	1.534	50	17675	1.867	ppbv	99
5) Vinyl Chloride	1.580	62	16393	1.836	ppbv #	86
6) Bromomethane	1.670	94	5883	1.896	ppbv	92
7) Chloroethane	1.706	64	6270	1.906	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	36390	1.947	ppbv	98
9) Propene	1.482	41	18062	1.994	ppbv	99
10) Heptane	4.981	43	44603	1.988	ppbv	99
11) Trichlorofluoromethane	1.877	101	45172	1.941	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	35102	1.931	ppbv	99
13) Ethanol	1.722	45	1853	2.007	ppbv	86
14) Bromoethene	1.780	108	12079	1.865	ppbv	99
15) Acetone	1.835	43	41083	2.028	ppbv	94
16) 1,3-Butadiene	1.609	39	15580	1.839	ppbv	97
17) tert-Butyl alcohol	2.042	59	36744	1.884	ppbv	98
18) 1,1-Dichloroethene	2.036	96	15909	1.999	ppbv	96
19) Isopropyl Alcohol	1.887	45	20335	1.873	ppbv #	1
20) Methylene Chloride	2.062	84	16824	1.908	ppbv	97
21) Allyl Chloride	2.097	41	26855	1.956	ppbv	98
22) trans-1,2-Dichloroethene	2.340	96	17418	1.931	ppbv	96
23) Vinyl Acetate	2.463	43	44744	1.901	ppbv	99
24) 1,1-Dichloroethane	2.408	63	34643	1.944	ppbv	97
25) Ethyl Acetate	2.835	43	86728	2.005	ppbv	99
26) Hexane	2.829	57	37751	2.034	ppbv	97
27) Carbon Disulfide	2.152	76	43441	1.897	ppbv #	71
28) Methyl tert-Butyl Ether	2.441	73	18935	1.856	ppbv	97
29) Chloroform	2.848	83	60110	1.981	ppbv	96
30) Cyclohexane	3.855	84	26874m	1.922	ppbv	
31) cis-1,2-Dichloroethene	2.722	61	36341	2.005	ppbv	99
32) 1,1,1-Trichloroethane	3.369	97	54810	1.931	ppbv	100
34) 2-Butanone	2.560	43	57314	2.032	ppbv	100
35) Carbon Tetrachloride	3.764	117	55818	1.805	ppbv	99
36) Benzene	3.658	78	73010	1.924	ppbv	95
37) 1,2-Dichloroethane	3.221	62	44529	1.959	ppbv	100
38) Trichloroethene	4.548	130	30836	1.795	ppbv	98
39) 1,2-Dichloropropane	4.311	63	29453m	1.921	ppbv	
40) 1,4-Dioxane	4.599	88	9832m	1.807	ppbv	
41) Tetrahydrofuran	3.059	42	25945	1.871	ppbv	99
42) Bromodichloromethane	4.493	83	62170	1.906	ppbv	94
43) Methyl Methacrylate	4.884	69	23990m	1.885	ppbv	
44) 2,2,4-Trimethylpentane	4.645	57	127979	2.022	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	24591	1.836	ppbv	100

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Instrument :
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Manual Integrations
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Reviewed By :Semsettin Yesilyurt 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 18 02:27:39 2025

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

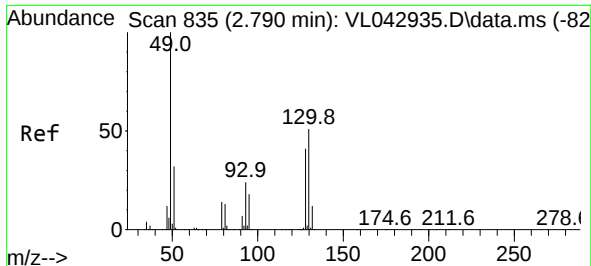
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Thu Sep 18 02:25:28 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	33947	1.838	ppbv	96
47) 1,1,2-Trichloroethane	6.580	97	30589m	1.956	ppbv	
48) Dibromochloromethane	7.389	129	46665	1.905	ppbv	98
49) Bromoform	9.483	173	36951	1.933	ppbv	99
50) 4-Methyl-2-Pentanone	5.761	43	63384	1.886	ppbv	99
51) 2-Hexanone	7.441	43	44357	1.793	ppbv #	95
52) Tetrachloroethene	8.228	164	22859m	1.937	ppbv	
53) Toluene	6.939	91	65999m	1.866	ppbv	
54) 1,2-Dibromoethane	7.655	107	38670	1.923	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.927	131	36390	1.934	ppbv	95
57) Chlorobenzene	8.924	112	66303	1.942	ppbv	98
58) Ethyl Benzene	9.357	91	88328	1.856	ppbv	99
59) m/p-Xylene	9.551	91	163157m	4.057	ppbv	
60) o-Xylene	9.966	91	80966	2.025	ppbv	99
61) Styrene	9.875	104	25108	1.690	ppbv	98
62) Isopropylbenzene	10.542	105	113843	1.955	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.962	83	55150	1.910	ppbv	97
64) n-propylbenzene	10.992	120	30484	2.019	ppbv	97
65) tert-Butylbenzene	11.532	119	103228	2.074	ppbv	99
66) Benzyl Chloride	11.616	91	8657	1.872	ppbv	98
67) sec-Butylbenzene	11.769	105	154393	2.039	ppbv	99
69) p-Isopropyltoluene	11.927	119	118634	2.033	ppbv	98
70) n-Butylbenzene	12.283	91	126244	1.872	ppbv	98
71) 2-Chlorotoluene	10.904	91	82459	1.908	ppbv	100
72) 4-Ethyltoluene	11.128	105	92502	1.838	ppbv	98
73) 1,3,5-Trimethylbenzene	11.205	105	79446	2.009	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	98757	2.125	ppbv #	84
75) 1,3-Dichlorobenzene	11.607	146	59236	2.010	ppbv	98
76) 1,4-Dichlorobenzene	11.671	146	56252	1.984	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	60057	2.020	ppbv	100
78) Hexachloro-1,3-Butadiene	13.882	225	37895	1.996	ppbv	98
79) Naphthalene	13.513	128	71767	1.785	ppbv	98
80) Naphthalene,2-methyl-	14.461	142	16473	1.745	ppbv	100
81) 1,2,4-Trichlorobenzene	13.442	180	35795	1.886	ppbv	96

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



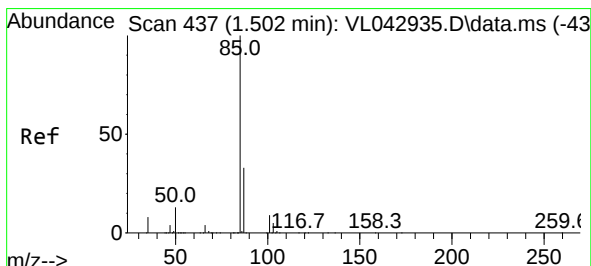
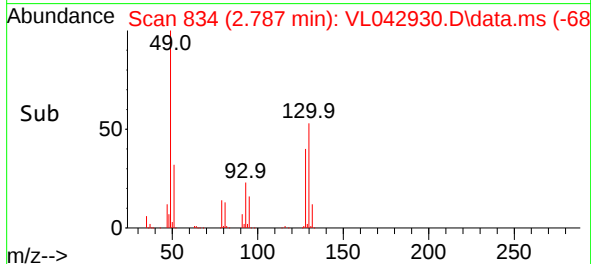
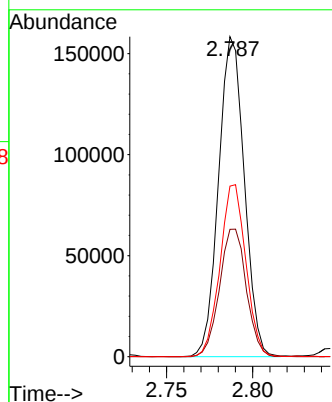
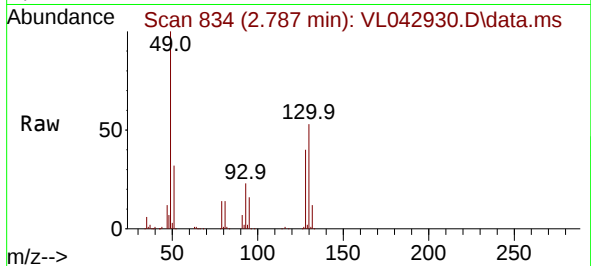
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 16490
Ion Ratio Lower Upper
49 100
128 41.4 21.1 63.4
130 54.1 26.4 79.2

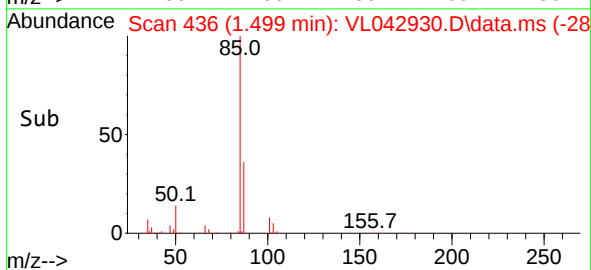
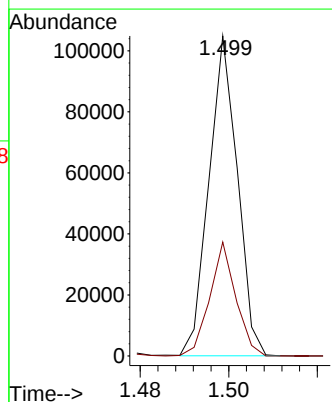
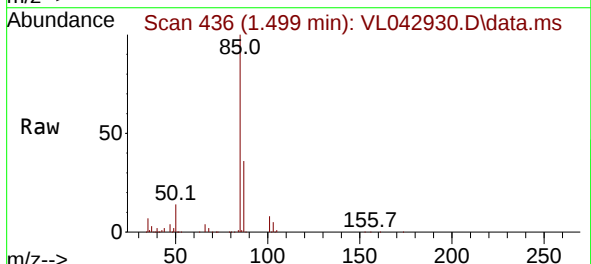
Manual Integrations
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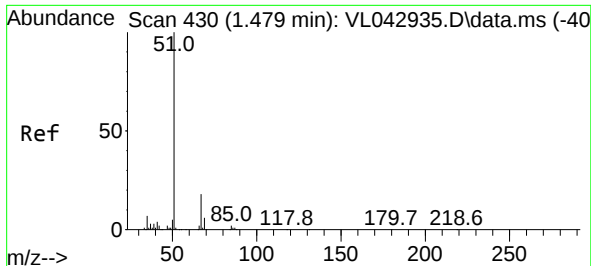
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#2
Dichlorodifluoromethane
Concen: 1.987 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

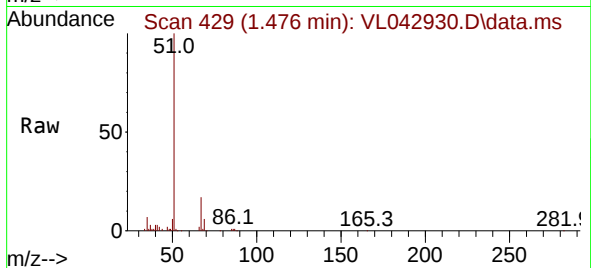
Tgt Ion: 85 Resp: 46802
Ion Ratio Lower Upper
85 100
87 35.6 26.1 39.1





#3
Chlorodifluoromethane
Concen: 1.983 ppbv
RT: 1.476 min Scan# 430
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

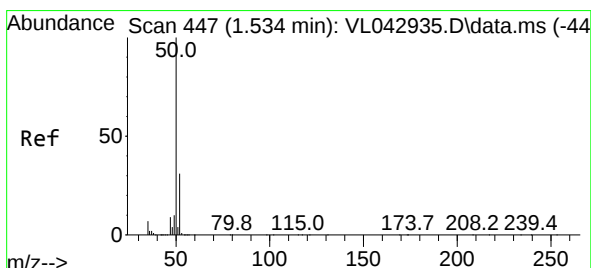
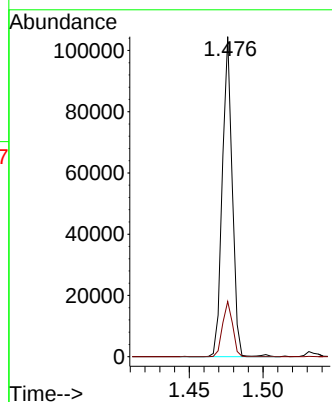
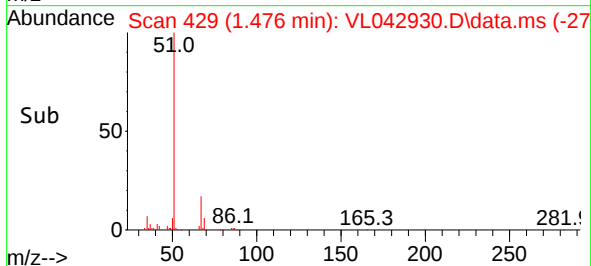
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



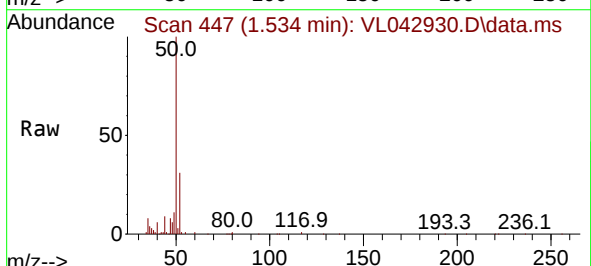
Tgt Ion: 51 Resp: 49180
Ion Ratio Lower Upper
51 100
67 17.4 14.1 21.1

Manual Integrations
APPROVED

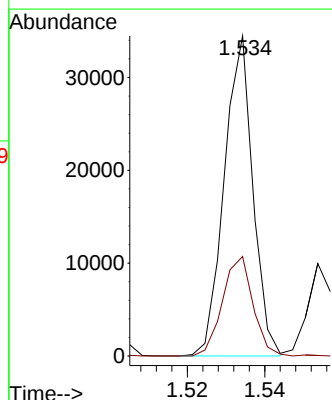
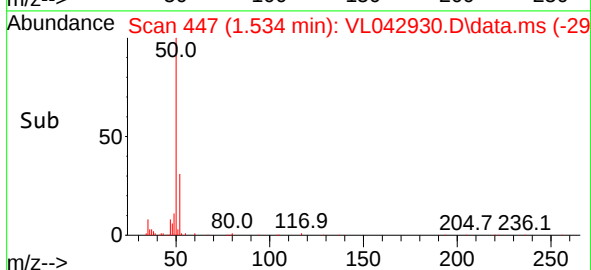
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

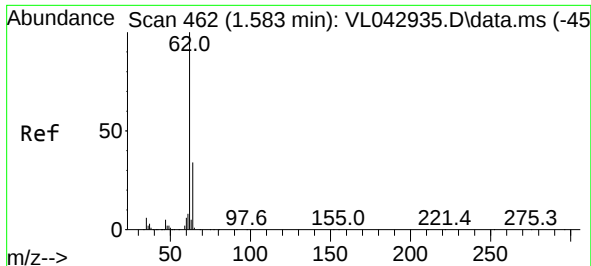


#4
Chloromethane
Concen: 1.867 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48



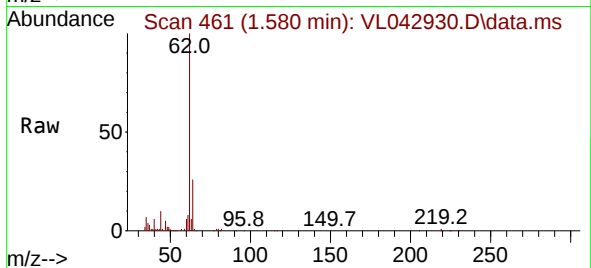
Tgt Ion: 50 Resp: 17675
Ion Ratio Lower Upper
50 100
52 31.1 24.6 36.8





#5
Vinyl Chloride
Concen: 1.836 ppbv
RT: 1.580 min Scan# 461
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

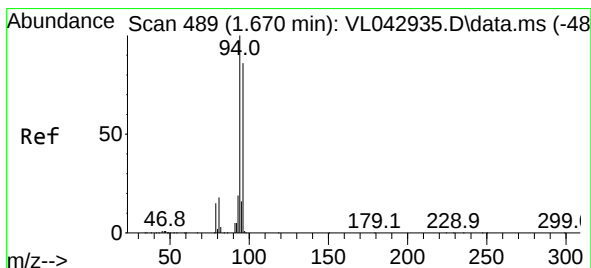
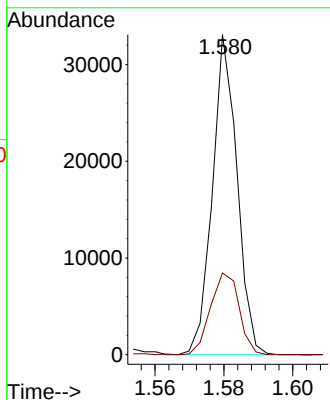
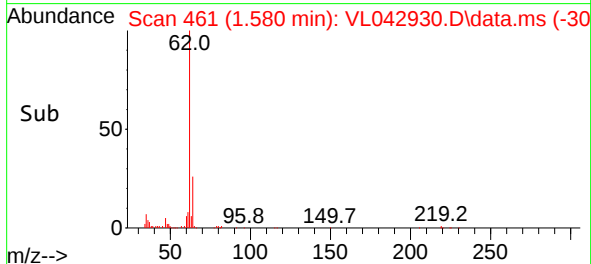
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



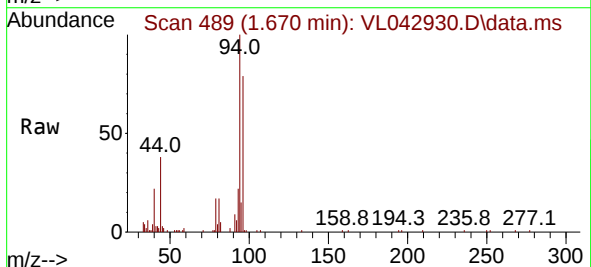
Tgt Ion: 62 Resp: 1639
Ion Ratio Lower Upper
62 100
64 25.5 27.0 40.6

Manual Integrations
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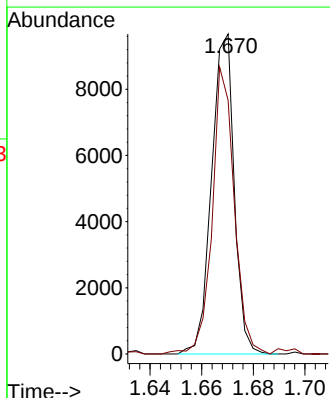
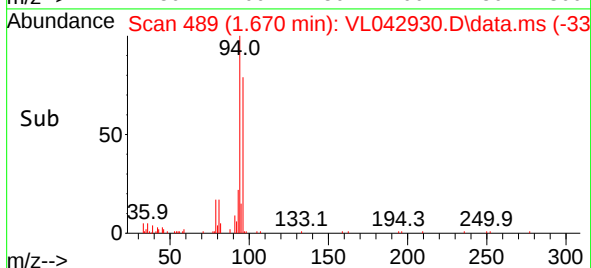
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

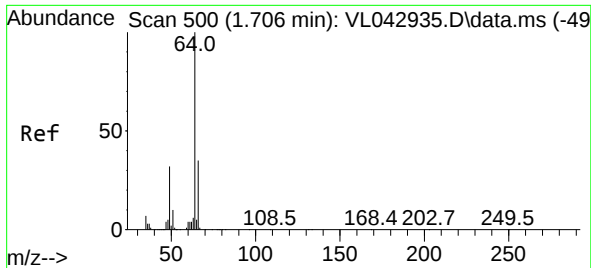


#6
Bromomethane
Concen: 1.896 ppbv
RT: 1.670 min Scan# 489
Delta R.T. -0.000 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48



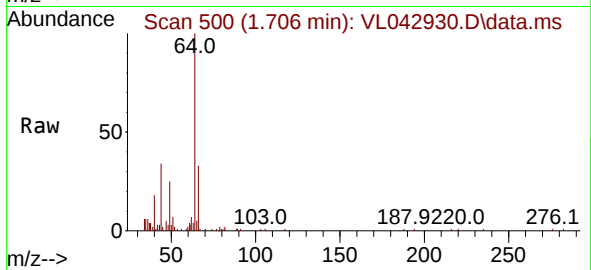
Tgt Ion: 94 Resp: 5883
Ion Ratio Lower Upper
94 100
96 78.2 68.6 103.0





#7
Chloroethane
Concen: 1.906 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

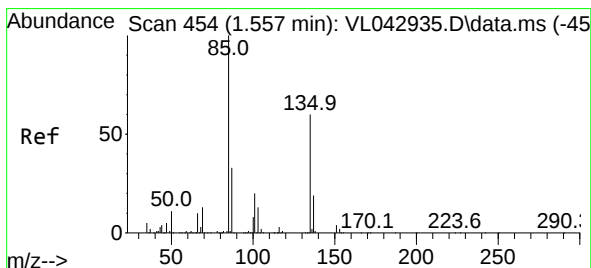
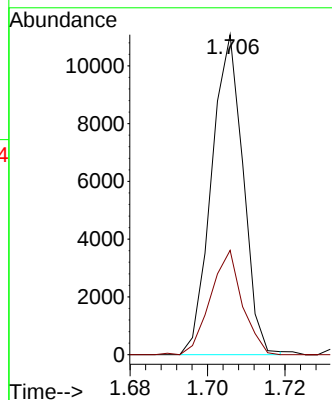
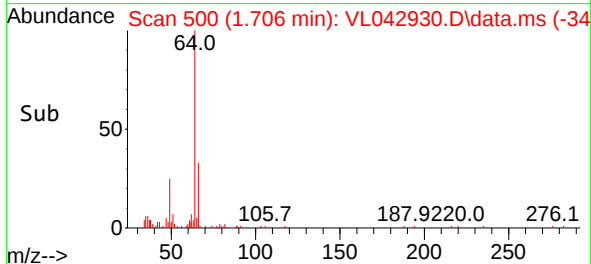
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



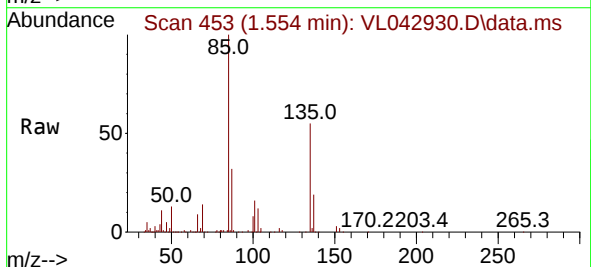
Tgt Ion: 64 Resp: 6270
Ion Ratio Lower Upper
64 100
66 32.6 27.9 41.9

Manual Integrations
APPROVED

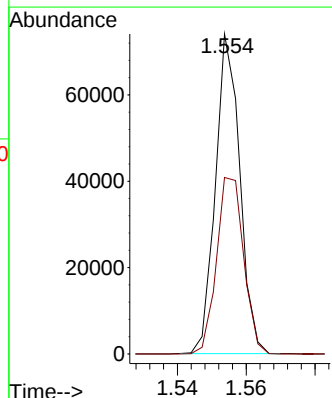
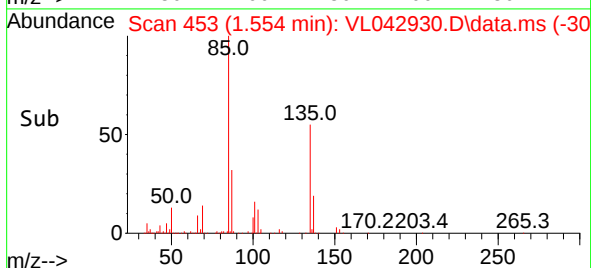
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

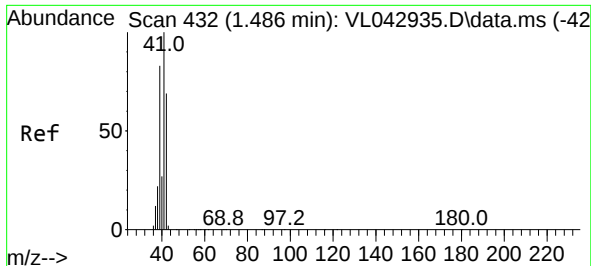


#8
Dichlorotetrafluoroethane
Concen: 1.947 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48



Tgt Ion: 85 Resp: 36390
Ion Ratio Lower Upper
85 100
135 61.5 48.1 72.1





#9

Propene

Concen: 1.994 ppbv

RT: 1.482 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042930.D

Acq: 17 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 41 Resp: 1806

Ion Ratio Lower Upper

41 100

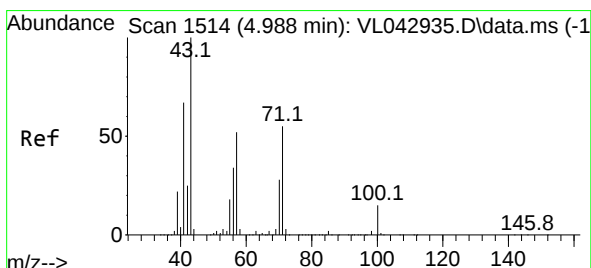
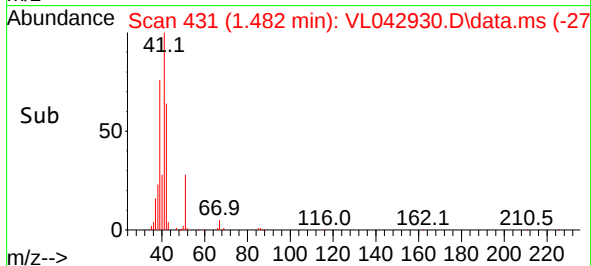
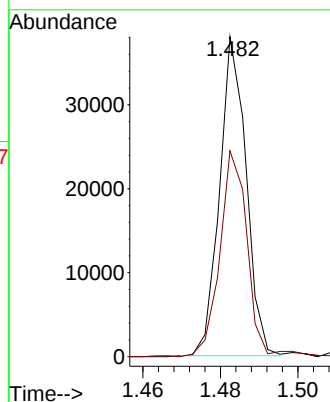
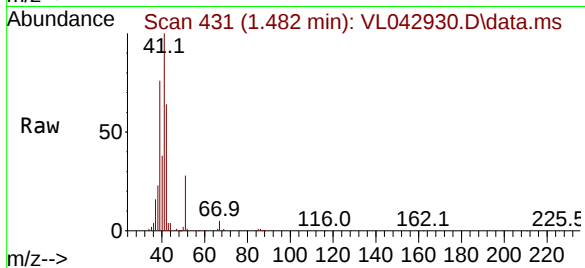
42 67.5 55.0 82.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025



#10

Heptane

Concen: 1.988 ppbv

RT: 4.981 min Scan# 1512

Delta R.T. -0.006 min

Lab File: VL042930.D

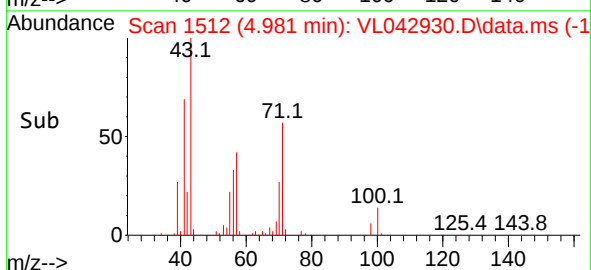
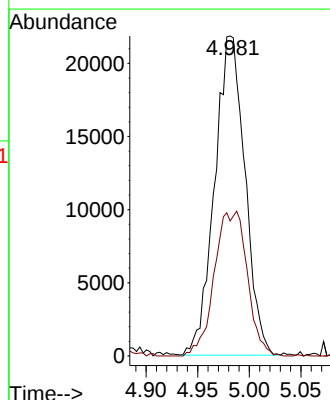
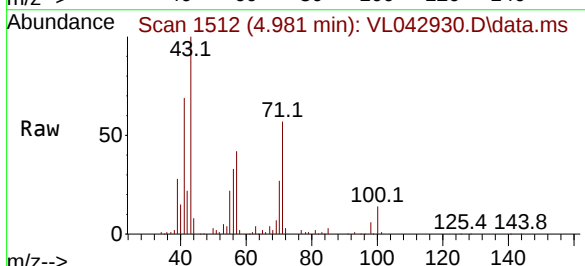
Acq: 17 Sep 2025 10:48

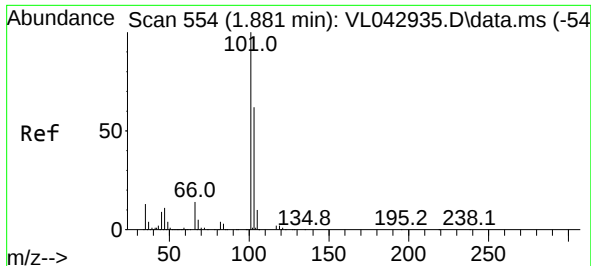
Tgt Ion: 43 Resp: 44603

Ion Ratio Lower Upper

43 100

57 49.2 39.8 59.8





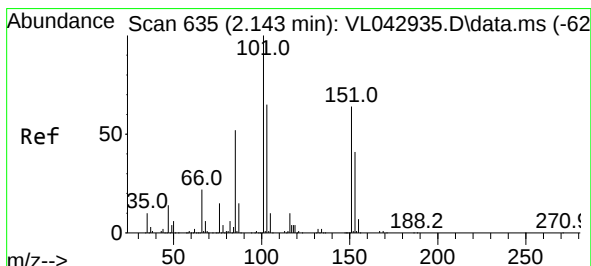
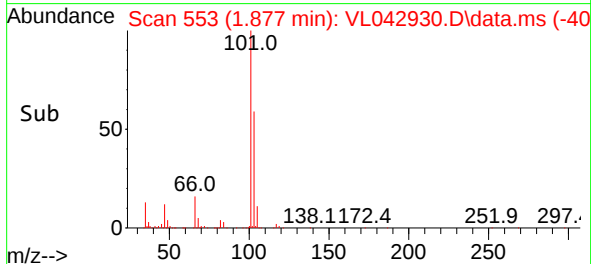
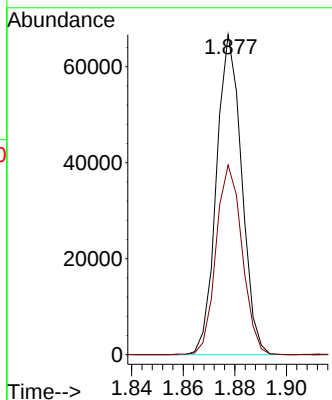
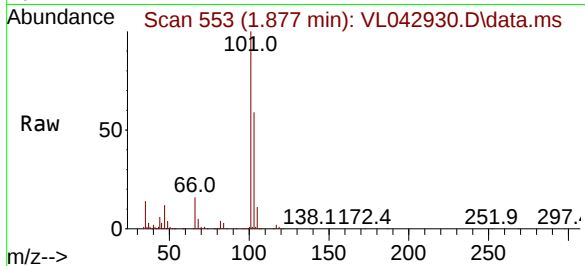
#11
 Trichlorofluoromethane
 Concen: 1.941 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042930.D
 Acq: 17 Sep 2025 10:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:101 Resp: 45172
 Ion Ratio Lower Upper
 101 100
 103 59.1 49.6 74.4

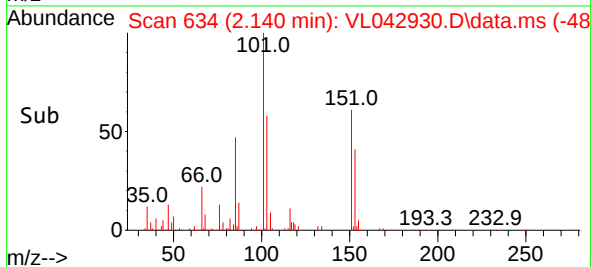
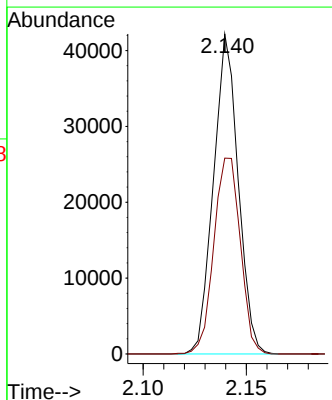
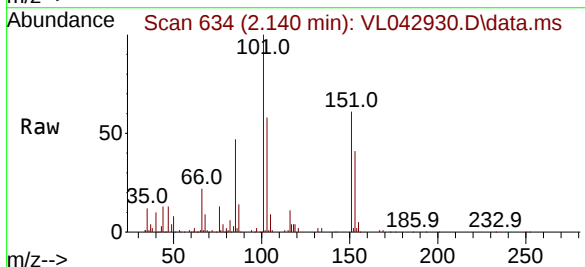
Manual Integrations
 APPROVED

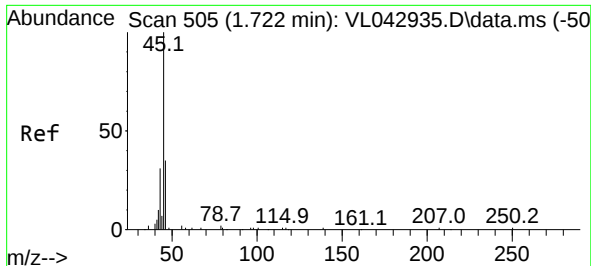
Reviewed By :Semsettin Yesilyurt 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.931 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.003 min
 Lab File: VL042930.D
 Acq: 17 Sep 2025 10:48

Tgt Ion:101 Resp: 35102
 Ion Ratio Lower Upper
 101 100
 151 65.7 51.9 77.9





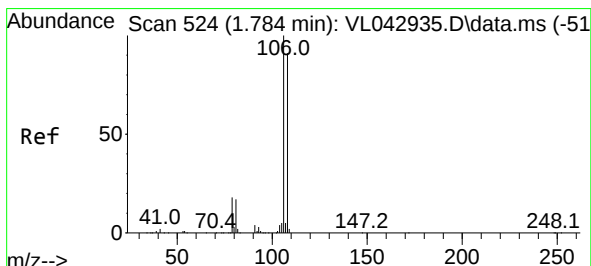
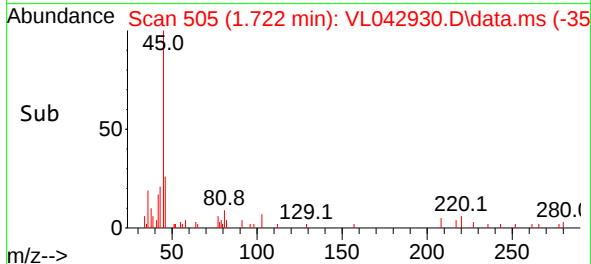
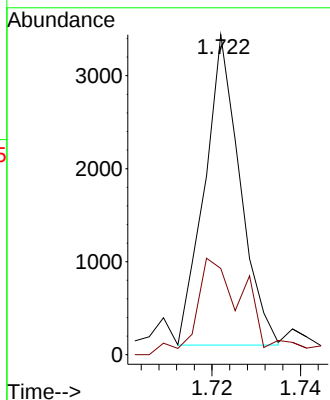
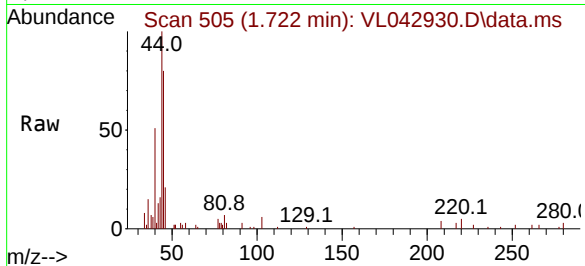
#13
Ethanol
Concen: 2.007 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 45 Resp: 185
Ion Ratio Lower Upper
45 100
46 50.0 16.5 66.1

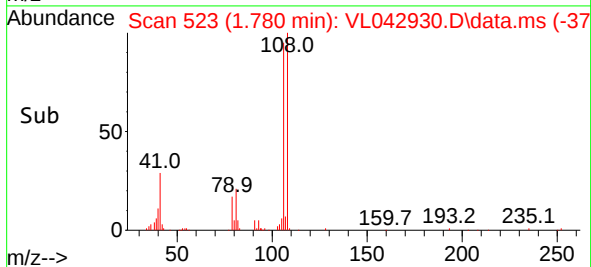
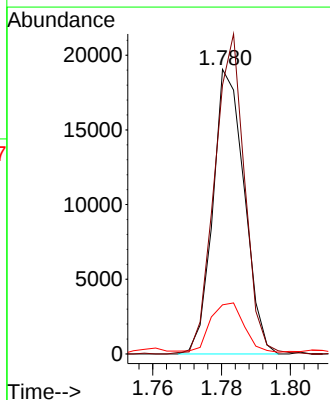
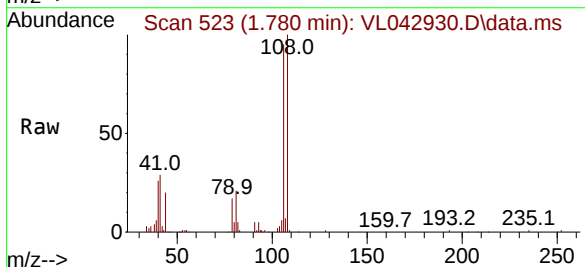
Manual Integrations
APPROVED

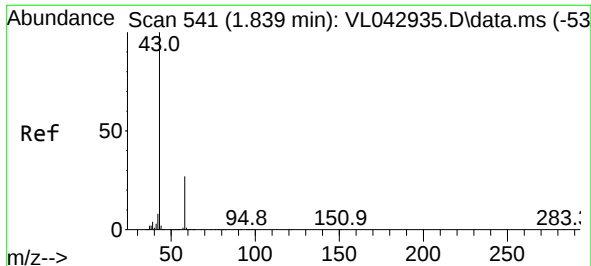
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#14
Bromoethene
Concen: 1.865 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Tgt Ion:108 Resp: 12079
Ion Ratio Lower Upper
108 100
106 107.7 86.0 129.0
79 25.2 17.2 25.8





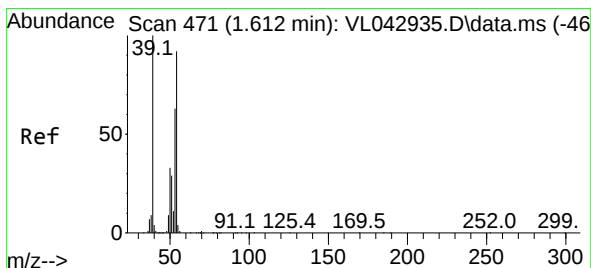
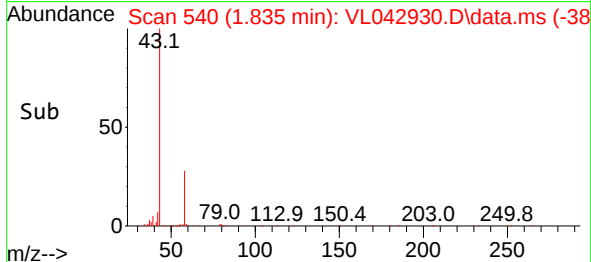
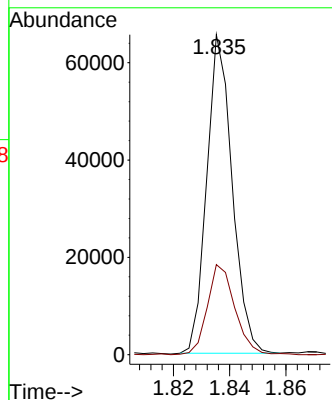
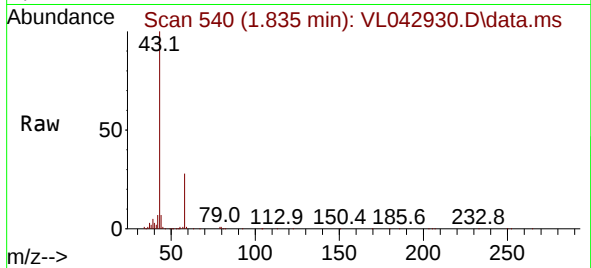
#15
Acetone
Concen: 2.028 ppbv
RT: 1.835 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 43 Resp: 4108
Ion Ratio Lower Upper
43 100
58 30.9 22.2 33.2

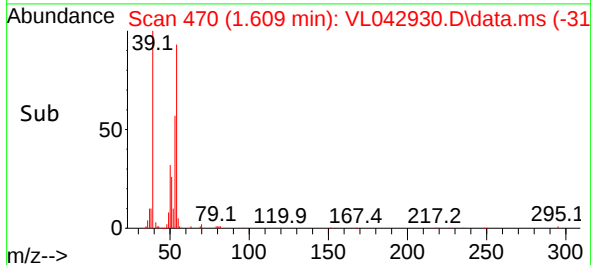
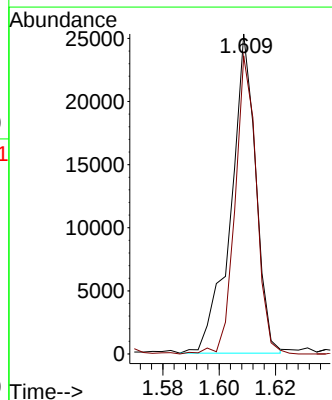
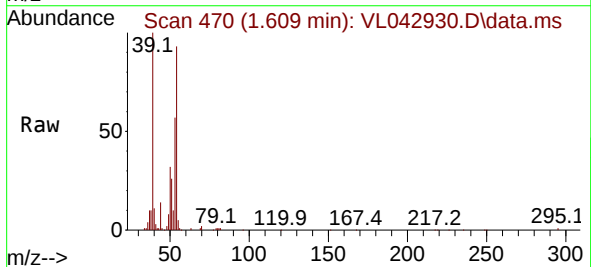
Manual Integrations
APPROVED

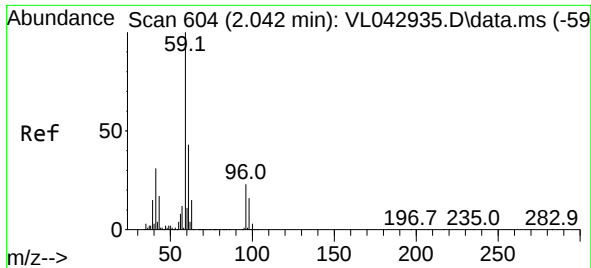
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#16
1,3-Butadiene
Concen: 1.839 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Tgt Ion: 39 Resp: 15580
Ion Ratio Lower Upper
39 100
54 80.2 62.2 93.4





#17

tert-Butyl alcohol

Concen: 1.884 ppbv

RT: 2.042 min Scan# 604

Delta R.T. -0.000 min

Lab File: VL042930.D

Acq: 17 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 59 Resp: 36744

Ion Ratio Lower Upper

59 100

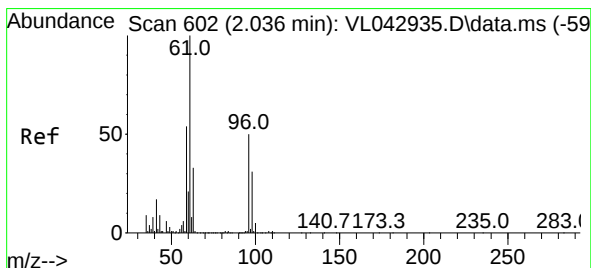
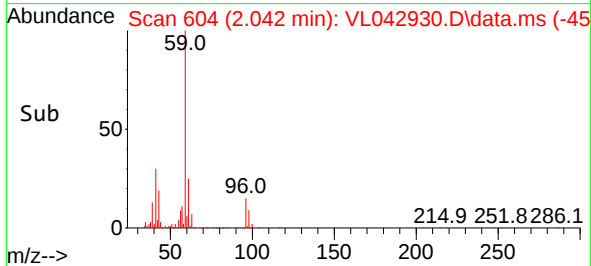
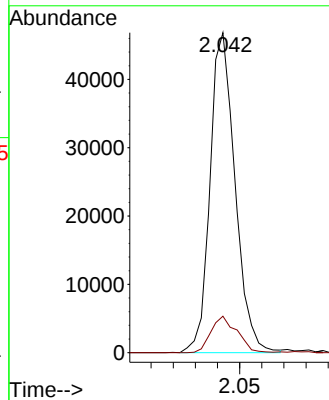
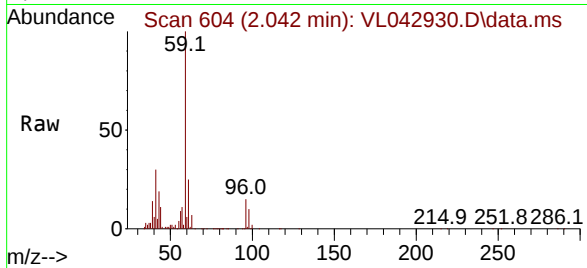
57 12.2 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025



#18

1,1-Dichloroethene

Concen: 1.999 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL042930.D

Acq: 17 Sep 2025 10:48

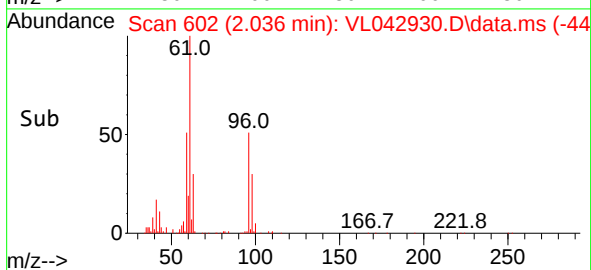
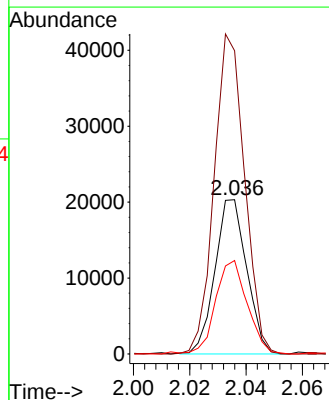
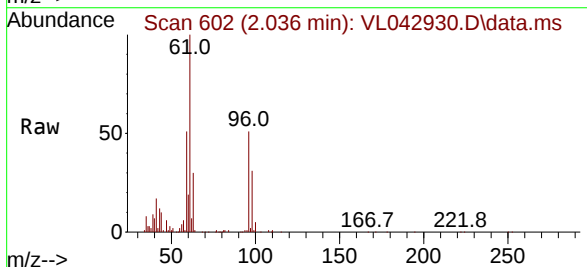
Tgt Ion: 96 Resp: 15909

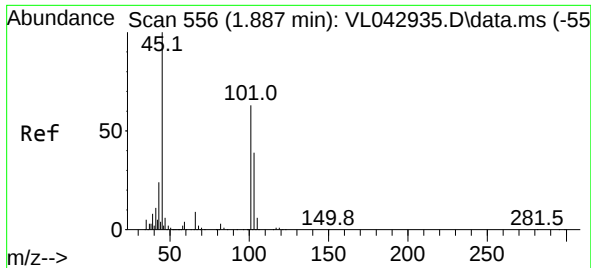
Ion Ratio Lower Upper

96 100

61 196.2 161.1 241.7

98 59.9 50.7 76.1





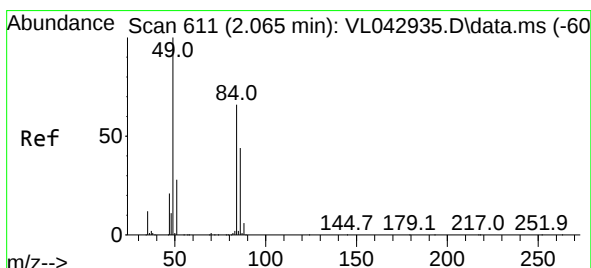
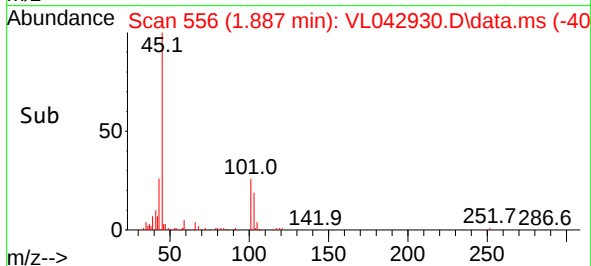
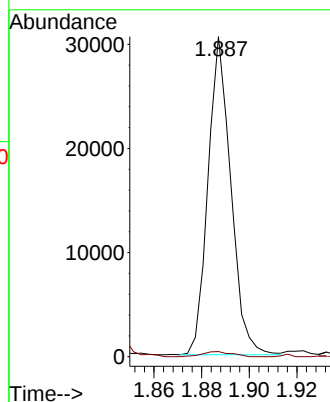
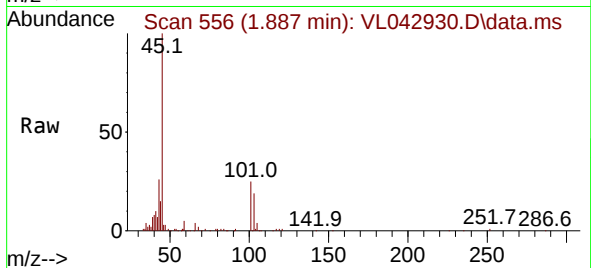
#19
Isopropyl Alcohol
Concen: 1.873 ppbv
RT: 1.887 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 45 Resp: 20335
Ion Ratio Lower Upper
45 100
58 62.4 2.0 3.0

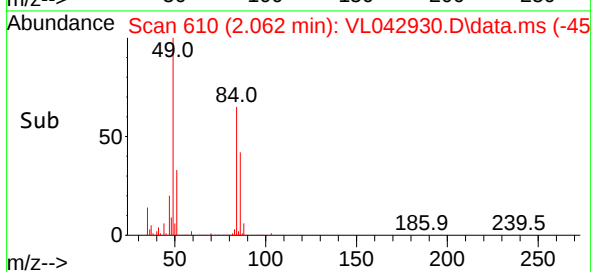
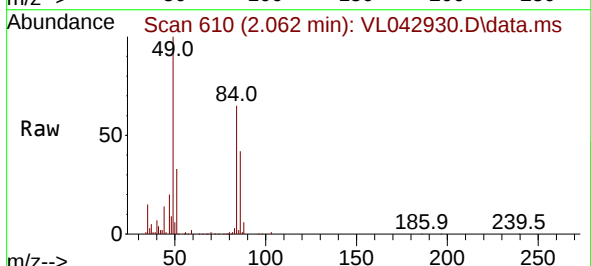
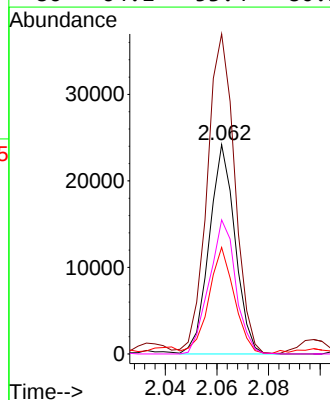
Manual Integrations
APPROVED

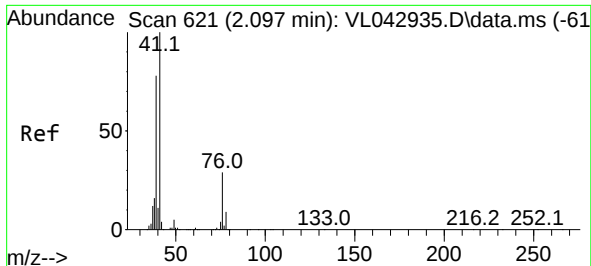
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#20
Methylene Chloride
Concen: 1.908 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

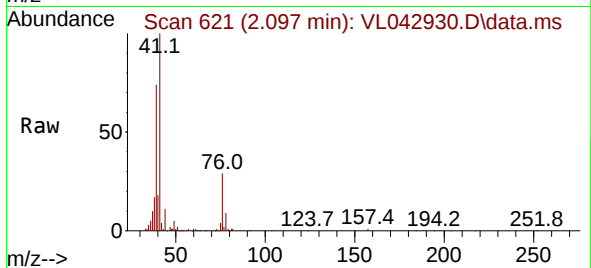
Tgt Ion: 84 Resp: 16824
Ion Ratio Lower Upper
84 100
49 152.6 121.8 182.6
51 50.2 35.6 53.4
86 64.1 53.4 80.2





#21
 Allyl Chloride
 Concen: 1.956 ppbv
 RT: 2.097 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042930.D
 Acq: 17 Sep 2025 10:48

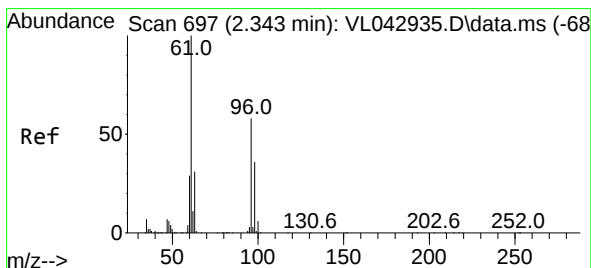
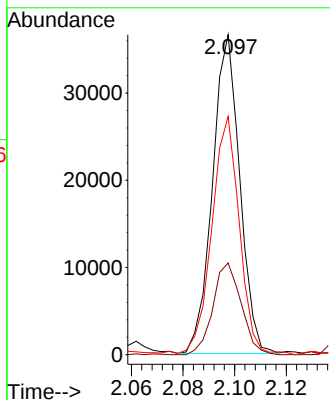
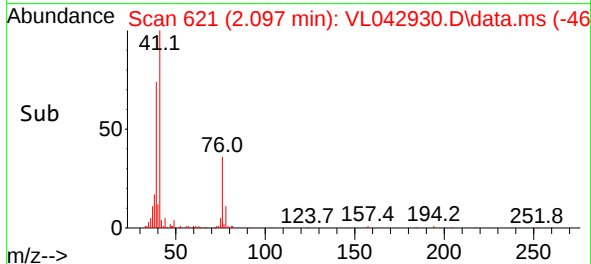
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



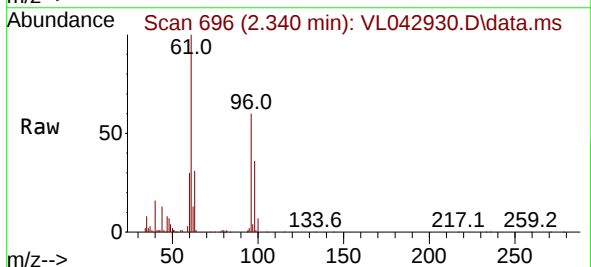
Tgt Ion: 41 Resp: 2685
 Ion Ratio Lower Upper
 41 100
 76 30.0 23.8 35.6
 39 76.5 63.2 94.8

Manual Integrations
 APPROVED

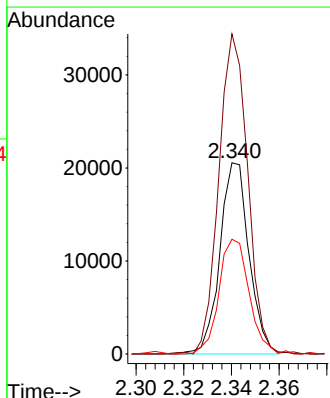
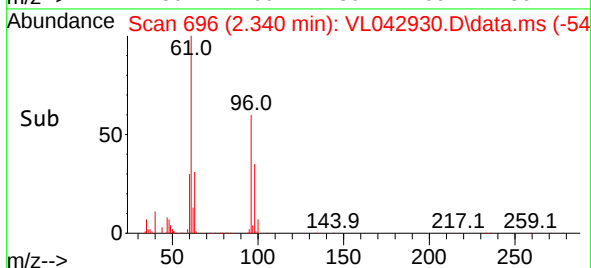
Reviewed By :Semsettin Yesilyurt 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025

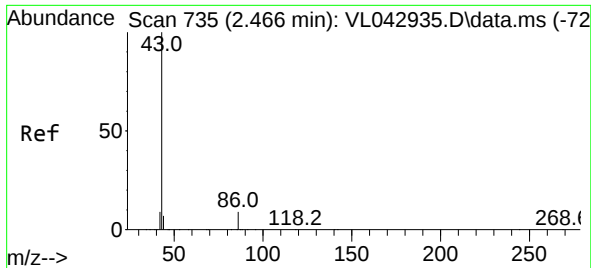


#22
 trans-1,2-Dichloroethene
 Concen: 1.931 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.003 min
 Lab File: VL042930.D
 Acq: 17 Sep 2025 10:48



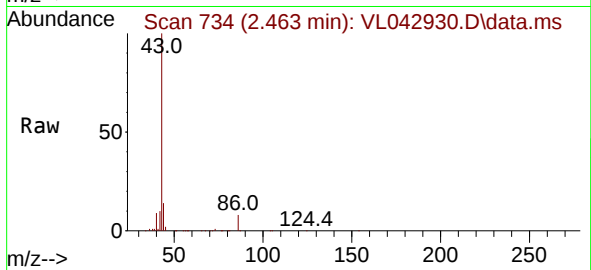
Tgt Ion: 96 Resp: 17418
 Ion Ratio Lower Upper
 96 100
 61 166.6 139.0 208.6
 98 60.0 49.4 74.2





#23
Vinyl Acetate
Concen: 1.901 ppbv
RT: 2.463 min Scan# 717
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

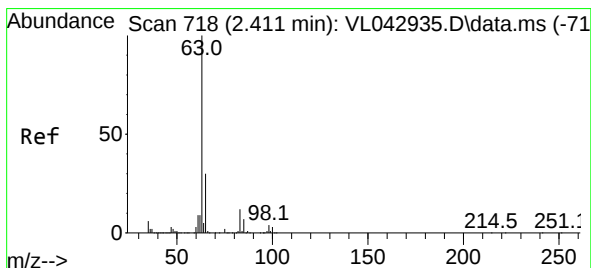
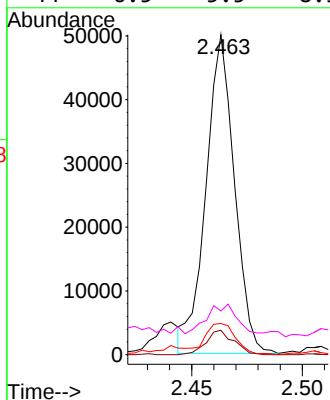
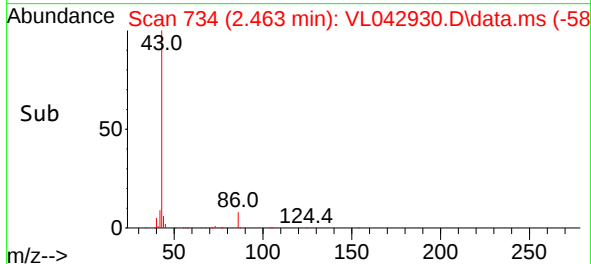
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion:	43	Resp:	44744
Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.4	9.6
42	9.8	7.5	11.3
44	6.5	5.5	8.3

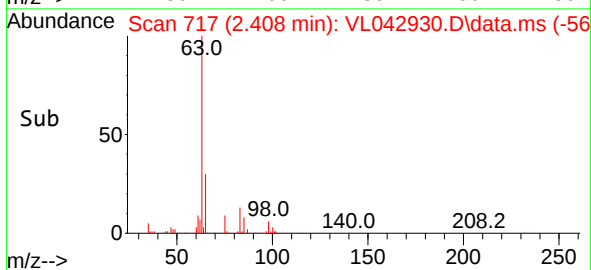
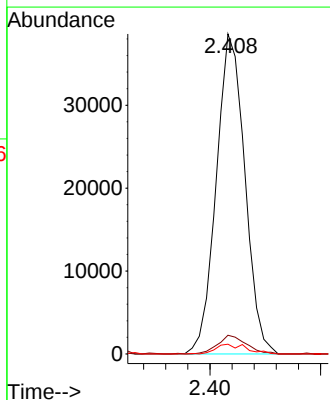
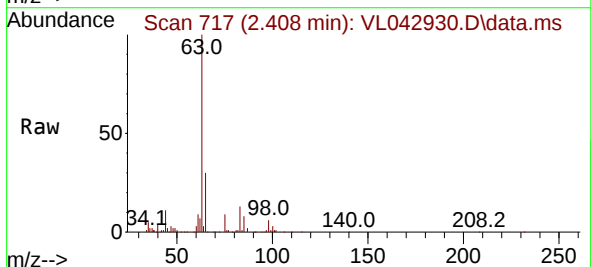
Manual Integrations
APPROVED

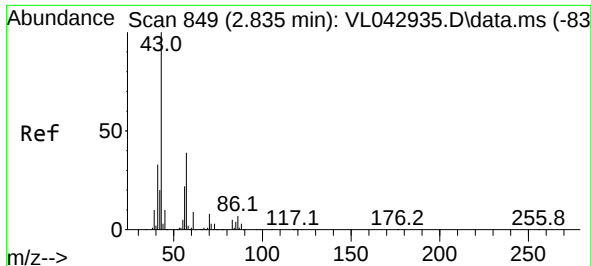
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#24
1,1-Dichloroethane
Concen: 1.944 ppbv
RT: 2.408 min Scan# 717
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Tgt Ion:	63	Resp:	34643
Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.2	6.6
100	3.0	1.7	5.1





#25
Ethyl Acetate
Concen: 2.005 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.000 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

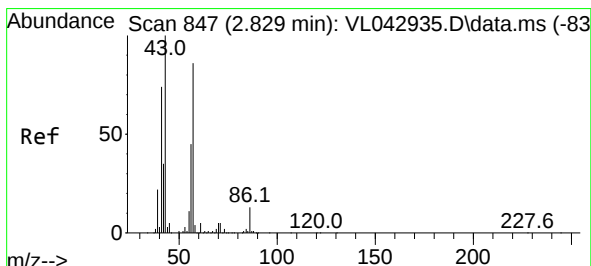
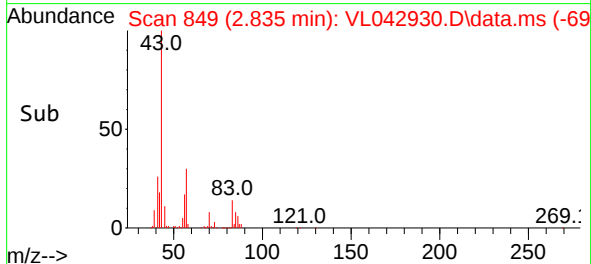
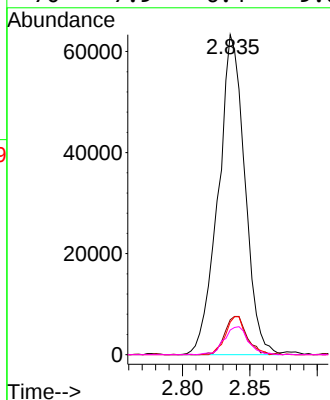
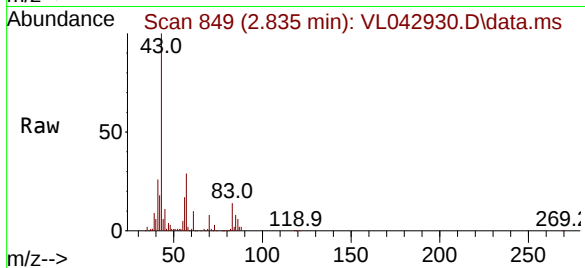
VSTDICC002

Tgt Ion: 43 Resp: 86728
Ion Ratio Lower Upper
43 100
45 10.1 7.8 11.8
61 9.3 7.2 10.8
70 7.9 6.4 9.6

Manual Integrations

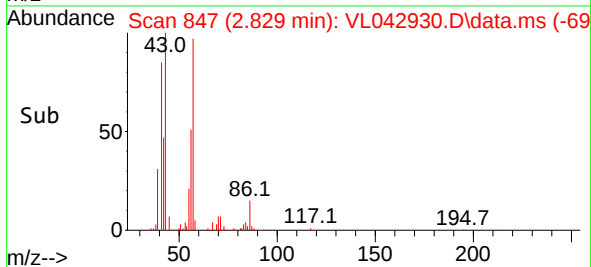
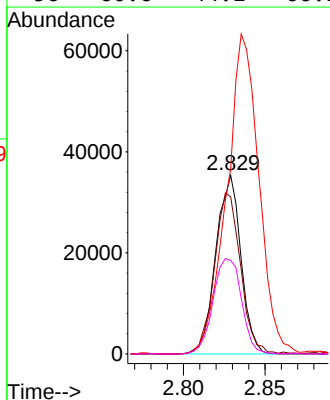
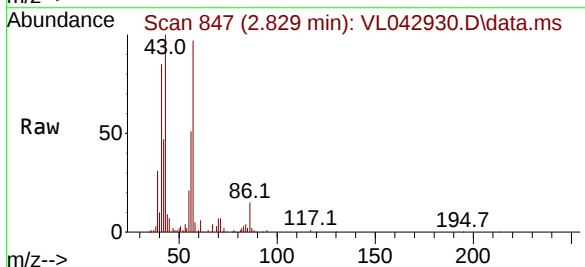
APPROVED

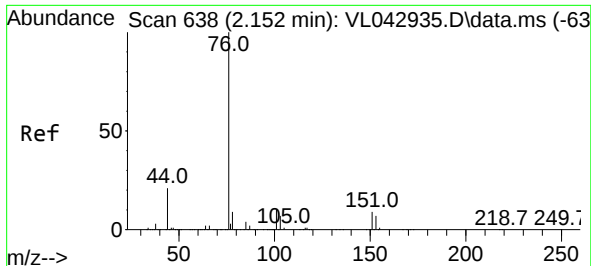
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#26
Hexane
Concen: 2.034 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Tgt Ion: 57 Resp: 37751
Ion Ratio Lower Upper
57 100
41 95.3 71.3 106.9
43 231.1 183.9 275.9
56 60.6 44.1 66.1





#27

Carbon Disulfide

Concen: 1.897 ppbv

RT: 2.152 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL042930.D

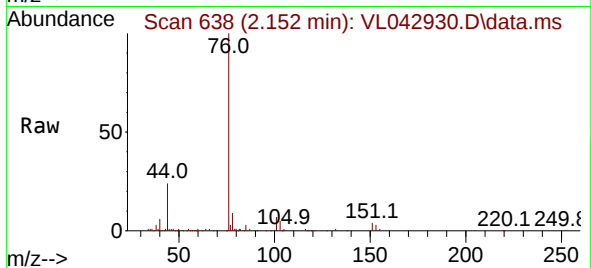
Acq: 17 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002



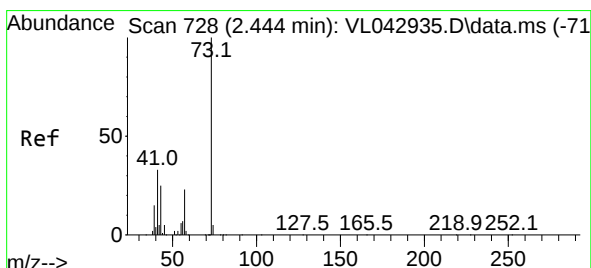
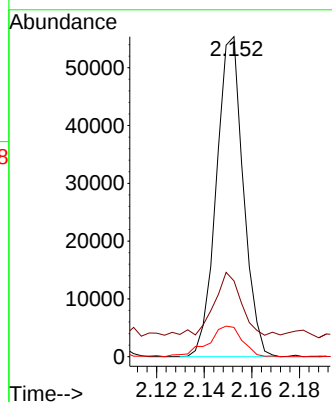
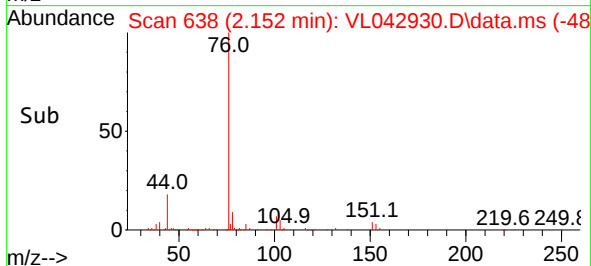
Tgt Ion: 76 Resp: 4344

Ion	Ratio	Lower	Upper
76	100		
44	39.5	15.4	23.0
78	12.3	9.1	13.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#28

Methyl tert-Butyl Ether

Concen: 1.856 ppbv

RT: 2.441 min Scan# 727

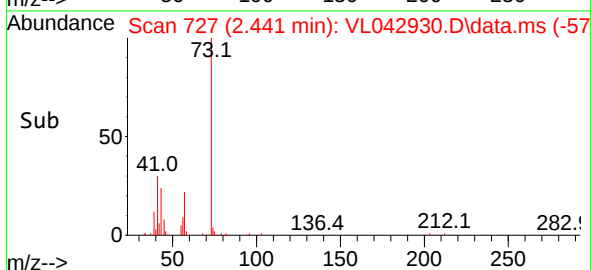
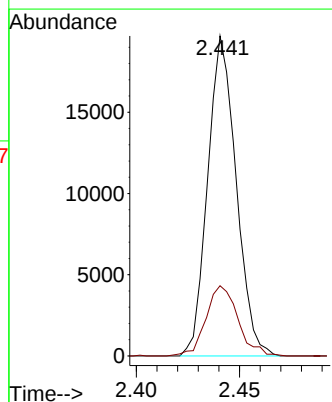
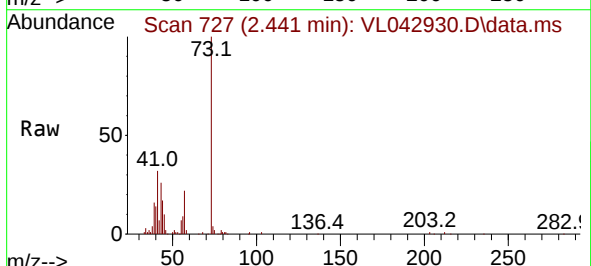
Delta R.T. -0.003 min

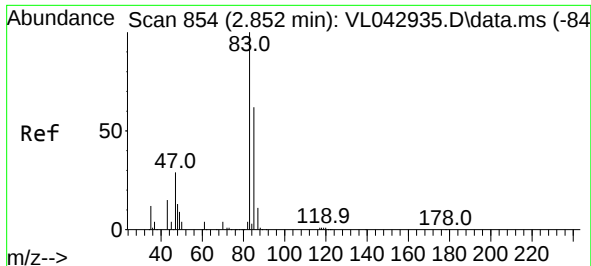
Lab File: VL042930.D

Acq: 17 Sep 2025 10:48

Tgt Ion: 73 Resp: 18935

Ion	Ratio	Lower	Upper
73	100		
57	24.6	18.6	28.0





#29

Chloroform

Concen: 1.981 ppbv

RT: 2.848 min Scan# 853

Delta R.T. -0.003 min

Lab File: VL042930.D

Acq: 17 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 83 Resp: 60110

Ion Ratio Lower Upper

83 100

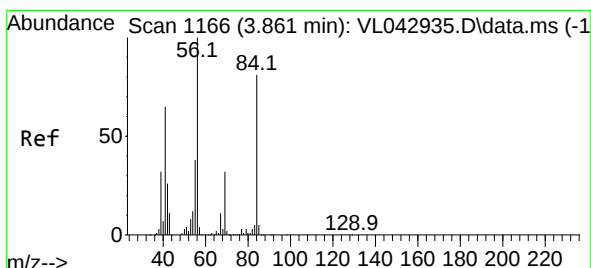
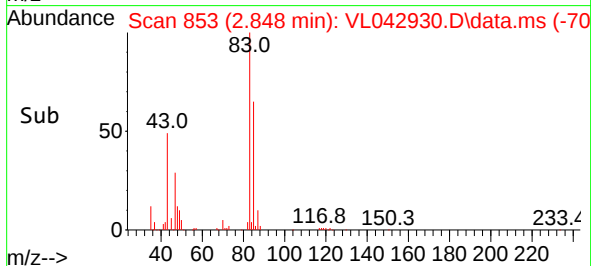
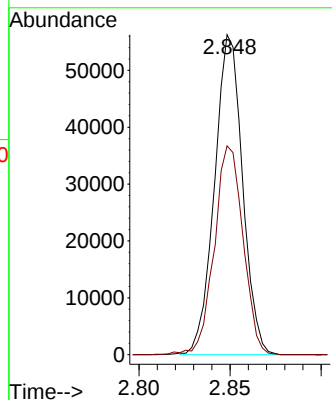
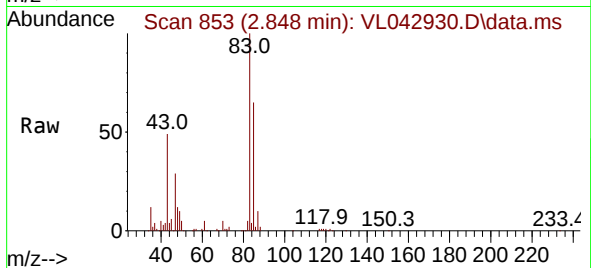
85 65.3 49.7 74.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025



#30

Cyclohexane

Concen: 1.922 ppbv m

RT: 3.855 min Scan# 1164

Delta R.T. -0.006 min

Lab File: VL042930.D

Acq: 17 Sep 2025 10:48

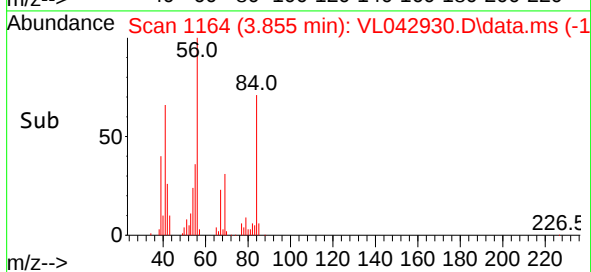
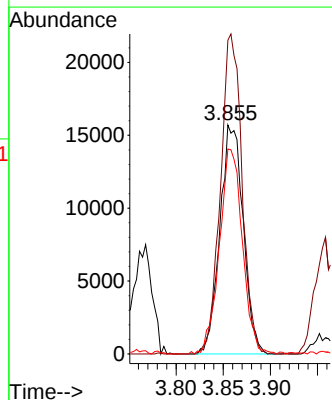
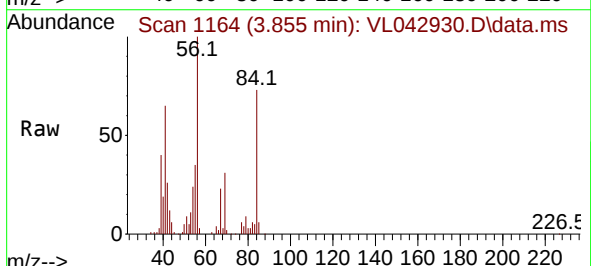
Tgt Ion: 84 Resp: 26874

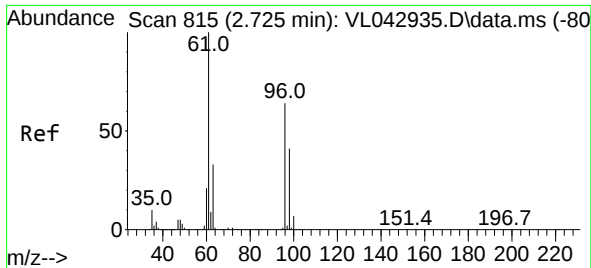
Ion Ratio Lower Upper

84 100

56 0.0 100.6 150.8#

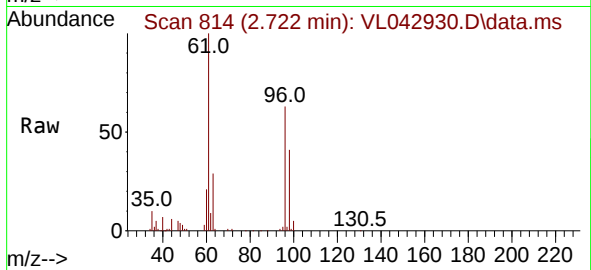
41 88.8 65.4 98.0





#31
 cis-1,2-Dichloroethene
 Concen: 2.005 ppbv
 RT: 2.722 min Scan# 815
 Delta R.T. -0.003 min
 Lab File: VL042930.D
 Acq: 17 Sep 2025 10:48

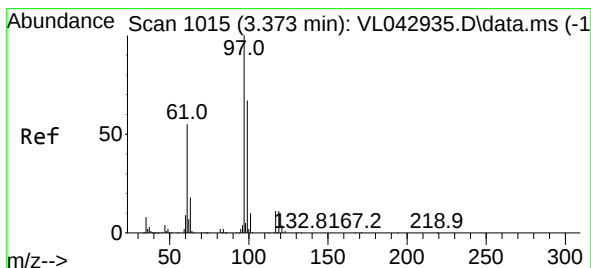
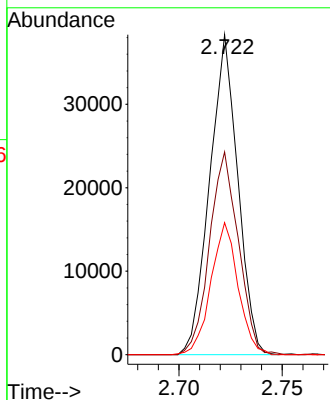
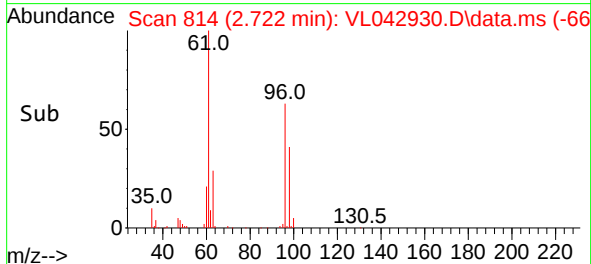
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



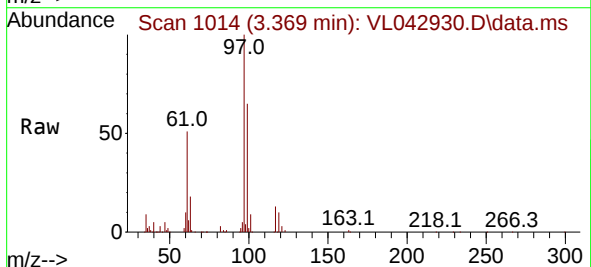
Tgt Ion: 61 Resp: 3634
 Ion Ratio Lower Upper
 61 100
 96 63.3 51.4 77.2
 98 41.2 32.8 49.2

Manual Integrations
 APPROVED

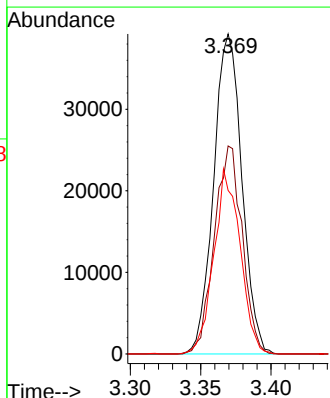
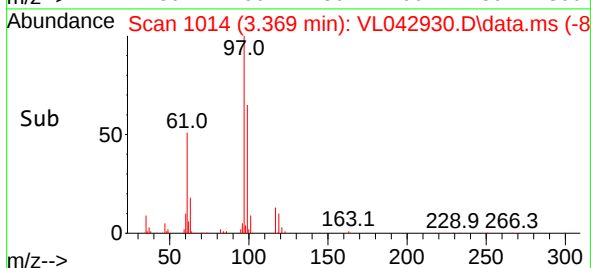
Reviewed By :Semsettin Yesilyurt 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025

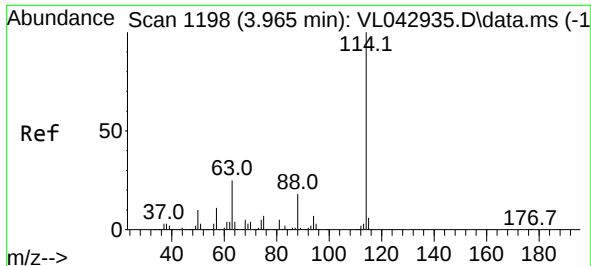


#32
 1,1,1-Trichloroethane
 Concen: 1.931 ppbv
 RT: 3.369 min Scan# 1014
 Delta R.T. -0.003 min
 Lab File: VL042930.D
 Acq: 17 Sep 2025 10:48



Tgt Ion: 97 Resp: 54810
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.0 76.4
 61 53.9 43.2 64.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.958 min Scan# 1198

Delta R.T. -0.007 min

Lab File: VL042930.D

Acq: 17 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

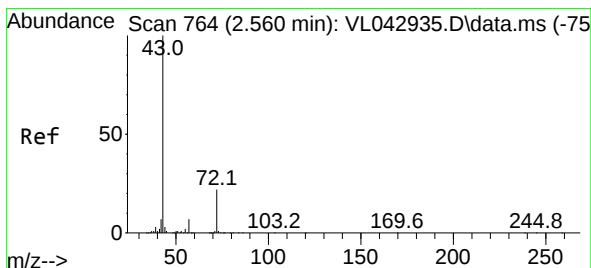
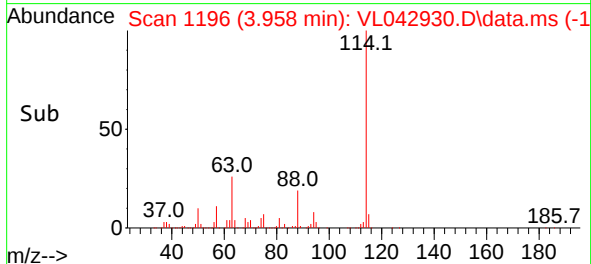
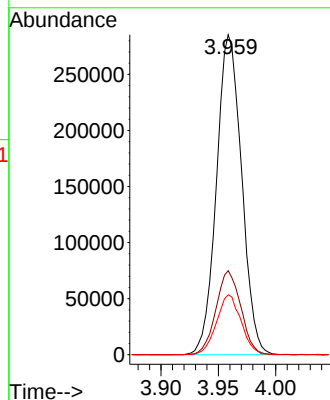
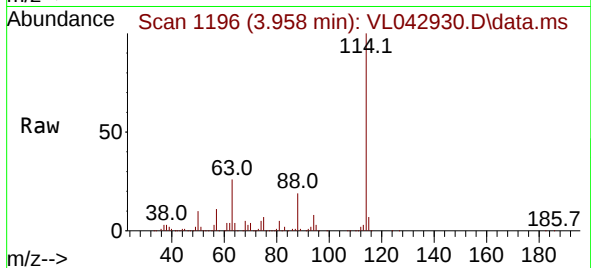
VSTDICC002

Tgt Ion:	114	Resp:	43507
Ion Ratio	Lower	Upper	
114	100		
63	25.9	21.1	31.7
88	18.2	14.6	22.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#34

2-Butanone

Concen: 2.032 ppbv

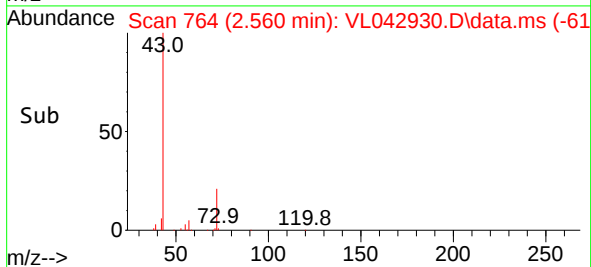
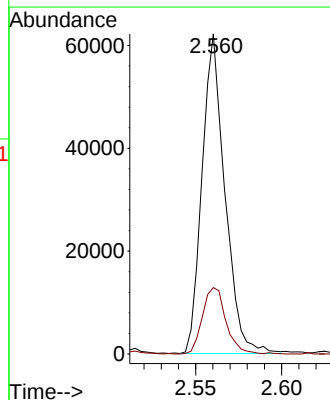
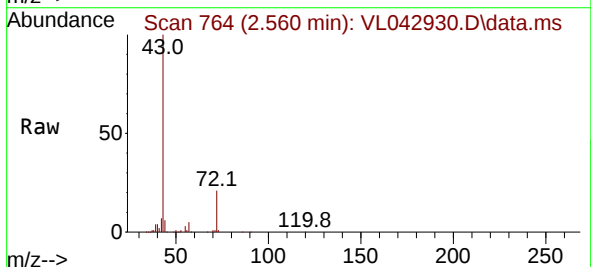
RT: 2.560 min Scan# 764

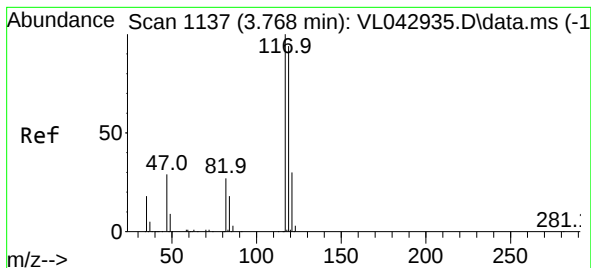
Delta R.T. -0.000 min

Lab File: VL042930.D

Acq: 17 Sep 2025 10:48

Tgt Ion:	43	Resp:	57314
Ion Ratio	Lower	Upper	
43	100		
72	21.6	17.2	25.8





#35

Carbon Tetrachloride

Concen: 1.805 ppbv

RT: 3.764 min Scan# 1136

Delta R.T. -0.003 min

Lab File: VL042930.D

Acq: 17 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:117 Resp: 55818

Ion Ratio Lower Upper

117 100

119 92.5 74.9 112.3

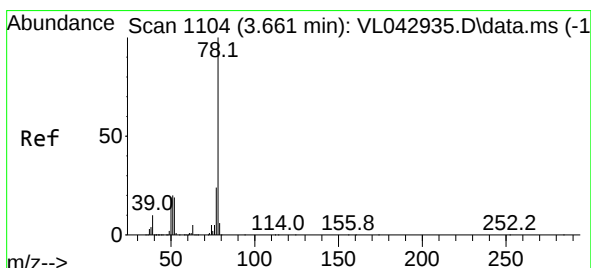
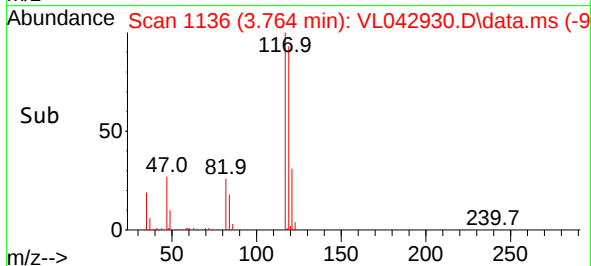
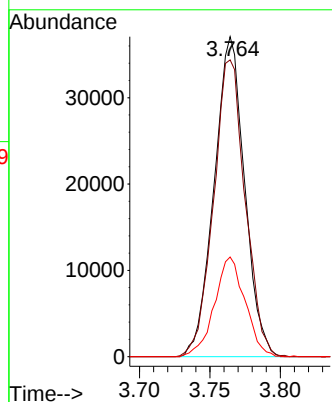
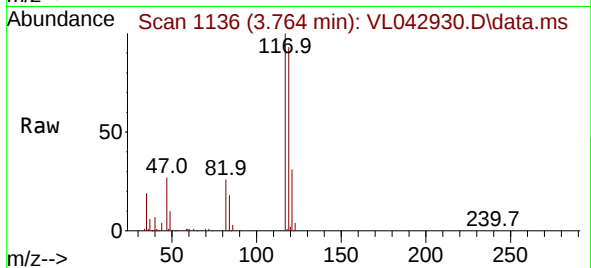
121 31.2 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025



#36

Benzene

Concen: 1.924 ppbv

RT: 3.658 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VL042930.D

Acq: 17 Sep 2025 10:48

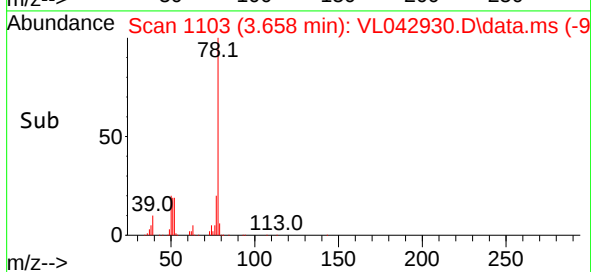
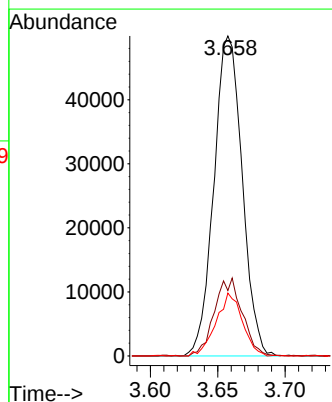
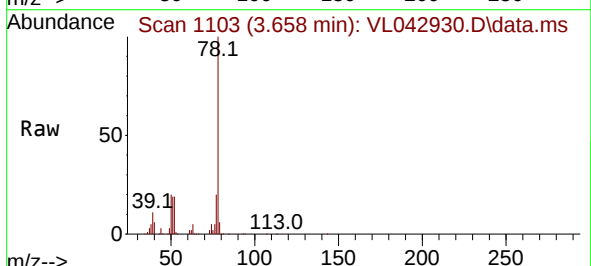
Tgt Ion: 78 Resp: 73010

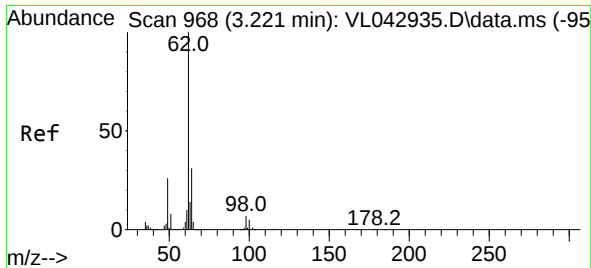
Ion Ratio Lower Upper

78 100

77 20.5 19.2 28.8

50 19.6 14.8 22.2





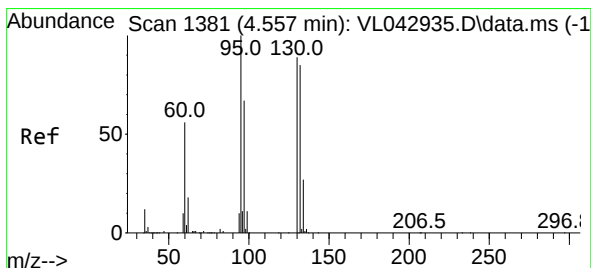
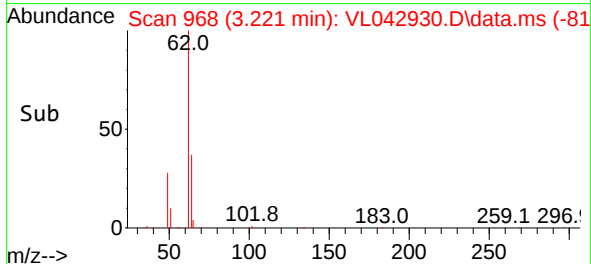
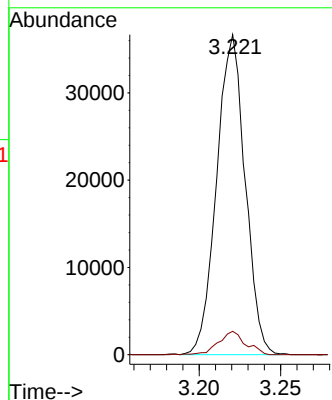
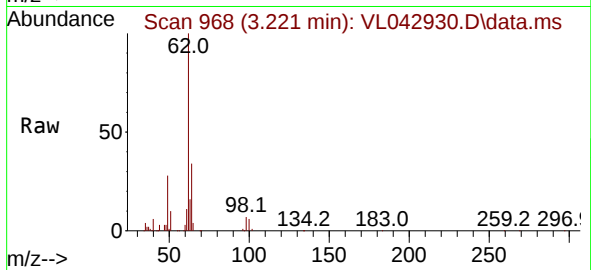
#37
1,2-Dichloroethane
Concen: 1.959 ppbv
RT: 3.221 min Scan# 968
Delta R.T. -0.000 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 44529
Ion Ratio Lower Upper
62 100
98 7.0 5.5 8.3

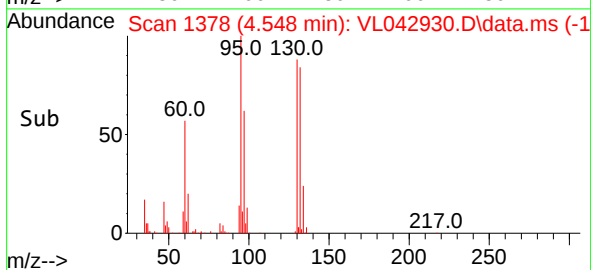
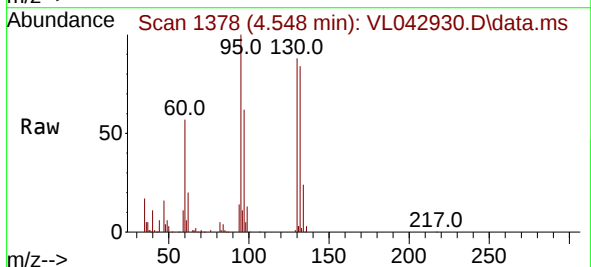
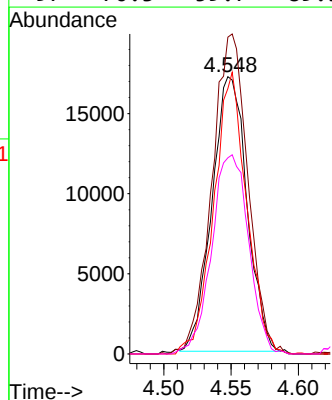
Manual Integrations
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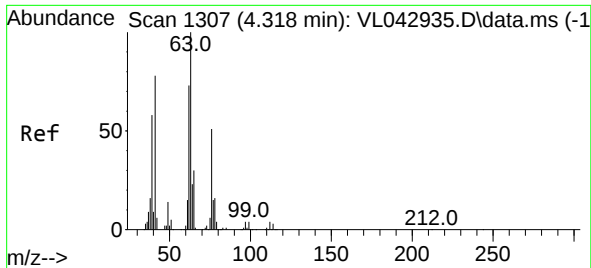
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#38
Trichloroethene
Concen: 1.795 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. -0.010 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

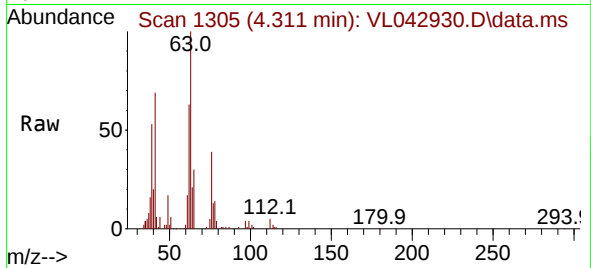
Tgt Ion:130 Resp: 30836
Ion Ratio Lower Upper
130 100
95 113.7 89.8 134.6
132 95.1 76.3 114.5
97 70.3 59.7 89.5





#39
 1,2-Dichloropropane
 Concen: 1.921 ppbv m
 RT: 4.311 min Scan# 1305
 Delta R.T. -0.006 min
 Lab File: VL042930.D
 Acq: 17 Sep 2025 10:48

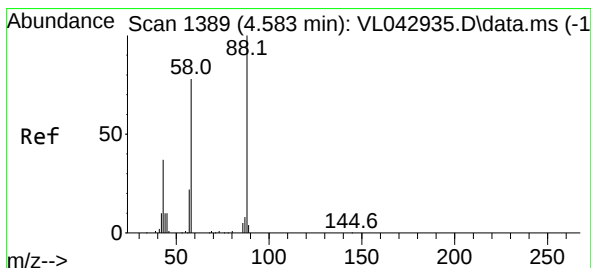
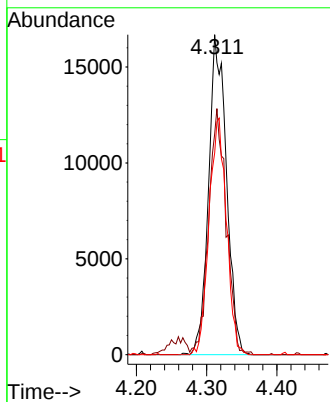
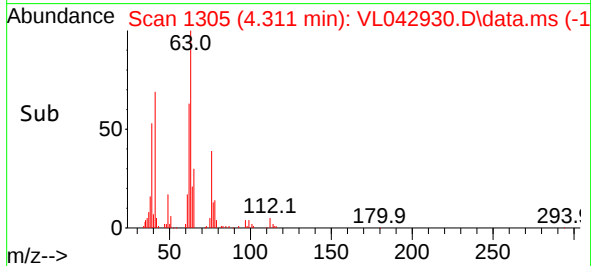
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002



Tgt Ion: 63 Resp: 2945
 Ion Ratio Lower Upper
 63 100
 41 69.0 62.7 94.1
 62 63.1 58.4 87.6

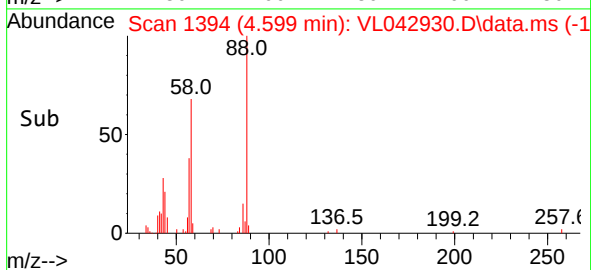
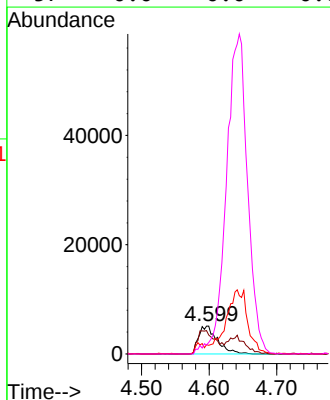
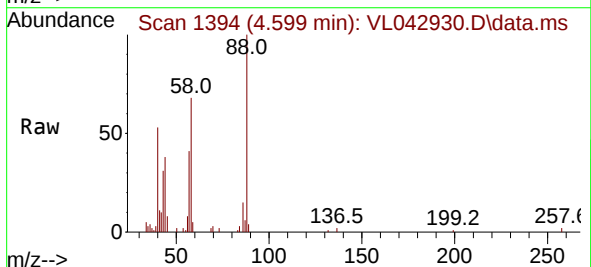
Manual Integrations
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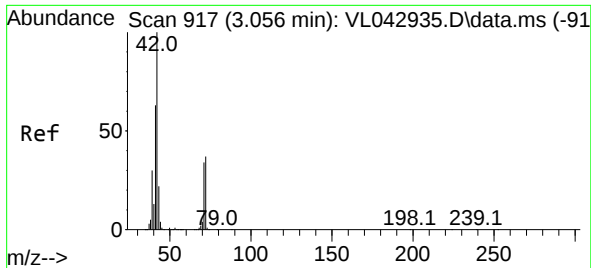
Reviewed By :Semsettin Yesilyurt 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025



#40
 1,4-Dioxane
 Concen: 1.807 ppbv m
 RT: 4.599 min Scan# 1394
 Delta R.T. 0.016 min
 Lab File: VL042930.D
 Acq: 17 Sep 2025 10:48

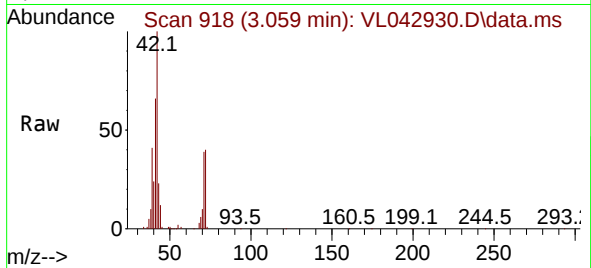
Tgt Ion: 88 Resp: 9832
 Ion Ratio Lower Upper
 88 100
 58 0.0 61.5 92.3#
 43 0.0 28.3 42.5#
 57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 1.871 ppbv
RT: 3.059 min Scan# 917
Delta R.T. 0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

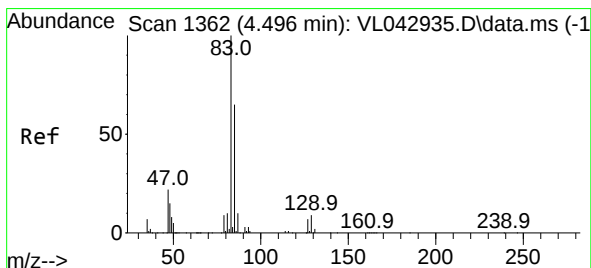
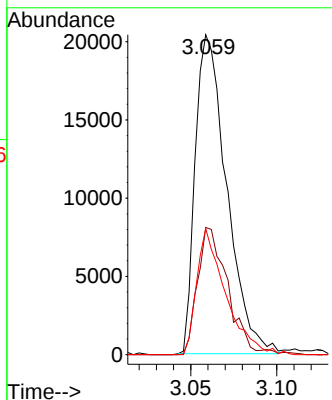
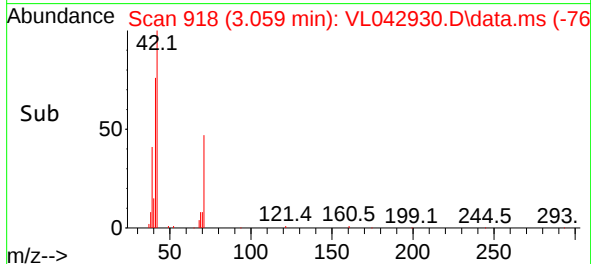
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



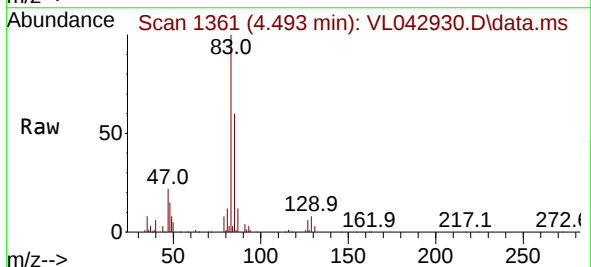
Tgt Ion: 42 Resp: 2594
Ion Ratio Lower Upper
42 100
72 38.5 30.4 45.6
71 36.3 28.3 42.5

Manual Integrations
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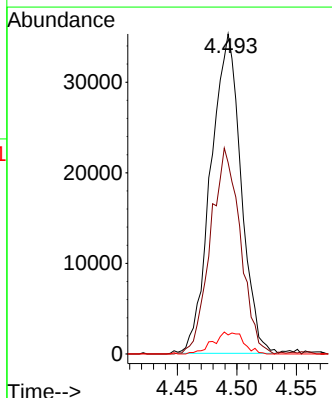
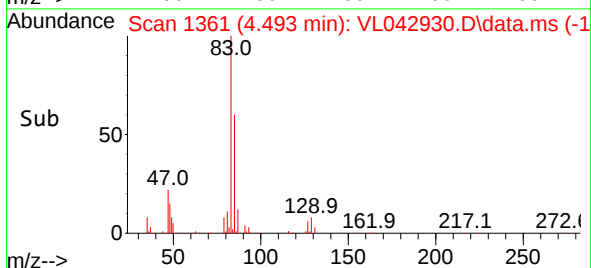
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

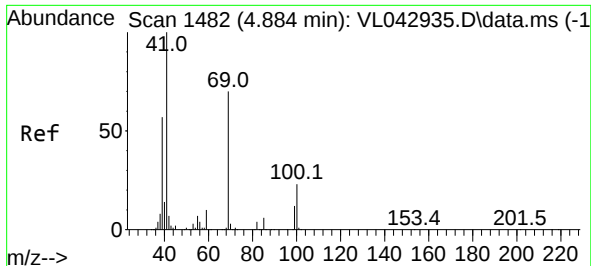


#42
Bromodichloromethane
Concen: 1.906 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48



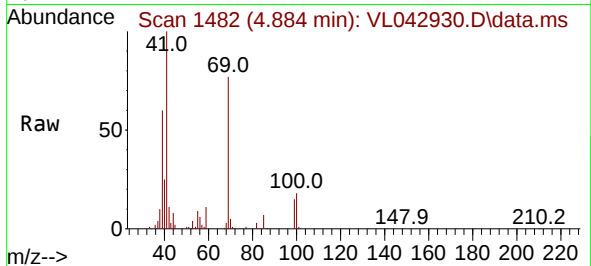
Tgt Ion: 83 Resp: 62170
Ion Ratio Lower Upper
83 100
85 59.6 52.1 78.1
127 6.9 6.0 9.0





#43
Methyl Methacrylate
Concen: 1.885 ppbv m
RT: 4.884 min Scan# 1482
Delta R.T. -0.000 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

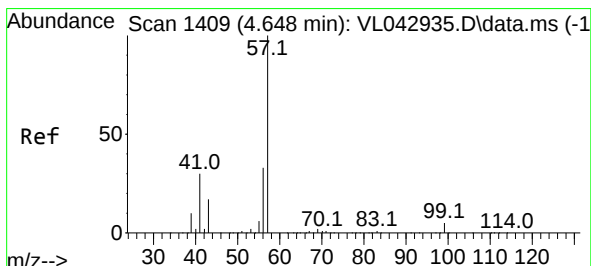
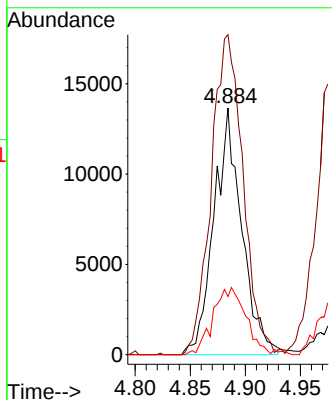
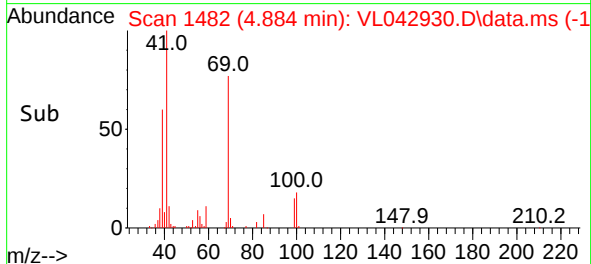
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



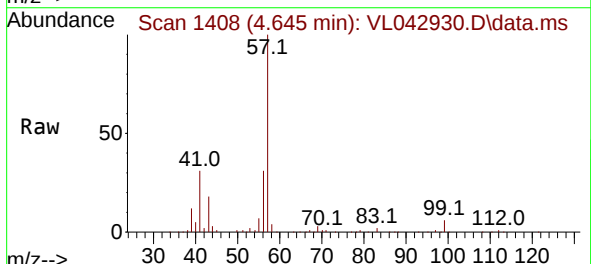
Tgt Ion: 69 Resp: 23990
Ion Ratio Lower Upper
69 100
41 147.8 118.6 178.0
100 32.7 26.2 39.4

Manual Integrations
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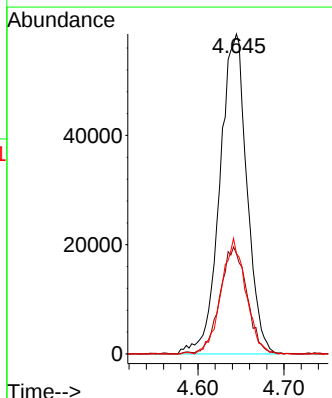
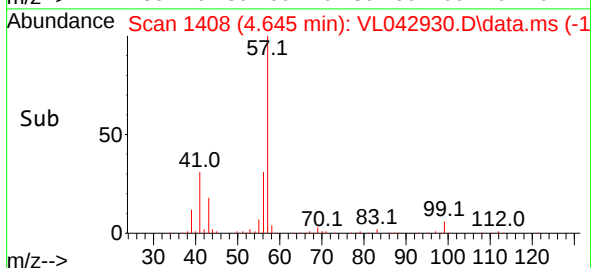
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

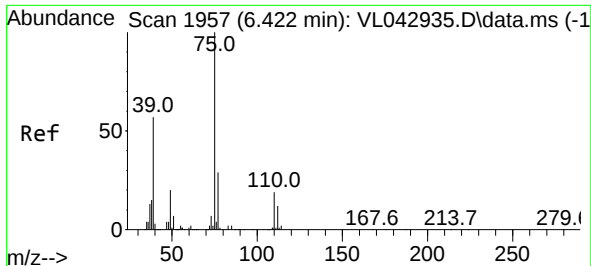


#44
2,2,4-Trimethylpentane
Concen: 2.022 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48



Tgt Ion: 57 Resp: 127979
Ion Ratio Lower Upper
57 100
41 33.5 25.8 38.6
56 33.1 26.2 39.4





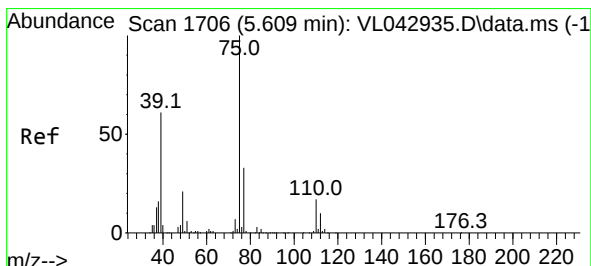
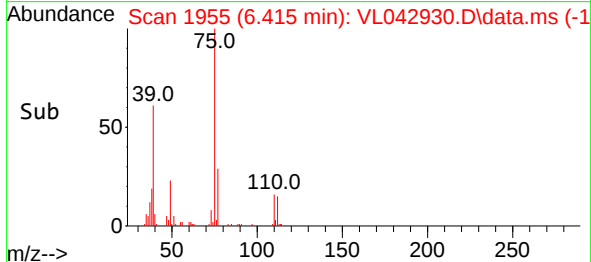
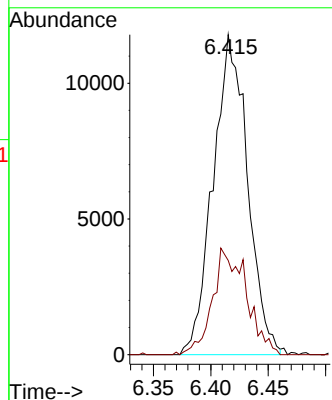
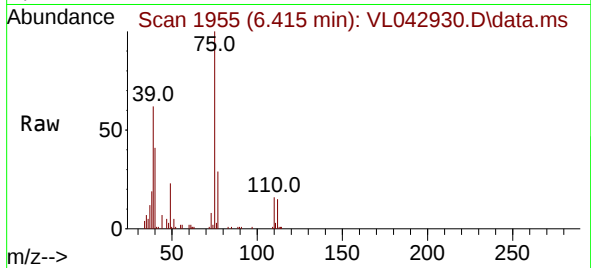
#45
t-1,3-Dichloropropene
Concen: 1.836 ppbv
RT: 6.415 min Scan# 1957
Delta R.T. -0.006 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion: 75 Resp: 2459
Ion Ratio Lower Upper
75 100
77 29.5 23.5 35.3

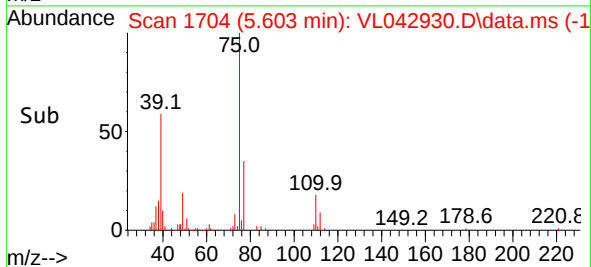
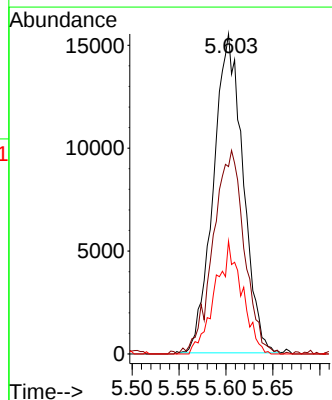
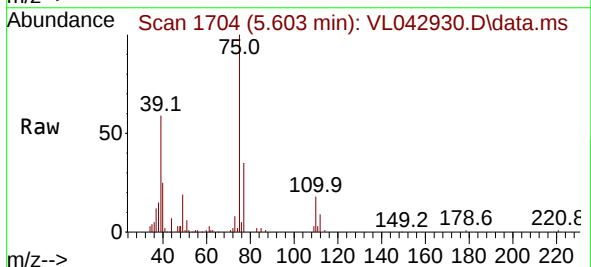
Manual Integrations
APPROVED

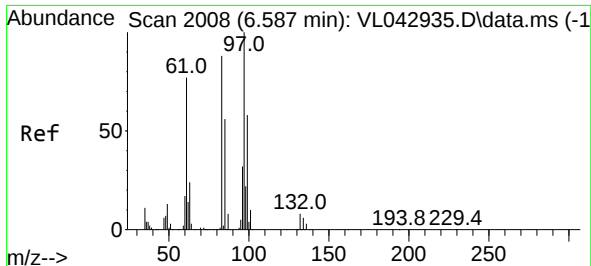
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#46
cis-1,3-Dichloropropene
Concen: 1.838 ppbv
RT: 5.603 min Scan# 1704
Delta R.T. -0.006 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Tgt Ion: 75 Resp: 33947
Ion Ratio Lower Upper
75 100
39 58.8 49.0 73.4
77 35.4 26.2 39.2





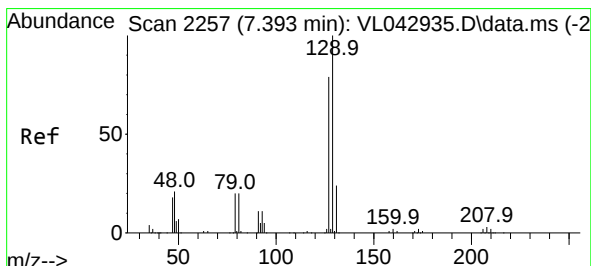
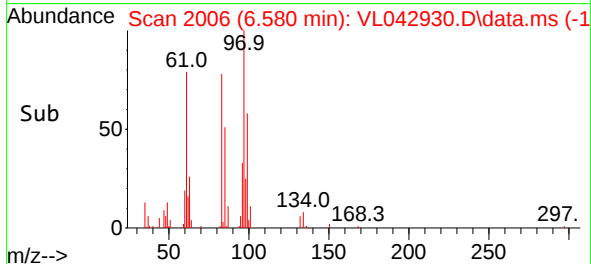
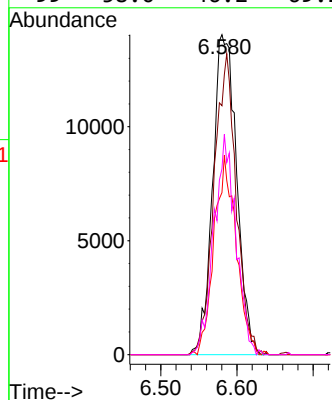
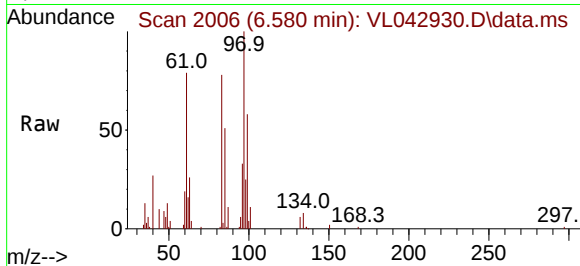
#47
1,1,2-Trichloroethane
Concen: 1.956 ppbv m
RT: 6.580 min Scan# 2008
Delta R.T. -0.006 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 97 Resp: 30589
Ion Ratio Lower Upper
97 100
83 77.8 70.6 106.0
85 50.7 44.9 67.3
99 58.0 46.2 69.2

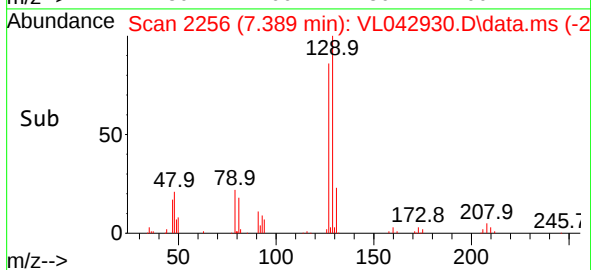
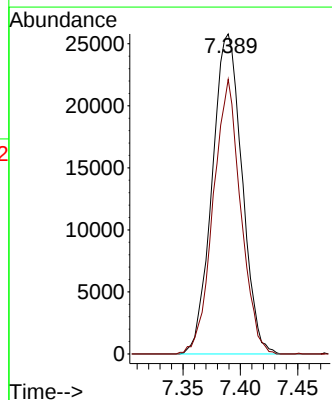
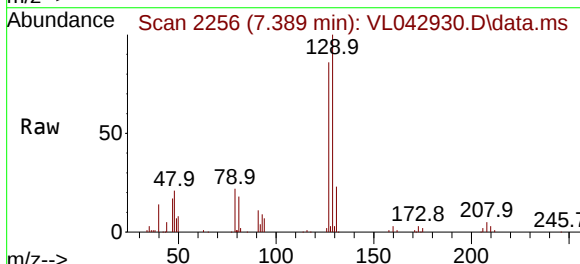
Manual Integrations
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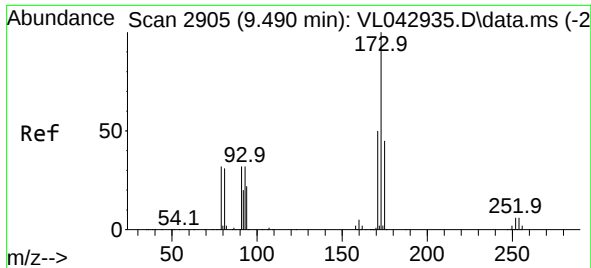
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#48
Dibromochloromethane
Concen: 1.905 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Tgt Ion:129 Resp: 46665
Ion Ratio Lower Upper
129 100
127 79.1 38.8 116.3





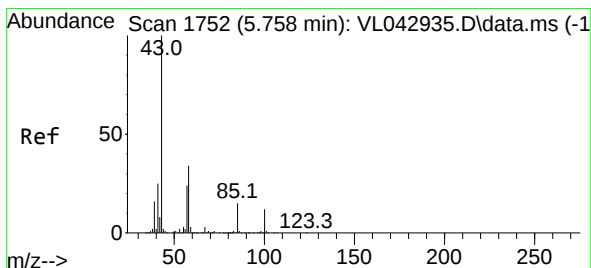
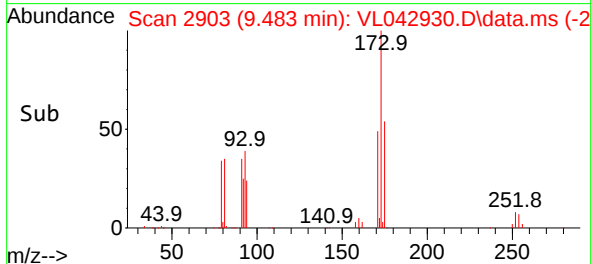
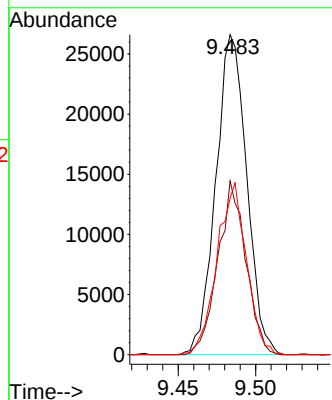
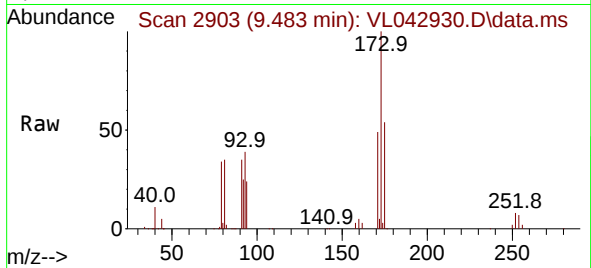
#49
Bromoform
Concen: 1.933 ppbv
RT: 9.483 min Scan# 2905
Delta R.T. -0.007 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 173 Resp: 3695
Ion Ratio Lower Upper
173 100
175 49.3 38.6 58.0
171 51.2 41.7 62.5

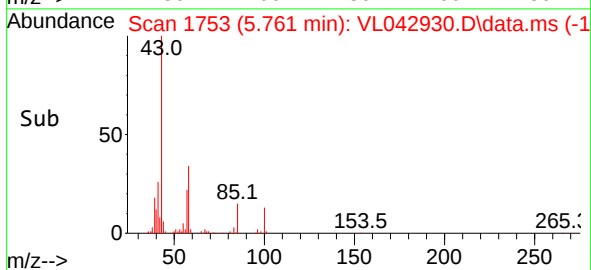
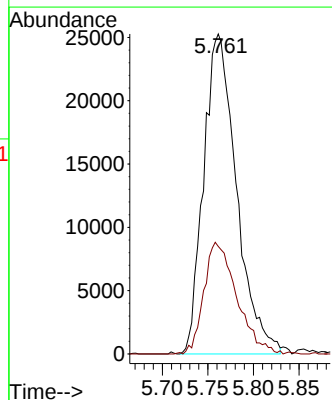
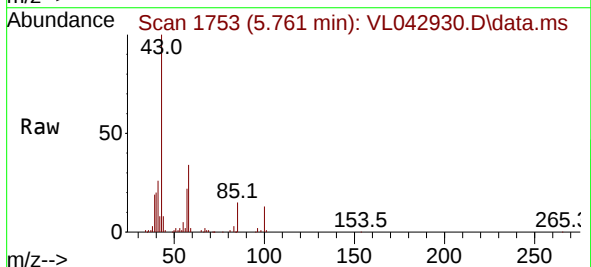
Manual Integrations
APPROVED

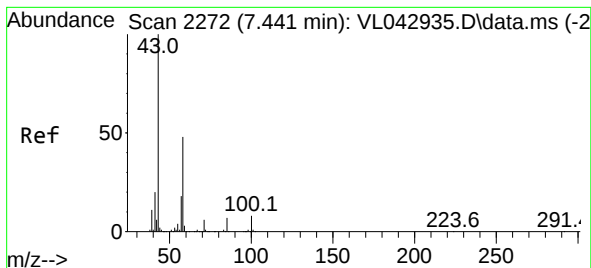
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#50
4-Methyl-2-Pentanone
Concen: 1.886 ppbv
RT: 5.761 min Scan# 1753
Delta R.T. 0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

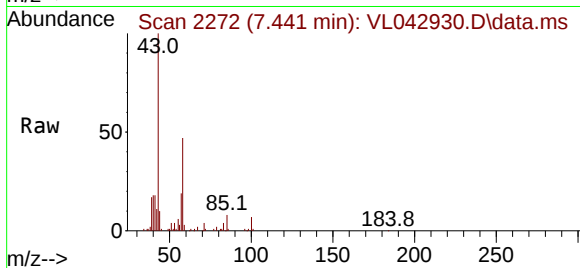
Tgt Ion: 43 Resp: 63384
Ion Ratio Lower Upper
43 100
58 35.0 27.5 41.3





#51
2-Hexanone
Concen: 1.793 ppbv
RT: 7.441 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

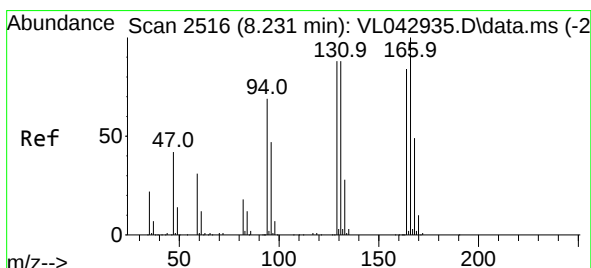
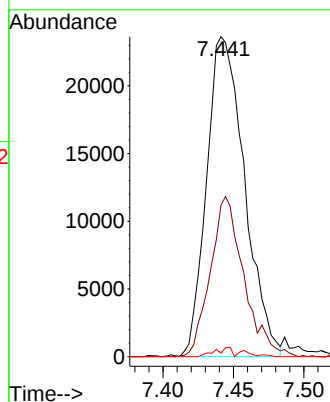
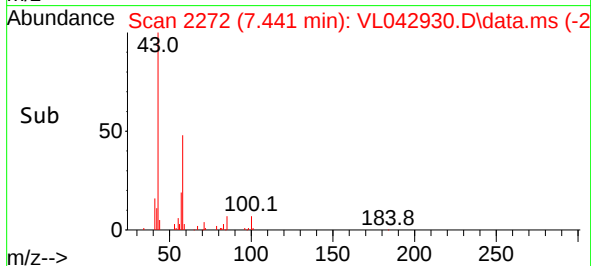
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 43 Resp: 4435
Ion Ratio Lower Upper
43 100
58 44.2 37.9 56.9
98 2.0 0.7 1.1

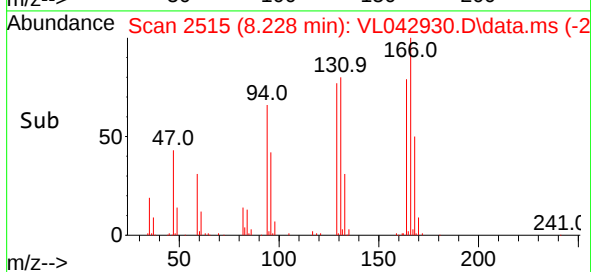
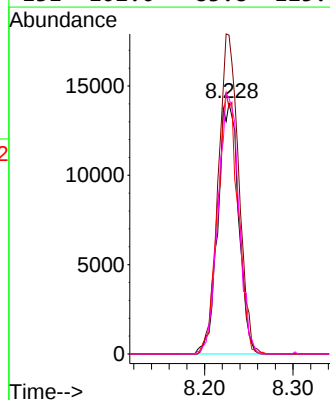
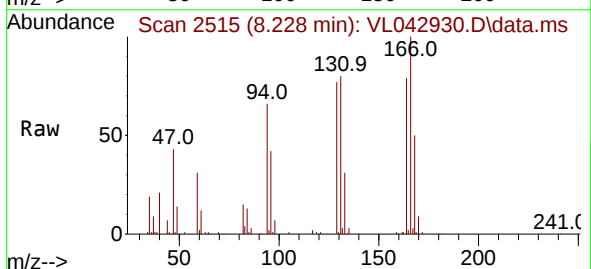
Manual Integrations
APPROVED

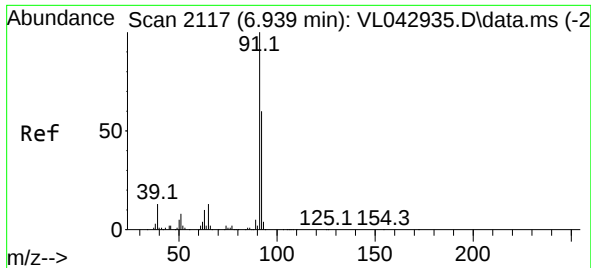
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#52
Tetrachloroethene
Concen: 1.937 ppbv m
RT: 8.228 min Scan# 2515
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

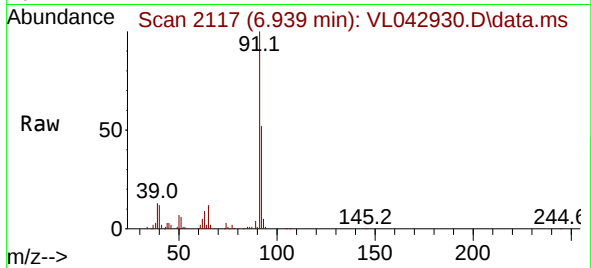
Tgt Ion:164 Resp: 22859
Ion Ratio Lower Upper
164 100
166 127.2 95.4 143.0
129 98.2 84.0 126.0
131 102.0 83.8 125.8





#53
Toluene
Concen: 1.866 ppbv m
RT: 6.939 min Scan# 2117
Delta R.T. -0.000 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

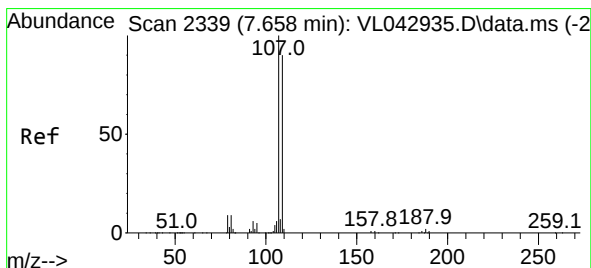
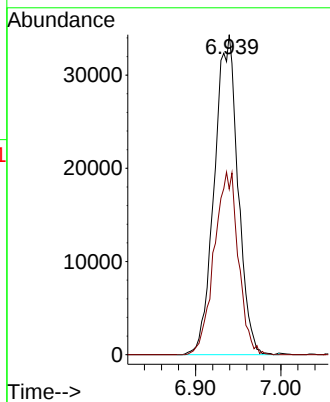
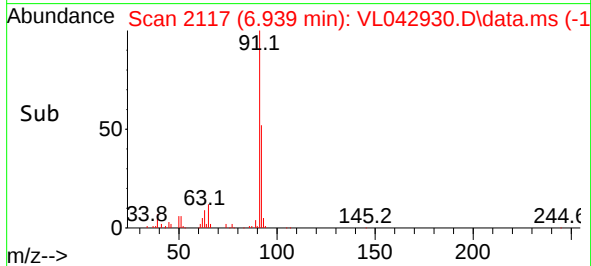
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



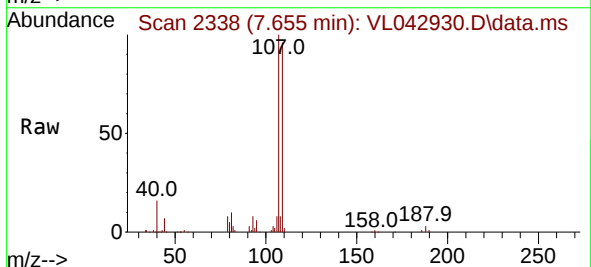
Tgt Ion: 91 Resp: 6599
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.2

Manual Integrations
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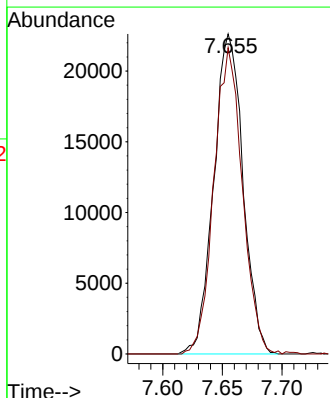
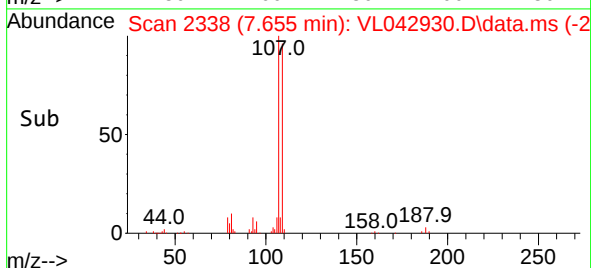
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

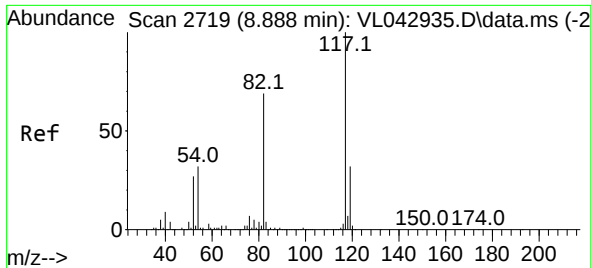


#54
1,2-Dibromoethane
Concen: 1.923 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48



Tgt Ion:107 Resp: 38670
Ion Ratio Lower Upper
107 100
109 95.7 71.8 107.6





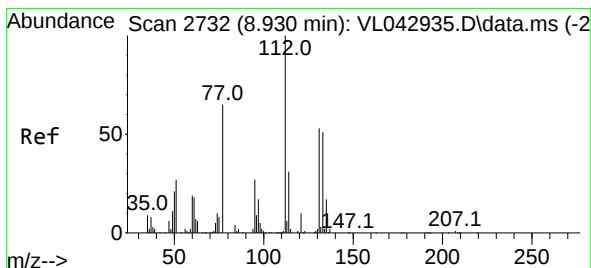
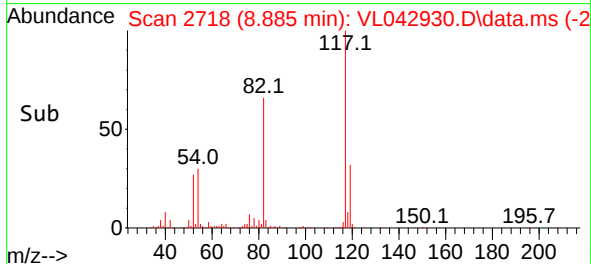
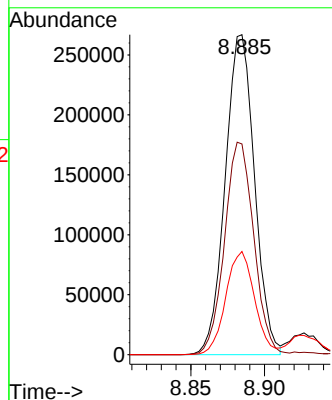
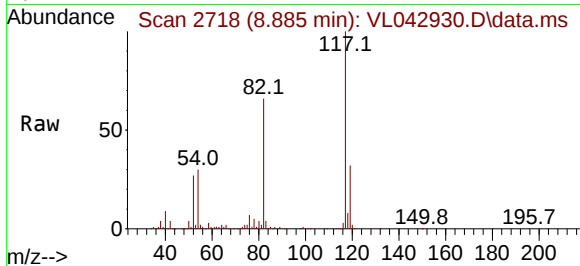
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2719
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:117 Resp: 36932
Ion Ratio Lower Upper
117 100
82 67.0 56.1 84.1
119 32.8 25.8 38.8

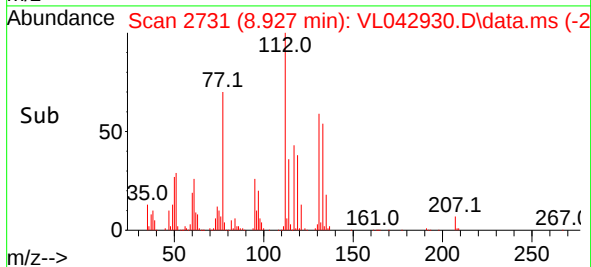
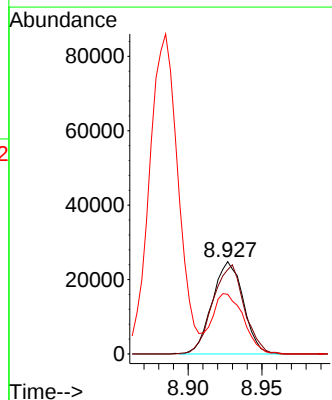
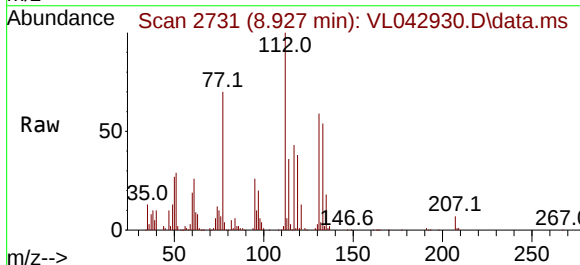
Manual Integrations
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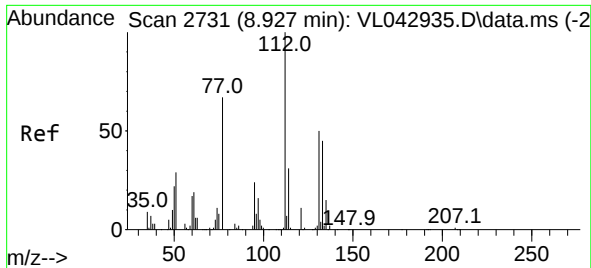
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 1.934 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Tgt Ion:131 Resp: 36390
Ion Ratio Lower Upper
131 100
133 97.8 76.1 114.1
119 60.4 53.4 80.2





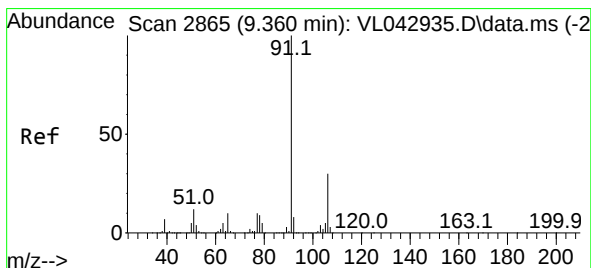
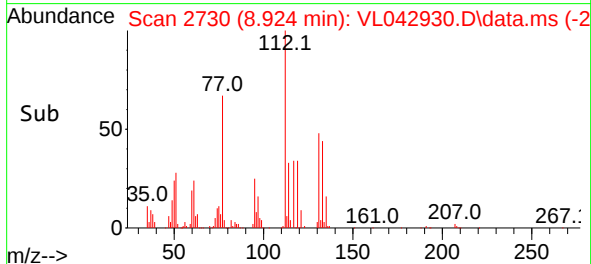
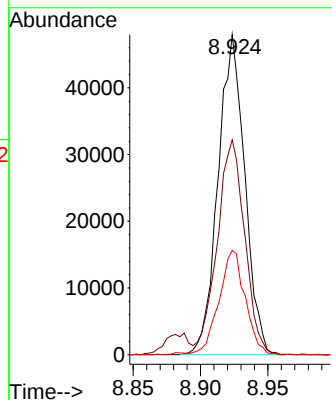
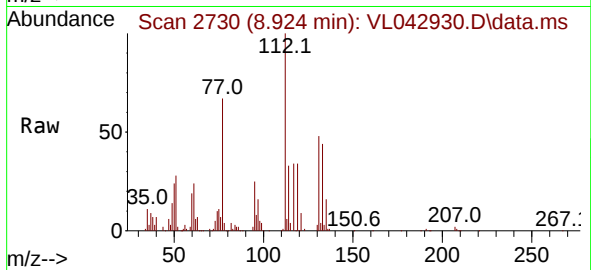
#57
Chlorobenzene
Concen: 1.942 ppbv
RT: 8.924 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:112 Resp: 6630
Ion Ratio Lower Upper
112 100
77 67.1 54.8 82.2
114 32.5 28.2 34.4

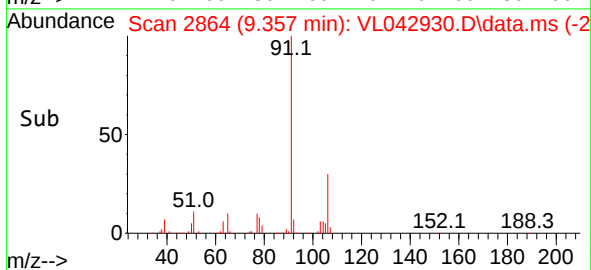
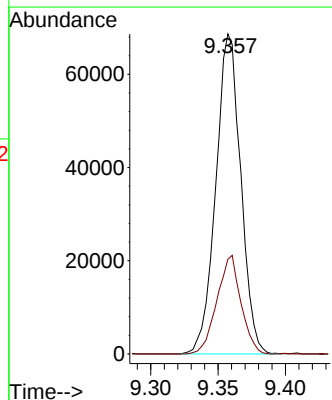
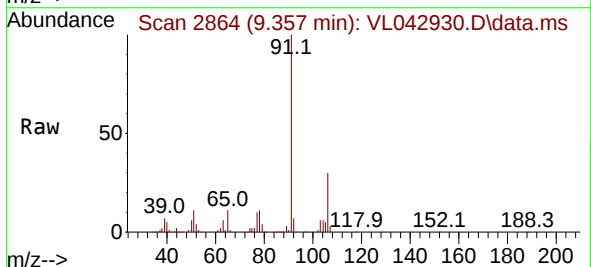
Manual Integrations
APPROVED

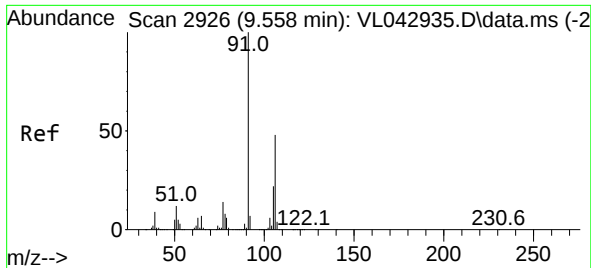
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#58
Ethyl Benzene
Concen: 1.856 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Tgt Ion: 91 Resp: 88328
Ion Ratio Lower Upper
91 100
106 29.6 24.2 36.4





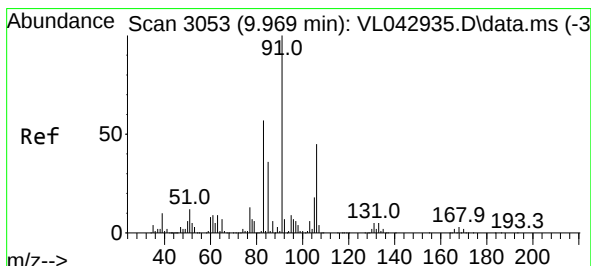
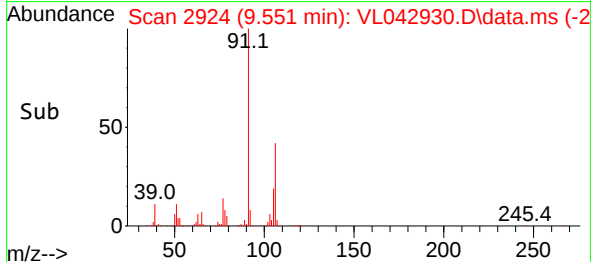
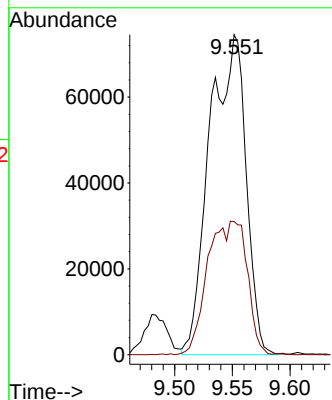
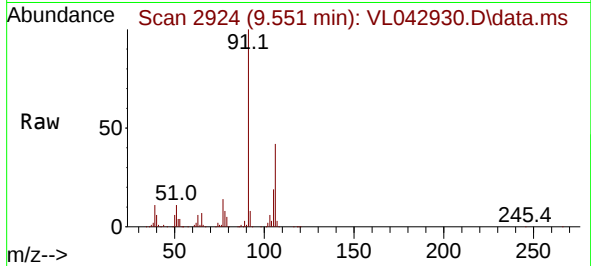
#59
m/p-Xylene
Concen: 4.057 ppbv m
RT: 9.551 min Scan# 2924
Delta R.T. -0.007 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 16315
Ion Ratio Lower Upper
91 100
106 45.6 37.4 56.0

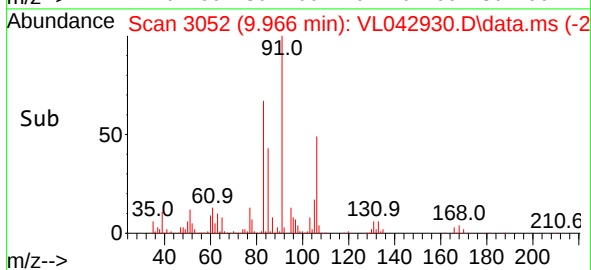
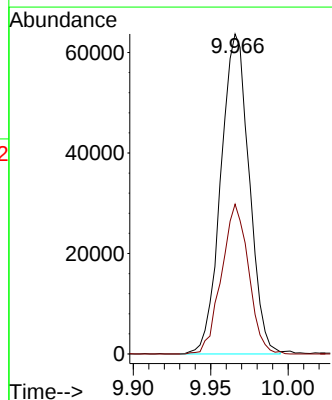
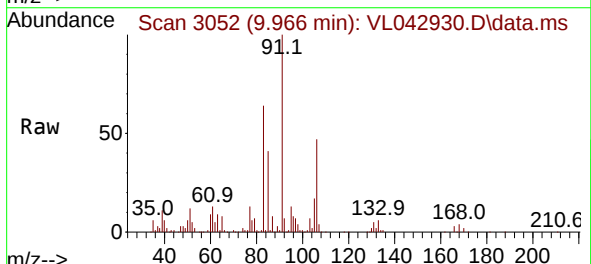
Manual Integrations
APPROVED

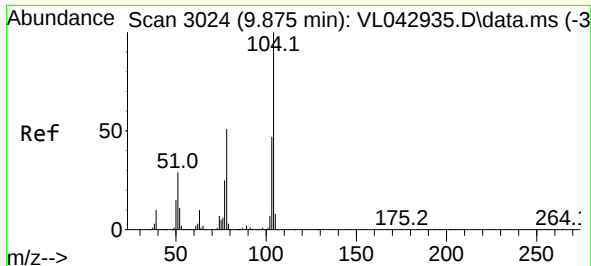
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#60
o-Xylene
Concen: 2.025 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Tgt Ion: 91 Resp: 80966
Ion Ratio Lower Upper
91 100
106 44.6 22.1 66.5





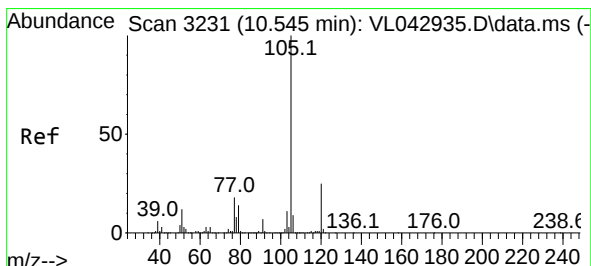
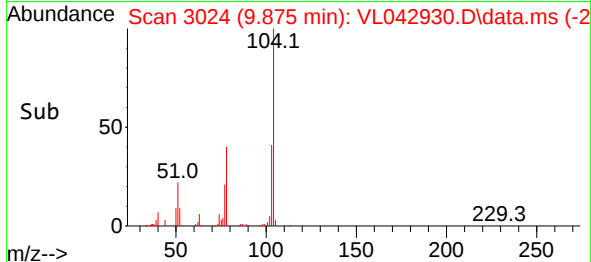
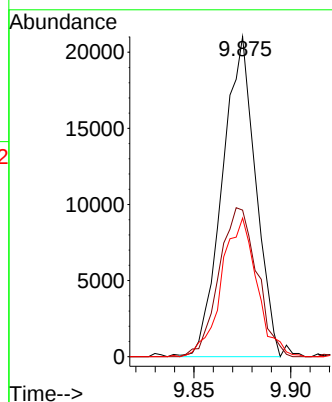
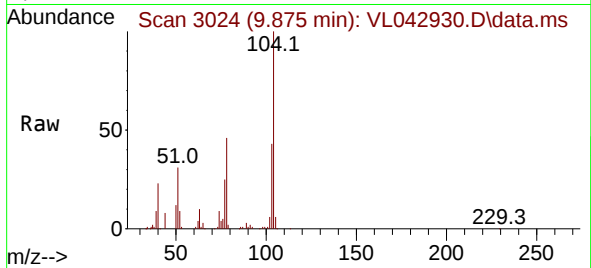
#61
Styrene
Concen: 1.690 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. 0.000 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:104 Resp: 25108
Ion Ratio Lower Upper
104 100
78 53.2 40.2 60.2
103 46.1 36.8 55.2

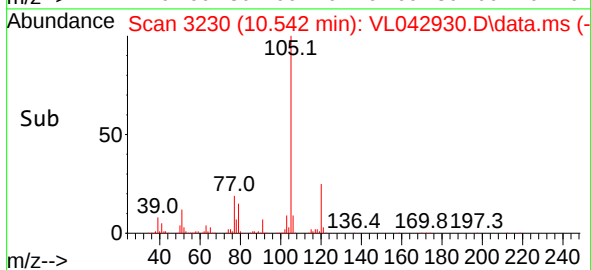
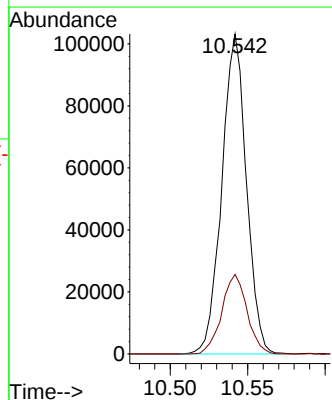
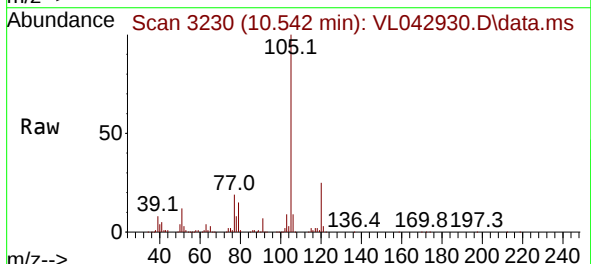
Manual Integrations
APPROVED

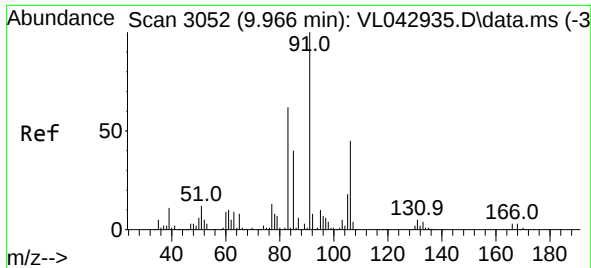
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#62
Isopropylbenzene
Concen: 1.955 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Tgt Ion:105 Resp: 113843
Ion Ratio Lower Upper
105 100
120 25.5 20.0 30.0





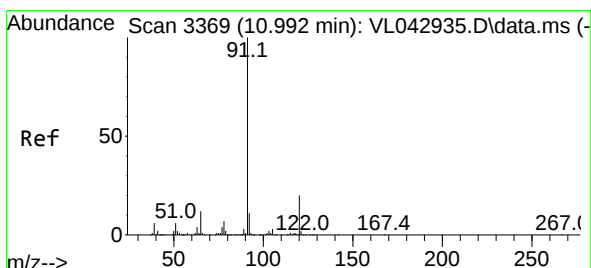
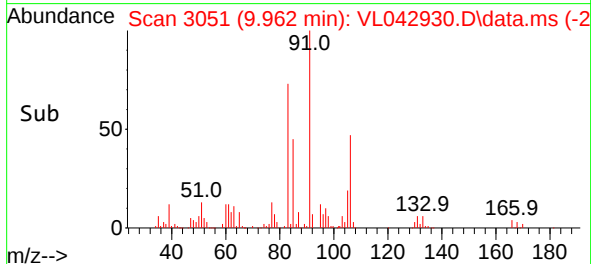
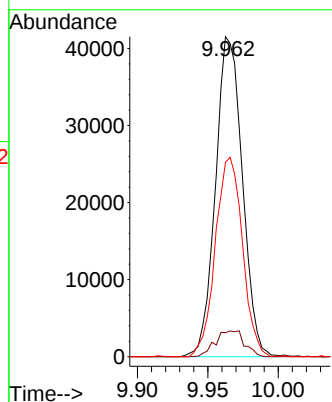
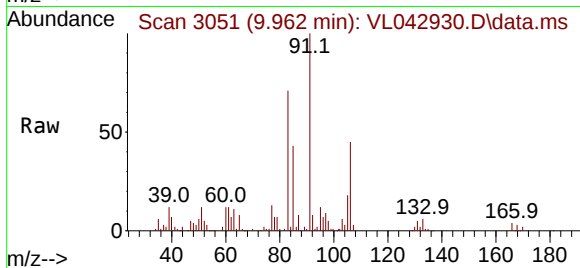
#63
1,1,2,2-Tetrachloroethane
Concen: 1.910 ppbv
RT: 9.962 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion: 83 Resp: 55150
Ion Ratio Lower Upper
83 100
131 8.8 4.2 12.6
85 63.0 32.6 98.0

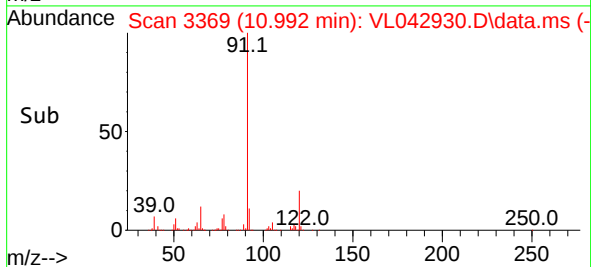
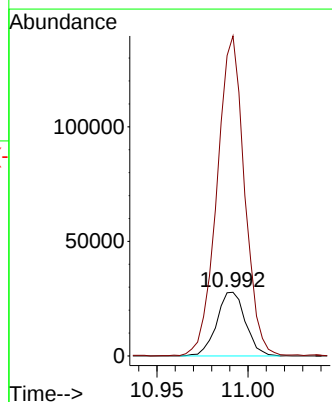
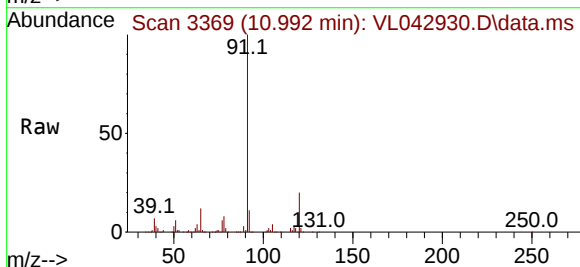
Manual Integrations
APPROVED

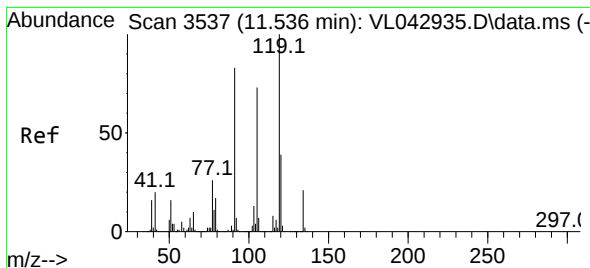
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#64
n-propylbenzene
Concen: 2.019 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. -0.000 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

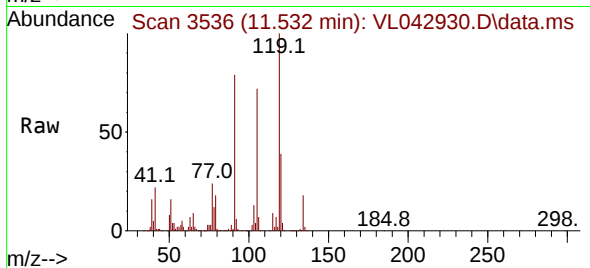
Tgt Ion:120 Resp: 30484
Ion Ratio Lower Upper
120 100
91 484.2 394.6 591.8





#65
tert-Butylbenzene
Concen: 2.074 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

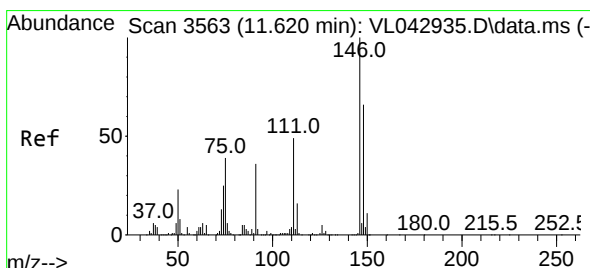
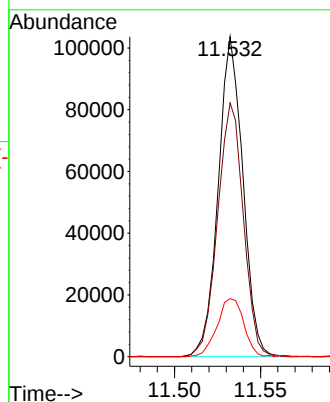
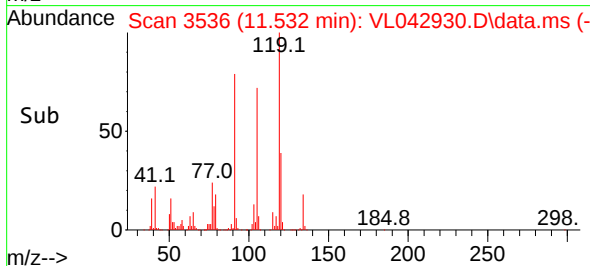
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



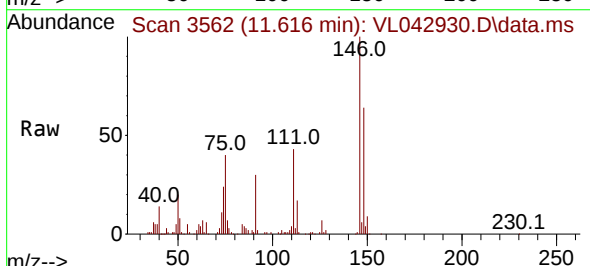
Tgt Ion: 119 Resp: 103228
Ion Ratio Lower Upper
119 100
91 82.9 66.0 99.0
134 19.8 16.8 25.2

Manual Integrations
APPROVED

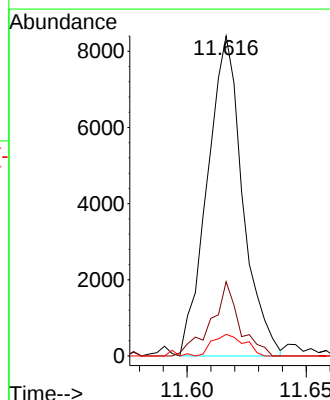
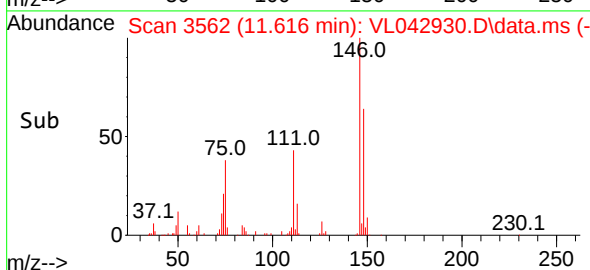
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

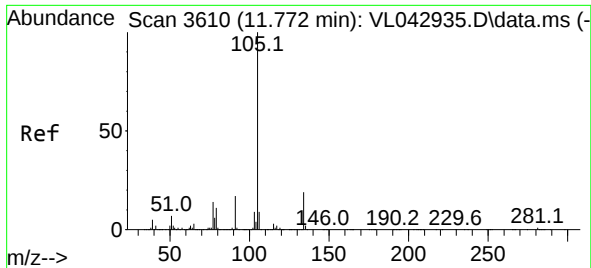


#66
Benzyl Chloride
Concen: 1.872 ppbv
RT: 11.616 min Scan# 3562
Delta R.T. -0.004 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48



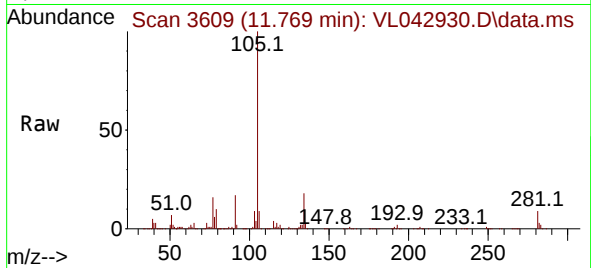
Tgt Ion: 91 Resp: 8657
Ion Ratio Lower Upper
91 100
126 18.6 13.9 20.9
128 6.6 4.9 7.3





#67
 sec-Butylbenzene
 Concen: 2.039 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. -0.003 min
 Lab File: VL042930.D
 Acq: 17 Sep 2025 10:48

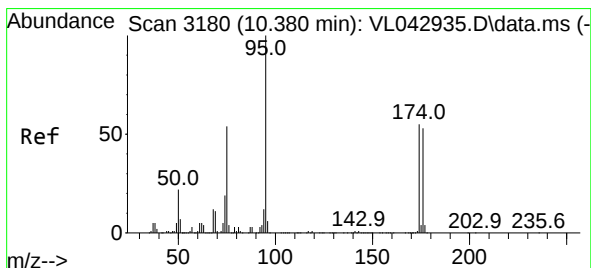
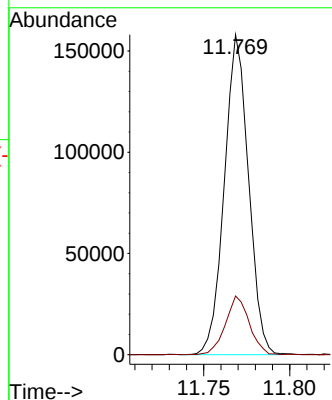
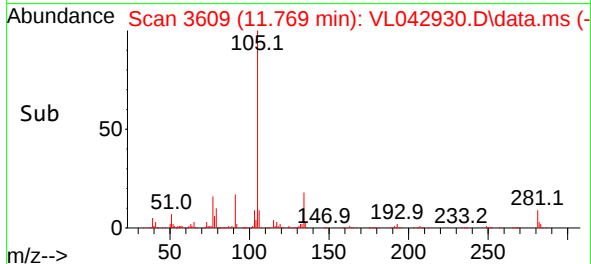
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



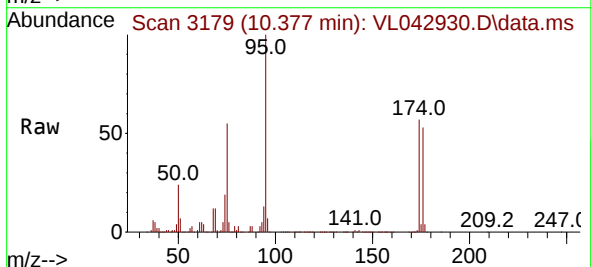
Tgt Ion:105 Resp: 15439
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.3 21.5

Manual Integrations
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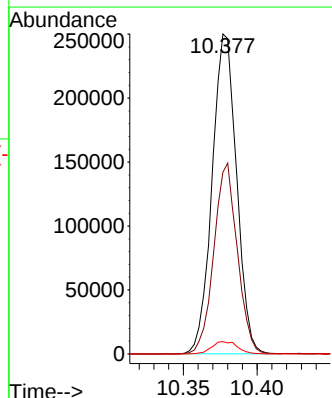
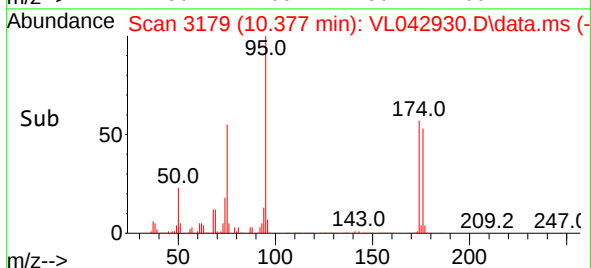
Reviewed By :Semsettin Yesilyurt 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025

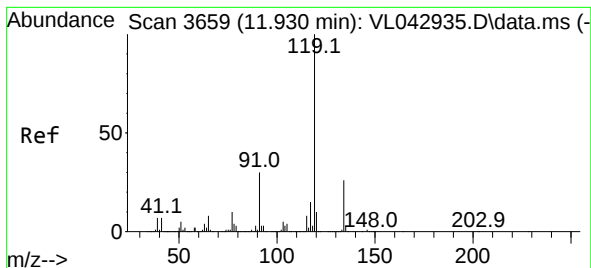


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.986 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. -0.003 min
 Lab File: VL042930.D
 Acq: 17 Sep 2025 10:48



Tgt Ion: 95 Resp: 288273
 Ion Ratio Lower Upper
 95 100
 174 57.4 44.9 67.3
 175 4.1 3.3 4.9





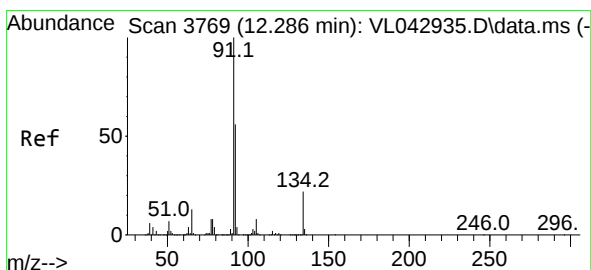
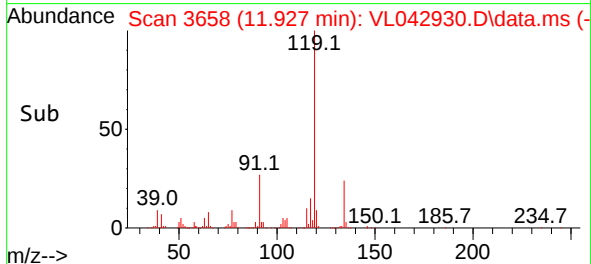
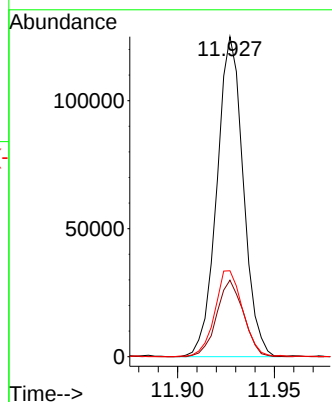
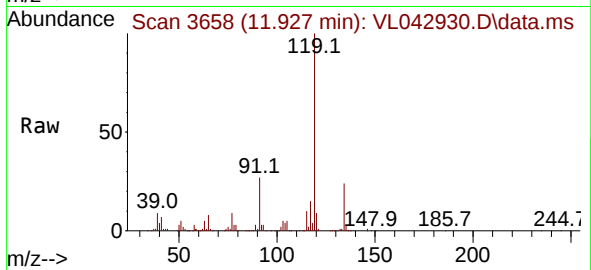
#69
p-Isopropyltoluene
Concen: 2.033 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 119 Resp: 118634
Ion Ratio Lower Upper
119 100
134 24.2 20.5 30.7
91 28.6 23.2 34.8

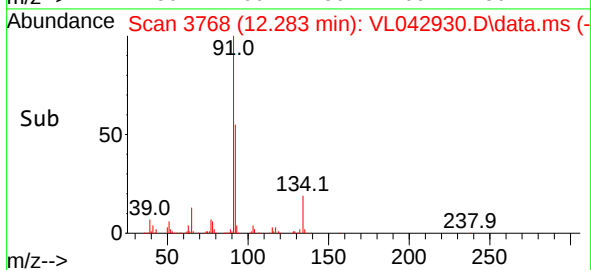
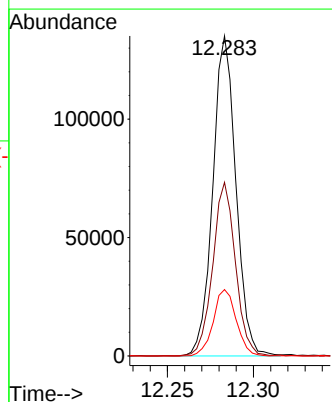
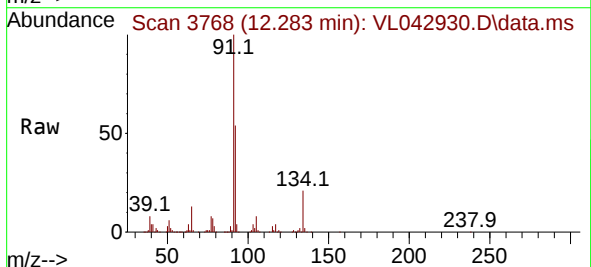
Manual Integrations
APPROVED

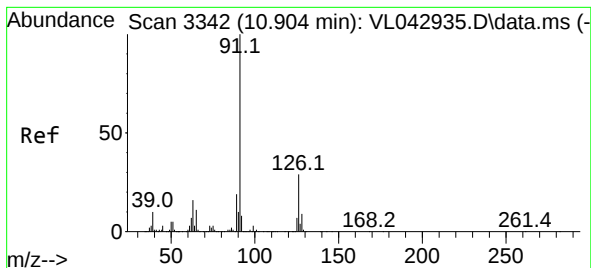
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#70
n-Butylbenzene
Concen: 1.872 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Tgt Ion: 91 Resp: 126244
Ion Ratio Lower Upper
91 100
92 53.5 43.8 65.8
134 20.8 17.3 25.9





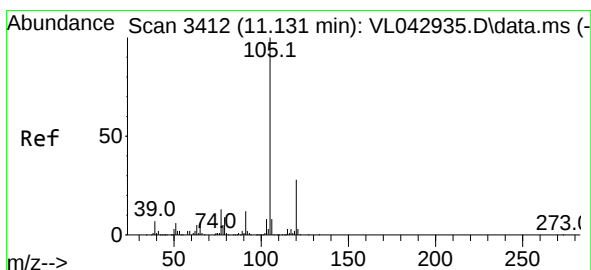
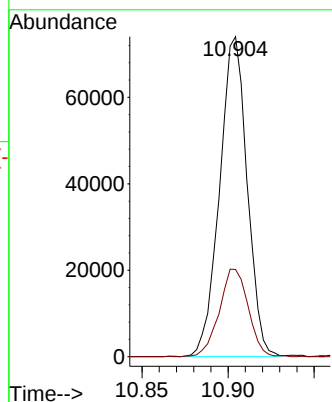
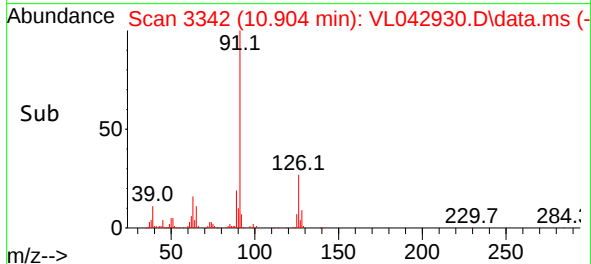
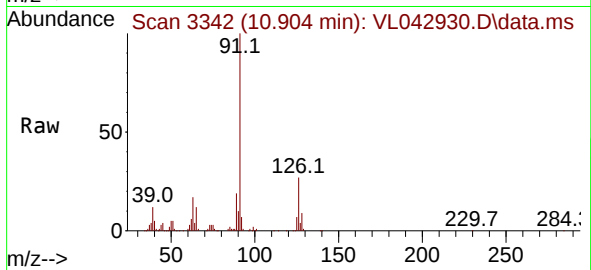
#71
2-Chlorotoluene
Concen: 1.908 ppbv
RT: 10.904 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 82459
Ion Ratio Lower Upper
91 100
126 28.8 11.5 45.9

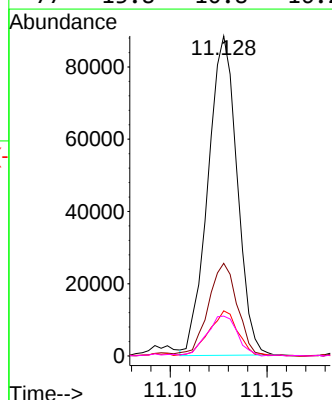
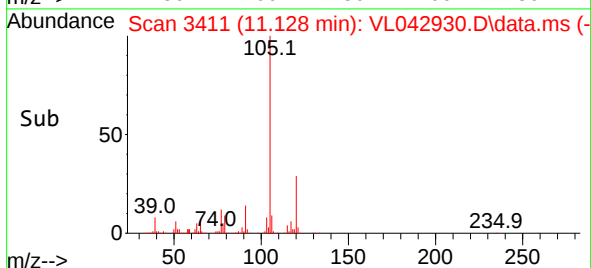
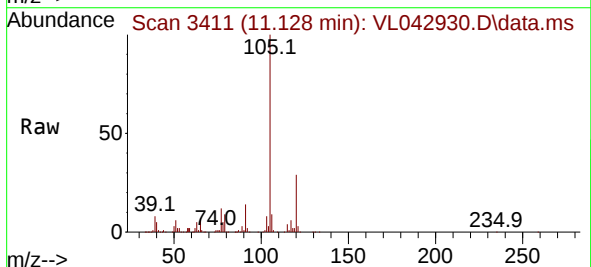
Manual Integrations
APPROVED

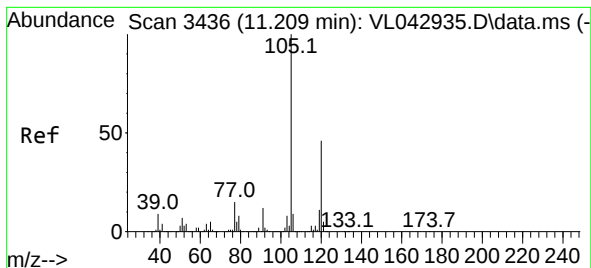
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#72
4-Ethyltoluene
Concen: 1.838 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.003 min
Lab File: VL042930.D
Acq: 17 Sep 2025 10:48

Tgt Ion:105 Resp: 92502
Ion Ratio Lower Upper
105 100
120 29.9 23.1 34.7
91 14.9 10.4 15.6
77 13.8 10.8 16.2





#73

1,3,5-Trimethylbenzene

Concen: 2.009 ppbv

RT: 11.205 min Scan# 3436

Delta R.T. -0.003 min

Lab File: VL042930.D

Acq: 17 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:105 Resp: 79440

Ion Ratio Lower Upper

105 100

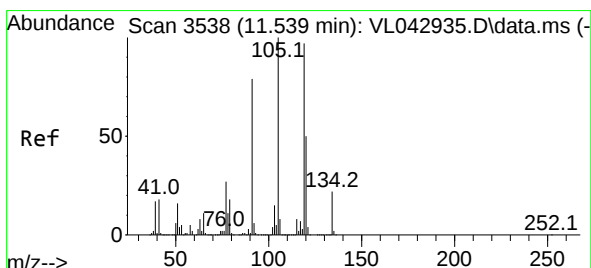
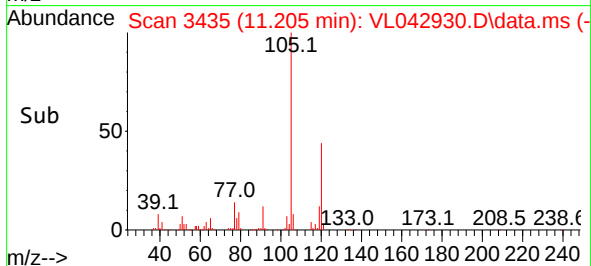
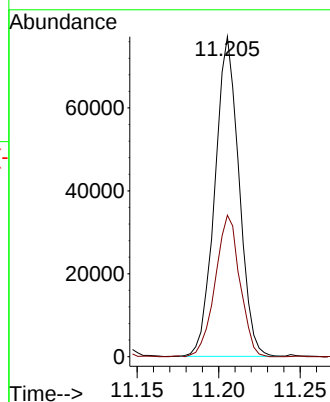
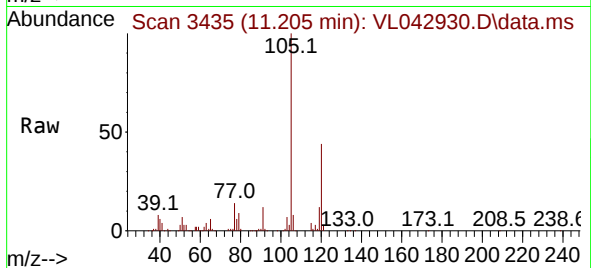
120 44.2 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025



#74

1,2,4-Trimethylbenzene

Concen: 2.125 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.000 min

Lab File: VL042930.D

Acq: 17 Sep 2025 10:48

Tgt Ion:105 Resp: 98757

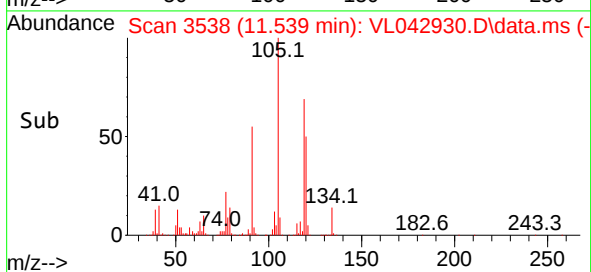
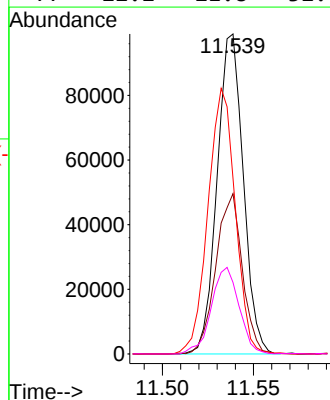
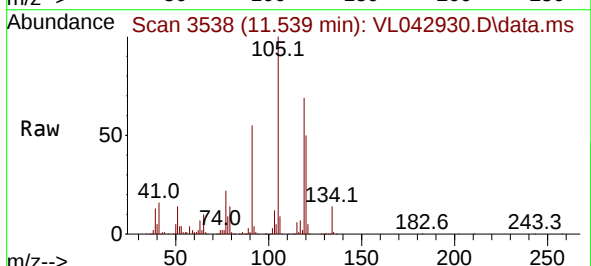
Ion Ratio Lower Upper

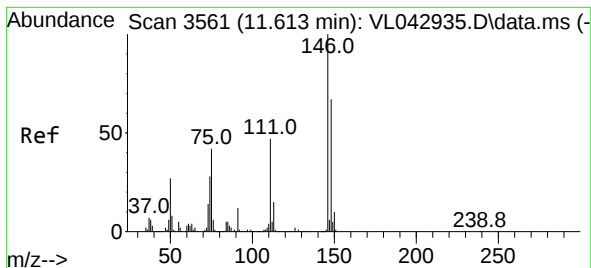
105 100

120 50.0 39.8 59.6

91 54.5 63.1 94.7#

77 22.2 21.8 32.6





#75

1,3-Dichlorobenzene

Concen: 2.010 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. -0.007 min

Lab File: VL042930.D

Acq: 17 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

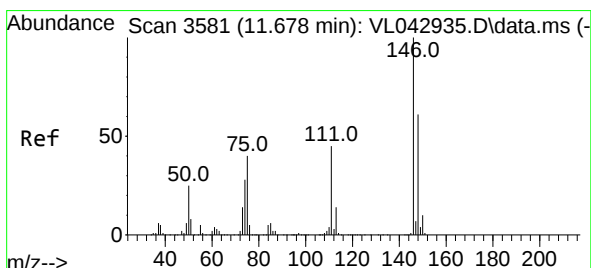
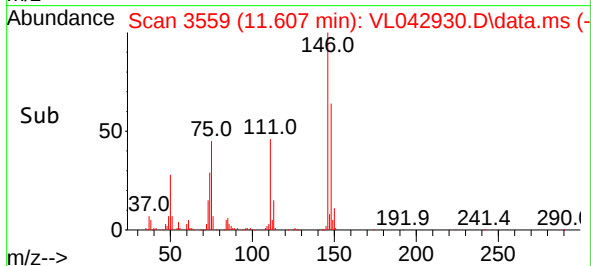
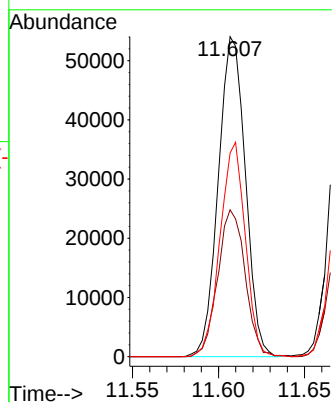
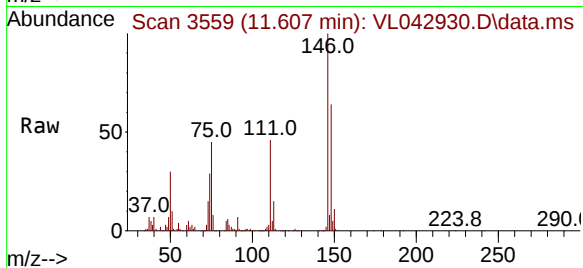
VSTDICC002

Tgt Ion:	146	Resp:	59230
Ion Ratio	Lower	Upper	
146	100		
111	46.5	24.1	72.2
148	62.5	31.8	95.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#76

1,4-Dichlorobenzene

Concen: 1.984 ppbv

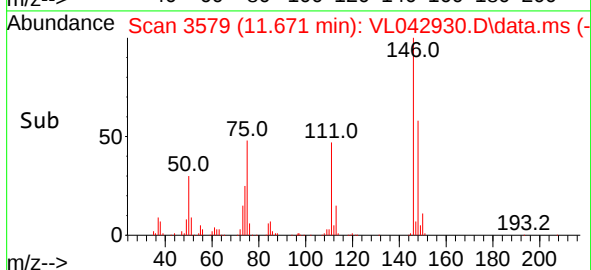
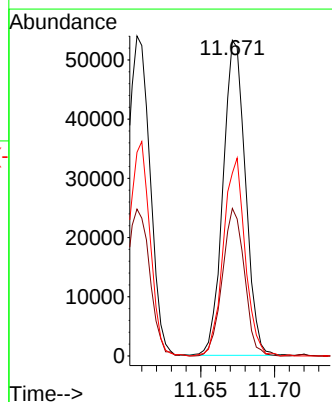
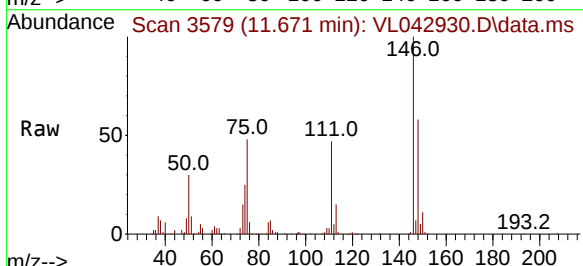
RT: 11.671 min Scan# 3579

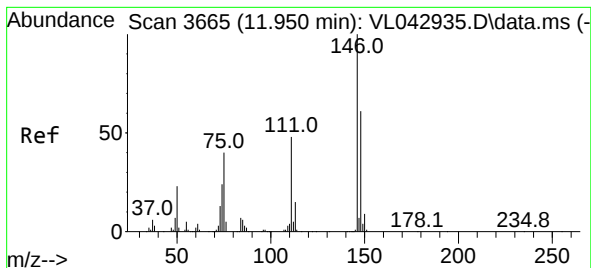
Delta R.T. -0.006 min

Lab File: VL042930.D

Acq: 17 Sep 2025 10:48

Tgt Ion:	146	Resp:	56252
Ion Ratio	Lower	Upper	
146	100		
111	45.8	23.0	69.0
148	61.3	31.8	95.4





#77

1,2-Dichlorobenzene

Concen: 2.020 ppbv

RT: 11.947 min Scan# 3664

Delta R.T. -0.003 min

Lab File: VL042930.D

Acq: 17 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

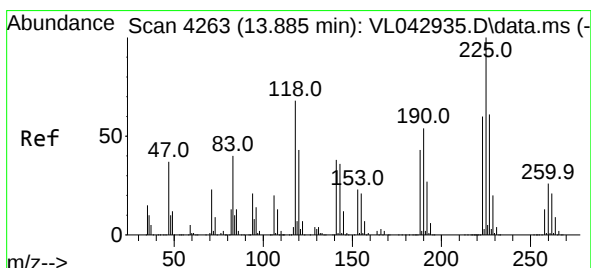
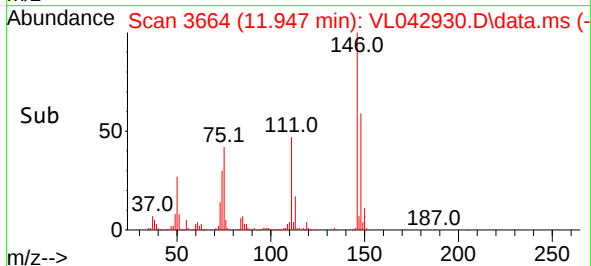
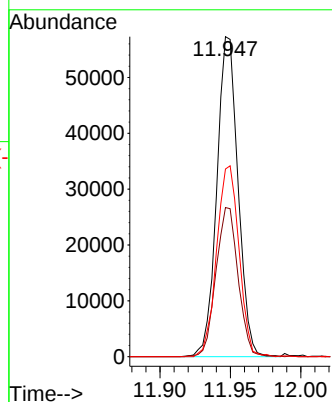
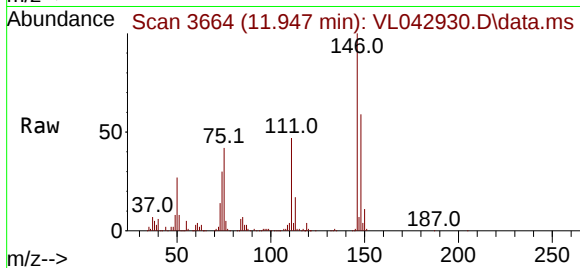
VSTDIC002

Tgt Ion:	146	Resp:	6005
Ion Ratio	Lower	Upper	
146	100		
111	48.7	24.6	73.8
148	62.8	31.4	94.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#78

Hexachloro-1,3-Butadiene

Concen: 1.996 ppbv

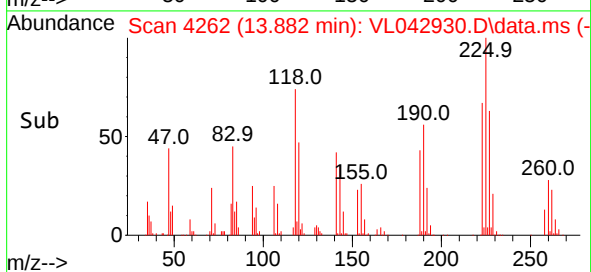
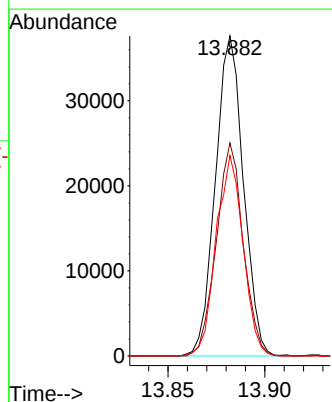
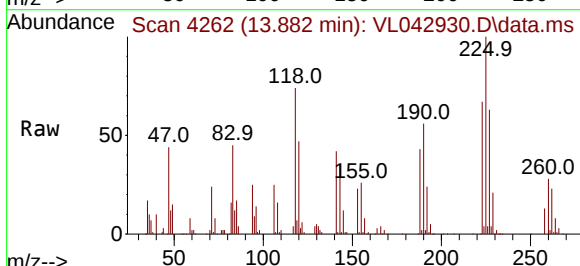
RT: 13.882 min Scan# 4262

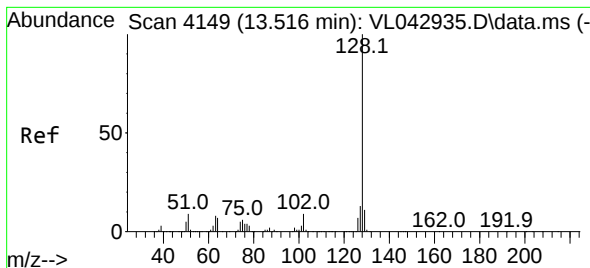
Delta R.T. -0.003 min

Lab File: VL042930.D

Acq: 17 Sep 2025 10:48

Tgt Ion:	225	Resp:	37895
Ion Ratio	Lower	Upper	
225	100		
223	63.7	50.6	76.0
227	60.2	50.5	75.7





#79

Naphthalene

Concen: 1.785 ppbv

RT: 13.513 min Scan# 4149

Delta R.T. -0.003 min

Lab File: VL042930.D

Acq: 17 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

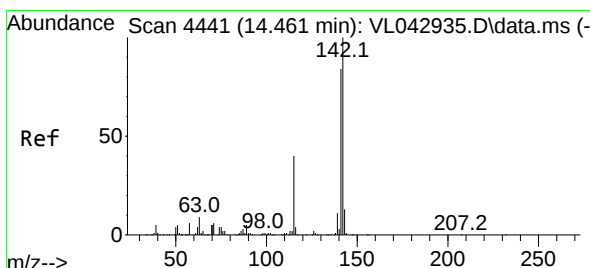
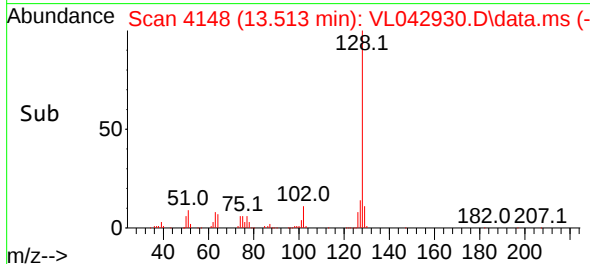
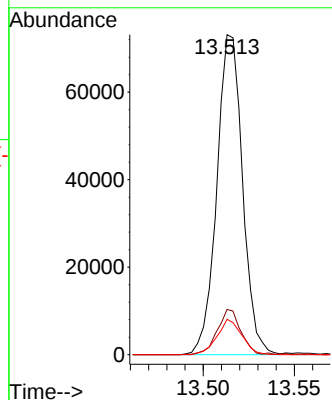
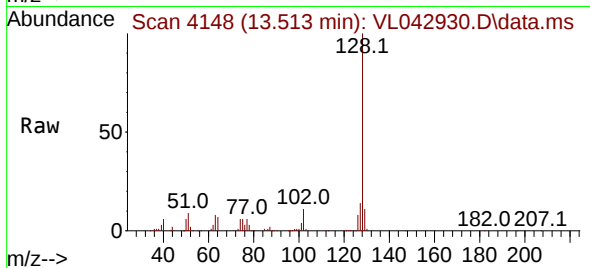
VSTDICC002

Tgt Ion:	128	Resp:	7176
Ion Ratio	Lower	Upper	
128	100		
127	14.1	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#80

Naphthalene,2-methyl-

Concen: 1.745 ppbv

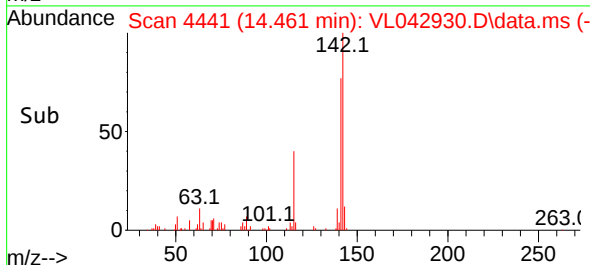
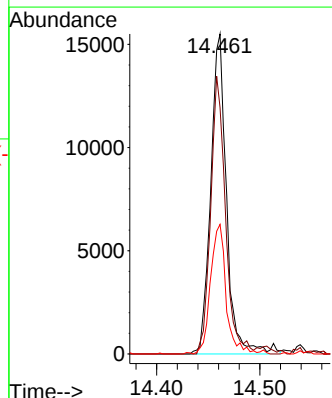
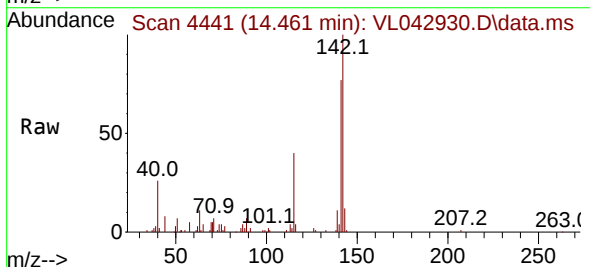
RT: 14.461 min Scan# 4441

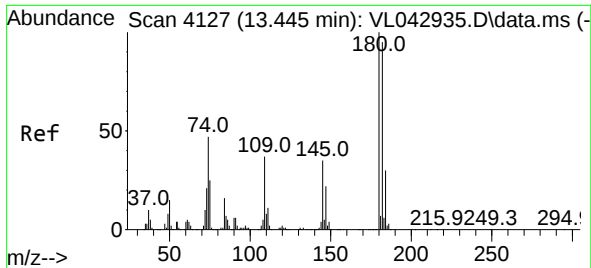
Delta R.T. 0.000 min

Lab File: VL042930.D

Acq: 17 Sep 2025 10:48

Tgt Ion:	142	Resp:	16473
Ion Ratio	Lower	Upper	
142	100		
141	83.6	67.0	100.6
115	40.2	32.0	48.0





#81

1,2,4-Trichlorobenzene

Concen: 1.886 ppbv

RT: 13.442 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042930.D

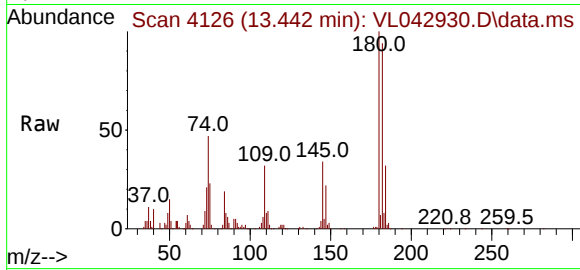
Acq: 17 Sep 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002



Tgt Ion:180 Resp: 3579

Ion Ratio Lower Upper

180 100

182 90.2 75.5 113.3

184 29.9 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025

