

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080725\
 Data File : VL042824.D
 Acq On : 07 Aug 2025 08:27
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/08/2025
 Supervised By : Mahesh Dadoda 08/11/2025

Quant Time: Aug 08 01:12:22 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 8 2025

QLast Update : Thu Jul 24 05:24:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.780	49	152875	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	409968	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	350615	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 289682 10.433 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	198002	9.796	ppbv	99
3) Chlorodifluoromethane	1.473	51	259636	9.861	ppbv	99
4) Chloromethane	1.531	50	81057	9.913	ppbv	99
5) Vinyl Chloride	1.576	62	69415	8.592	ppbv	97
6) Bromomethane	1.664	94	29967	9.594	ppbv	100
7) Chloroethane	1.703	64	29394	9.416	ppbv	97
8) Dichlorotetrafluoroethane	1.550	85	160036	9.627	ppbv	99
9) Propene	1.482	41	84574	8.838	ppbv	100
10) Heptane	4.965	43	266506	10.328	ppbv	99
11) Trichlorofluoromethane	1.874	101	202046	9.697	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	154906	9.784	ppbv	99
13) Ethanol	1.719	45	6698	8.461	ppbv	96
14) Bromoethene	1.777	108	54097	9.650	ppbv	99
15) Acetone	1.832	43	168703	7.992	ppbv	98
16) 1,3-Butadiene	1.605	39	83330	9.255	ppbv	99
17) tert-Butyl alcohol	2.036	59	172327	9.051	ppbv	98
18) 1,1-Dichloroethene	2.029	96	64871	9.068	ppbv	99
19) Isopropyl Alcohol	1.881	45	103955	9.267	ppbv	98
20) Methylene Chloride	2.055	84	58299	8.764	ppbv	97
21) Allyl Chloride	2.091	41	127987	9.837	ppbv	99
22) trans-1,2-Dichloroethene	2.337	96	75249	9.778	ppbv	92
23) Vinyl Acetate	2.457	43	276849	10.818	ppbv	99
24) 1,1-Dichloroethane	2.405	63	157224	9.953	ppbv	100
25) Ethyl Acetate	2.829	43	470307	10.065	ppbv	99
26) Hexane	2.819	57	199330	9.725	ppbv	96
27) Carbon Disulfide	2.146	76	181651	10.352	ppbv	97
28) Methyl tert-Butyl Ether	2.437	73	96685	9.985	ppbv	99
29) Chloroform	2.842	83	325268	10.269	ppbv	96
30) Cyclohexane	3.845	84	162874	9.369	ppbv	94
31) cis-1,2-Dichloroethene	2.712	61	193169	9.171	ppbv	94
32) 1,1,1-Trichloroethane	3.360	97	310277	9.404	ppbv	99
34) 2-Butanone	2.551	43	304692	10.492	ppbv	99
35) Carbon Tetrachloride	3.751	117	332414	10.916	ppbv	98
36) Benzene	3.648	78	396745	10.211	ppbv	98
37) 1,2-Dichloroethane	3.211	62	246983	10.552	ppbv	99
38) Trichloroethene	4.538	130	179403	9.611	ppbv	95
39) 1,2-Dichloropropane	4.298	63	147118	10.258	ppbv	99
40) 1,4-Dioxane	4.564	88	63053	9.432	ppbv #	93
41) Tetrahydrofuran	3.046	42	159238	10.776	ppbv	96
42) Bromodichloromethane	4.476	83	338249	11.096	ppbv	95
43) Methyl Methacrylate	4.868	69	144407	10.456	ppbv	98
44) 2,2,4-Trimethylpentane	4.628	57	693154	10.945	ppbv	98
45) t-1,3-Dichloropropene	6.399	75	156600	10.112	ppbv #	89

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Instrument :
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 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/08/2025
 Supervised By : Mahesh Dadoda 08/11/2025

Quant Time: Aug 08 01:12:22 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 8 2025

QLast Update : Thu Jul 24 05:24:41 2025

Response via : Initial Calibration

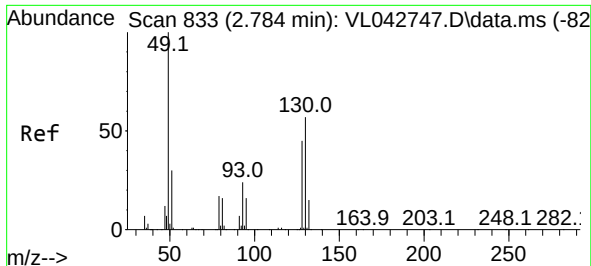
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	202323	10.309	ppbv	98
47) 1,1,2-Trichloroethane	6.567	97	159326	10.421	ppbv	96
48) Dibromochloromethane	7.376	129	272360	11.222	ppbv	99
49) Bromoform	9.474	173	244228	11.540	ppbv	99
50) 4-Methyl-2-Pentanone	5.735	43	407716	10.899	ppbv	97
51) 2-Hexanone	7.425	43	326255	11.541	ppbv #	96
52) Tetrachloroethene	8.215	164	145788	9.052	ppbv	98
53) Toluene	6.920	91	432808m	10.373	ppbv	
54) 1,2-Dibromoethane	7.642	107	233457	10.808	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.917	131	211408	11.597	ppbv	99
57) Chlorobenzene	8.914	112	371449	10.947	ppbv	97
58) Ethyl Benzene	9.348	91	615869	11.123	ppbv	98
59) m/p-Xylene	9.542	91	1060554m	23.967	ppbv	
60) o-Xylene	9.956	91	524632	11.865	ppbv	100
61) Styrene	9.865	104	207723	11.168	ppbv	99
62) Isopropylbenzene	10.532	105	750824	11.512	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.956	83	318926	11.235	ppbv	99
64) n-propylbenzene	10.982	120	203161	11.948	ppbv	99
65) tert-Butylbenzene	11.526	119	685288	11.829	ppbv	99
66) Benzyl Chloride	11.610	91	67529	14.199	ppbv	98
67) sec-Butylbenzene	11.762	105	963413	11.692	ppbv	99
69) p-Isopropyltoluene	11.921	119	822590	12.243	ppbv	100
70) n-Butylbenzene	12.277	91	841132	12.960	ppbv	99
71) 2-Chlorotoluene	10.895	91	575639	11.510	ppbv	99
72) 4-Ethyltoluene	11.118	105	644350	12.202	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	541834	12.462	ppbv	100
74) 1,2,4-Trimethylbenzene	11.532	105	608776	12.834	ppbv	92
75) 1,3-Dichlorobenzene	11.600	146	386529	11.624	ppbv	99
76) 1,4-Dichlorobenzene	11.665	146	391456	12.030	ppbv	99
77) 1,2-Dichlorobenzene	11.940	146	380829	11.653	ppbv	99
78) Hexachloro-1,3-Butadiene	13.876	225	302640	10.231	ppbv	99
79) Naphthalene	13.507	128	563249	10.903	ppbv	100
80) Naphthalene,2-methyl-	14.452	142	203706	8.150	ppbv	98
81) 1,2,4-Trichlorobenzene	13.435	180	313518	10.802	ppbv	100

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

Manual Integrations APPROVED

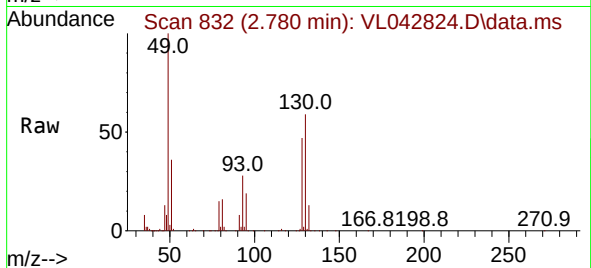
Quant Time: Aug 08 01:12:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

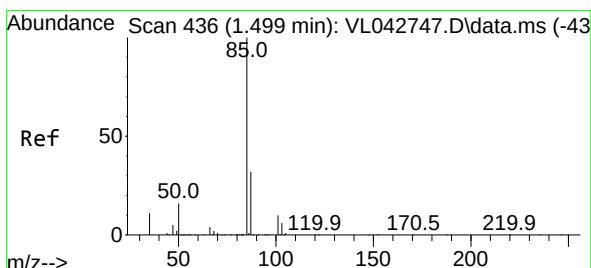
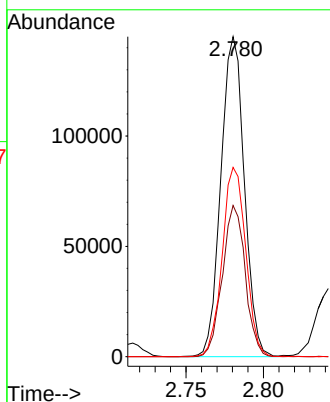
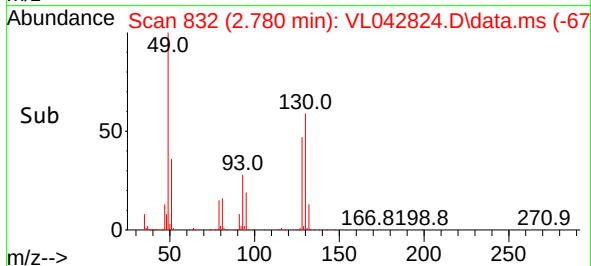
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 49 Resp: 152879
Ion Ratio Lower Upper
49 100
128 46.0 23.6 71.0
130 59.2 30.3 90.8

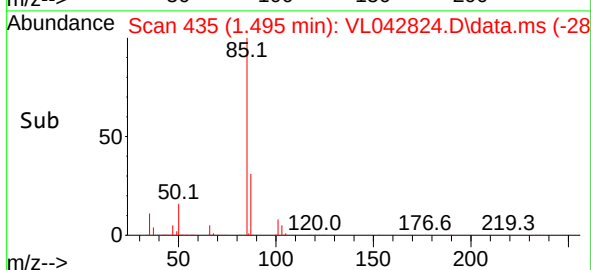
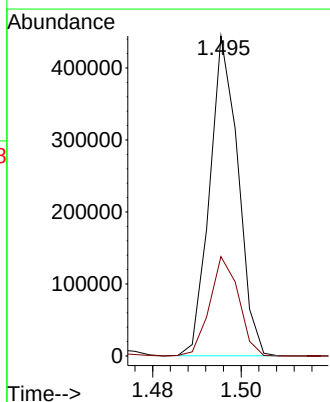
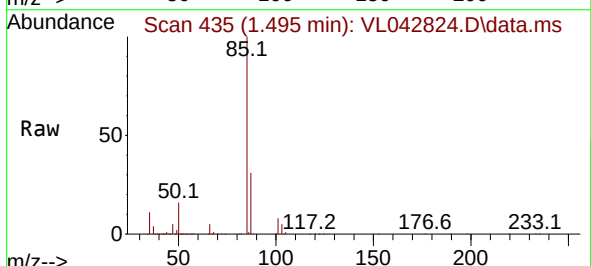
Manual Integrations
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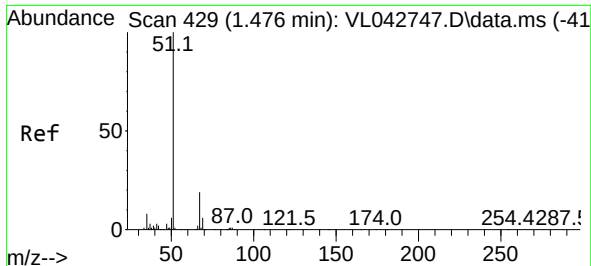
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025



#2
Dichlorodifluoromethane
Concen: 9.796 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

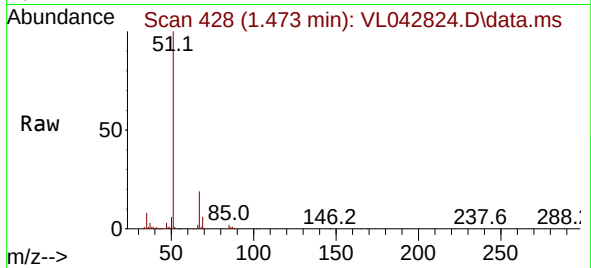
Tgt Ion: 85 Resp: 198002
Ion Ratio Lower Upper
85 100
87 31.1 25.4 38.2





#3
Chlorodifluoromethane
Concen: 9.861 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

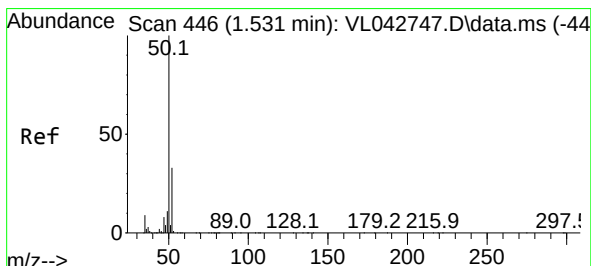
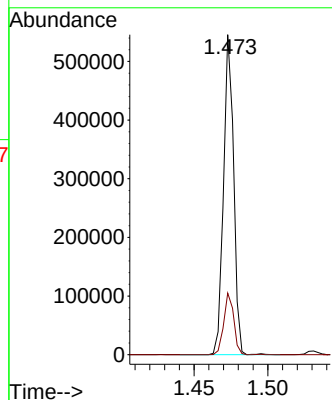
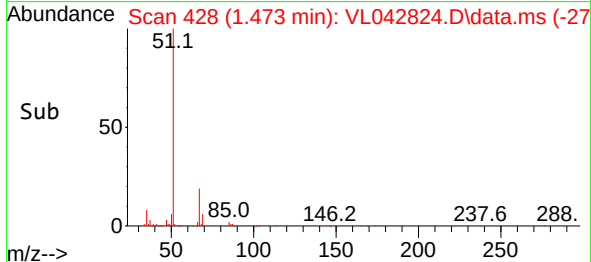
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



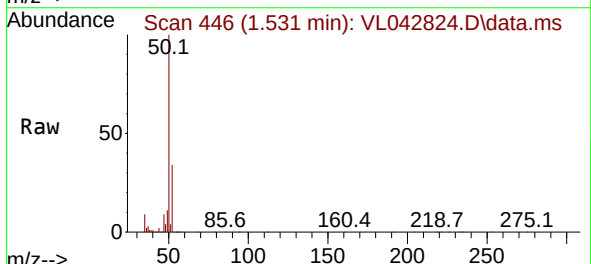
Tgt Ion: 51 Resp: 259630
Ion Ratio Lower Upper
51 100
67 19.1 15.0 22.6

Manual Integrations
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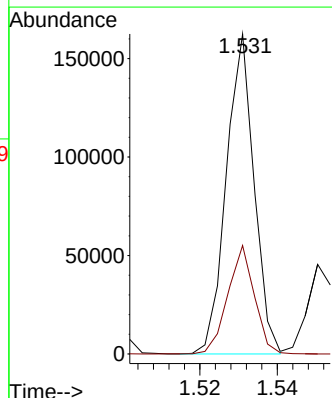
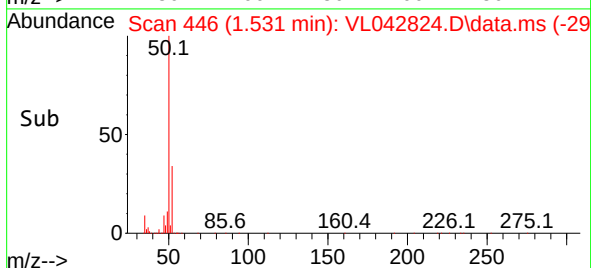
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025

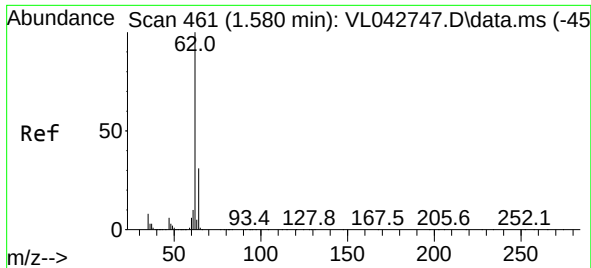


#4
Chloromethane
Concen: 9.913 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27



Tgt Ion: 50 Resp: 81057
Ion Ratio Lower Upper
50 100
52 33.9 26.6 40.0





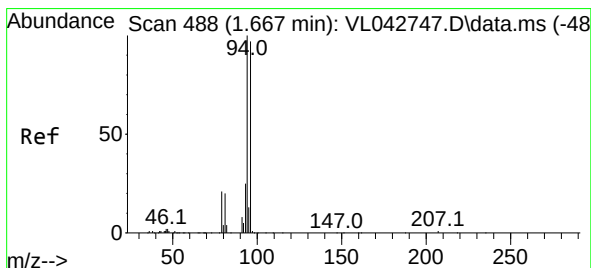
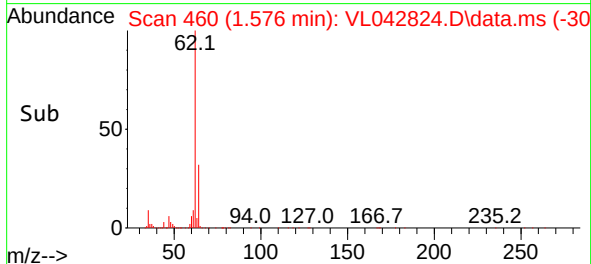
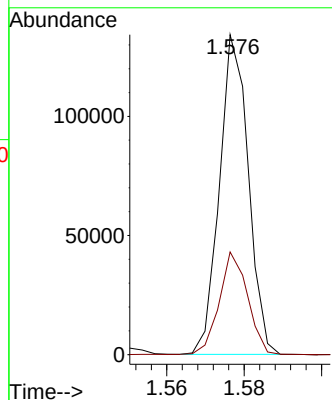
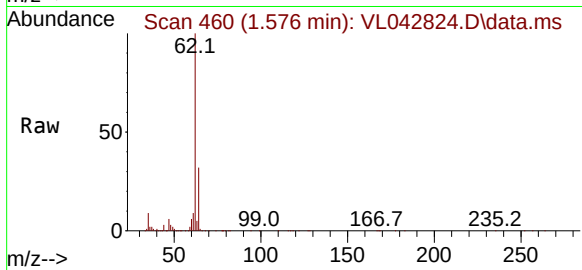
#5
 Vinyl Chloride
 Concen: 8.592 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.003 min
 Lab File: VL042824.D
 Acq: 07 Aug 2025 08:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 69415
 Ion Ratio Lower Upper
 62 100
 64 32.0 24.5 36.7

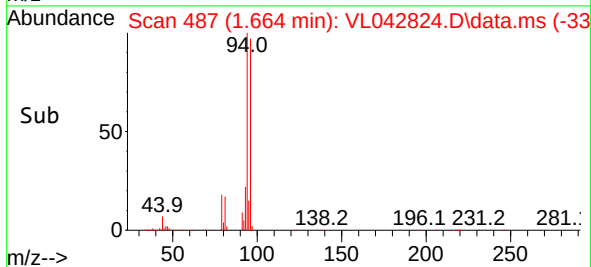
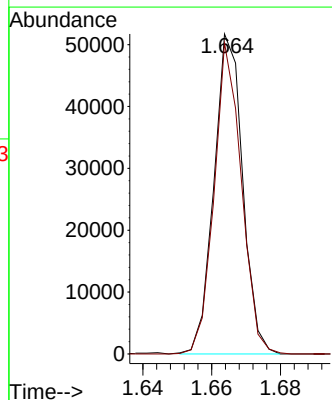
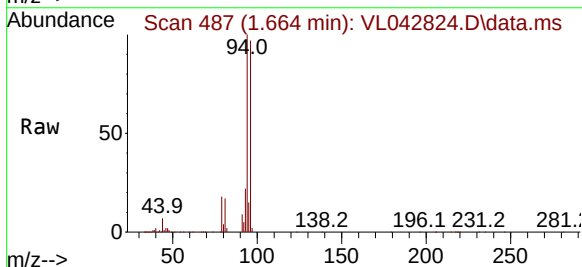
Manual Integrations
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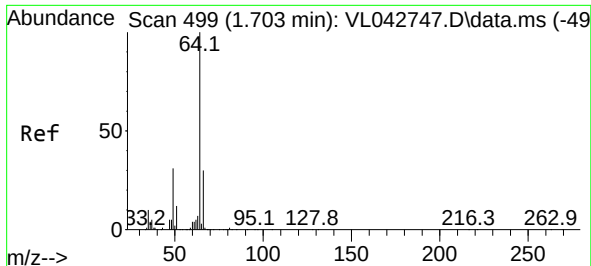
Reviewed By :Semsettin Yesilyurt 08/08/2025
 Supervised By :Mahesh Dadoda 08/11/2025



#6
 Bromomethane
 Concen: 9.594 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.003 min
 Lab File: VL042824.D
 Acq: 07 Aug 2025 08:27

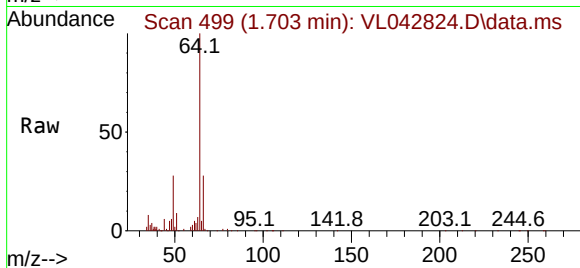
Tgt Ion: 94 Resp: 29967
 Ion Ratio Lower Upper
 94 100
 96 97.0 77.6 116.4





#7
Chloroethane
Concen: 9.416 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

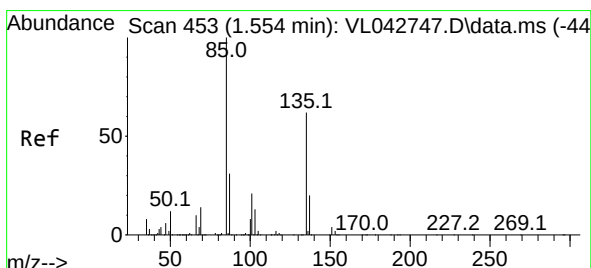
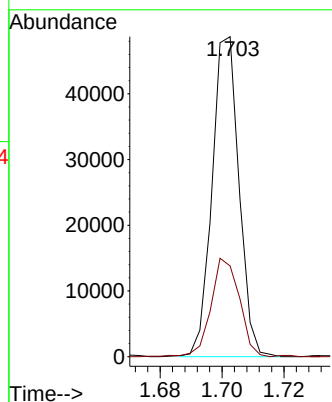
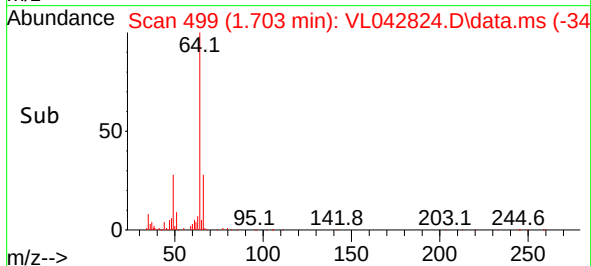
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 64 Resp: 29394
Ion Ratio Lower Upper
64 100
66 28.4 24.1 36.1

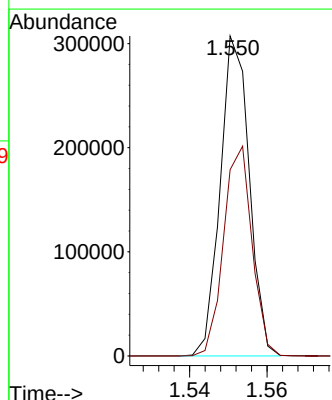
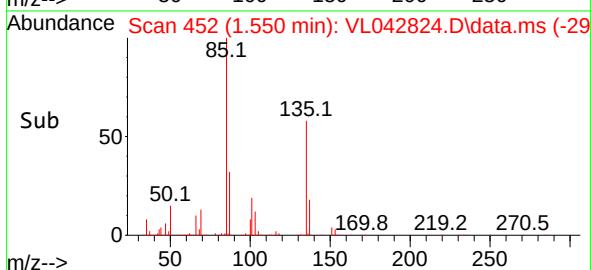
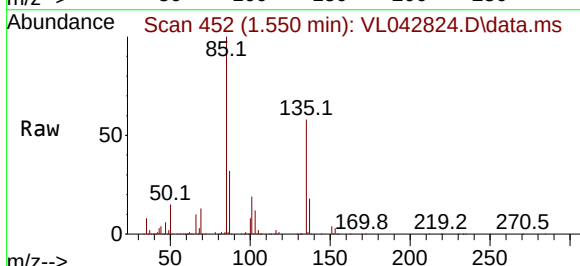
Manual Integrations
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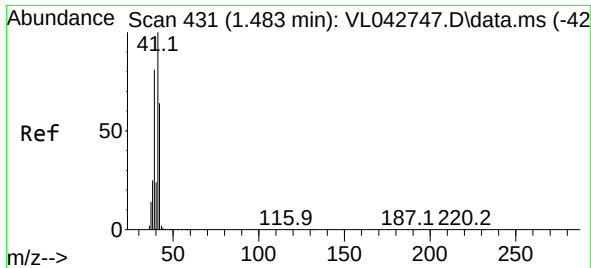
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025



#8
Dichlorotetrafluoroethane
Concen: 9.627 ppbv
RT: 1.550 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

Tgt Ion: 85 Resp: 160036
Ion Ratio Lower Upper
85 100
135 64.3 50.6 76.0





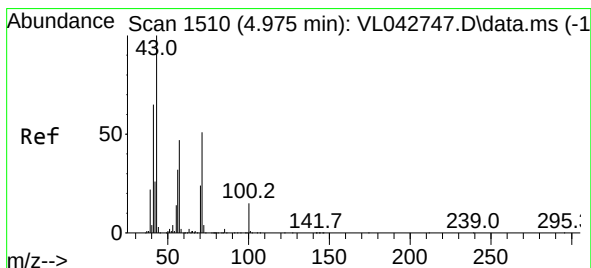
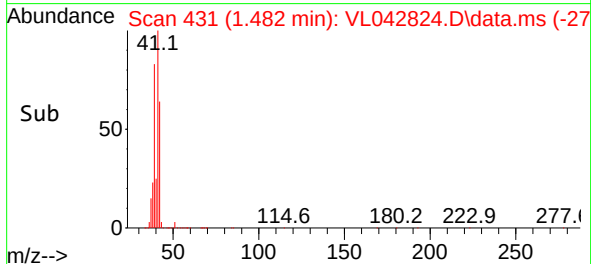
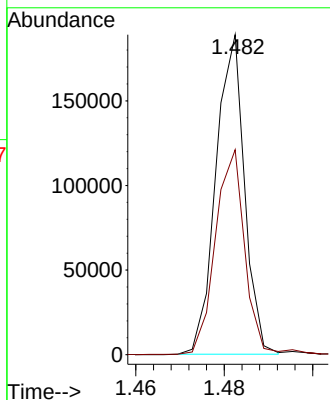
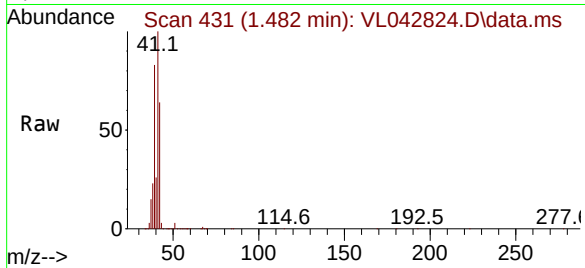
#9
Propene
Concen: 8.838 ppbv
RT: 1.482 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 84574
Ion Ratio Lower Upper
41 100
42 66.9 53.2 79.8

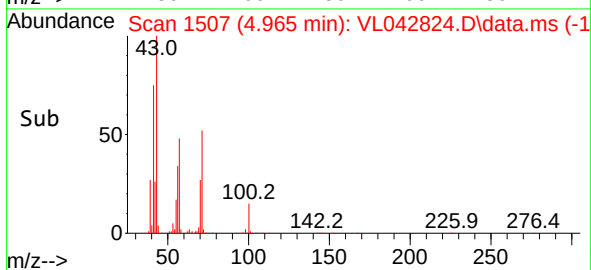
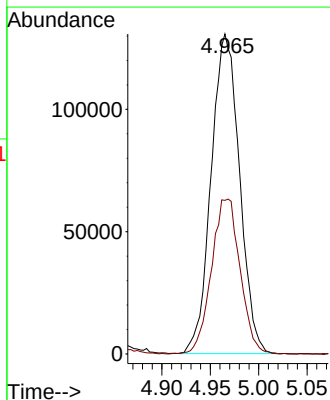
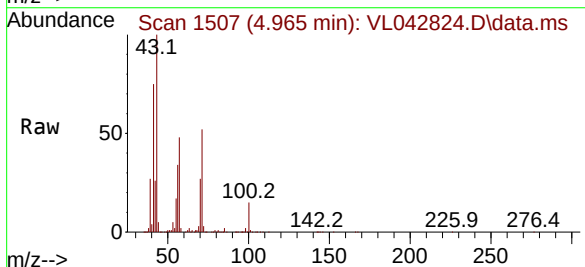
Manual Integrations
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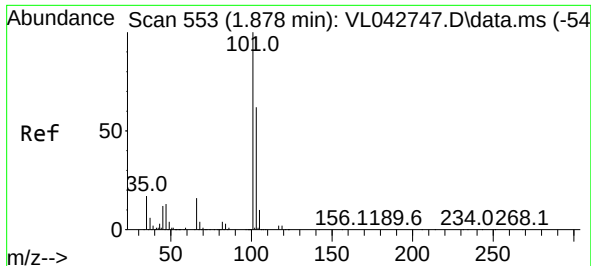
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025



#10
Heptane
Concen: 10.328 ppbv
RT: 4.965 min Scan# 1507
Delta R.T. -0.010 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

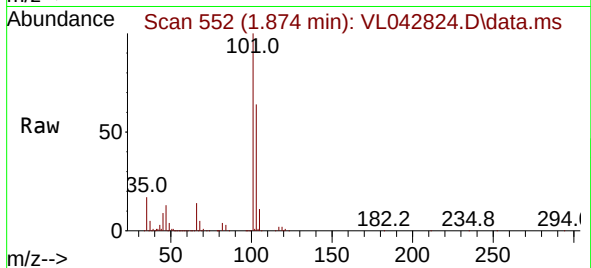
Tgt Ion: 43 Resp: 266506
Ion Ratio Lower Upper
43 100
57 48.9 39.9 59.9





#11
Trichlorofluoromethane
Concen: 9.697 ppbv
RT: 1.874 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

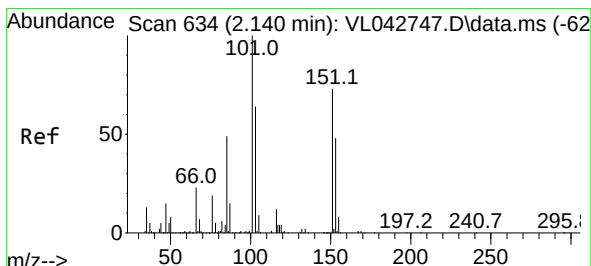
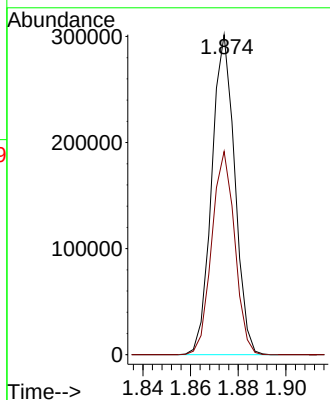
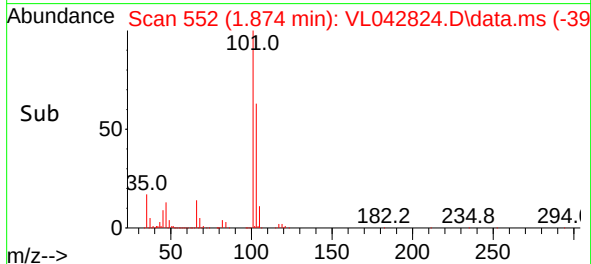
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



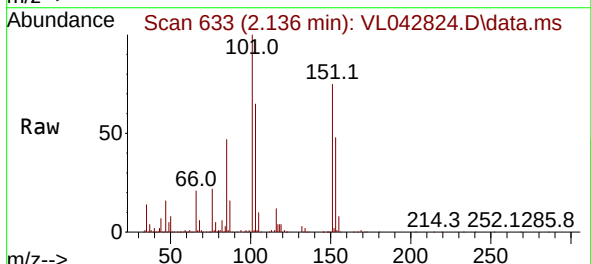
Tgt Ion:101 Resp: 202040
Ion Ratio Lower Upper
101 100
103 63.5 49.6 74.4

Manual Integrations
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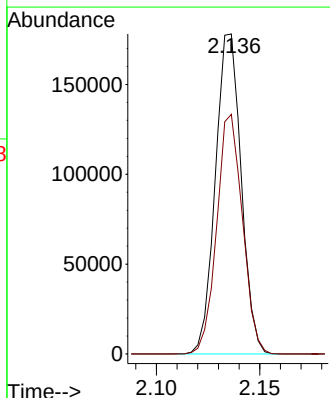
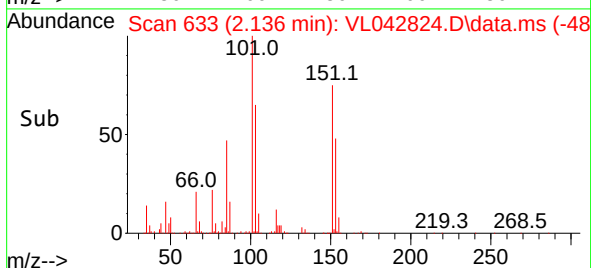
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025

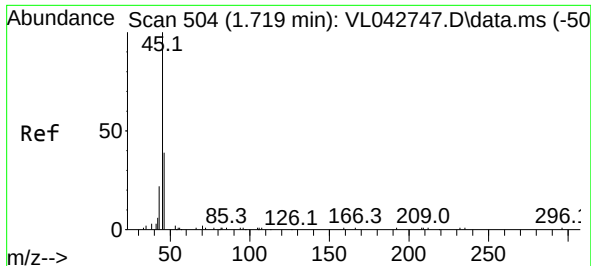


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.784 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27



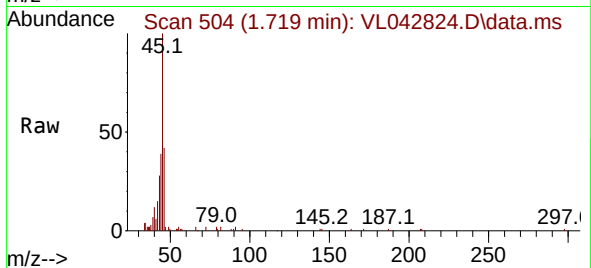
Tgt Ion:101 Resp: 154906
Ion Ratio Lower Upper
101 100
151 74.6 60.5 90.7





#13
Ethanol
Concen: 8.461 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

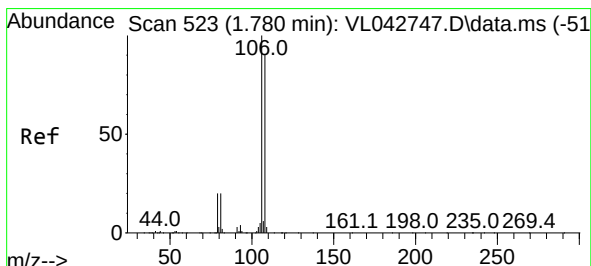
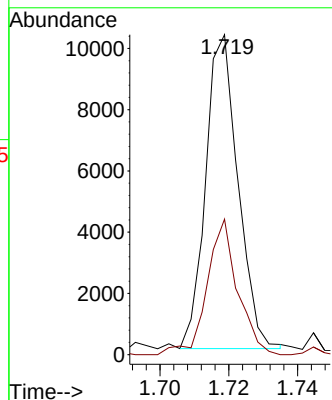
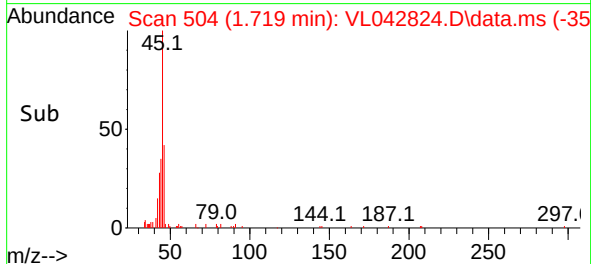
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



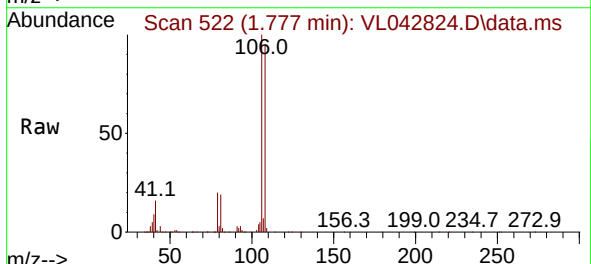
Tgt Ion: 45 Resp: 6698
Ion Ratio Lower Upper
45 100
46 41.8 17.8 71.4

Manual Integrations
APPROVED

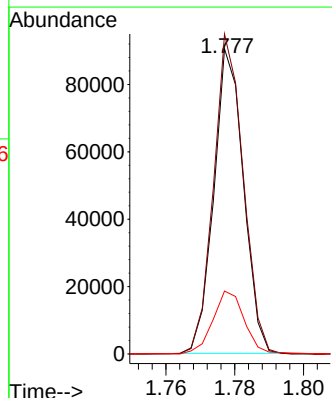
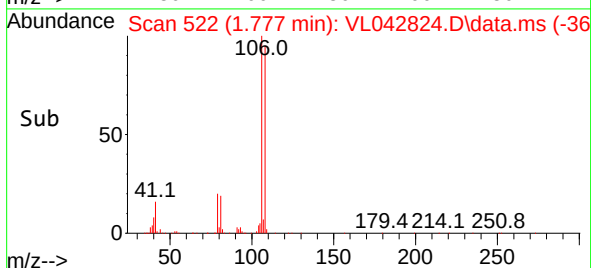
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025

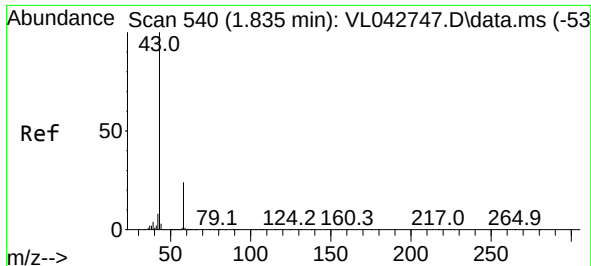


#14
Bromoethene
Concen: 9.650 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.003 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27



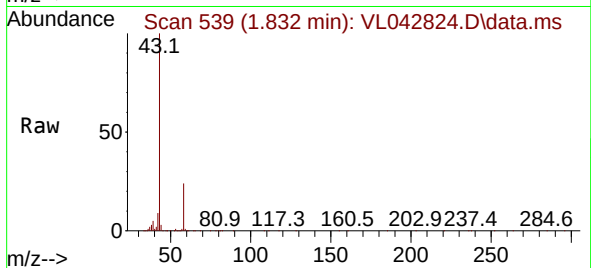
Tgt Ion:108 Resp: 54097
Ion Ratio Lower Upper
108 100
106 105.4 84.7 127.1
79 22.4 17.4 26.2





#15
Acetone
Concen: 7.992 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

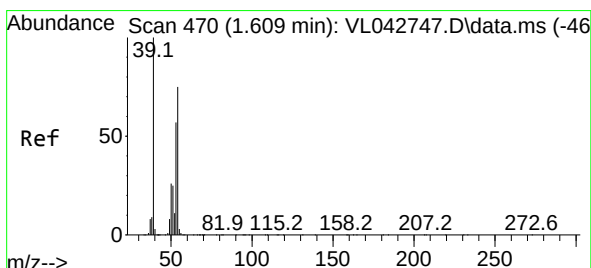
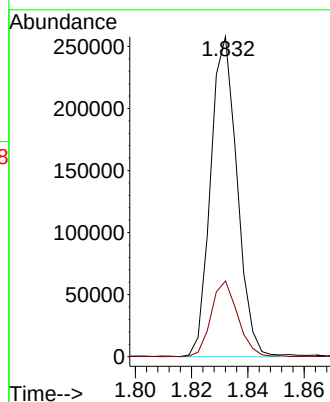
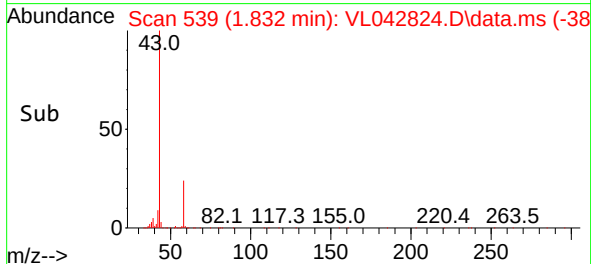
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



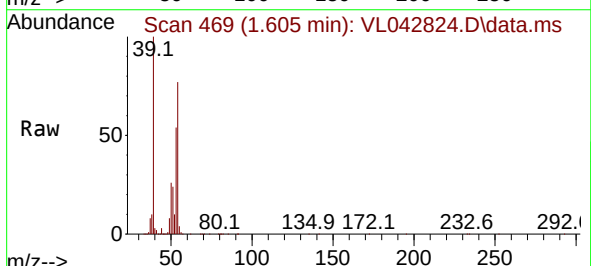
Tgt Ion: 43 Resp: 16870
Ion Ratio Lower Upper
43 100
58 24.0 19.8 29.8

Manual Integrations
APPROVED

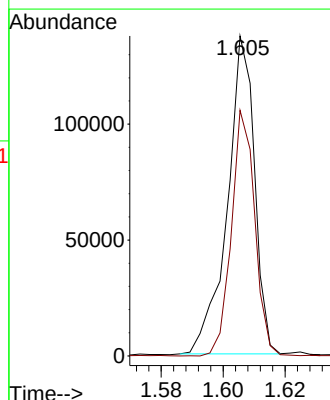
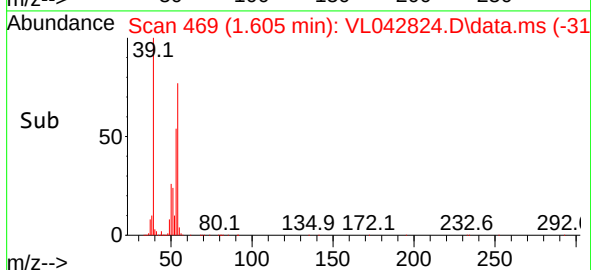
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025

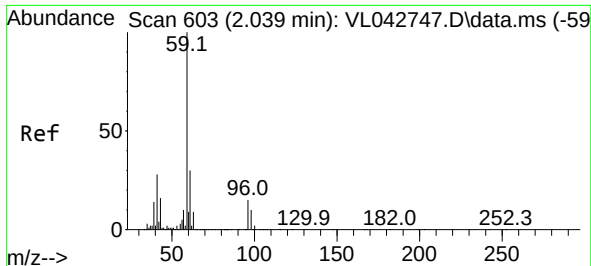


#16
1,3-Butadiene
Concen: 9.255 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27



Tgt Ion: 39 Resp: 83330
Ion Ratio Lower Upper
39 100
54 66.9 54.5 81.7





#17

tert-Butyl alcohol

Concen: 9.051 ppbv

RT: 2.036 min Scan# 603

Delta R.T. -0.003 min

Lab File: VL042824.D

Acq: 07 Aug 2025 08:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 17232

Ion Ratio Lower Upper

59 100

57 11.0 8.3 12.5

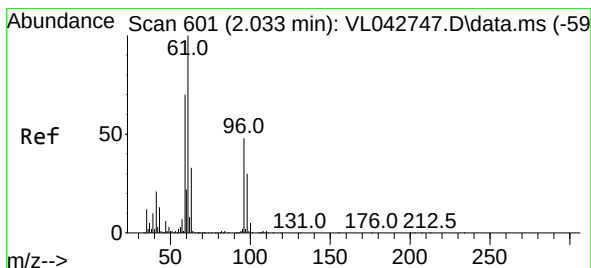
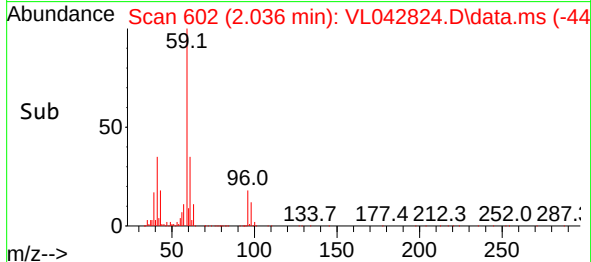
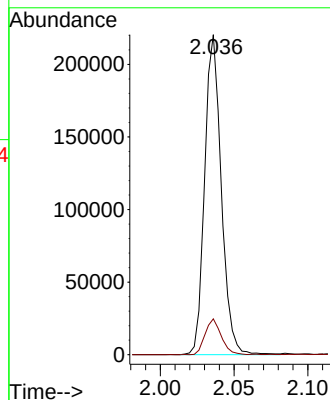
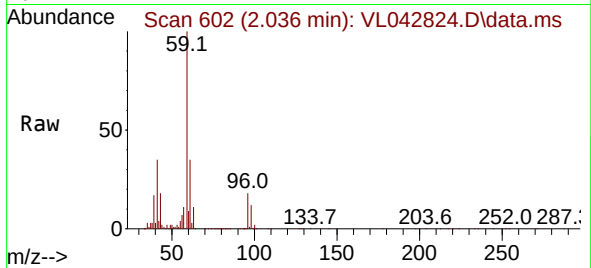
Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2025

Supervised By :Mahesh Dadoda

08/11/2025



#18

1,1-Dichloroethene

Concen: 9.068 ppbv

RT: 2.029 min Scan# 600

Delta R.T. -0.003 min

Lab File: VL042824.D

Acq: 07 Aug 2025 08:27

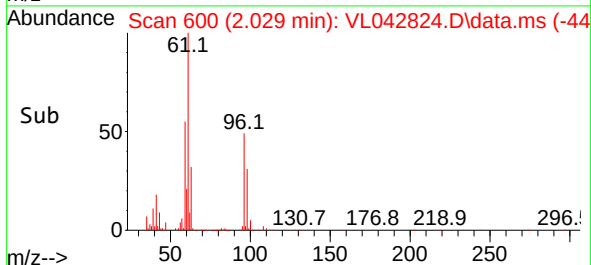
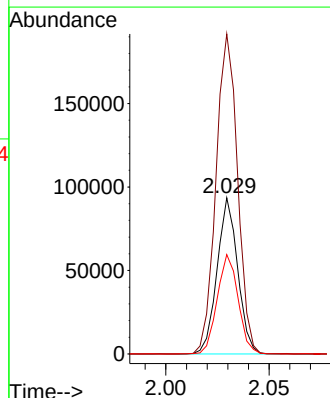
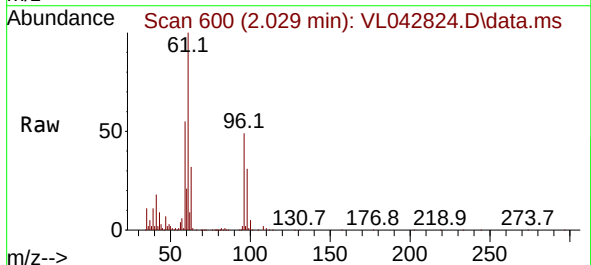
Tgt Ion: 96 Resp: 64871

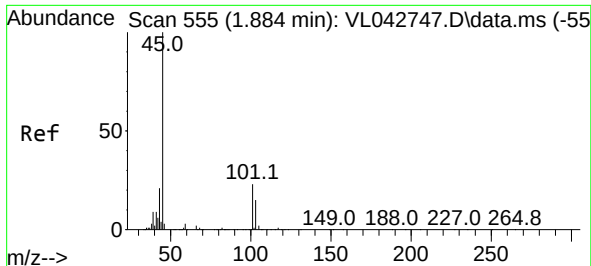
Ion Ratio Lower Upper

96 100

61 205.0 165.8 248.6

98 63.6 49.9 74.9





#19

Isopropyl Alcohol

Concen: 9.267 ppbv

RT: 1.881 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL042824.D

Acq: 07 Aug 2025 08:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 45 Resp: 10395

Ion Ratio Lower Upper

45 100

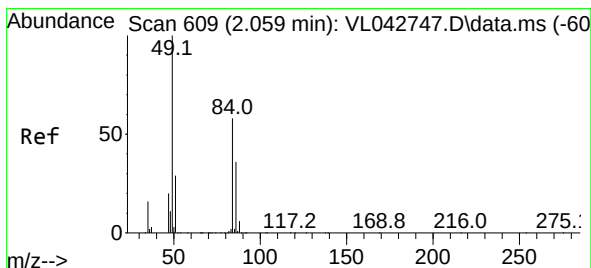
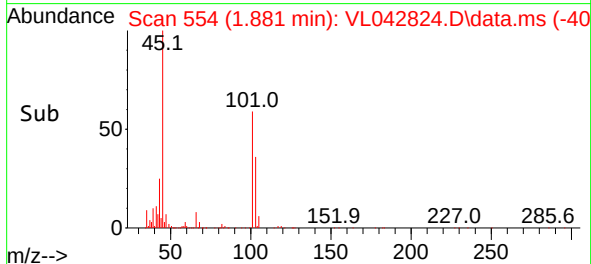
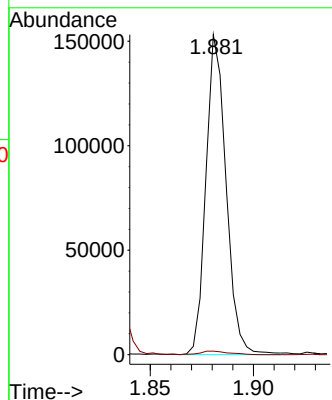
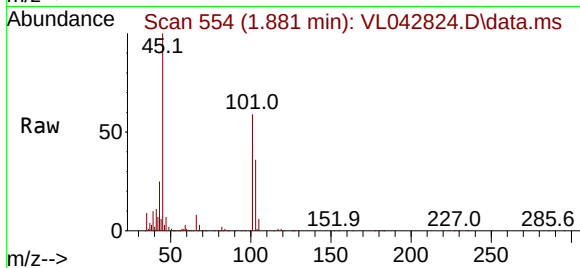
58 39.0 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2025

Supervised By :Mahesh Dadoda 08/11/2025



#20

Methylene Chloride

Concen: 8.764 ppbv

RT: 2.055 min Scan# 608

Delta R.T. -0.003 min

Lab File: VL042824.D

Acq: 07 Aug 2025 08:27

Tgt Ion: 84 Resp: 58299

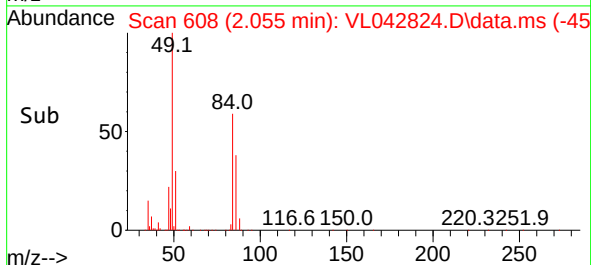
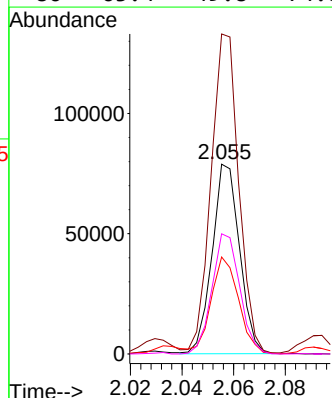
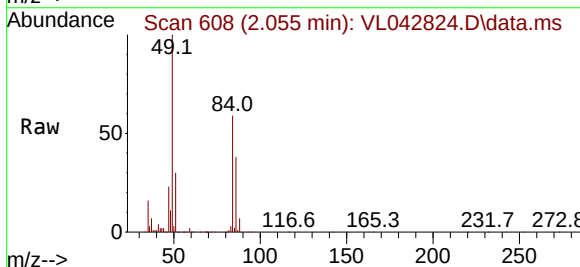
Ion Ratio Lower Upper

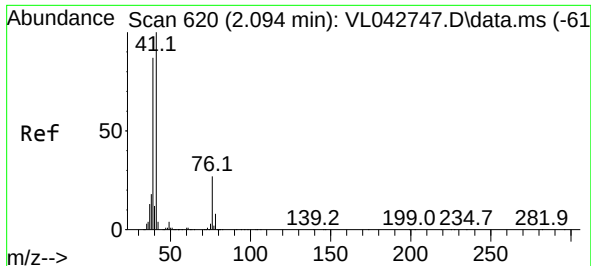
84 100

49 168.3 138.6 208.0

51 51.0 40.6 61.0

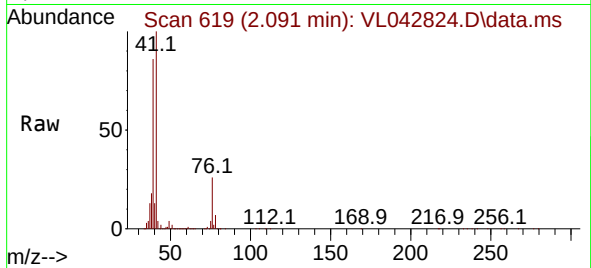
86 63.4 49.8 74.8





#21
 Allyl Chloride
 Concen: 9.837 ppbv
 RT: 2.091 min Scan# 619
 Delta R.T. -0.003 min
 Lab File: VL042824.D
 Acq: 07 Aug 2025 08:27

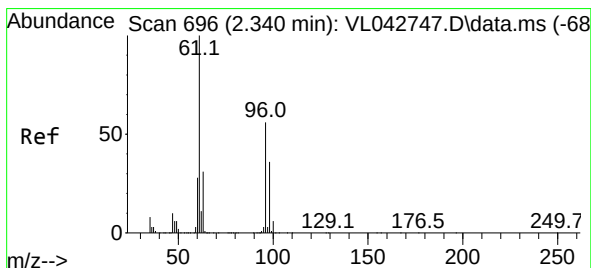
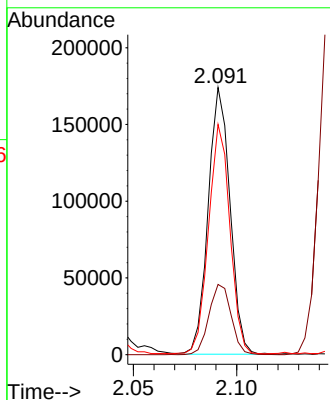
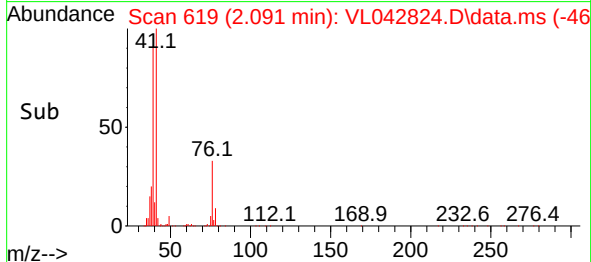
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 41 Resp: 12798
 Ion Ratio Lower Upper
 41 100
 76 26.7 21.1 31.7
 39 84.0 68.3 102.5

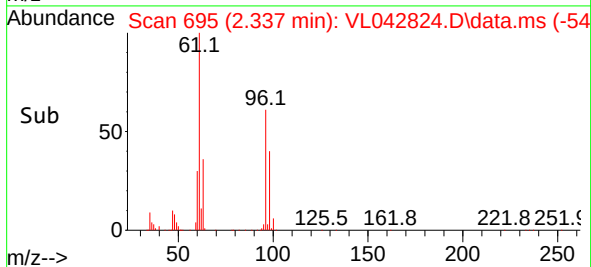
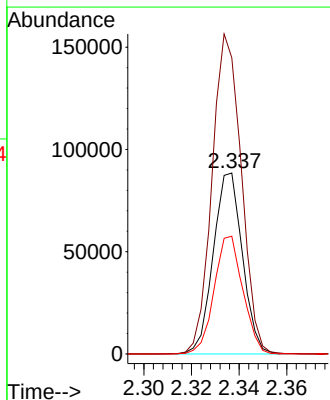
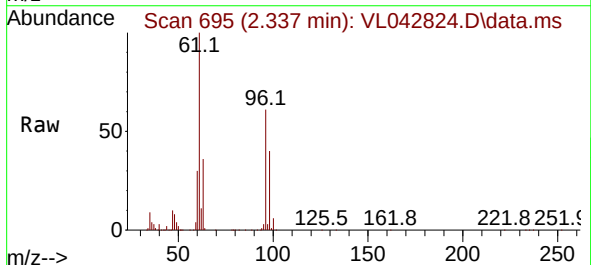
Manual Integrations
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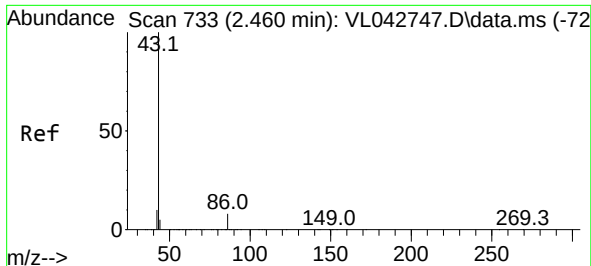
Reviewed By :Semsettin Yesilyurt 08/08/2025
 Supervised By :Mahesh Dadoda 08/11/2025



#22
 trans-1,2-Dichloroethene
 Concen: 9.778 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.003 min
 Lab File: VL042824.D
 Acq: 07 Aug 2025 08:27

Tgt Ion: 96 Resp: 75249
 Ion Ratio Lower Upper
 96 100
 61 163.4 142.3 213.5
 98 64.9 50.6 76.0





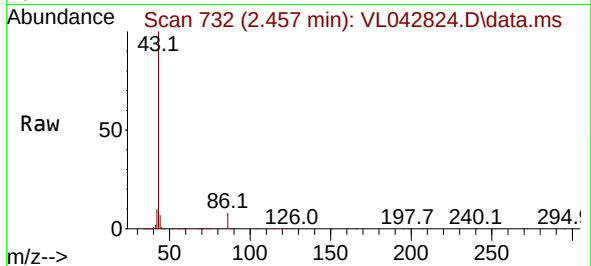
#23
 Vinyl Acetate
 Concen: 10.818 ppbv
 RT: 2.457 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042824.D
 Acq: 07 Aug 2025 08:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

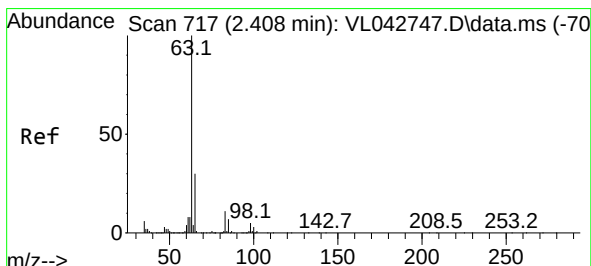
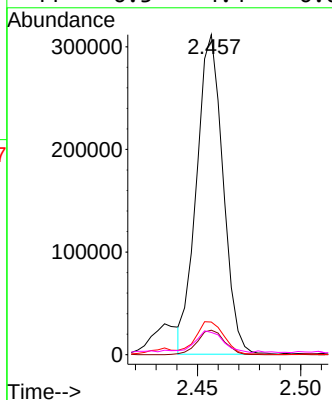
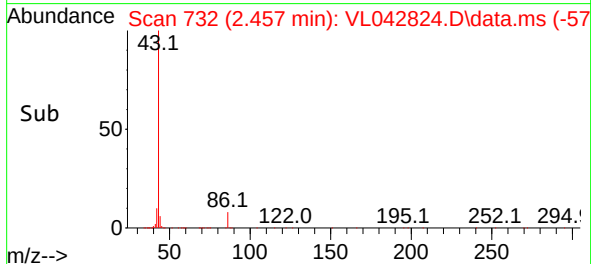


Tgt Ion: 43 Resp: 276849
 Ion Ratio Lower Upper
 43 100
 86 7.7 6.1 9.1
 42 10.2 7.8 11.8
 44 6.3 4.4 6.6

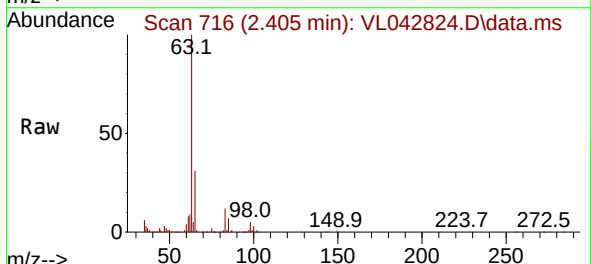
Manual Integrations

APPROVED

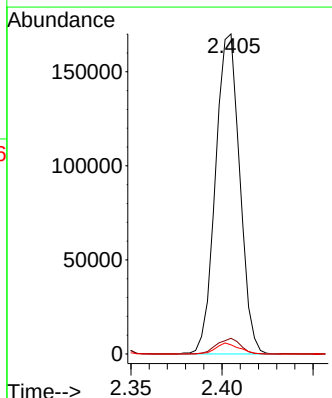
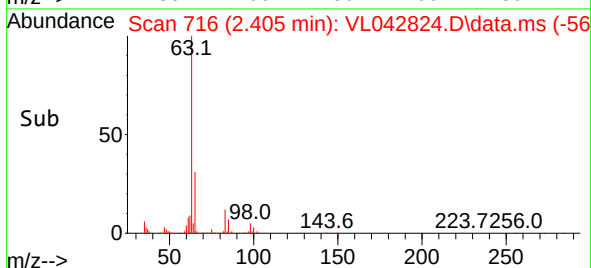
Reviewed By :Semsettin Yesilyurt 08/08/2025
 Supervised By :Mahesh Dadoda 08/11/2025

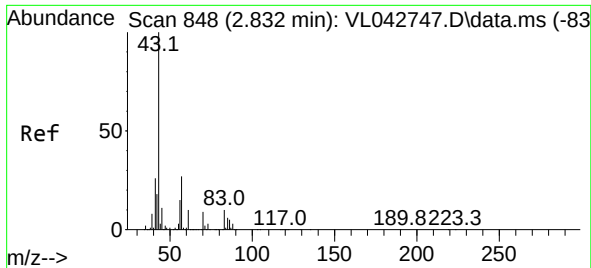


#24
 1,1-Dichloroethane
 Concen: 9.953 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042824.D
 Acq: 07 Aug 2025 08:27



Tgt Ion: 63 Resp: 157224
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.5 7.4
 100 2.8 1.6 4.8





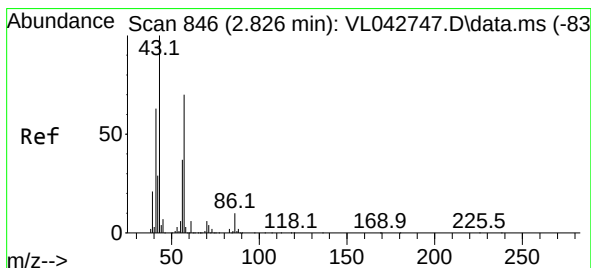
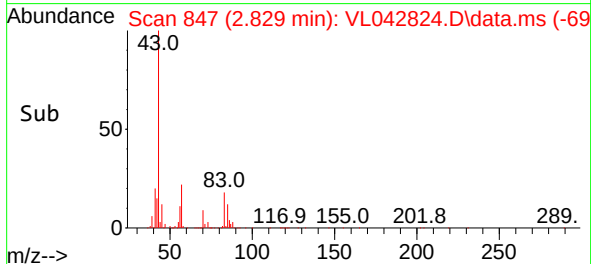
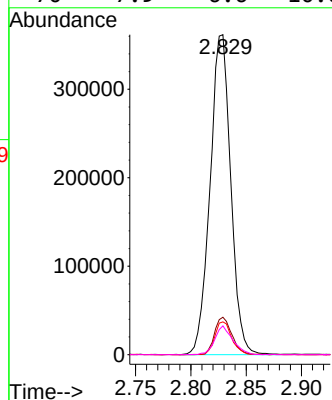
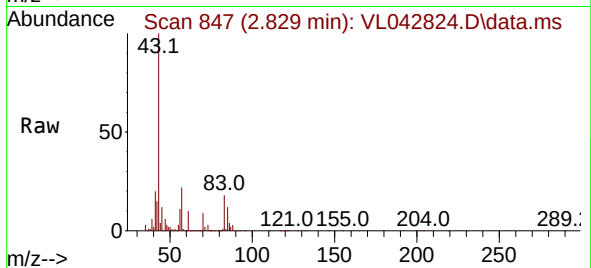
#25
Ethyl Acetate
Concen: 10.065 ppbv
RT: 2.829 min Scan# 844
Delta R.T. -0.003 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 47030
Ion Ratio Lower Upper
43 100
45 9.8 7.8 11.6
61 8.5 6.7 10.1
70 7.9 6.6 10.0

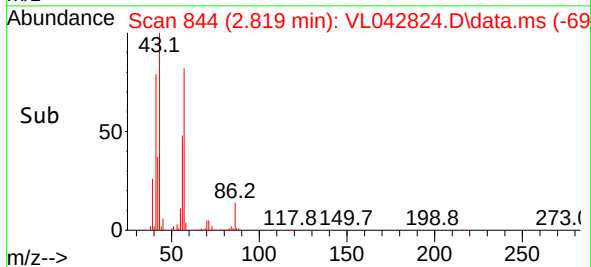
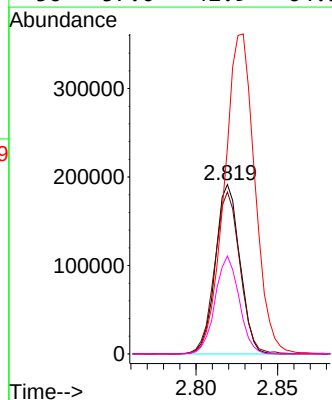
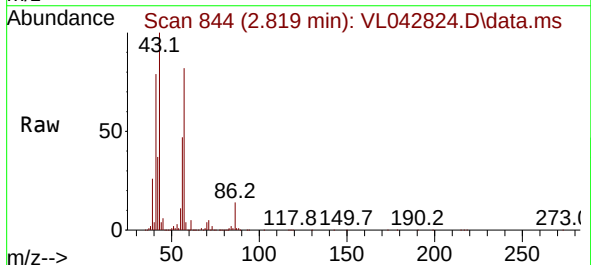
Manual Integrations
APPROVED

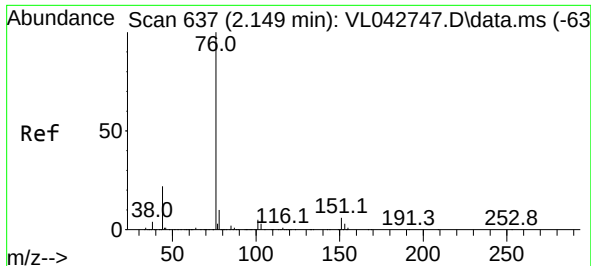
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025



#26
Hexane
Concen: 9.725 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.007 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

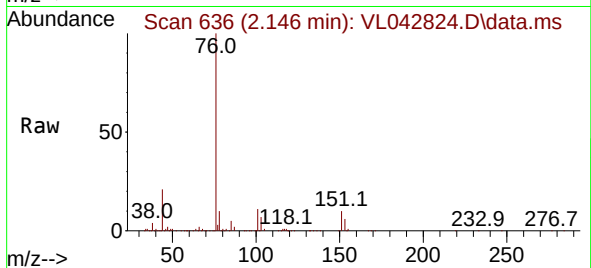
Tgt Ion: 57 Resp: 199330
Ion Ratio Lower Upper
57 100
41 99.5 75.4 113.2
43 236.8 185.0 277.6
56 57.0 42.9 64.3





#27
Carbon Disulfide
Concen: 10.352 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

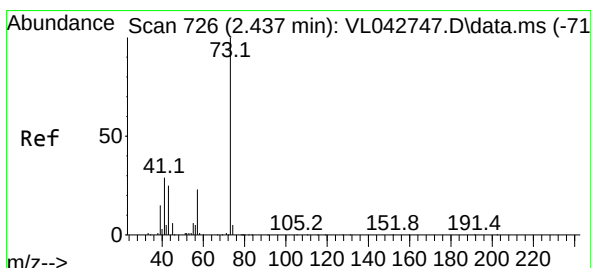
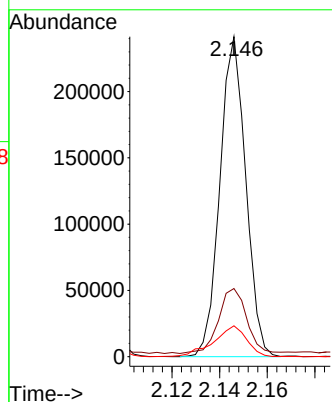
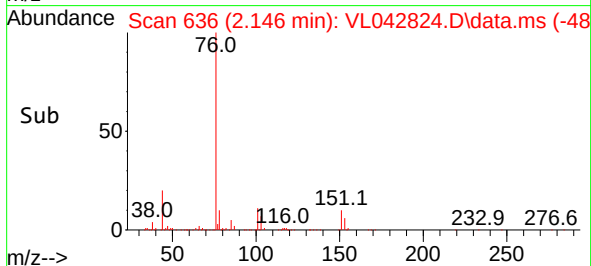
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 76 Resp: 18165
Ion Ratio Lower Upper
76 100
44 21.7 19.3 28.9
78 12.4 9.9 14.9

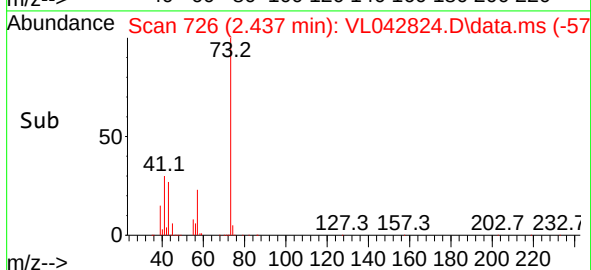
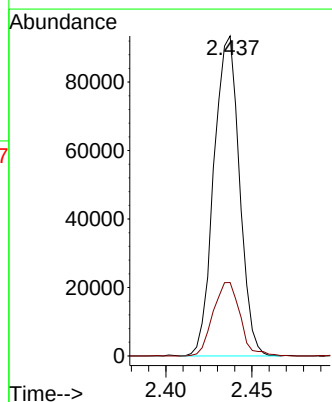
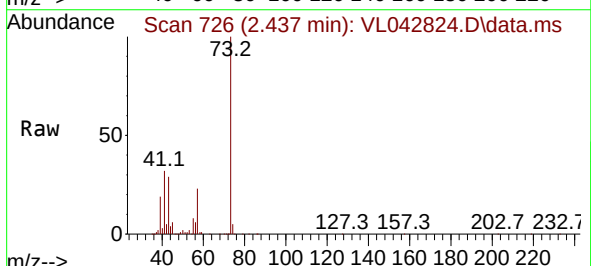
Manual Integrations
APPROVED

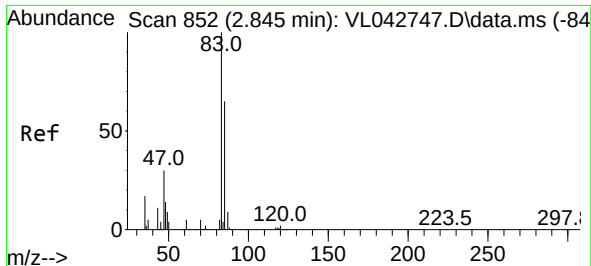
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025



#28
Methyl tert-Butyl Ether
Concen: 9.985 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

Tgt Ion: 73 Resp: 96685
Ion Ratio Lower Upper
73 100
57 24.3 19.8 29.8





#29

Chloroform

Concen: 10.269 ppbv

RT: 2.842 min Scan# 851

Delta R.T. -0.003 min

Lab File: VL042824.D

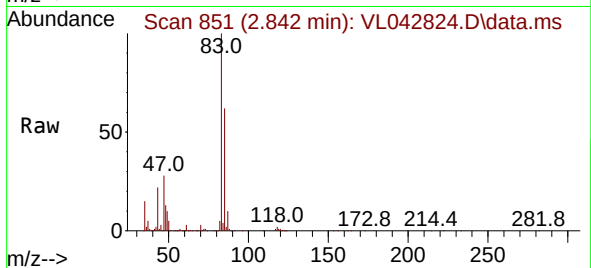
Acq: 07 Aug 2025 08:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion: 83 Resp: 325268

Ion Ratio Lower Upper

83 100

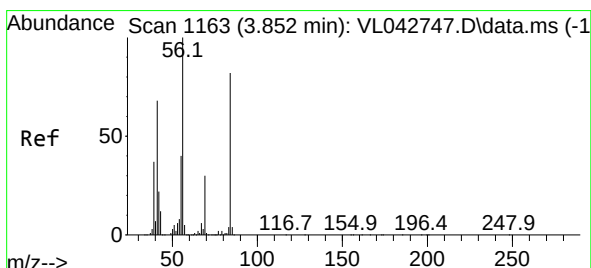
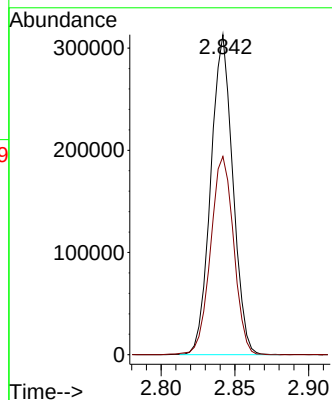
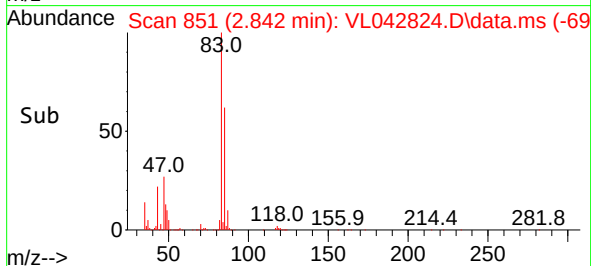
85 62.0 52.2 78.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2025

Supervised By :Mahesh Dadoda 08/11/2025



#30

Cyclohexane

Concen: 9.369 ppbv

RT: 3.845 min Scan# 1161

Delta R.T. -0.007 min

Lab File: VL042824.D

Acq: 07 Aug 2025 08:27

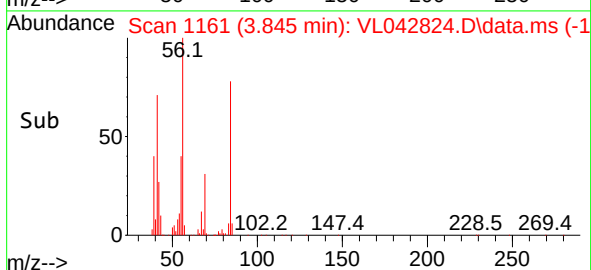
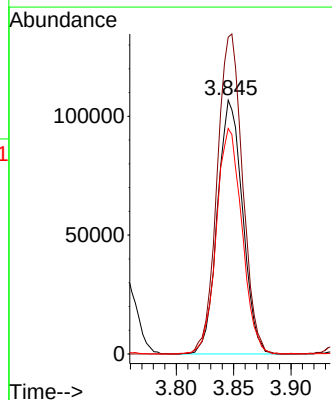
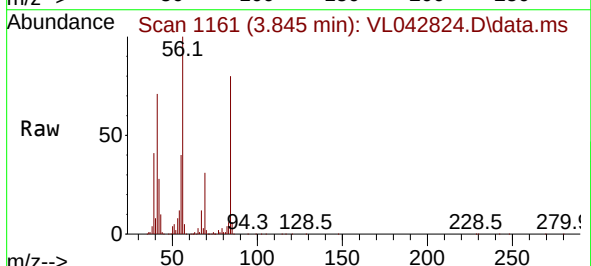
Tgt Ion: 84 Resp: 162874

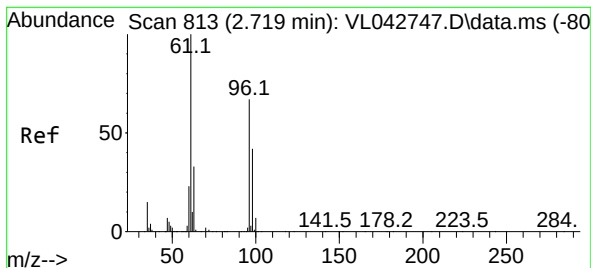
Ion Ratio Lower Upper

84 100

56 127.3 97.5 146.3

41 90.6 67.2 100.8





#31

cis-1,2-Dichloroethene

Concen: 9.171 ppbv

RT: 2.712 min Scan# 81

Delta R.T. -0.007 min

Lab File: VL042824.D

Acq: 07 Aug 2025 08:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 61 Resp: 193169

Ion Ratio Lower Upper

61 100

96 61.0 53.5 80.3

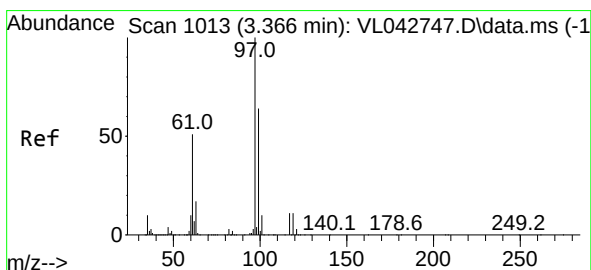
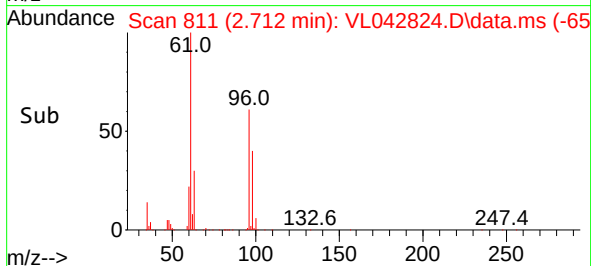
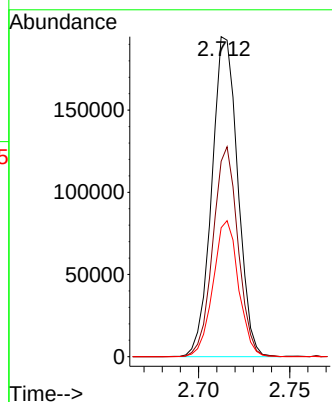
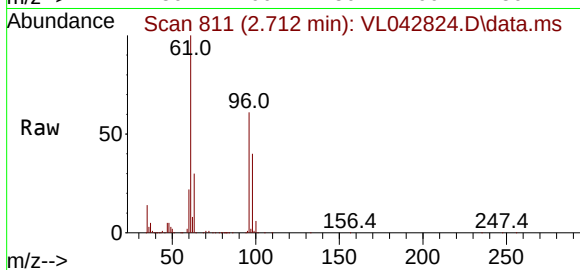
98 40.3 33.6 50.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2025

Supervised By :Mahesh Dadoda 08/11/2025



#32

1,1,1-Trichloroethane

Concen: 9.404 ppbv

RT: 3.360 min Scan# 1011

Delta R.T. -0.007 min

Lab File: VL042824.D

Acq: 07 Aug 2025 08:27

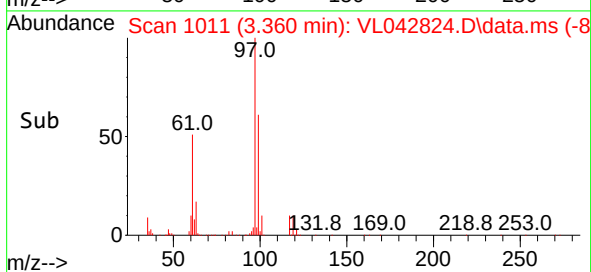
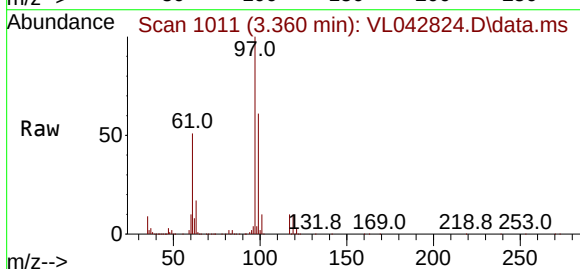
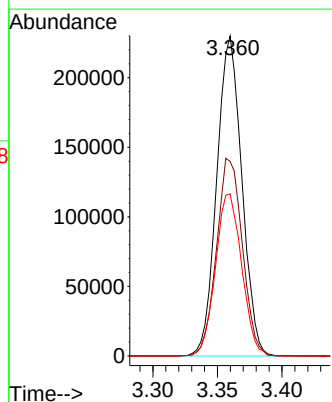
Tgt Ion: 97 Resp: 310277

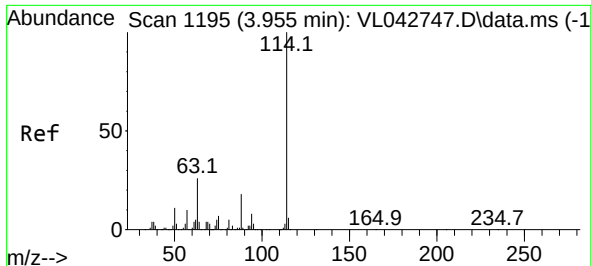
Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.6

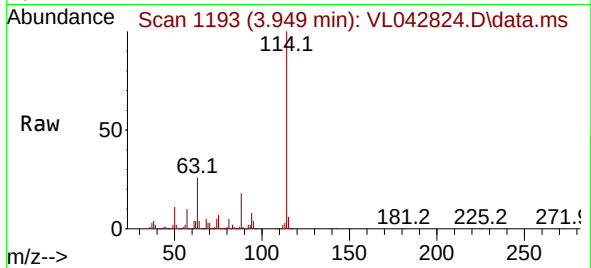
61 52.9 40.9 61.3





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.007 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

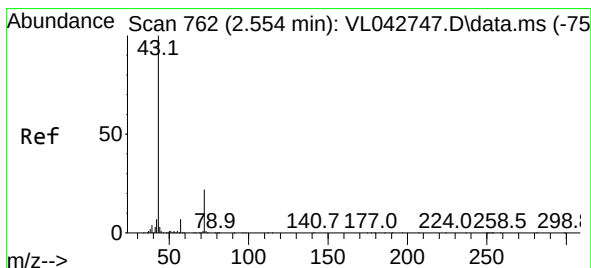
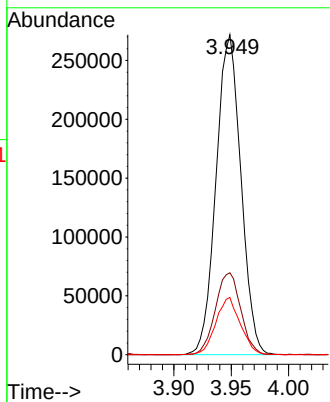
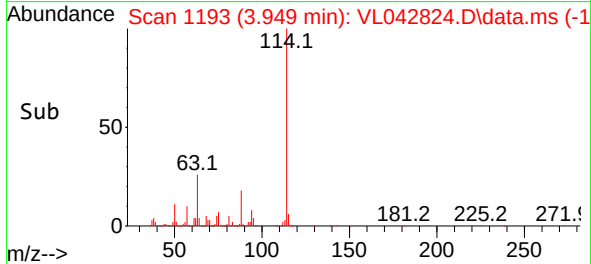
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



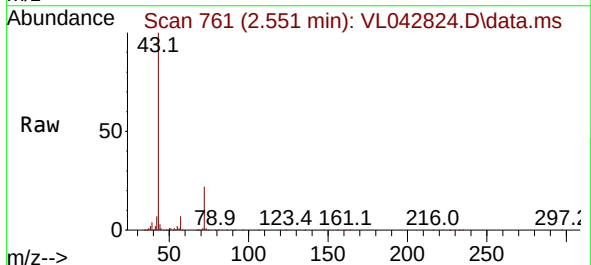
Tgt Ion:114 Resp: 409968
Ion Ratio Lower Upper
114 100
63 26.2 20.5 30.7
88 17.7 14.0 21.0

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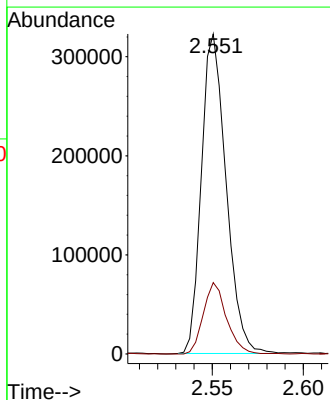
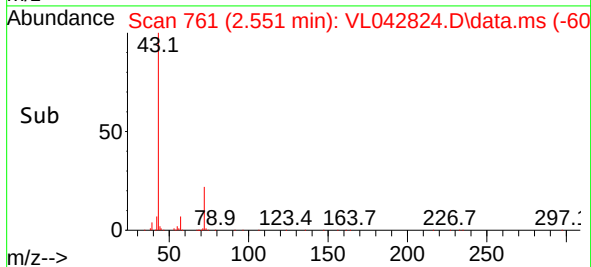
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025

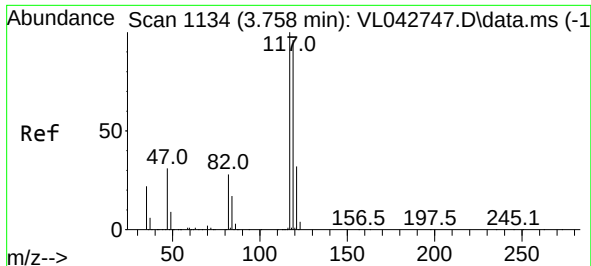


#34
2-Butanone
Concen: 10.492 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.003 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27



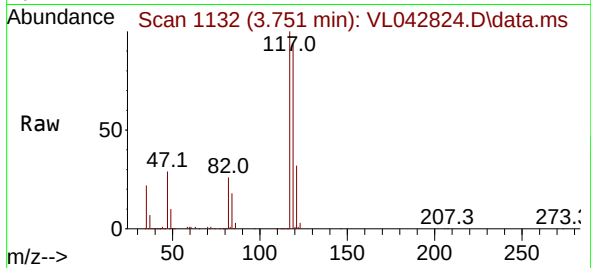
Tgt Ion: 43 Resp: 304692
Ion Ratio Lower Upper
43 100
72 21.3 17.4 26.0





#35
Carbon Tetrachloride
Concen: 10.916 ppbv
RT: 3.751 min Scan# 1134
Delta R.T. -0.007 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

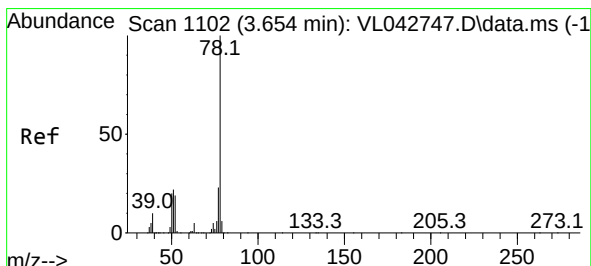
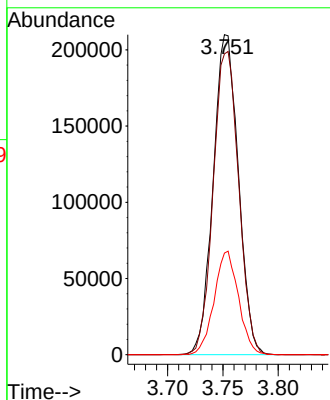
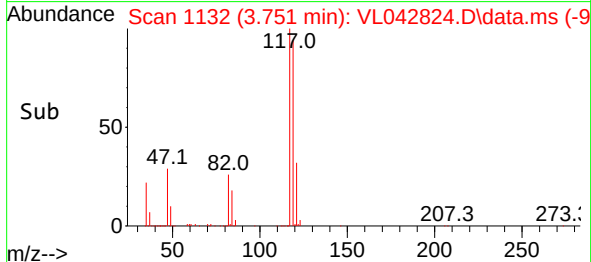
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:117 Resp: 332414
Ion Ratio Lower Upper
117 100
119 94.0 77.1 115.7
121 31.8 25.5 38.3

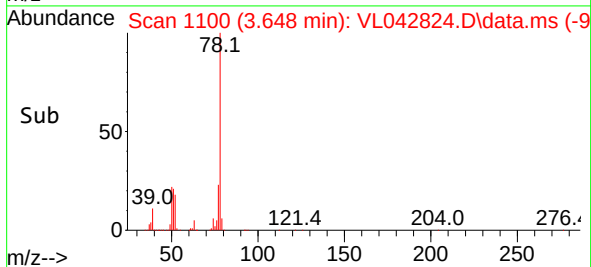
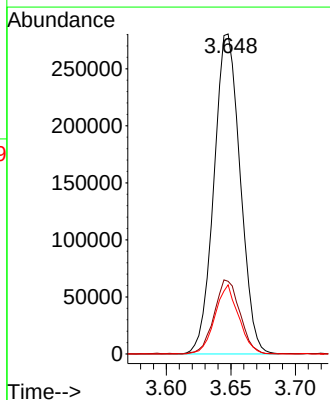
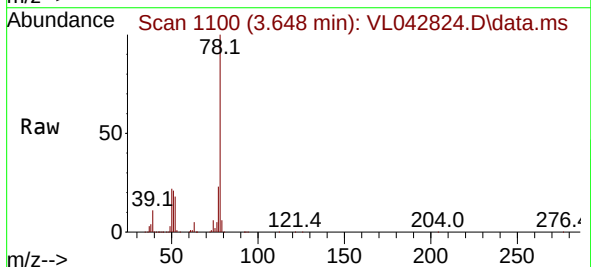
Manual Integrations
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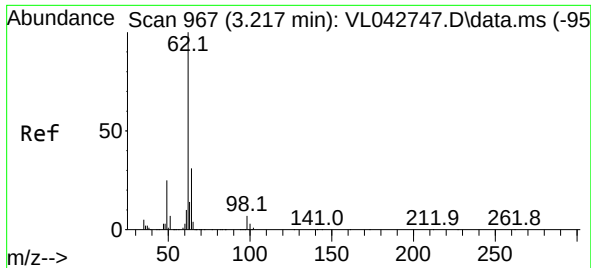
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025



#36
Benzene
Concen: 10.211 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.007 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

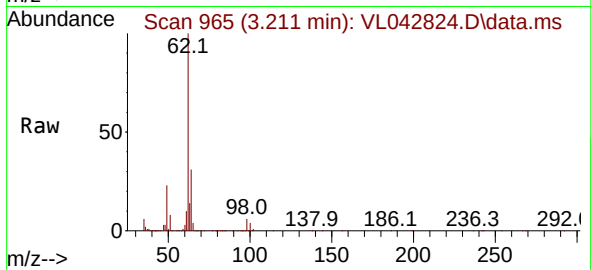
Tgt Ion: 78 Resp: 396745
Ion Ratio Lower Upper
78 100
77 22.6 18.5 27.7
50 21.5 16.2 24.2





#37
1,2-Dichloroethane
Concen: 10.552 ppbv
RT: 3.211 min Scan# 965
Delta R.T. -0.007 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

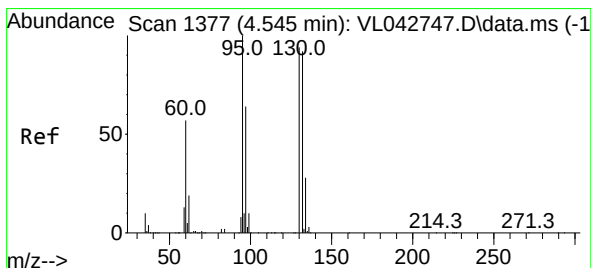
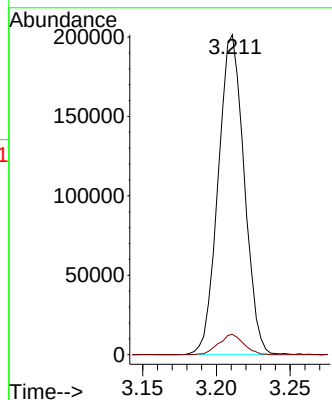
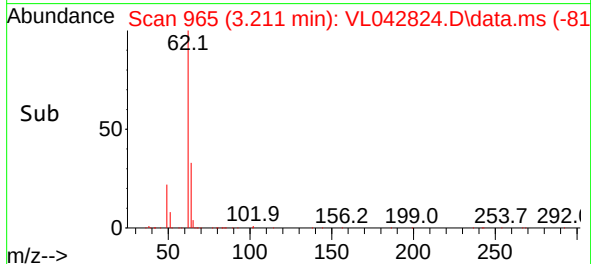
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 62 Resp: 246983
Ion Ratio Lower Upper
62 100
98 6.1 5.2 7.8

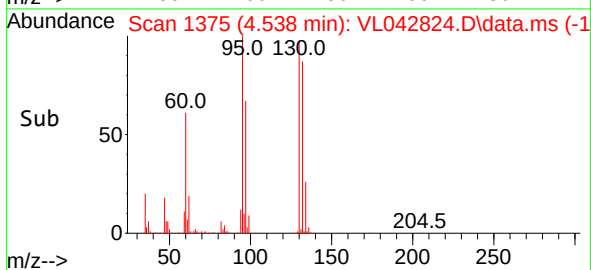
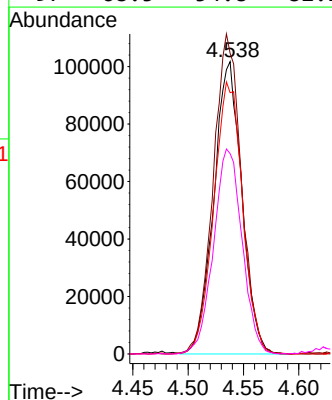
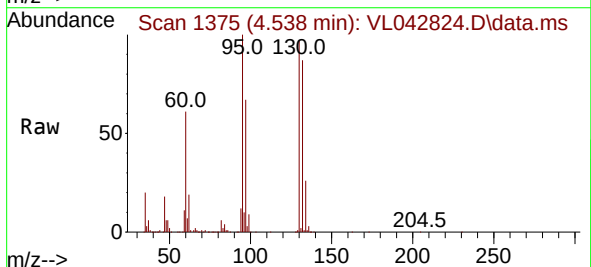
Manual Integrations
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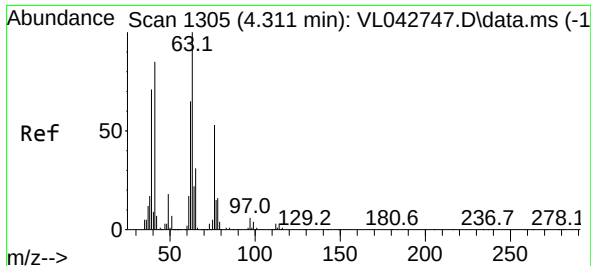
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025



#38
Trichloroethene
Concen: 9.611 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

Tgt Ion:130 Resp: 179403
Ion Ratio Lower Upper
130 100
95 102.5 85.4 128.2
132 89.2 78.2 117.2
97 68.5 54.8 82.2





#39

1,2-Dichloropropane

Concen: 10.258 ppbv

RT: 4.298 min Scan# 1301

Delta R.T. -0.013 min

Lab File: VL042824.D

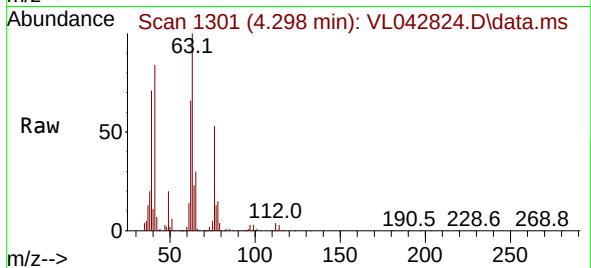
Acq: 07 Aug 2025 08:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion: 63 Resp: 147118

Ion Ratio Lower Upper

63 100

41 83.9 68.2 102.4

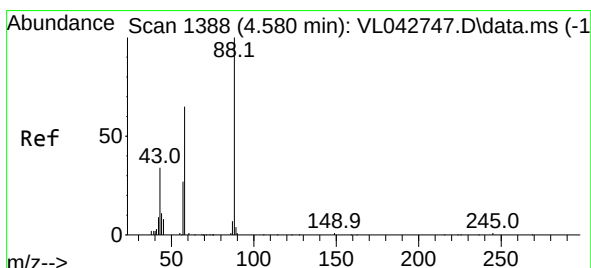
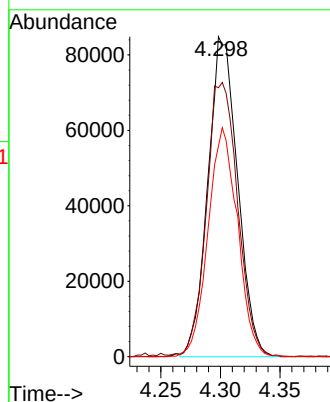
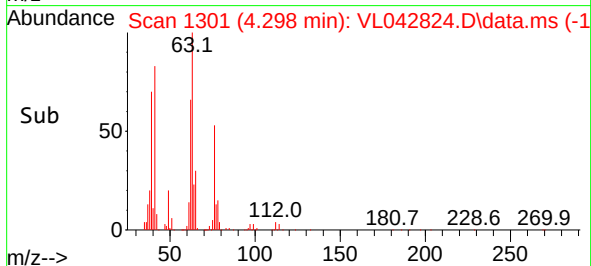
62 65.5 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2025

Supervised By :Mahesh Dadoda 08/11/2025



#40

1,4-Dioxane

Concen: 9.432 ppbv

RT: 4.564 min Scan# 1383

Delta R.T. -0.016 min

Lab File: VL042824.D

Acq: 07 Aug 2025 08:27

Tgt Ion: 88 Resp: 63053

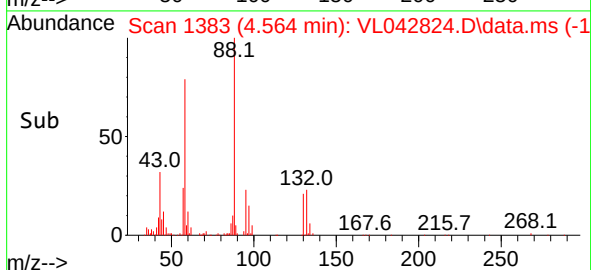
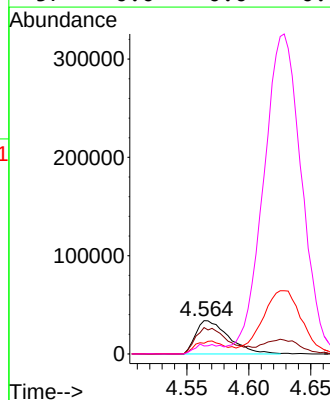
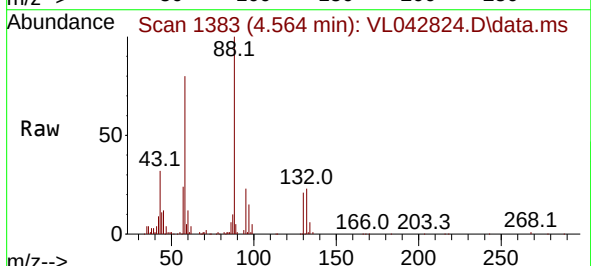
Ion Ratio Lower Upper

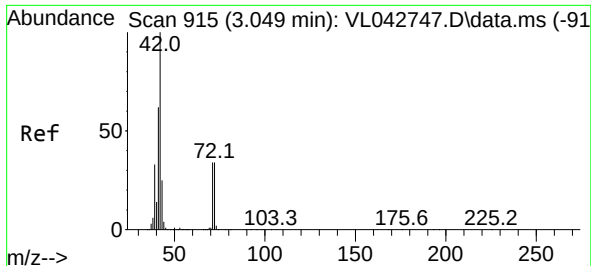
88 100

58 81.2 58.8 88.2

43 34.4 28.9 43.3

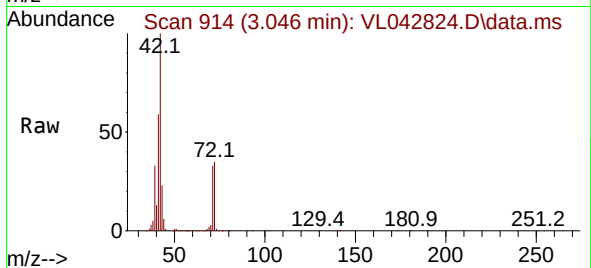
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 10.776 ppbv
RT: 3.046 min Scan# 915
Delta R.T. -0.003 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

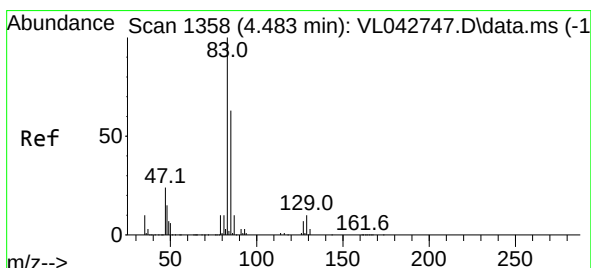
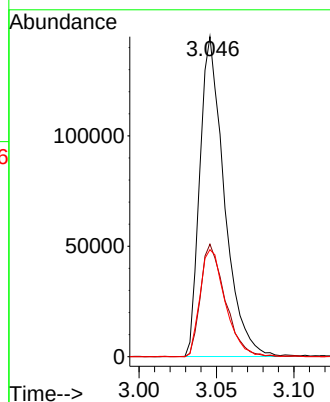
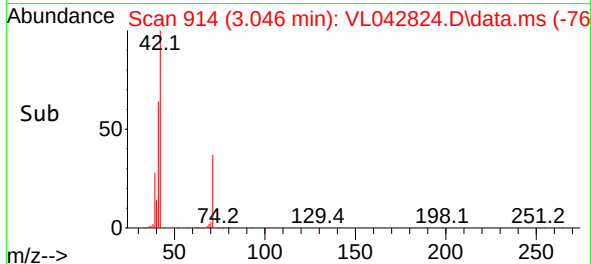
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 42 Resp: 159238
Ion Ratio Lower Upper
42 100
72 35.4 30.9 46.3
71 34.8 28.6 43.0

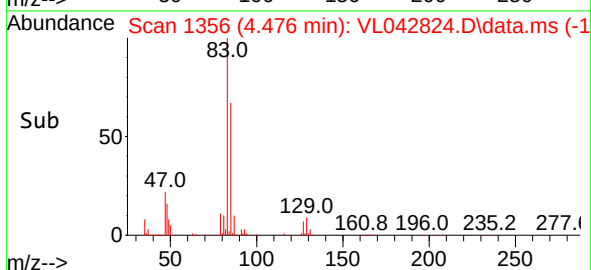
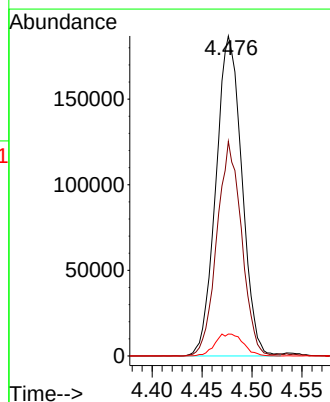
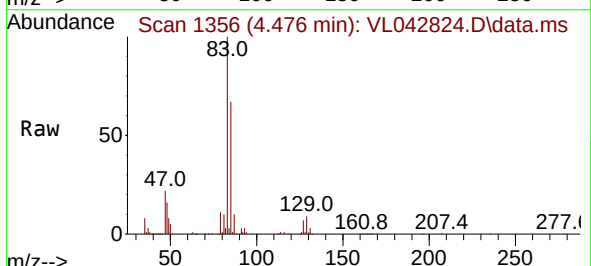
Manual Integrations
APPROVED

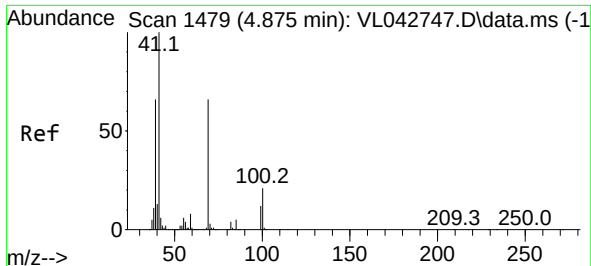
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025



#42
Bromodichloromethane
Concen: 11.096 ppbv
RT: 4.476 min Scan# 1356
Delta R.T. -0.007 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

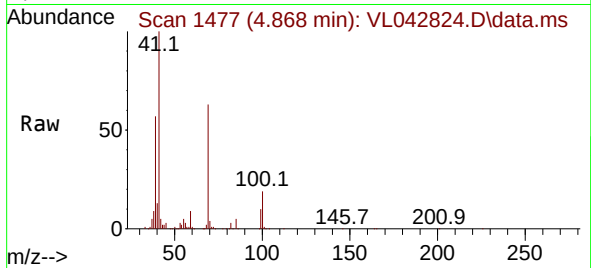
Tgt Ion: 83 Resp: 338249
Ion Ratio Lower Upper
83 100
85 67.1 50.2 75.4
127 6.9 5.4 8.2





#43
Methyl Methacrylate
Concen: 10.456 ppbv
RT: 4.868 min Scan# 1477
Delta R.T. -0.007 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

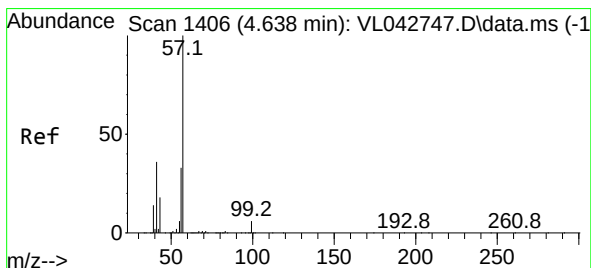
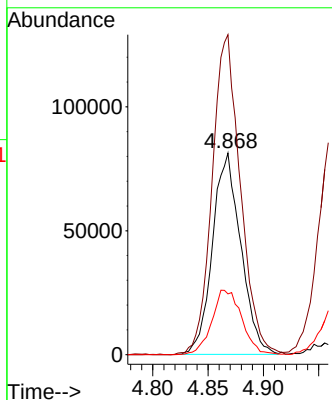
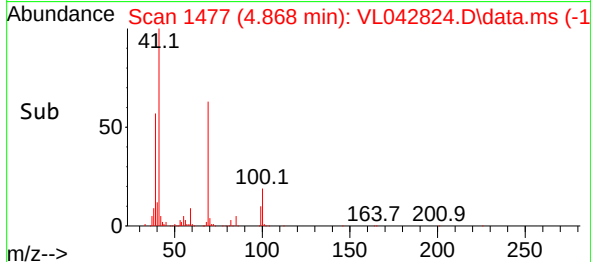
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



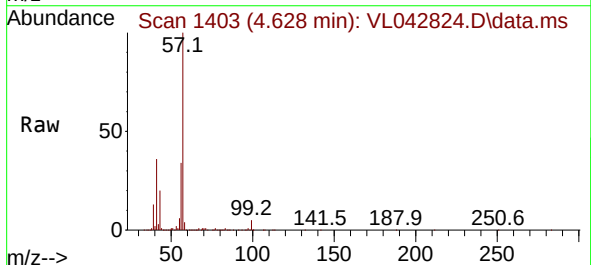
Tgt Ion: 69 Resp: 14440
Ion Ratio Lower Upper
69 100
41 158.7 125.7 188.5
100 34.1 28.6 42.8

Manual Integrations
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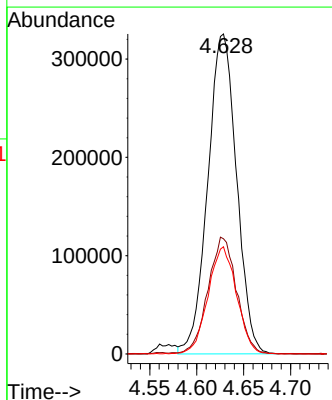
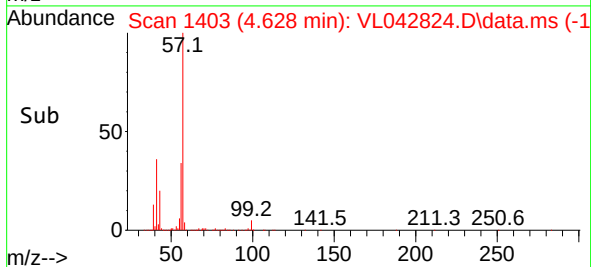
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025

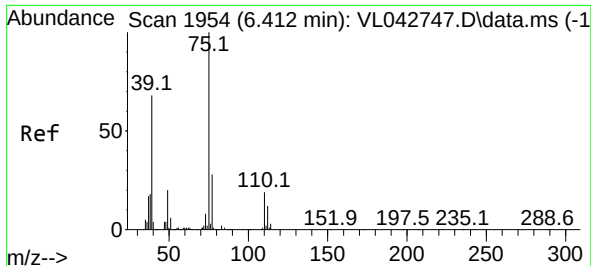


#44
2,2,4-Trimethylpentane
Concen: 10.945 ppbv
RT: 4.628 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27



Tgt Ion: 57 Resp: 693154
Ion Ratio Lower Upper
57 100
41 36.9 28.3 42.5
56 33.3 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 10.112 ppbv

RT: 6.399 min Scan# 1954

Delta R.T. -0.013 min

Lab File: VL042824.D

Acq: 07 Aug 2025 08:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 156600

Ion Ratio Lower Upper

75 100

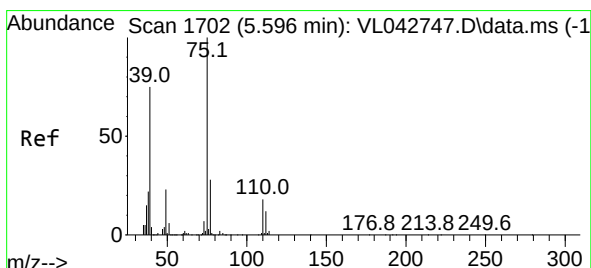
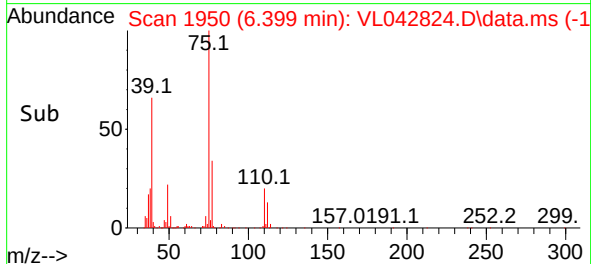
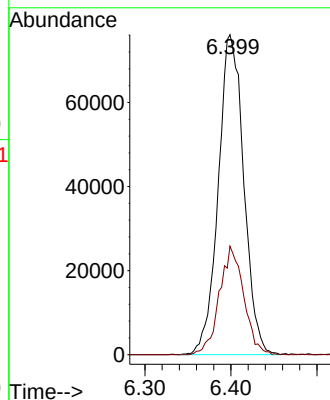
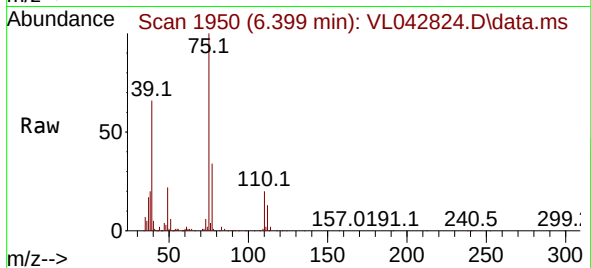
77 33.9 22.4 33.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2025

Supervised By :Mahesh Dadoda 08/11/2025



#46

cis-1,3-Dichloropropene

Concen: 10.309 ppbv

RT: 5.587 min Scan# 1699

Delta R.T. -0.010 min

Lab File: VL042824.D

Acq: 07 Aug 2025 08:27

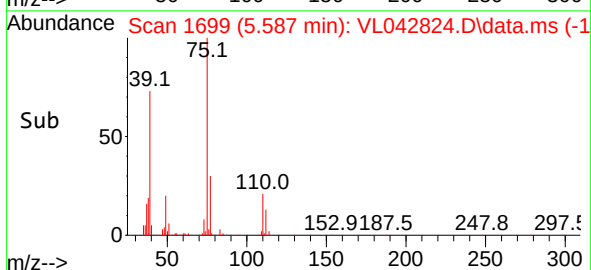
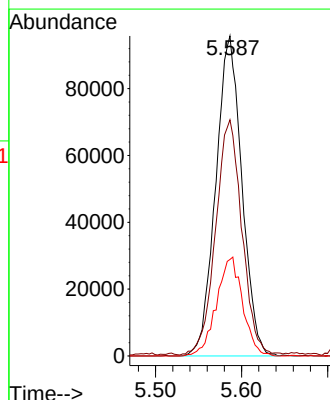
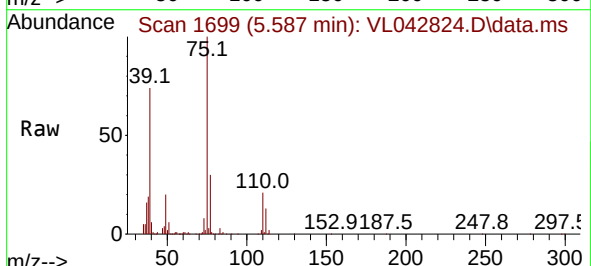
Tgt Ion: 75 Resp: 202323

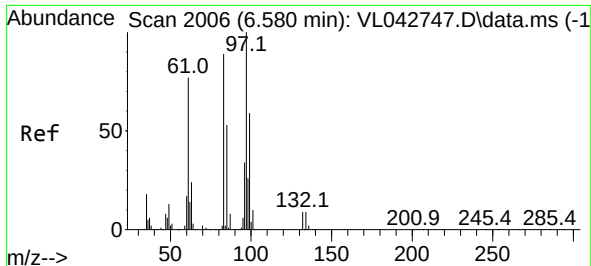
Ion Ratio Lower Upper

75 100

39 73.5 60.2 90.2

77 30.1 22.6 34.0





#47

1,1,2-Trichloroethane

Concen: 10.421 ppbv

RT: 6.567 min Scan# 2006

Delta R.T. -0.013 min

Lab File: VL042824.D

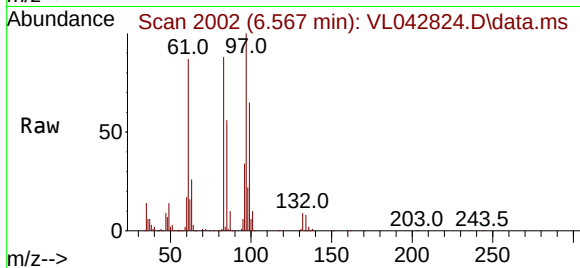
Acq: 07 Aug 2025 08:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion: 97 Resp: 159320

Ion Ratio Lower Upper

97 100

83 87.4 71.1 106.7

85 56.2 43.0 64.4

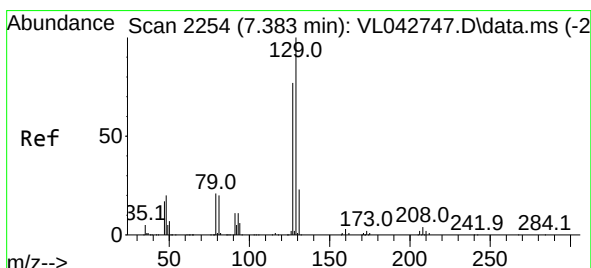
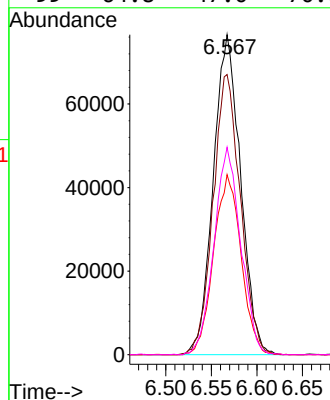
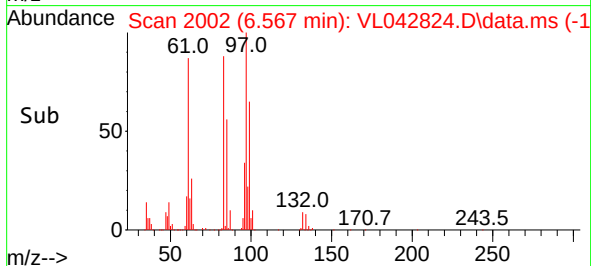
99 64.8 47.0 70.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2025

Supervised By :Mahesh Dadoda 08/11/2025



#48

Dibromochloromethane

Concen: 11.222 ppbv

RT: 7.376 min Scan# 2252

Delta R.T. -0.007 min

Lab File: VL042824.D

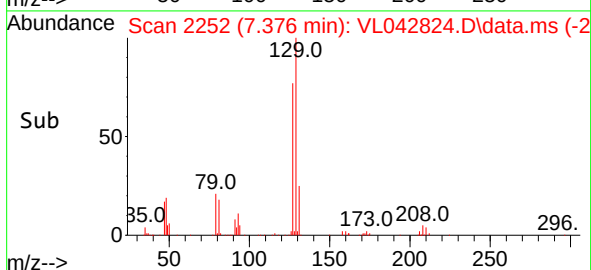
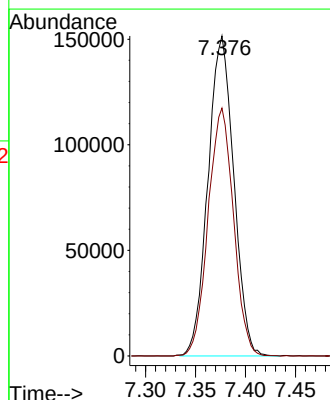
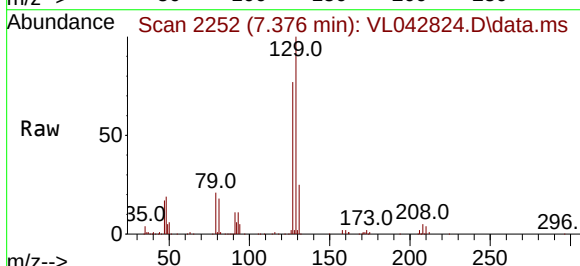
Acq: 07 Aug 2025 08:27

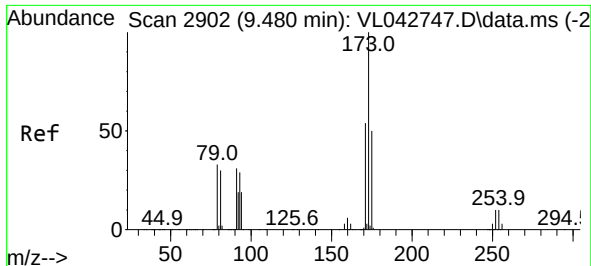
Tgt Ion:129 Resp: 272360

Ion Ratio Lower Upper

129 100

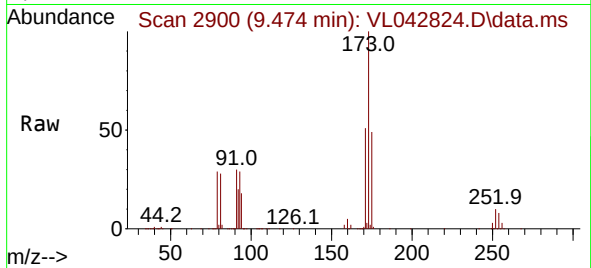
127 76.1 38.7 116.1





#49
Bromoform
Concen: 11.540 ppbv
RT: 9.474 min Scan# 2902
Delta R.T. -0.007 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

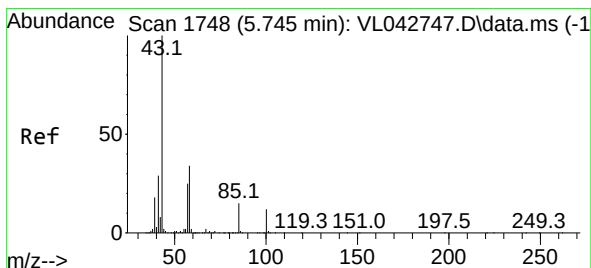
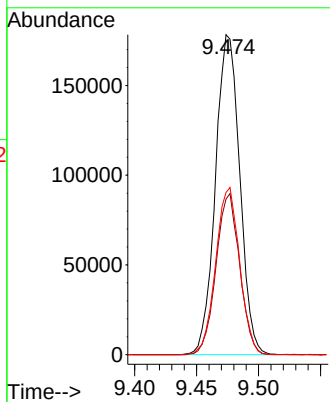
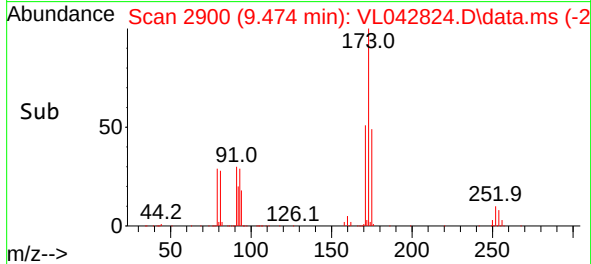
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:173 Resp: 244228
Ion Ratio Lower Upper
173 100
175 48.8 38.4 57.6
171 51.4 40.9 61.3

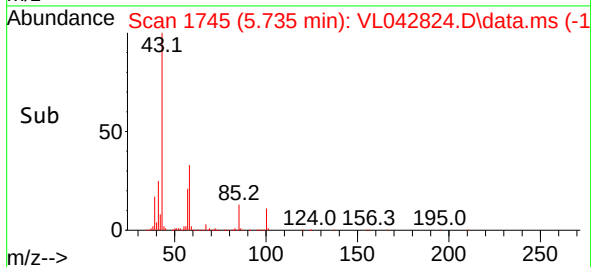
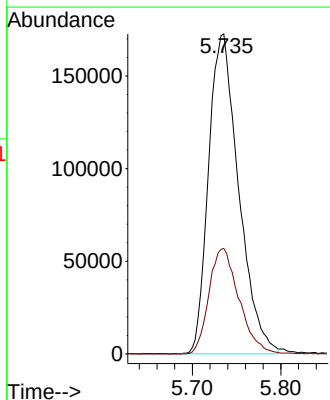
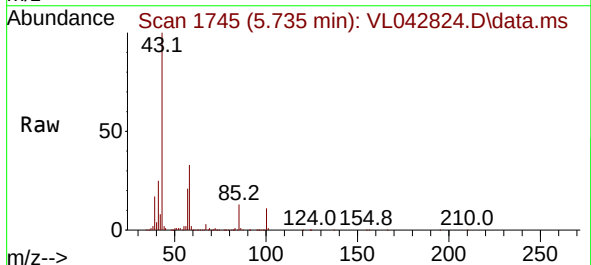
Manual Integrations
APPROVED

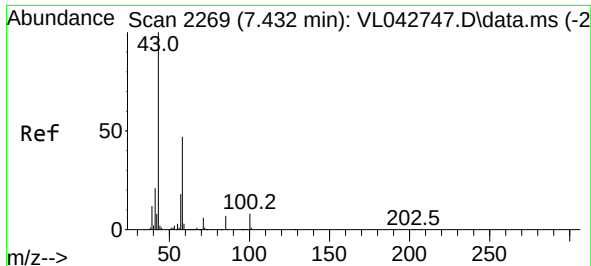
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025



#50
4-Methyl-2-Pentanone
Concen: 10.899 ppbv
RT: 5.735 min Scan# 1745
Delta R.T. -0.010 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

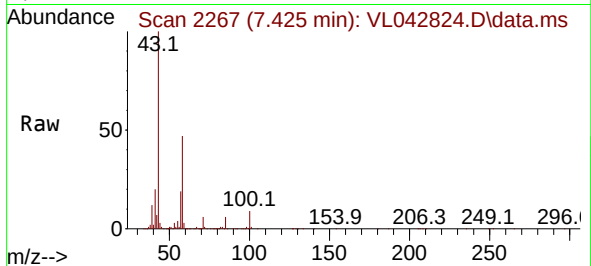
Tgt Ion: 43 Resp: 407716
Ion Ratio Lower Upper
43 100
58 33.0 27.8 41.8





#51
2-Hexanone
Concen: 11.541 ppbv
RT: 7.425 min Scan# 2111
Delta R.T. -0.007 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

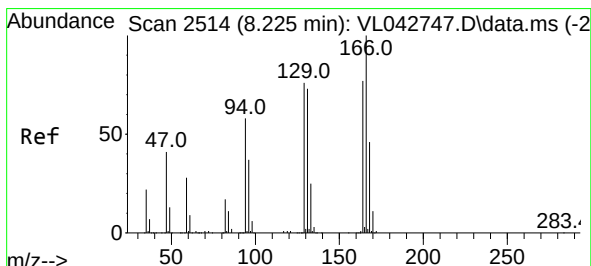
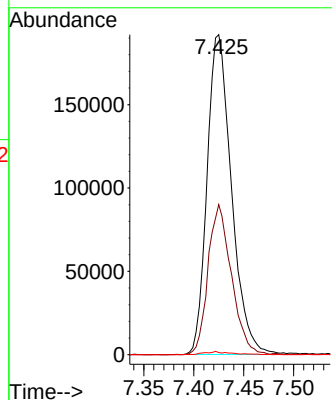
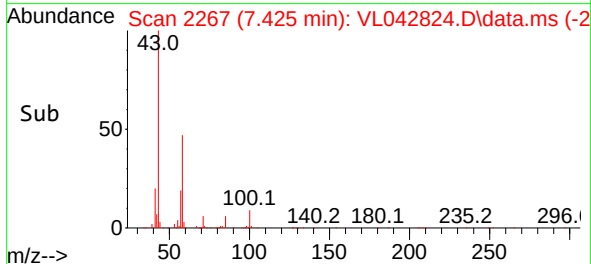
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 32625
Ion Ratio Lower Upper
43 100
58 45.0 38.0 57.0
98 1.1 0.2 0.4

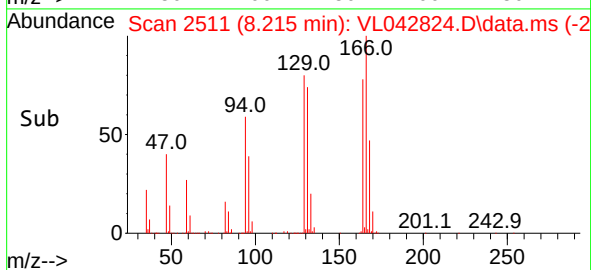
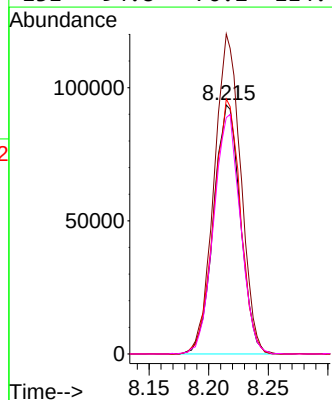
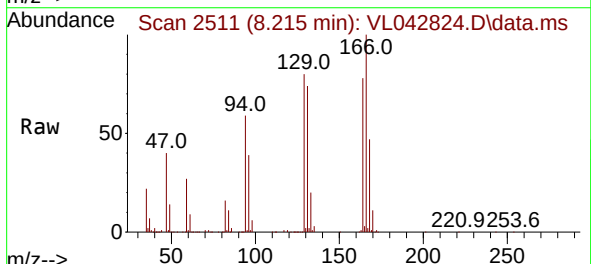
Manual Integrations
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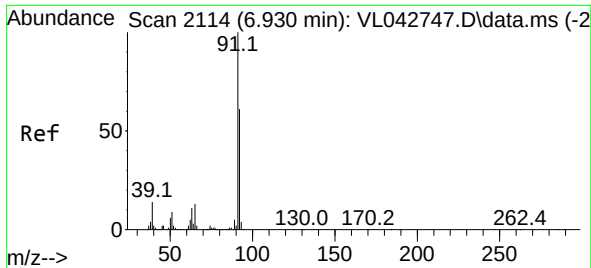
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025



#52
Tetrachloroethene
Concen: 9.052 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.010 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

Tgt Ion:164 Resp: 145788
Ion Ratio Lower Upper
164 100
166 128.5 104.0 156.0
129 102.4 79.2 118.8
131 94.8 76.2 114.4





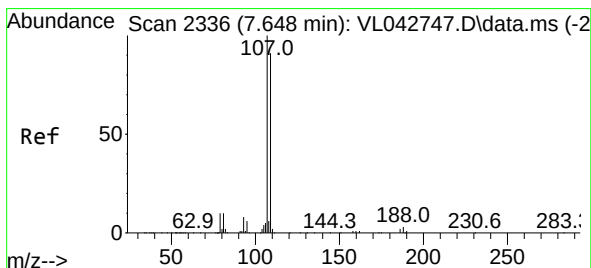
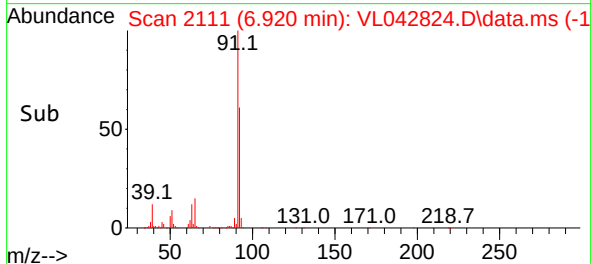
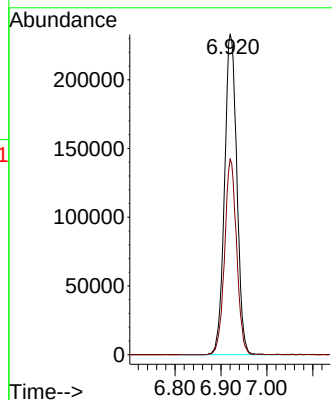
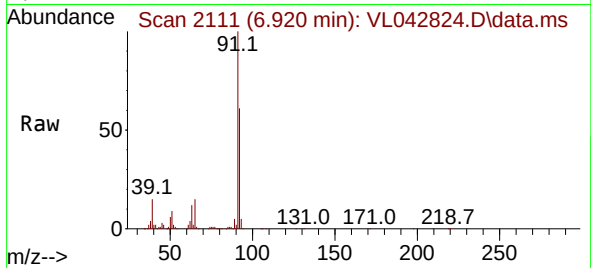
#53
Toluene
Concen: 10.373 ppbv m
RT: 6.920 min Scan# 2114
Delta R.T. -0.010 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 432808
Ion Ratio Lower Upper
91 100
92 2.4 48.0 72.0

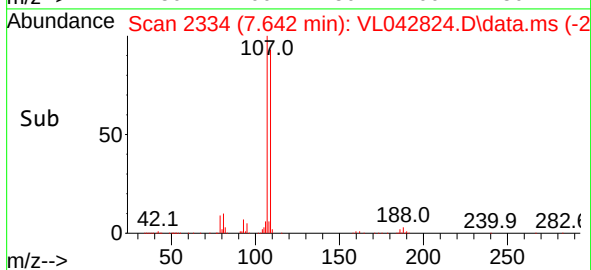
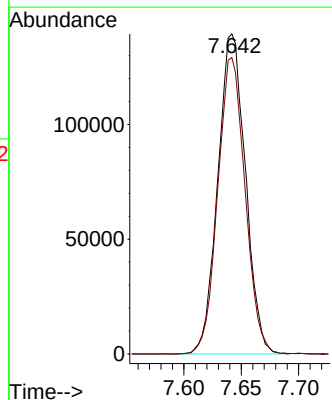
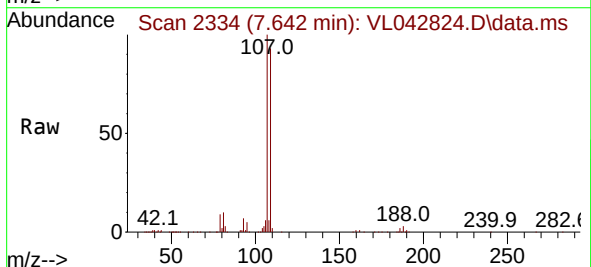
Manual Integrations
APPROVED

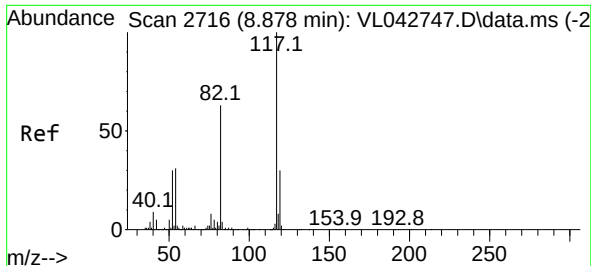
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025



#54
1,2-Dibromoethane
Concen: 10.808 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. -0.007 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

Tgt Ion:107 Resp: 233457
Ion Ratio Lower Upper
107 100
109 92.5 72.7 109.1





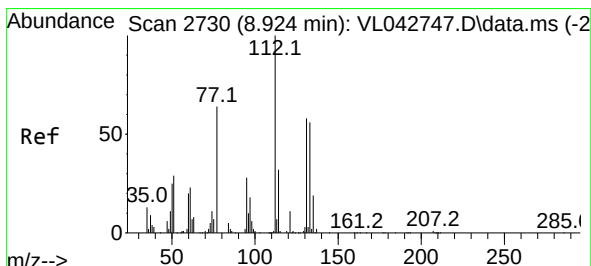
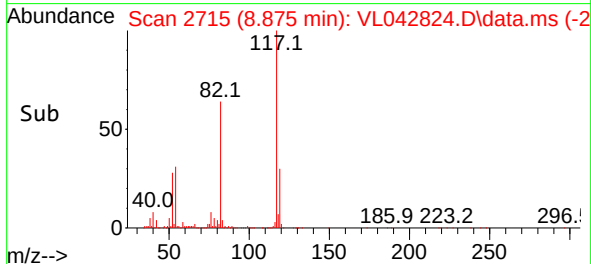
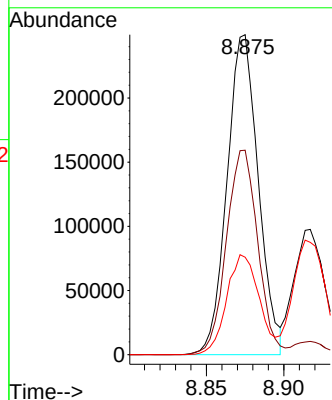
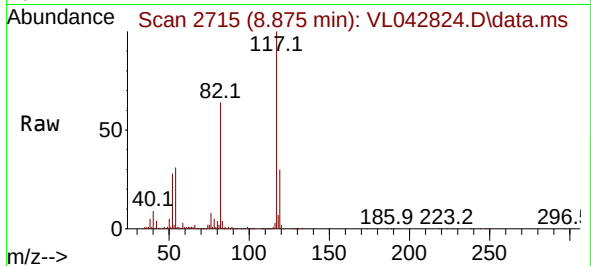
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.003 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 350615
Ion Ratio Lower Upper
117 100
82 68.3 53.3 79.9
119 33.2 25.8 38.6

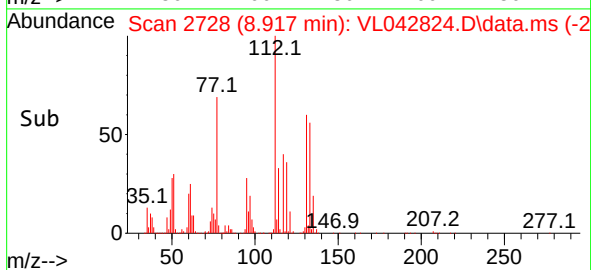
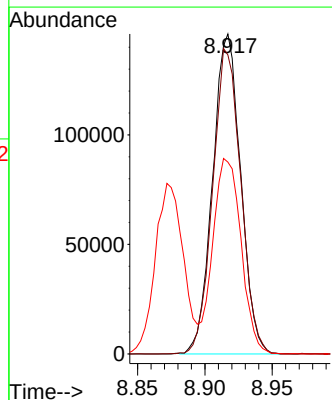
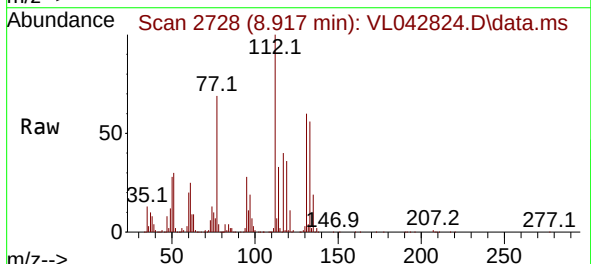
Manual Integrations
APPROVED

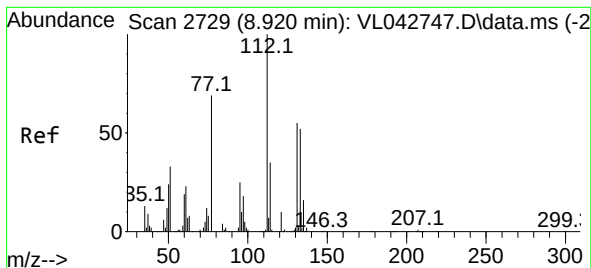
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 11.597 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. -0.007 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

Tgt Ion:131 Resp: 211408
Ion Ratio Lower Upper
131 100
133 95.7 76.8 115.2
119 60.6 49.7 74.5





#57

Chlorobenzene

Concen: 10.947 ppbv

RT: 8.914 min Scan# 21

Delta R.T. -0.007 min

Lab File: VL042824.D

Acq: 07 Aug 2025 08:27

Instrument :

MSVOA_L

ClientSampleId :

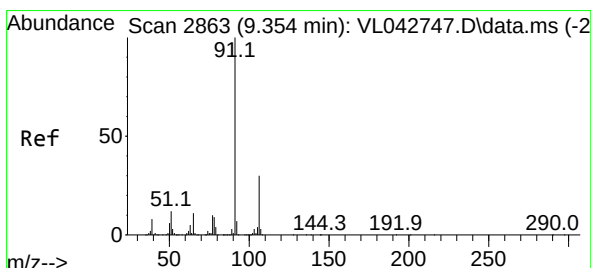
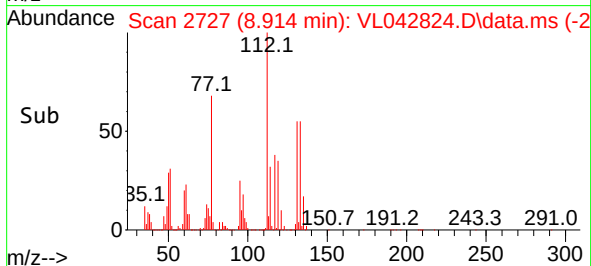
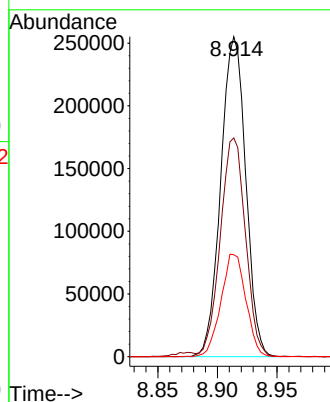
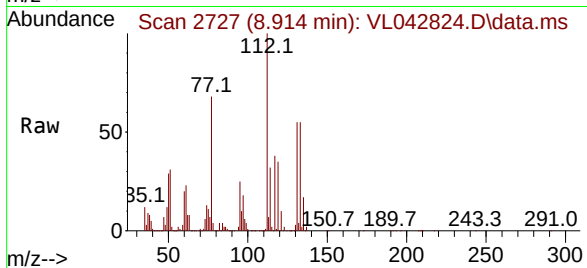
VSTDCCC010

Tgt Ion:112 Resp: 371449
 Ion Ratio Lower Upper
 112 100
 77 68.3 56.4 84.6
 114 31.8 31.2 38.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/08/2025
 Supervised By :Mahesh Dadoda 08/11/2025



#58

Ethyl Benzene

Concen: 11.123 ppbv

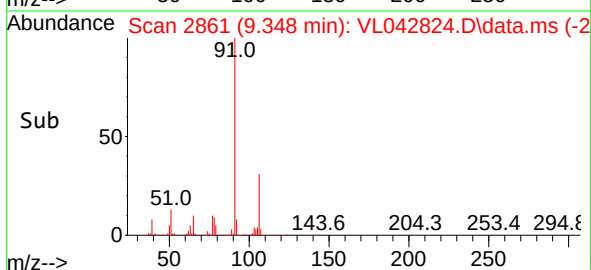
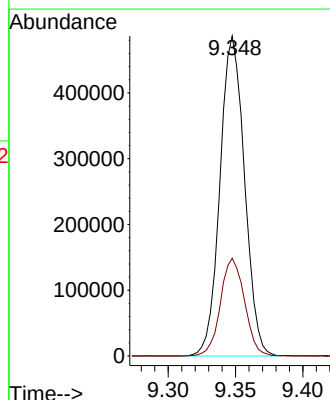
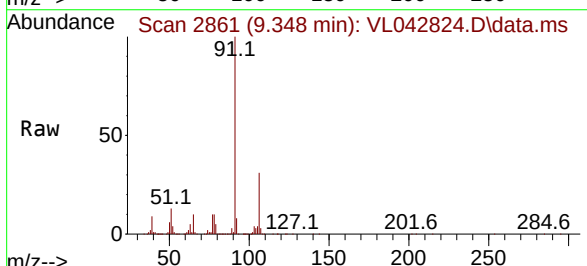
RT: 9.348 min Scan# 2861

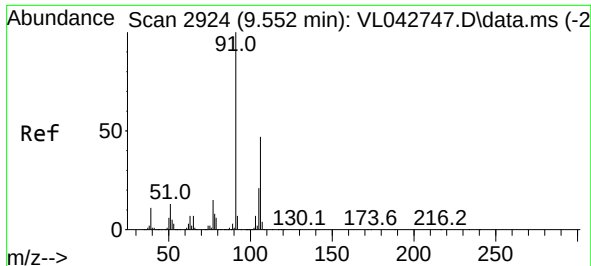
Delta R.T. -0.007 min

Lab File: VL042824.D

Acq: 07 Aug 2025 08:27

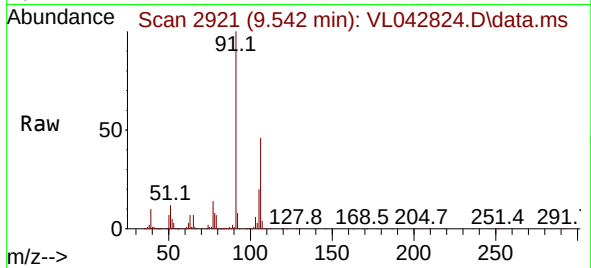
Tgt Ion: 91 Resp: 615869
 Ion Ratio Lower Upper
 91 100
 106 30.5 23.8 35.6





#59
m/p-Xylene
Concen: 23.967 ppbv m
RT: 9.542 min Scan# 2924
Delta R.T. -0.010 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

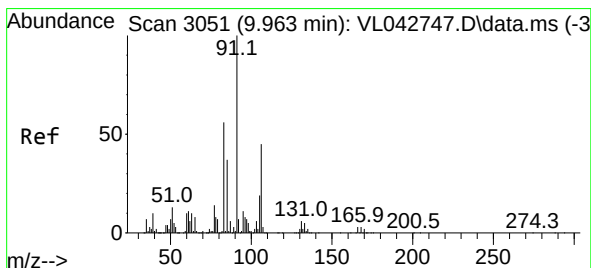
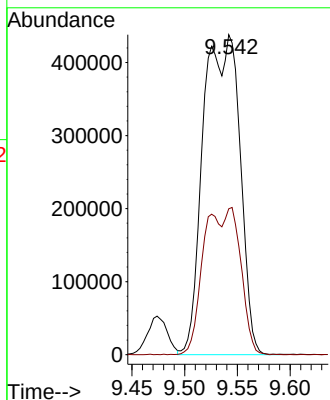
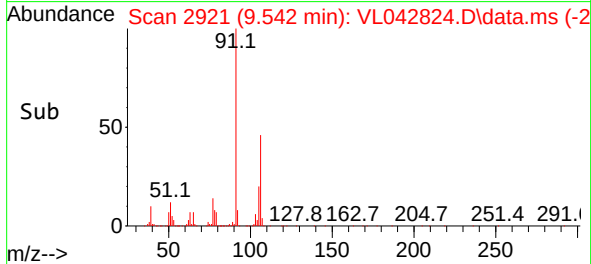
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



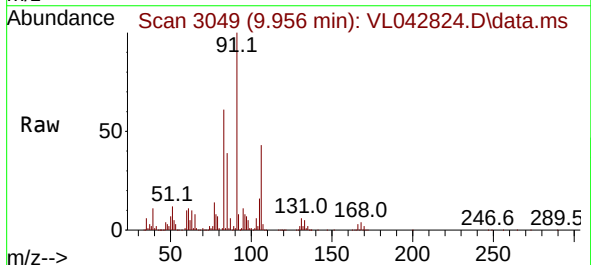
Tgt Ion: 91 Resp: 1060554
Ion Ratio Lower Upper
91 100
106 46.2 37.4 56.2

Manual Integrations
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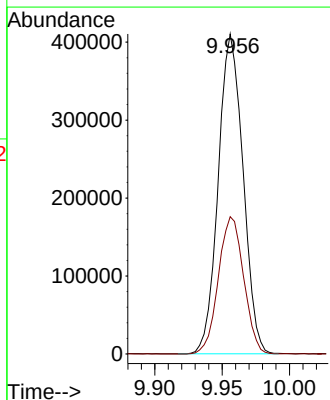
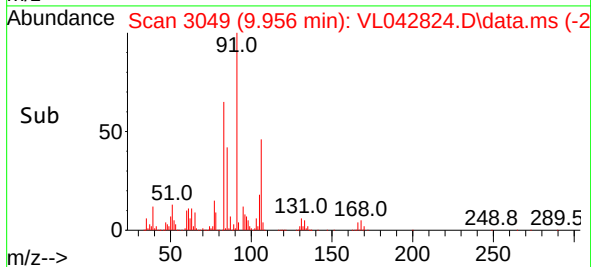
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025

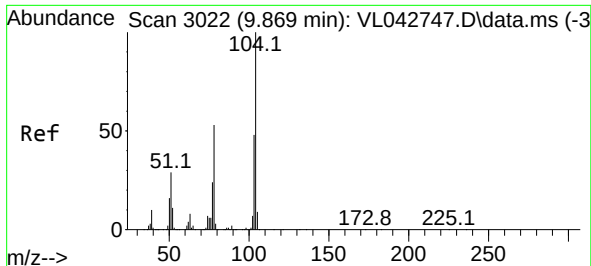


#60
o-Xylene
Concen: 11.865 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.007 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27



Tgt Ion: 91 Resp: 524632
Ion Ratio Lower Upper
91 100
106 43.8 22.0 66.0





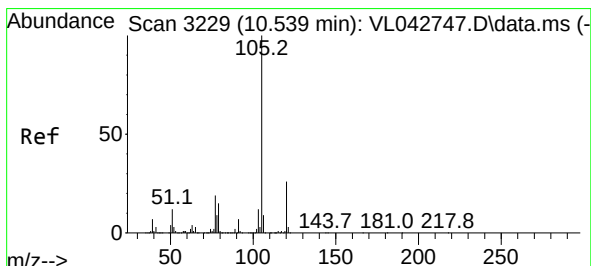
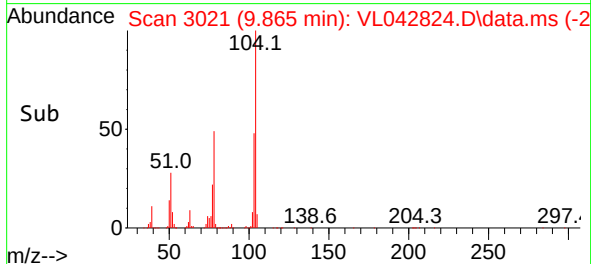
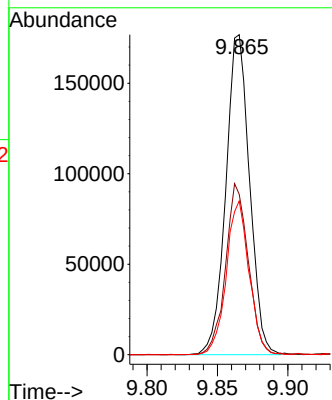
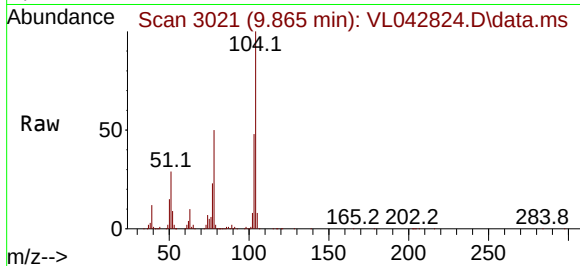
#61
Styrene
Concen: 11.168 ppbv
RT: 9.865 min Scan# 3022
Delta R.T. -0.003 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 207723
Ion Ratio Lower Upper
104 100
78 51.4 41.5 62.3
103 46.5 37.5 56.3

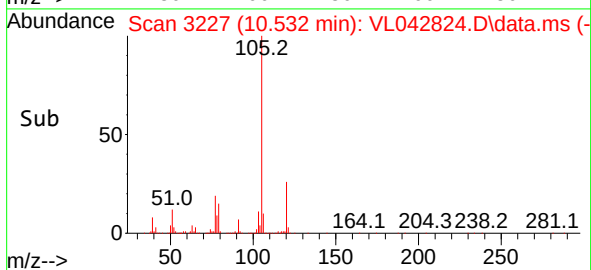
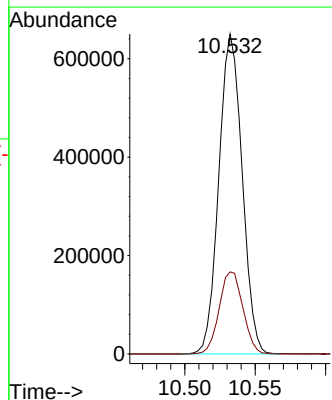
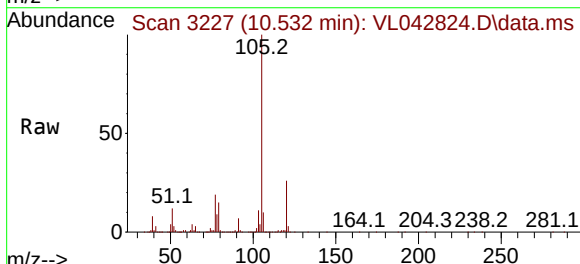
Manual Integrations
APPROVED

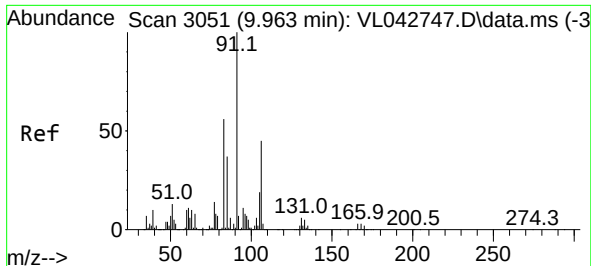
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025



#62
Isopropylbenzene
Concen: 11.512 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.007 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

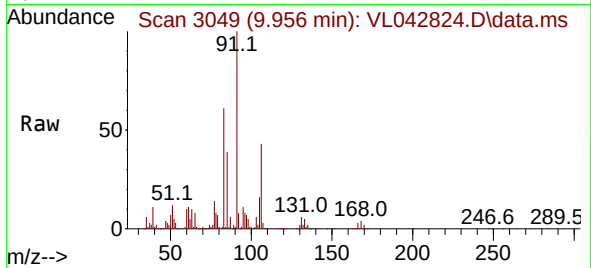
Tgt Ion:105 Resp: 750824
Ion Ratio Lower Upper
105 100
120 26.1 20.5 30.7





#63
1,1,2,2-Tetrachloroethane
Concen: 11.235 ppbv
RT: 9.956 min Scan# 3051
Delta R.T. -0.007 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

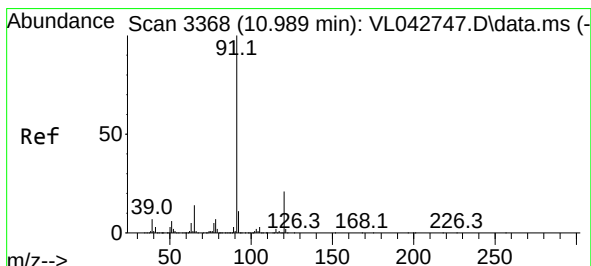
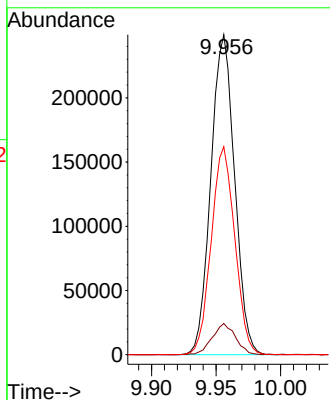
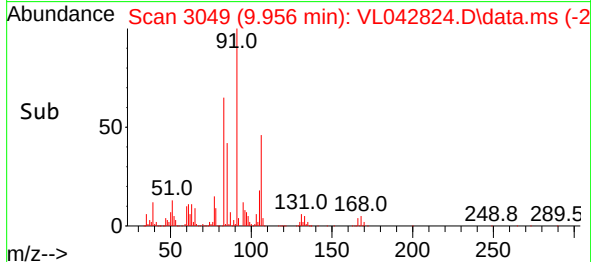
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



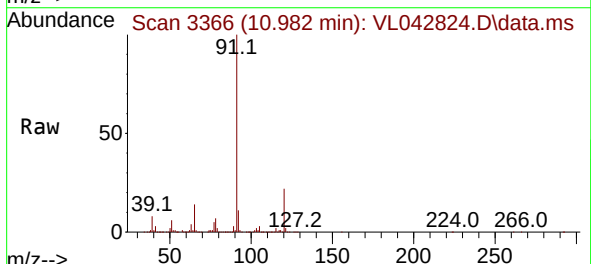
Tgt Ion: 83 Resp: 318920
Ion Ratio Lower Upper
83 100
131 9.6 5.0 15.0
85 64.7 32.6 97.7

Manual Integrations
APPROVED

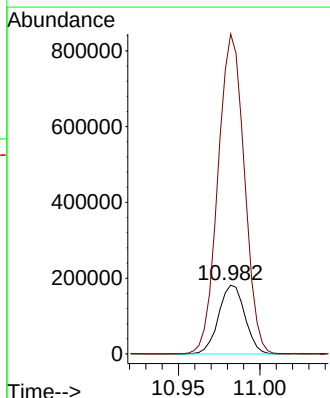
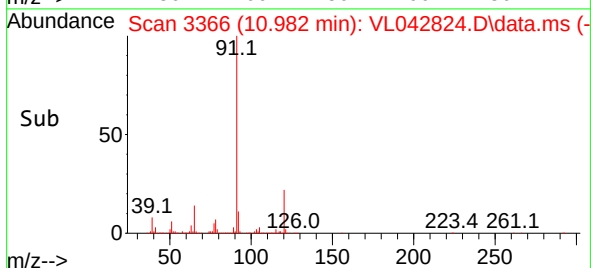
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025

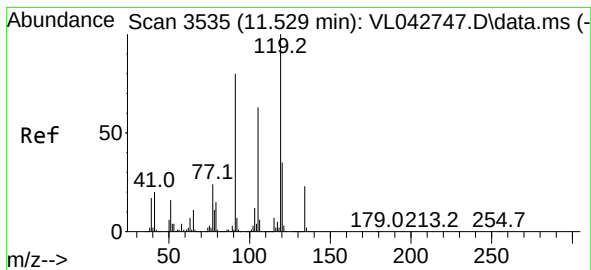


#64
n-propylbenzene
Concen: 11.948 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. -0.007 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27



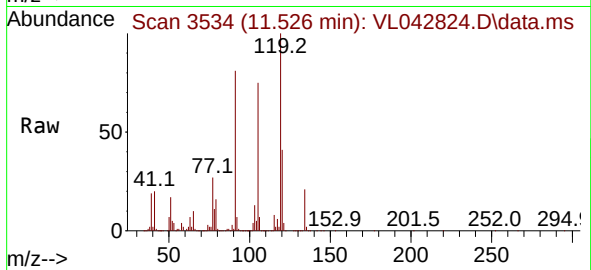
Tgt Ion:120 Resp: 203161
Ion Ratio Lower Upper
120 100
91 468.9 372.7 559.1





#65
tert-Butylbenzene
Concen: 11.829 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.003 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

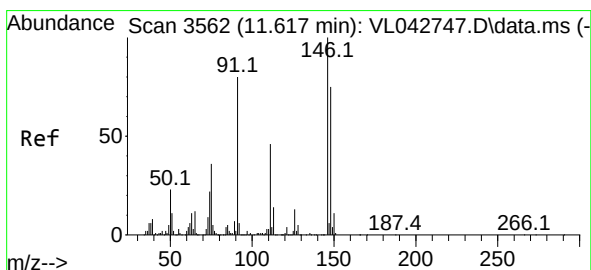
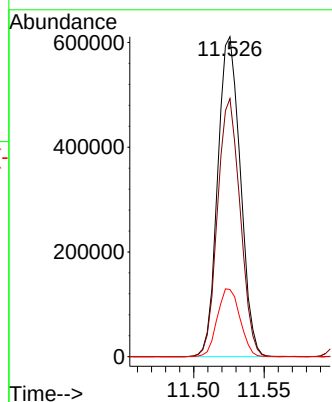
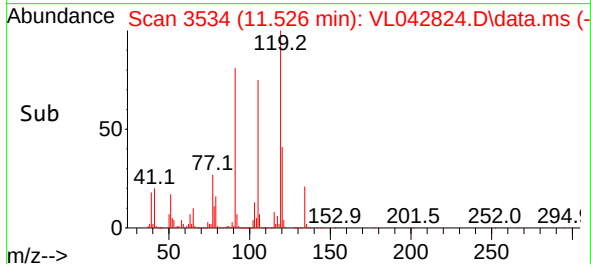
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



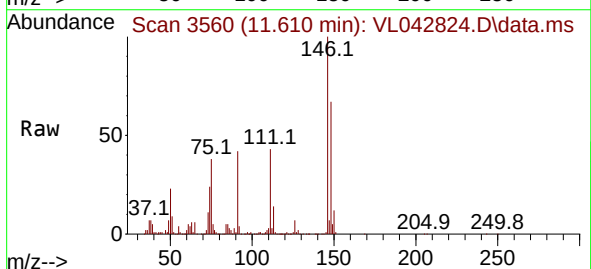
Tgt Ion: 119 Resp: 68528
Ion Ratio Lower Upper
119 100
91 80.5 64.0 96.0
134 21.3 17.3 25.9

Manual Integrations
APPROVED

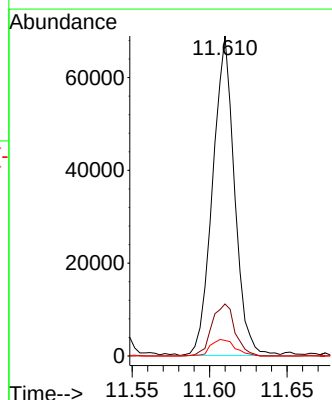
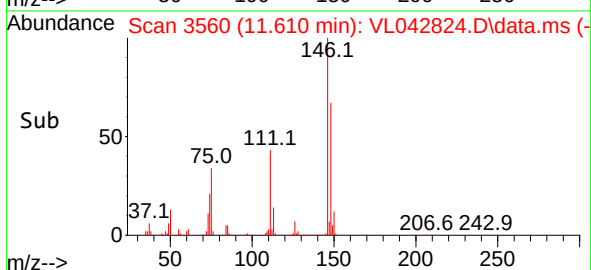
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025

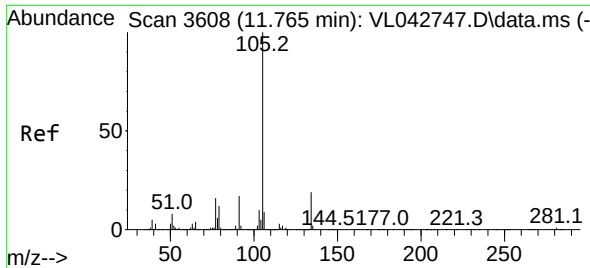


#66
Benzyl Chloride
Concen: 14.199 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.007 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27



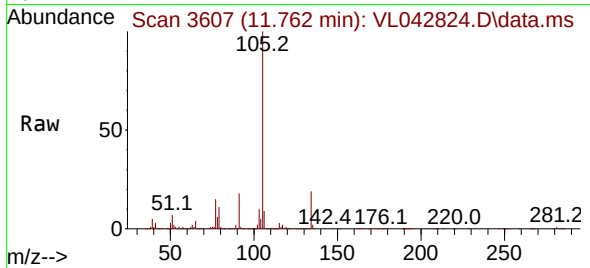
Tgt Ion: 91 Resp: 67529
Ion Ratio Lower Upper
91 100
126 17.1 14.4 21.6
128 5.8 5.2 7.8





#67
 sec-Butylbenzene
 Concen: 11.692 ppbv
 RT: 11.762 min Scan# 3608
 Delta R.T. -0.003 min
 Lab File: VL042824.D
 Acq: 07 Aug 2025 08:27

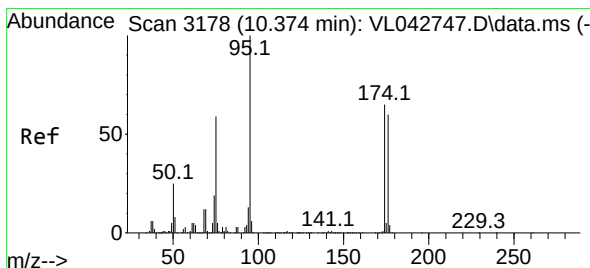
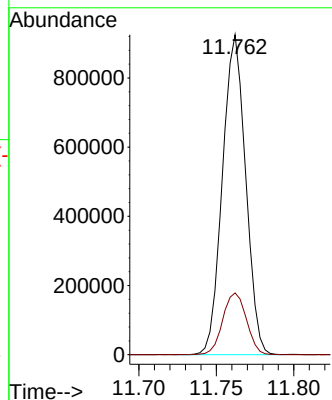
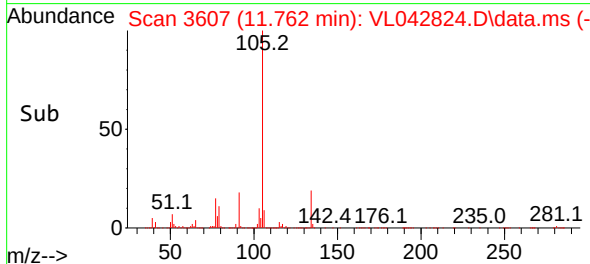
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



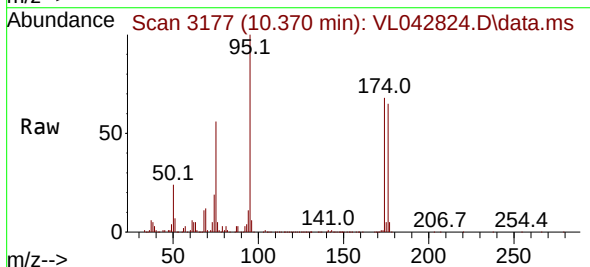
Tgt Ion:105 Resp: 96341
 Ion Ratio Lower Upper
 105 100
 134 19.7 15.5 23.3

Manual Integrations
 APPROVED

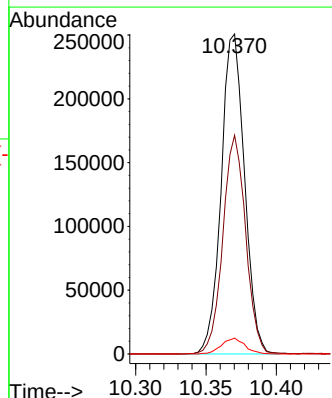
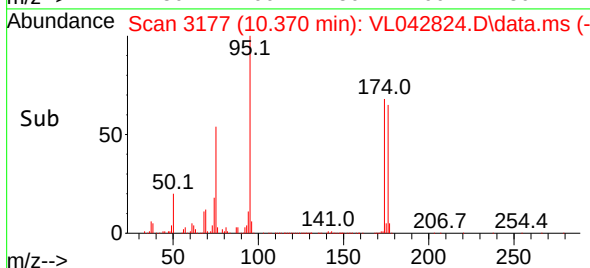
Reviewed By :Semsettin Yesilyurt 08/08/2025
 Supervised By :Mahesh Dadoda 08/11/2025

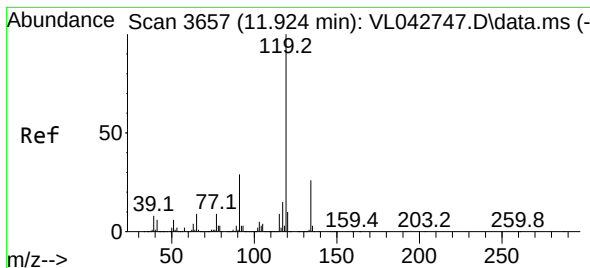


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.433 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. -0.003 min
 Lab File: VL042824.D
 Acq: 07 Aug 2025 08:27



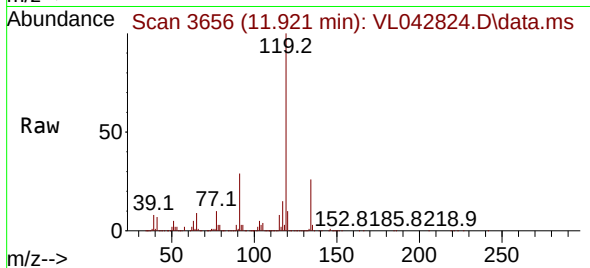
Tgt Ion: 95 Resp: 289682
 Ion Ratio Lower Upper
 95 100
 174 66.9 53.8 80.6
 175 5.0 4.0 6.0





#69
p-Isopropyltoluene
Concen: 12.243 ppbv
RT: 11.921 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

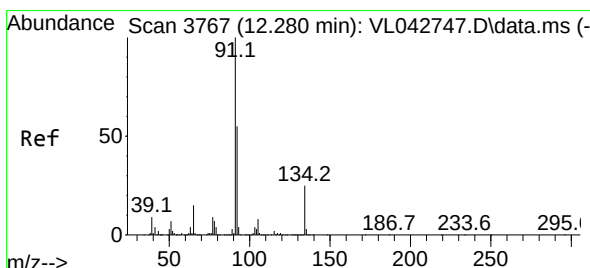
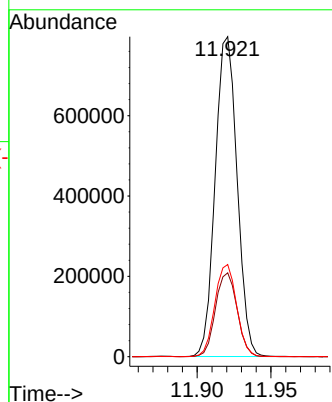
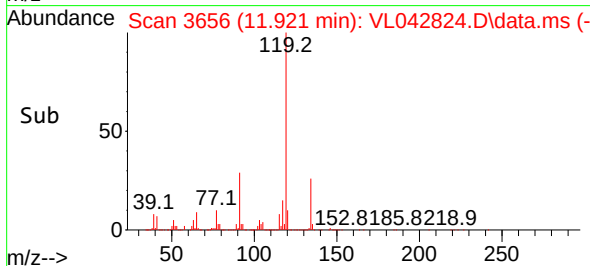
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



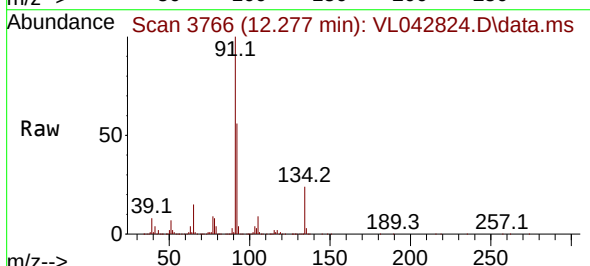
Tgt Ion: 119 Resp: 822590
Ion Ratio Lower Upper
119 100
134 26.0 20.6 31.0
91 28.8 23.2 34.8

Manual Integrations
APPROVED

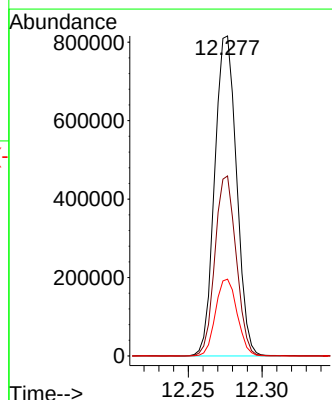
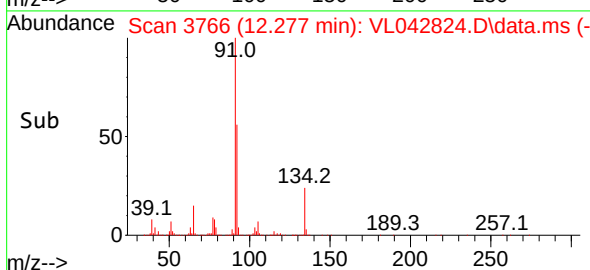
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025

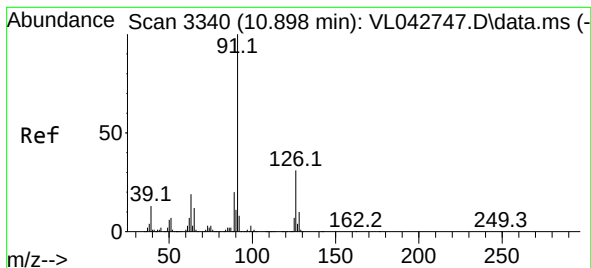


#70
n-Butylbenzene
Concen: 12.960 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27



Tgt Ion: 91 Resp: 841132
Ion Ratio Lower Upper
91 100
92 54.8 43.4 65.2
134 23.7 19.6 29.4





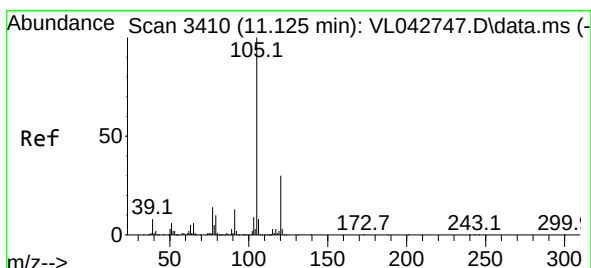
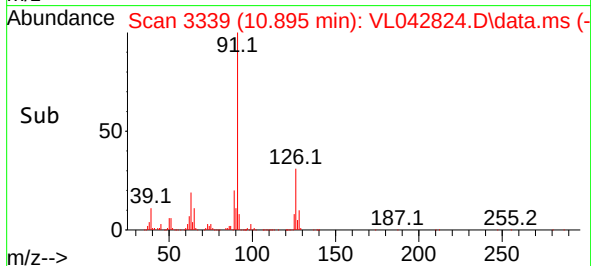
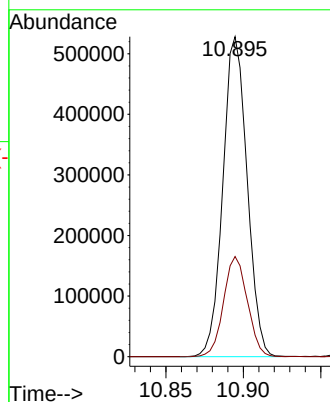
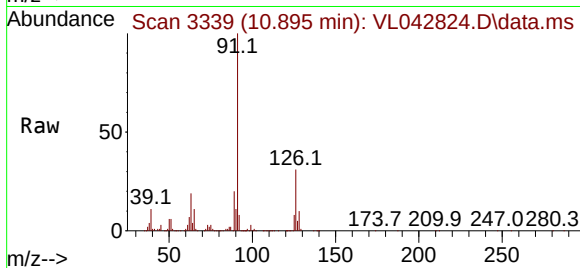
#71
2-Chlorotoluene
Concen: 11.510 ppbv
RT: 10.895 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 575639
Ion Ratio Lower Upper
91 100
126 30.7 12.0 48.2

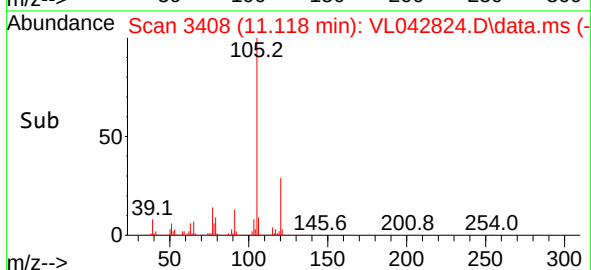
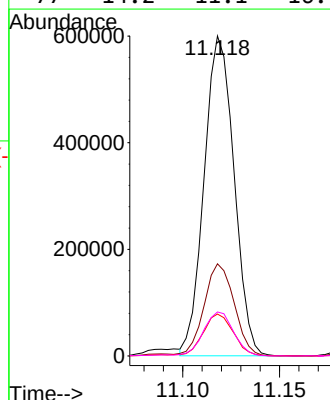
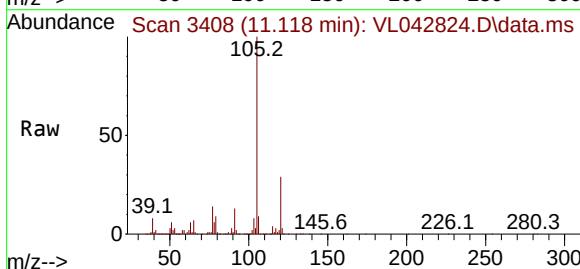
Manual Integrations
APPROVED

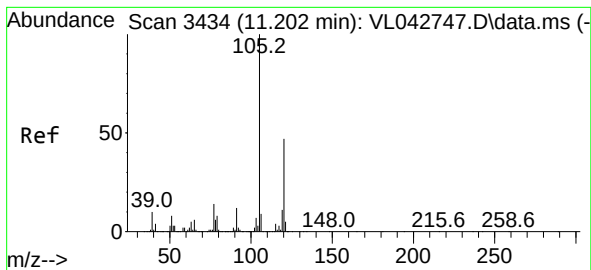
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025



#72
4-Ethyltoluene
Concen: 12.202 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. -0.007 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

Tgt Ion:105 Resp: 644350
Ion Ratio Lower Upper
105 100
120 29.6 24.4 36.6
91 13.7 10.6 15.8
77 14.2 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 12.462 ppbv

RT: 11.199 min Scan# 3434

Delta R.T. -0.003 min

Lab File: VL042824.D

Acq: 07 Aug 2025 08:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 541834

Ion Ratio Lower Upper

105 100

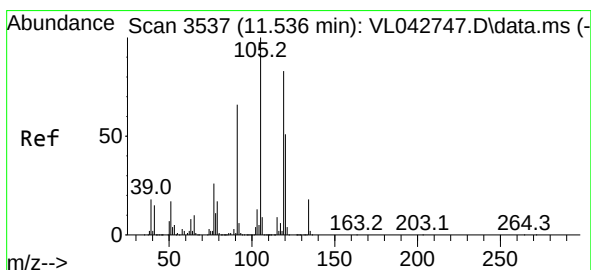
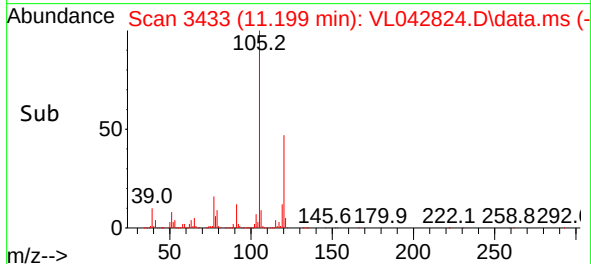
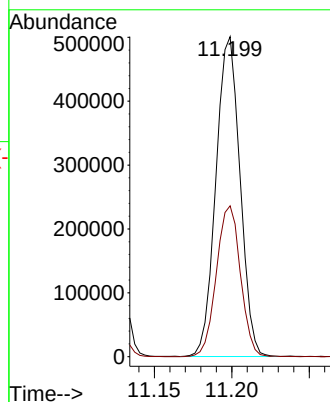
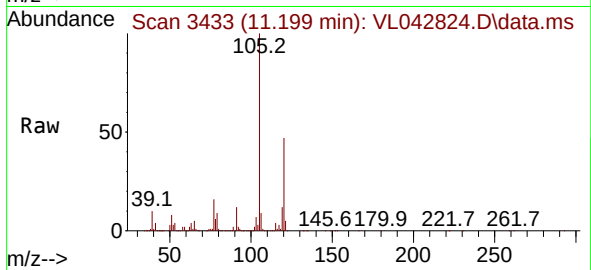
120 47.2 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2025

Supervised By :Mahesh Dadoda 08/11/2025



#74

1,2,4-Trimethylbenzene

Concen: 12.834 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL042824.D

Acq: 07 Aug 2025 08:27

Tgt Ion:105 Resp: 608776

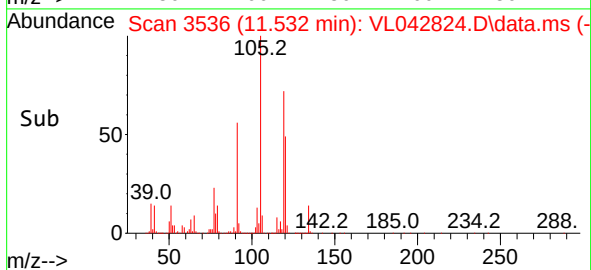
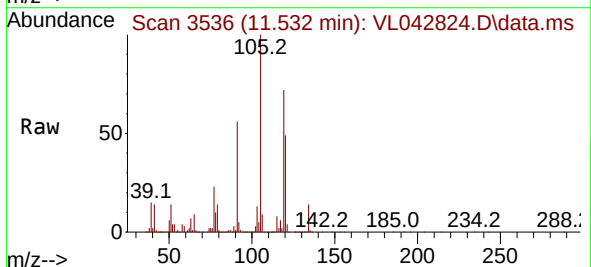
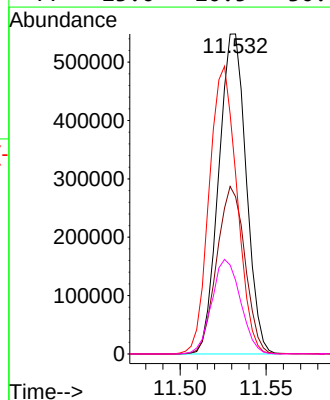
Ion Ratio Lower Upper

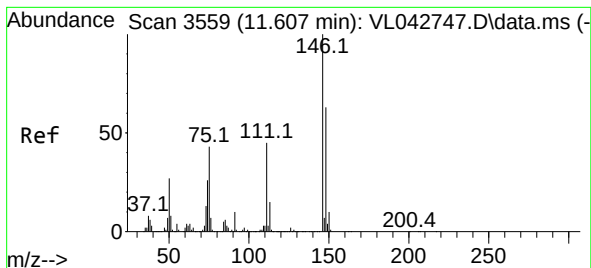
105 100

120 49.1 40.8 61.2

91 56.3 53.0 79.4

77 23.0 20.5 30.7





#75

1,3-Dichlorobenzene

Concen: 11.624 ppbv

RT: 11.600 min Scan# 3559

Delta R.T. -0.007 min

Lab File: VL042824.D

Acq: 07 Aug 2025 08:27

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 386529

Ion Ratio Lower Upper

146 100

111 45.1 22.7 68.0

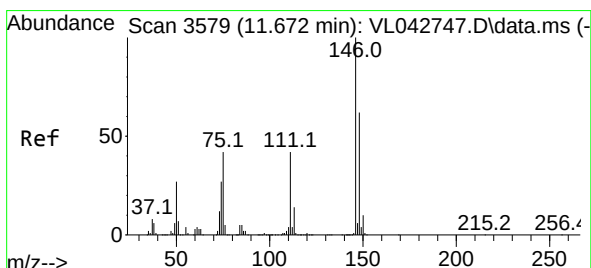
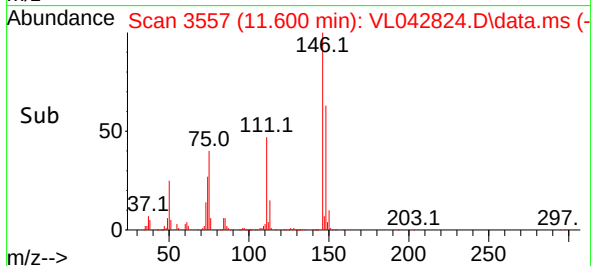
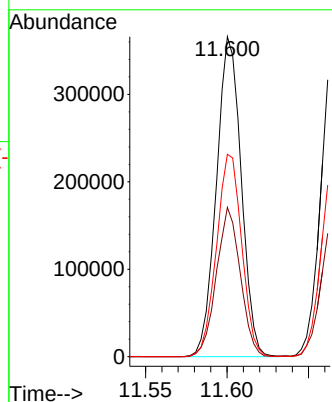
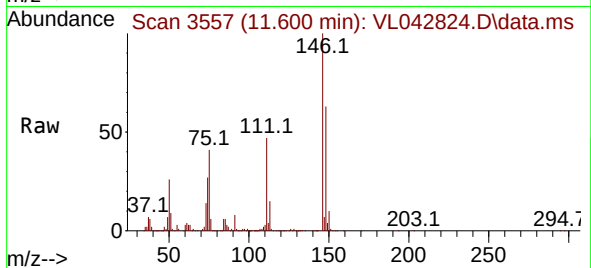
148 64.4 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2025

Supervised By :Mahesh Dadoda 08/11/2025



#76

1,4-Dichlorobenzene

Concen: 12.030 ppbv

RT: 11.665 min Scan# 3577

Delta R.T. -0.007 min

Lab File: VL042824.D

Acq: 07 Aug 2025 08:27

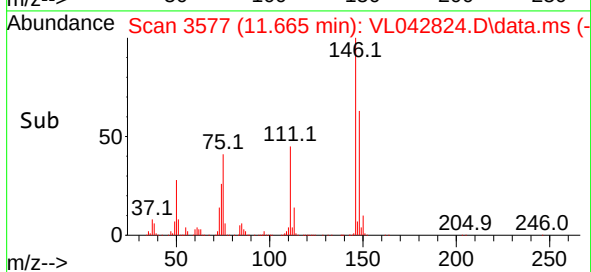
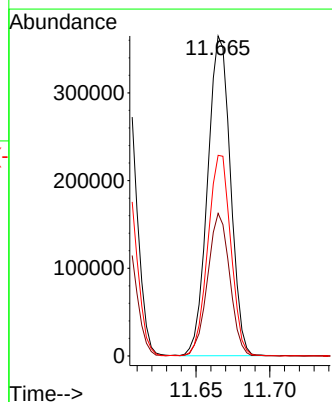
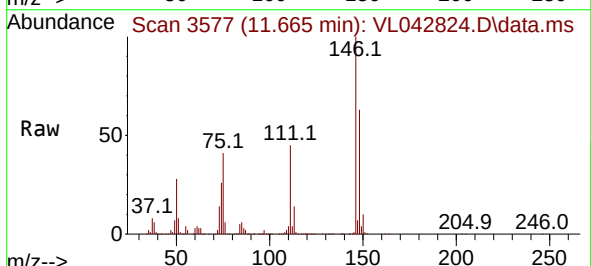
Tgt Ion:146 Resp: 391456

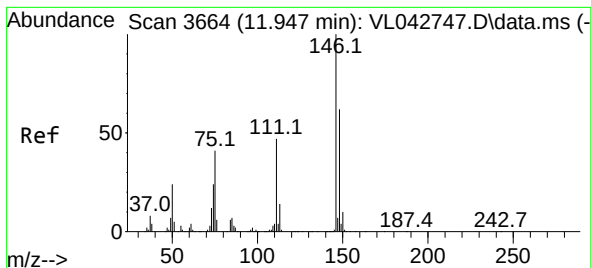
Ion Ratio Lower Upper

146 100

111 43.3 21.4 64.2

148 63.3 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 11.653 ppbv

RT: 11.940 min Scan# 30

Delta R.T. -0.007 min

Lab File: VL042824.D

Acq: 07 Aug 2025 08:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

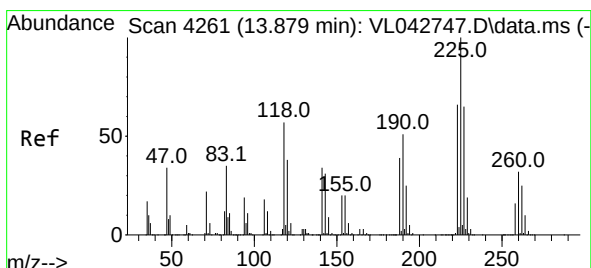
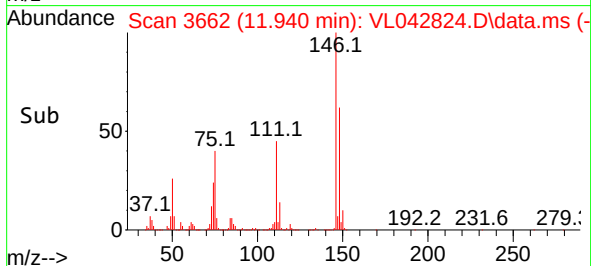
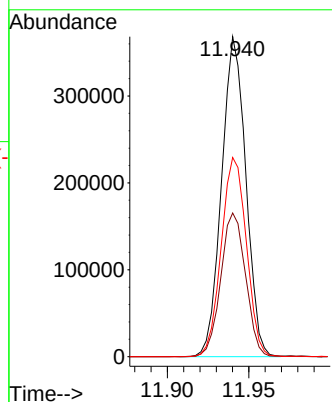
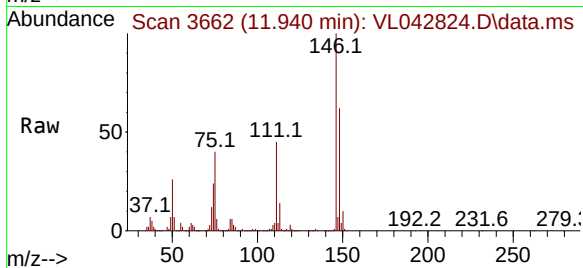
Tgt Ion:146 Resp: 380829

Ion	Ratio	Lower	Upper
146	100		
111	45.9	23.7	71.1
148	64.6	32.6	97.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025



#78

Hexachloro-1,3-Butadiene

Concen: 10.231 ppbv

RT: 13.876 min Scan# 4260

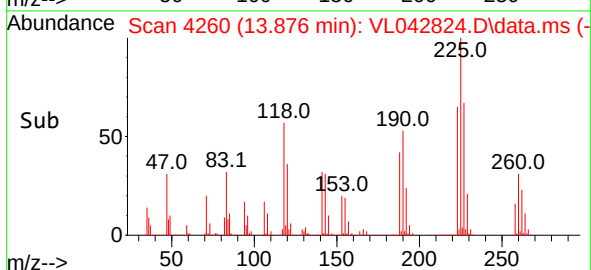
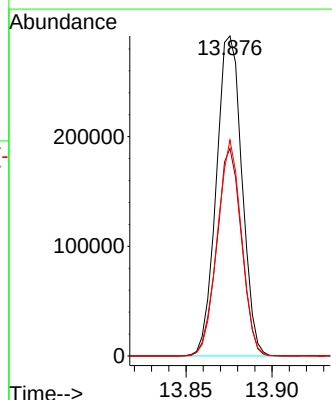
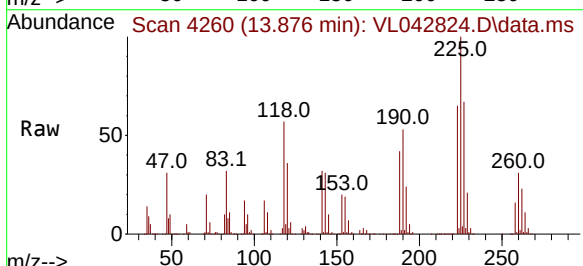
Delta R.T. -0.003 min

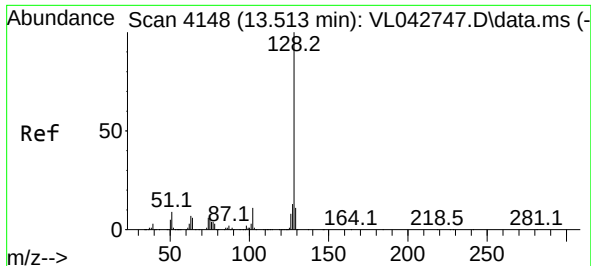
Lab File: VL042824.D

Acq: 07 Aug 2025 08:27

Tgt Ion:225 Resp: 302640

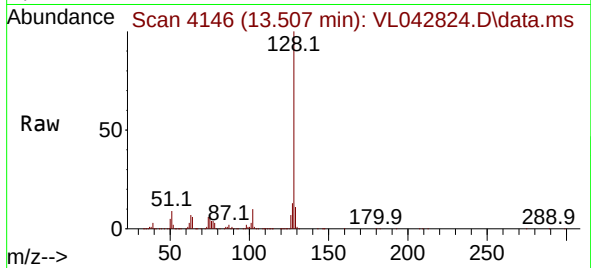
Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.7	76.1
227	63.4	50.5	75.7





#79
Naphthalene
Concen: 10.903 ppbv
RT: 13.507 min Scan# 4146
Delta R.T. -0.007 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27

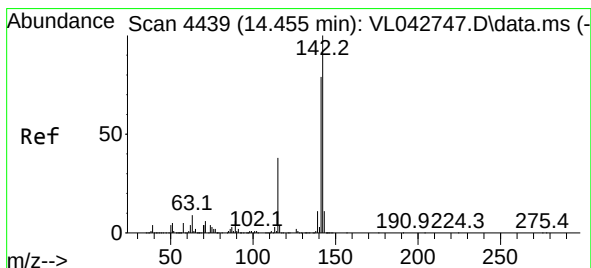
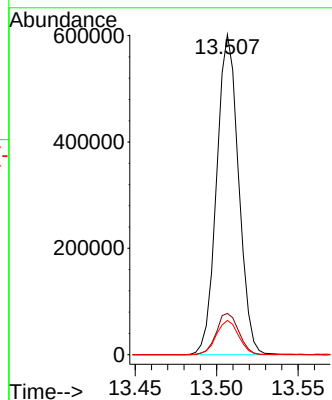
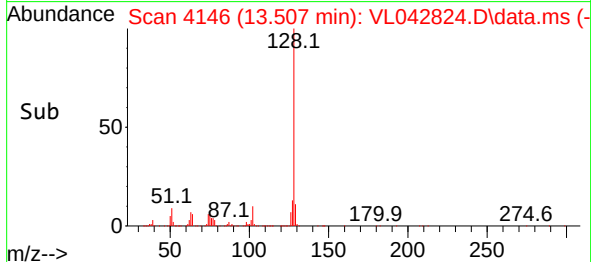
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



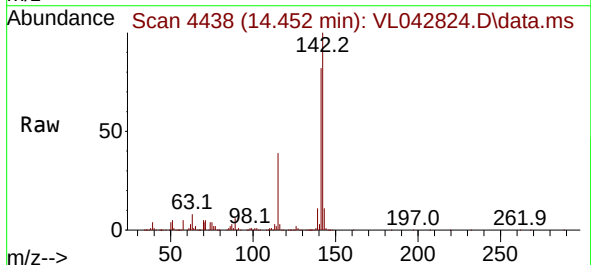
Tgt Ion:128 Resp: 563249
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.7 8.6 13.0

Manual Integrations
APPROVED

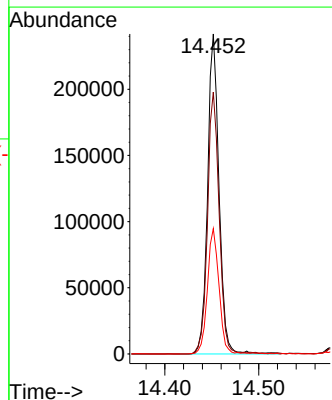
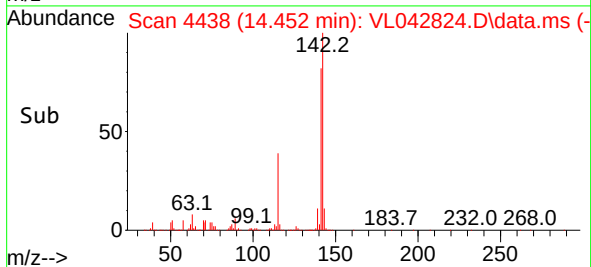
Reviewed By :Semsettin Yesilyurt 08/08/2025
Supervised By :Mahesh Dadoda 08/11/2025

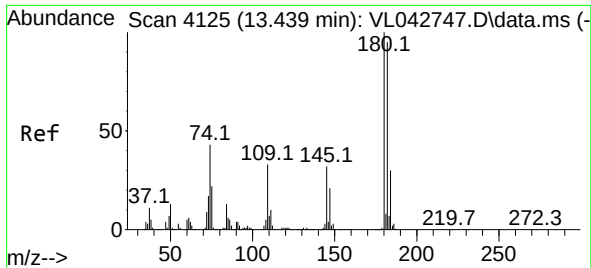


#80
Naphthalene,2-methyl-
Concen: 8.150 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. -0.003 min
Lab File: VL042824.D
Acq: 07 Aug 2025 08:27



Tgt Ion:142 Resp: 203706
Ion Ratio Lower Upper
142 100
141 84.5 65.8 98.8
115 40.2 31.2 46.8





#81

1,2,4-Trichlorobenzene

Concen: 10.802 ppbv

RT: 13.435 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042824.D

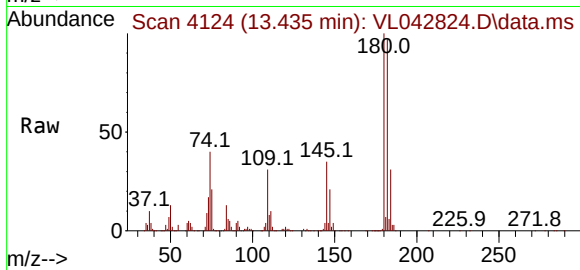
Acq: 07 Aug 2025 08:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 313518

Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.2

184 30.9 24.8 37.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2025

Supervised By :Mahesh Dadoda 08/11/2025

