

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062725\
 Data File : VL042670.D
 Acq On : 27 Jun 2025 08:23
 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 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025

Quant Time: Jun 27 23:00:05 2025

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

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

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

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	108045	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	273583	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	242543	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 192139 10.568 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	143058	10.773	ppbv	99
3) Chlorodifluoromethane	1.473	51	179746	9.828	ppbv	98
4) Chloromethane	1.531	50	55262	10.509	ppbv	98
5) Vinyl Chloride	1.580	62	49899	9.315	ppbv	99
6) Bromomethane	1.667	94	26847	10.297	ppbv	94
7) Chloroethane	1.703	64	20423	9.812	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	117740	10.641	ppbv	98
9) Propene	1.483	41	69694	9.463	ppbv	98
10) Heptane	4.968	43	199850	9.626	ppbv	100
11) Trichlorofluoromethane	1.874	101	151847	12.290	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.136	101	115647	11.920	ppbv	97
13) Ethanol	1.719	45	6180	7.041	ppbv	94
14) Bromoethene	1.780	108	40932	11.216	ppbv	97
15) Acetone	1.832	43	123589	9.496	ppbv	97
16) 1,3-Butadiene	1.606	39	58029	9.413	ppbv	99
17) tert-Butyl alcohol	2.036	59	137418	10.136	ppbv	99
18) 1,1-Dichloroethene	2.033	96	49732	11.059	ppbv	93
19) Isopropyl Alcohol	1.884	45	78265	10.060	ppbv	96
20) Methylene Chloride	2.059	84	44409	10.340	ppbv	93
21) Allyl Chloride	2.094	41	94033	10.240	ppbv	94
22) trans-1,2-Dichloroethene	2.337	96	57284	11.404	ppbv	93
23) Vinyl Acetate	2.460	43	216852m	12.327	ppbv	
24) 1,1-Dichloroethane	2.405	63	114142	11.044	ppbv	99
25) Ethyl Acetate	2.829	43	359268	10.087	ppbv	99
26) Hexane	2.823	57	153640	9.494	ppbv	95
27) Carbon Disulfide	2.146	76	141726	11.408	ppbv #	90
28) Methyl tert-Butyl Ether	2.437	73	79137	12.050	ppbv	97
29) Chloroform	2.845	83	227578	10.814	ppbv	94
30) Cyclohexane	3.852	84	122018	9.095	ppbv	96
31) cis-1,2-Dichloroethene	2.716	61	148610	10.039	ppbv	94
32) 1,1,1-Trichloroethane	3.363	97	219811	10.223	ppbv	99
34) 2-Butanone	2.551	43	235446	12.068	ppbv	98
35) Carbon Tetrachloride	3.755	117	223094	12.353	ppbv	96
36) Benzene	3.651	78	302997	11.247	ppbv	98
37) 1,2-Dichloroethane	3.214	62	174784	13.054	ppbv	97
38) Trichloroethene	4.538	130	120688	10.539	ppbv	90
39) 1,2-Dichloropropane	4.308	63	113422	11.384	ppbv	100
40) 1,4-Dioxane	4.570	88	50122	11.243	ppbv #	92
41) Tetrahydrofuran	3.049	42	127615	11.174	ppbv	98
42) Bromodichloromethane	4.480	83	243110	12.784	ppbv	95
43) Methyl Methacrylate	4.871	69	112348	10.744	ppbv	98
44) 2,2,4-Trimethylpentane	4.635	57	524538	11.382	ppbv	99
45) t-1,3-Dichloropropene	6.406	75	129456	10.819	ppbv	96

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 Supervised By :Mahesh Dadoda 06/30/2025

Quant Time: Jun 27 23:00:05 2025

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

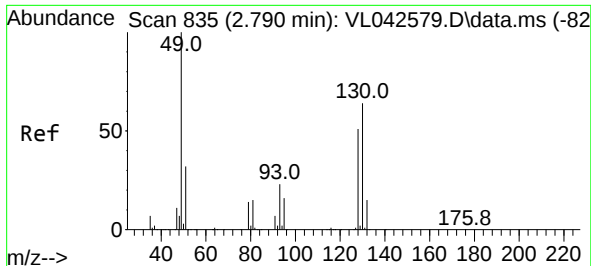
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

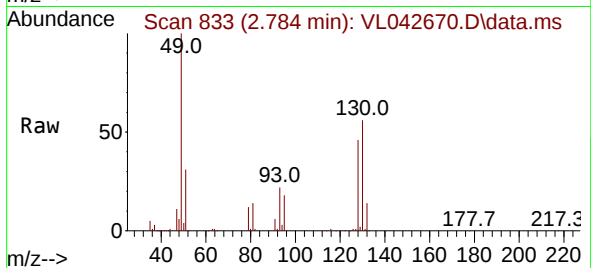
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	162066	10.809	ppbv	98
47) 1,1,2-Trichloroethane	6.571	97	119517	11.589	ppbv	97
48) Dibromochloromethane	7.380	129	193186	11.701	ppbv	100
49) Bromoform	9.480	173	169719	11.914	ppbv	99
50) 4-Methyl-2-Pentanone	5.742	43	309715	11.445	ppbv	98
51) 2-Hexanone	7.428	43	244750	11.404	ppbv #	96
52) Tetrachloroethene	8.218	164	102020	10.134	ppbv	97
53) Toluene	6.927	91	330201	10.605	ppbv	99
54) 1,2-Dibromoethane	7.645	107	178150	11.670	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.920	131	149145	12.229	ppbv	98
57) Chlorobenzene	8.917	112	264774	11.243	ppbv	99
58) Ethyl Benzene	9.351	91	468721	11.393	ppbv	94
59) m/p-Xylene	9.548	91	770704m	23.805	ppbv	
60) o-Xylene	9.959	91	381262	11.807	ppbv	98
61) Styrene	9.866	104	158538	10.384	ppbv	97
62) Isopropylbenzene	10.536	105	550612	11.542	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	248912	12.123	ppbv	100
64) n-propylbenzene	10.985	120	143667	11.235	ppbv	89
65) tert-Butylbenzene	11.529	119	482264	11.140	ppbv	95
66) Benzyl Chloride	11.610	91	52359	9.396	ppbv	97
67) sec-Butylbenzene	11.765	105	702233	11.538	ppbv	98
69) p-Isopropyltoluene	11.924	119	579788	11.375	ppbv	99
70) n-Butylbenzene	12.277	91	595234	11.831	ppbv	97
71) 2-Chlorotoluene	10.898	91	424145	11.656	ppbv	95
72) 4-Ethyltoluene	11.121	105	469737	11.668	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	389215	11.681	ppbv	98
74) 1,2,4-Trimethylbenzene	11.532	105	433019	11.711	ppbv #	91
75) 1,3-Dichlorobenzene	11.604	146	267385	11.515	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	267005	11.529	ppbv	100
77) 1,2-Dichlorobenzene	11.943	146	262323	11.640	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	181355	9.726	ppbv	98
79) Naphthalene	13.510	128	405468	11.633	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	182890	11.615	ppbv	96
81) 1,2,4-Trichlorobenzene	13.436	180	206285	10.602	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

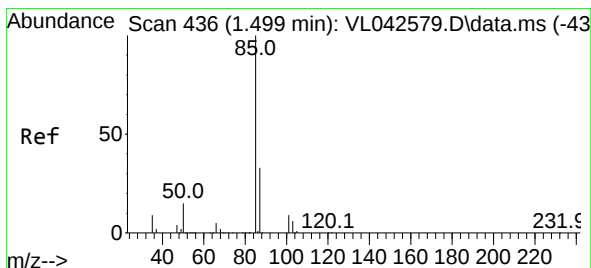
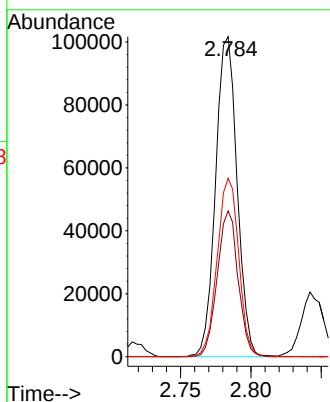
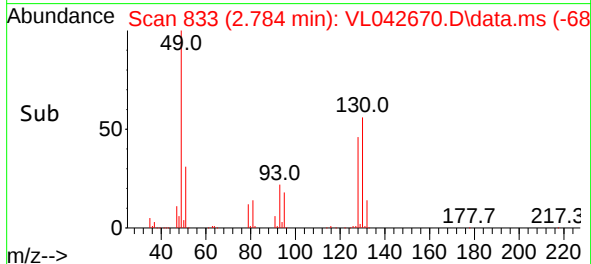
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



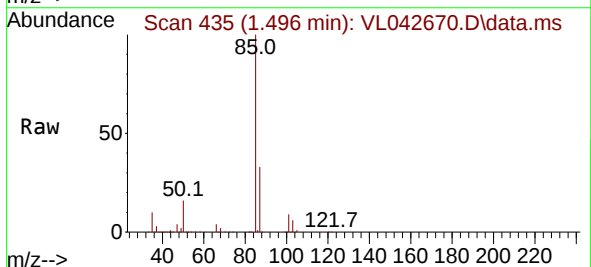
Tgt Ion: 49 Resp: 108045
Ion Ratio Lower Upper
49 100
128 44.2 24.2 72.6
130 55.8 30.4 91.2

Manual Integrations
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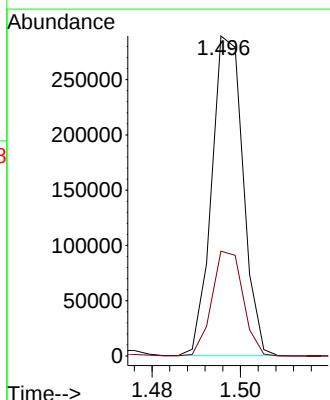
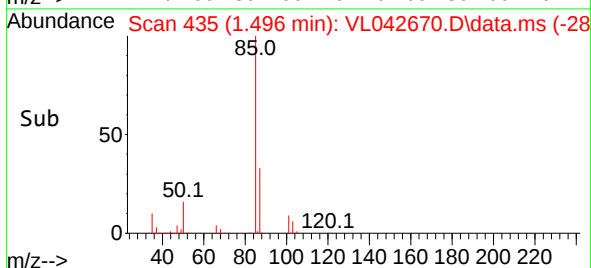
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

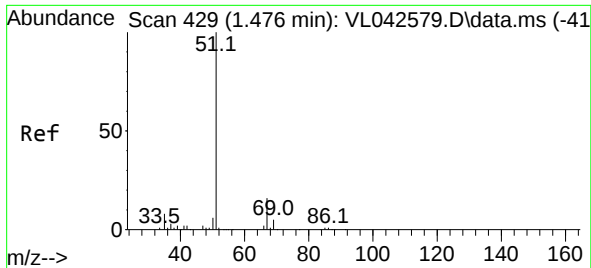


#2
Dichlorodifluoromethane
Concen: 10.773 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23



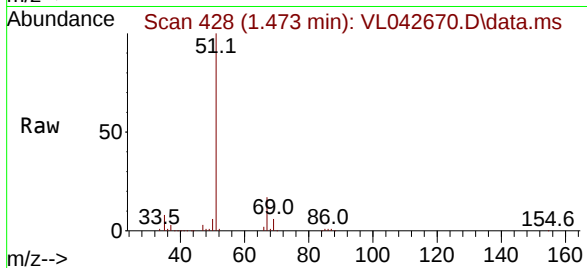
Tgt Ion: 85 Resp: 143058
Ion Ratio Lower Upper
85 100
87 32.8 26.6 39.8





#3
Chlorodifluoromethane
Concen: 9.828 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

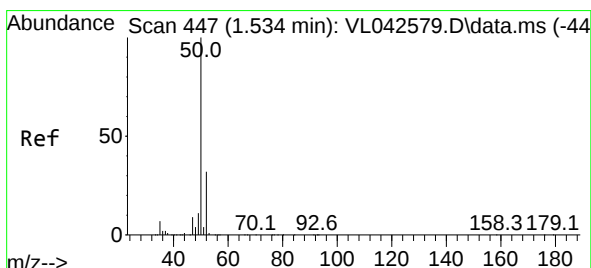
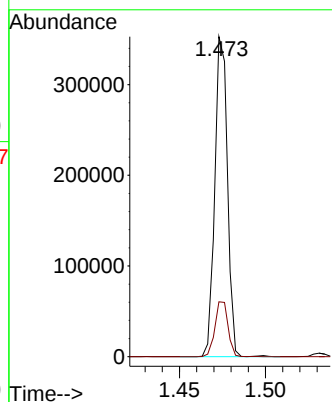
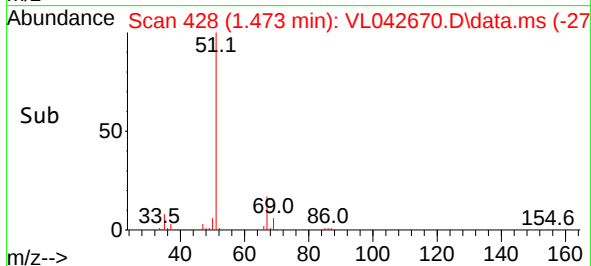
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 51 Resp: 179740
Ion Ratio Lower Upper
51 100
67 17.8 13.4 20.2

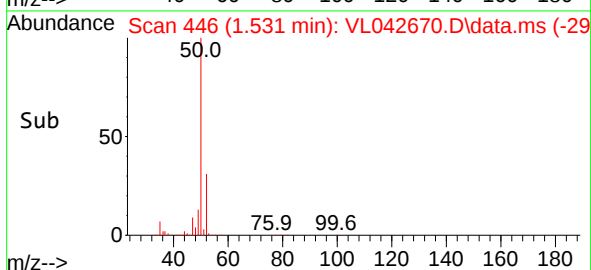
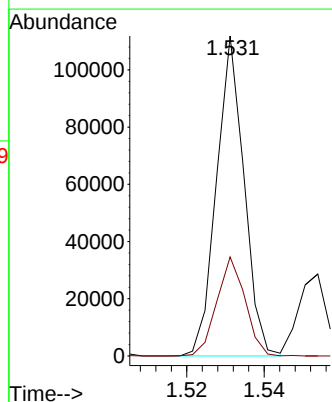
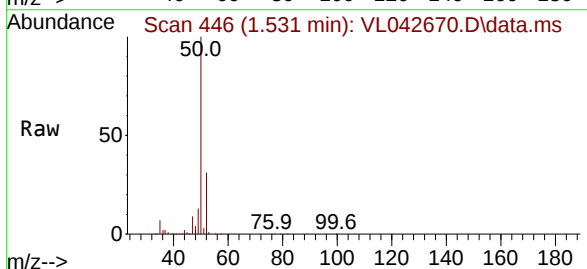
Manual Integrations
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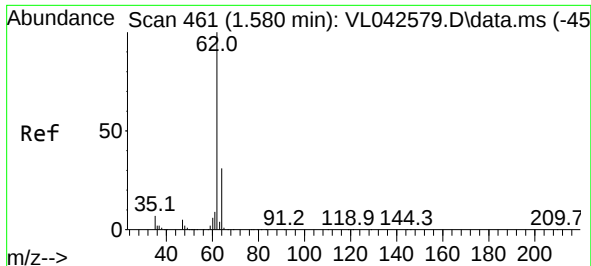
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#4
Chloromethane
Concen: 10.509 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

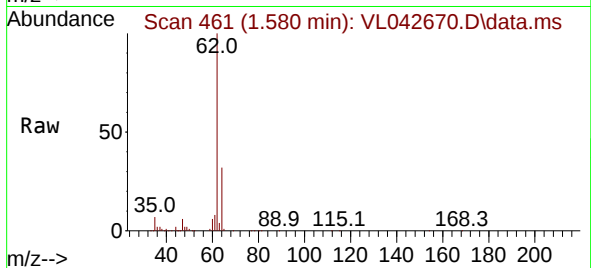
Tgt Ion: 50 Resp: 55262
Ion Ratio Lower Upper
50 100
52 30.9 25.8 38.6





#5
 Vinyl Chloride
 Concen: 9.315 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042670.D
 Acq: 27 Jun 2025 08:23

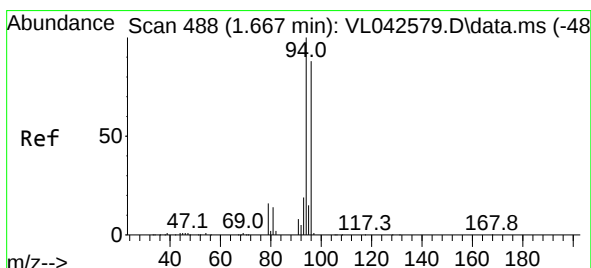
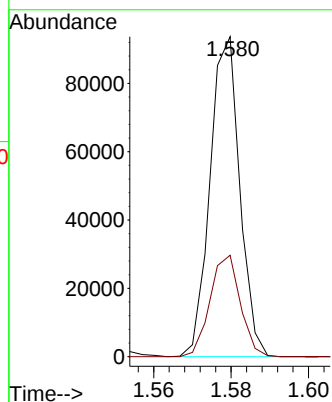
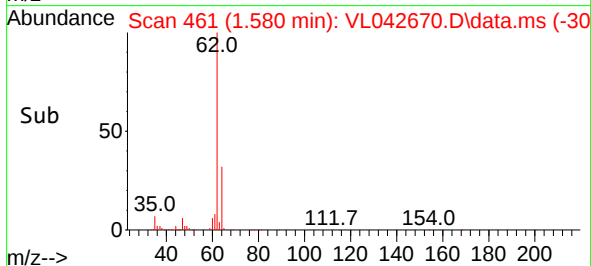
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



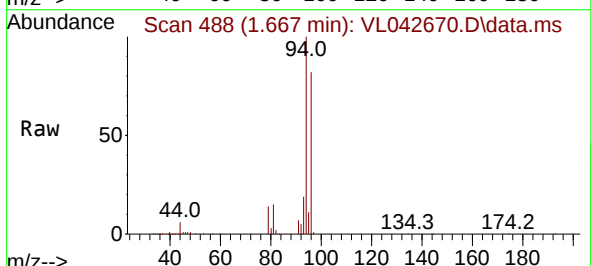
Tgt Ion: 62 Resp: 49899
 Ion Ratio Lower Upper
 62 100
 64 31.7 24.9 37.3

Manual Integrations
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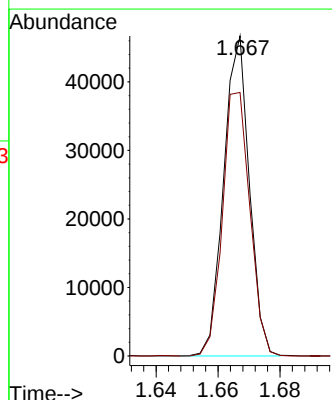
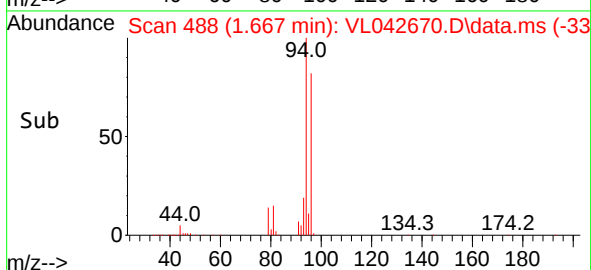
Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025

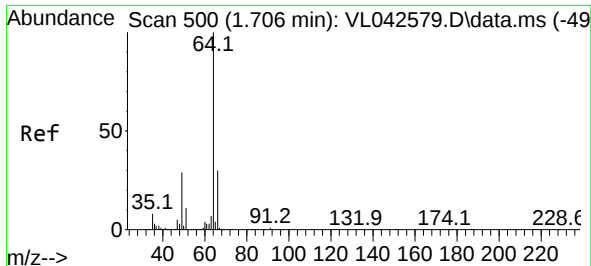


#6
 Bromomethane
 Concen: 10.297 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042670.D
 Acq: 27 Jun 2025 08:23



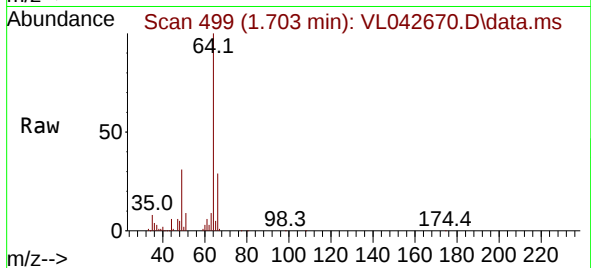
Tgt Ion: 94 Resp: 26847
 Ion Ratio Lower Upper
 94 100
 96 82.4 70.7 106.1





#7
Chloroethane
Concen: 9.812 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.003 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

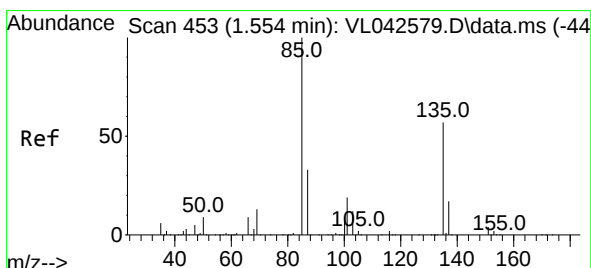
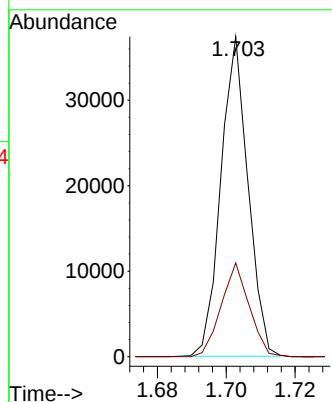
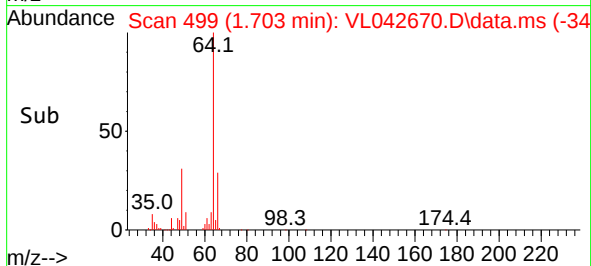
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 64 Resp: 2042
Ion Ratio Lower Upper
64 100
66 29.3 24.3 36.5

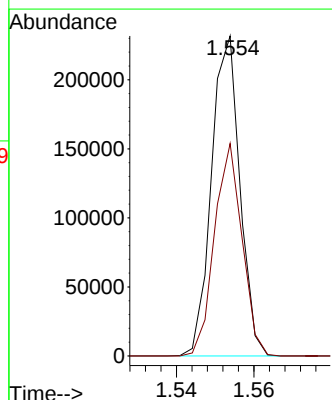
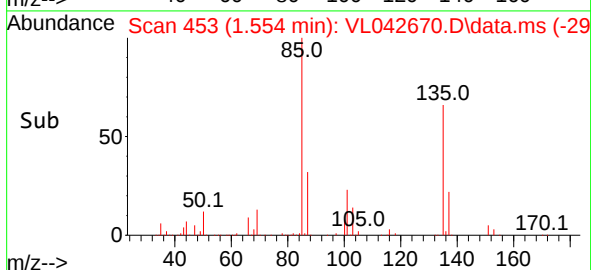
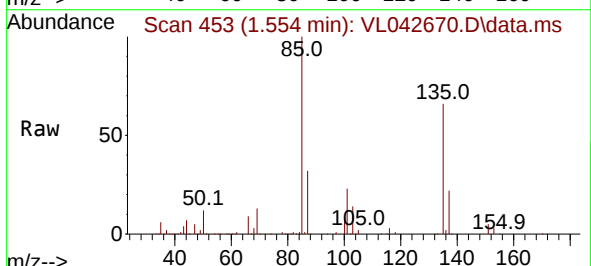
Manual Integrations
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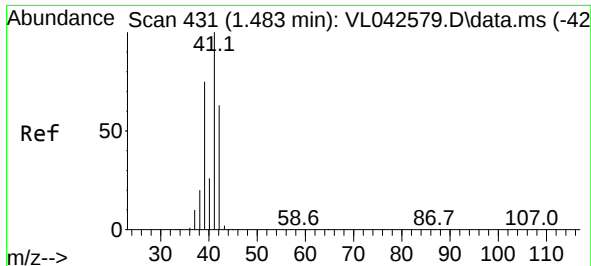
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#8
Dichlorotetrafluoroethane
Concen: 10.641 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

Tgt Ion: 85 Resp: 117740
Ion Ratio Lower Upper
85 100
135 64.6 50.2 75.4





#9

Propene

Concen: 9.463 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042670.D

Acq: 27 Jun 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 69694

Ion Ratio Lower Upper

41 100

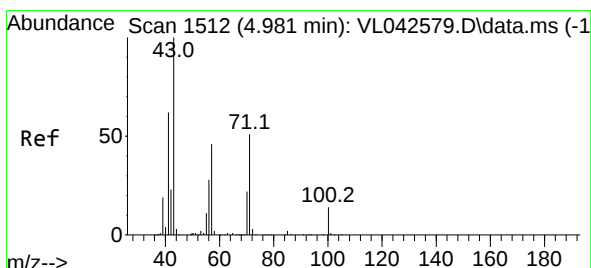
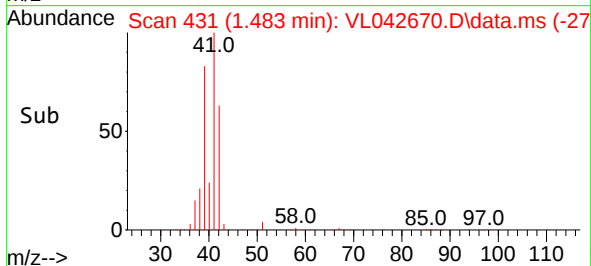
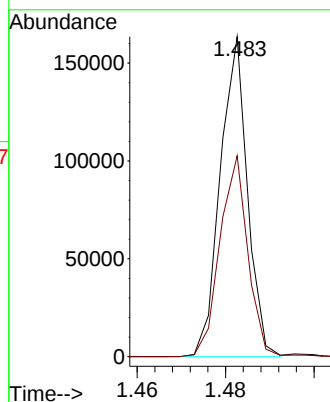
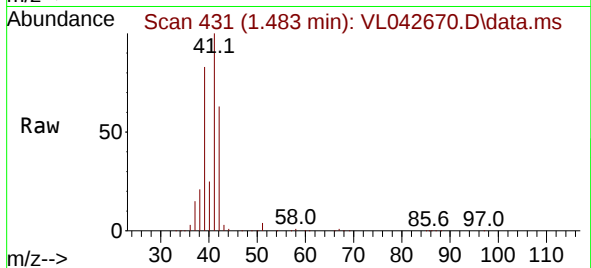
42 65.0 53.3 79.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025

Supervised By :Mahesh Dadoda 06/30/2025



#10

Heptane

Concen: 9.626 ppbv

RT: 4.968 min Scan# 1508

Delta R.T. -0.013 min

Lab File: VL042670.D

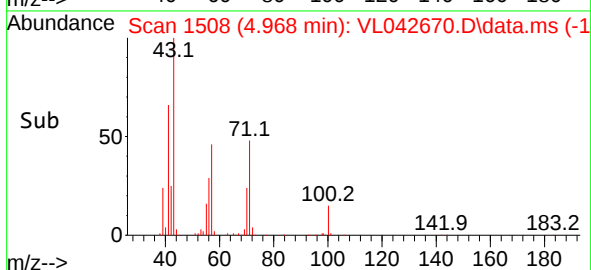
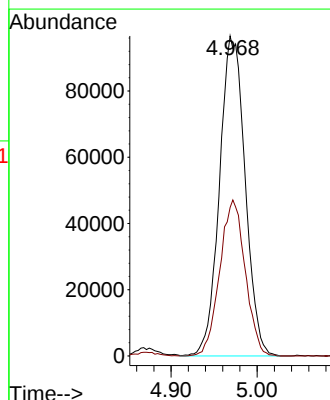
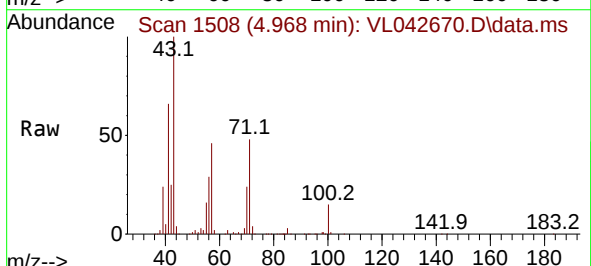
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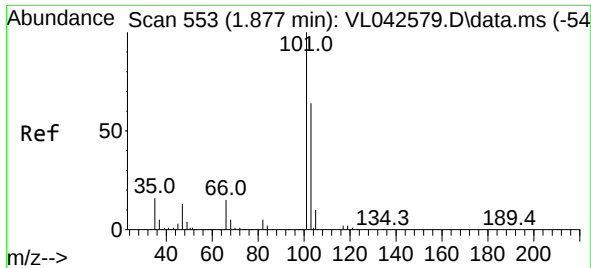
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Ion Ratio Lower Upper

43 100

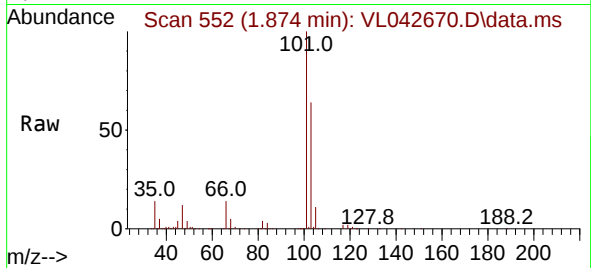
57 48.4 38.9 58.3





#11
 Trichlorofluoromethane
 Concen: 12.290 ppbv
 RT: 1.874 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL042670.D
 Acq: 27 Jun 2025 08:23

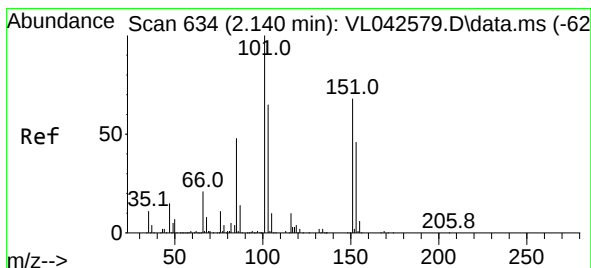
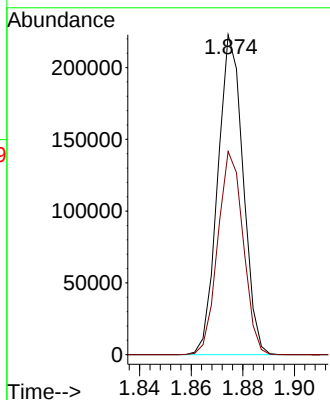
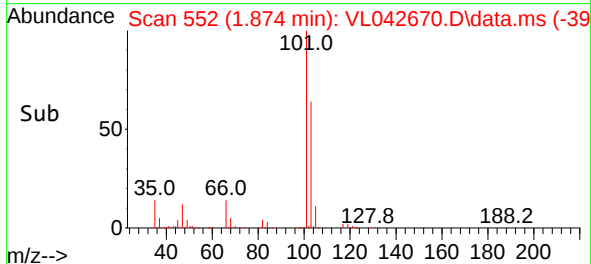
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



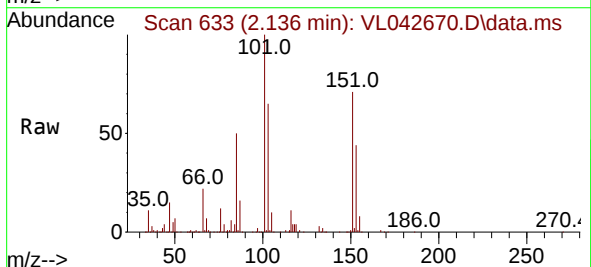
Tgt Ion:101 Resp: 15184
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.5 77.3

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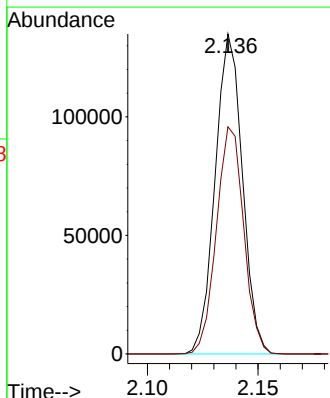
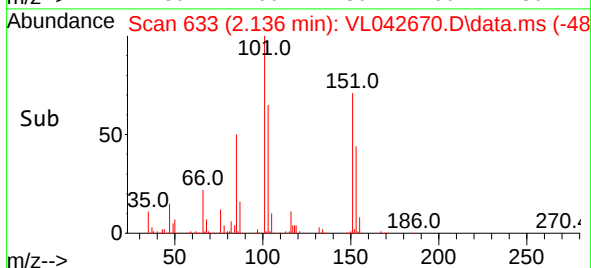
Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025

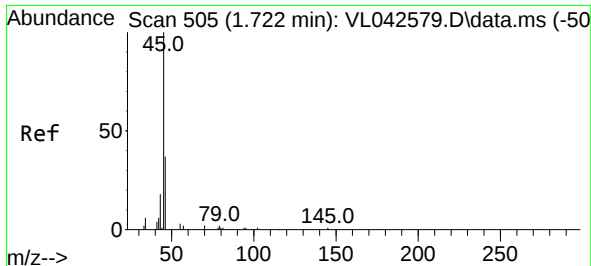


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.920 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.003 min
 Lab File: VL042670.D
 Acq: 27 Jun 2025 08:23



Tgt Ion:101 Resp: 115647
 Ion Ratio Lower Upper
 101 100
 151 71.2 55.3 82.9





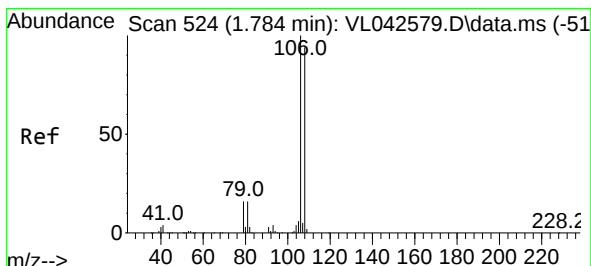
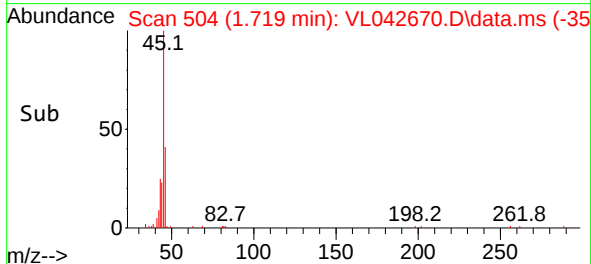
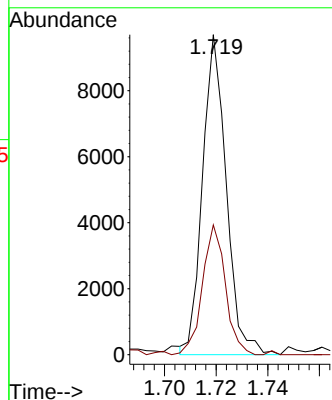
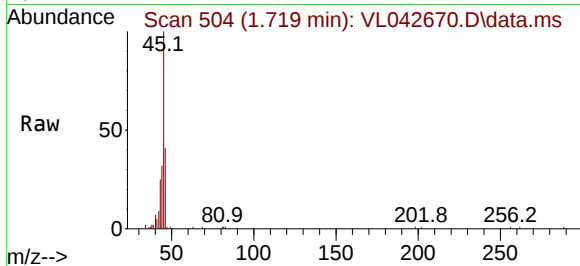
#13
Ethanol
Concen: 7.041 ppbv
RT: 1.719 min Scan# 505
Delta R.T. -0.003 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 6180
Ion Ratio Lower Upper
45 100
46 40.0 14.5 58.1

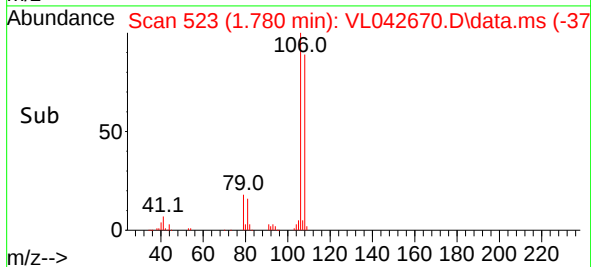
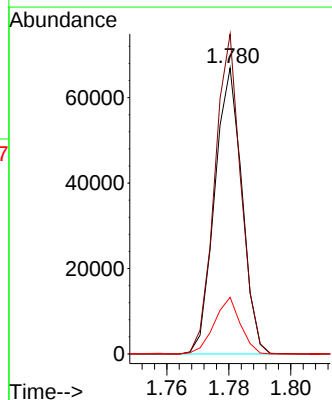
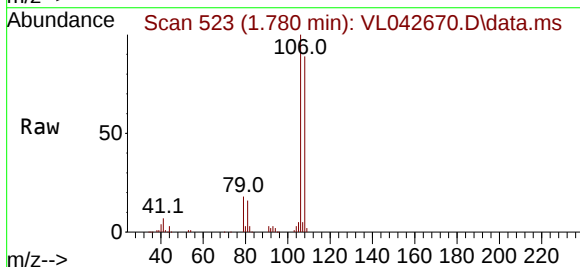
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#14
Bromoethene
Concen: 11.216 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

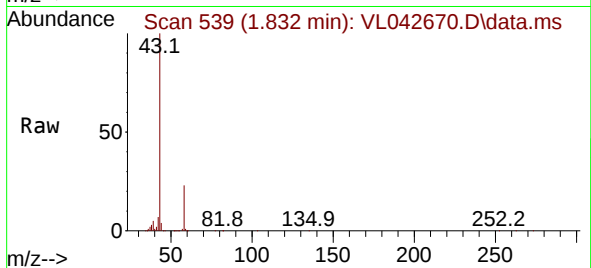
Tgt Ion:108 Resp: 40932
Ion Ratio Lower Upper
108 100
106 106.6 87.9 131.9
79 19.2 15.6 23.4





#15
Acetone
Concen: 9.496 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

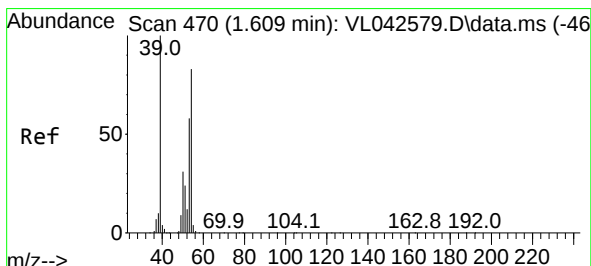
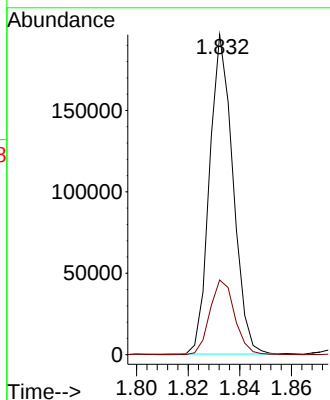
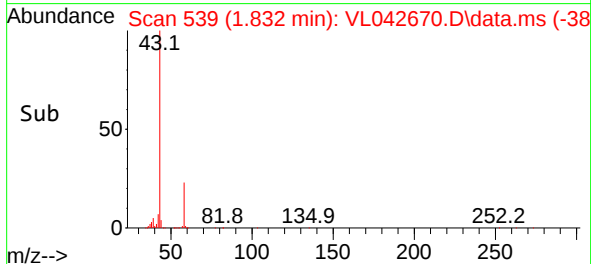
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 123589
Ion Ratio Lower Upper
43 100
58 24.9 21.0 31.4

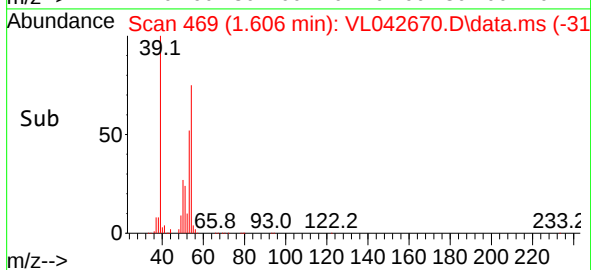
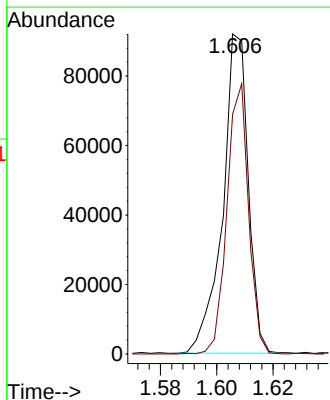
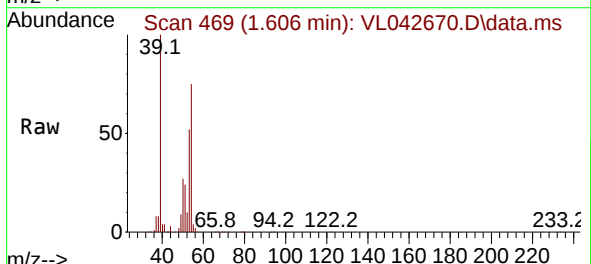
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#16
1,3-Butadiene
Concen: 9.413 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

Tgt Ion: 39 Resp: 58029
Ion Ratio Lower Upper
39 100
54 71.5 57.9 86.9





#17

tert-Butyl alcohol

Concen: 10.136 ppbv

RT: 2.036 min Scan# 601

Delta R.T. -0.006 min

Lab File: VL042670.D

Acq: 27 Jun 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 137418

Ion Ratio Lower Upper

59 100

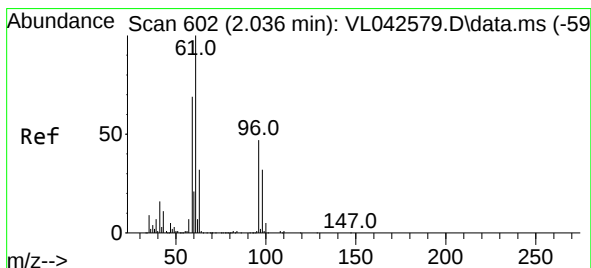
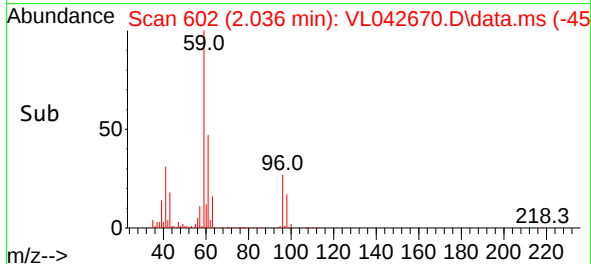
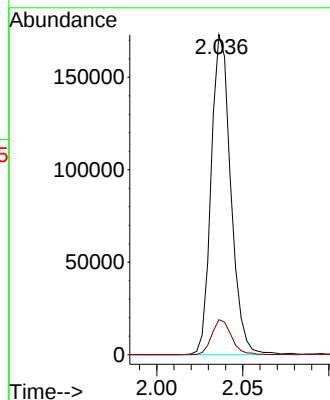
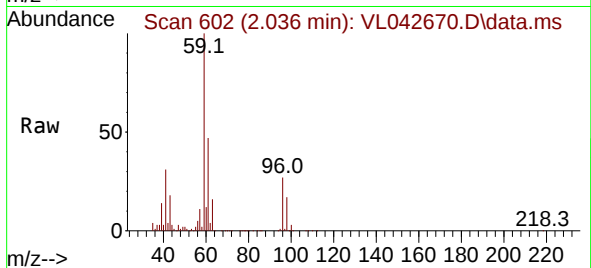
57 11.0 8.6 12.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/30/2025

Supervised By :Mahesh Dadoda 06/30/2025



#18

1,1-Dichloroethene

Concen: 11.059 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.003 min

Lab File: VL042670.D

Acq: 27 Jun 2025 08:23

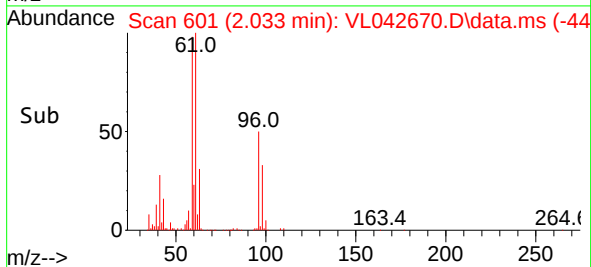
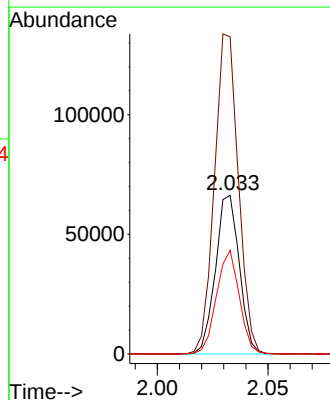
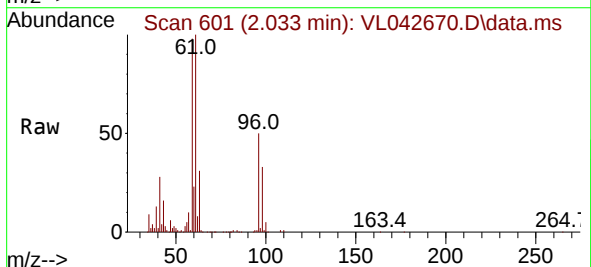
Tgt Ion: 96 Resp: 49732

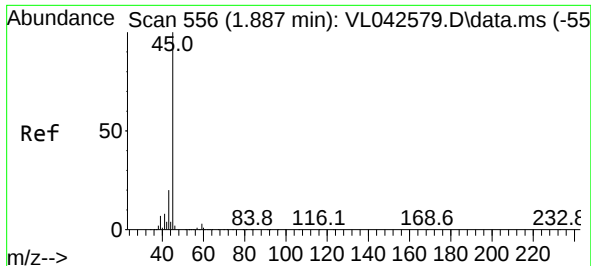
Ion Ratio Lower Upper

96 100

61 199.9 171.1 256.7

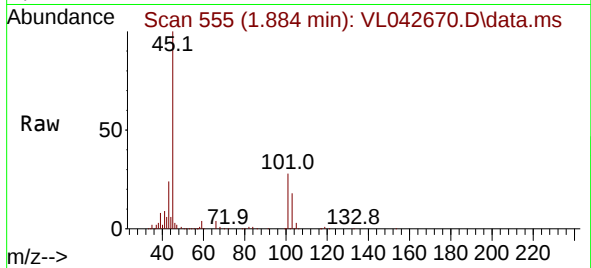
98 65.4 54.4 81.6





#19
Isopropyl Alcohol
Concen: 10.060 ppbv
RT: 1.884 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

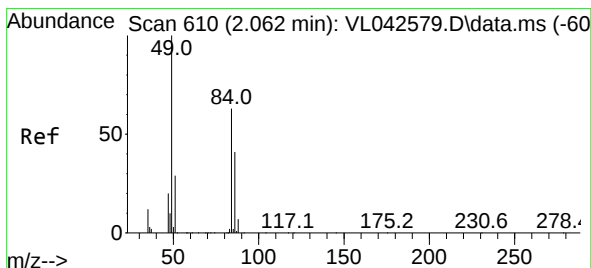
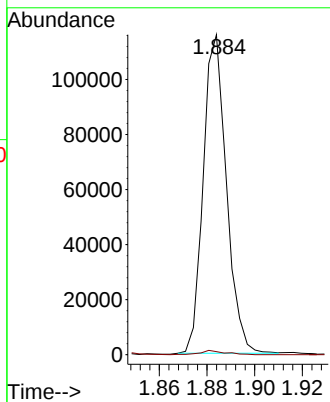
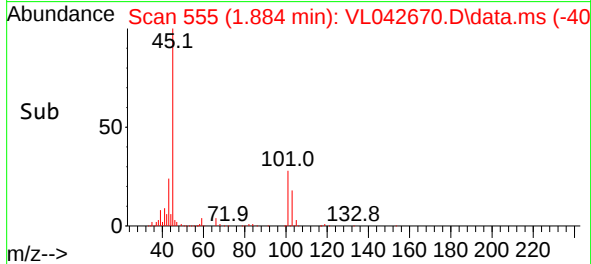
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



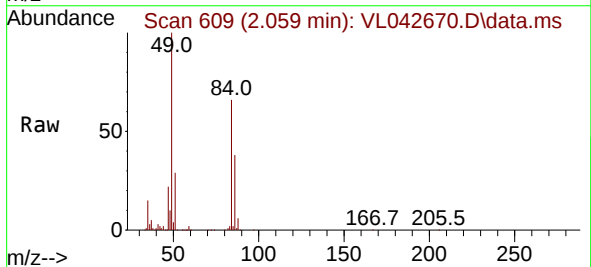
Tgt Ion: 45 Resp: 7826
Ion Ratio Lower Upper
45 100
58 39.3 29.4 44.2

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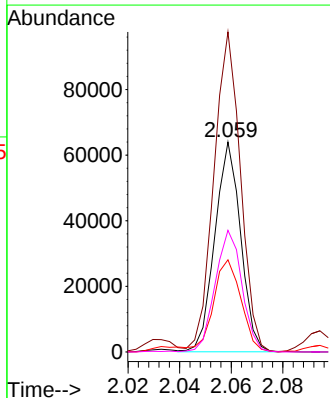
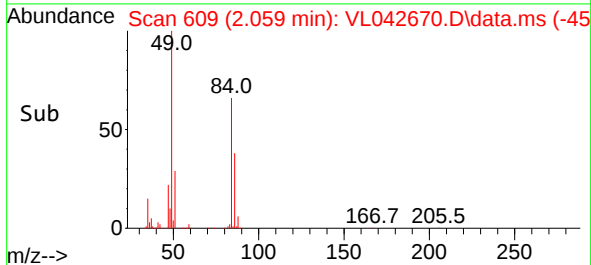
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

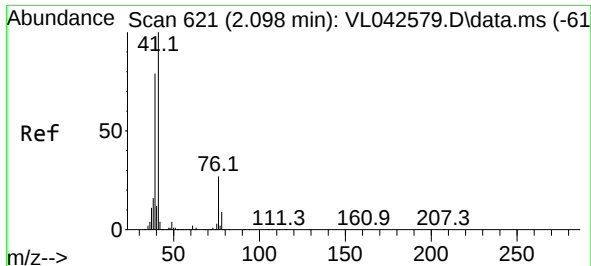


#20
Methylene Chloride
Concen: 10.340 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23



Tgt Ion: 84 Resp: 44409
Ion Ratio Lower Upper
84 100
49 152.4 128.8 193.2
51 44.0 38.6 57.8
86 57.9 52.5 78.7





#21
 Allyl Chloride
 Concen: 10.240 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL042670.D
 Acq: 27 Jun 2025 08:23

Instrument :

MSVOA_L

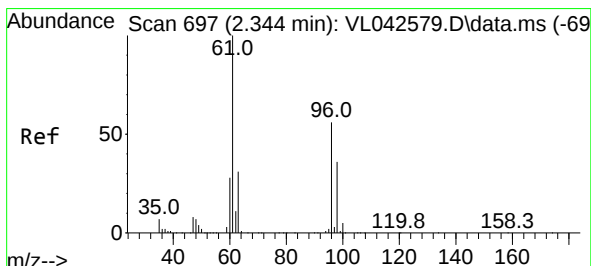
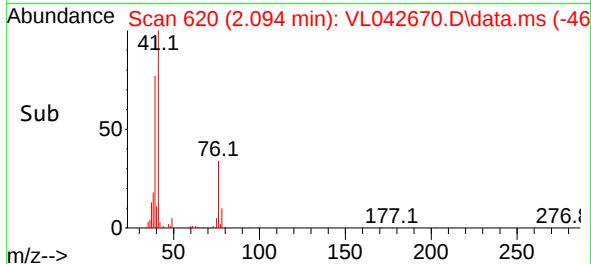
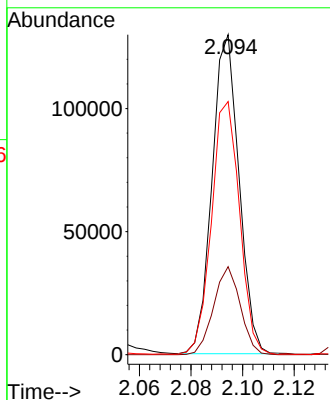
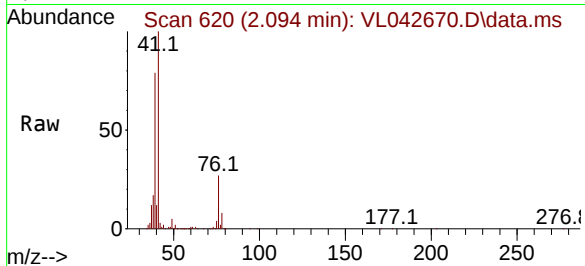
ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 9403
 Ion Ratio Lower Upper
 41 100
 76 27.3 21.2 31.8
 39 82.6 60.9 91.3

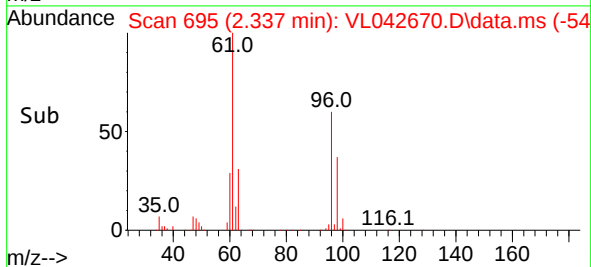
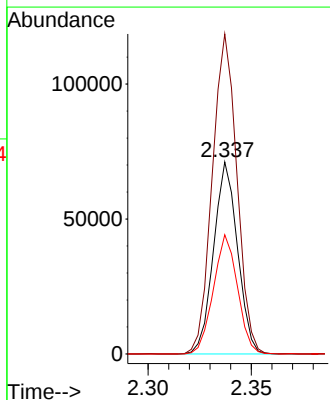
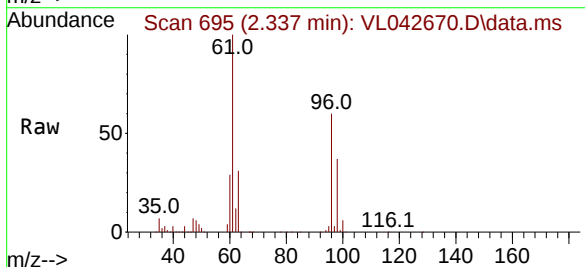
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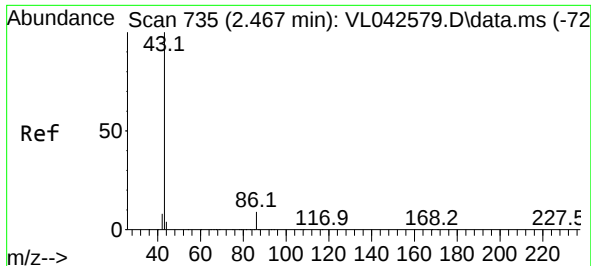
Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025



#22
 trans-1,2-Dichloroethene
 Concen: 11.404 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.006 min
 Lab File: VL042670.D
 Acq: 27 Jun 2025 08:23

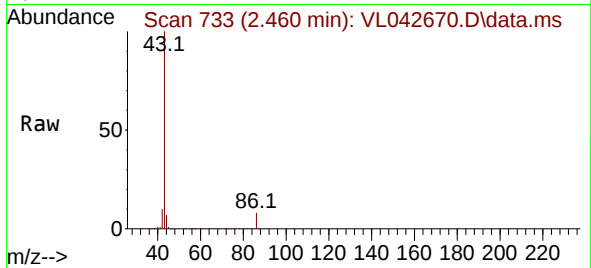
Tgt Ion: 96 Resp: 57284
 Ion Ratio Lower Upper
 96 100
 61 166.6 142.6 214.0
 98 62.1 51.0 76.4





#23
 Vinyl Acetate
 Concen: 12.327 ppbv m
 RT: 2.460 min Scan# 716
 Delta R.T. -0.006 min
 Lab File: VL042670.D
 Acq: 27 Jun 2025 08:23

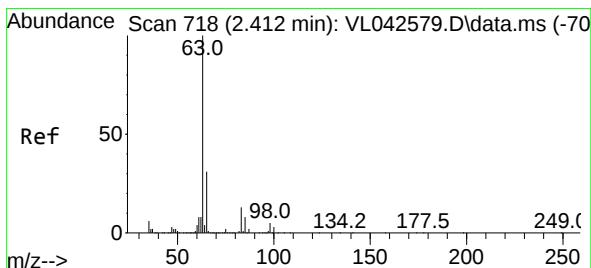
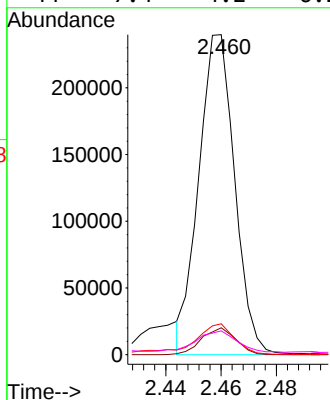
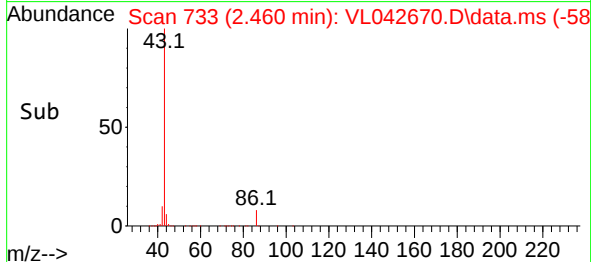
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 43 Resp: 216852
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.6 9.8
 42 9.7 7.0 10.4
 44 7.4 4.2 6.2#

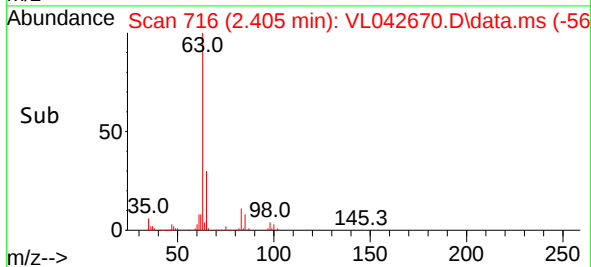
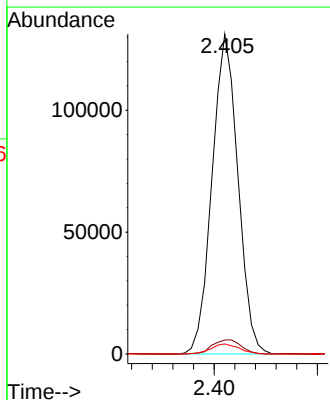
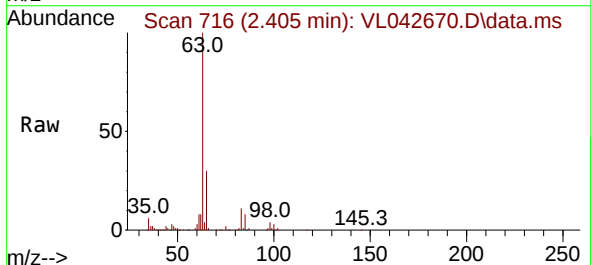
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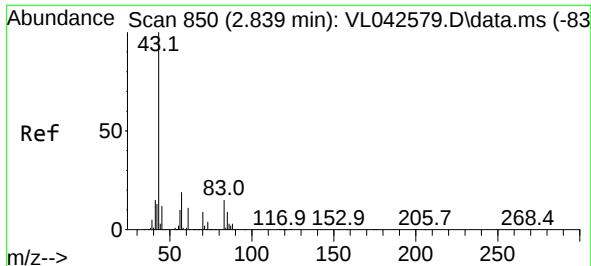
Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025



#24
 1,1-Dichloroethane
 Concen: 11.044 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.006 min
 Lab File: VL042670.D
 Acq: 27 Jun 2025 08:23

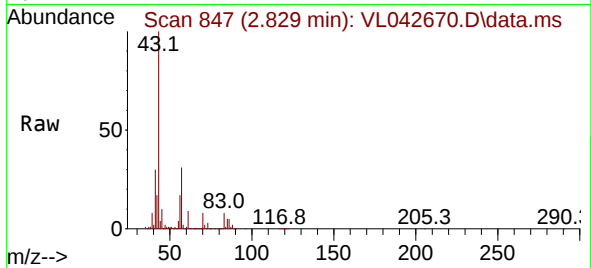
Tgt Ion: 63 Resp: 114142
 Ion Ratio Lower Upper
 63 100
 98 4.4 2.4 7.1
 100 3.1 1.4 4.0





#25
Ethyl Acetate
Concen: 10.087 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.010 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

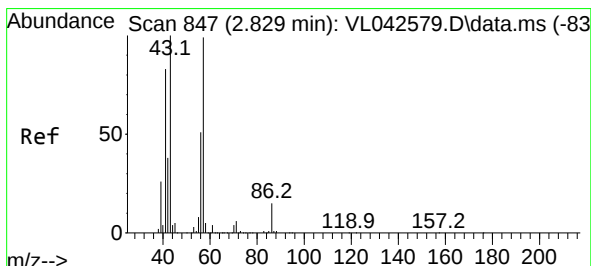
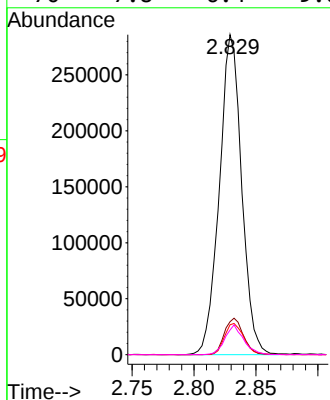
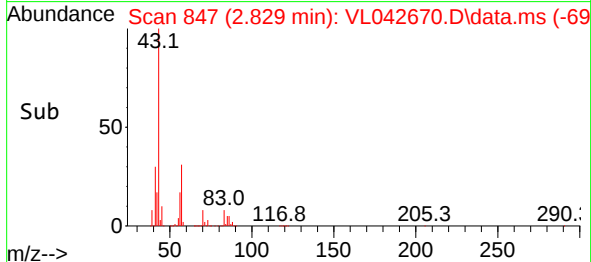
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



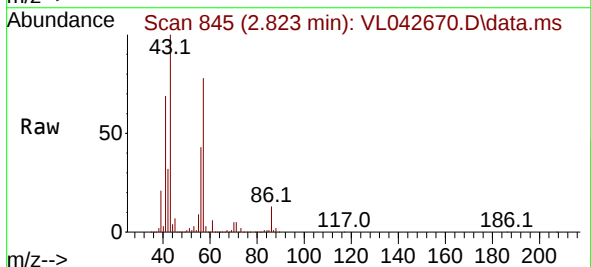
Tgt Ion: 43 Resp: 359268
Ion Ratio Lower Upper
43 100
45 9.8 8.2 12.2
61 8.5 7.1 10.7
70 7.8 6.4 9.6

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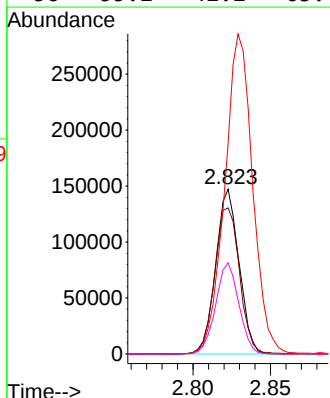
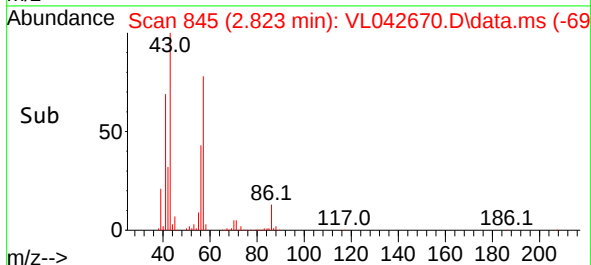
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

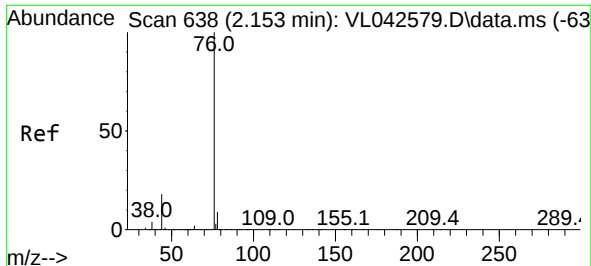


#26
Hexane
Concen: 9.494 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.006 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23



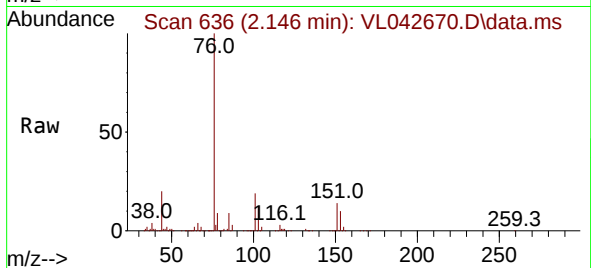
Tgt Ion: 57 Resp: 153640
Ion Ratio Lower Upper
57 100
41 94.8 70.6 106.0
43 234.2 181.1 271.7
56 55.2 42.2 63.4





#27
Carbon Disulfide
Concen: 11.408 ppbv
RT: 2.146 min Scan# 611
Delta R.T. -0.006 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

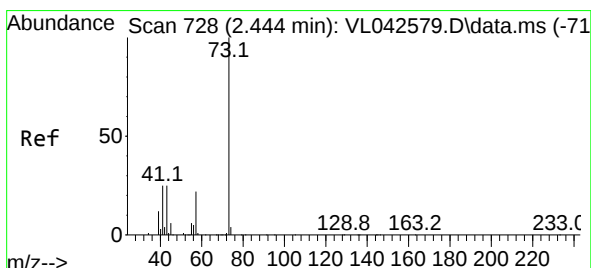
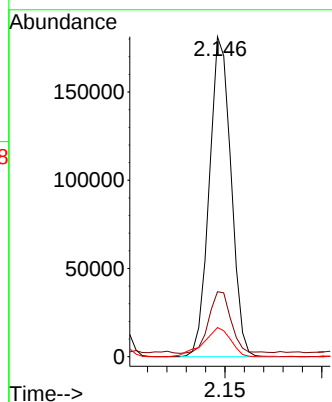
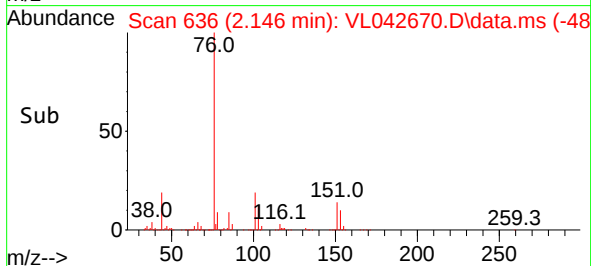
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



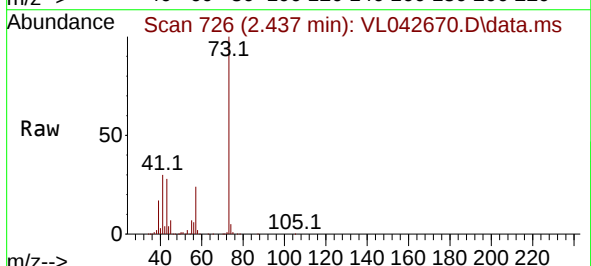
Tgt Ion: 76 Resp: 141720
Ion Ratio Lower Upper
76 100
44 19.6 21.3 31.9
78 11.4 9.4 14.0

Manual Integrations
APPROVED

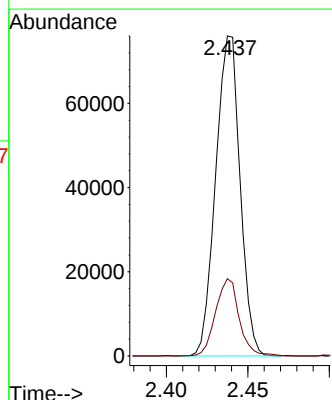
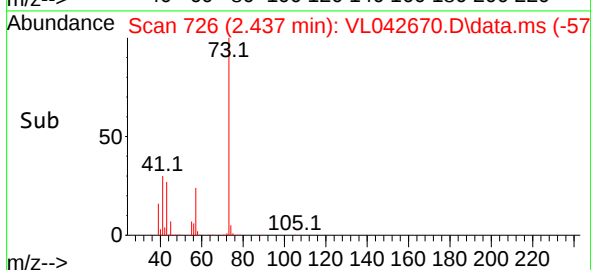
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

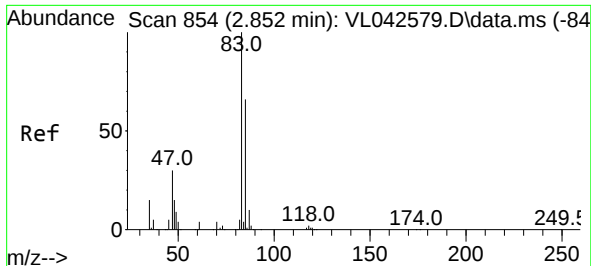


#28
Methyl tert-Butyl Ether
Concen: 12.050 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.006 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23



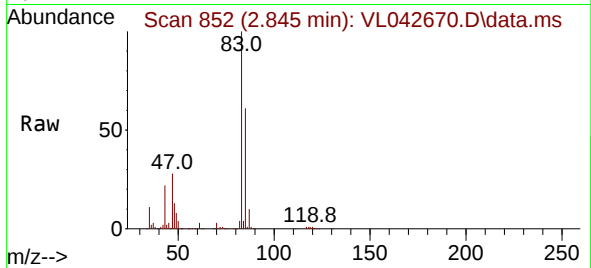
Tgt Ion: 73 Resp: 79137
Ion Ratio Lower Upper
73 100
57 23.3 19.9 29.9





#29
Chloroform
Concen: 10.814 ppbv
RT: 2.845 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

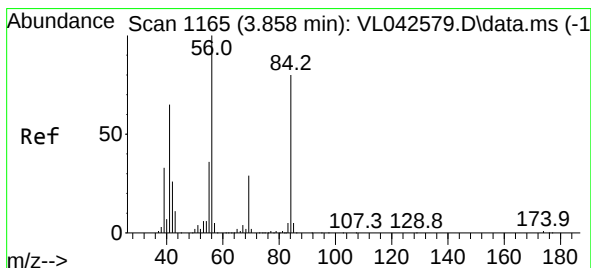
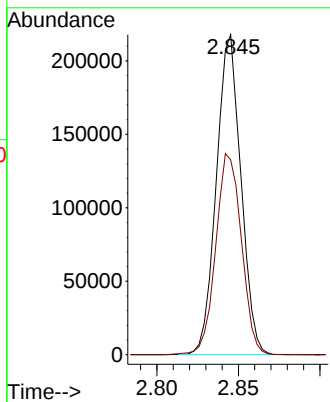
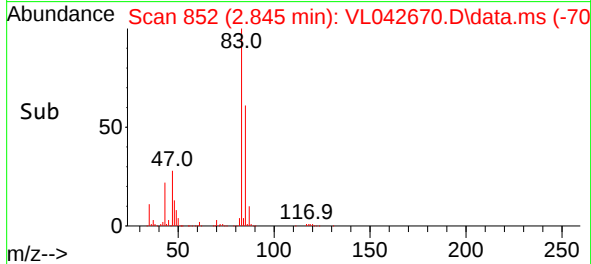
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 83 Resp: 227578
Ion Ratio Lower Upper
83 100
85 60.9 52.8 79.2

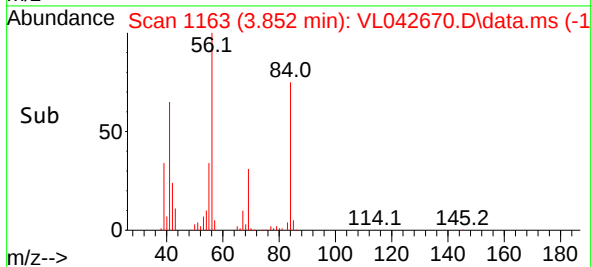
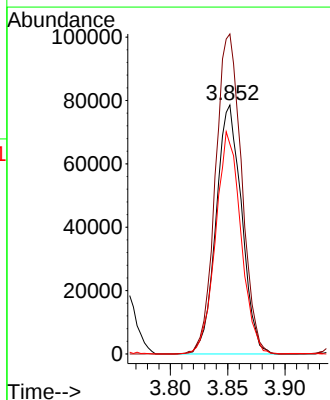
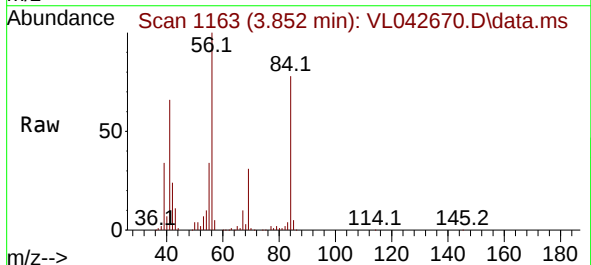
Manual Integrations
APPROVED

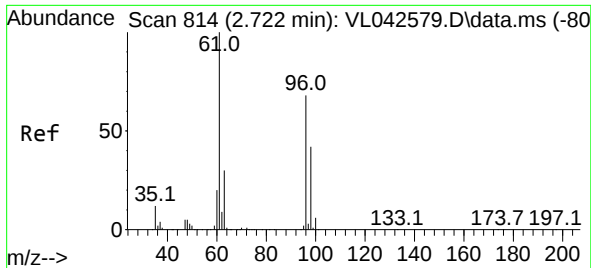
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#30
Cyclohexane
Concen: 9.095 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.006 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

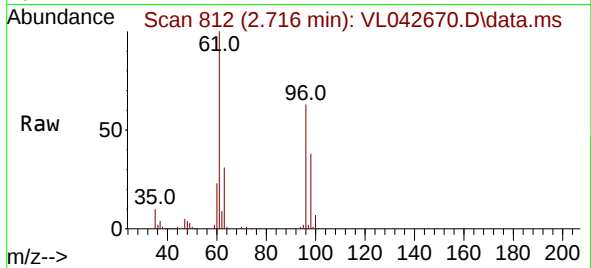
Tgt Ion: 84 Resp: 122018
Ion Ratio Lower Upper
84 100
56 131.1 103.7 155.5
41 88.1 65.1 97.7





#31
 cis-1,2-Dichloroethene
 Concen: 10.039 ppbv
 RT: 2.716 min Scan# 814
 Delta R.T. -0.006 min
 Lab File: VL042670.D
 Acq: 27 Jun 2025 08:23

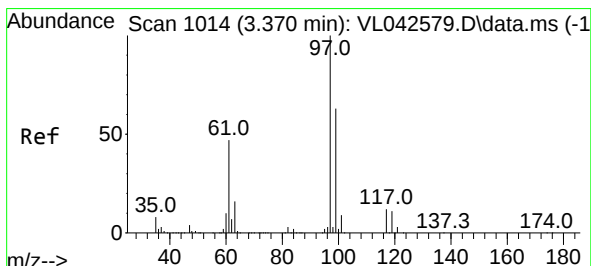
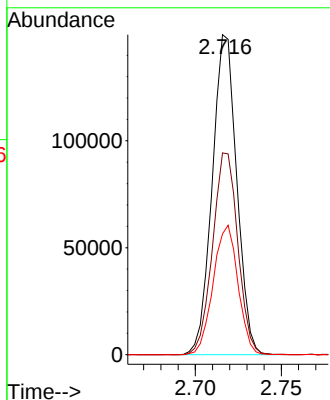
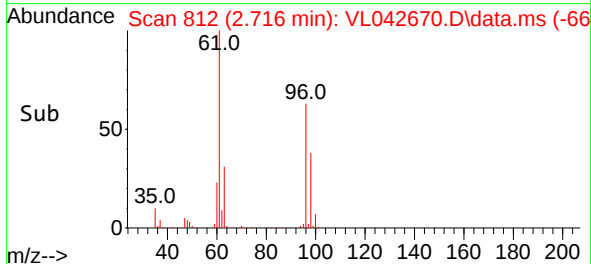
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



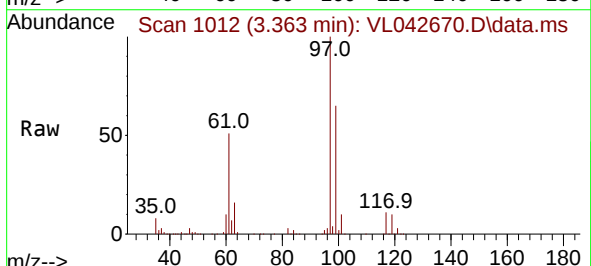
Tgt Ion: 61 Resp: 148610
 Ion Ratio Lower Upper
 61 100
 96 63.1 54.5 81.7
 98 37.8 33.4 50.2

Manual Integrations
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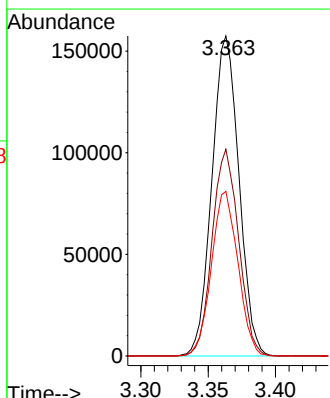
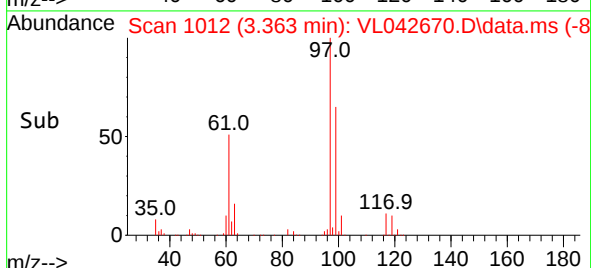
Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025



#32
 1,1,1-Trichloroethane
 Concen: 10.223 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.006 min
 Lab File: VL042670.D
 Acq: 27 Jun 2025 08:23



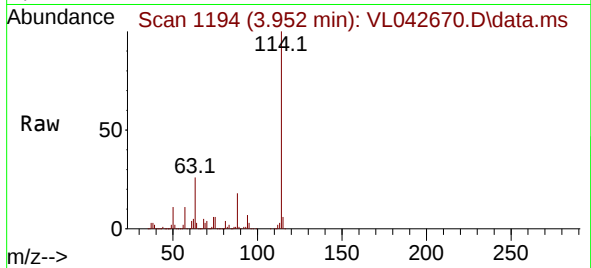
Tgt Ion: 97 Resp: 219811
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.0 76.6
 61 50.5 39.4 59.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.010 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

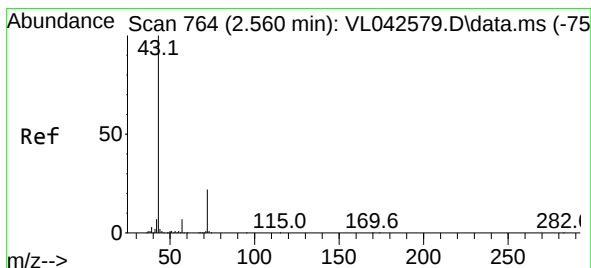
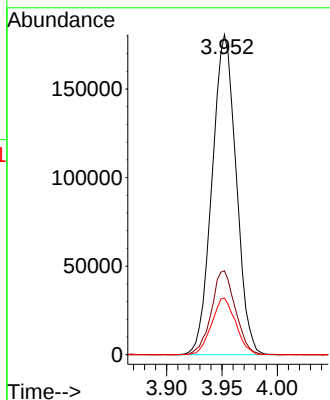
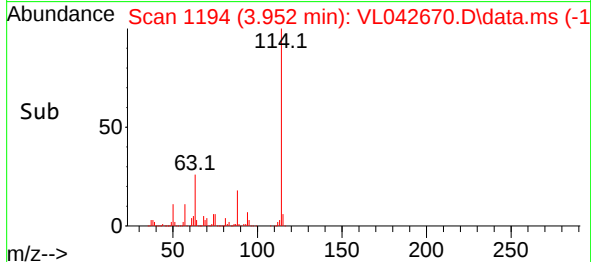
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:114 Resp: 27358
Ion Ratio Lower Upper
114 100
63 26.2 19.0 28.6
88 17.7 13.6 20.4

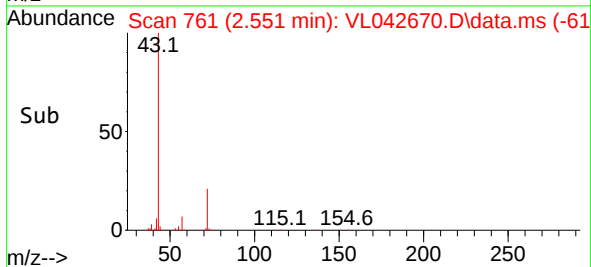
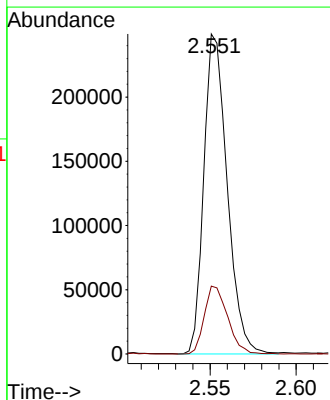
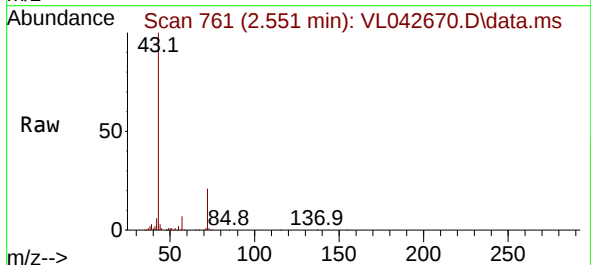
Manual Integrations
APPROVED

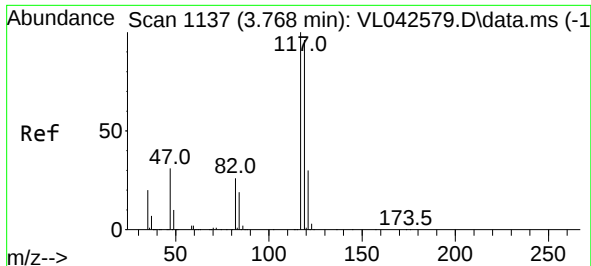
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#34
2-Butanone
Concen: 12.068 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.010 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

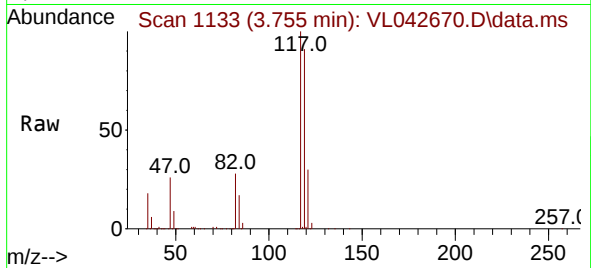
Tgt Ion: 43 Resp: 235446
Ion Ratio Lower Upper
43 100
72 21.1 17.7 26.5





#35
Carbon Tetrachloride
Concen: 12.353 ppbv
RT: 3.755 min Scan# 1133
Delta R.T. -0.013 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

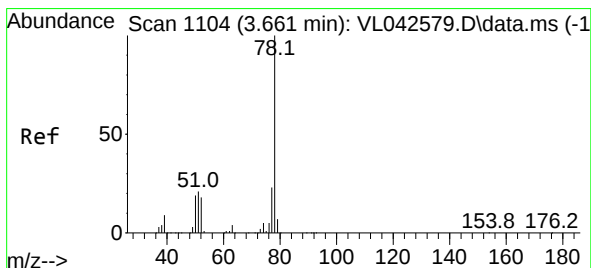
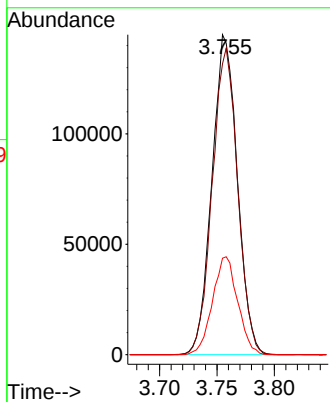
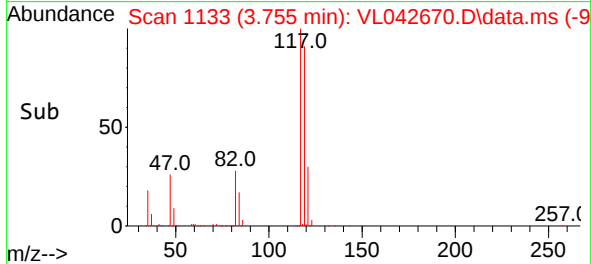
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



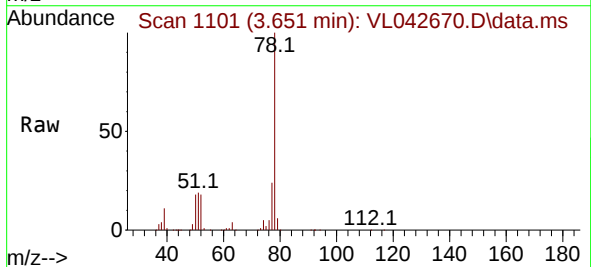
Tgt Ion:117 Resp: 223094
Ion Ratio Lower Upper
117 100
119 90.9 76.8 115.2
121 30.2 24.3 36.5

Manual Integrations
APPROVED

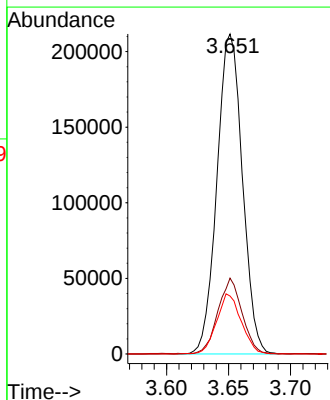
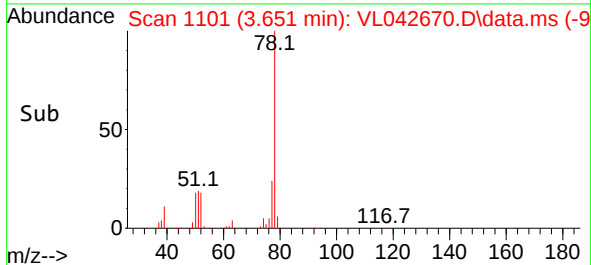
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

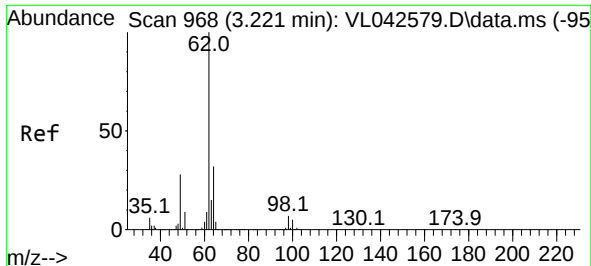


#36
Benzene
Concen: 11.247 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.010 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23



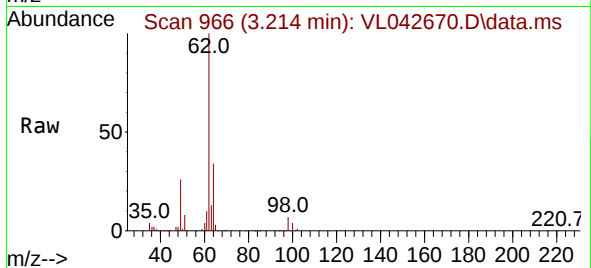
Tgt Ion: 78 Resp: 302997
Ion Ratio Lower Upper
78 100
77 23.6 18.2 27.2
50 18.1 15.2 22.8





#37
1,2-Dichloroethane
Concen: 13.054 ppbv
RT: 3.214 min Scan# 90
Delta R.T. -0.006 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

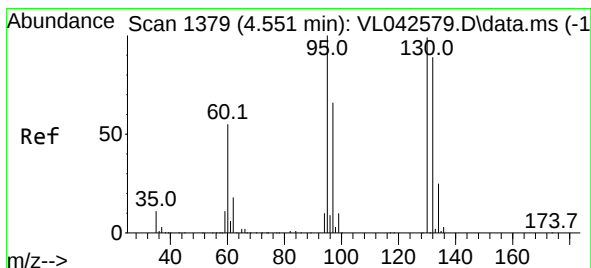
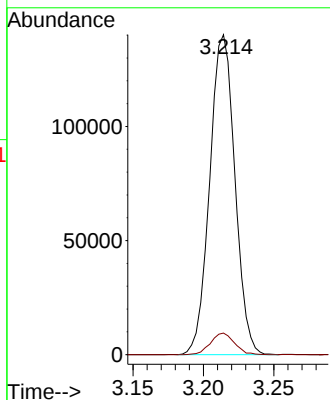
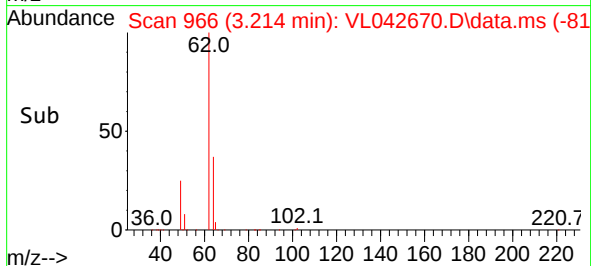
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 62 Resp: 174784
Ion Ratio Lower Upper
62 100
98 6.5 6.1 9.1

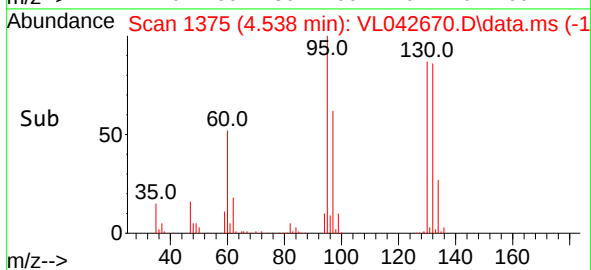
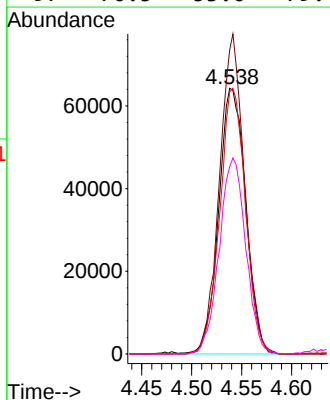
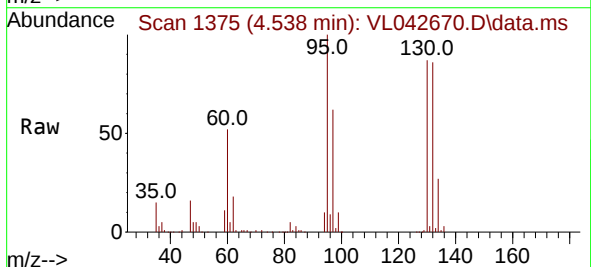
Manual Integrations
APPROVED

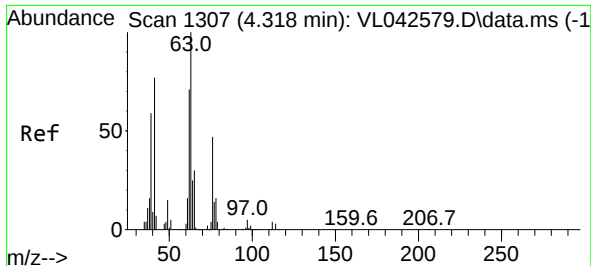
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#38
Trichloroethene
Concen: 10.539 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.013 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

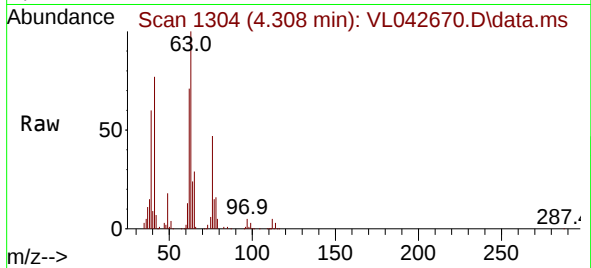
Tgt Ion:130 Resp: 120688
Ion Ratio Lower Upper
130 100
95 114.6 80.6 121.0
132 98.6 71.8 107.6
97 70.5 53.0 79.4





#39
1,2-Dichloropropane
Concen: 11.384 ppbv
RT: 4.308 min Scan# 11342
Delta R.T. -0.010 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

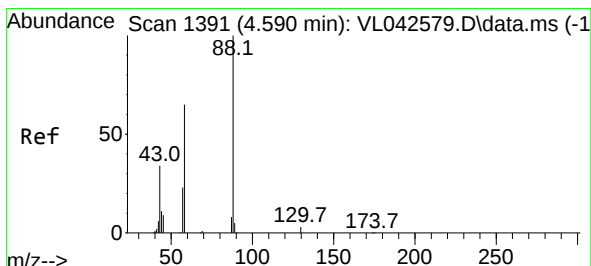
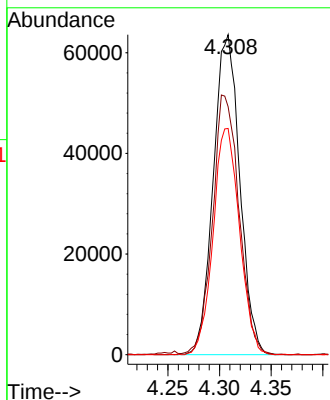
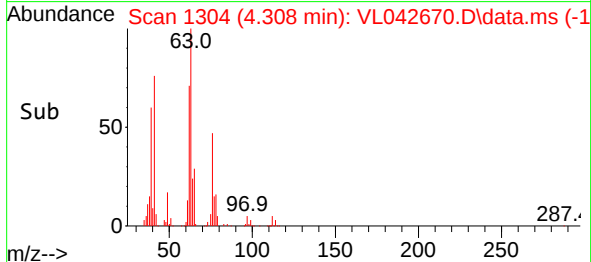
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 63 Resp: 11342
Ion Ratio Lower Upper
63 100
41 77.5 61.8 92.6
62 70.6 56.6 85.0

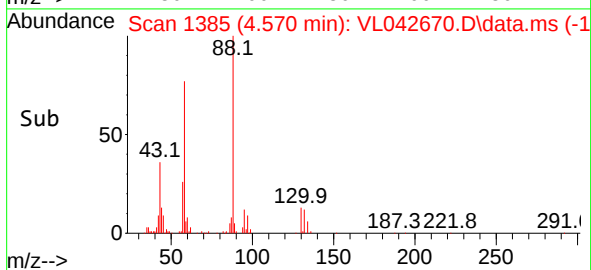
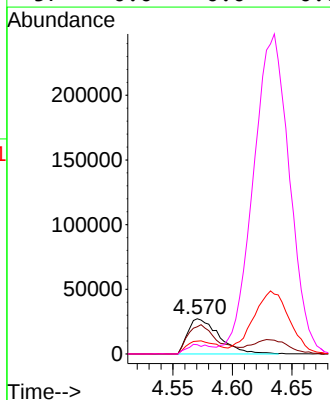
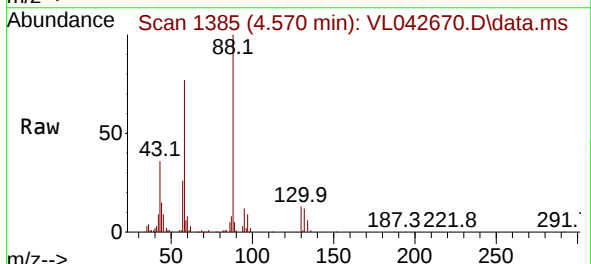
Manual Integrations
APPROVED

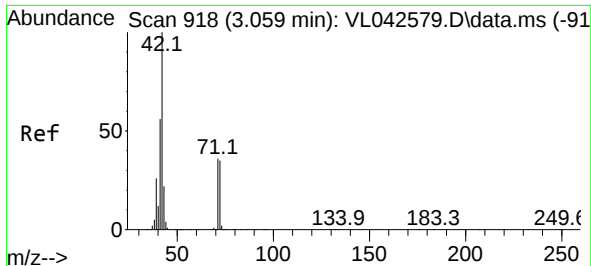
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#40
1,4-Dioxane
Concen: 11.243 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. -0.019 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

Tgt Ion: 88 Resp: 50122
Ion Ratio Lower Upper
88 100
58 75.9 55.8 83.8
43 35.3 24.8 37.2
57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 11.174 ppbv

RT: 3.049 min Scan# 918

Delta R.T. -0.010 min

Lab File: VL042670.D

Acq: 27 Jun 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 42 Resp: 12761

Ion Ratio Lower Upper

42 100

72 36.0 28.9 43.3

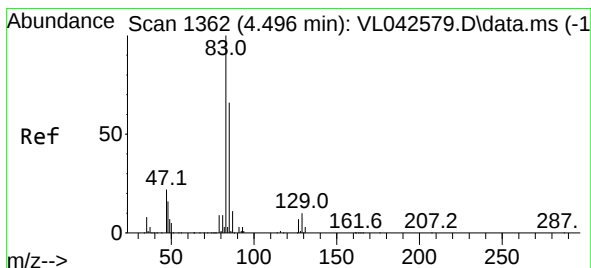
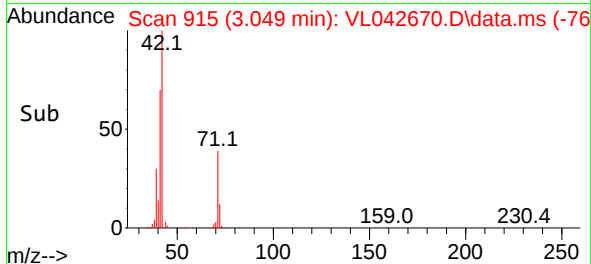
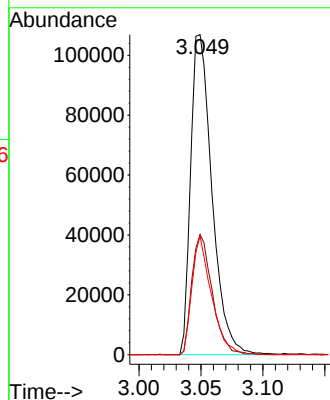
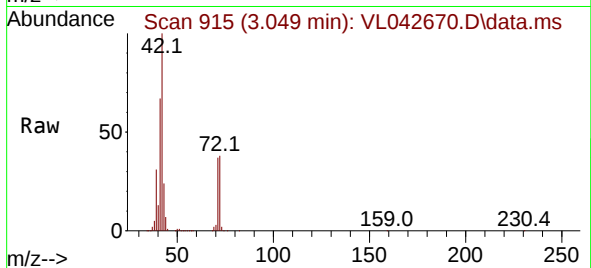
71 33.7 28.5 42.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/30/2025

Supervised By :Mahesh Dadoda 06/30/2025



#42

Bromodichloromethane

Concen: 12.784 ppbv

RT: 4.480 min Scan# 1357

Delta R.T. -0.016 min

Lab File: VL042670.D

Acq: 27 Jun 2025 08:23

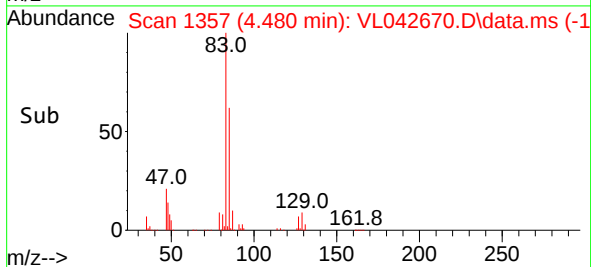
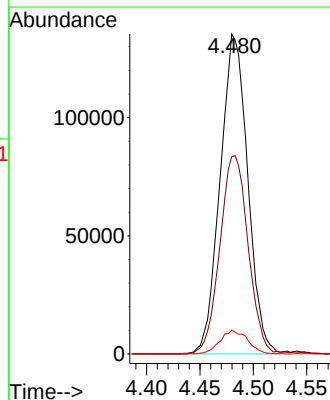
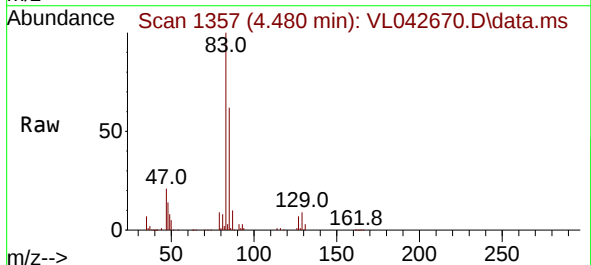
Tgt Ion: 83 Resp: 243110

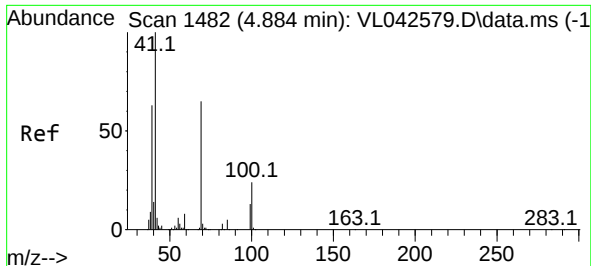
Ion Ratio Lower Upper

83 100

85 61.6 52.7 79.1

127 7.5 5.8 8.6





#43

Methyl Methacrylate

Concen: 10.744 ppbv

RT: 4.871 min Scan# 1482

Delta R.T. -0.013 min

Lab File: VL042670.D

Acq: 27 Jun 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 69 Resp: 112348

Ion Ratio Lower Upper

69 100

41 154.6 124.6 187.0

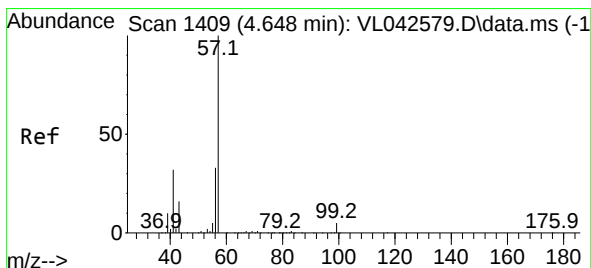
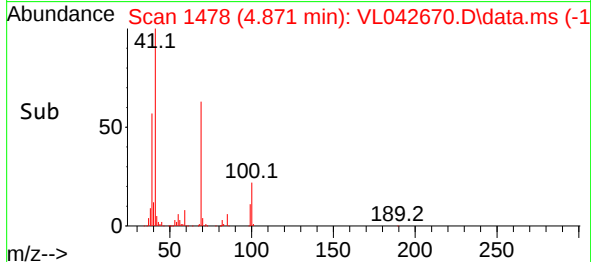
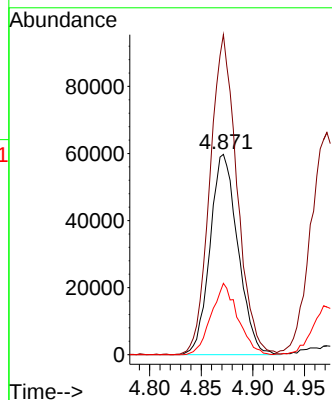
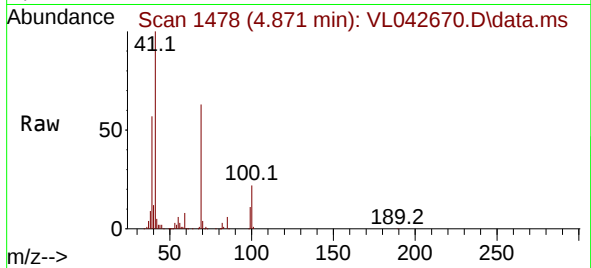
100 34.0 29.9 44.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025

Supervised By :Mahesh Dadoda 06/30/2025



#44

2,2,4-Trimethylpentane

Concen: 11.382 ppbv

RT: 4.635 min Scan# 1405

Delta R.T. -0.013 min

Lab File: VL042670.D

Acq: 27 Jun 2025 08:23

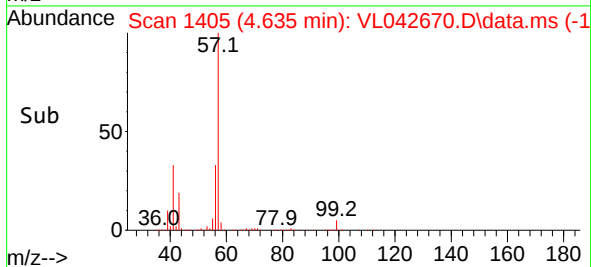
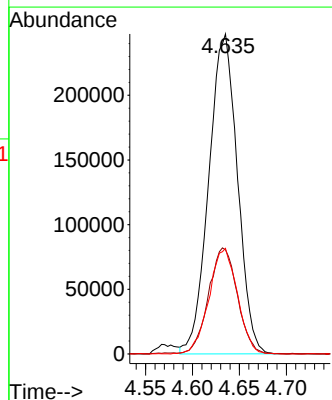
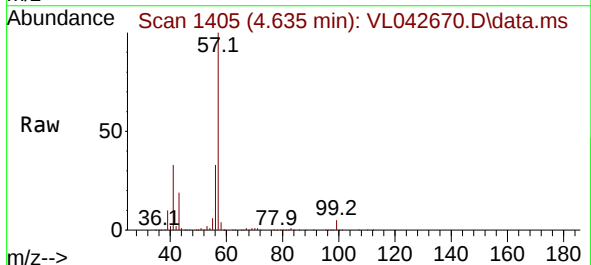
Tgt Ion: 57 Resp: 524538

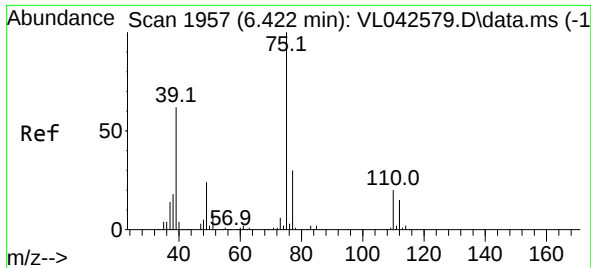
Ion Ratio Lower Upper

57 100

41 33.8 26.1 39.1

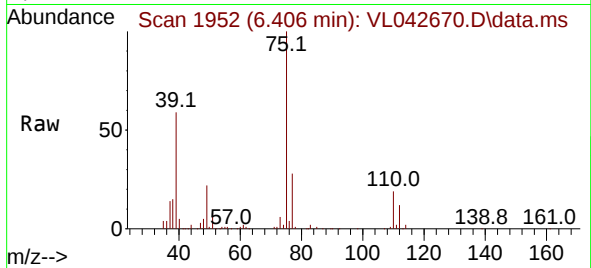
56 32.8 25.9 38.9





#45
 t-1,3-Dichloropropene
 Concen: 10.819 ppbv
 RT: 6.406 min Scan# 1957
 Delta R.T. -0.016 min
 Lab File: VL042670.D
 Acq: 27 Jun 2025 08:23

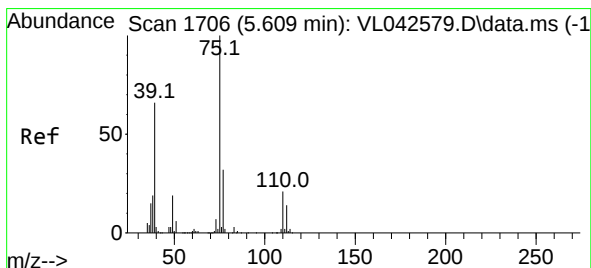
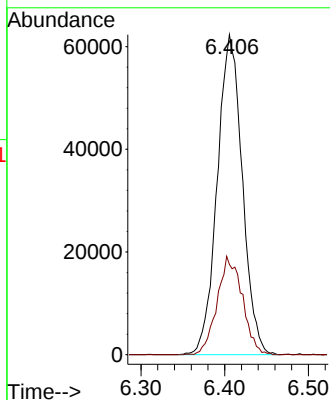
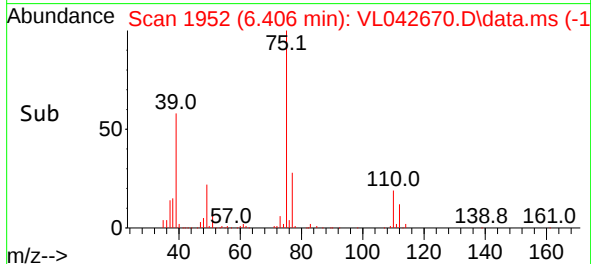
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 75 Resp: 129456
 Ion Ratio Lower Upper
 75 100
 77 28.2 24.2 36.2

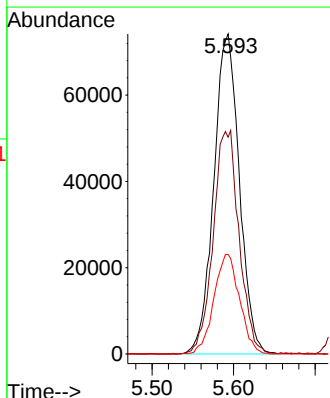
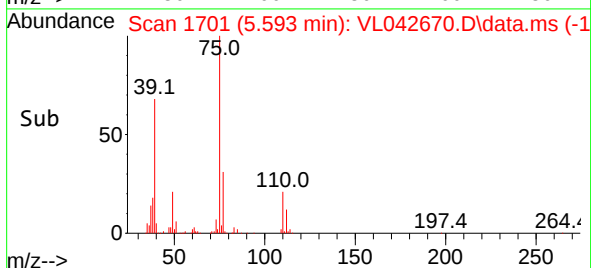
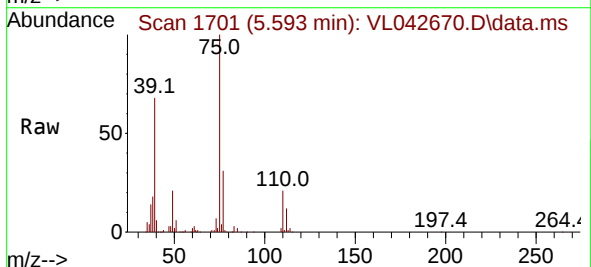
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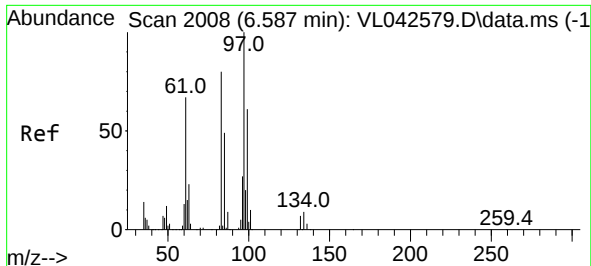
Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025



#46
 cis-1,3-Dichloropropene
 Concen: 10.809 ppbv
 RT: 5.593 min Scan# 1701
 Delta R.T. -0.016 min
 Lab File: VL042670.D
 Acq: 27 Jun 2025 08:23

Tgt Ion: 75 Resp: 162066
 Ion Ratio Lower Upper
 75 100
 39 67.7 52.7 79.1
 77 31.1 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 11.589 ppbv

RT: 6.571 min Scan# 2003

Delta R.T. -0.016 min

Lab File: VL042670.D

Acq: 27 Jun 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 11951

Ion Ratio Lower Upper

97 100

83 82.1 63.9 95.9

85 53.6 39.2 58.8

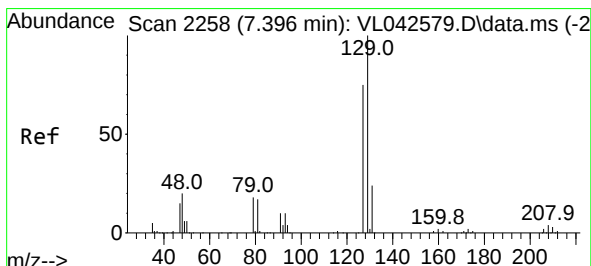
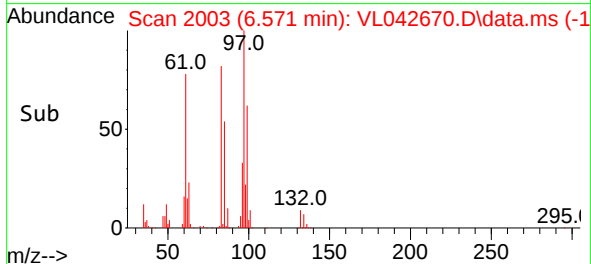
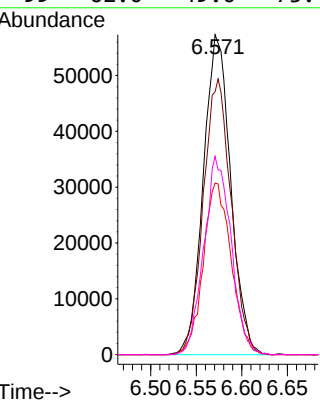
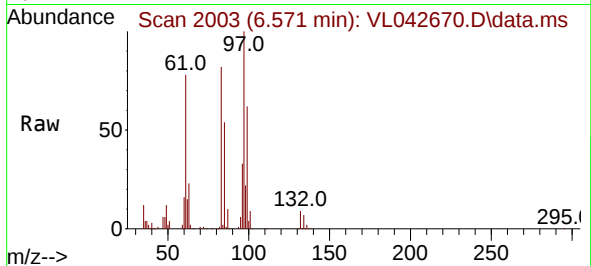
99 62.0 49.0 73.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/30/2025

Supervised By :Mahesh Dadoda 06/30/2025



#48

Dibromochloromethane

Concen: 11.701 ppbv

RT: 7.380 min Scan# 2253

Delta R.T. -0.016 min

Lab File: VL042670.D

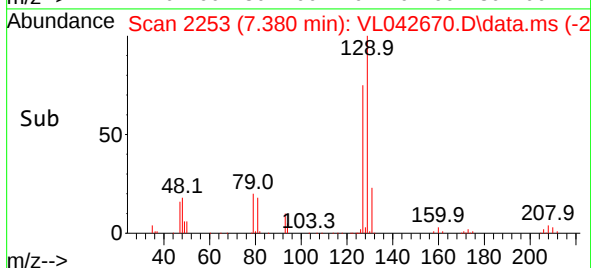
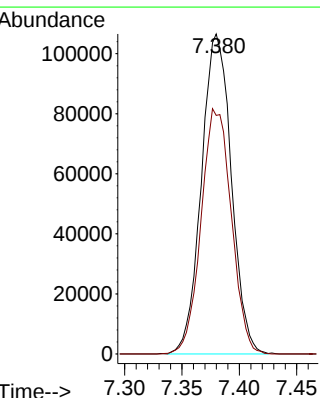
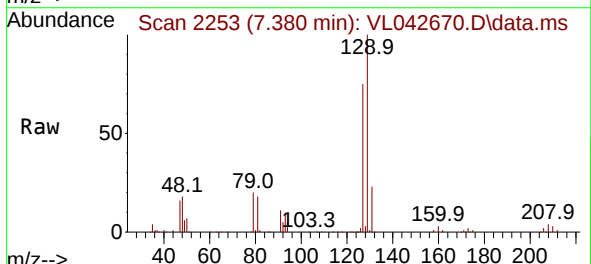
Acq: 27 Jun 2025 08:23

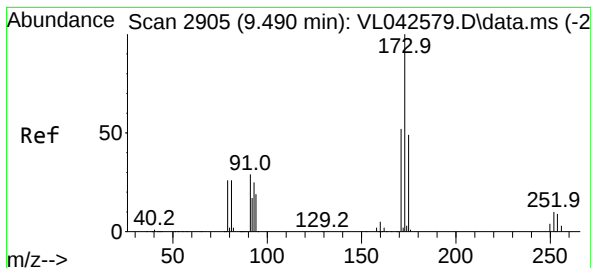
Tgt Ion:129 Resp: 193186

Ion Ratio Lower Upper

129 100

127 77.5 39.0 116.9





#49

Bromoform

Concen: 11.914 ppbv

RT: 9.480 min Scan# 2905

Delta R.T. -0.010 min

Lab File: VL042670.D

Acq: 27 Jun 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :

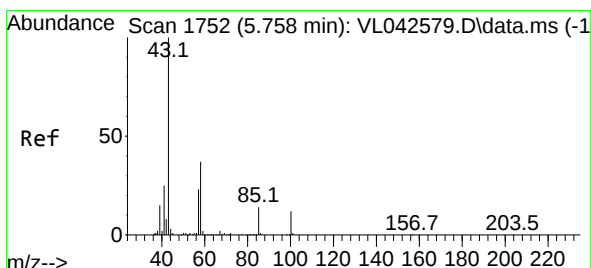
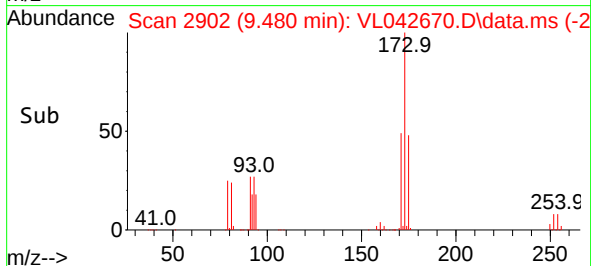
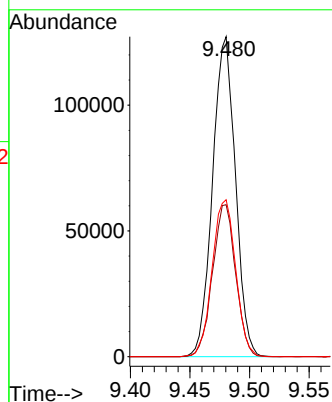
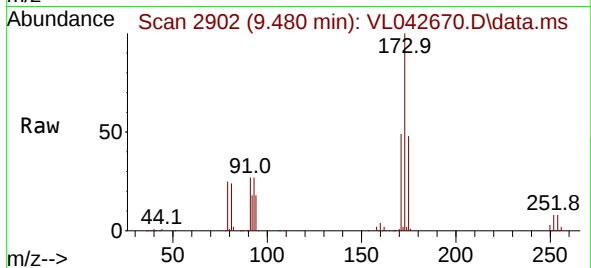
VSTDCCC010

Tgt Ion:173 Resp: 169715
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.7 58.1
 171 50.5 41.2 61.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025



#50

4-Methyl-2-Pentanone

Concen: 11.445 ppbv

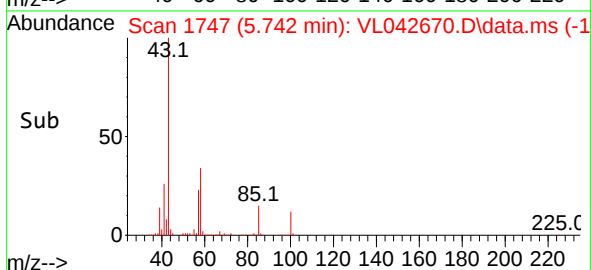
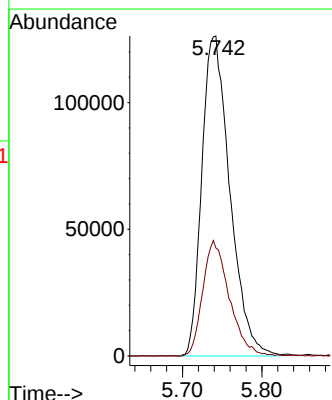
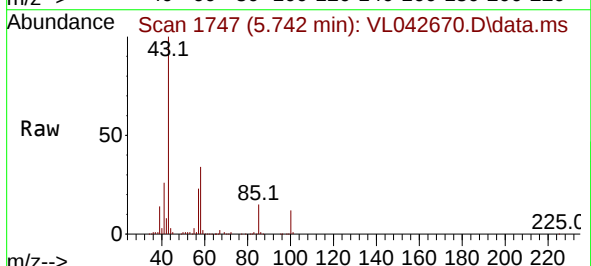
RT: 5.742 min Scan# 1747

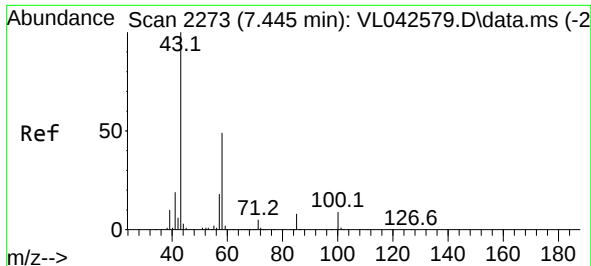
Delta R.T. -0.016 min

Lab File: VL042670.D

Acq: 27 Jun 2025 08:23

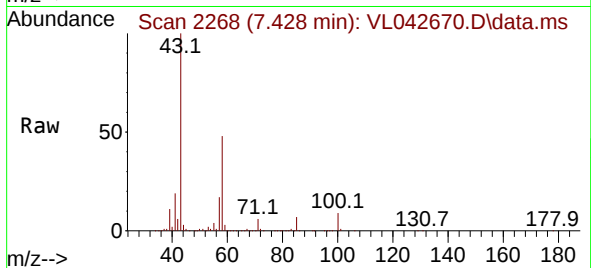
Tgt Ion: 43 Resp: 309715
 Ion Ratio Lower Upper
 43 100
 58 34.3 28.3 42.5





#51
2-Hexanone
Concen: 11.404 ppbv
RT: 7.428 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

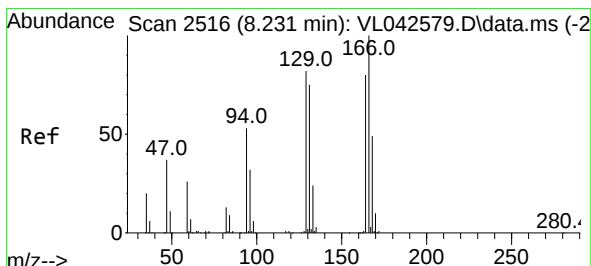
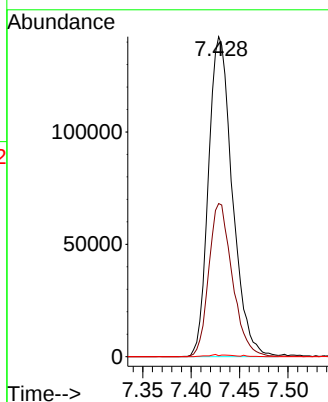
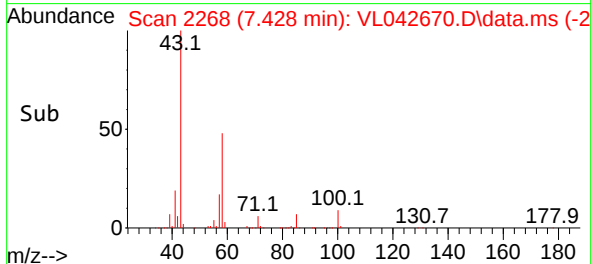
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 244750
Ion Ratio Lower Upper
43 100
58 47.3 39.9 59.9
98 0.7 0.1 0.1

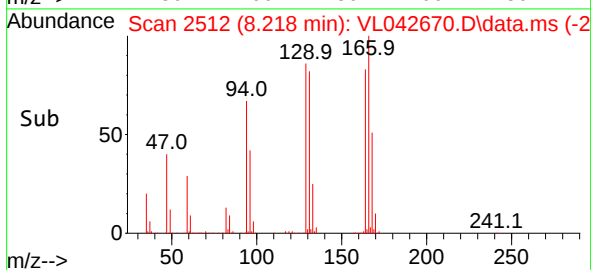
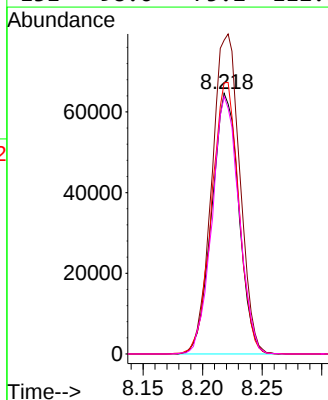
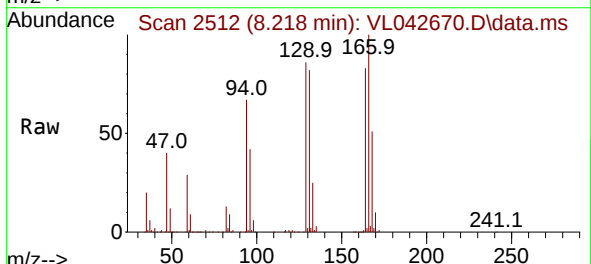
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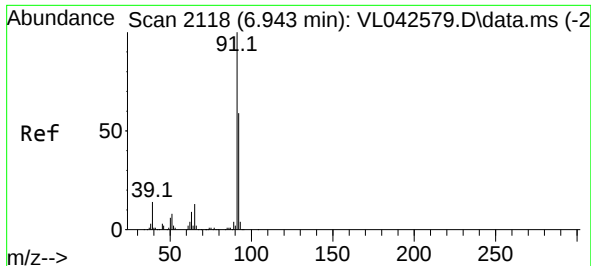
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#52
Tetrachloroethene
Concen: 10.134 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.013 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

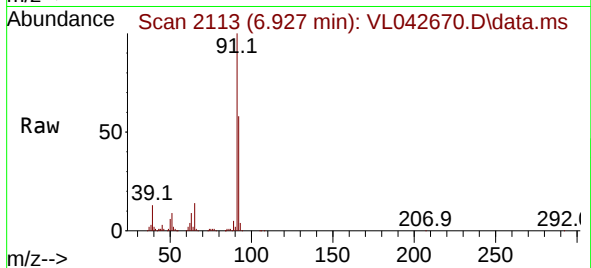
Tgt Ion:164 Resp: 102020
Ion Ratio Lower Upper
164 100
166 120.4 100.0 150.0
129 103.9 82.2 123.4
131 98.6 75.2 112.8





#53
Toluene
Concen: 10.605 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. -0.016 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

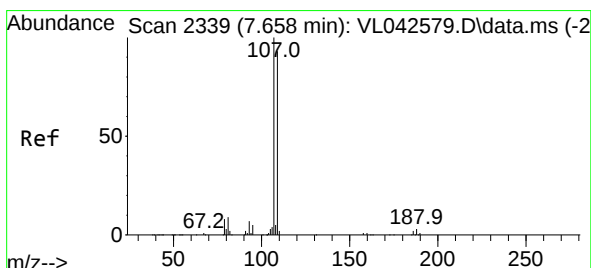
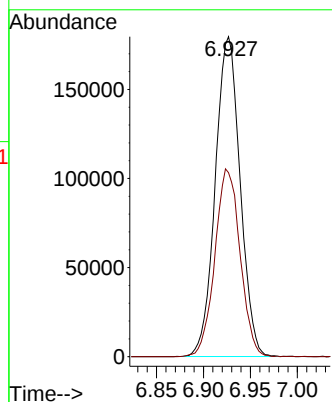
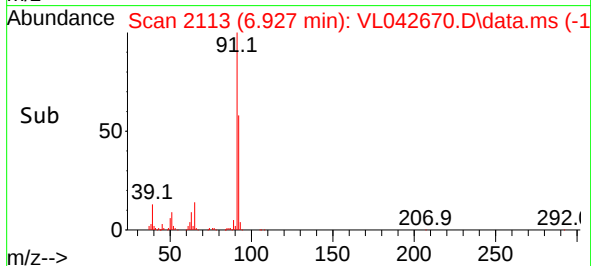
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



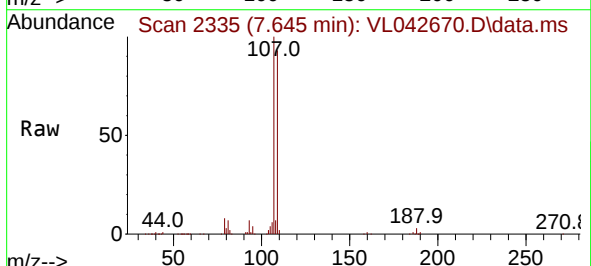
Tgt Ion: 91 Resp: 33020
Ion Ratio Lower Upper
91 100
92 59.5 48.2 72.4

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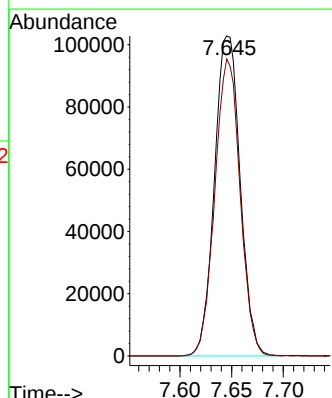
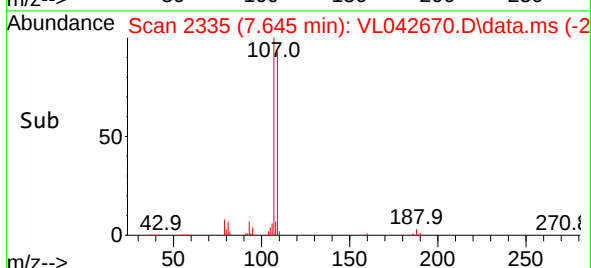
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

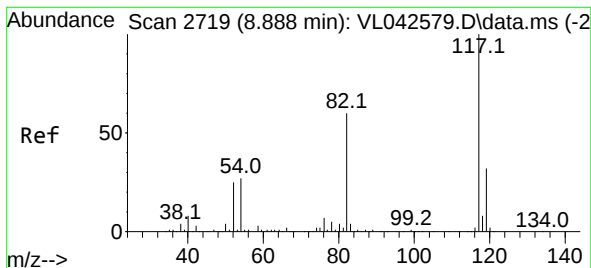


#54
1,2-Dibromoethane
Concen: 11.670 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.013 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23



Tgt Ion:107 Resp: 178150
Ion Ratio Lower Upper
107 100
109 92.8 74.3 111.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 21

Delta R.T. -0.013 min

Lab File: VL042670.D

Acq: 27 Jun 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :

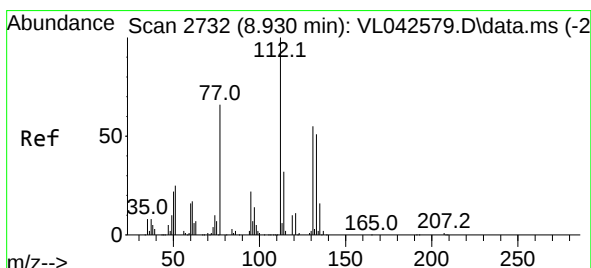
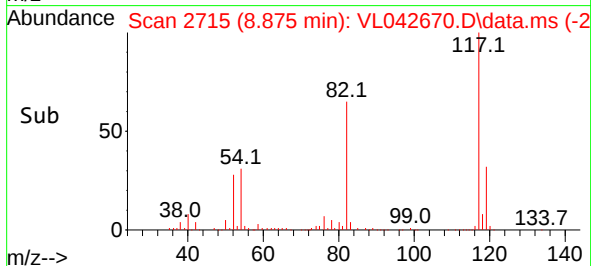
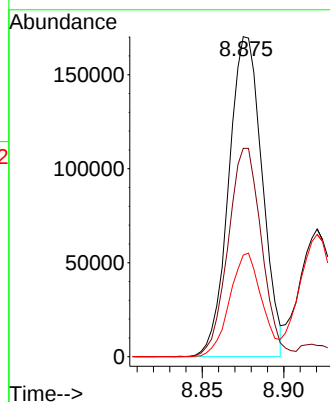
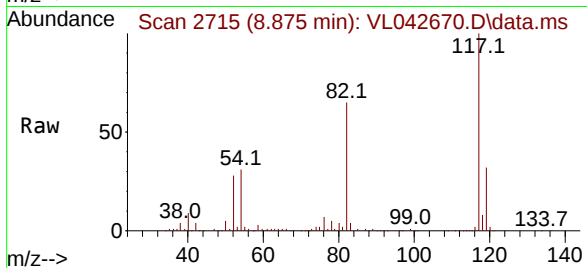
VSTDCCC010

Tgt Ion:117 Resp: 24254
 Ion Ratio Lower Upper
 117 100
 82 69.1 51.2 76.8
 119 32.5 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 12.229 ppbv

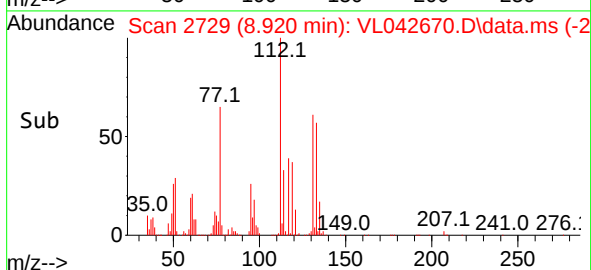
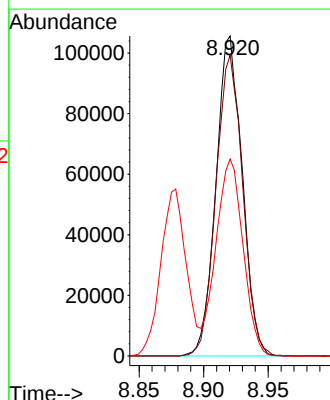
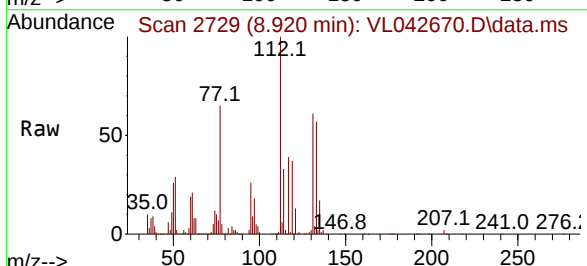
RT: 8.920 min Scan# 2729

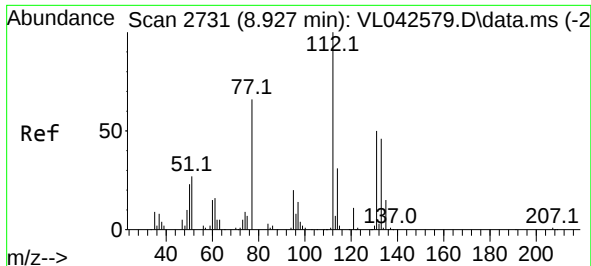
Delta R.T. -0.010 min

Lab File: VL042670.D

Acq: 27 Jun 2025 08:23

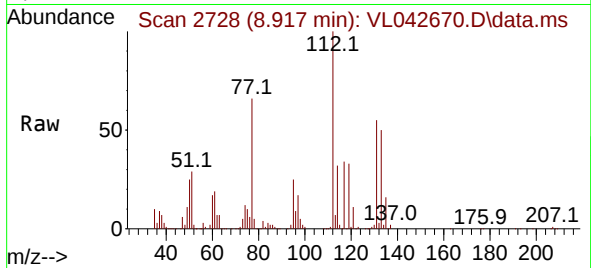
Tgt Ion:131 Resp: 149145
 Ion Ratio Lower Upper
 131 100
 133 95.7 75.0 112.6
 119 64.6 50.8 76.2





#57
Chlorobenzene
Concen: 11.243 ppbv
RT: 8.917 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

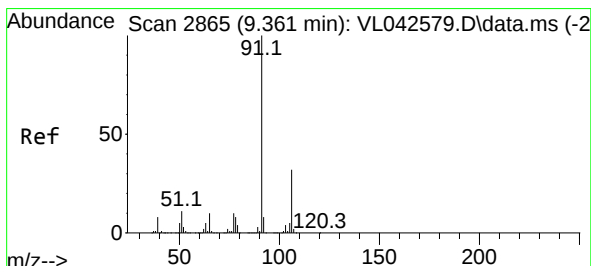
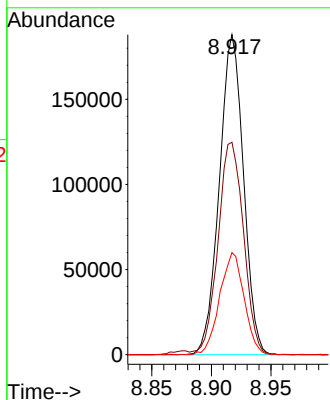
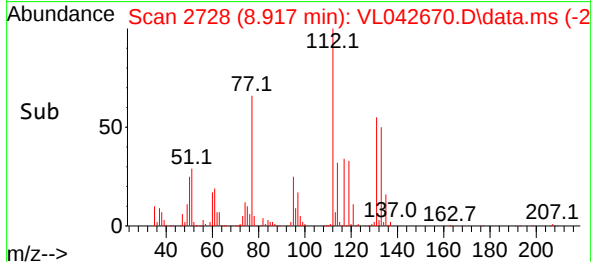
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:112 Resp: 264774
Ion Ratio Lower Upper
112 100
77 66.3 53.5 80.3
114 31.9 27.8 34.0

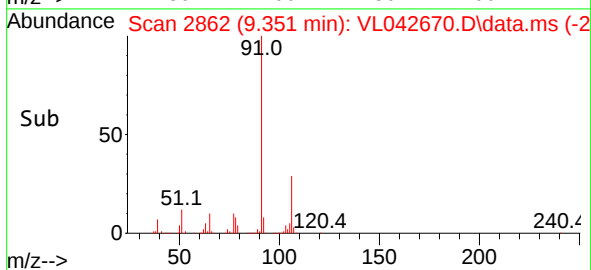
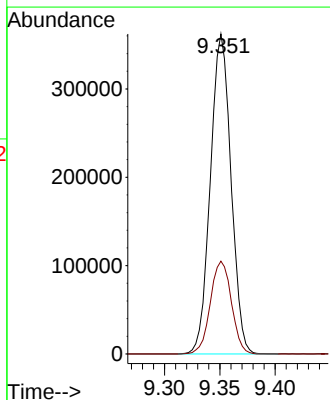
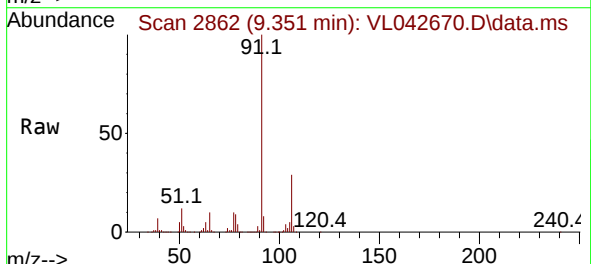
Manual Integrations
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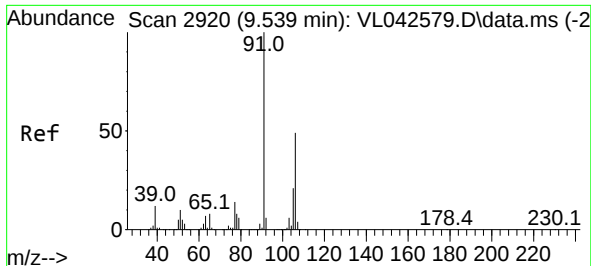
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#58
Ethyl Benzene
Concen: 11.393 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.010 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

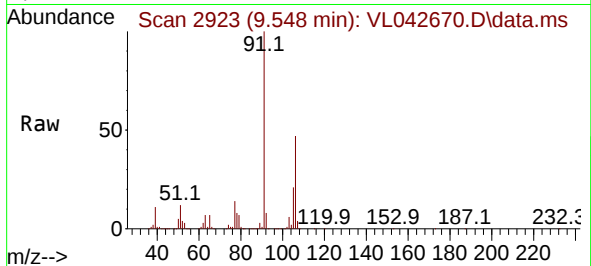
Tgt Ion: 91 Resp: 468721
Ion Ratio Lower Upper
91 100
106 29.0 25.9 38.9





#59
m/p-Xylene
Concen: 23.805 ppbv m
RT: 9.548 min Scan# 2920
Delta R.T. 0.010 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

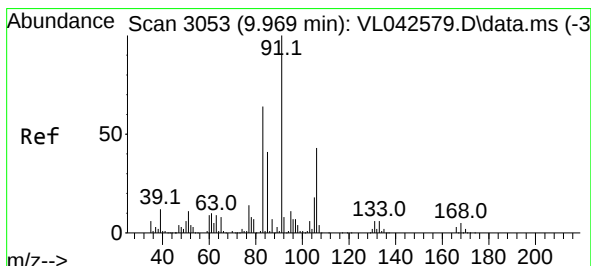
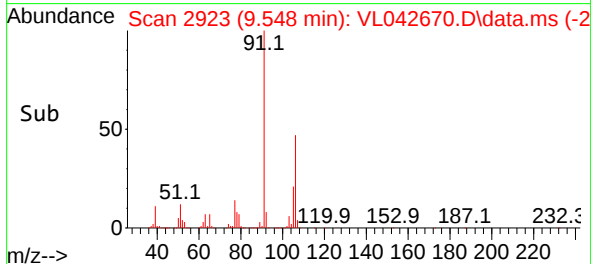
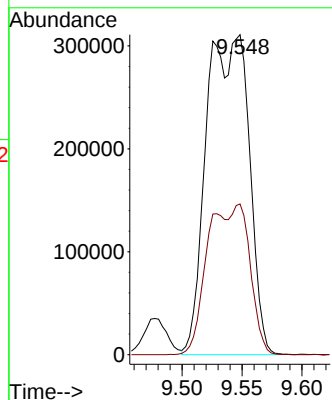
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 91 Resp: 770704
Ion Ratio Lower Upper
91 100
106 0.0 38.8 58.2

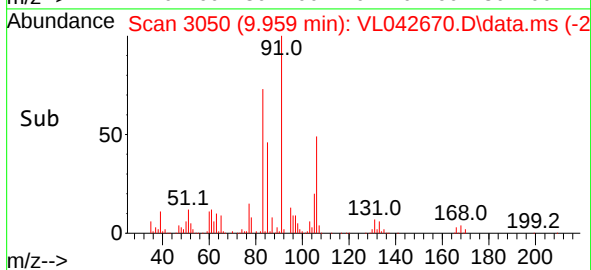
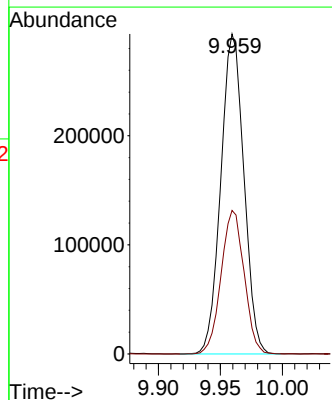
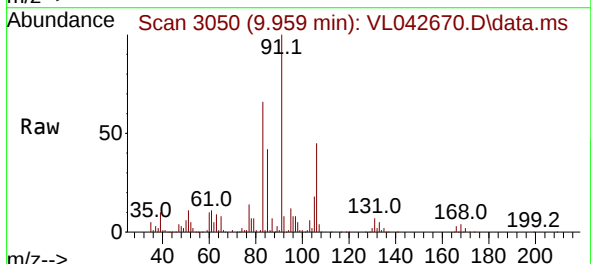
Manual Integrations
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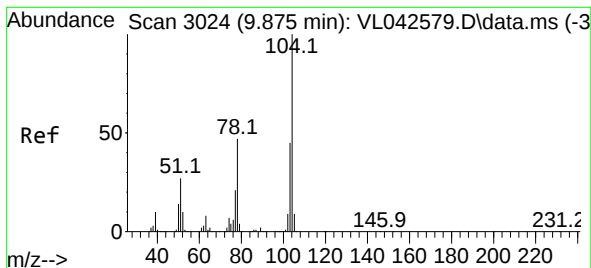
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#60
o-Xylene
Concen: 11.807 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.010 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

Tgt Ion: 91 Resp: 381262
Ion Ratio Lower Upper
91 100
106 44.7 22.9 68.5





#61

Styrene

Concen: 10.384 ppbv

RT: 9.866 min Scan# 3024

Delta R.T. -0.010 min

Lab File: VL042670.D

Acq: 27 Jun 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :

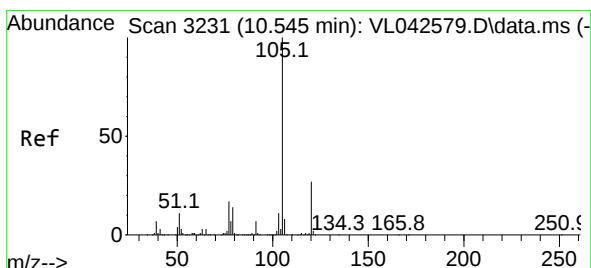
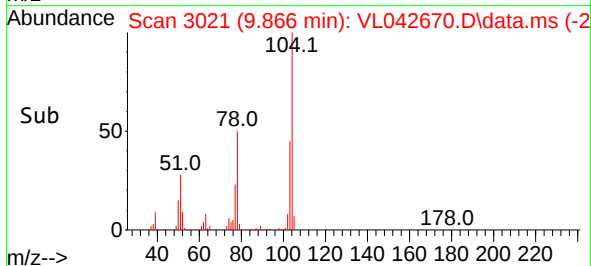
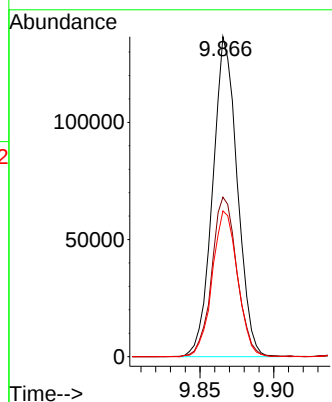
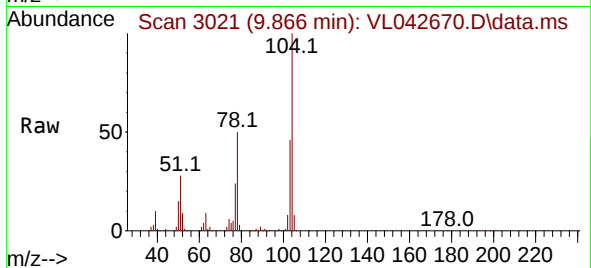
VSTDCCC010

Tgt Ion:104 Resp: 158538
 Ion Ratio Lower Upper
 104 100
 78 51.1 38.2 57.4
 103 46.9 36.7 55.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025



#62

Isopropylbenzene

Concen: 11.542 ppbv

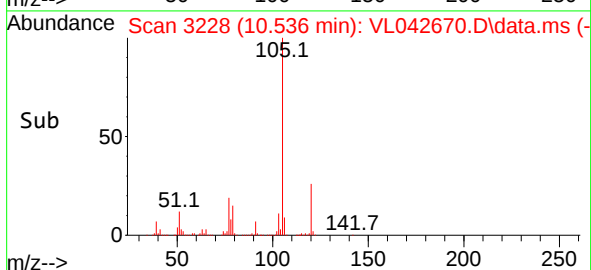
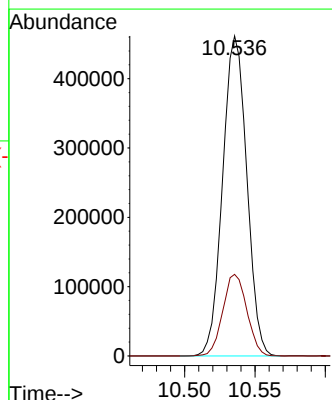
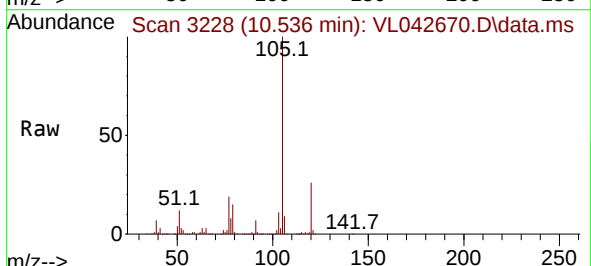
RT: 10.536 min Scan# 3228

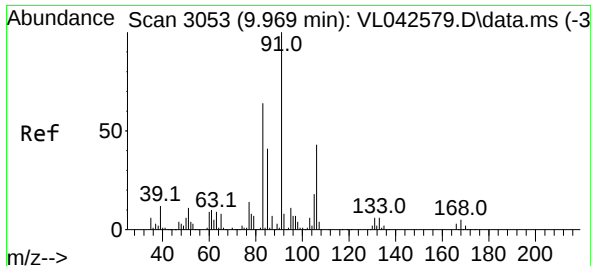
Delta R.T. -0.010 min

Lab File: VL042670.D

Acq: 27 Jun 2025 08:23

Tgt Ion:105 Resp: 550612
 Ion Ratio Lower Upper
 105 100
 120 25.4 20.9 31.3





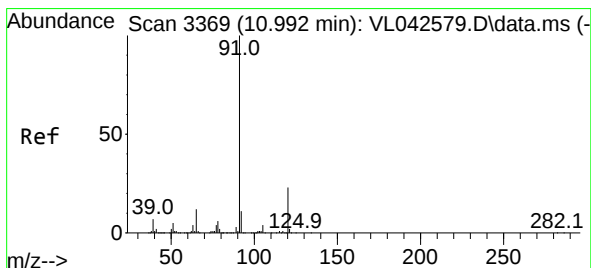
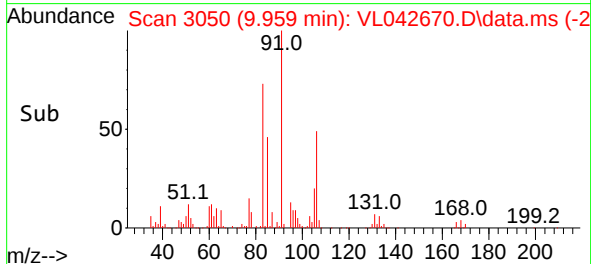
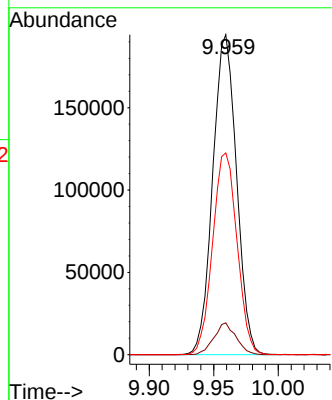
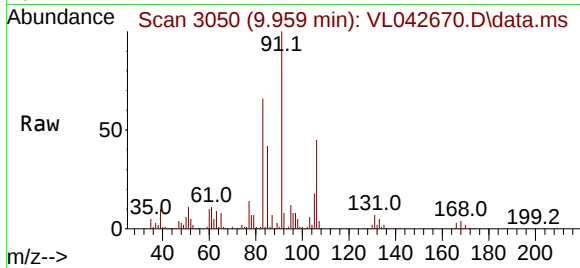
#63
1,1,2,2-Tetrachloroethane
Concen: 12.123 ppbv
RT: 9.959 min Scan# 3053
Delta R.T. -0.010 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 248912
Ion Ratio Lower Upper
83 100
131 9.2 4.8 14.4
85 64.7 32.5 97.4

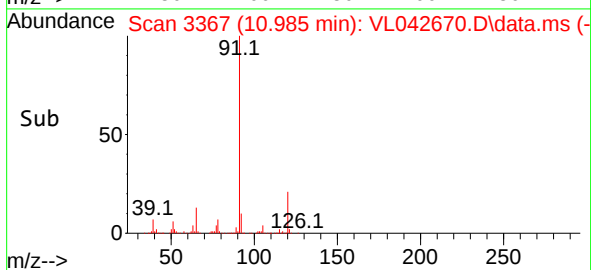
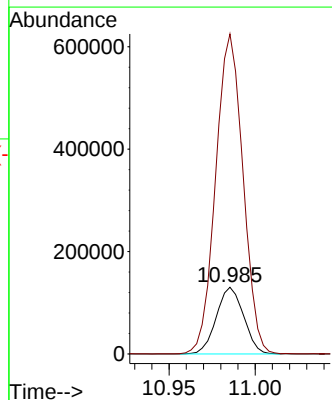
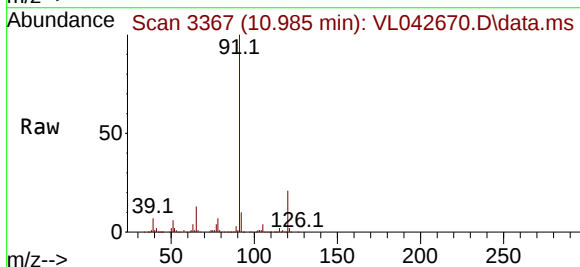
Manual Integrations
APPROVED

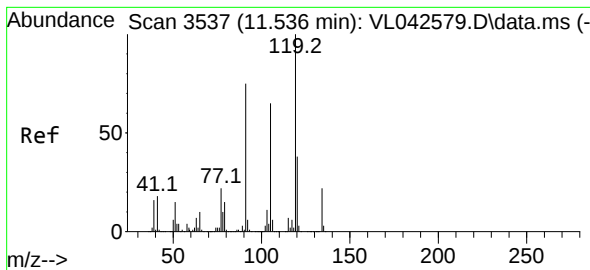
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#64
n-propylbenzene
Concen: 11.235 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.006 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

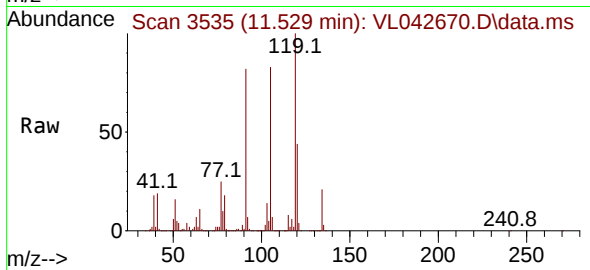
Tgt Ion:120 Resp: 143667
Ion Ratio Lower Upper
120 100
91 482.1 363.0 544.6





#65
tert-Butylbenzene
Concen: 11.140 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.006 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

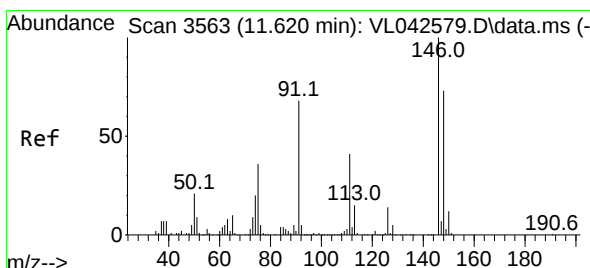
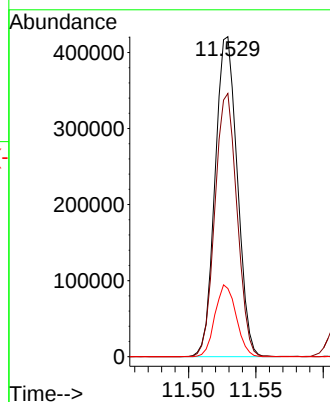
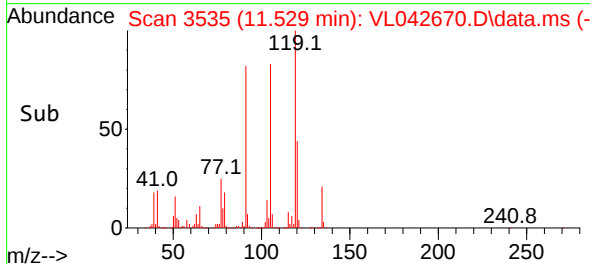
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



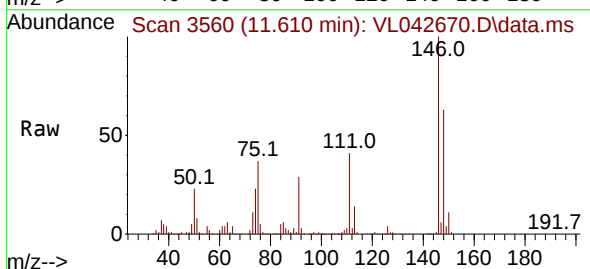
Tgt Ion:119 Resp: 482264
Ion Ratio Lower Upper
119 100
91 81.8 61.1 91.7
134 21.5 17.4 26.2

Manual Integrations
APPROVED

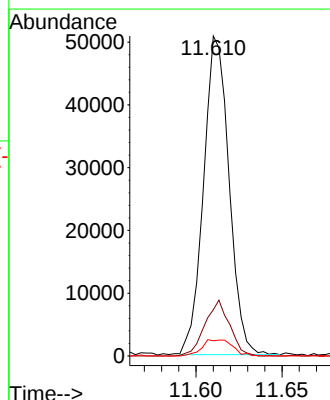
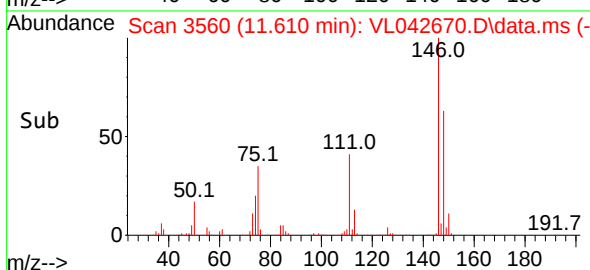
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

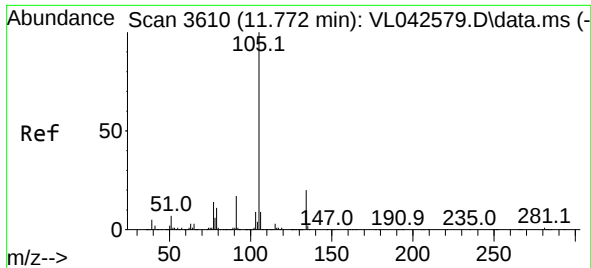


#66
Benzyl Chloride
Concen: 9.396 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.010 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23



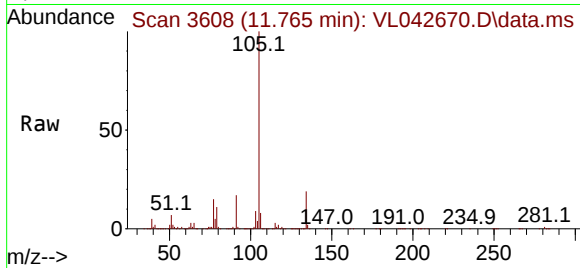
Tgt Ion: 91 Resp: 52359
Ion Ratio Lower Upper
91 100
126 16.9 15.1 22.7
128 6.1 5.0 7.6





#67
 sec-Butylbenzene
 Concen: 11.538 ppbv
 RT: 11.765 min Scan# 3177
 Delta R.T. -0.006 min
 Lab File: VL042670.D
 Acq: 27 Jun 2025 08:23

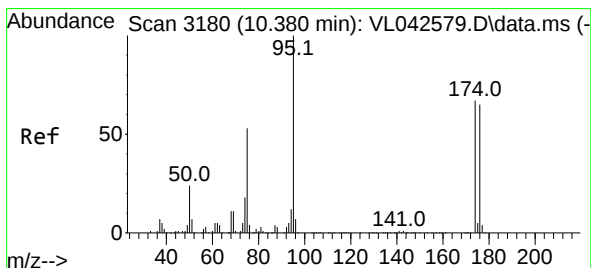
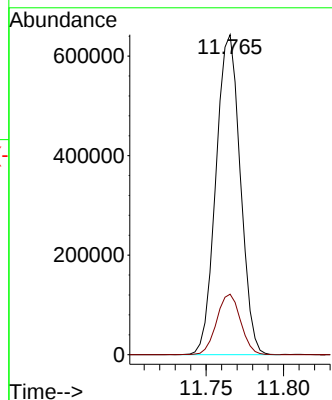
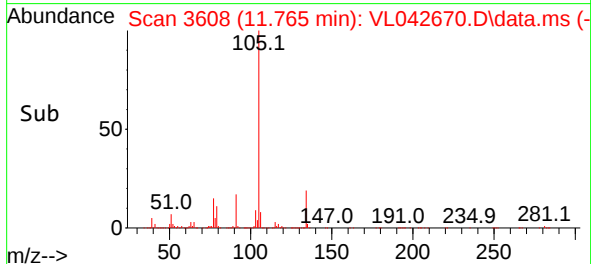
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



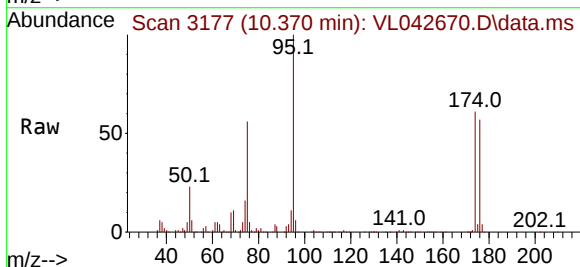
Tgt Ion:105 Resp: 70223
 Ion Ratio Lower Upper
 105 100
 134 18.6 15.8 23.6

Manual Integrations
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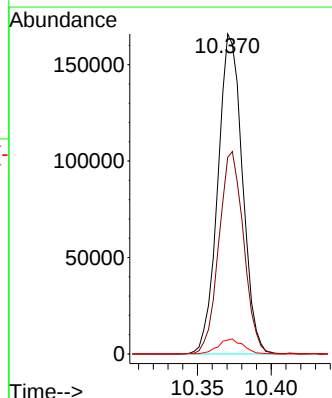
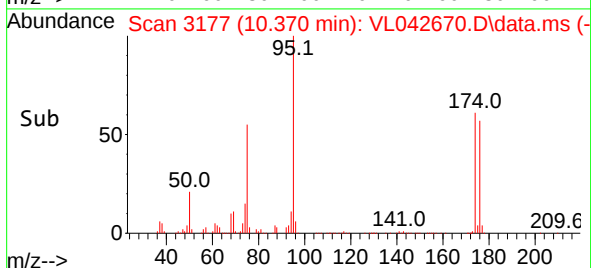
Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025

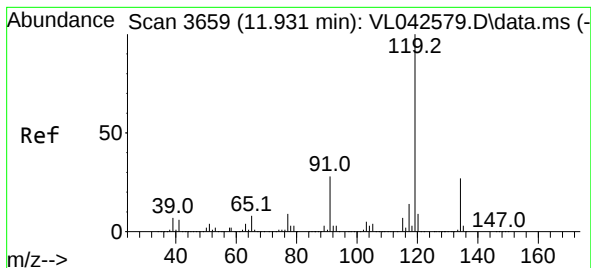


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.568 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. -0.010 min
 Lab File: VL042670.D
 Acq: 27 Jun 2025 08:23



Tgt Ion: 95 Resp: 192139
 Ion Ratio Lower Upper
 95 100
 174 63.9 53.1 79.7
 175 4.8 4.2 6.2





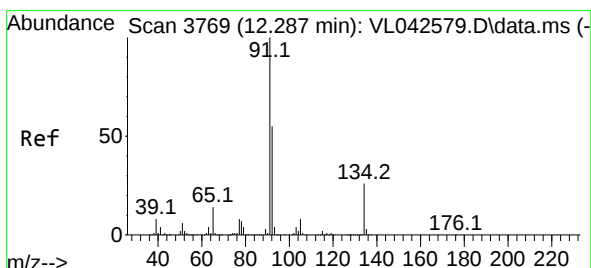
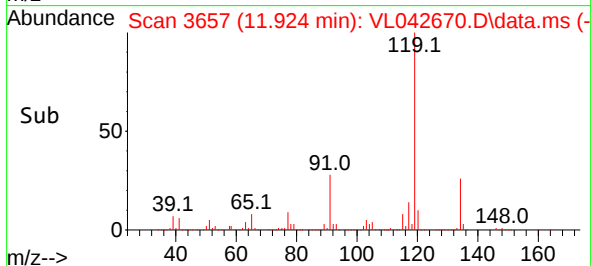
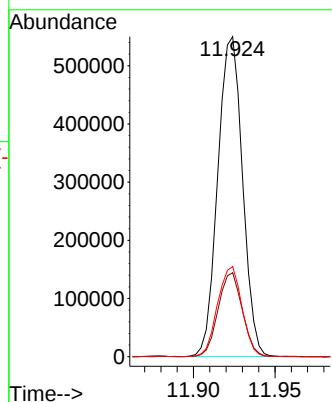
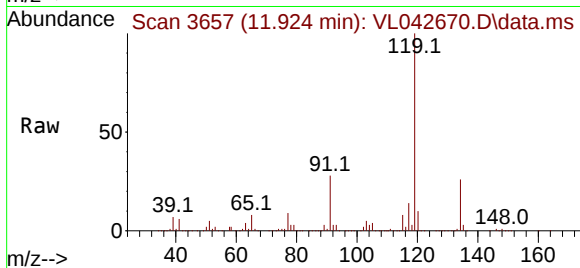
#69
p-Isopropyltoluene
Concen: 11.375 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.006 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 119 Resp: 579788
Ion Ratio Lower Upper
119 100
134 25.7 21.1 31.7
91 27.8 21.9 32.9

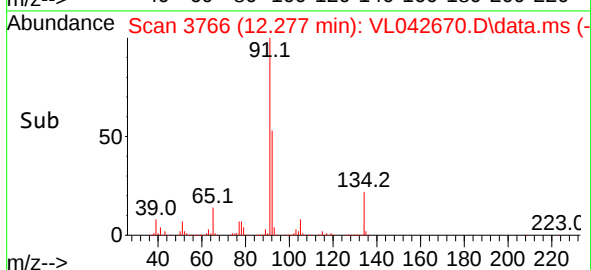
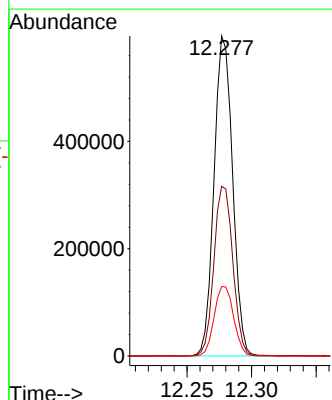
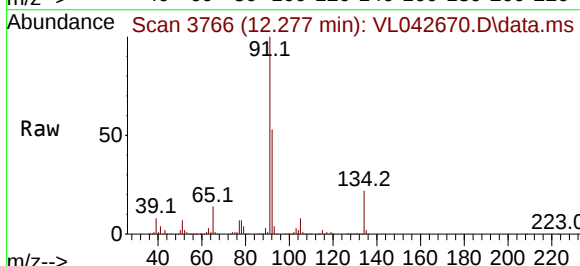
Manual Integrations
APPROVED

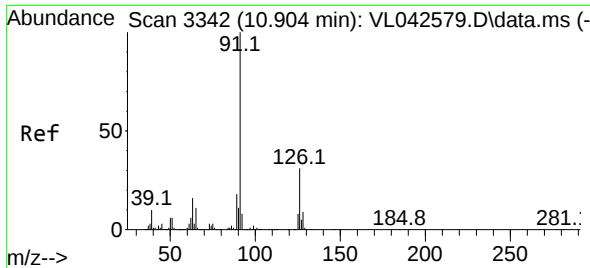
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#70
n-Butylbenzene
Concen: 11.831 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.010 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

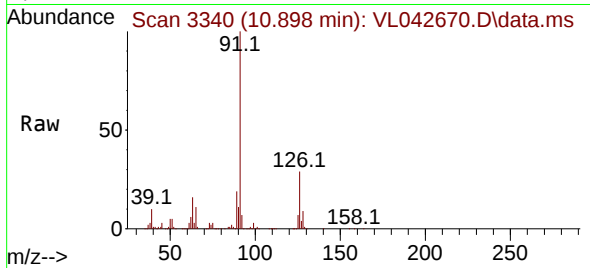
Tgt Ion: 91 Resp: 595234
Ion Ratio Lower Upper
91 100
92 54.0 44.4 66.6
134 22.8 20.1 30.1





#71
2-Chlorotoluene
Concen: 11.656 ppbv
RT: 10.898 min Scan# 311
Delta R.T. -0.006 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

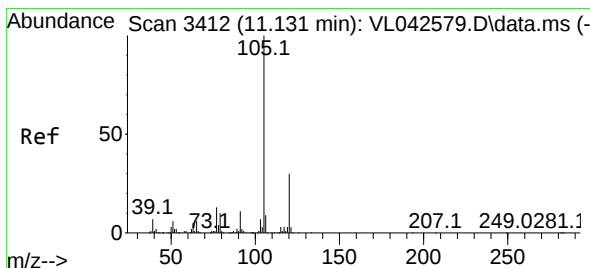
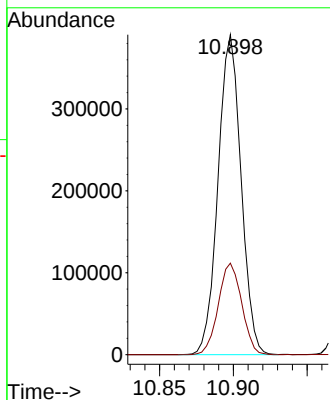
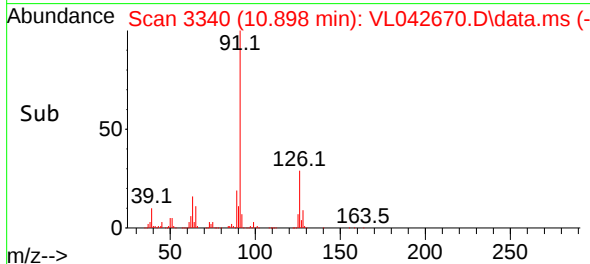
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



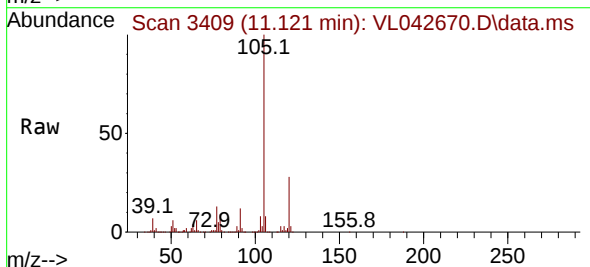
Tgt Ion: 91 Resp: 424145
Ion Ratio Lower Upper
91 100
126 29.0 12.6 50.4

Manual Integrations
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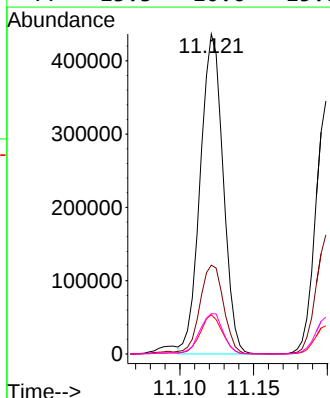
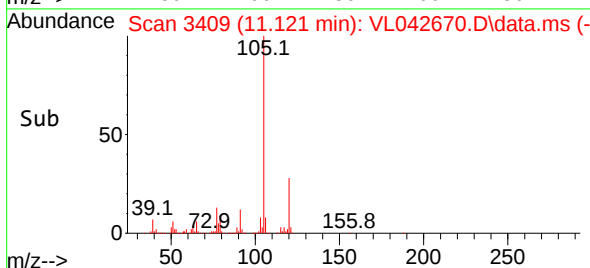
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

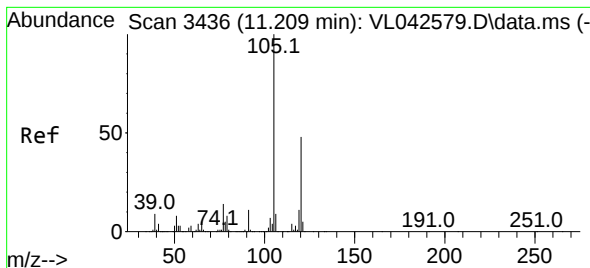


#72
4-Ethyltoluene
Concen: 11.668 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.010 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23



Tgt Ion:105 Resp: 469737
Ion Ratio Lower Upper
105 100
120 29.5 24.6 36.8
91 12.3 9.6 14.4
77 13.3 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 11.681 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. -0.010 min

Lab File: VL042670.D

Acq: 27 Jun 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 389219

Ion Ratio Lower Upper

105 100

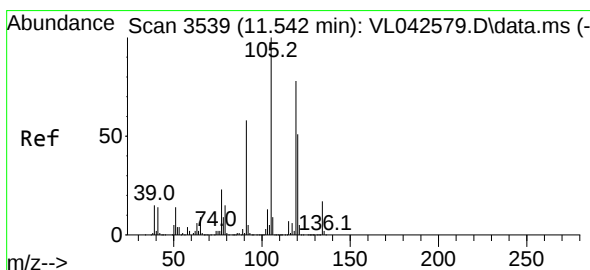
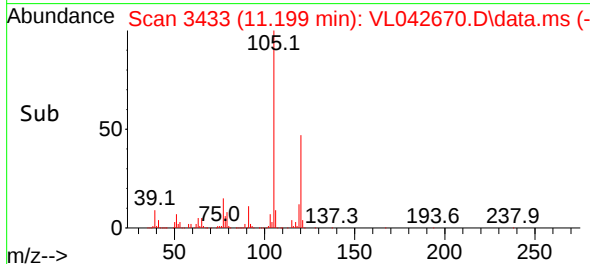
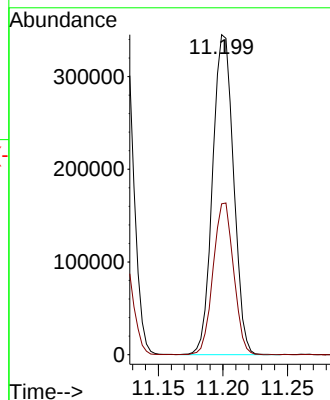
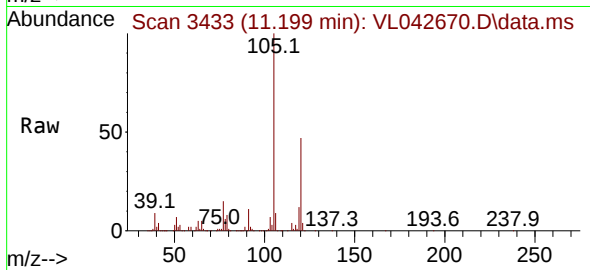
120 47.1 38.8 58.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025

Supervised By :Mahesh Dadoda 06/30/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.711 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.010 min

Lab File: VL042670.D

Acq: 27 Jun 2025 08:23

Tgt Ion:105 Resp: 433019

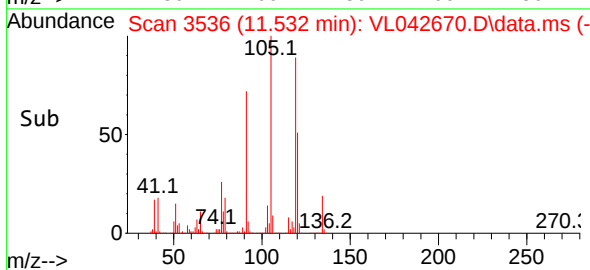
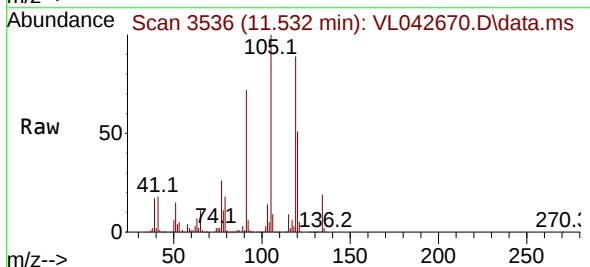
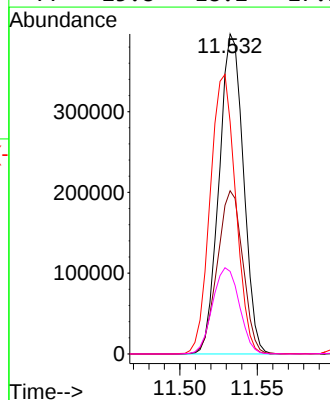
Ion Ratio Lower Upper

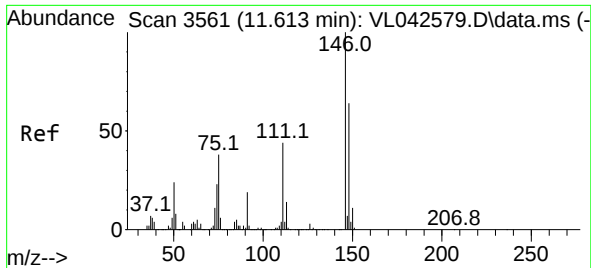
105 100

120 51.0 40.8 61.2

91 72.4 46.8 70.2#

77 25.8 18.2 27.2





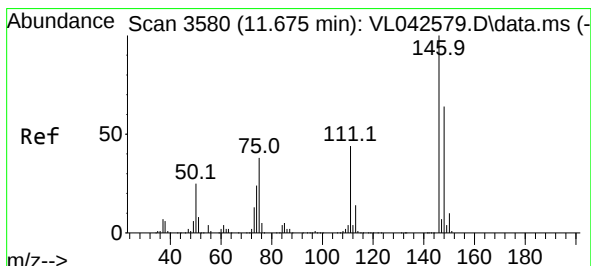
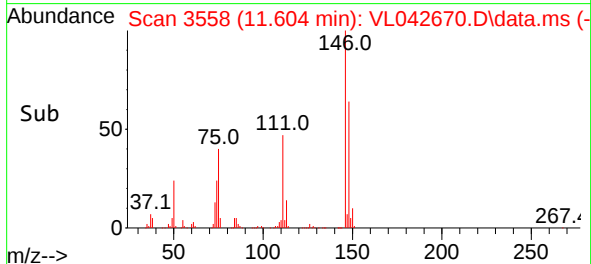
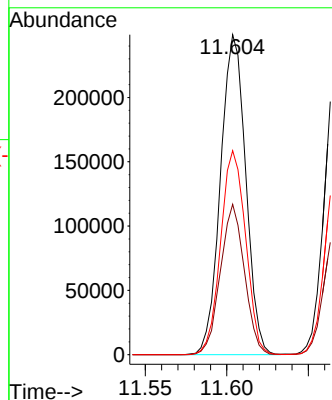
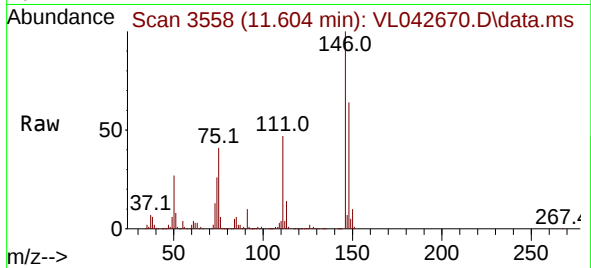
#75
1,3-Dichlorobenzene
Concen: 11.515 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.010 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 267385
Ion Ratio Lower Upper
146 100
111 44.8 22.4 67.3
148 63.2 32.0 96.2

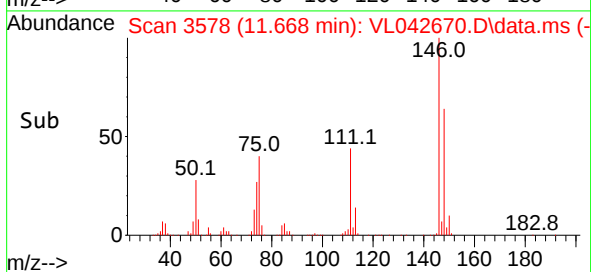
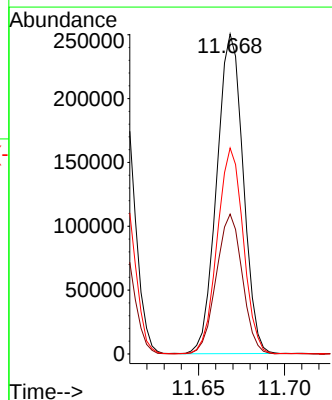
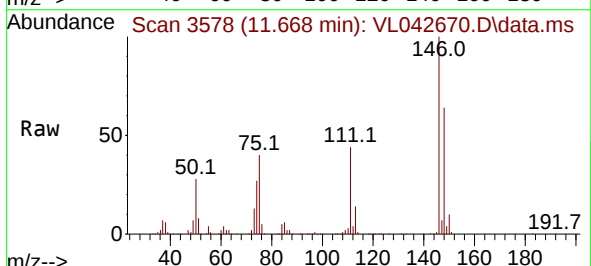
Manual Integrations
APPROVED

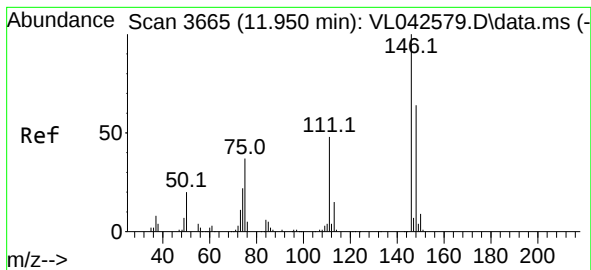
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#76
1,4-Dichlorobenzene
Concen: 11.529 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.006 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

Tgt Ion:146 Resp: 267005
Ion Ratio Lower Upper
146 100
111 43.4 21.6 64.8
148 64.0 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 11.640 ppbv

RT: 11.943 min Scan# 3663

Delta R.T. -0.006 min

Lab File: VL042670.D

Acq: 27 Jun 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :

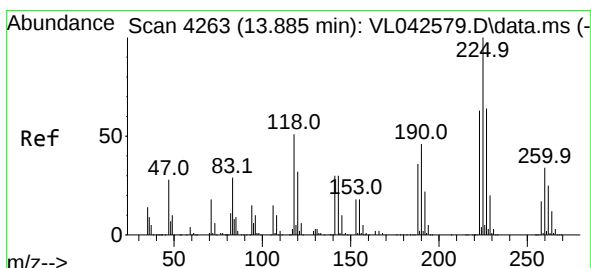
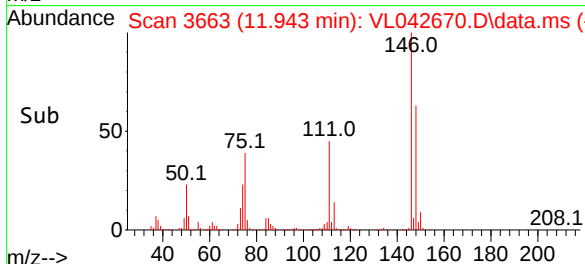
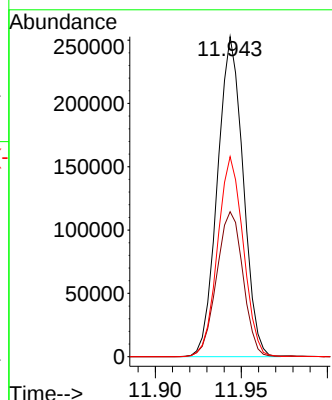
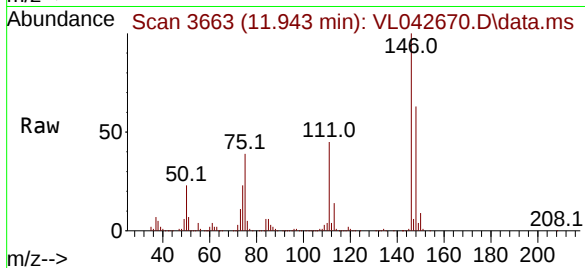
VSTDCCC010

Tgt Ion:	146	Resp:	26232
Ion Ratio	Lower	Upper	
146	100		
111	46.7	23.1	69.3
148	62.6	32.1	96.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#78

Hexachloro-1,3-Butadiene

Concen: 9.726 ppbv

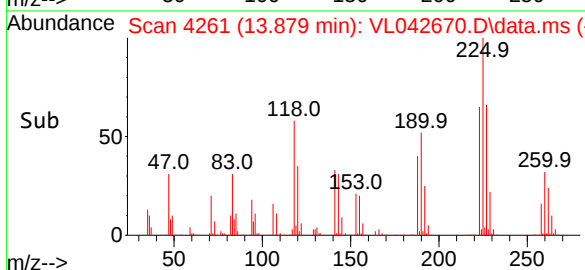
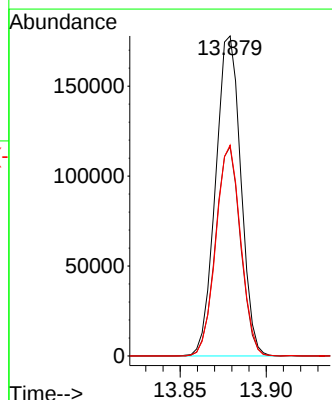
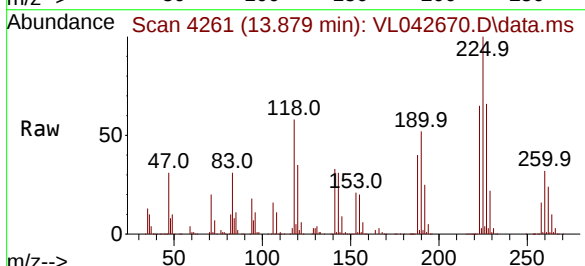
RT: 13.879 min Scan# 4261

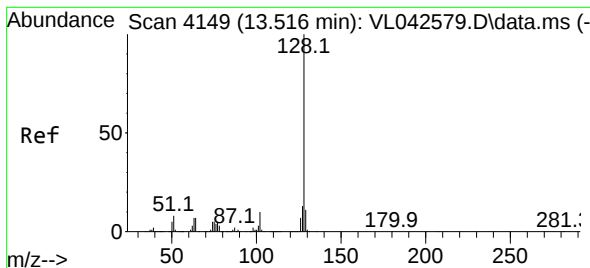
Delta R.T. -0.006 min

Lab File: VL042670.D

Acq: 27 Jun 2025 08:23

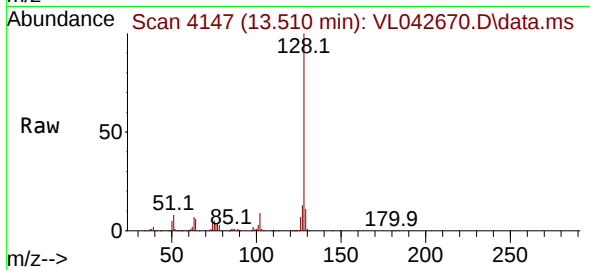
Tgt Ion:	225	Resp:	181355
Ion Ratio	Lower	Upper	
225	100		
223	64.4	50.2	75.4
227	64.9	51.1	76.7





#79
Naphthalene
Concen: 11.633 ppbv
RT: 13.510 min Scan# 4149
Delta R.T. -0.006 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23

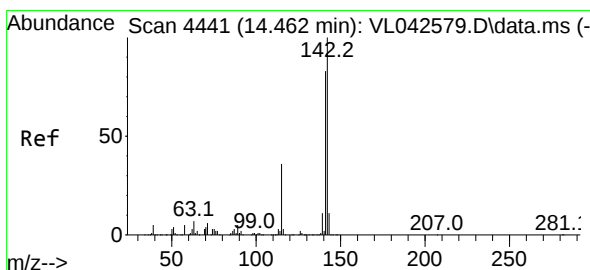
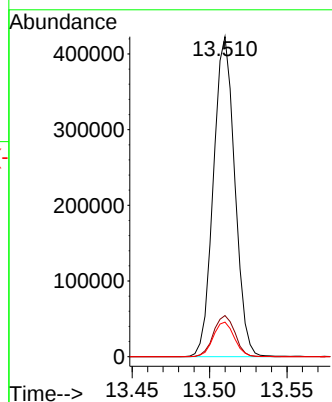
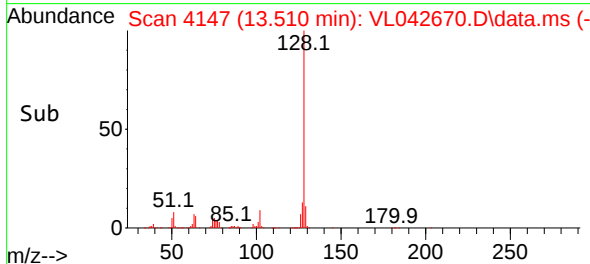
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



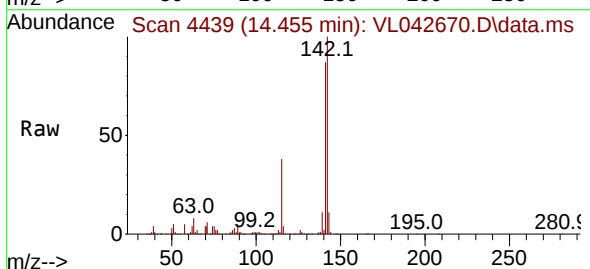
Tgt Ion:128 Resp: 405468
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.8 8.8 13.2

Manual Integrations
APPROVED

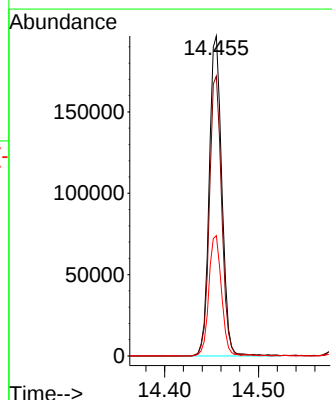
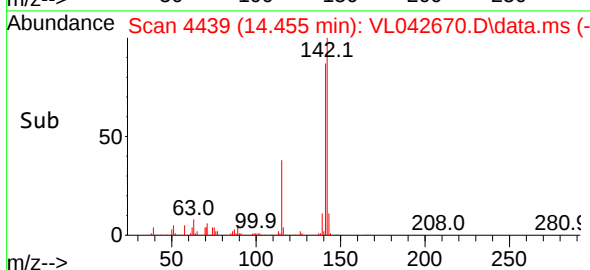
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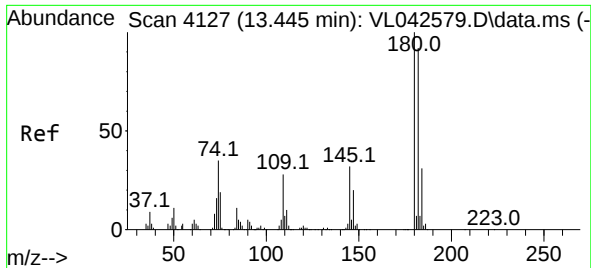


#80
Naphthalene,2-methyl-
Concen: 11.615 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.006 min
Lab File: VL042670.D
Acq: 27 Jun 2025 08:23



Tgt Ion:142 Resp: 182890
Ion Ratio Lower Upper
142 100
141 86.1 66.2 99.4
115 38.0 28.3 42.5





#81

1,2,4-Trichlorobenzene

Concen: 10.602 ppbv

RT: 13.436 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL042670.D

Acq: 27 Jun 2025 08:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:180 Resp: 206285

Ion Ratio Lower Upper

180 100

182 96.4 75.0 112.4

184 30.7 24.6 36.8

Manual Integrations

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