

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061925\
 Data File : VL042647.D
 Acq On : 19 Jun 2025 08:56
 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 06/23/2025
 Supervised By : Mahesh Dadoda 06/23/2025

Quant Time: Jun 20 01:33:58 2025

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

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

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	2.797	49	105774	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	271342	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.898	117	241435	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 196559 10.861 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 108.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	136240	10.480	ppbv	97
3) Chlorodifluoromethane	1.479	51	173781	9.706	ppbv	97
4) Chloromethane	1.538	50	51600	10.023	ppbv	98
5) Vinyl Chloride	1.586	62	47359	9.031	ppbv	98
6) Bromomethane	1.674	94	23626	9.256	ppbv	92
7) Chloroethane	1.709	64	19363	9.503	ppbv	94
8) Dichlorotetrafluoroethane	1.560	85	110759	10.225	ppbv	99
9) Propene	1.489	41	61227	8.492	ppbv	93
10) Heptane	4.998	43	192684	9.481	ppbv	100
11) Trichlorofluoromethane	1.884	101	138922	11.485	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.146	101	107085	11.274	ppbv	97
13) Ethanol	1.729	45	5756	6.699	ppbv	94
14) Bromoethene	1.787	108	36607	10.246	ppbv	98
15) Acetone	1.842	43	111893	8.782	ppbv	97
16) 1,3-Butadiene	1.615	39	55514	9.198	ppbv	95
17) tert-Butyl alcohol	2.046	59	127048	9.572	ppbv	99
18) 1,1-Dichloroethene	2.043	96	46032	10.456	ppbv	88
19) Isopropyl Alcohol	1.894	45	71320	9.364	ppbv	97
20) Methylene Chloride	2.068	84	40012	9.516	ppbv	97
21) Allyl Chloride	2.104	41	88888	9.888	ppbv	96
22) trans-1,2-Dichloroethene	2.350	96	51990	10.572	ppbv	97
23) Vinyl Acetate	2.470	43	216348	12.562	ppbv #	97
24) 1,1-Dichloroethane	2.418	63	104587	10.337	ppbv	98
25) Ethyl Acetate	2.845	43	344364	9.877	ppbv	100
26) Hexane	2.836	57	149241	9.420	ppbv	97
27) Carbon Disulfide	2.159	76	130069	10.694	ppbv	93
28) Methyl tert-Butyl Ether	2.450	73	67907	10.562	ppbv	97
29) Chloroform	2.858	83	224802	10.911	ppbv	94
30) Cyclohexane	3.871	84	118051	8.988	ppbv	97
31) cis-1,2-Dichloroethene	2.732	61	142746	9.850	ppbv	98
32) 1,1,1-Trichloroethane	3.383	97	214355	10.183	ppbv	98
34) 2-Butanone	2.567	43	223326	11.541	ppbv	99
35) Carbon Tetrachloride	3.777	117	215300	12.020	ppbv	99
36) Benzene	3.671	78	293622	10.989	ppbv	99
37) 1,2-Dichloroethane	3.230	62	166507	12.538	ppbv	98
38) Trichloroethene	4.567	130	114475	10.079	ppbv	87
39) 1,2-Dichloropropane	4.334	63	109999	11.132	ppbv	97
40) 1,4-Dioxane	4.600	88	46358	10.484	ppbv #	87
41) Tetrahydrofuran	3.065	42	119620	10.561	ppbv	98
42) Bromodichloromethane	4.509	83	233466	12.378	ppbv	100
43) Methyl Methacrylate	4.901	69	110041	10.611	ppbv	98
44) 2,2,4-Trimethylpentane	4.661	57	504893	11.047	ppbv	98
45) t-1,3-Dichloropropene	6.438	75	125932	10.611	ppbv	97

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

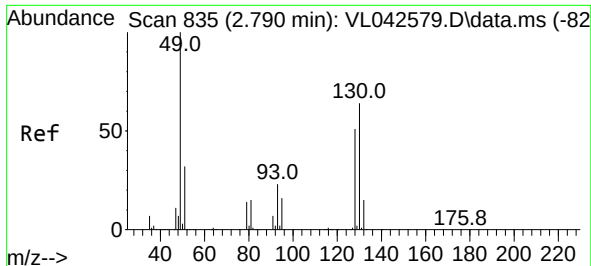
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

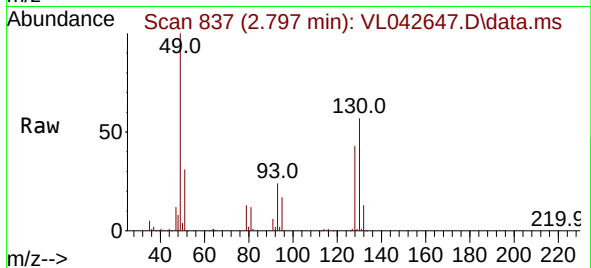
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.626	75	160436	10.789	ppbv	98
47) 1,1,2-Trichloroethane	6.603	97	115320	11.274	ppbv	95
48) Dibromochloromethane	7.409	129	187063	11.424	ppbv	100
49) Bromoform	9.500	173	168088	11.897	ppbv	99
50) 4-Methyl-2-Pentanone	5.774	43	298895	11.136	ppbv	98
51) 2-Hexanone	7.454	43	237889	11.175	ppbv #	97
52) Tetrachloroethene	8.244	164	99591	9.974	ppbv	95
53) Toluene	6.956	91	319753	10.354	ppbv	99
54) 1,2-Dibromoethane	7.671	107	170816	11.282	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.943	131	145178	11.959	ppbv	97
57) Chlorobenzene	8.940	112	258681	11.034	ppbv	99
58) Ethyl Benzene	9.370	91	453357	11.070	ppbv	95
59) m/p-Xylene	9.568	91	763052m	23.676	ppbv	
60) o-Xylene	9.979	91	377860	11.756	ppbv	97
61) Styrene	9.888	104	158381	10.422	ppbv	97
62) Isopropylbenzene	10.552	105	548530	11.551	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.979	83	247429	12.106	ppbv	99
64) n-propylbenzene	11.002	120	145207	11.407	ppbv	94
65) tert-Butylbenzene	11.542	119	482745	11.202	ppbv	97
66) Benzyl Chloride	11.630	91	53662	9.674	ppbv	97
67) sec-Butylbenzene	11.778	105	690565	11.398	ppbv	98
69) p-Isopropyltoluene	11.937	119	569182	11.219	ppbv	98
70) n-Butylbenzene	12.293	91	589246	11.766	ppbv	98
71) 2-Chlorotoluene	10.914	91	419351	11.577	ppbv	96
72) 4-Ethyltoluene	11.138	105	465148	11.607	ppbv	98
73) 1,3,5-Trimethylbenzene	11.215	105	385257	11.615	ppbv	96
74) 1,2,4-Trimethylbenzene	11.549	105	431897	11.734	ppbv	91
75) 1,3-Dichlorobenzene	11.620	146	266086	11.512	ppbv	99
76) 1,4-Dichlorobenzene	11.685	146	266486	11.560	ppbv	98
77) 1,2-Dichlorobenzene	11.960	146	256200	11.421	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	183922	9.909	ppbv	99
79) Naphthalene	13.523	128	403844	11.640	ppbv	99
80) Naphthalene,2-methyl-	14.468	142	190371	12.145	ppbv	99
81) 1,2,4-Trichlorobenzene	13.452	180	208409	10.761	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

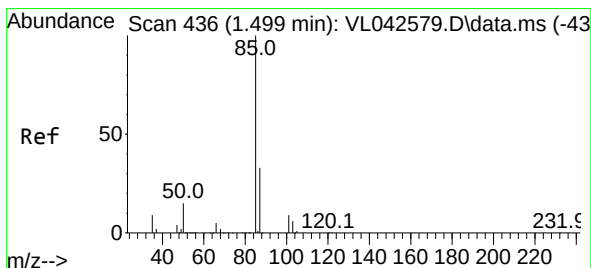
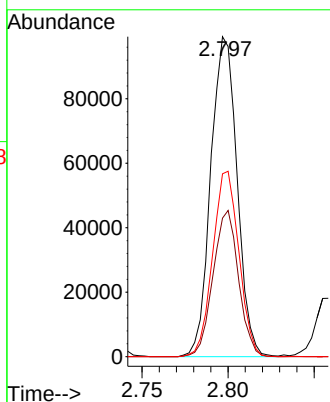
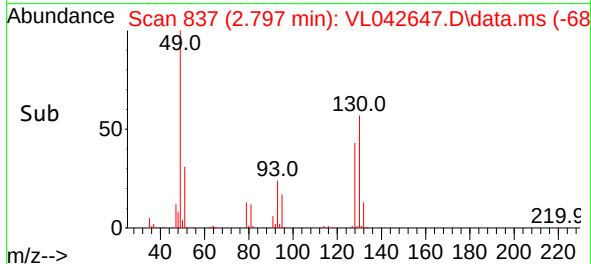
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



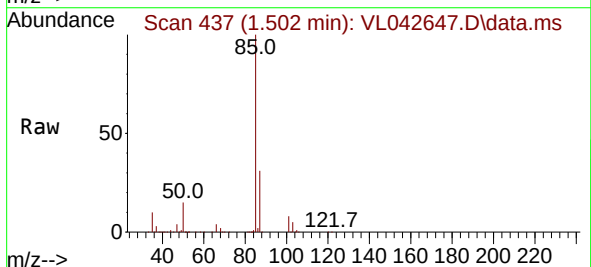
Tgt Ion: 49 Resp: 105774
Ion Ratio Lower Upper
49 100
128 44.2 24.2 72.6
130 57.6 30.4 91.2

Manual Integrations
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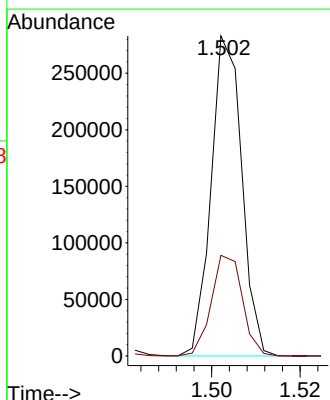
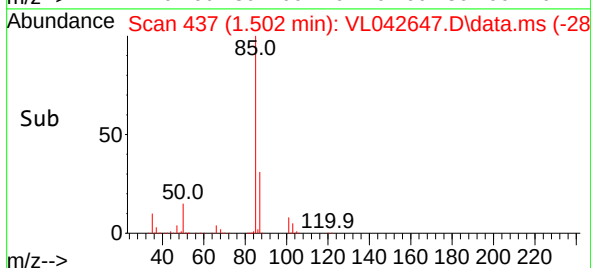
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

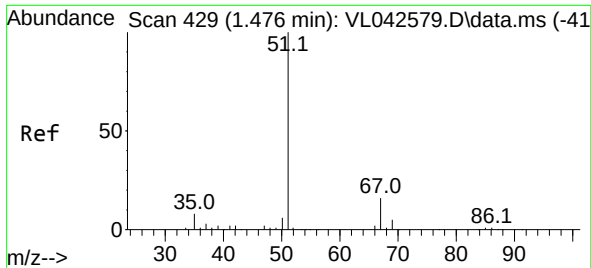


#2
Dichlorodifluoromethane
Concen: 10.480 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56



Tgt Ion: 85 Resp: 136240
Ion Ratio Lower Upper
85 100
87 31.4 26.6 39.8





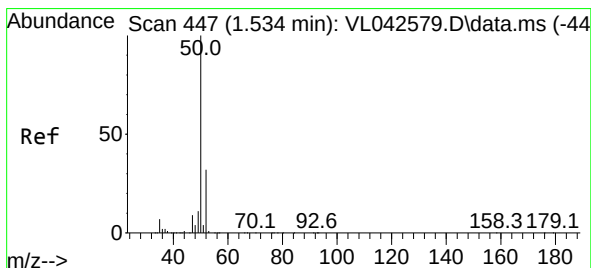
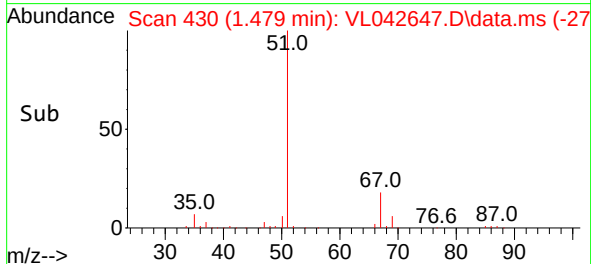
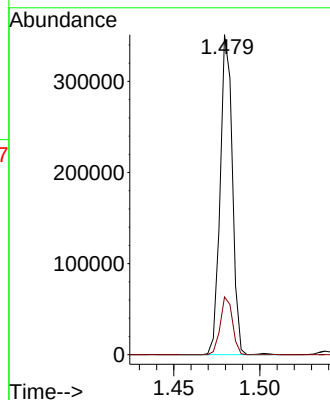
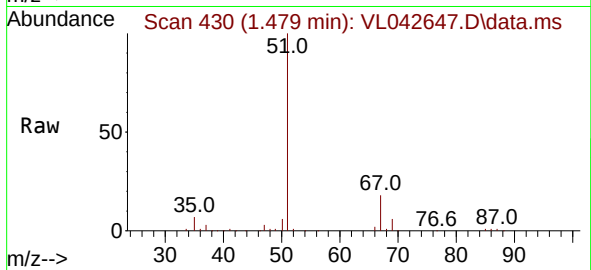
#3
Chlorodifluoromethane
Concen: 9.706 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 17378
Ion Ratio Lower Upper
51 100
67 18.1 13.4 20.2

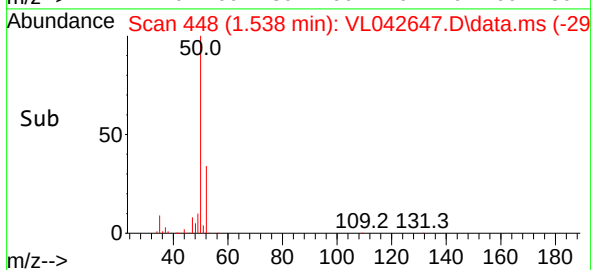
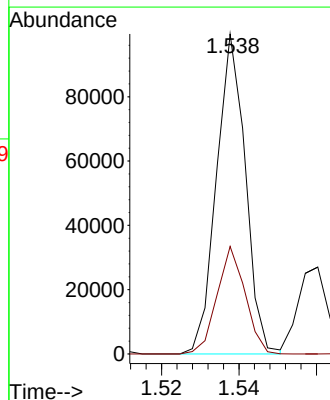
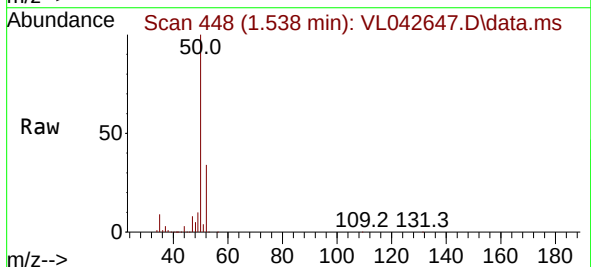
Manual Integrations
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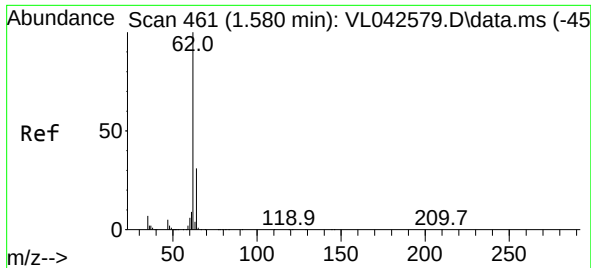
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#4
Chloromethane
Concen: 10.023 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

Tgt Ion: 50 Resp: 51600
Ion Ratio Lower Upper
50 100
52 33.6 25.8 38.6





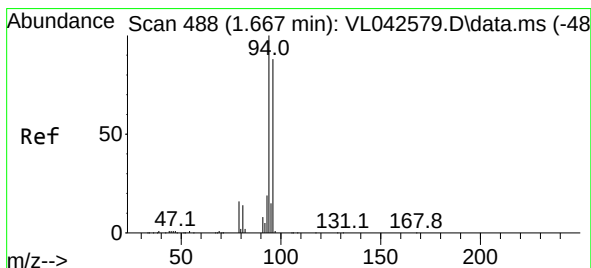
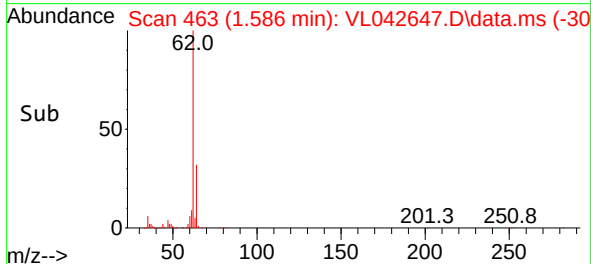
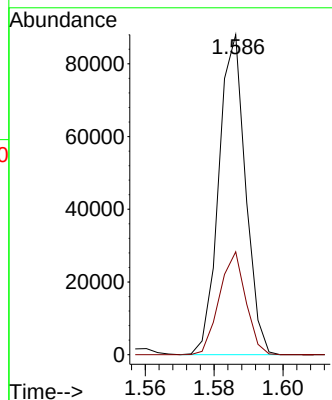
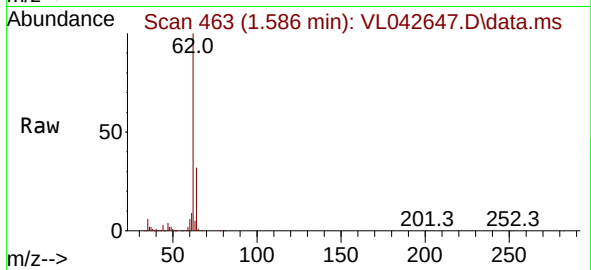
#5
 Vinyl Chloride
 Concen: 9.031 ppbv
 RT: 1.586 min Scan# 40
 Delta R.T. 0.006 min
 Lab File: VL042647.D
 Acq: 19 Jun 2025 08:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 47359
 Ion Ratio Lower Upper
 62 100
 64 32.1 24.9 37.3

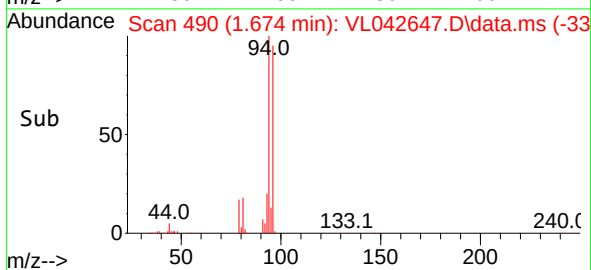
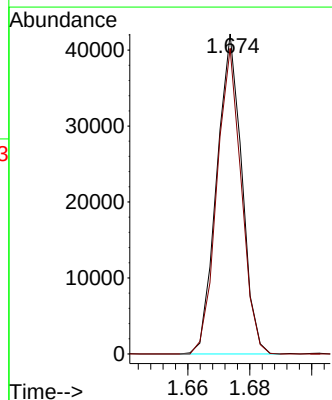
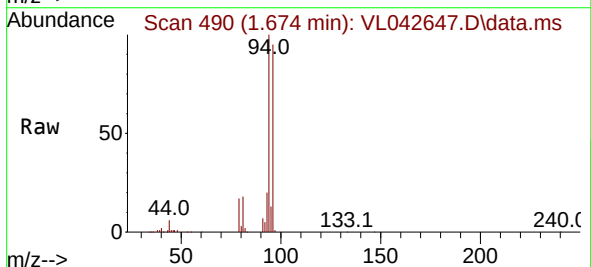
Manual Integrations
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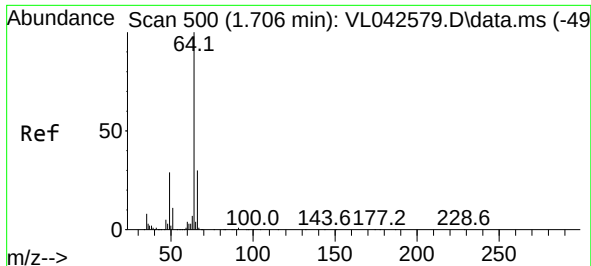
Reviewed By :Semsettin Yesilyurt 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025



#6
 Bromomethane
 Concen: 9.256 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.007 min
 Lab File: VL042647.D
 Acq: 19 Jun 2025 08:56

Tgt Ion: 94 Resp: 23626
 Ion Ratio Lower Upper
 94 100
 96 95.5 70.7 106.1





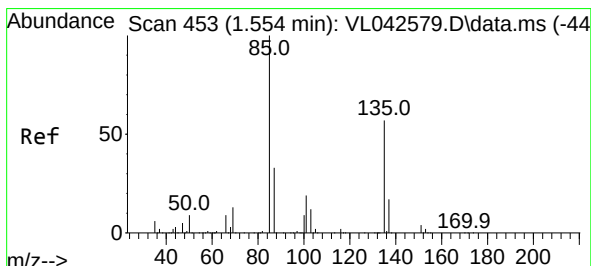
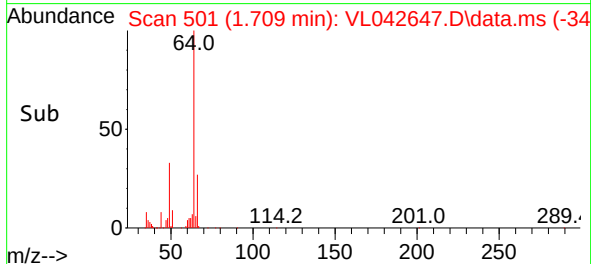
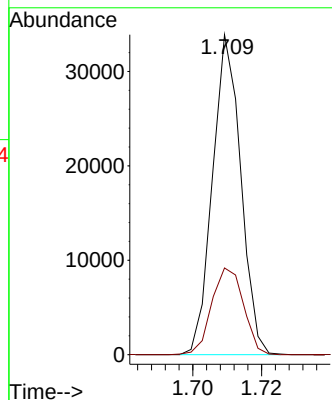
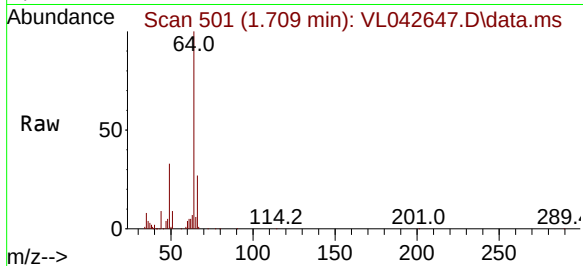
#7
Chloroethane
Concen: 9.503 ppbv
RT: 1.709 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 1936
Ion Ratio Lower Upper
64 100
66 27.1 24.3 36.5

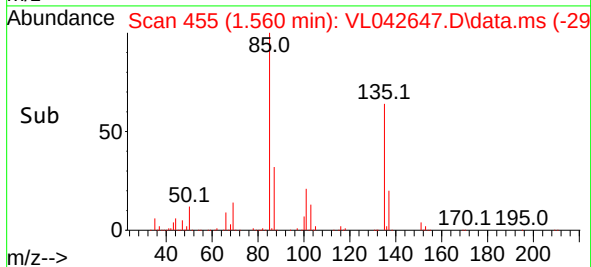
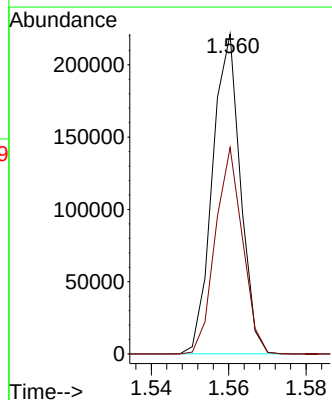
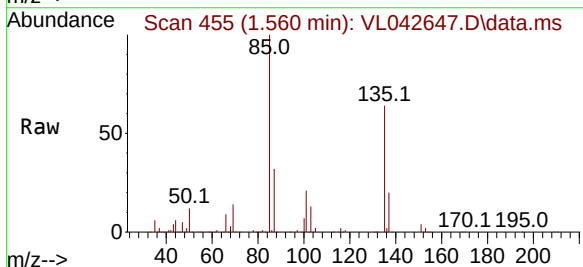
Manual Integrations
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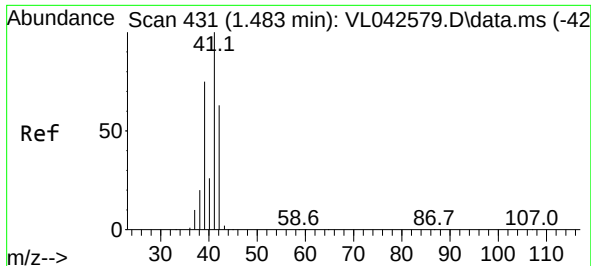
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#8
Dichlorotetrafluoroethane
Concen: 10.225 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.006 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

Tgt Ion: 85 Resp: 110759
Ion Ratio Lower Upper
85 100
135 63.2 50.2 75.4





#9

Propene

Concen: 8.492 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL042647.D

Acq: 19 Jun 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 6122

Ion Ratio Lower Upper

41 100

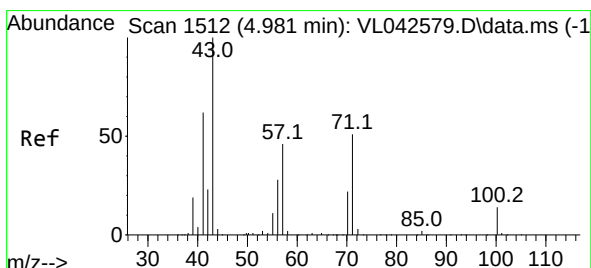
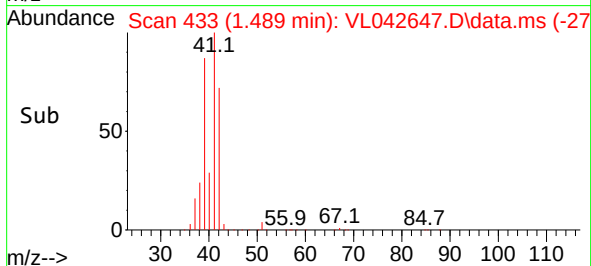
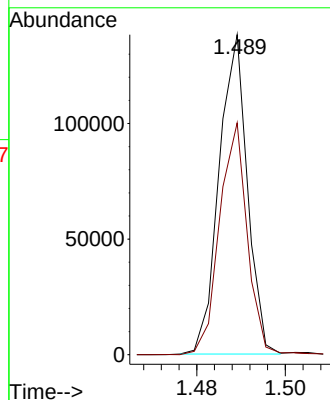
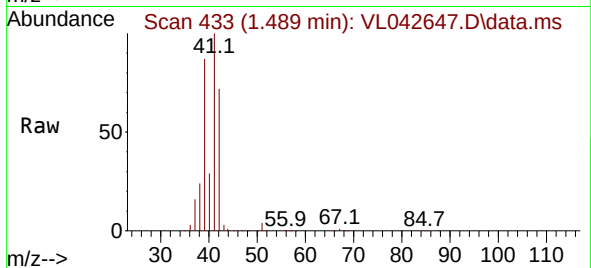
42 72.3 53.3 79.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025



#10

Heptane

Concen: 9.481 ppbv

RT: 4.998 min Scan# 1517

Delta R.T. 0.016 min

Lab File: VL042647.D

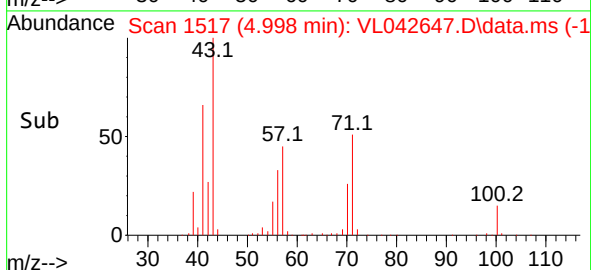
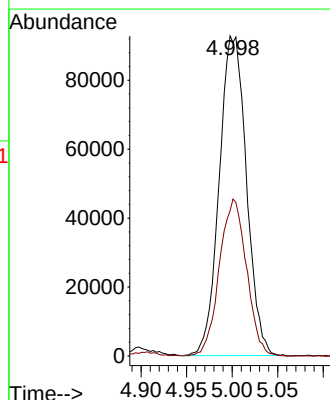
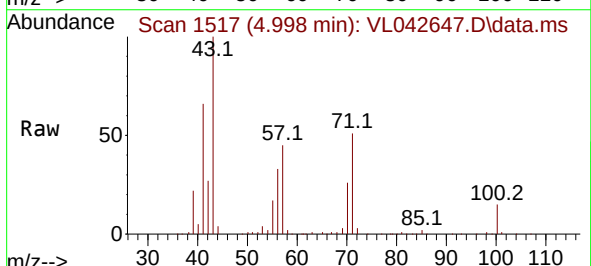
Acq: 19 Jun 2025 08:56

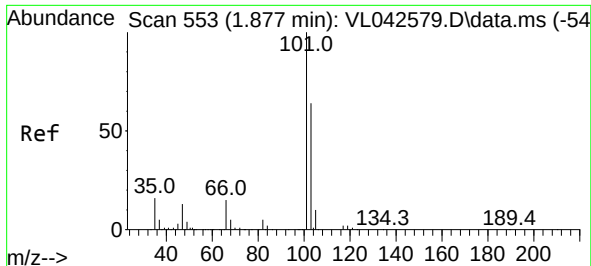
Tgt Ion: 43 Resp: 192684

Ion Ratio Lower Upper

43 100

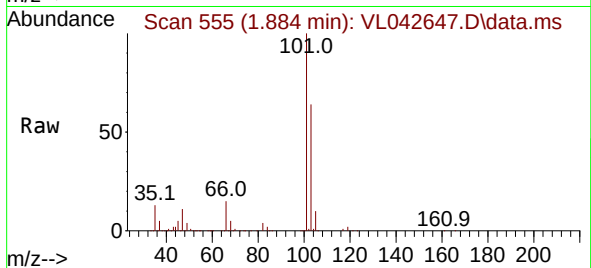
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#11
Trichlorofluoromethane
Concen: 11.485 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.006 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

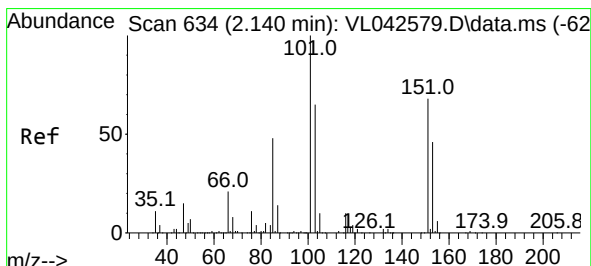
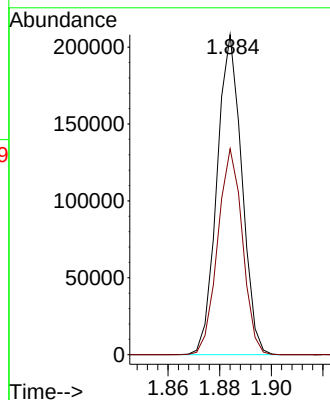
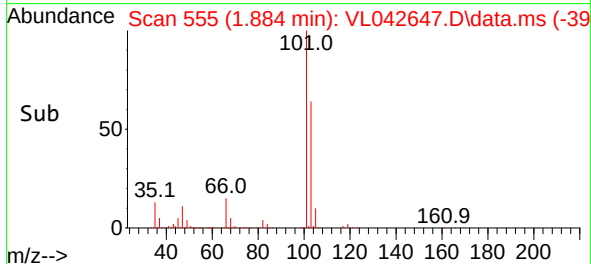
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



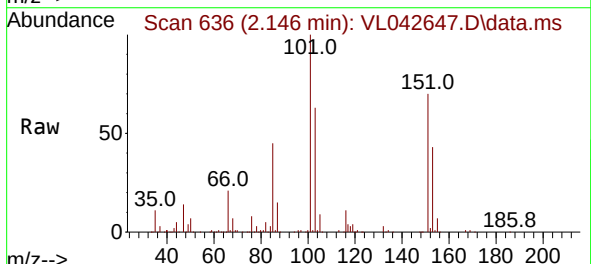
Tgt Ion:101 Resp: 13892
Ion Ratio Lower Upper
101 100
103 64.3 51.5 77.3

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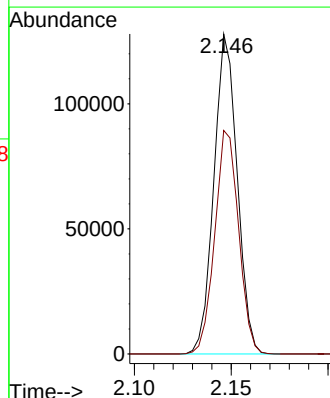
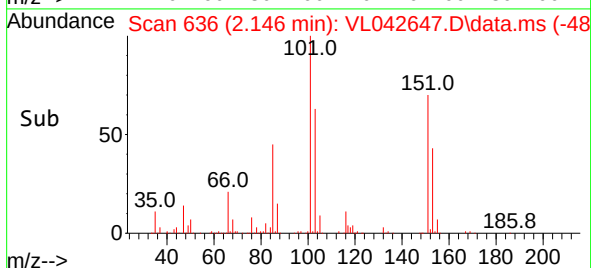
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

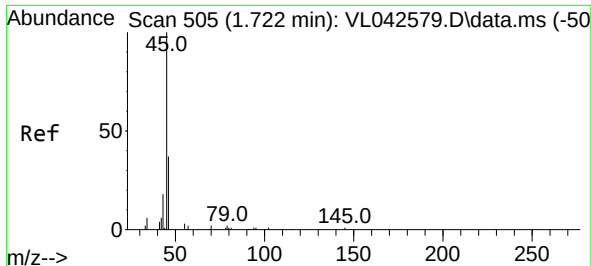


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.274 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.006 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56



Tgt Ion:101 Resp: 107085
Ion Ratio Lower Upper
101 100
151 71.5 55.3 82.9





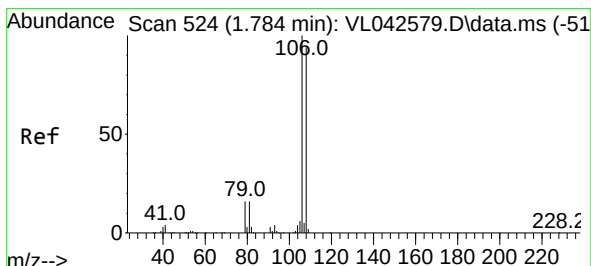
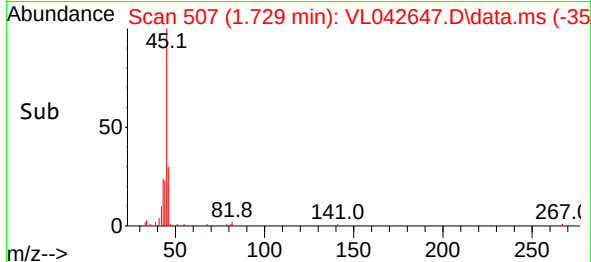
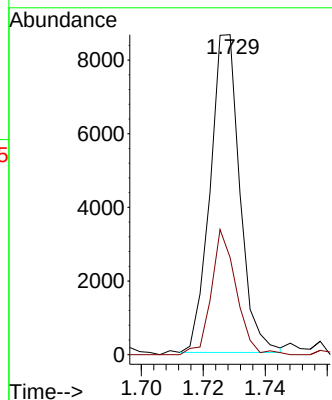
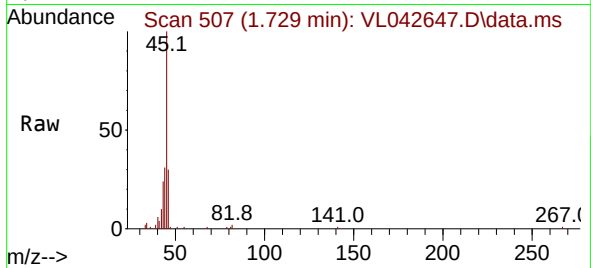
#13
Ethanol
Concen: 6.699 ppbv
RT: 1.729 min Scan# 505
Delta R.T. 0.006 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 5750
Ion Ratio Lower Upper
45 100
46 33.0 14.5 58.1

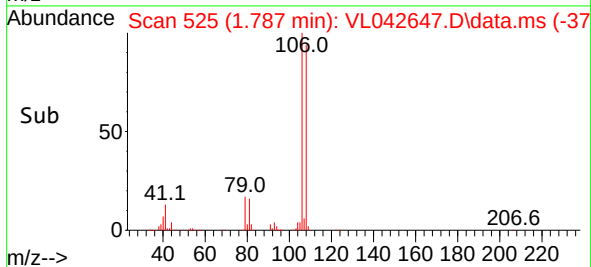
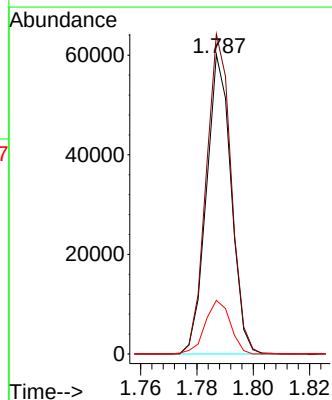
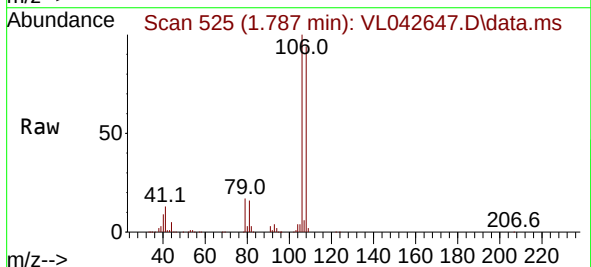
Manual Integrations
APPROVED

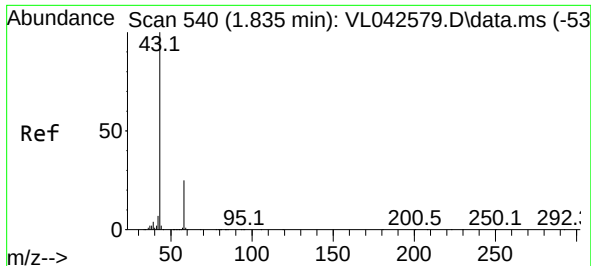
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#14
Bromoethene
Concen: 10.246 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

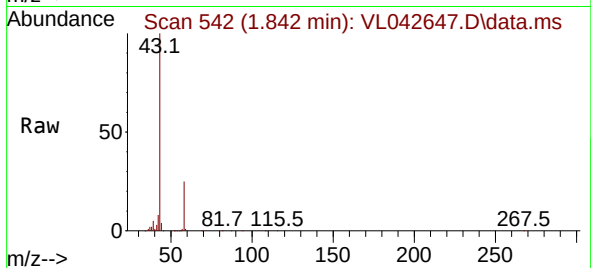
Tgt Ion:108 Resp: 36607
Ion Ratio Lower Upper
108 100
106 107.9 87.9 131.9
79 18.4 15.6 23.4





#15
Acetone
Concen: 8.782 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

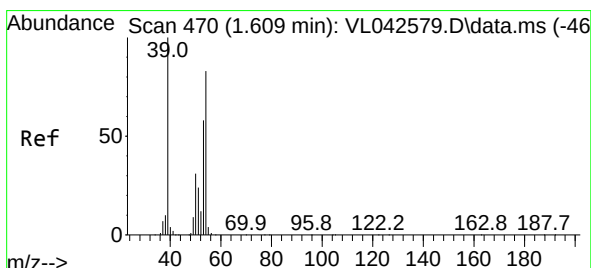
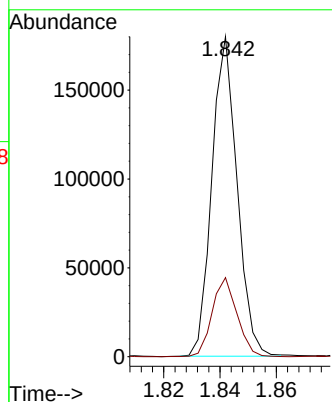
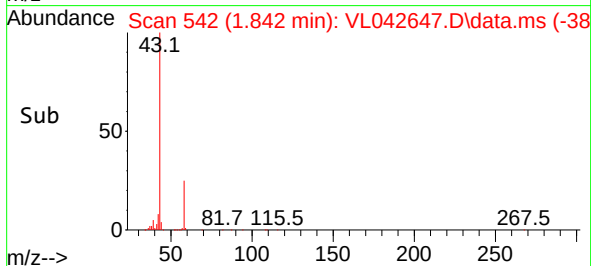
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



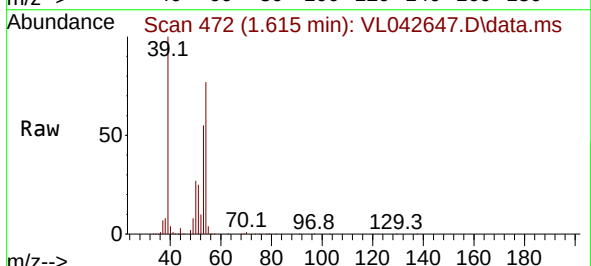
Tgt Ion: 43 Resp: 11189
Ion Ratio Lower Upper
43 100
58 24.5 21.0 31.4

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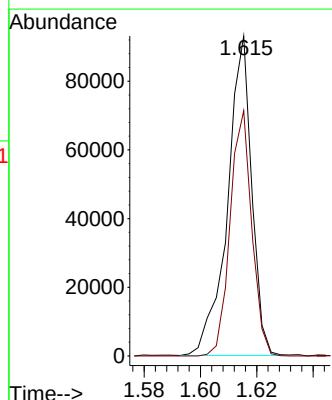
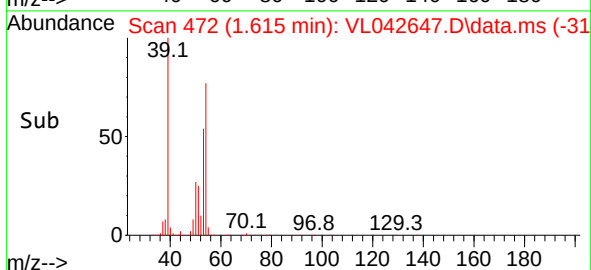
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

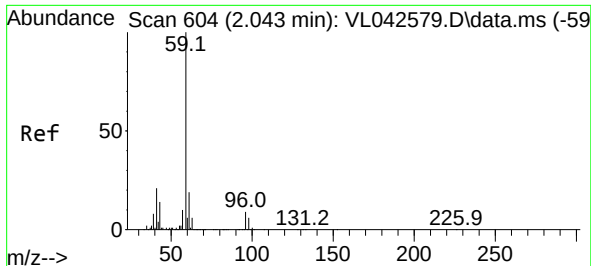


#16
1,3-Butadiene
Concen: 9.198 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.007 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56



Tgt Ion: 39 Resp: 55514
Ion Ratio Lower Upper
39 100
54 68.5 57.9 86.9





#17

tert-Butyl alcohol

Concen: 9.572 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.003 min

Lab File: VL042647.D

Acq: 19 Jun 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 127048

Ion Ratio Lower Upper

59 100

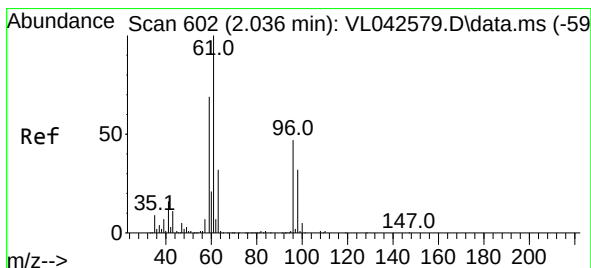
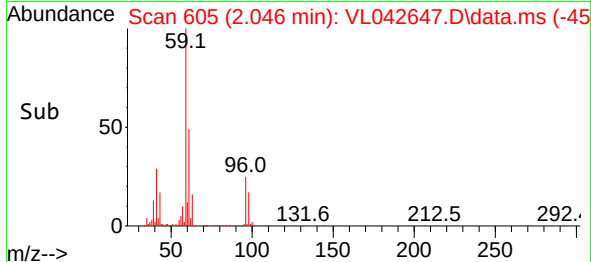
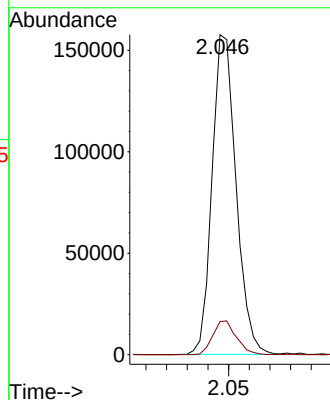
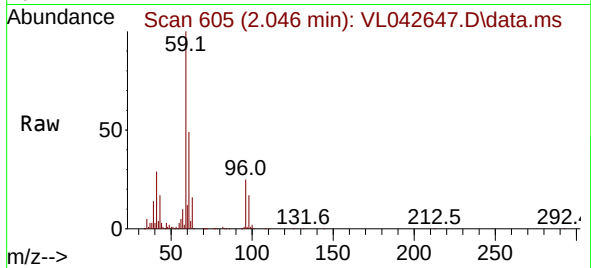
57 10.5 8.6 12.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025



#18

1,1-Dichloroethene

Concen: 10.456 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.007 min

Lab File: VL042647.D

Acq: 19 Jun 2025 08:56

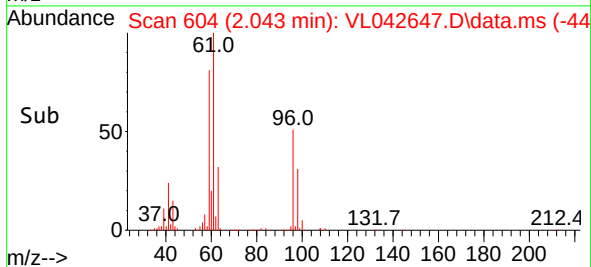
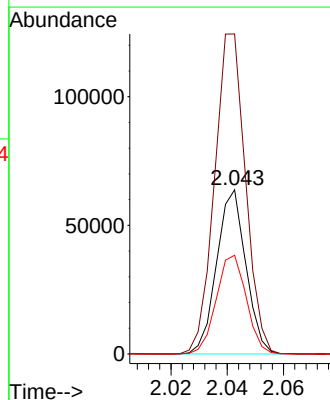
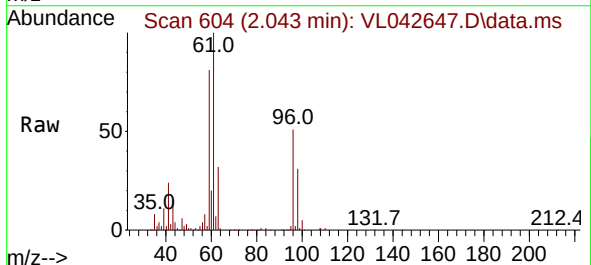
Tgt Ion: 96 Resp: 46032

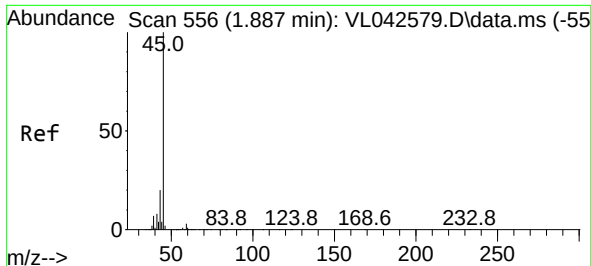
Ion Ratio Lower Upper

96 100

61 194.8 171.1 256.7

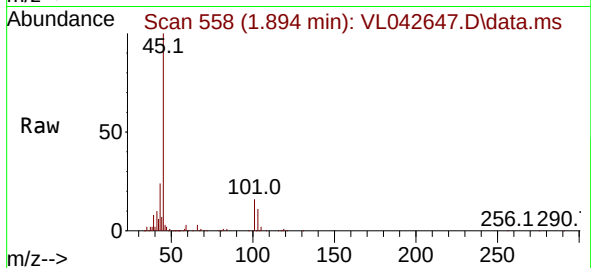
98 60.1 54.4 81.6





#19
Isopropyl Alcohol
Concen: 9.364 ppbv
RT: 1.894 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

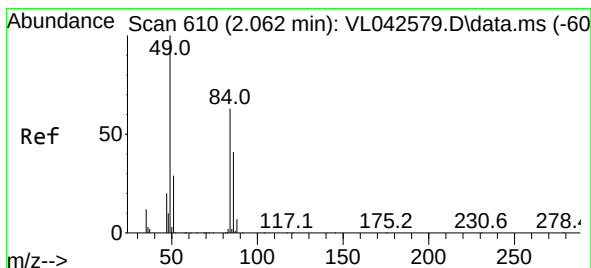
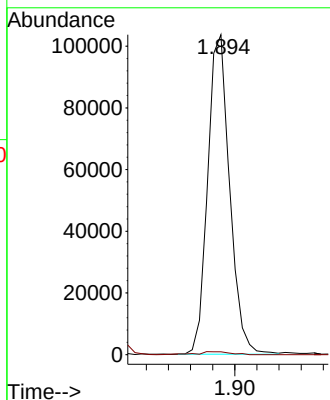
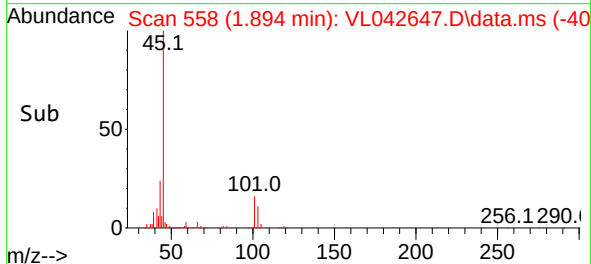
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



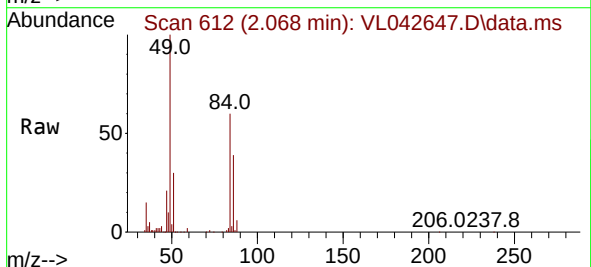
Tgt Ion: 45 Resp: 71320
Ion Ratio Lower Upper
45 100
58 38.4 29.4 44.2

Manual Integrations
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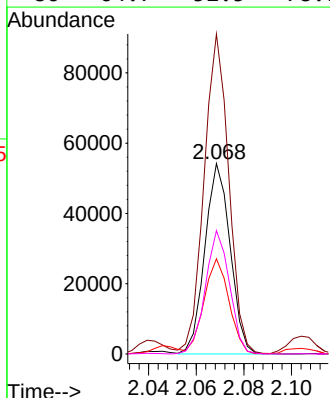
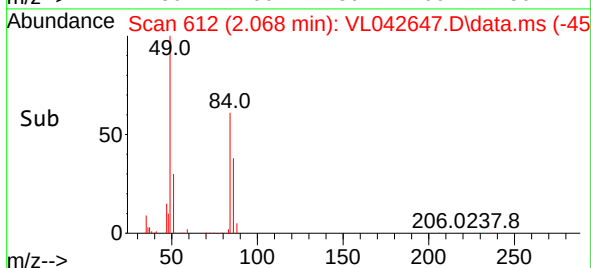
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

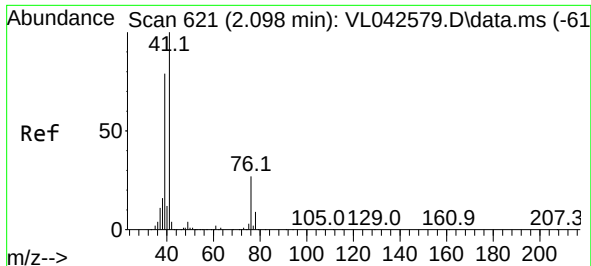


#20
Methylene Chloride
Concen: 9.516 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.006 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56



Tgt Ion: 84 Resp: 40012
Ion Ratio Lower Upper
84 100
49 166.3 128.8 193.2
51 49.5 38.6 57.8
86 64.7 52.5 78.7





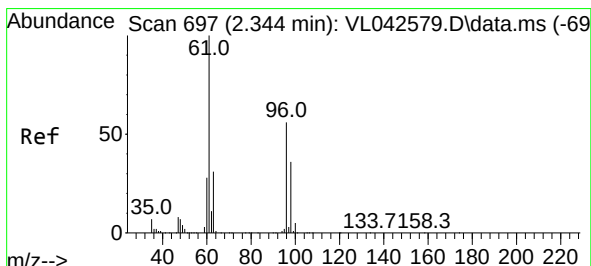
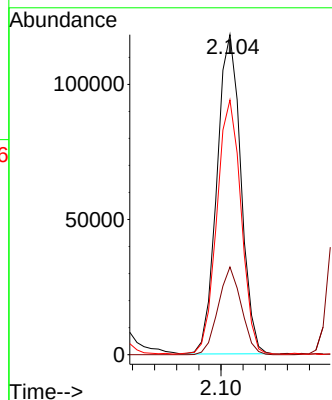
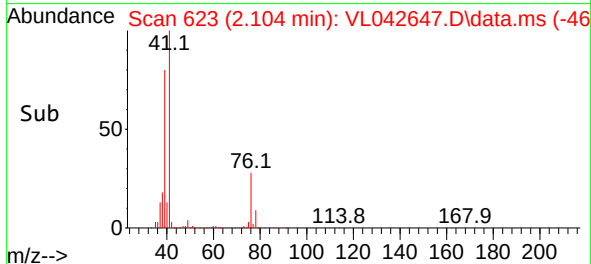
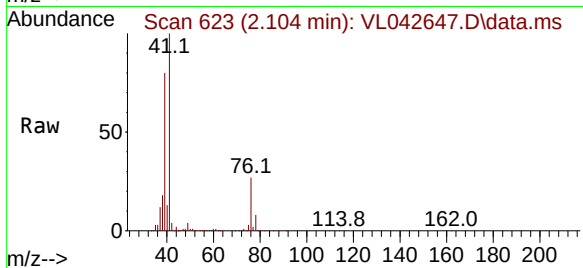
#21
 Allyl Chloride
 Concen: 9.888 ppbv
 RT: 2.104 min Scan# 611
 Delta R.T. 0.007 min
 Lab File: VL042647.D
 Acq: 19 Jun 2025 08:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 8888
 Ion Ratio Lower Upper
 41 100
 76 26.5 21.2 31.8
 39 81.0 60.9 91.3

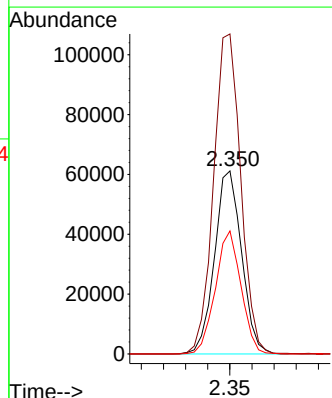
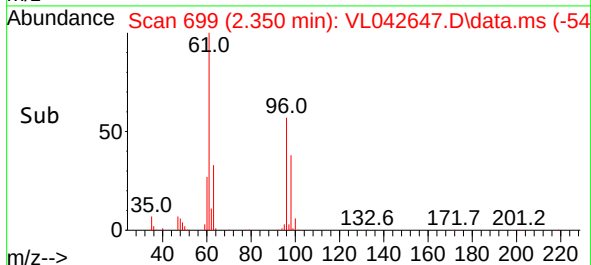
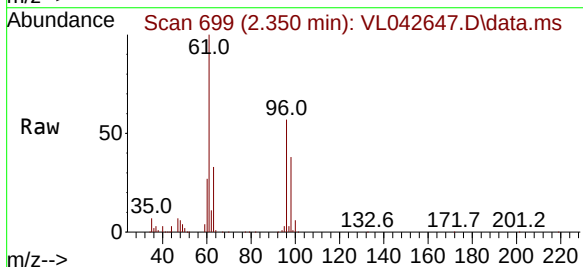
Manual Integrations
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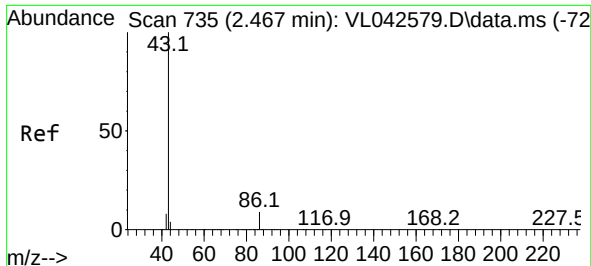
Reviewed By :Semsettin Yesilyurt 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025



#22
 trans-1,2-Dichloroethene
 Concen: 10.572 ppbv
 RT: 2.350 min Scan# 699
 Delta R.T. 0.006 min
 Lab File: VL042647.D
 Acq: 19 Jun 2025 08:56

Tgt Ion: 96 Resp: 51990
 Ion Ratio Lower Upper
 96 100
 61 174.7 142.6 214.0
 98 67.2 51.0 76.4





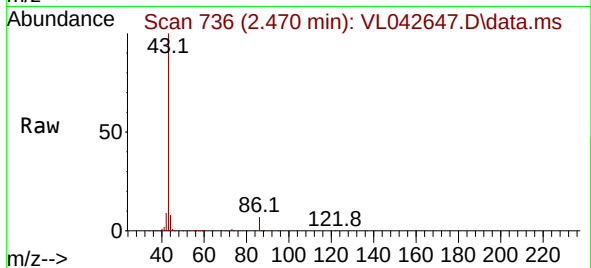
#23
 Vinyl Acetate
 Concen: 12.562 ppbv
 RT: 2.470 min Scan# 710
 Delta R.T. 0.003 min
 Lab File: VL042647.D
 Acq: 19 Jun 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

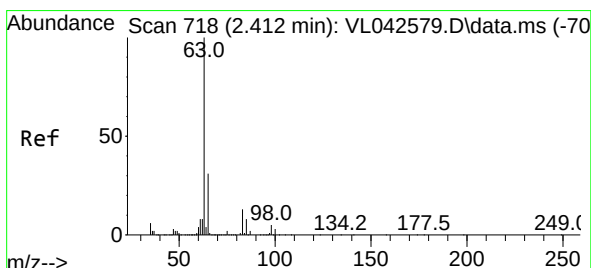
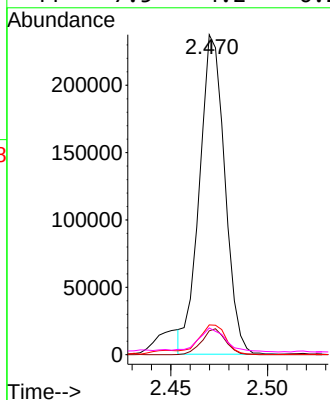
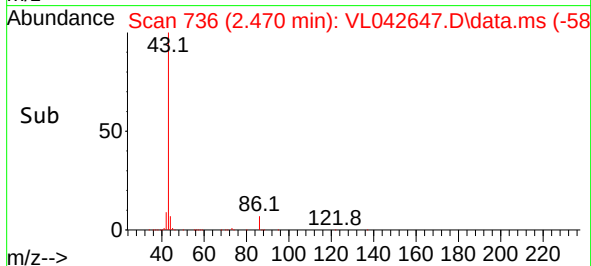


Tgt Ion: 43 Resp: 216348
 Ion Ratio Lower Upper
 43 100
 86 7.5 6.6 9.8
 42 9.2 7.0 10.4
 44 7.5 4.2 6.2#

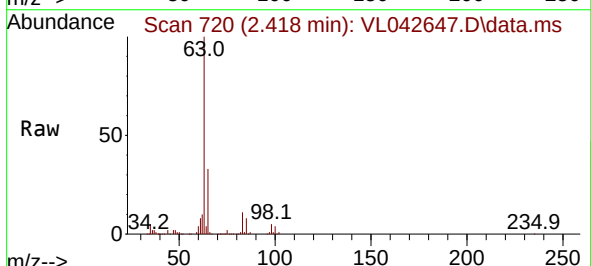
Manual Integrations

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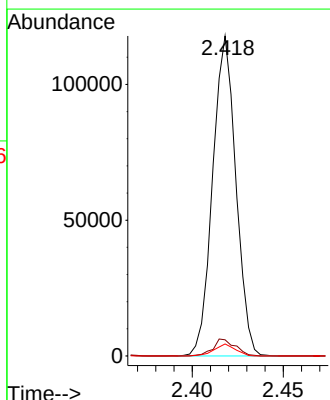
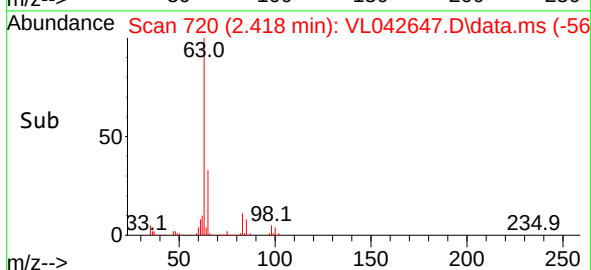
Reviewed By :Semsettin Yesilyurt 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025

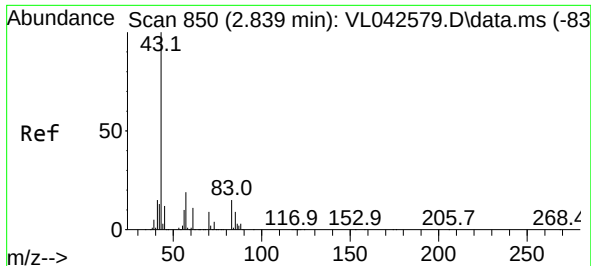


#24
 1,1-Dichloroethane
 Concen: 10.337 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.006 min
 Lab File: VL042647.D
 Acq: 19 Jun 2025 08:56



Tgt Ion: 63 Resp: 104587
 Ion Ratio Lower Upper
 63 100
 98 5.0 2.4 7.1
 100 3.7 1.4 4.0





#25

Ethyl Acetate

Concen: 9.877 ppbv

RT: 2.845 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL042647.D

Acq: 19 Jun 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

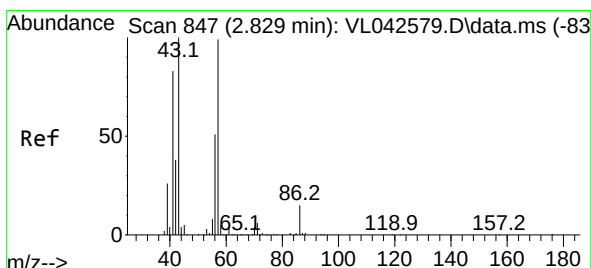
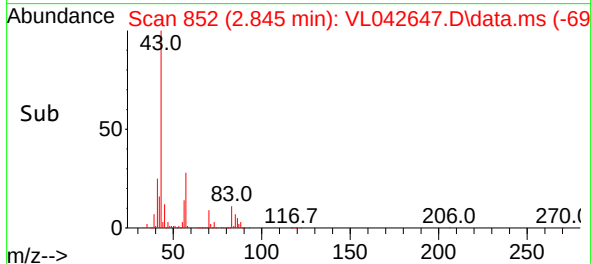
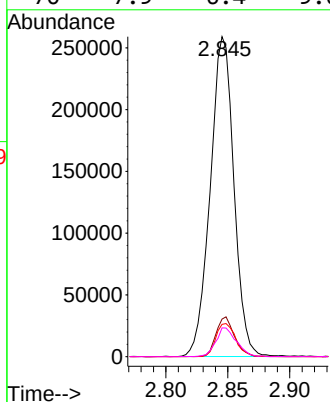
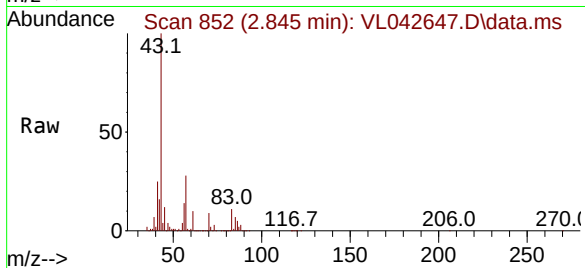
Tgt Ion: 43 Resp: 344364

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.2	12.2
61	8.8	7.1	10.7
70	7.9	6.4	9.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#26

Hexane

Concen: 9.420 ppbv

RT: 2.836 min Scan# 849

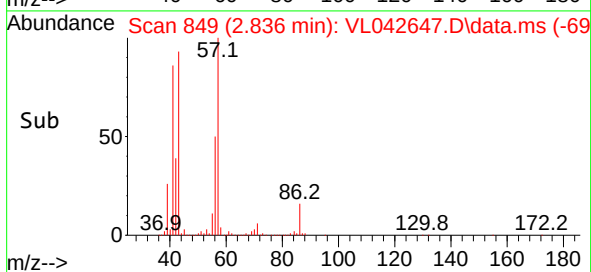
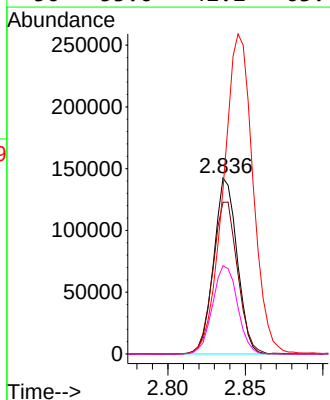
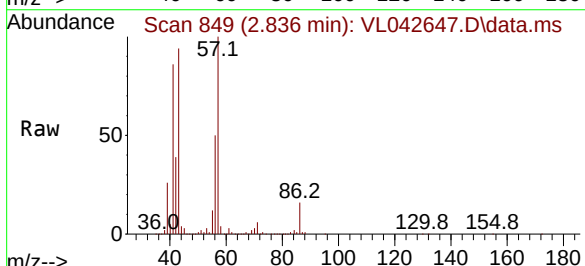
Delta R.T. 0.006 min

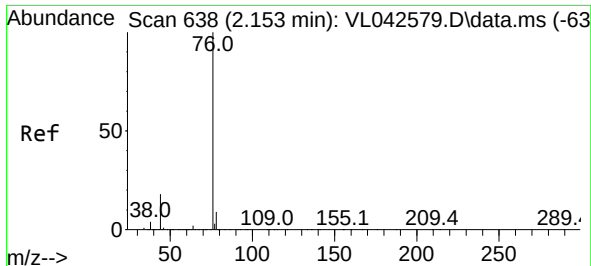
Lab File: VL042647.D

Acq: 19 Jun 2025 08:56

Tgt Ion: 57 Resp: 149241

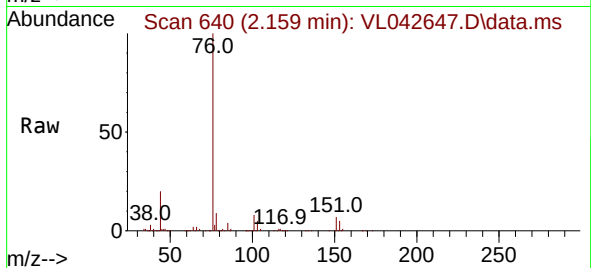
Ion	Ratio	Lower	Upper
57	100		
41	92.5	70.6	106.0
43	231.6	181.1	271.7
56	53.6	42.2	63.4





#27
Carbon Disulfide
Concen: 10.694 ppbv
RT: 2.159 min Scan# 640
Delta R.T. 0.006 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

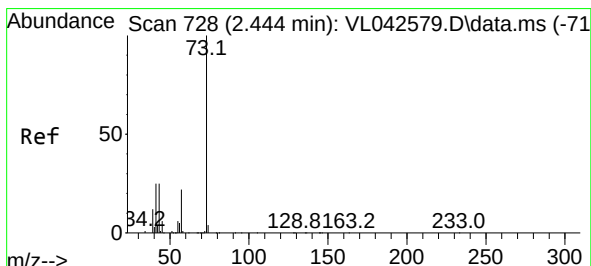
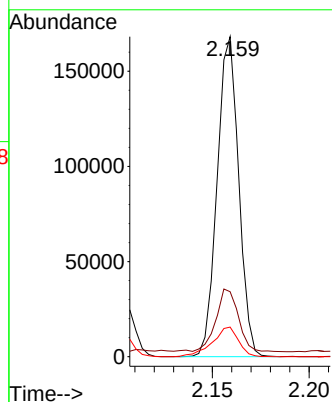
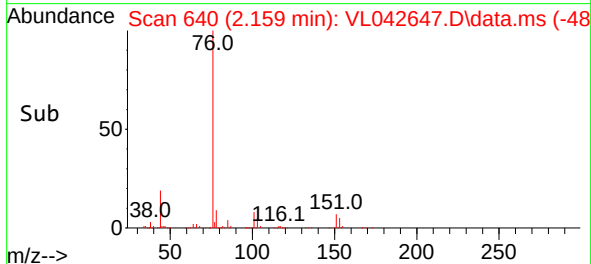
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



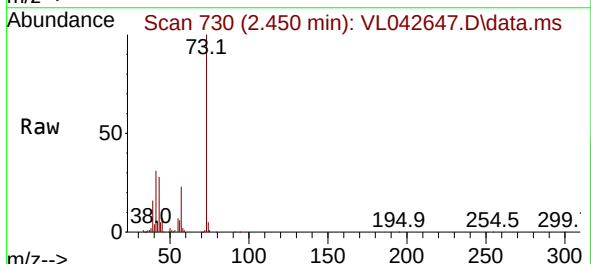
Tgt Ion: 76 Resp: 130069
Ion Ratio Lower Upper
76 100
44 21.8 21.3 31.9
78 11.2 9.4 14.0

Manual Integrations
APPROVED

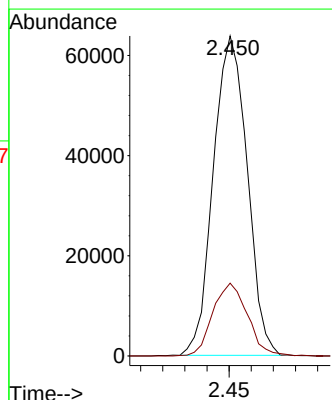
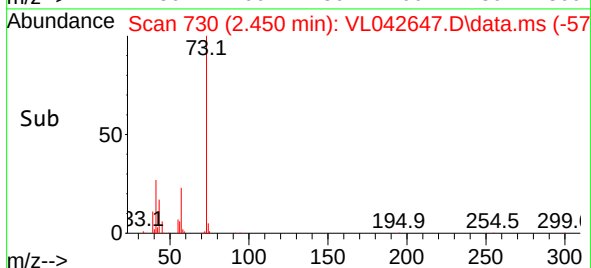
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

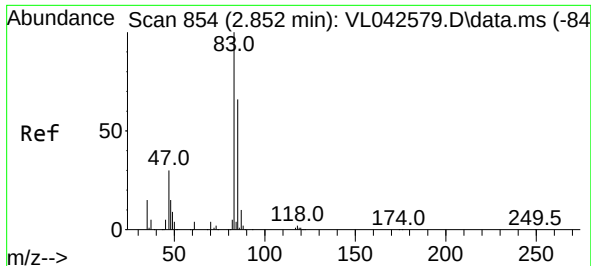


#28
Methyl tert-Butyl Ether
Concen: 10.562 ppbv
RT: 2.450 min Scan# 730
Delta R.T. 0.006 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56



Tgt Ion: 73 Resp: 67907
Ion Ratio Lower Upper
73 100
57 23.4 19.9 29.9





#29

Chloroform

Concen: 10.911 ppbv

RT: 2.858 min Scan# 856

Delta R.T. 0.006 min

Lab File: VL042647.D

Acq: 19 Jun 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 22480

Ion Ratio Lower Upper

83 100

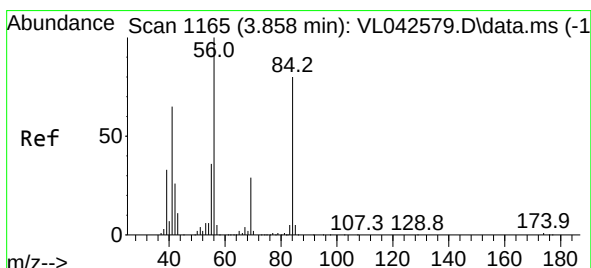
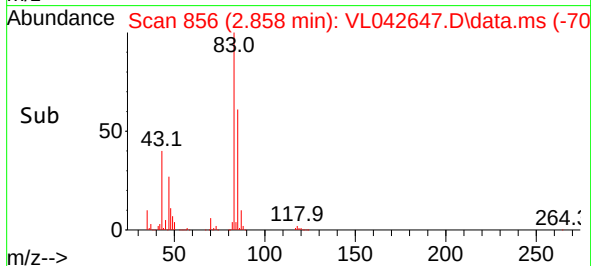
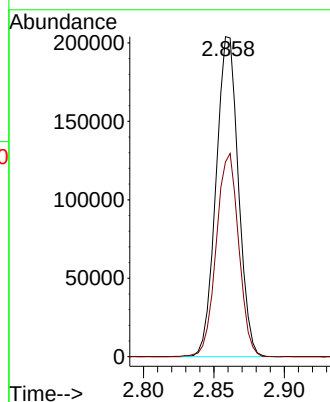
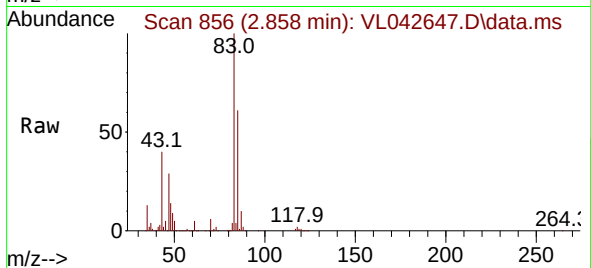
85 60.8 52.8 79.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025



#30

Cyclohexane

Concen: 8.988 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. 0.013 min

Lab File: VL042647.D

Acq: 19 Jun 2025 08:56

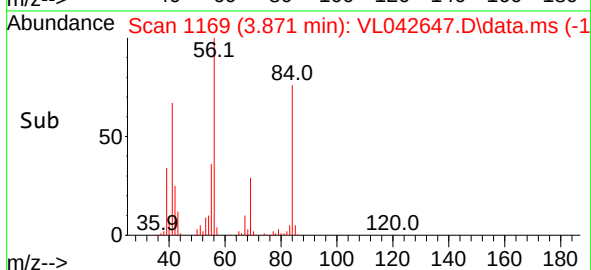
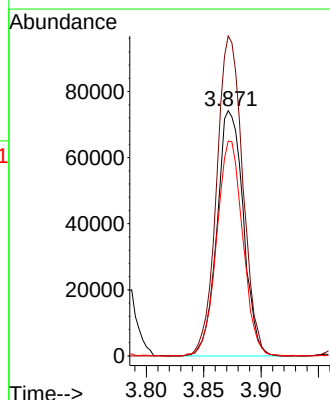
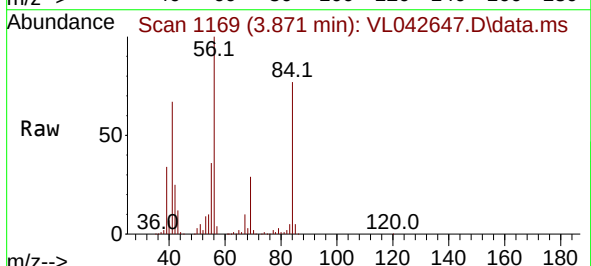
Tgt Ion: 84 Resp: 118051

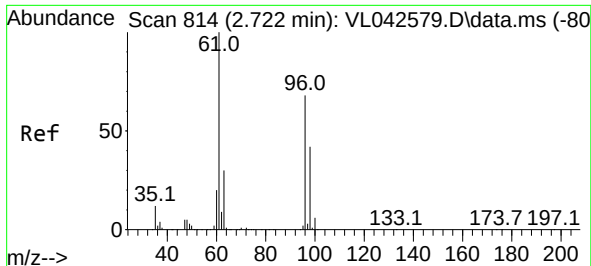
Ion Ratio Lower Upper

84 100

56 129.5 103.7 155.5

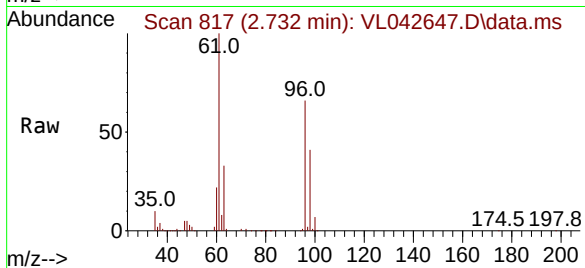
41 87.4 65.1 97.7





#31
 cis-1,2-Dichloroethene
 Concen: 9.850 ppbv
 RT: 2.732 min Scan# 81
 Delta R.T. 0.010 min
 Lab File: VL042647.D
 Acq: 19 Jun 2025 08:56

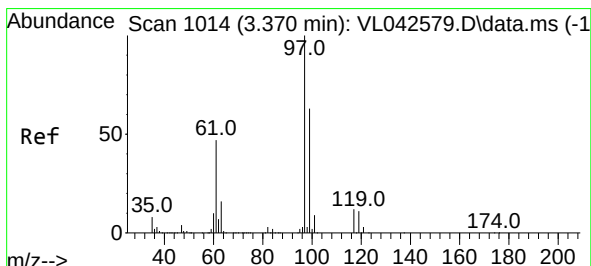
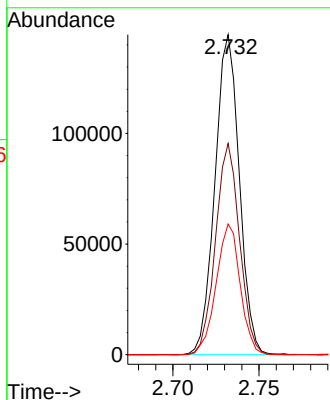
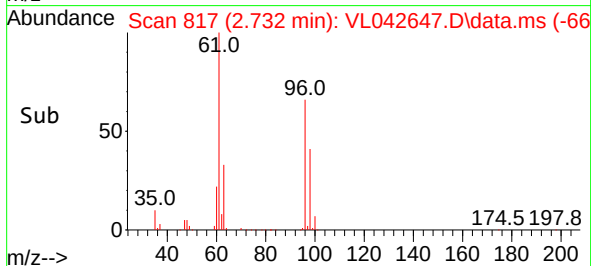
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



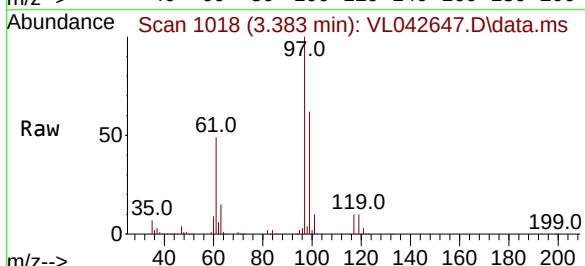
Tgt Ion: 61 Resp: 142740
 Ion Ratio Lower Upper
 61 100
 96 66.0 54.5 81.7
 98 40.8 33.4 50.2

Manual Integrations
 APPROVED

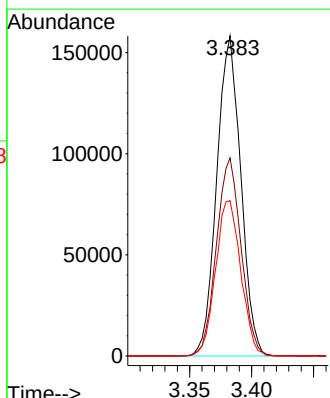
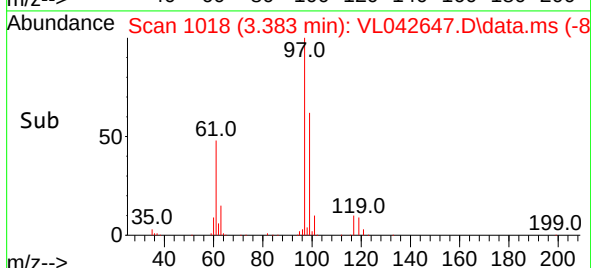
Reviewed By :Semsettin Yesilyurt 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025

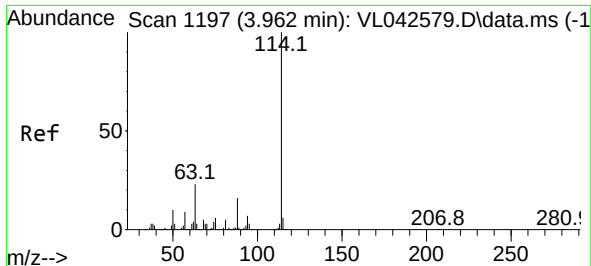


#32
 1,1,1-Trichloroethane
 Concen: 10.183 ppbv
 RT: 3.383 min Scan# 1018
 Delta R.T. 0.013 min
 Lab File: VL042647.D
 Acq: 19 Jun 2025 08:56



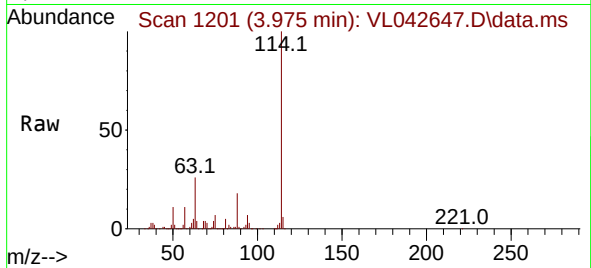
Tgt Ion: 97 Resp: 214355
 Ion Ratio Lower Upper
 97 100
 99 63.1 51.0 76.6
 61 50.9 39.4 59.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1197
Delta R.T. 0.013 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

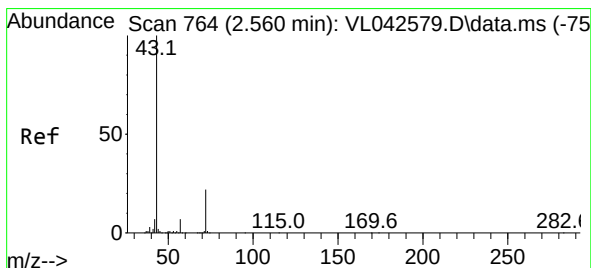
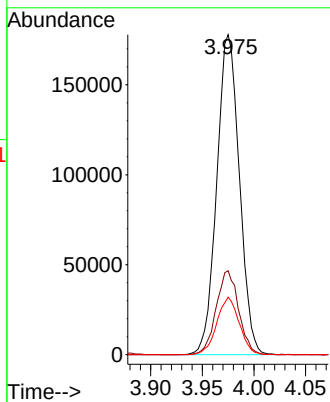
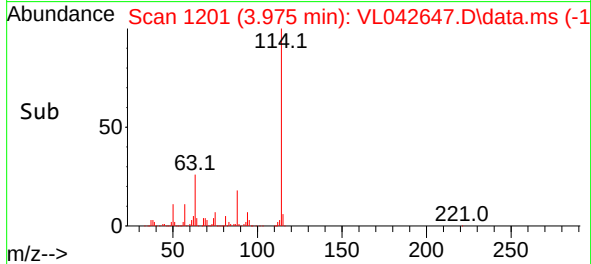
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



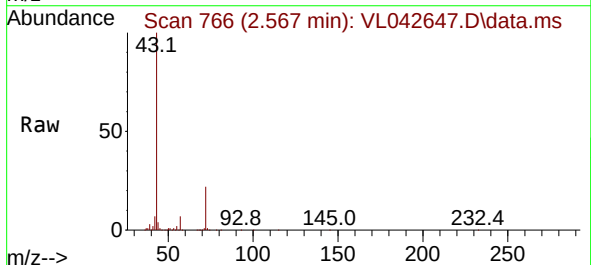
Tgt Ion:114 Resp: 27134
Ion Ratio Lower Upper
114 100
63 26.1 19.0 28.6
88 17.8 13.6 20.4

Manual Integrations
APPROVED

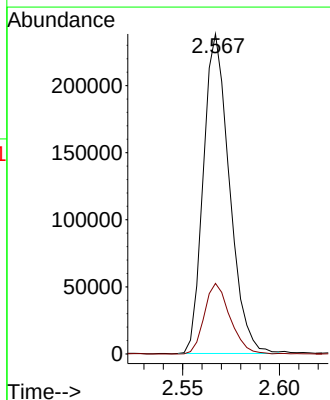
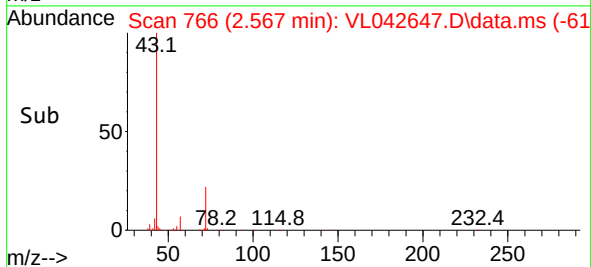
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

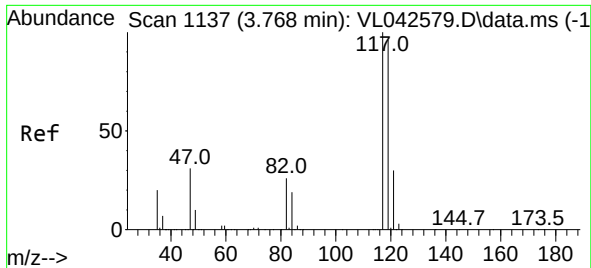


#34
2-Butanone
Concen: 11.541 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.007 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56



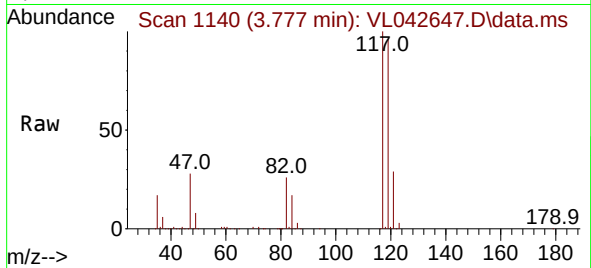
Tgt Ion: 43 Resp: 223326
Ion Ratio Lower Upper
43 100
72 21.8 17.7 26.5





#35
Carbon Tetrachloride
Concen: 12.020 ppbv
RT: 3.777 min Scan# 1137
Delta R.T. 0.010 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

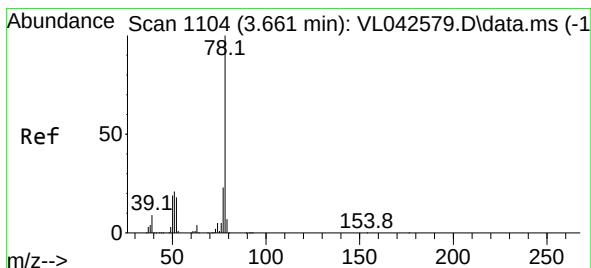
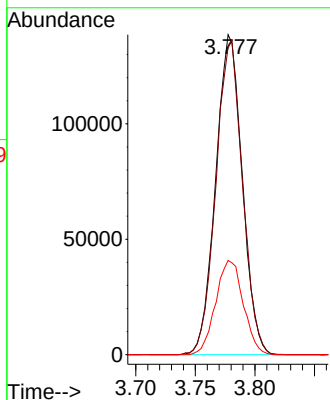
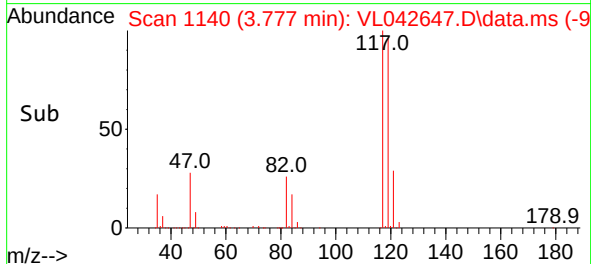
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



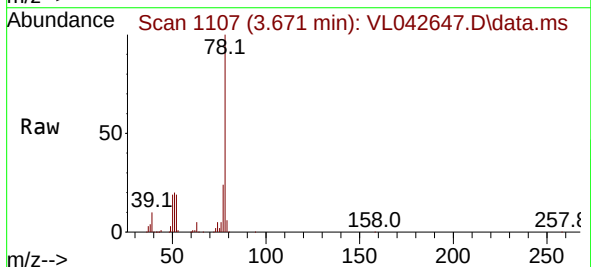
Tgt Ion:117 Resp: 215300
Ion Ratio Lower Upper
117 100
119 96.3 76.8 115.2
121 29.5 24.3 36.5

Manual Integrations
APPROVED

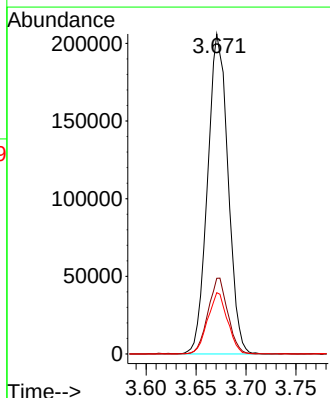
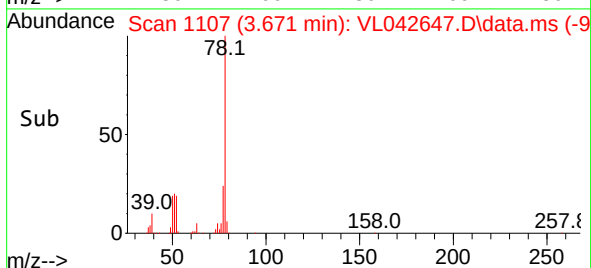
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

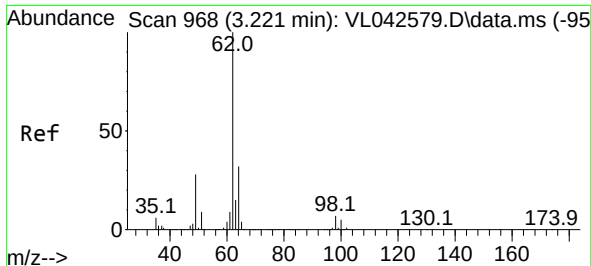


#36
Benzene
Concen: 10.989 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.010 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56



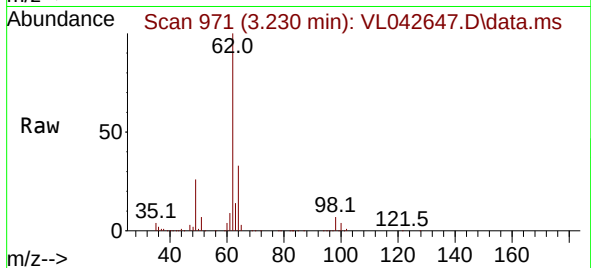
Tgt Ion: 78 Resp: 293622
Ion Ratio Lower Upper
78 100
77 23.6 18.2 27.2
50 19.1 15.2 22.8





#37
1,2-Dichloroethane
Concen: 12.538 ppbv
RT: 3.230 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

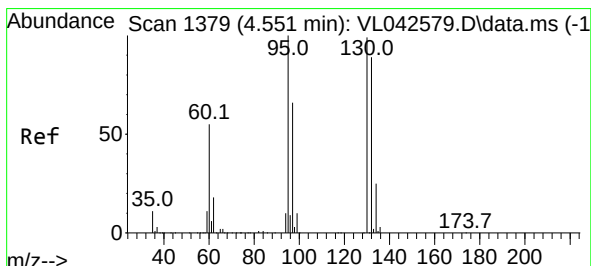
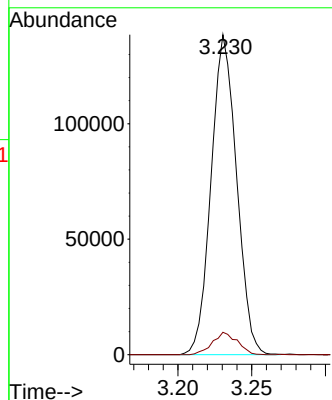
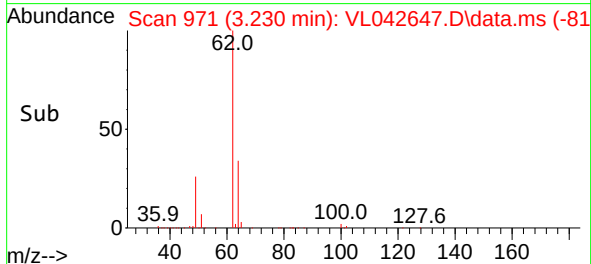
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



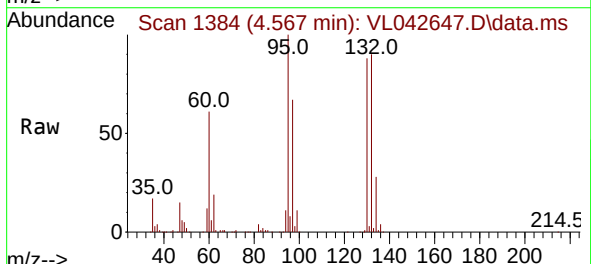
Tgt Ion: 62 Resp: 16650
Ion Ratio Lower Upper
62 100
98 6.8 6.1 9.1

Manual Integrations
APPROVED

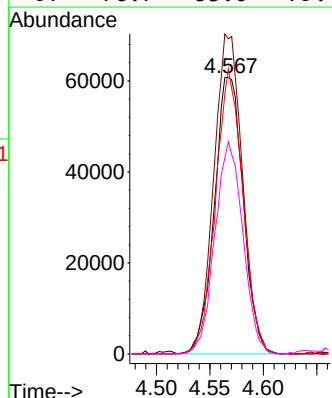
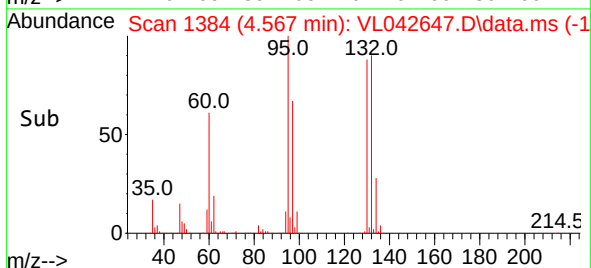
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

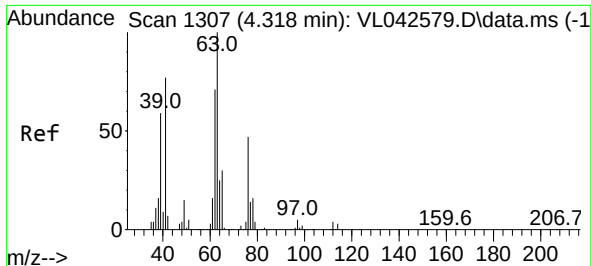


#38
Trichloroethene
Concen: 10.079 ppbv
RT: 4.567 min Scan# 1384
Delta R.T. 0.016 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56



Tgt Ion:130 Resp: 114475
Ion Ratio Lower Upper
130 100
95 114.0 80.6 121.0
132 102.9 71.8 107.6
97 76.7 53.0 79.4





#39

1,2-Dichloropropane

Concen: 11.132 ppbv

RT: 4.334 min Scan# 1312

Delta R.T. 0.016 min

Lab File: VL042647.D

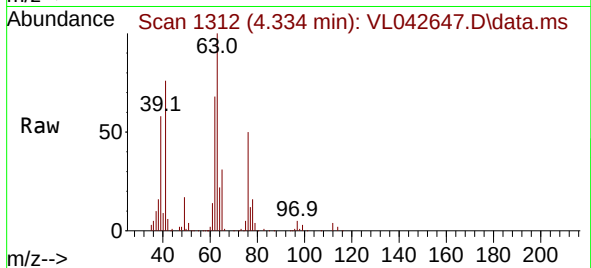
Acq: 19 Jun 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



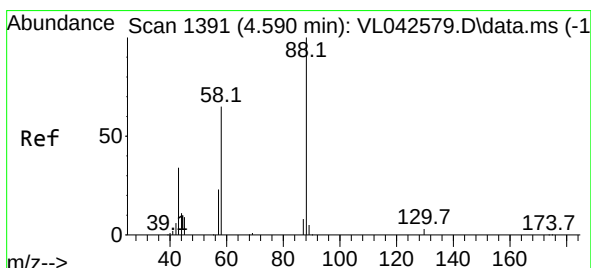
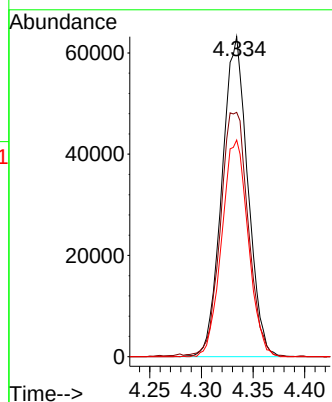
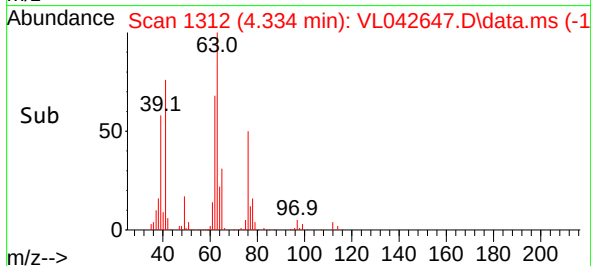
Tgt Ion: 63 Resp: 109999

Ion	Ratio	Lower	Upper
63	100		
41	75.9	61.8	92.6
62	67.7	56.6	85.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#40

1,4-Dioxane

Concen: 10.484 ppbv

RT: 4.600 min Scan# 1394

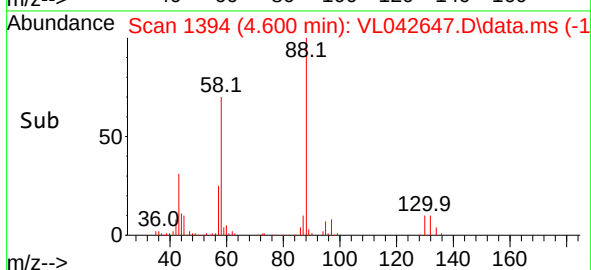
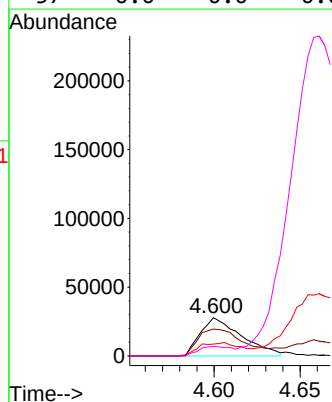
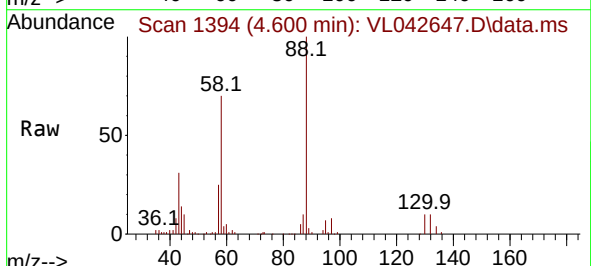
Delta R.T. 0.010 min

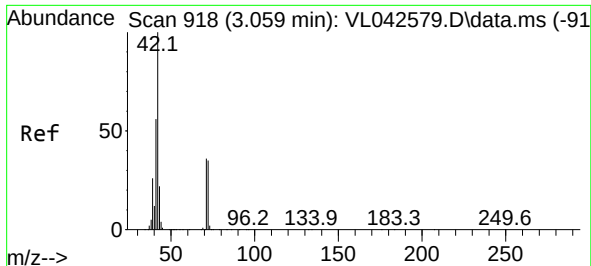
Lab File: VL042647.D

Acq: 19 Jun 2025 08:56

Tgt Ion: 88 Resp: 46358

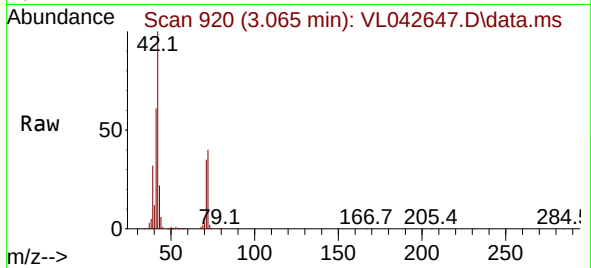
Ion	Ratio	Lower	Upper
88	100		
58	82.3	55.8	83.8
43	34.5	24.8	37.2
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 10.561 ppbv
RT: 3.065 min Scan# 918
Delta R.T. 0.006 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

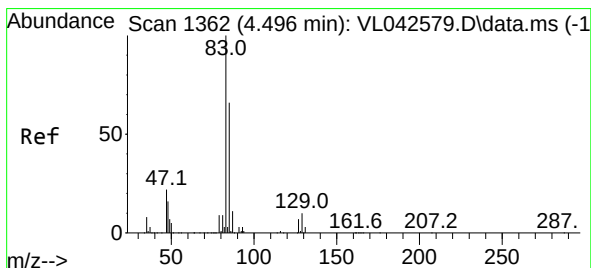
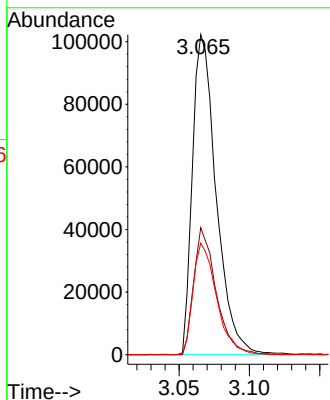
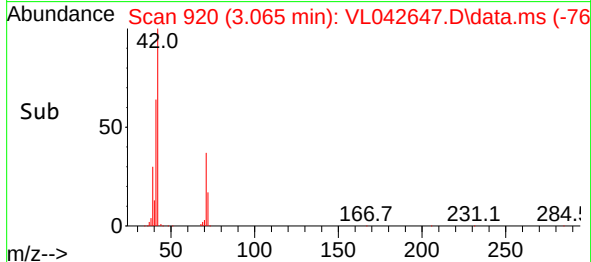
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



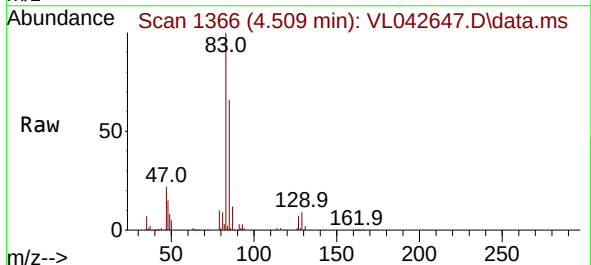
Tgt Ion: 42 Resp: 119620
Ion Ratio Lower Upper
42 100
72 37.5 28.9 43.3
71 34.5 28.5 42.7

Manual Integrations
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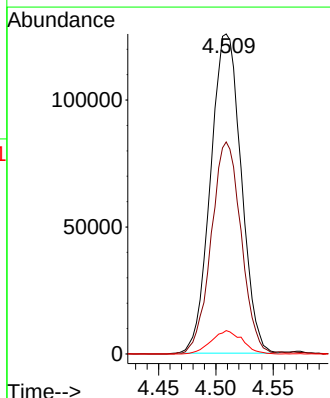
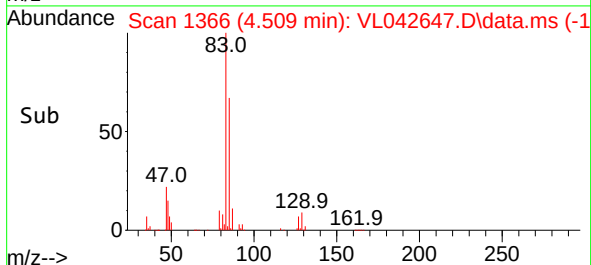
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

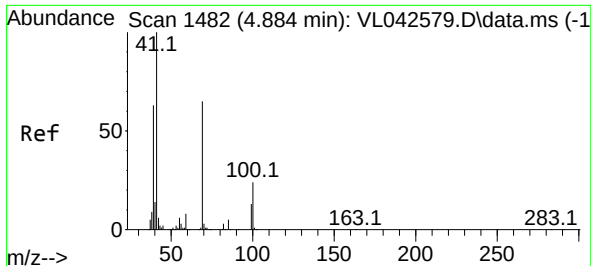


#42
Bromodichloromethane
Concen: 12.378 ppbv
RT: 4.509 min Scan# 1366
Delta R.T. 0.013 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56



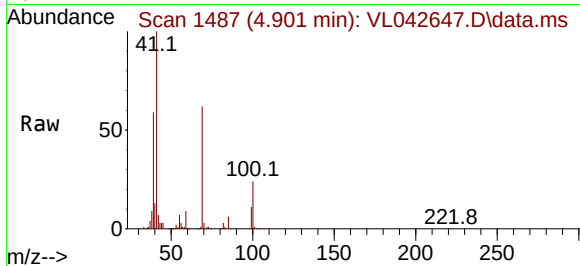
Tgt Ion: 83 Resp: 233466
Ion Ratio Lower Upper
83 100
85 66.0 52.7 79.1
127 7.3 5.8 8.6





#43
Methyl Methacrylate
Concen: 10.611 ppbv
RT: 4.901 min Scan# 1482
Delta R.T. 0.016 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

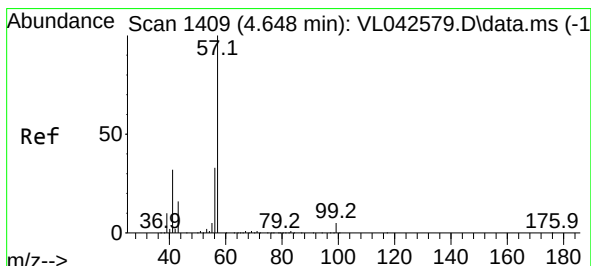
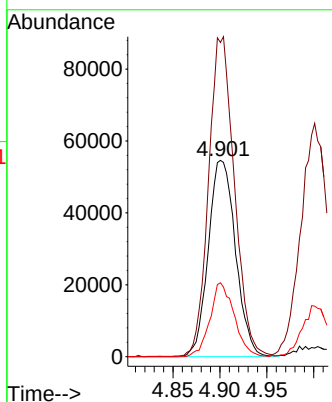
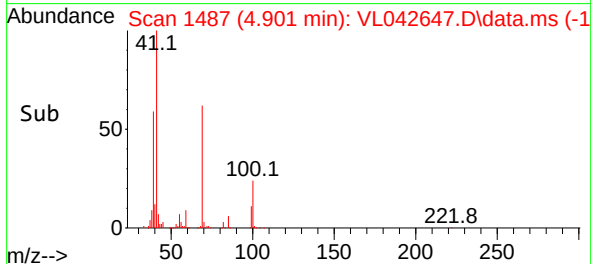
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



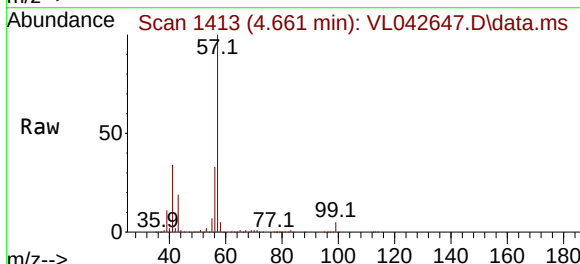
Tgt Ion: 69 Resp: 11004
Ion Ratio Lower Upper
69 100
41 155.0 124.6 187.0
100 33.6 29.9 44.9

Manual Integrations
APPROVED

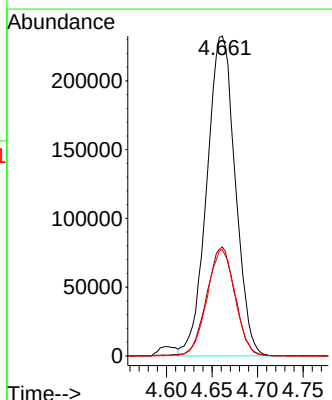
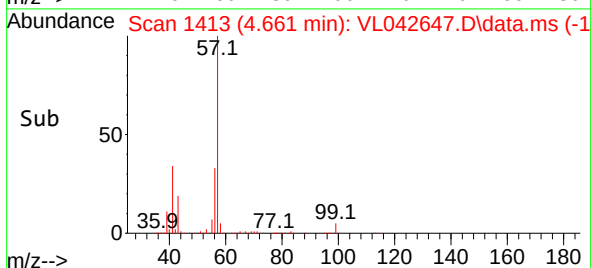
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

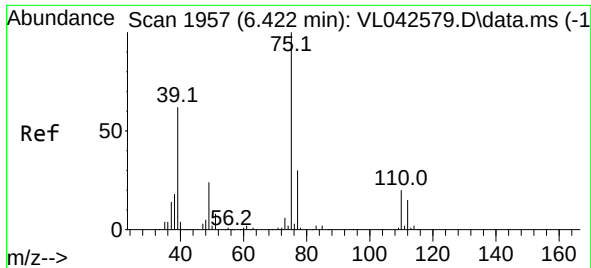


#44
2,2,4-Trimethylpentane
Concen: 11.047 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. 0.013 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56



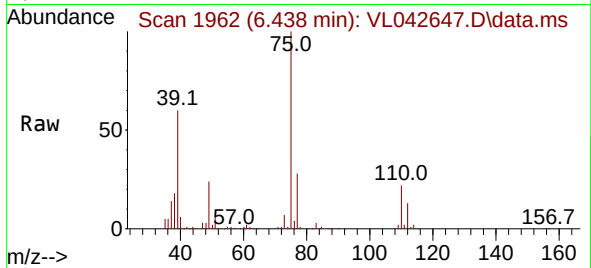
Tgt Ion: 57 Resp: 504893
Ion Ratio Lower Upper
57 100
41 34.2 26.1 39.1
56 33.0 25.9 38.9





#45
 t-1,3-Dichloropropene
 Concen: 10.611 ppbv
 RT: 6.438 min Scan# 1957
 Delta R.T. 0.016 min
 Lab File: VL042647.D
 Acq: 19 Jun 2025 08:56

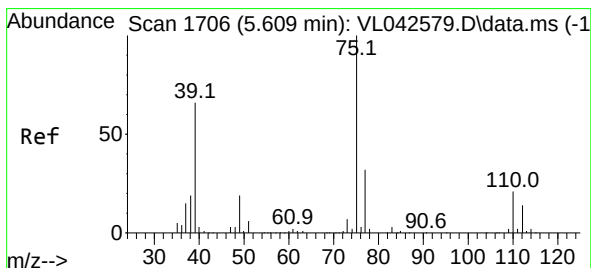
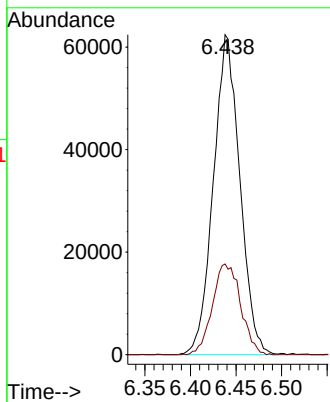
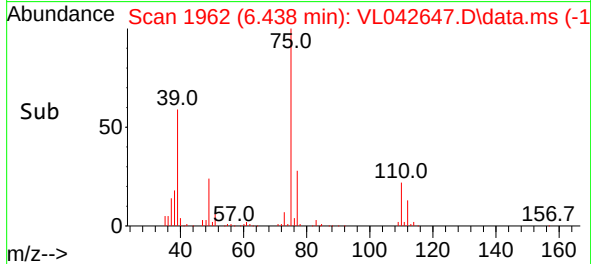
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 75 Resp: 125932
 Ion Ratio Lower Upper
 75 100
 77 28.3 24.2 36.2

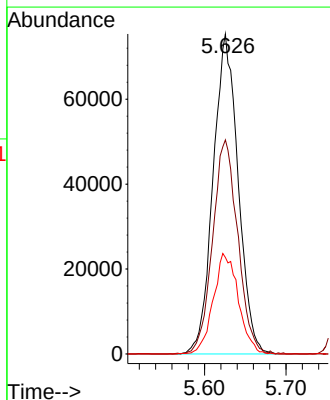
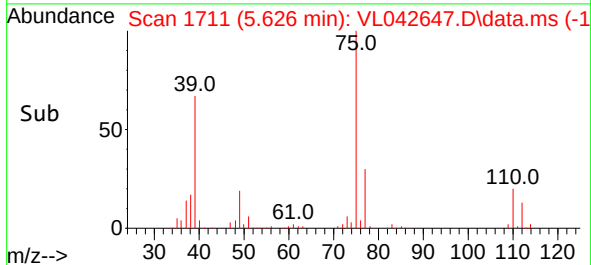
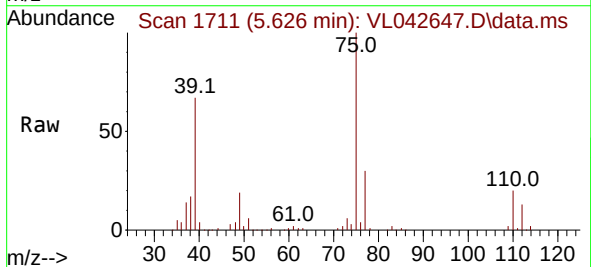
Manual Integrations
 APPROVED

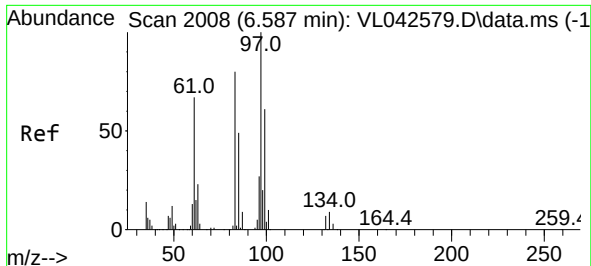
Reviewed By :Semsettin Yesilyurt 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025



#46
 cis-1,3-Dichloropropene
 Concen: 10.789 ppbv
 RT: 5.626 min Scan# 1711
 Delta R.T. 0.016 min
 Lab File: VL042647.D
 Acq: 19 Jun 2025 08:56

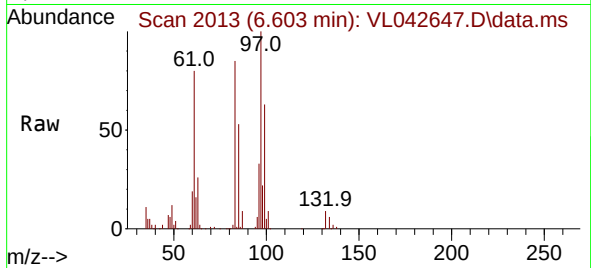
Tgt Ion: 75 Resp: 160436
 Ion Ratio Lower Upper
 75 100
 39 66.7 52.7 79.1
 77 30.1 25.8 38.8





#47
1,1,2-Trichloroethane
Concen: 11.274 ppbv
RT: 6.603 min Scan# 2008
Delta R.T. 0.016 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

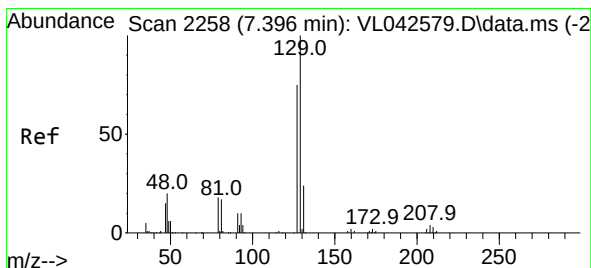
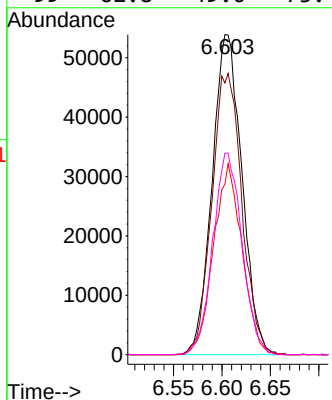
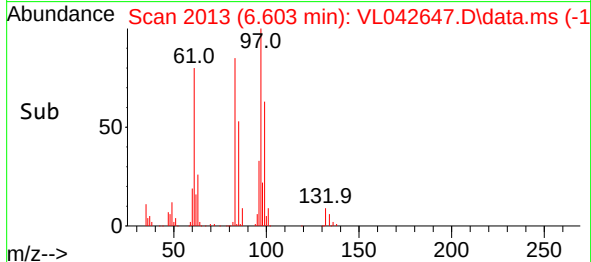
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 97 Resp: 115320
Ion Ratio Lower Upper
97 100
83 84.8 63.9 95.9
85 53.2 39.2 58.8
99 62.8 49.0 73.4

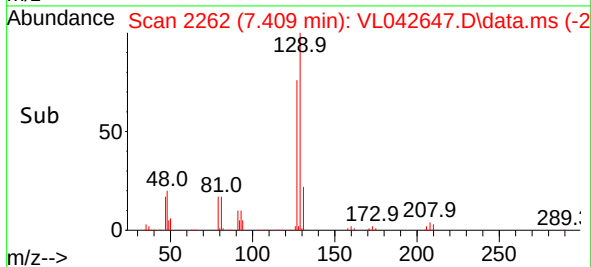
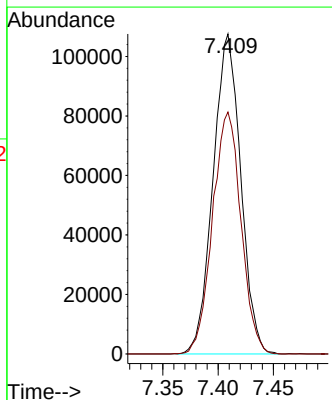
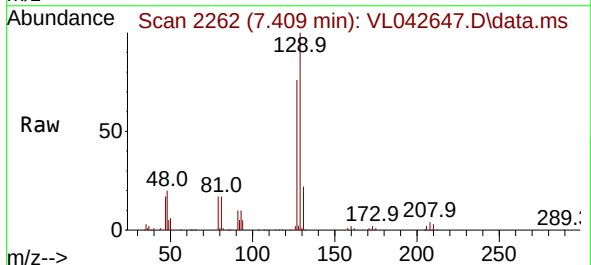
Manual Integrations
APPROVED

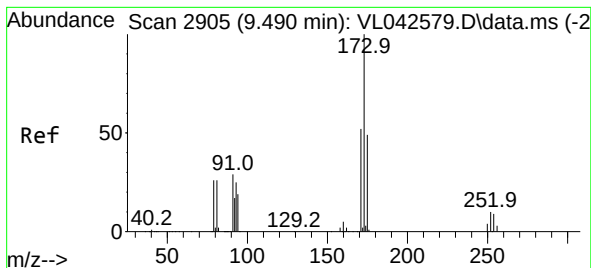
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#48
Dibromochloromethane
Concen: 11.424 ppbv
RT: 7.409 min Scan# 2262
Delta R.T. 0.013 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

Tgt Ion:129 Resp: 187063
Ion Ratio Lower Upper
129 100
127 77.7 39.0 116.9





#49

Bromoform

Concen: 11.897 ppbv

RT: 9.500 min Scan# 2905

Delta R.T. 0.010 min

Lab File: VL042647.D

Acq: 19 Jun 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

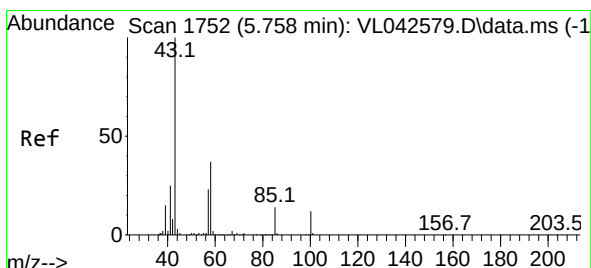
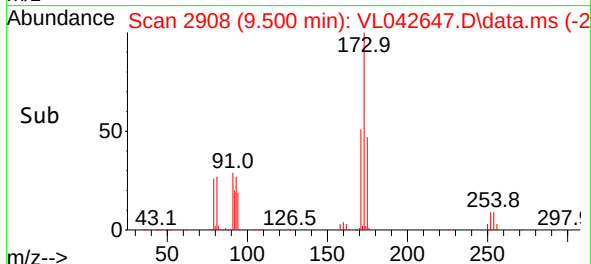
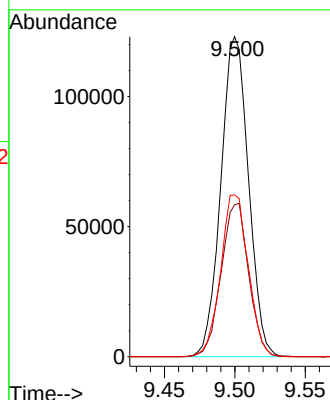
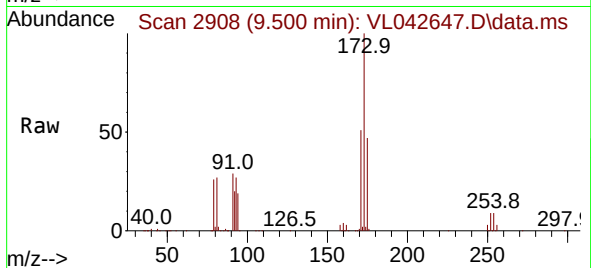
VSTDCCC010

Tgt Ion:173 Resp: 168088
 Ion Ratio Lower Upper
 173 100
 175 47.8 38.7 58.1
 171 50.6 41.2 61.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025



#50

4-Methyl-2-Pentanone

Concen: 11.136 ppbv

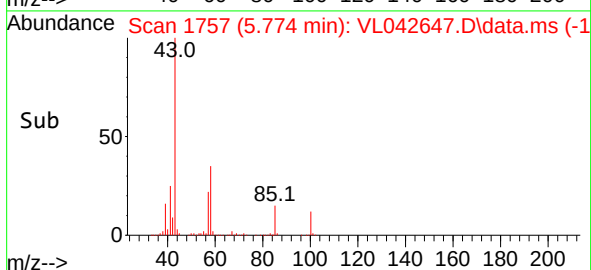
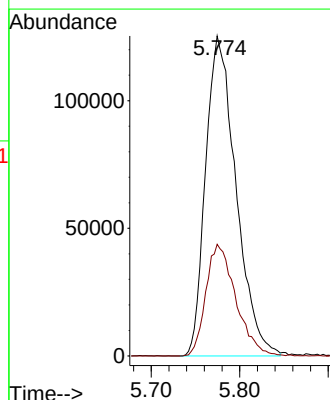
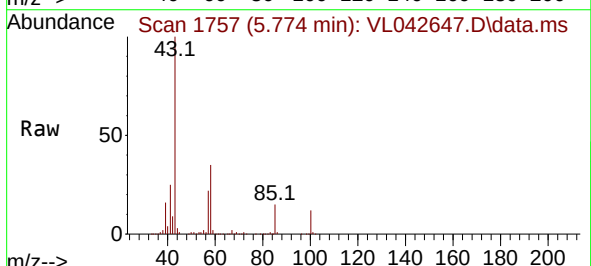
RT: 5.774 min Scan# 1757

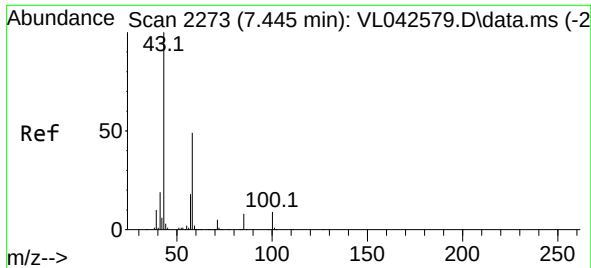
Delta R.T. 0.016 min

Lab File: VL042647.D

Acq: 19 Jun 2025 08:56

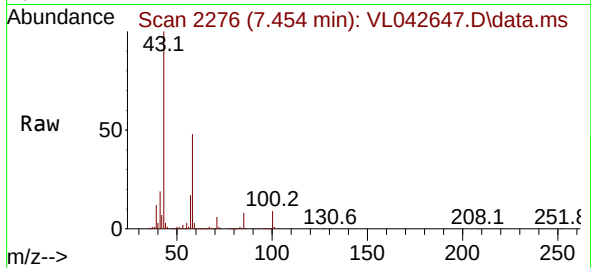
Tgt Ion: 43 Resp: 298895
 Ion Ratio Lower Upper
 43 100
 58 34.3 28.3 42.5





#51
2-Hexanone
Concen: 11.175 ppbv
RT: 7.454 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

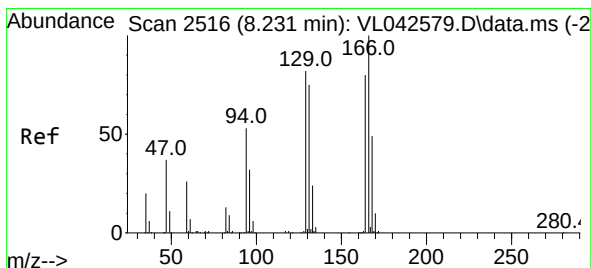
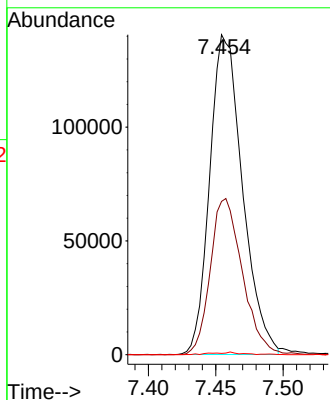
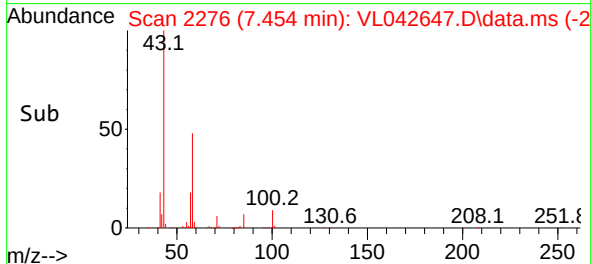
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 237889
Ion Ratio Lower Upper
43 100
58 48.0 39.9 59.9
98 0.8 0.1 0.1

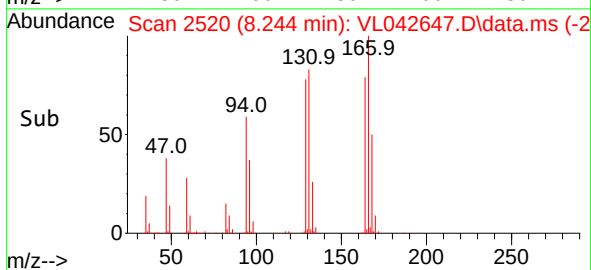
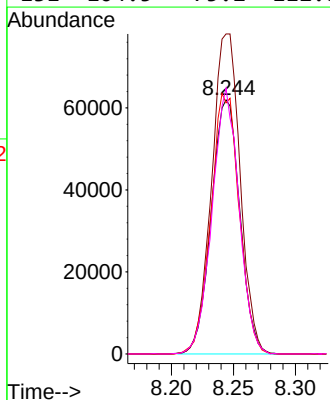
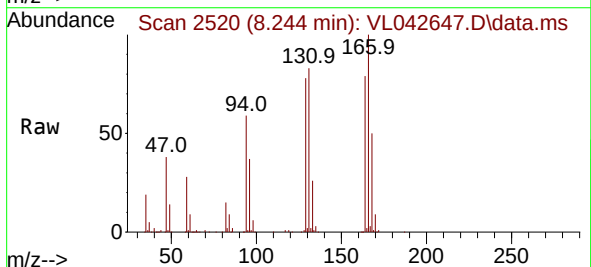
Manual Integrations
APPROVED

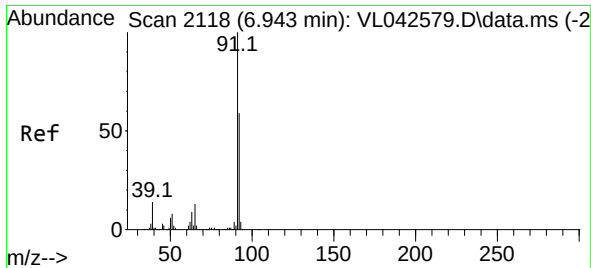
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#52
Tetrachloroethene
Concen: 9.974 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.013 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

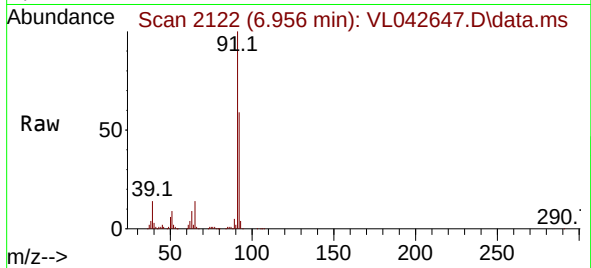
Tgt Ion:164 Resp: 99591
Ion Ratio Lower Upper
164 100
166 125.9 100.0 150.0
129 98.8 82.2 123.4
131 104.5 75.2 112.8





#53
Toluene
Concen: 10.354 ppbv
RT: 6.956 min Scan# 2118
Delta R.T. 0.013 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

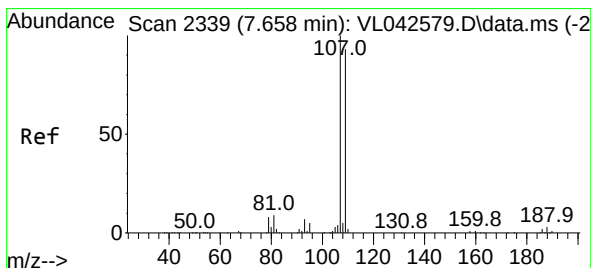
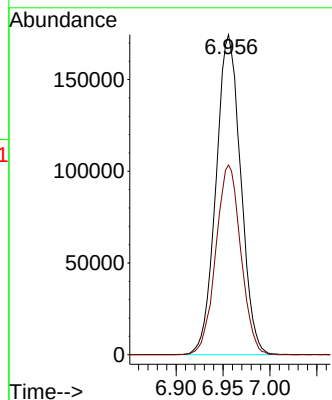
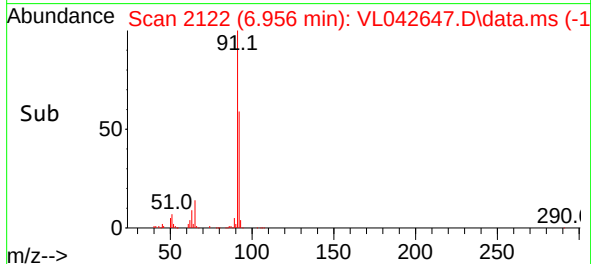
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



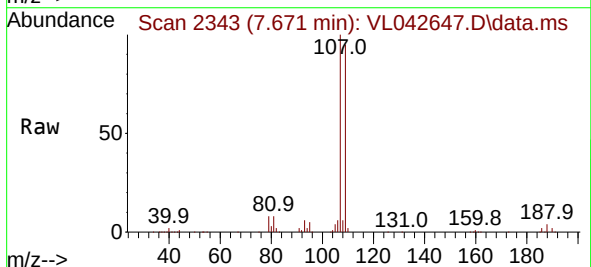
Tgt Ion: 91 Resp: 31975
Ion Ratio Lower Upper
91 100
92 59.9 48.2 72.4

Manual Integrations
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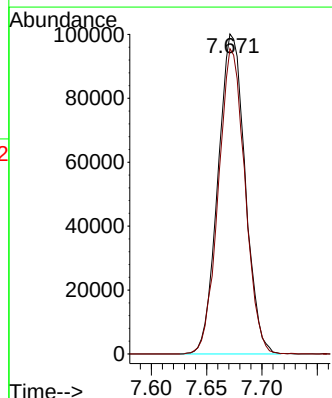
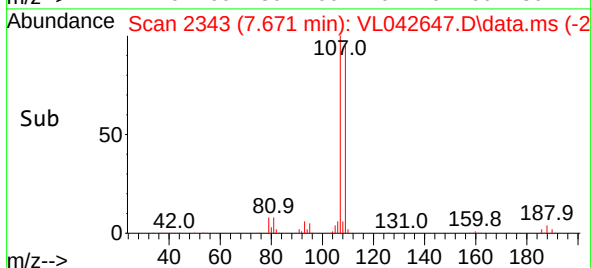
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

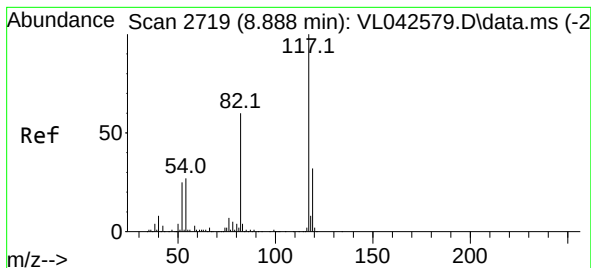


#54
1,2-Dibromoethane
Concen: 11.282 ppbv
RT: 7.671 min Scan# 2343
Delta R.T. 0.013 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56



Tgt Ion:107 Resp: 170816
Ion Ratio Lower Upper
107 100
109 95.4 74.3 111.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.898 min Scan# 2719

Delta R.T. 0.010 min

Lab File: VL042647.D

Acq: 19 Jun 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

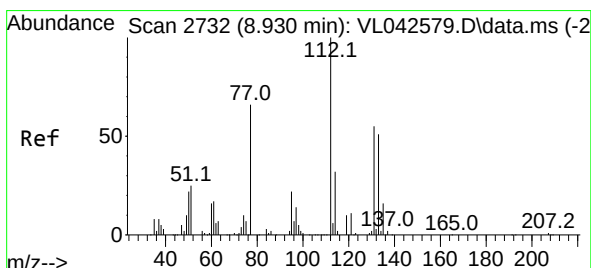
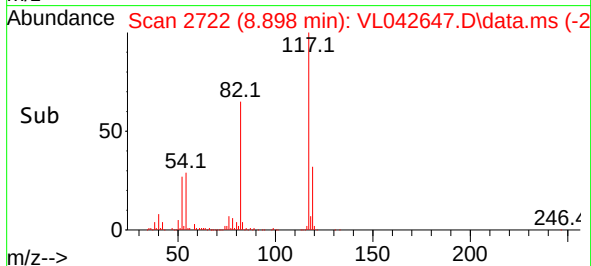
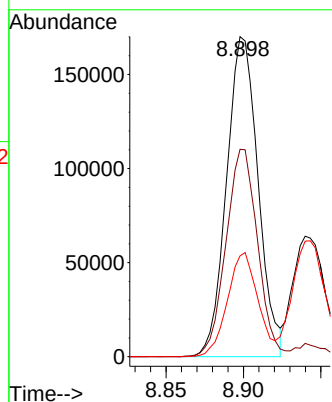
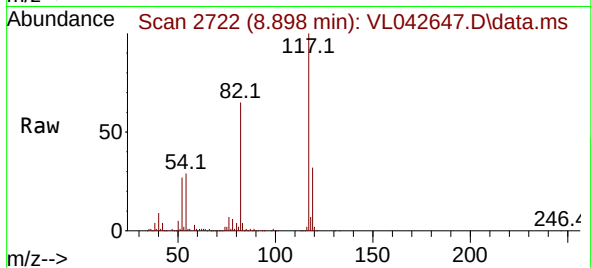
Tgt Ion:117 Resp: 24143

Ion	Ratio	Lower	Upper
117	100		
82	68.5	51.2	76.8
119	31.6	26.3	39.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 11.959 ppbv

RT: 8.943 min Scan# 2736

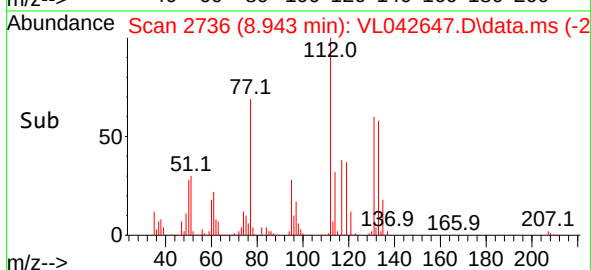
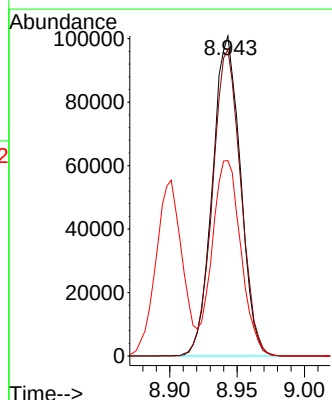
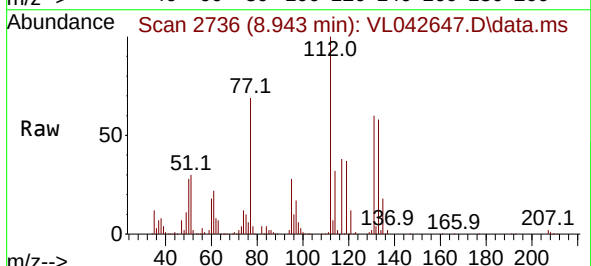
Delta R.T. 0.013 min

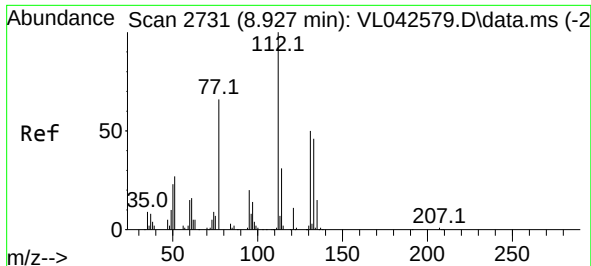
Lab File: VL042647.D

Acq: 19 Jun 2025 08:56

Tgt Ion:131 Resp: 145178

Ion	Ratio	Lower	Upper
131	100		
133	96.9	75.0	112.6
119	61.2	50.8	76.2





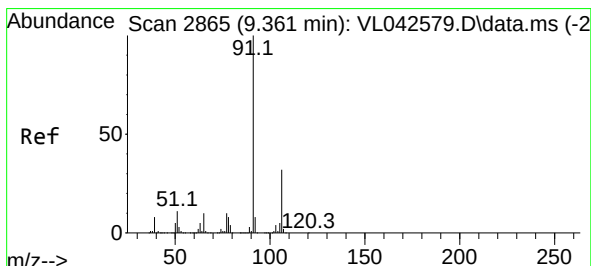
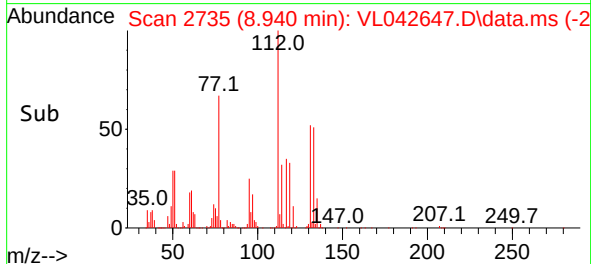
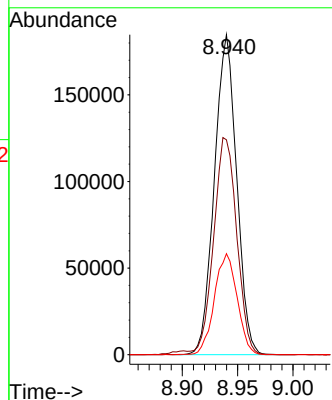
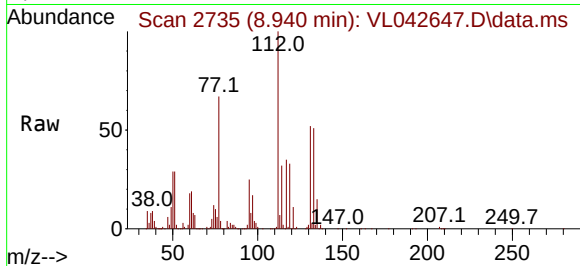
#57
Chlorobenzene
Concen: 11.034 ppbv
RT: 8.940 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 25868
Ion Ratio Lower Upper
112 100
77 67.1 53.5 80.3
114 31.6 27.8 34.0

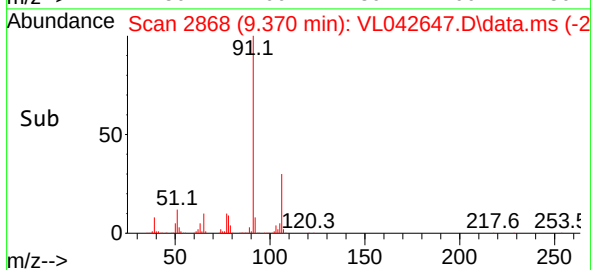
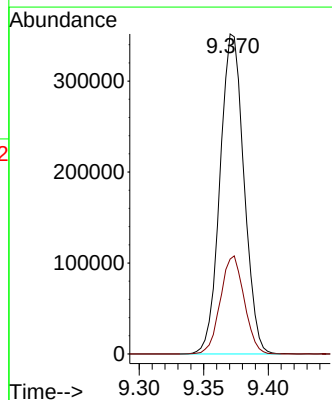
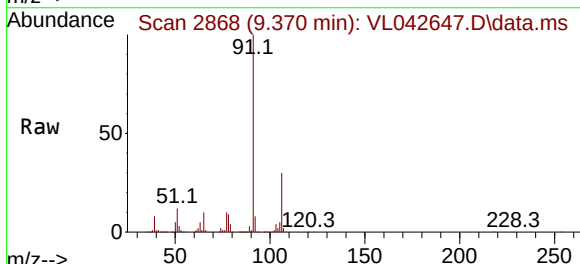
Manual Integrations
APPROVED

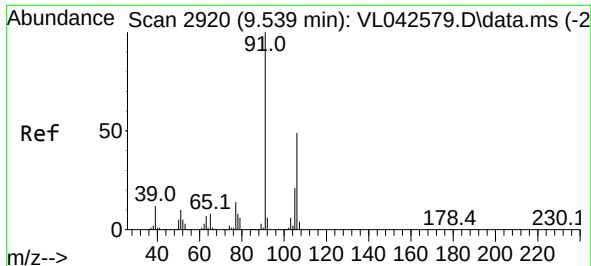
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#58
Ethyl Benzene
Concen: 11.070 ppbv
RT: 9.370 min Scan# 2868
Delta R.T. 0.010 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

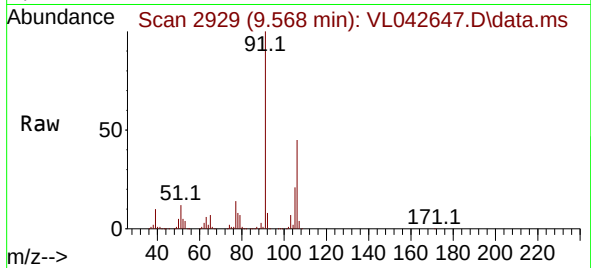
Tgt Ion: 91 Resp: 453357
Ion Ratio Lower Upper
91 100
106 29.7 25.9 38.9





#59
m/p-Xylene
Concen: 23.676 ppbv m
RT: 9.568 min Scan# 2920
Delta R.T. 0.029 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

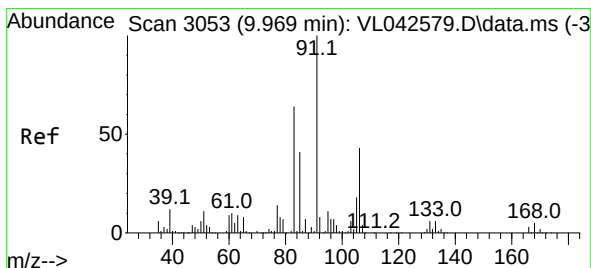
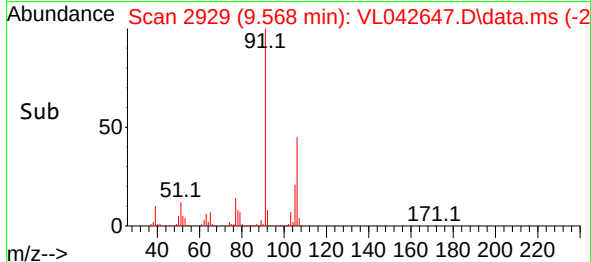
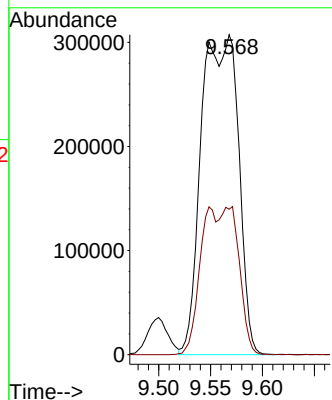
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 91 Resp: 763052
Ion Ratio Lower Upper
91 100
106 0.0 38.8 58.2

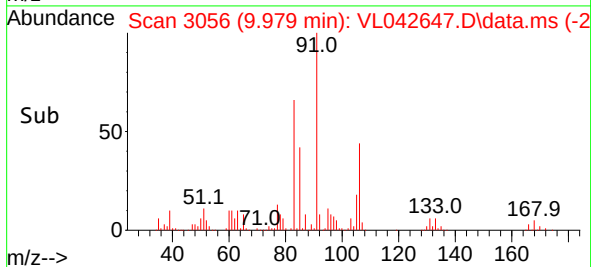
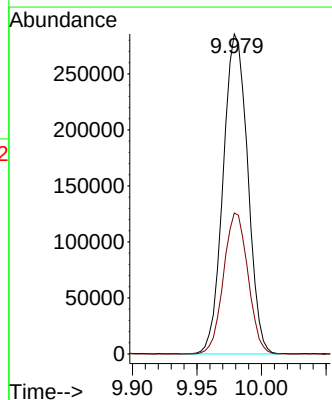
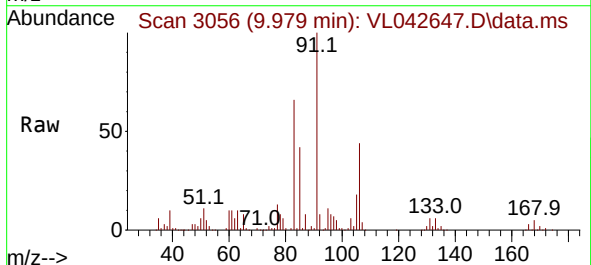
Manual Integrations
APPROVED

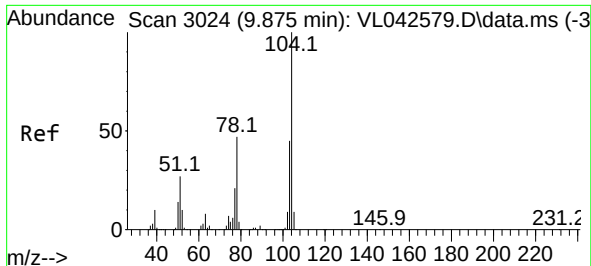
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#60
o-Xylene
Concen: 11.756 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. 0.010 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

Tgt Ion: 91 Resp: 377860
Ion Ratio Lower Upper
91 100
106 43.9 22.9 68.5





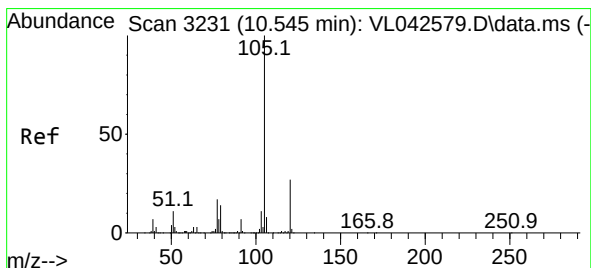
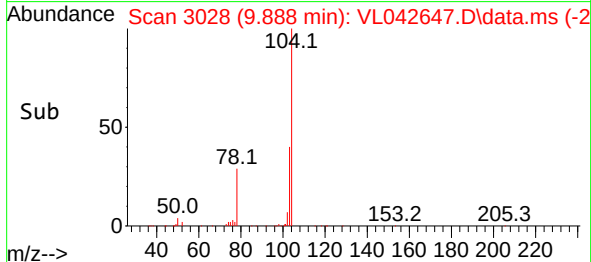
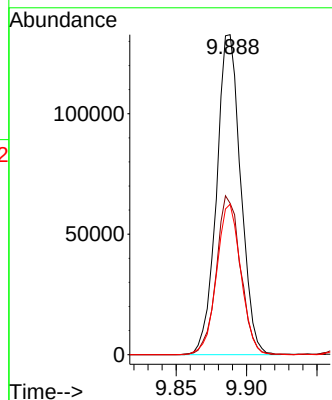
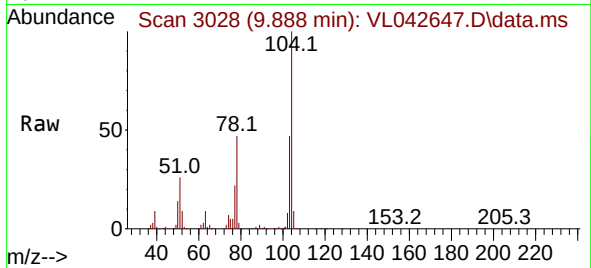
#61
Styrene
Concen: 10.422 ppbv
RT: 9.888 min Scan# 3024
Delta R.T. 0.013 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 15838
Ion Ratio Lower Upper
104 100
78 49.9 38.2 57.4
103 47.4 36.7 55.1

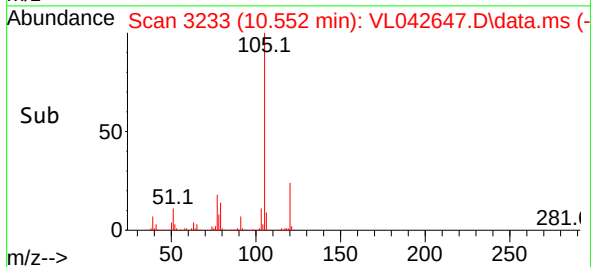
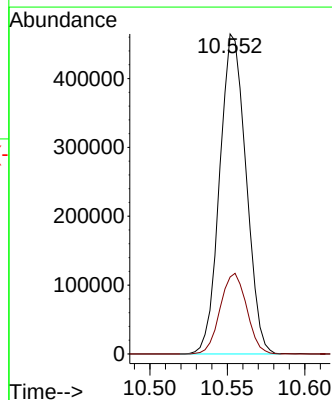
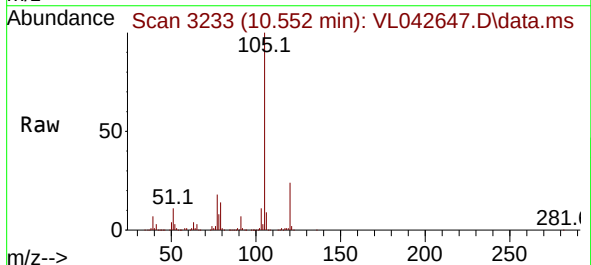
Manual Integrations
APPROVED

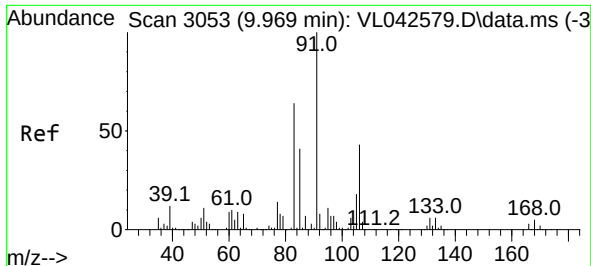
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#62
Isopropylbenzene
Concen: 11.551 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. 0.007 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

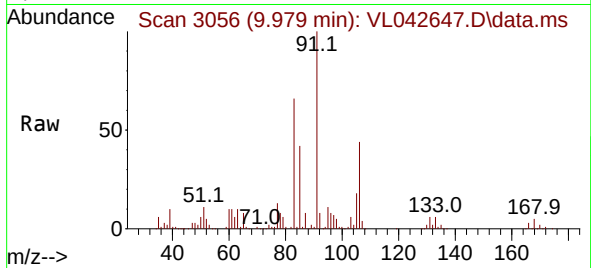
Tgt Ion:105 Resp: 548530
Ion Ratio Lower Upper
105 100
120 25.4 20.9 31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 12.106 ppbv
RT: 9.979 min Scan# 3053
Delta R.T. 0.010 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

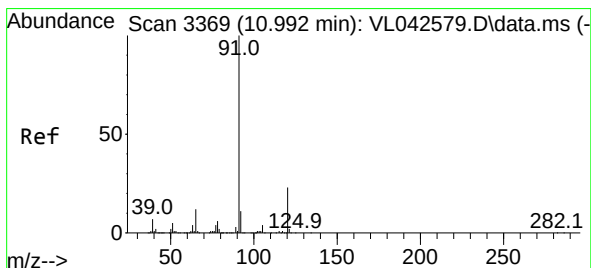
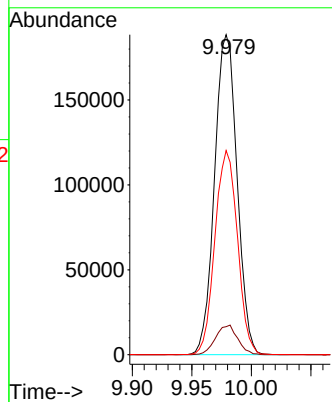
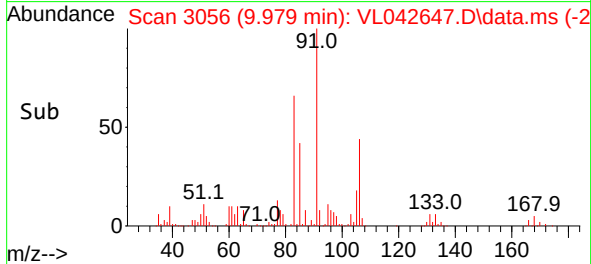
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



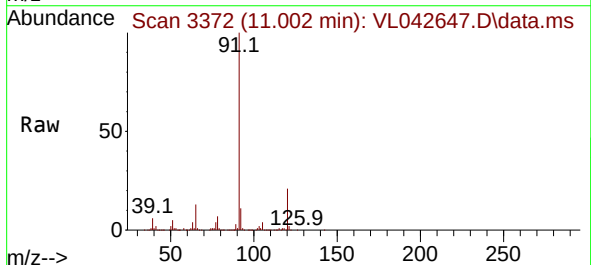
Tgt Ion: 83 Resp: 247429
Ion Ratio Lower Upper
83 100
131 9.1 4.8 14.4
85 63.9 32.5 97.4

Manual Integrations
APPROVED

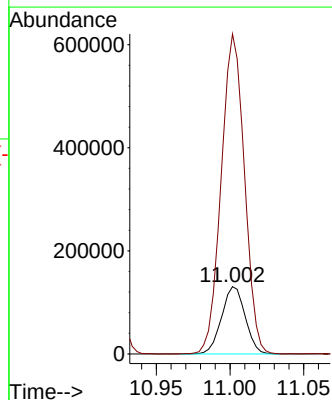
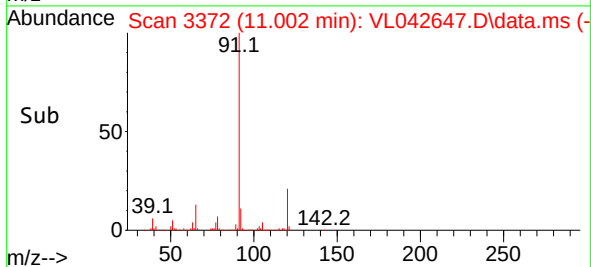
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

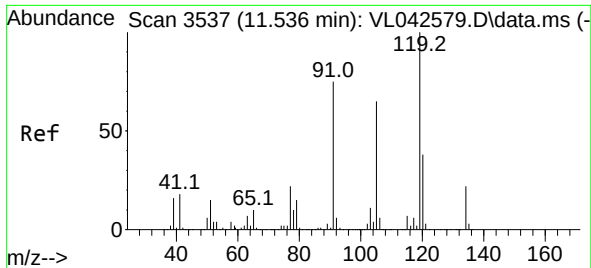


#64
n-propylbenzene
Concen: 11.407 ppbv
RT: 11.002 min Scan# 3372
Delta R.T. 0.010 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56



Tgt Ion:120 Resp: 145207
Ion Ratio Lower Upper
120 100
91 469.9 363.0 544.6





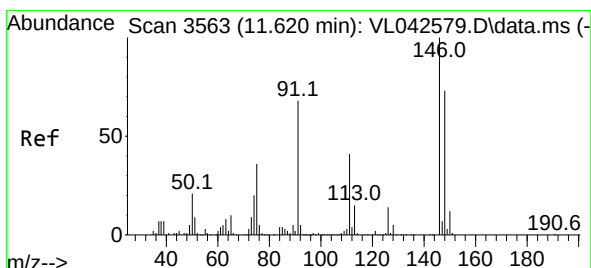
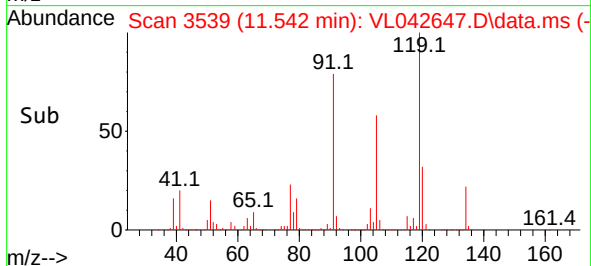
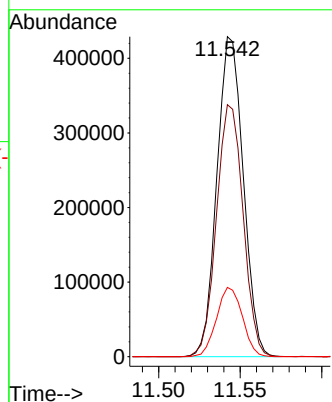
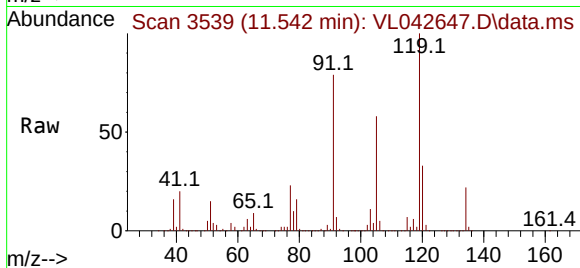
#65
tert-Butylbenzene
Concen: 11.202 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.007 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 482749
Ion Ratio Lower Upper
119 100
91 79.5 61.1 91.7
134 21.2 17.4 26.2

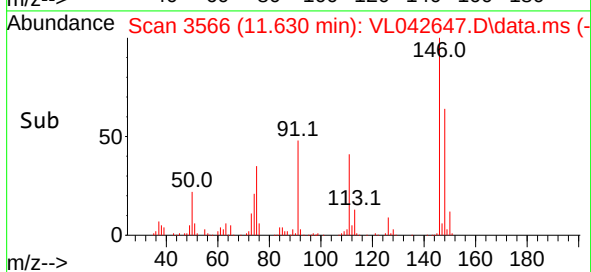
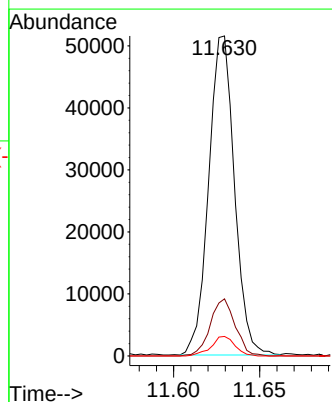
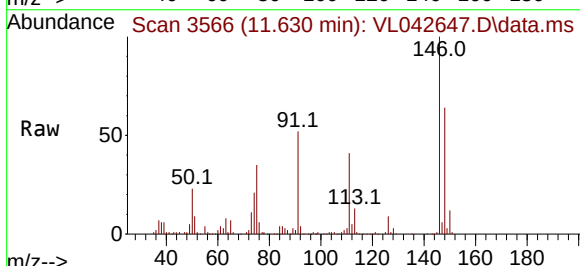
Manual Integrations
APPROVED

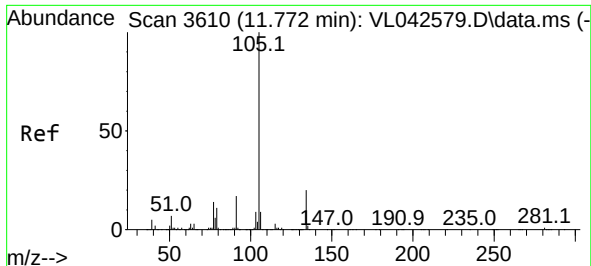
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#66
Benzyl Chloride
Concen: 9.674 ppbv
RT: 11.630 min Scan# 3566
Delta R.T. 0.010 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

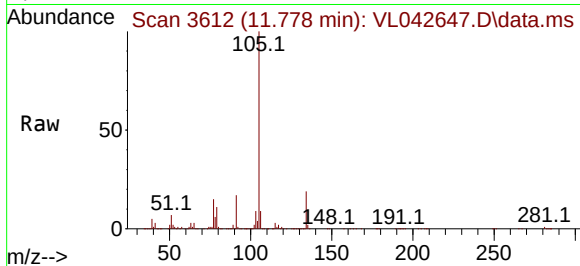
Tgt Ion: 91 Resp: 53662
Ion Ratio Lower Upper
91 100
126 17.3 15.1 22.7
128 5.7 5.0 7.6





#67
 sec-Butylbenzene
 Concen: 11.398 ppbv
 RT: 11.778 min Scan# 3612
 Delta R.T. 0.006 min
 Lab File: VL042647.D
 Acq: 19 Jun 2025 08:56

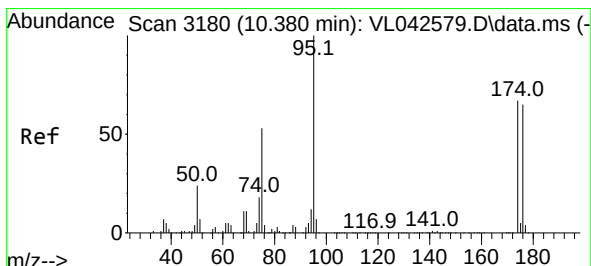
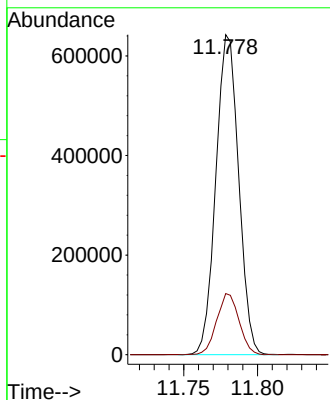
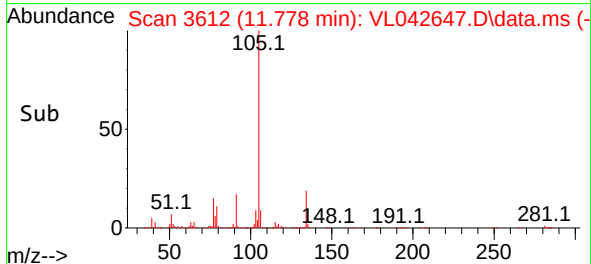
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



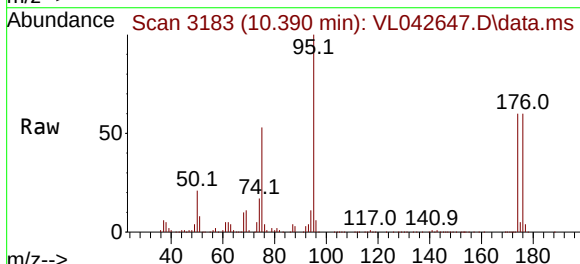
Tgt Ion:105 Resp: 69056
 Ion Ratio Lower Upper
 105 100
 134 18.8 15.8 23.6

Manual Integrations
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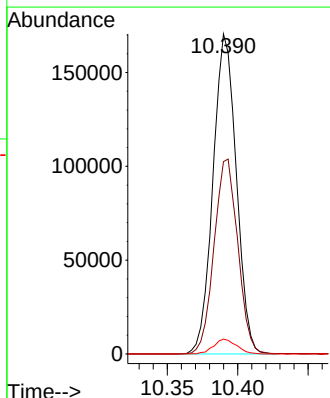
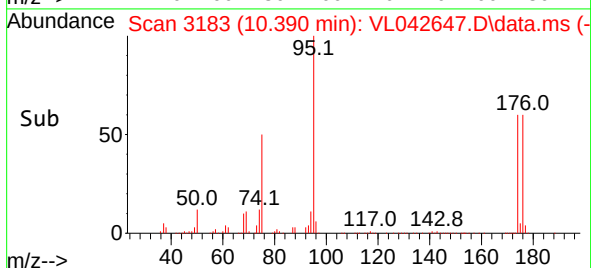
Reviewed By :Semsettin Yesilyurt 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025

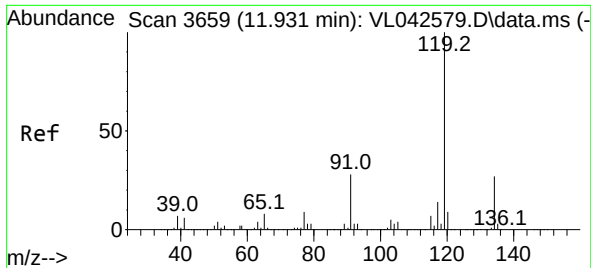


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.861 ppbv
 RT: 10.390 min Scan# 3183
 Delta R.T. 0.010 min
 Lab File: VL042647.D
 Acq: 19 Jun 2025 08:56



Tgt Ion: 95 Resp: 196559
 Ion Ratio Lower Upper
 95 100
 174 62.1 53.1 79.7
 175 4.6 4.2 6.2





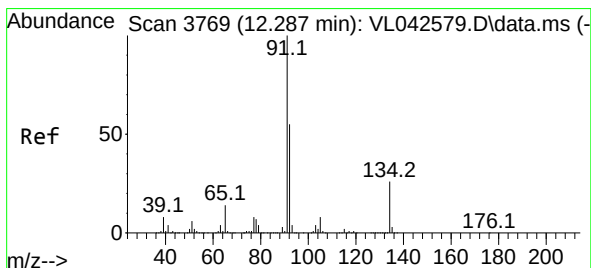
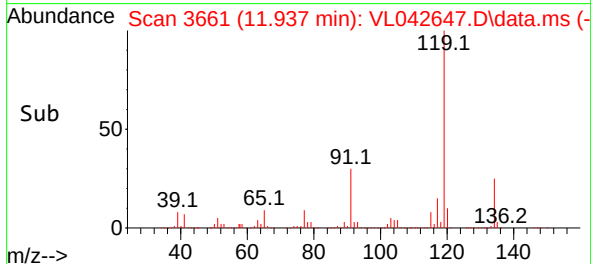
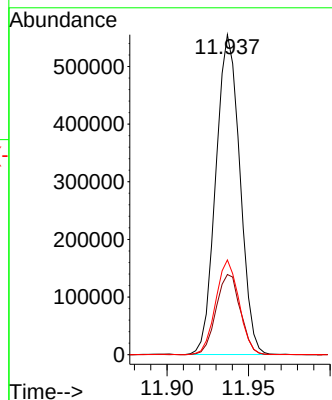
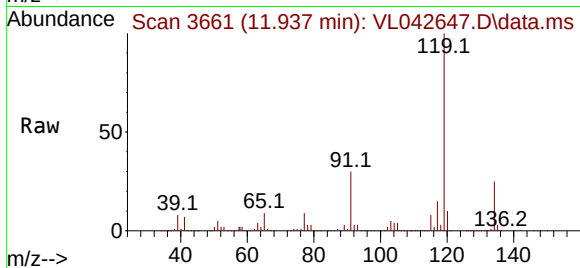
#69
p-Isopropyltoluene
Concen: 11.219 ppbv
RT: 11.937 min Scan# 3661
Delta R.T. 0.006 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

Tgt Ion: 119 Resp: 56918
Ion Ratio Lower Upper
119 100
134 25.4 21.1 31.7
91 28.9 21.9 32.9

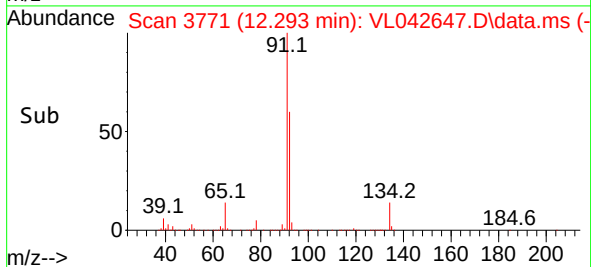
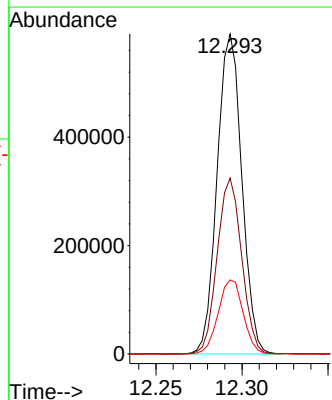
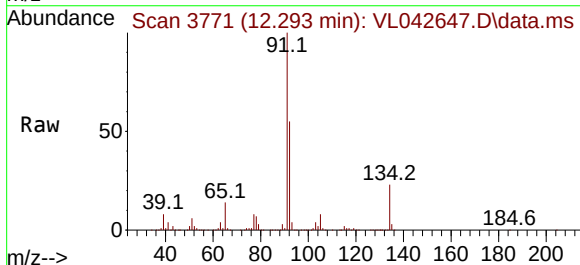
Manual Integrations
APPROVED

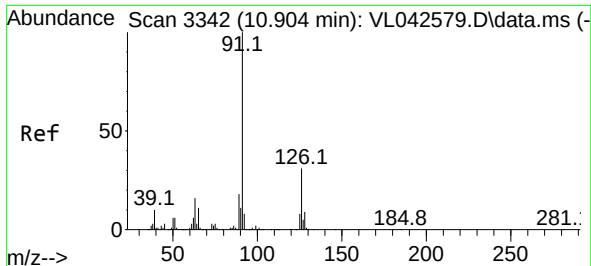
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#70
n-Butylbenzene
Concen: 11.766 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. 0.007 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

Tgt Ion: 91 Resp: 589246
Ion Ratio Lower Upper
91 100
92 54.5 44.4 66.6
134 23.4 20.1 30.1





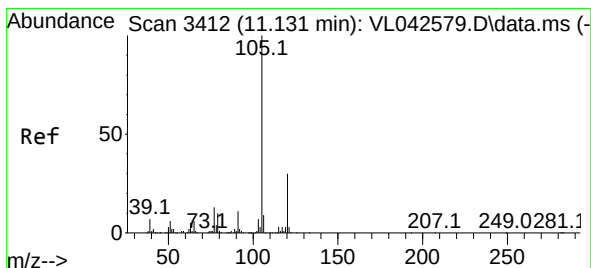
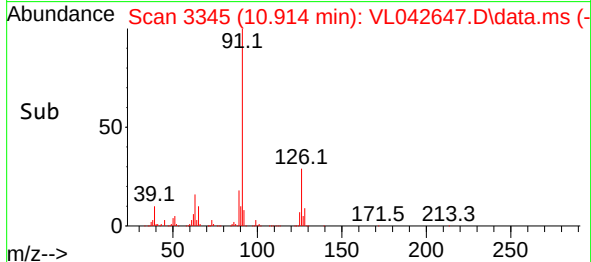
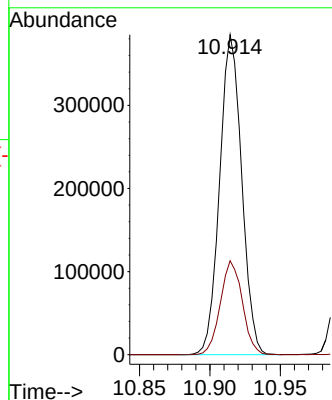
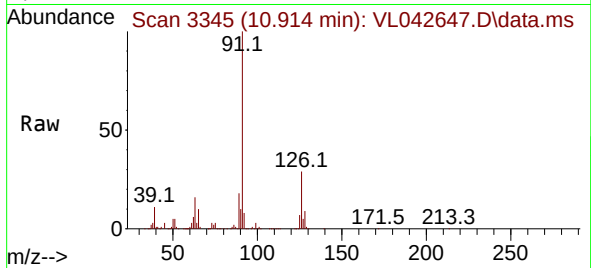
#71
2-Chlorotoluene
Concen: 11.577 ppbv
RT: 10.914 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 41935
Ion Ratio Lower Upper
91 100
126 29.3 12.6 50.4

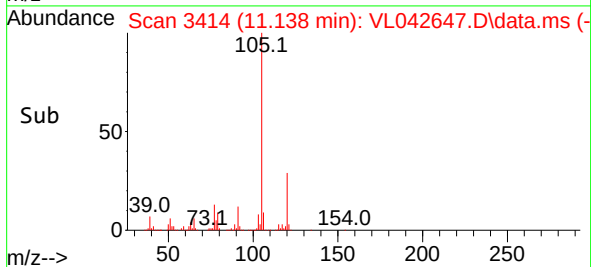
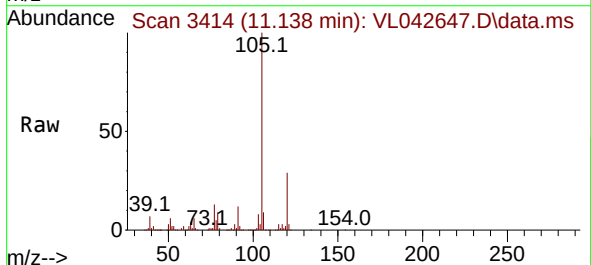
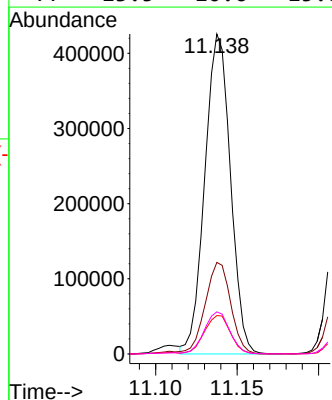
Manual Integrations
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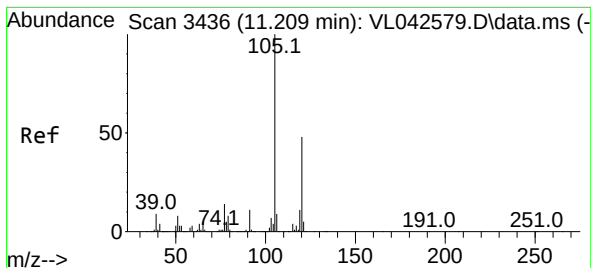
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#72
4-Ethyltoluene
Concen: 11.607 ppbv
RT: 11.138 min Scan# 3414
Delta R.T. 0.006 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

Tgt Ion:105 Resp: 465148
Ion Ratio Lower Upper
105 100
120 29.2 24.6 36.8
91 12.8 9.6 14.4
77 13.5 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 11.615 ppbv

RT: 11.215 min Scan# 3436

Delta R.T. 0.007 min

Lab File: VL042647.D

Acq: 19 Jun 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 38525

Ion Ratio Lower Upper

105 100

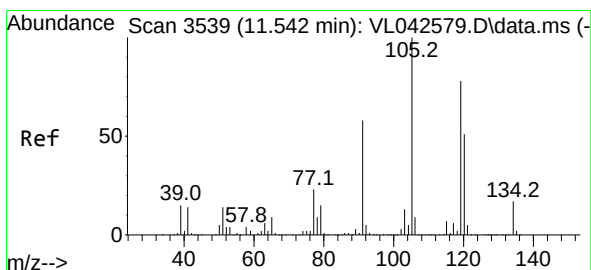
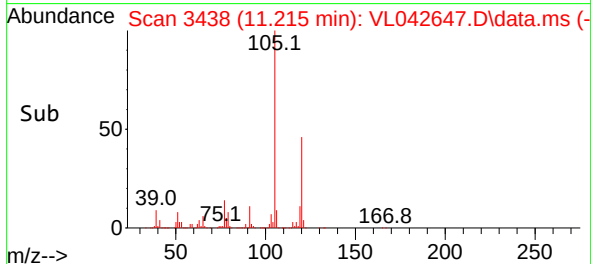
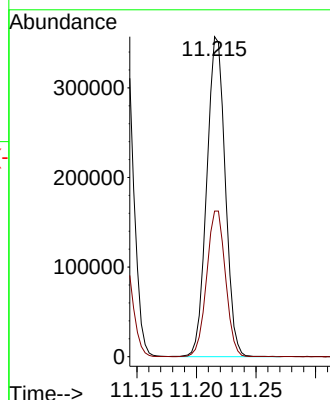
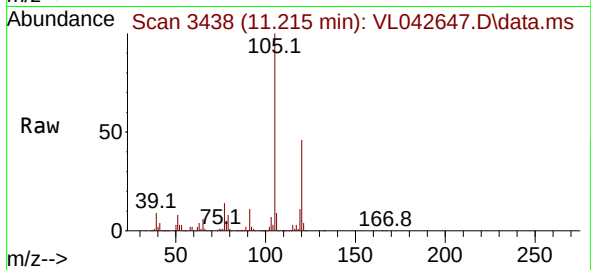
120 45.5 38.8 58.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.734 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. 0.007 min

Lab File: VL042647.D

Acq: 19 Jun 2025 08:56

Tgt Ion:105 Resp: 431897

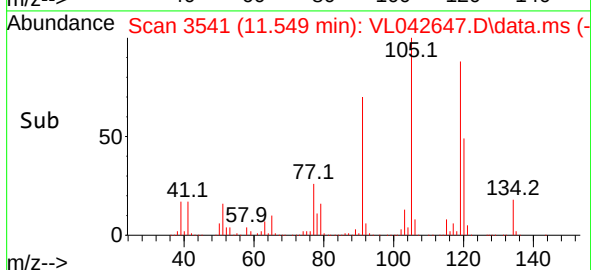
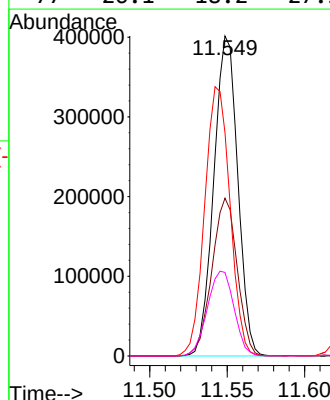
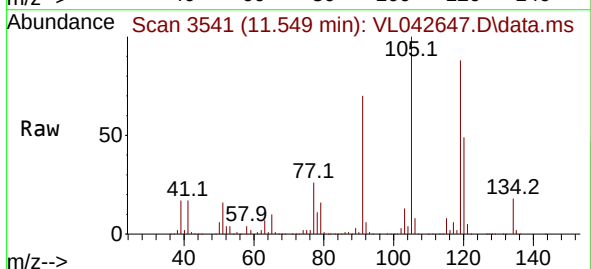
Ion Ratio Lower Upper

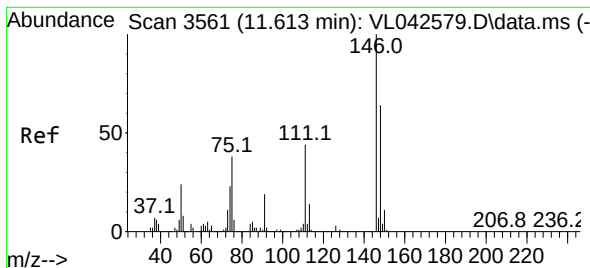
105 100

120 49.3 40.8 61.2

91 69.7 46.8 70.2

77 26.1 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 11.512 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.006 min

Lab File: VL042647.D

Acq: 19 Jun 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 266086

Ion Ratio Lower Upper

146 100

111 44.7 22.4 67.3

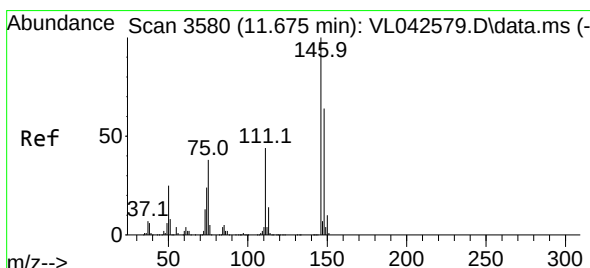
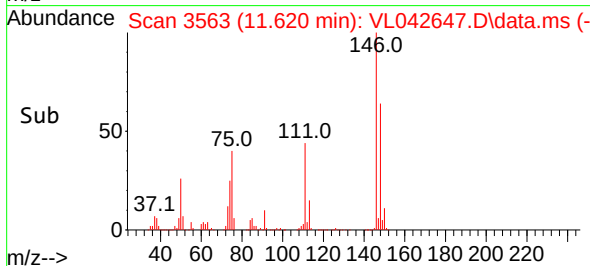
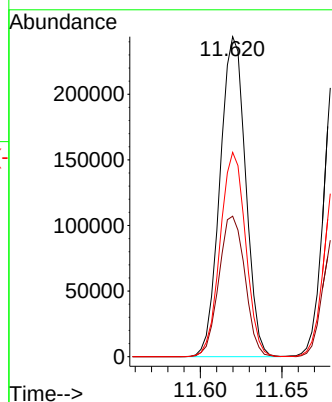
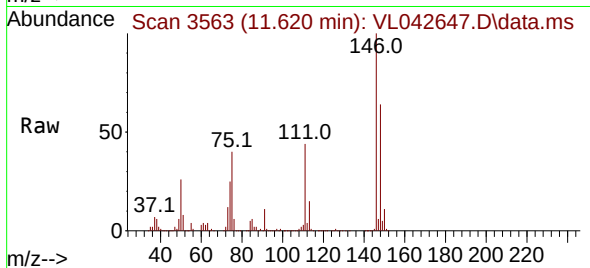
148 63.5 32.0 96.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025



#76

1,4-Dichlorobenzene

Concen: 11.560 ppbv

RT: 11.685 min Scan# 3583

Delta R.T. 0.010 min

Lab File: VL042647.D

Acq: 19 Jun 2025 08:56

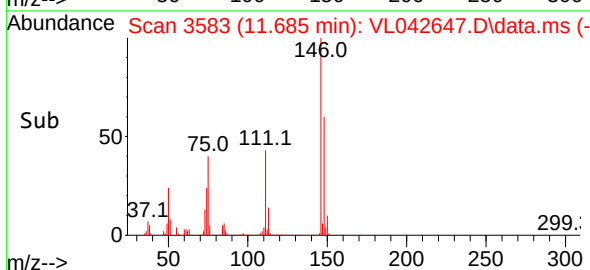
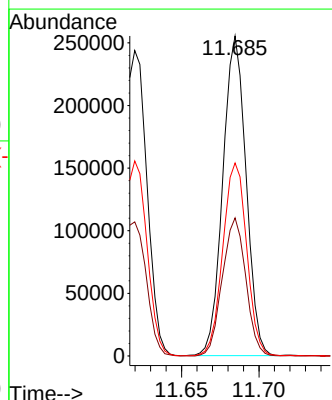
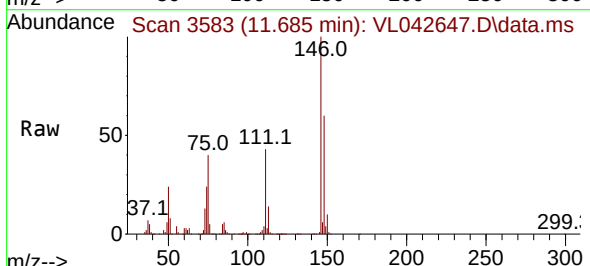
Tgt Ion:146 Resp: 266486

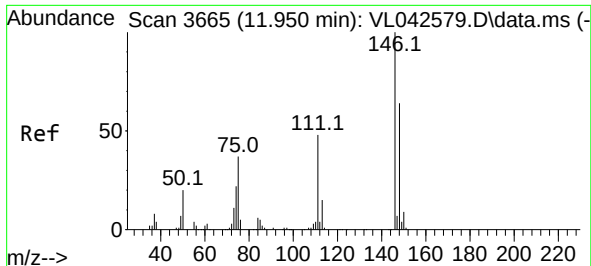
Ion Ratio Lower Upper

146 100

111 43.7 21.6 64.8

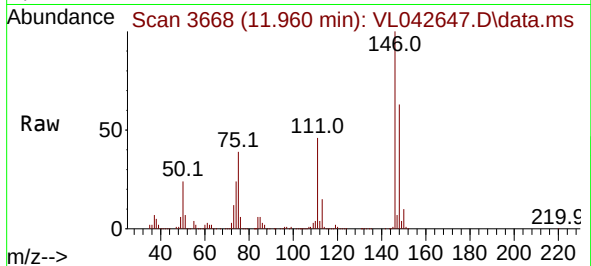
148 62.3 32.1 96.5





#77
1,2-Dichlorobenzene
Concen: 11.421 ppbv
RT: 11.960 min Scan# 3668
Delta R.T. 0.010 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

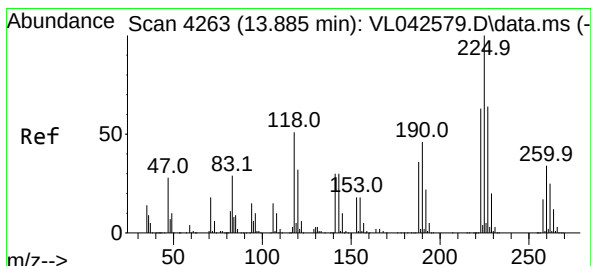
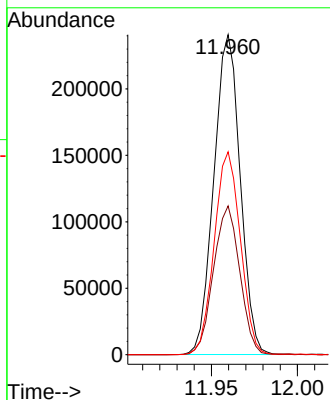
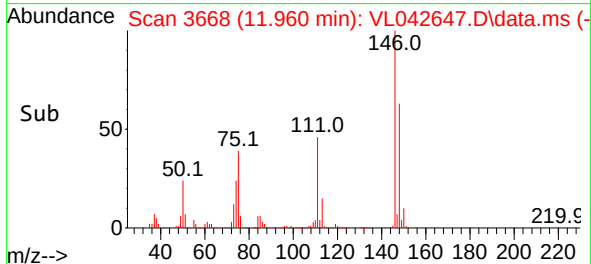
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



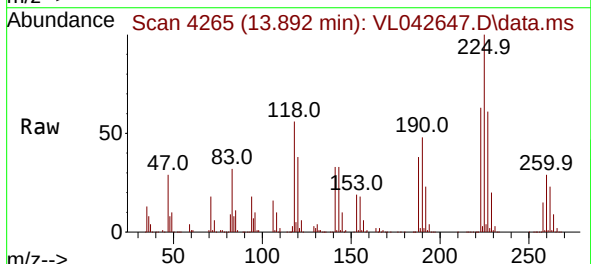
Tgt Ion:146 Resp: 256200
Ion Ratio Lower Upper
146 100
111 46.6 23.1 69.3
148 63.3 32.1 96.3

Manual Integrations
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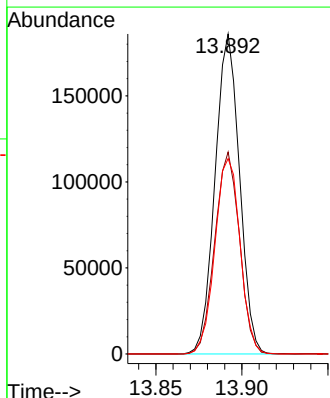
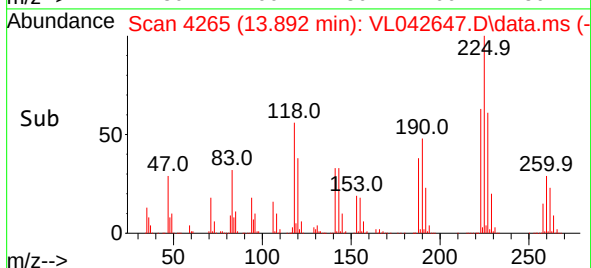
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

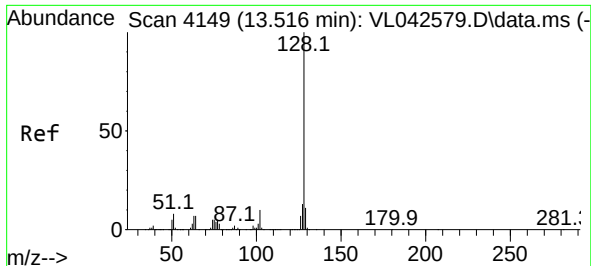


#78
Hexachloro-1,3-Butadiene
Concen: 9.909 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. 0.007 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56



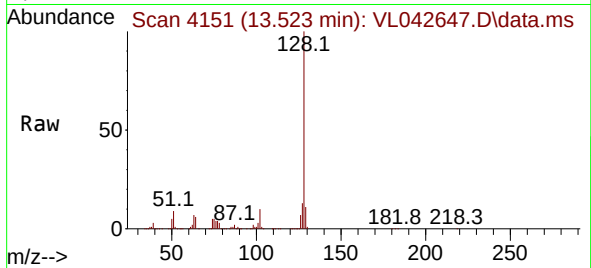
Tgt Ion:225 Resp: 183922
Ion Ratio Lower Upper
225 100
223 63.7 50.2 75.4
227 62.8 51.1 76.7





#79
Naphthalene
Concen: 11.640 ppbv
RT: 13.523 min Scan# 4149
Delta R.T. 0.006 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56

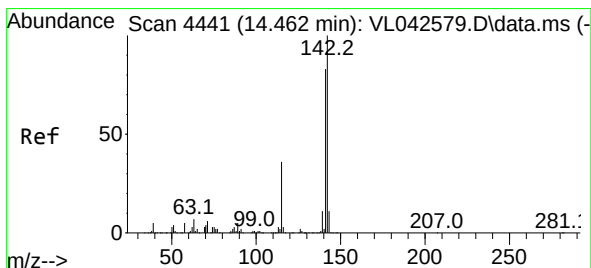
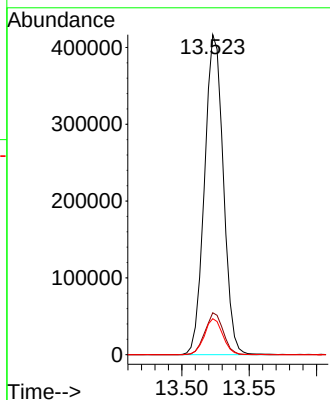
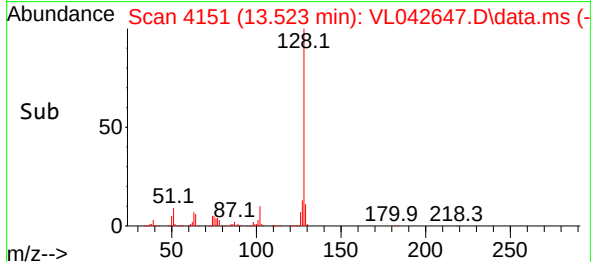
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



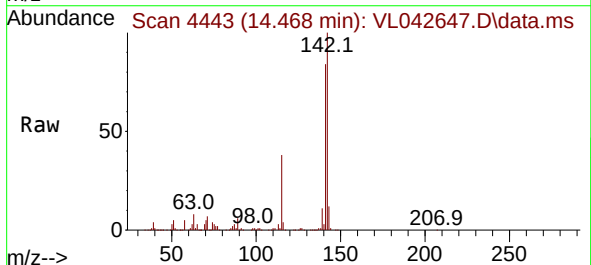
Tgt Ion:128 Resp: 403844
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 11.3 8.8 13.2

Manual Integrations
APPROVED

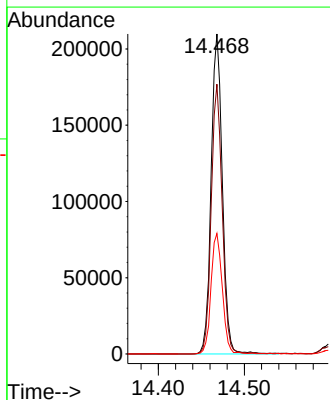
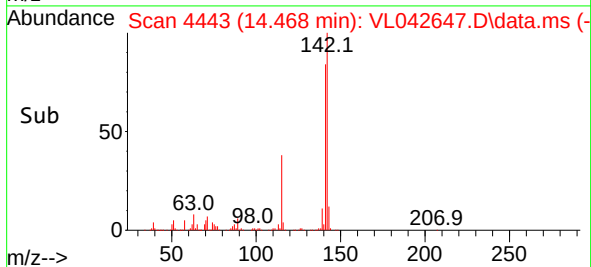
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

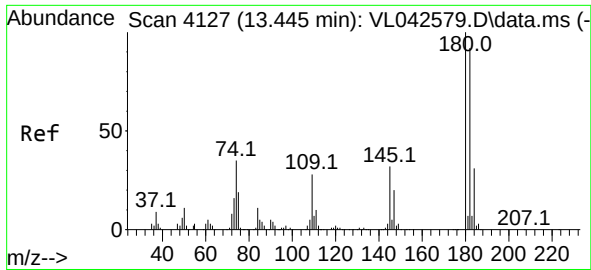


#80
Naphthalene,2-methyl-
Concen: 12.145 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.006 min
Lab File: VL042647.D
Acq: 19 Jun 2025 08:56



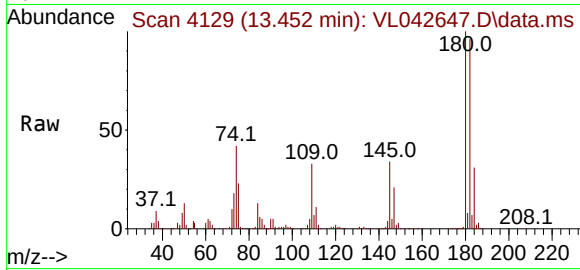
Tgt Ion:142 Resp: 190371
Ion Ratio Lower Upper
142 100
141 82.9 66.2 99.4
115 38.1 28.3 42.5





#81
 1,2,4-Trichlorobenzene
 Concen: 10.761 ppbv
 RT: 13.452 min Scan# 4129
 Delta R.T. 0.007 min
 Lab File: VL042647.D
 Acq: 19 Jun 2025 08:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 208409
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.0 112.4
 184 30.2 24.6 36.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025

