

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062725\
 Data File : VL042672.D
 Acq On : 27 Jun 2025 10:01
 Operator : SY/MD
 Sample : VL0627ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0627ABS01

Manual Integrations
 APPROVED

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

Quant Time: Jun 27 23:01:28 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	106951	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	276501	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	243742	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 192618 10.542 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	142954	10.876	ppbv	98
3) Chlorodifluoromethane	1.473	51	182823	10.099	ppbv	99
4) Chloromethane	1.531	50	55814	10.723	ppbv	99
5) Vinyl Chloride	1.580	62	50592	9.541	ppbv	100
6) Bromomethane	1.667	94	25688	9.953	ppbv	93
7) Chloroethane	1.703	64	20355	9.880	ppbv	93
8) Dichlorotetrafluoroethane	1.554	85	117162	10.697	ppbv	98
9) Propene	1.483	41	68729	9.427	ppbv	98
10) Heptane	4.972	43	200294	9.747	ppbv	100
11) Trichlorofluoromethane	1.874	101	152075	12.434	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	116870	12.169	ppbv	98
13) Ethanol	1.719	45	5567	6.407	ppbv	94
14) Bromoethene	1.780	108	40511	11.214	ppbv	97
15) Acetone	1.832	43	124984	9.702	ppbv	98
16) 1,3-Butadiene	1.609	39	55918	9.163	ppbv	99
17) tert-Butyl alcohol	2.036	59	140591	10.476	ppbv	99
18) 1,1-Dichloroethene	2.033	96	49315	11.078	ppbv	97
19) Isopropyl Alcohol	1.884	45	79068	10.267	ppbv	96
20) Methylene Chloride	2.059	84	43613	10.259	ppbv	97
21) Allyl Chloride	2.094	41	94866	10.437	ppbv	95
22) trans-1,2-Dichloroethene	2.337	96	57326	11.529	ppbv	96
23) Vinyl Acetate	2.460	43	229055	13.153	ppbv #	98
24) 1,1-Dichloroethane	2.405	63	115251	11.266	ppbv	98
25) Ethyl Acetate	2.829	43	360851	10.235	ppbv	99
26) Hexane	2.823	57	154267	9.630	ppbv	95
27) Carbon Disulfide	2.146	76	142775	11.610	ppbv	94
28) Methyl tert-Butyl Ether	2.438	73	77186	11.874	ppbv	95
29) Chloroform	2.845	83	229951	11.038	ppbv	99
30) Cyclohexane	3.852	84	122977	9.260	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	149858	10.227	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	218827	10.281	ppbv	99
34) 2-Butanone	2.554	43	233430	11.838	ppbv	100
35) Carbon Tetrachloride	3.758	117	221442	12.132	ppbv	97
36) Benzene	3.651	78	304476	11.182	ppbv	100
37) 1,2-Dichloroethane	3.214	62	172012	12.711	ppbv	98
38) Trichloroethene	4.545	130	119585	10.333	ppbv	92
39) 1,2-Dichloropropane	4.308	63	113456	11.268	ppbv	96
40) 1,4-Dioxane	4.574	88	51153	11.353	ppbv #	95
41) Tetrahydrofuran	3.049	42	125597	10.881	ppbv	99
42) Bromodichloromethane	4.483	83	239716	12.472	ppbv	98
43) Methyl Methacrylate	4.871	69	114121	10.799	ppbv	99
44) 2,2,4-Trimethylpentane	4.632	57	529719	11.374	ppbv	99
45) t-1,3-Dichloropropene	6.409	75	129839	10.737	ppbv	98

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Quant Time: Jun 27 23:01:28 2025

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

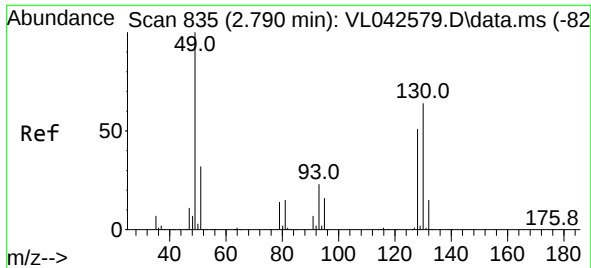
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

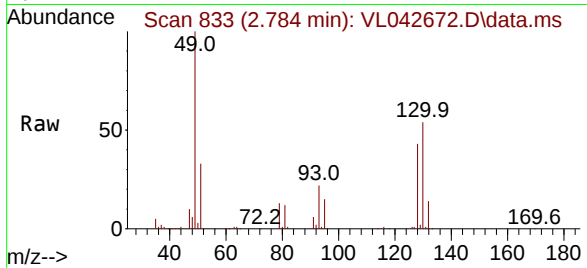
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	165832	10.944	ppbv	98
47) 1,1,2-Trichloroethane	6.574	97	121264	11.634	ppbv	96
48) Dibromochloromethane	7.383	129	190692	11.428	ppbv	99
49) Bromoform	9.480	173	169142	11.748	ppbv	99
50) 4-Methyl-2-Pentanone	5.745	43	310680	11.359	ppbv	98
51) 2-Hexanone	7.428	43	243780	11.239	ppbv #	96
52) Tetrachloroethene	8.221	164	103190	10.142	ppbv	99
53) Toluene	6.927	91	334285	10.622	ppbv	100
54) 1,2-Dibromoethane	7.645	107	177063	11.477	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.921	131	148442	12.112	ppbv	99
57) Chlorobenzene	8.917	112	268876	11.361	ppbv	97
58) Ethyl Benzene	9.351	91	468690	11.336	ppbv	94
59) m/p-Xylene	9.529	91	778438m	23.925	ppbv	
60) o-Xylene	9.959	91	384191	11.839	ppbv	97
61) Styrene	9.866	104	163212	10.638	ppbv	98
62) Isopropylbenzene	10.536	105	554283	11.562	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	250663	12.148	ppbv	99
64) n-propylbenzene	10.985	120	146849	11.427	ppbv	94
65) tert-Butylbenzene	11.529	119	486833	11.190	ppbv	96
66) Benzyl Chloride	11.613	91	51531	9.202	ppbv	100
67) sec-Butylbenzene	11.765	105	699608	11.438	ppbv	98
69) p-Isopropyltoluene	11.921	119	578855	11.301	ppbv	98
70) n-Butylbenzene	12.277	91	597699	11.822	ppbv	98
71) 2-Chlorotoluene	10.898	91	422724	11.560	ppbv	95
72) 4-Ethyltoluene	11.121	105	474718	11.734	ppbv	98
73) 1,3,5-Trimethylbenzene	11.199	105	390052	11.649	ppbv	92
74) 1,2,4-Trimethylbenzene	11.532	105	432083	11.628	ppbv #	90
75) 1,3-Dichlorobenzene	11.604	146	271976	11.655	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	268767	11.548	ppbv	99
77) 1,2-Dichlorobenzene	11.944	146	259764	11.470	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	184563	9.850	ppbv	99
79) Naphthalene	13.510	128	412498	11.777	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	185846	11.744	ppbv	99
81) 1,2,4-Trichlorobenzene	13.436	180	210303	10.756	ppbv	97

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 835
Delta R.T. -0.006 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

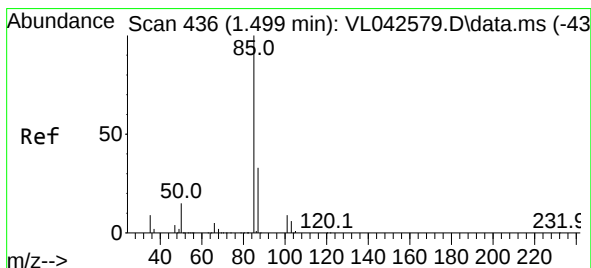
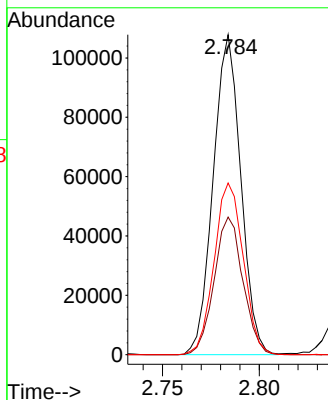
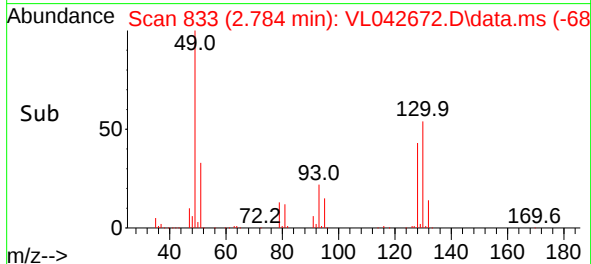
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



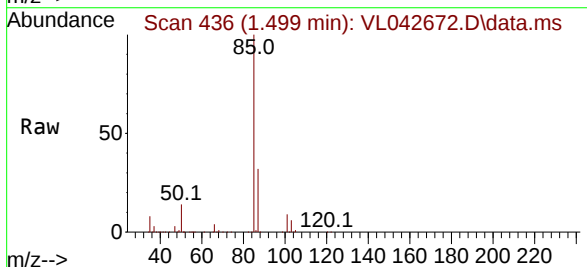
Tgt Ion: 49 Resp: 10695
Ion Ratio Lower Upper
49 100
128 44.8 24.2 72.6
130 56.7 30.4 91.2

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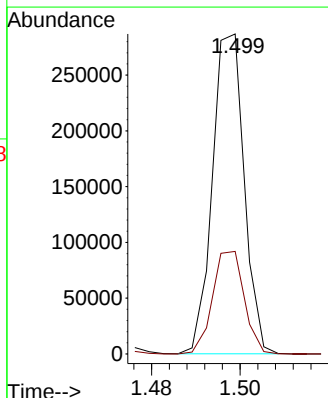
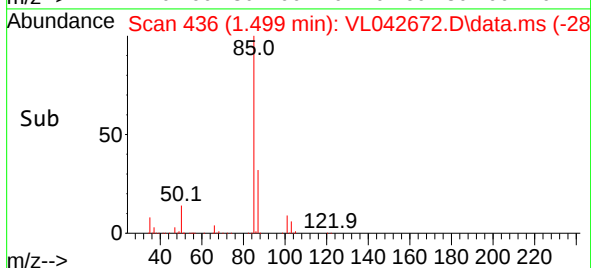
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

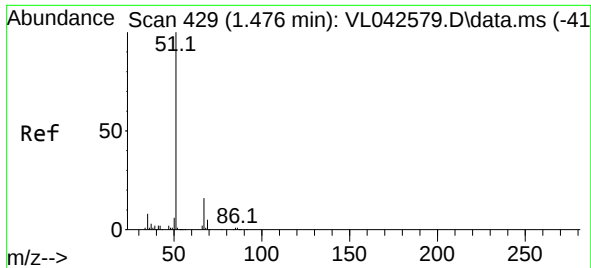


#2
Dichlorodifluoromethane
Concen: 10.876 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01



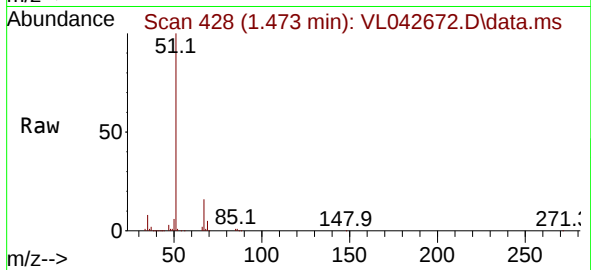
Tgt Ion: 85 Resp: 142954
Ion Ratio Lower Upper
85 100
87 32.1 26.6 39.8





#3
Chlorodifluoromethane
Concen: 10.099 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

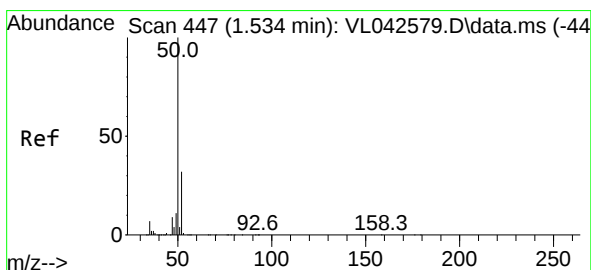
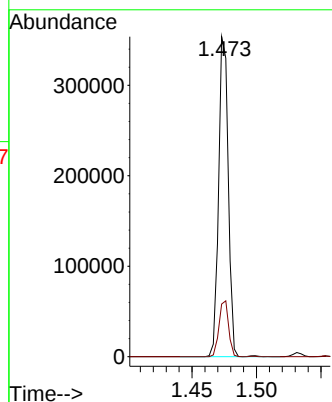
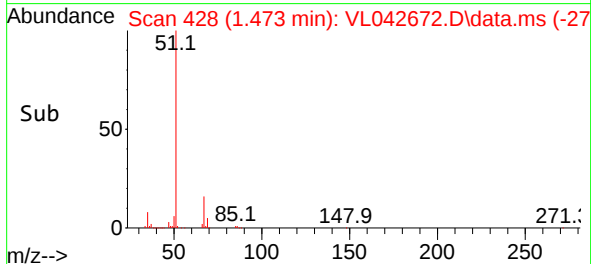
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



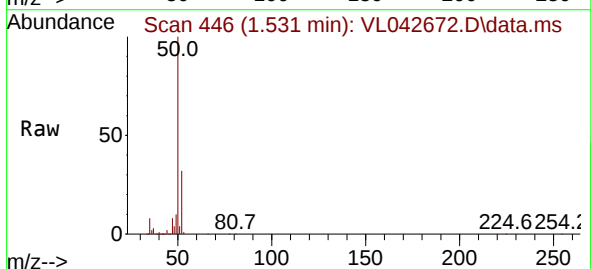
Tgt Ion: 51 Resp: 18282
Ion Ratio Lower Upper
51 100
67 17.4 13.4 20.2

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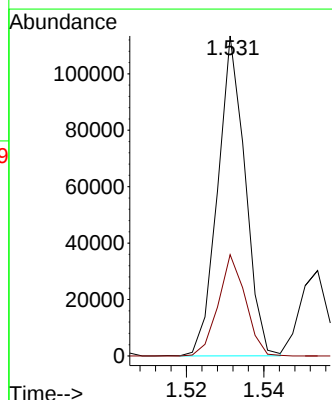
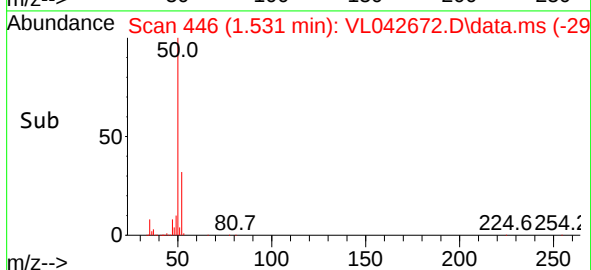
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

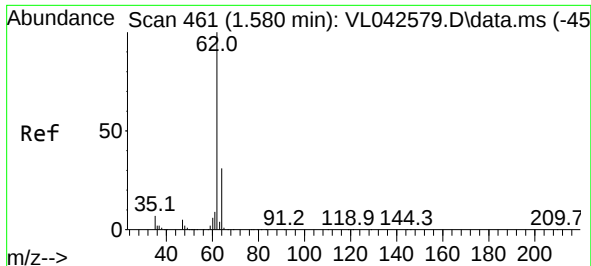


#4
Chloromethane
Concen: 10.723 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01



Tgt Ion: 50 Resp: 55814
Ion Ratio Lower Upper
50 100
52 31.7 25.8 38.6





#5
 Vinyl Chloride
 Concen: 9.541 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042672.D
 Acq: 27 Jun 2025 10:01

Instrument :

MSVOA_L

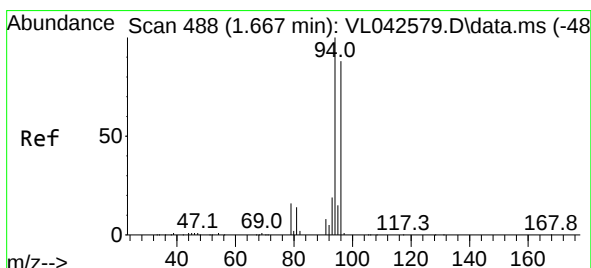
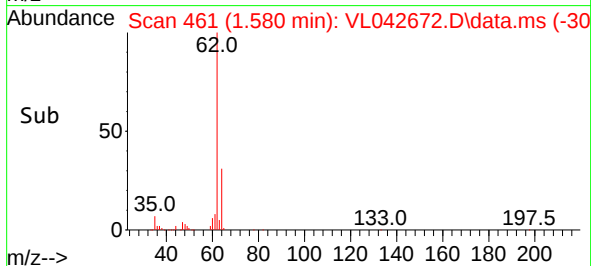
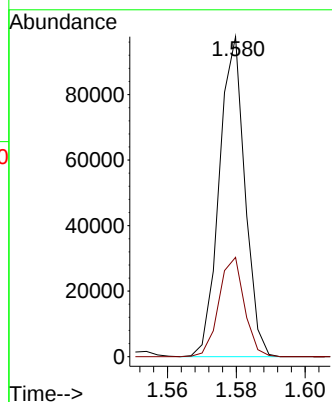
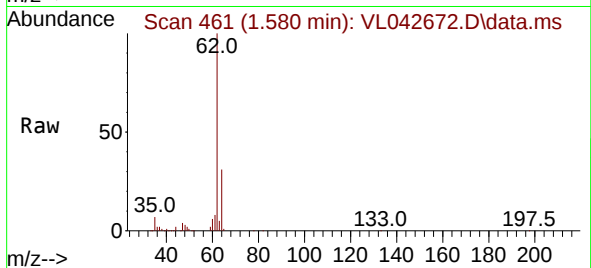
ClientSampleId :

VL0627ABS01

Tgt Ion: 62 Resp: 50592
 Ion Ratio Lower Upper
 62 100
 64 31.0 24.9 37.3

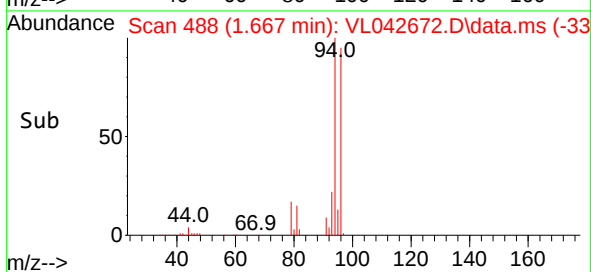
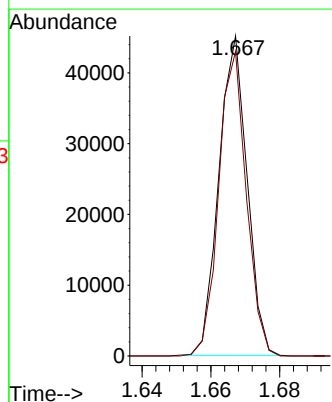
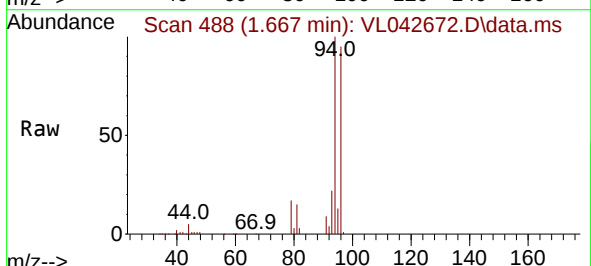
Manual Integrations
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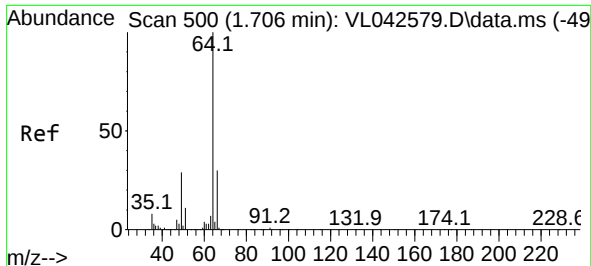
Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025



#6
 Bromomethane
 Concen: 9.953 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042672.D
 Acq: 27 Jun 2025 10:01

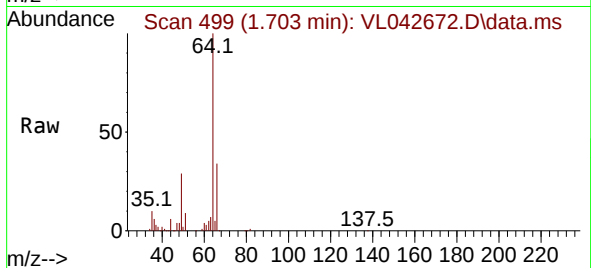
Tgt Ion: 94 Resp: 25688
 Ion Ratio Lower Upper
 94 100
 96 95.4 70.7 106.1





#7
Chloroethane
Concen: 9.880 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.003 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

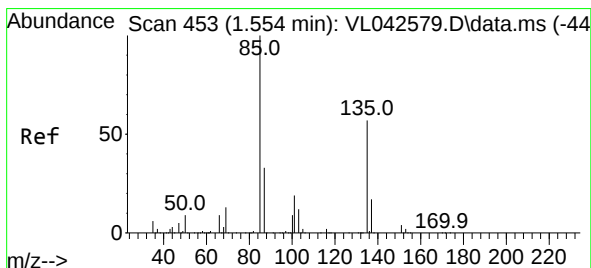
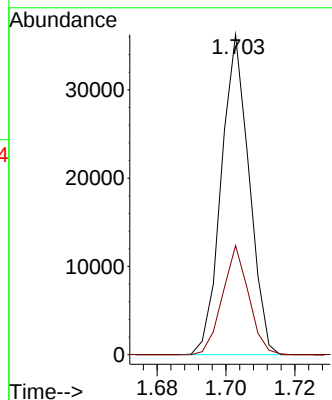
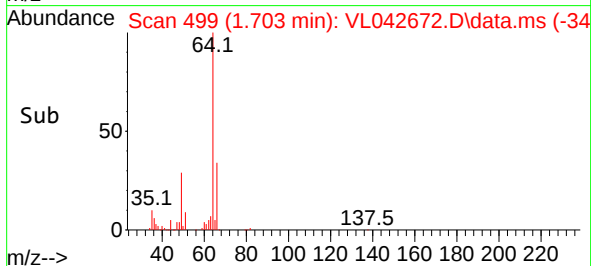
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



Tgt Ion: 64 Resp: 2035
Ion Ratio Lower Upper
64 100
66 34.1 24.3 36.5

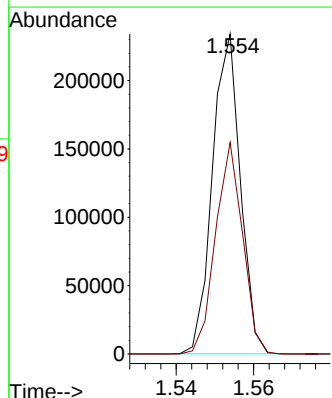
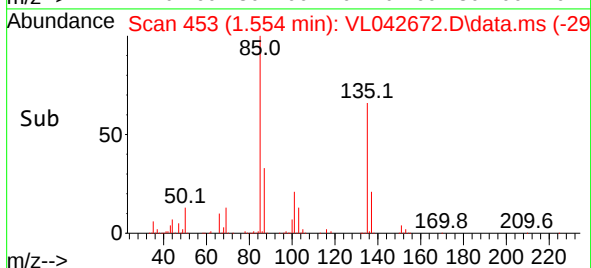
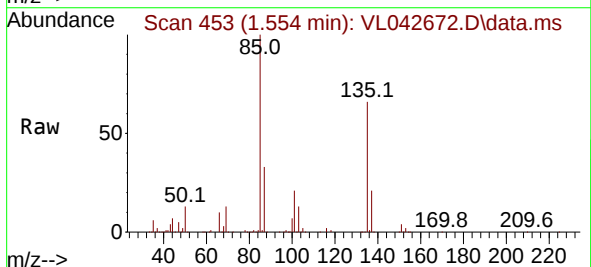
Manual Integrations
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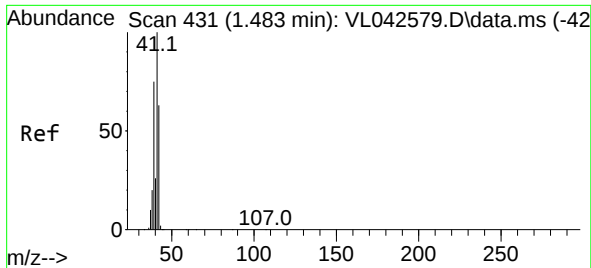
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#8
Dichlorotetrafluoroethane
Concen: 10.697 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

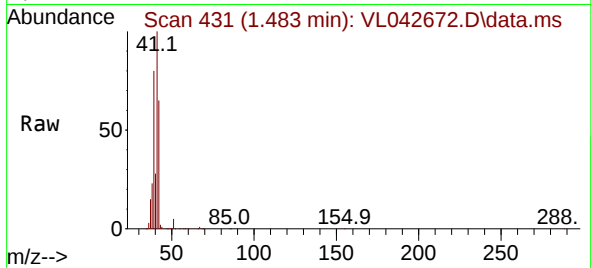
Tgt Ion: 85 Resp: 117162
Ion Ratio Lower Upper
85 100
135 64.1 50.2 75.4





#9
 Propene
 Concen: 9.427 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042672.D
 Acq: 27 Jun 2025 10:01

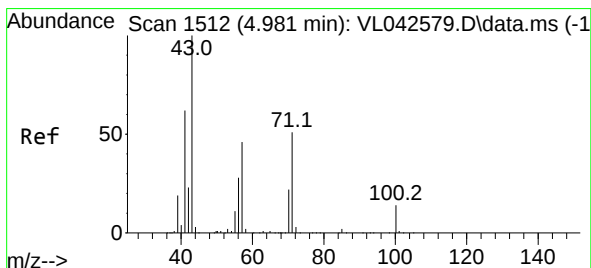
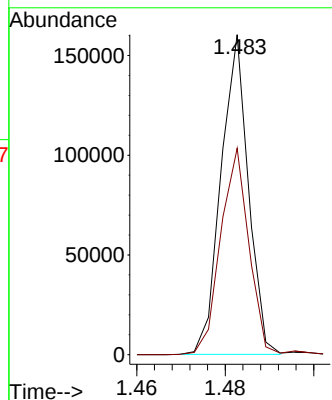
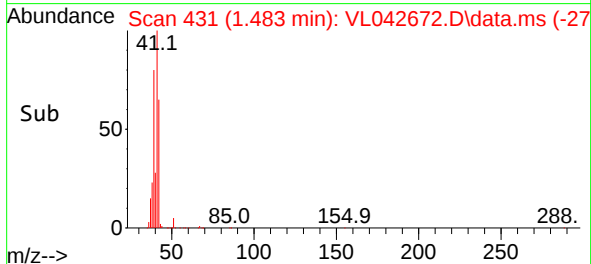
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0627ABS01



Tgt Ion: 41 Resp: 68729
 Ion Ratio Lower Upper
 41 100
 42 68.1 53.3 79.9

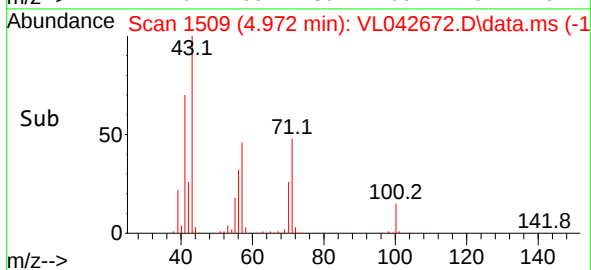
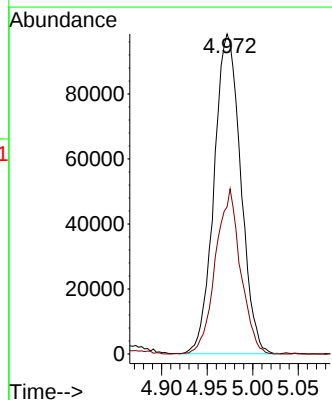
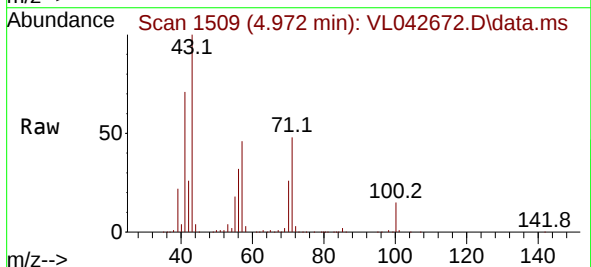
Manual Integrations
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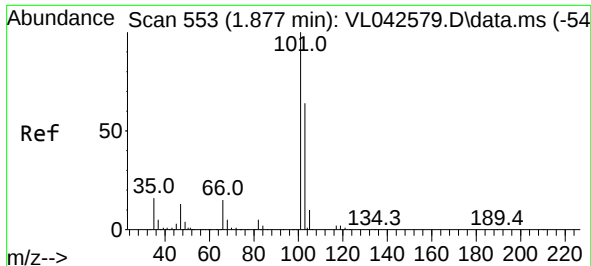
Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025



#10
 Heptane
 Concen: 9.747 ppbv
 RT: 4.972 min Scan# 1509
 Delta R.T. -0.010 min
 Lab File: VL042672.D
 Acq: 27 Jun 2025 10:01

Tgt Ion: 43 Resp: 200294
 Ion Ratio Lower Upper
 43 100
 57 48.5 38.9 58.3





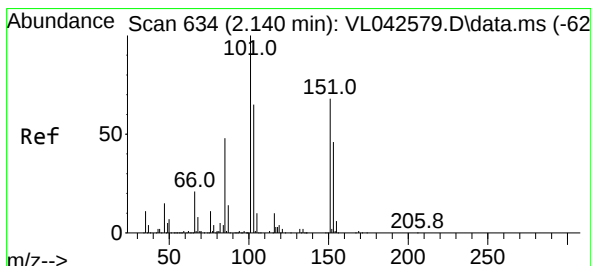
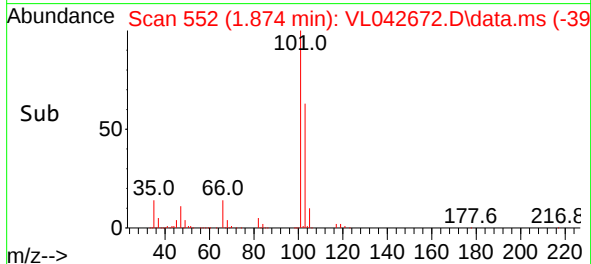
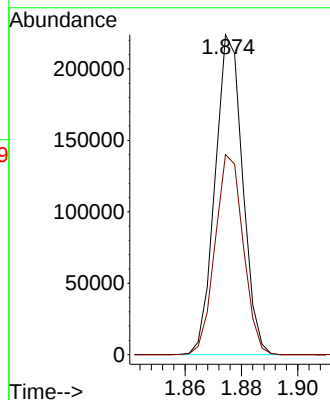
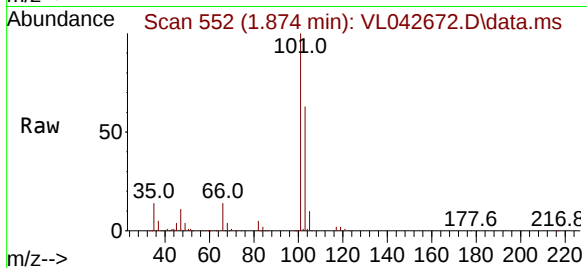
#11
Trichlorofluoromethane
Concen: 12.434 ppbv
RT: 1.874 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01

Tgt Ion:101 Resp: 152079
Ion Ratio Lower Upper
101 100
103 62.5 51.5 77.3

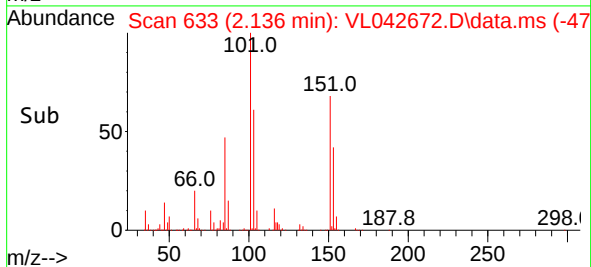
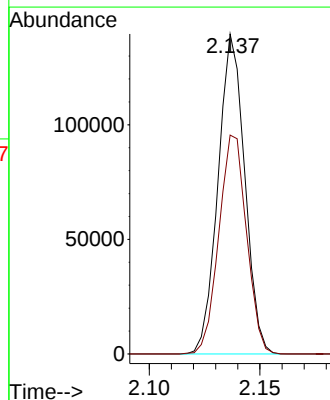
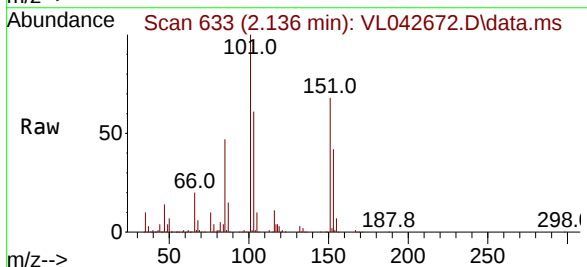
Manual Integrations
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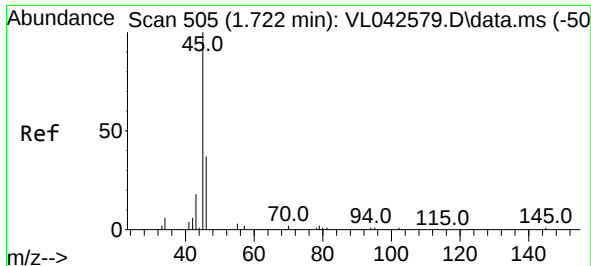
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 12.169 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

Tgt Ion:101 Resp: 116870
Ion Ratio Lower Upper
101 100
151 71.1 55.3 82.9





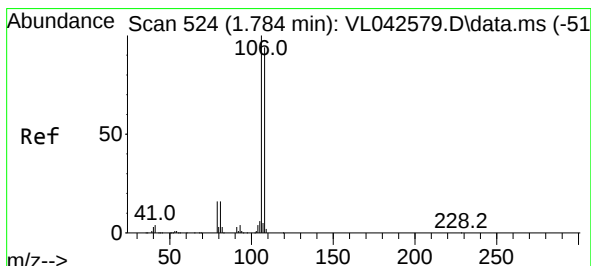
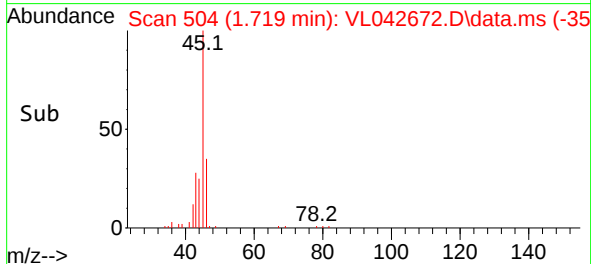
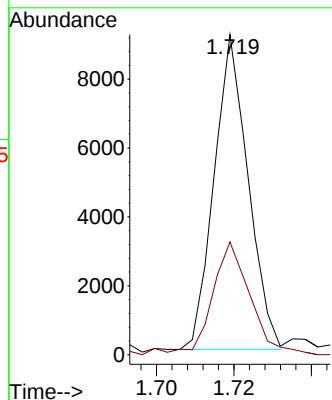
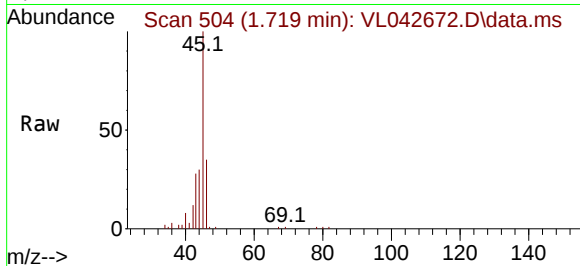
#13
Ethanol
Concen: 6.407 ppbv
RT: 1.719 min Scan# 505
Delta R.T. -0.003 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01

Tgt Ion: 45 Resp: 556
Ion Ratio Lower Upper
45 100
46 40.1 14.5 58.1

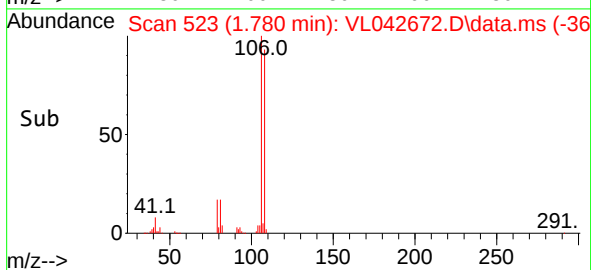
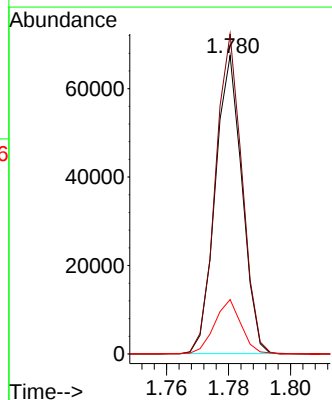
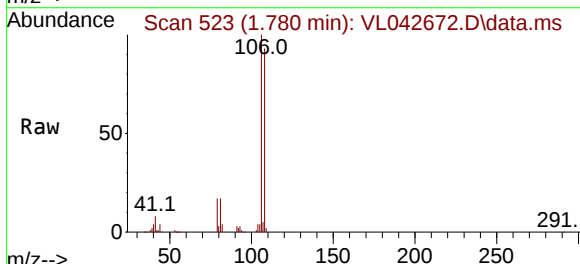
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#14
Bromoethene
Concen: 11.214 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

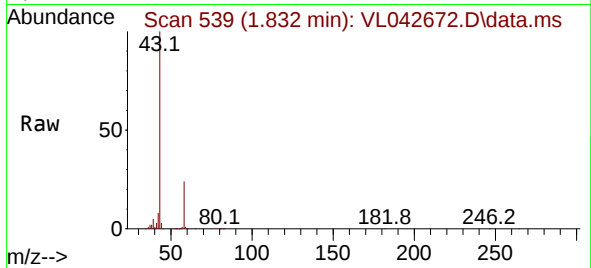
Tgt Ion:108 Resp: 40511
Ion Ratio Lower Upper
108 100
106 106.3 87.9 131.9
79 18.5 15.6 23.4





#15
Acetone
Concen: 9.702 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

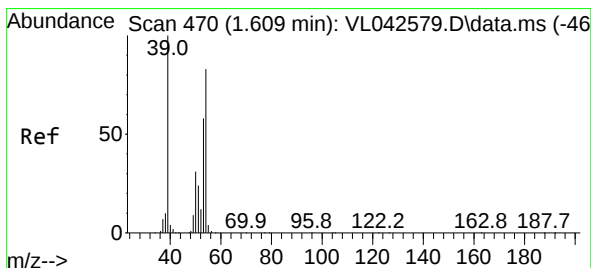
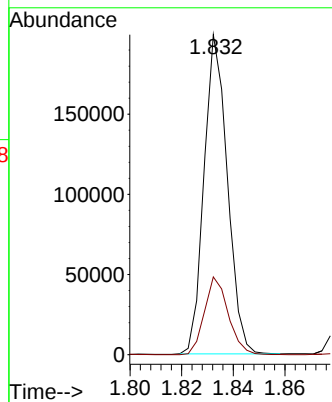
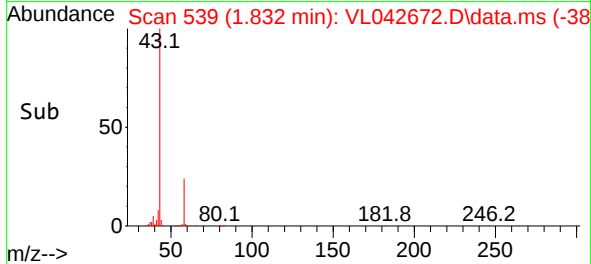
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



Tgt Ion: 43 Resp: 124984
Ion Ratio Lower Upper
43 100
58 24.9 21.0 31.4

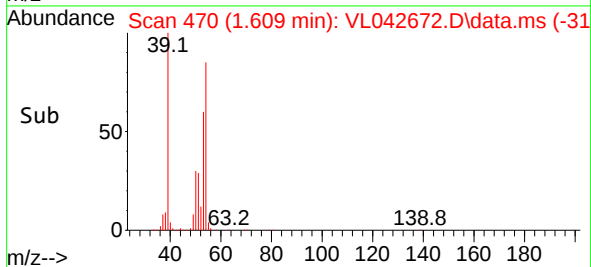
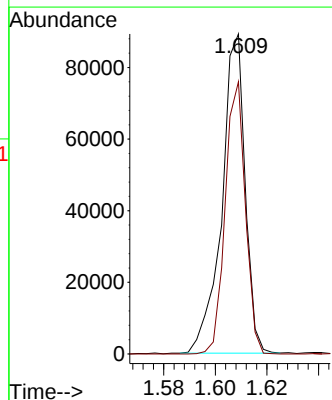
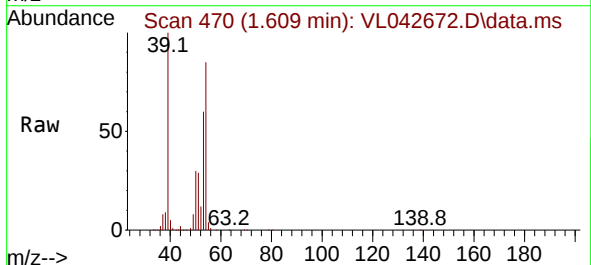
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Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#16
1,3-Butadiene
Concen: 9.163 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

Tgt Ion: 39 Resp: 55918
Ion Ratio Lower Upper
39 100
54 73.5 57.9 86.9





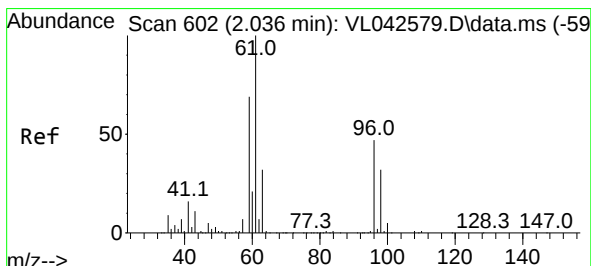
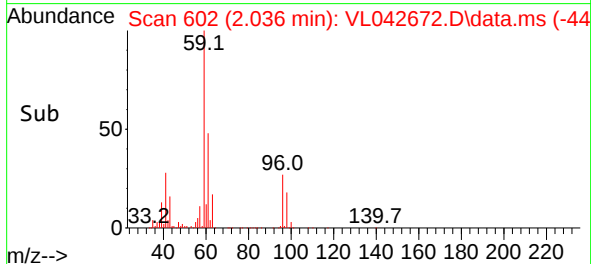
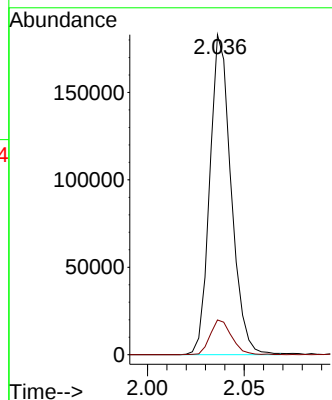
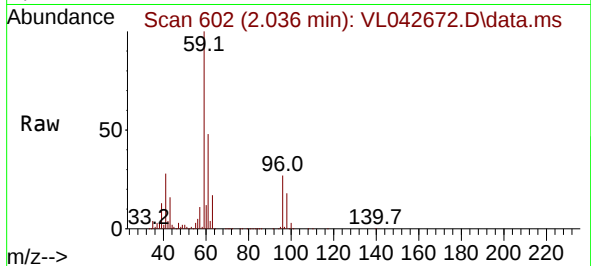
#17
tert-Butyl alcohol
Concen: 10.476 ppbv
RT: 2.036 min Scan# 601
Delta R.T. -0.006 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01

Tgt Ion: 59 Resp: 14059
Ion Ratio Lower Upper
59 100
57 10.9 8.6 12.8

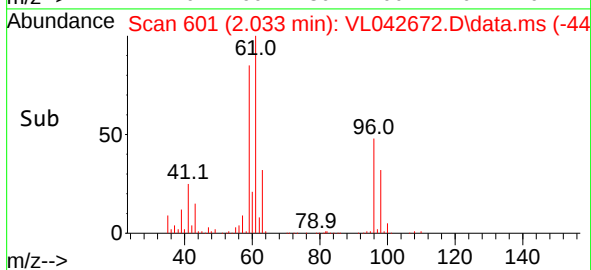
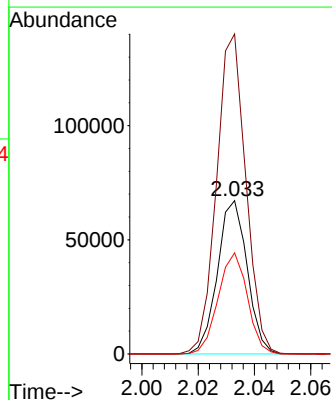
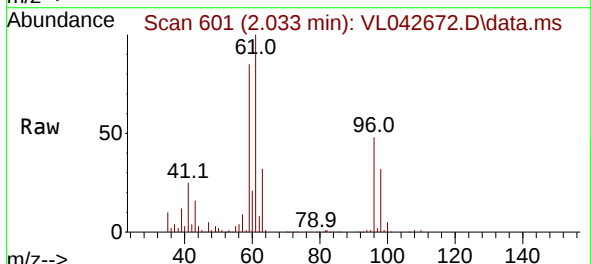
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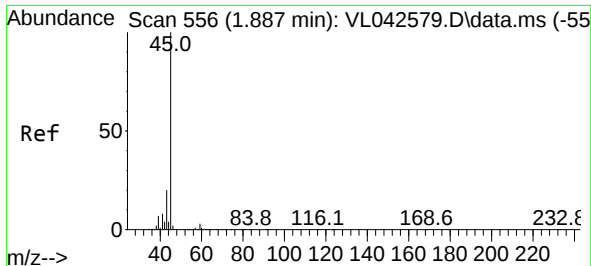
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#18
1,1-Dichloroethene
Concen: 11.078 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.003 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

Tgt Ion: 96 Resp: 49315
Ion Ratio Lower Upper
96 100
61 208.5 171.1 256.7
98 66.0 54.4 81.6





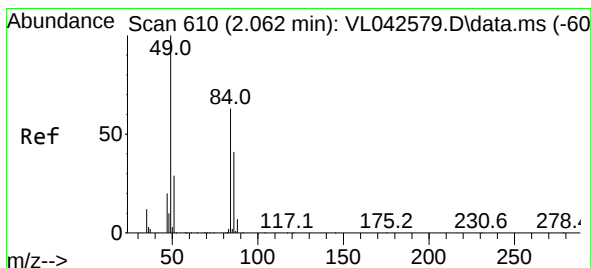
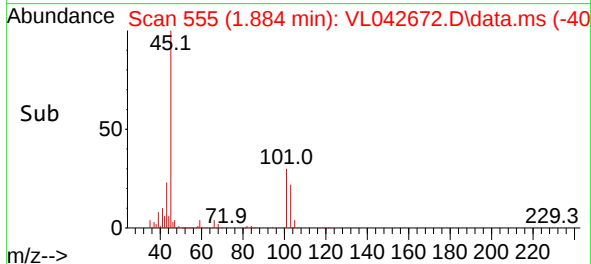
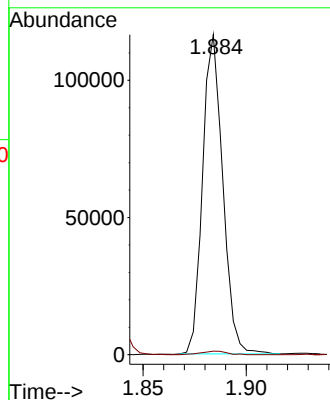
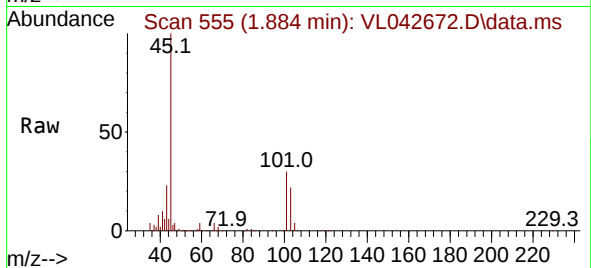
#19
Isopropyl Alcohol
Concen: 10.267 ppbv
RT: 1.884 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01

Tgt Ion: 45 Resp: 7906
Ion Ratio Lower Upper
45 100
58 39.4 29.4 44.2

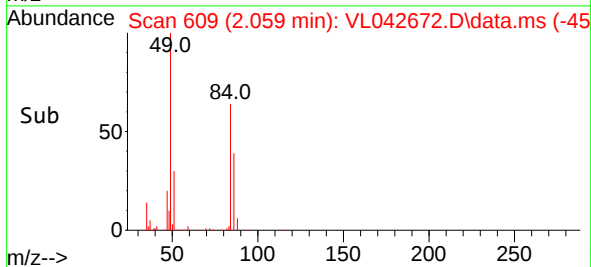
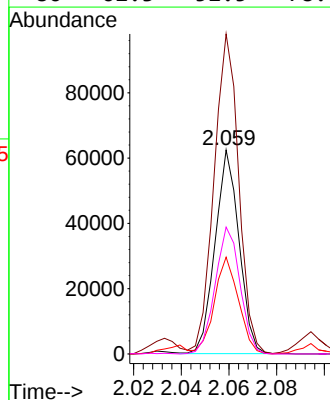
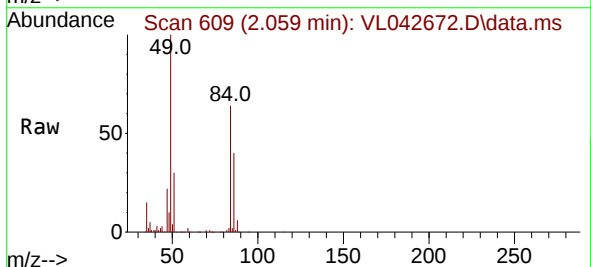
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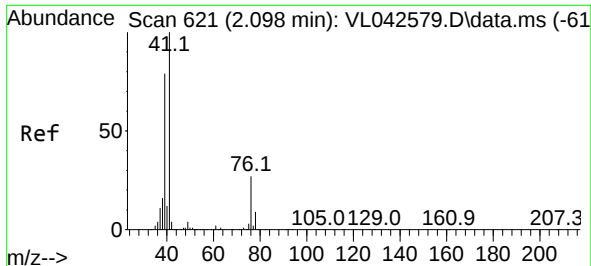
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#20
Methylene Chloride
Concen: 10.259 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

Tgt Ion: 84 Resp: 43613
Ion Ratio Lower Upper
84 100
49 156.3 128.8 193.2
51 47.2 38.6 57.8
86 62.3 52.5 78.7





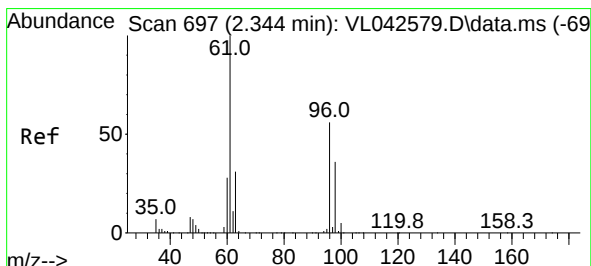
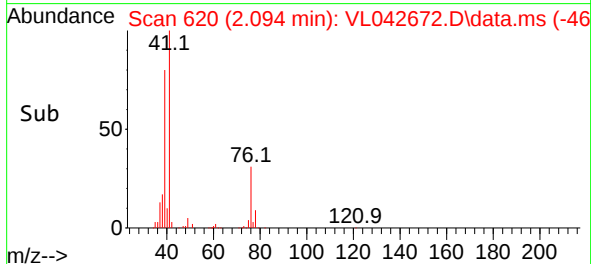
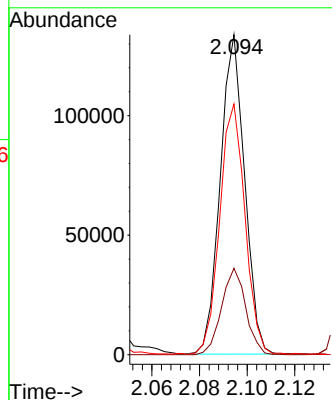
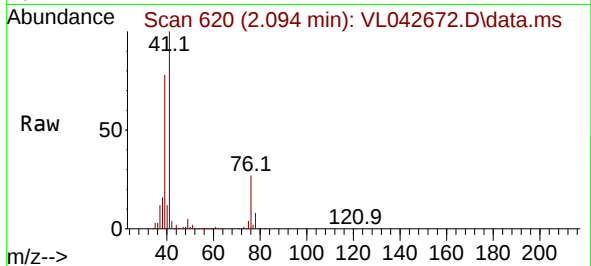
#21
 Allyl Chloride
 Concen: 10.437 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL042672.D
 Acq: 27 Jun 2025 10:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0627ABS01

Tgt Ion: 41 Resp: 9486
 Ion Ratio Lower Upper
 41 100
 76 26.8 21.2 31.8
 39 81.2 60.9 91.3

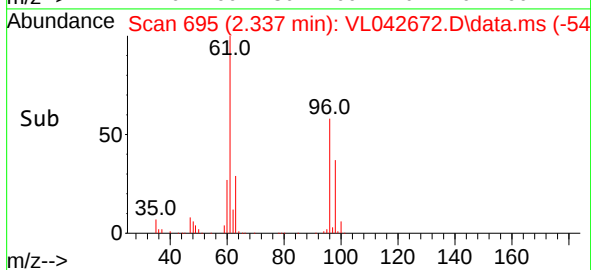
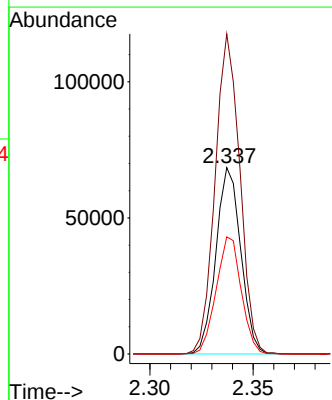
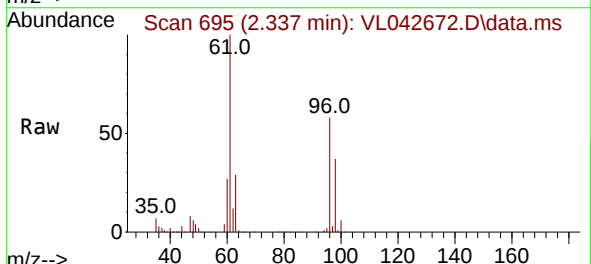
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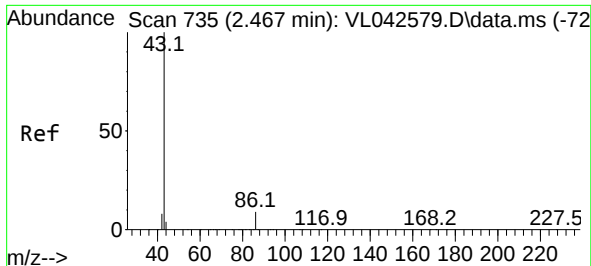
Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025



#22
 trans-1,2-Dichloroethene
 Concen: 11.529 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.006 min
 Lab File: VL042672.D
 Acq: 27 Jun 2025 10:01

Tgt Ion: 96 Resp: 57326
 Ion Ratio Lower Upper
 96 100
 61 171.7 142.6 214.0
 98 62.8 51.0 76.4





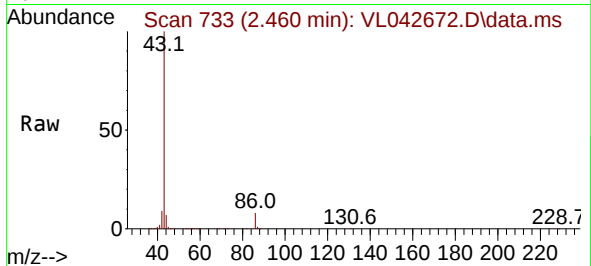
#23
 Vinyl Acetate
 Concen: 13.153 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. -0.006 min
 Lab File: VL042672.D
 Acq: 27 Jun 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

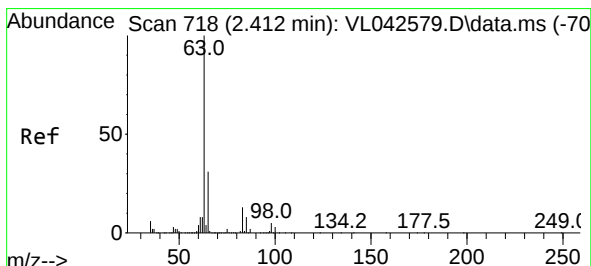
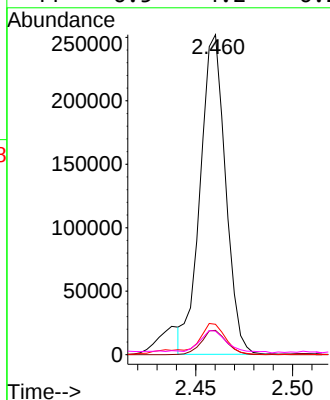
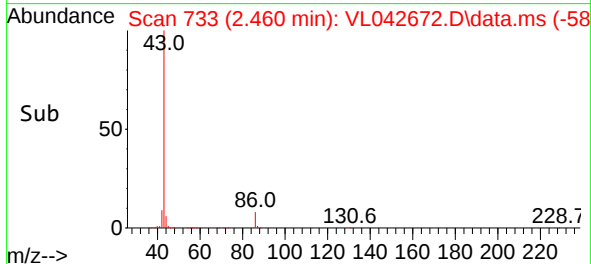
VL0627ABS01



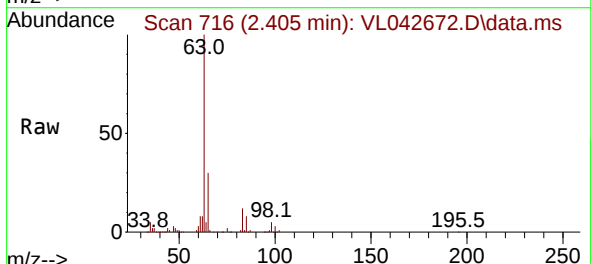
Tgt Ion: 43 Resp: 229051
 Ion Ratio Lower Upper
 43 100
 86 7.6 6.6 9.8
 42 9.4 7.0 10.4
 44 6.5 4.2 6.2#

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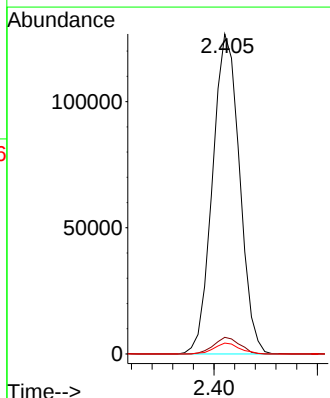
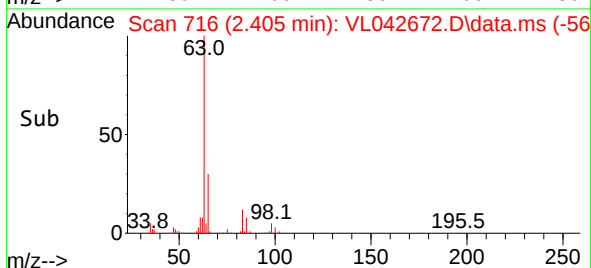
Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025



#24
 1,1-Dichloroethane
 Concen: 11.266 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.006 min
 Lab File: VL042672.D
 Acq: 27 Jun 2025 10:01



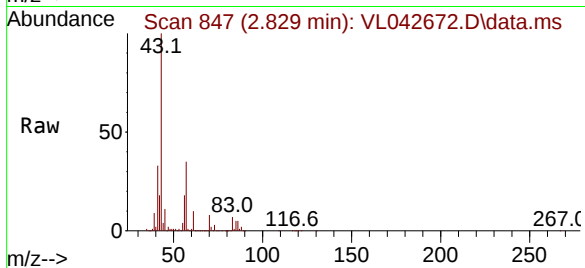
Tgt Ion: 63 Resp: 115251
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.4 7.1
 100 3.4 1.4 4.0





#25
Ethyl Acetate
Concen: 10.235 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.010 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

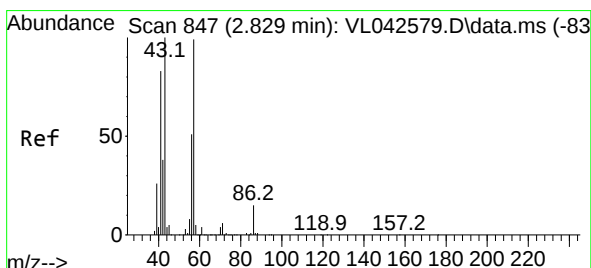
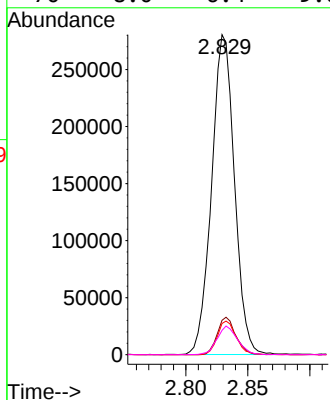
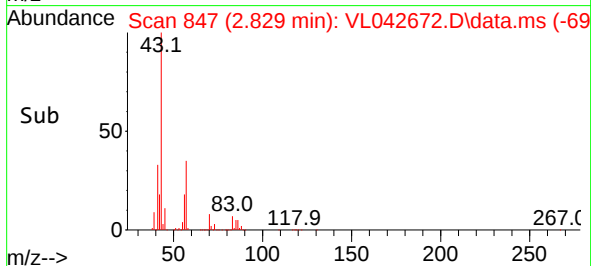
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



Tgt Ion: 43 Resp: 36085
Ion Ratio Lower Upper
43 100
45 9.6 8.2 12.2
61 8.7 7.1 10.7
70 8.0 6.4 9.6

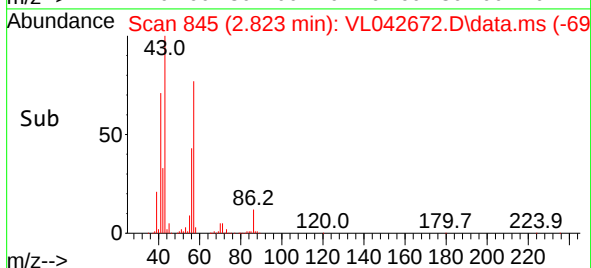
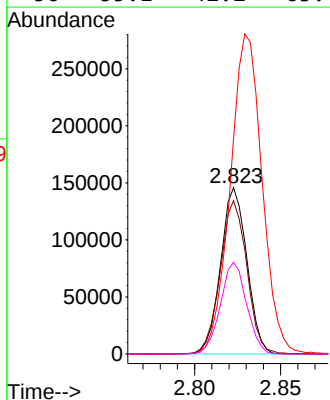
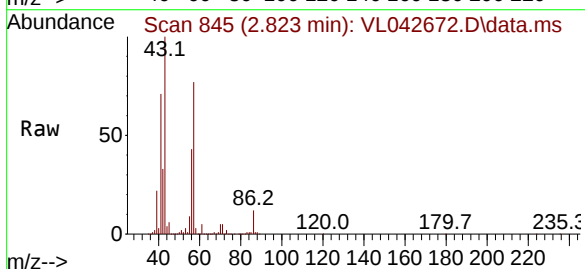
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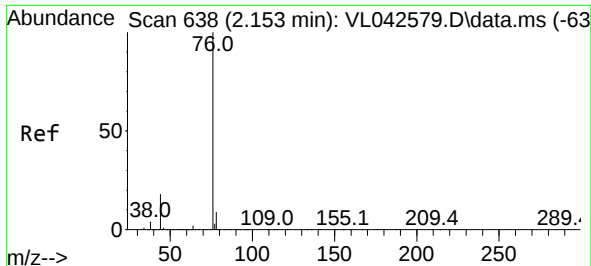
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#26
Hexane
Concen: 9.630 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.006 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

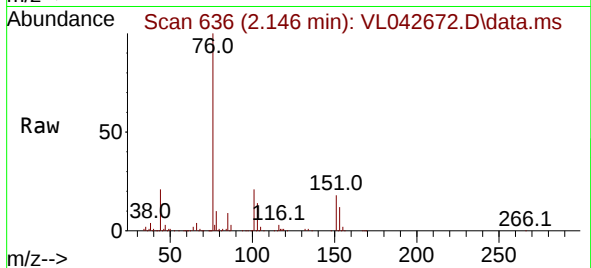
Tgt Ion: 57 Resp: 154267
Ion Ratio Lower Upper
57 100
41 94.4 70.6 106.0
43 235.2 181.1 271.7
56 55.1 42.2 63.4





#27
Carbon Disulfide
Concen: 11.610 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.006 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

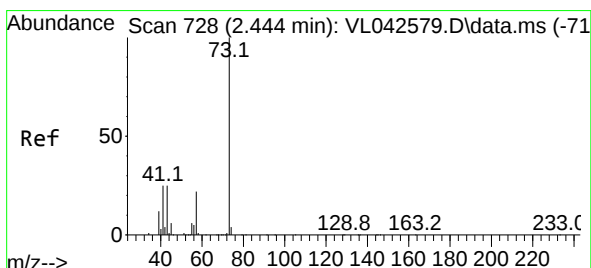
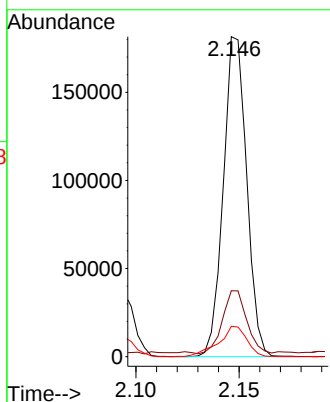
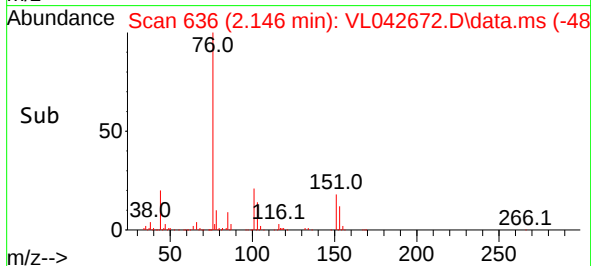
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



Tgt Ion: 76 Resp: 142775
Ion Ratio Lower Upper
76 100
44 22.0 21.3 31.9
78 11.5 9.4 14.0

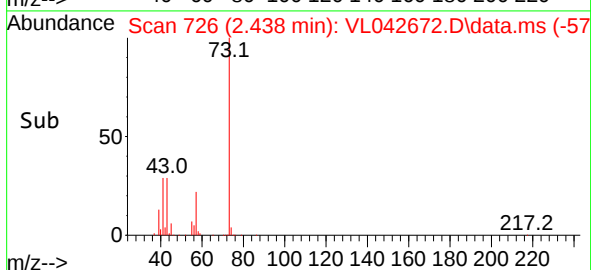
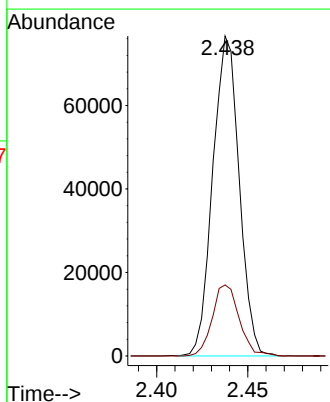
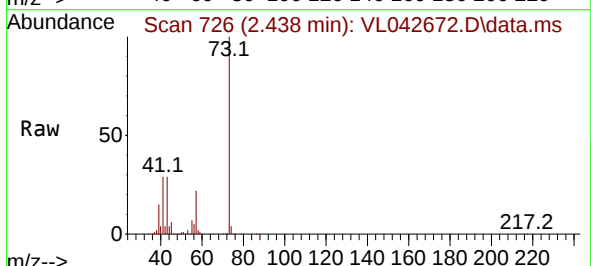
Manual Integrations
APPROVED

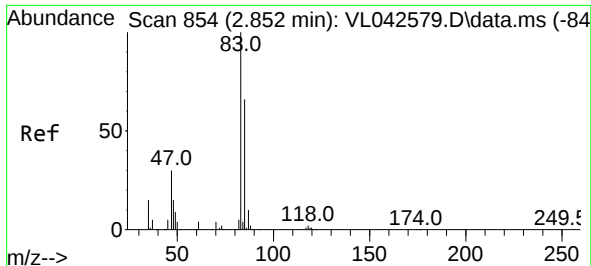
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#28
Methyl tert-Butyl Ether
Concen: 11.874 ppbv
RT: 2.438 min Scan# 726
Delta R.T. -0.006 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

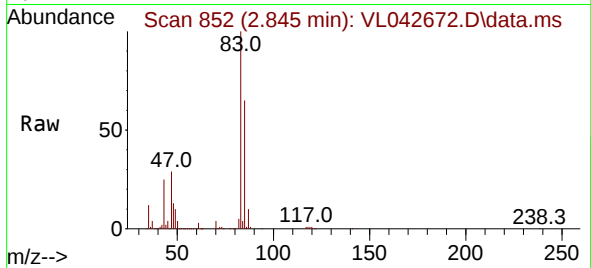
Tgt Ion: 73 Resp: 77186
Ion Ratio Lower Upper
73 100
57 22.6 19.9 29.9





#29
Chloroform
Concen: 11.038 ppbv
RT: 2.845 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

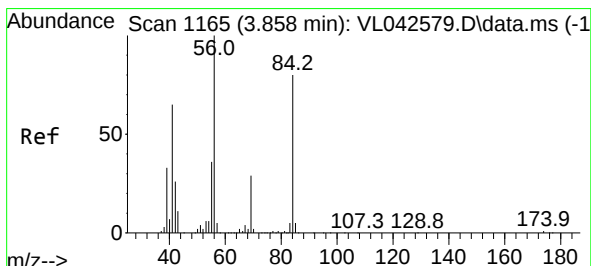
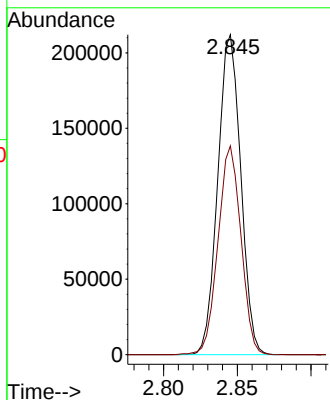
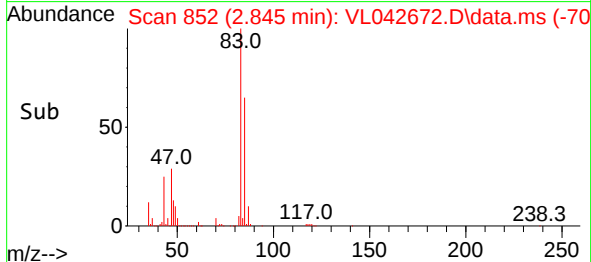
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



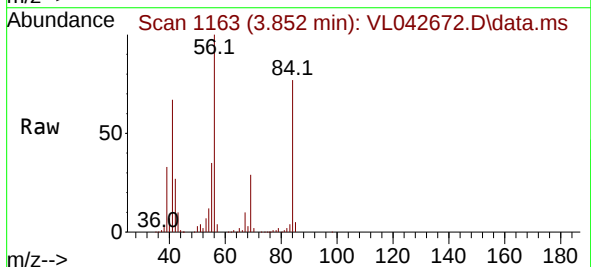
Tgt Ion: 83 Resp: 22995
Ion Ratio Lower Upper
83 100
85 65.2 52.8 79.2

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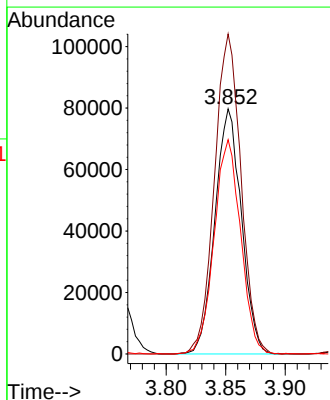
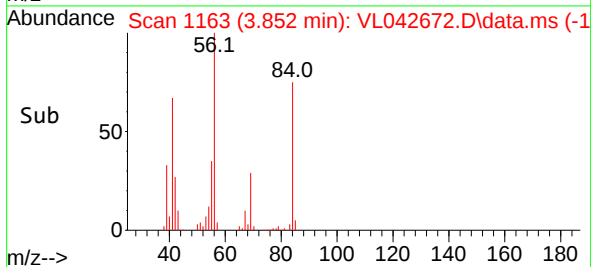
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

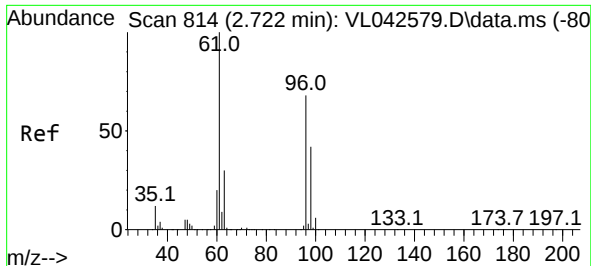


#30
Cyclohexane
Concen: 9.260 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.006 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01



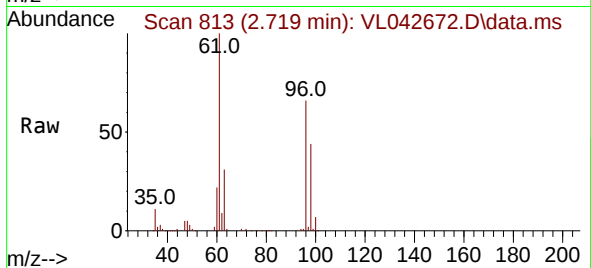
Tgt Ion: 84 Resp: 122977
Ion Ratio Lower Upper
84 100
56 131.0 103.7 155.5
41 87.7 65.1 97.7





#31
 cis-1,2-Dichloroethene
 Concen: 10.227 ppbv
 RT: 2.719 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042672.D
 Acq: 27 Jun 2025 10:01

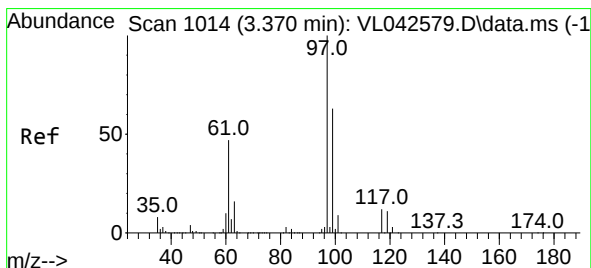
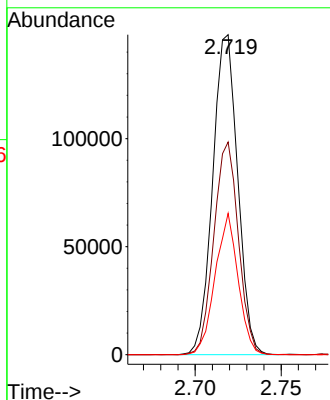
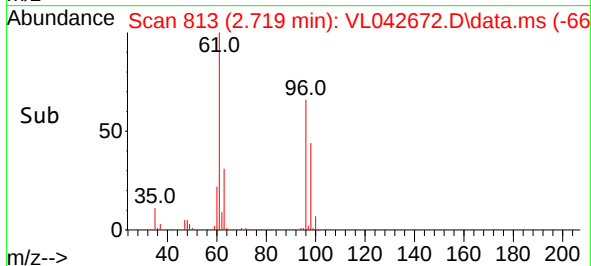
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0627ABS01



Tgt Ion: 61 Resp: 149858
 Ion Ratio Lower Upper
 61 100
 96 66.5 54.5 81.7
 98 44.2 33.4 50.2

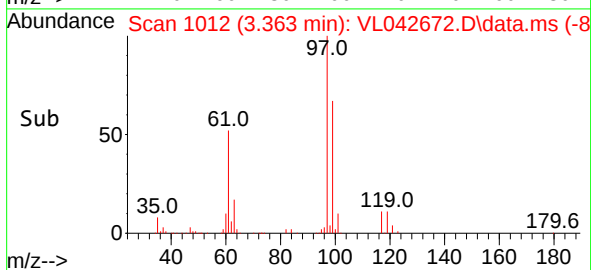
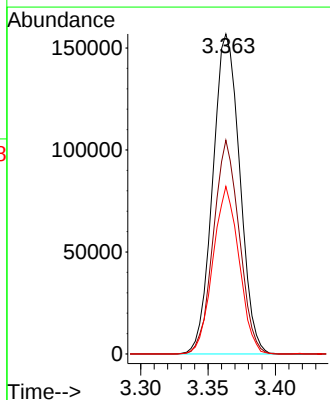
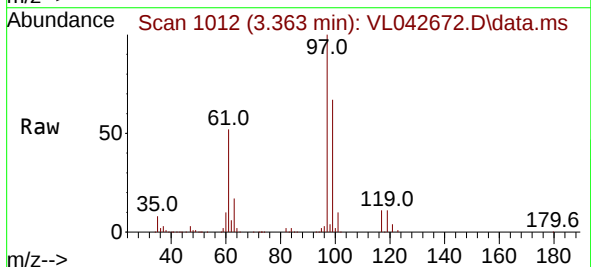
Manual Integrations
 APPROVED

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



#32
 1,1,1-Trichloroethane
 Concen: 10.281 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.006 min
 Lab File: VL042672.D
 Acq: 27 Jun 2025 10:01

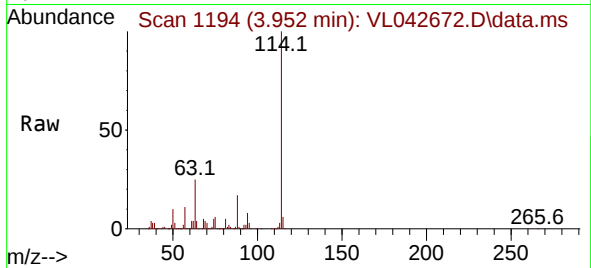
Tgt Ion: 97 Resp: 218827
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.0 76.6
 61 50.7 39.4 59.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.010 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

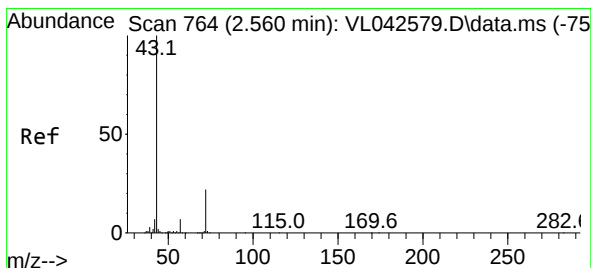
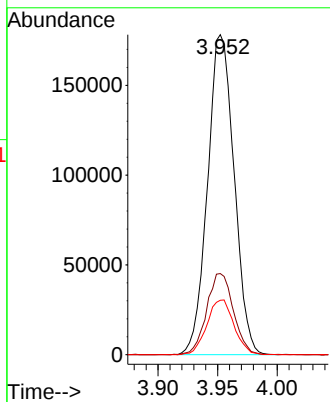
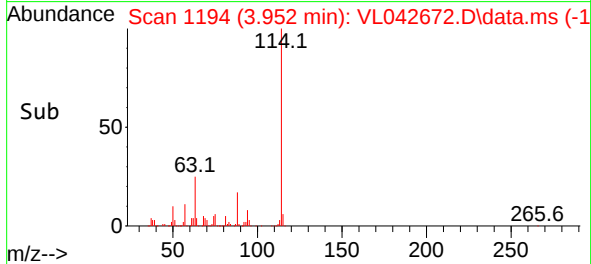
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



Tgt Ion:114 Resp: 27650
Ion Ratio Lower Upper
114 100
63 25.6 19.0 28.6
88 17.4 13.6 20.4

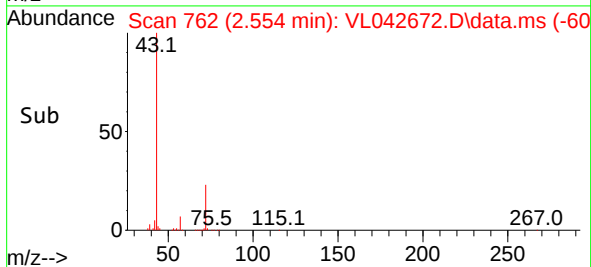
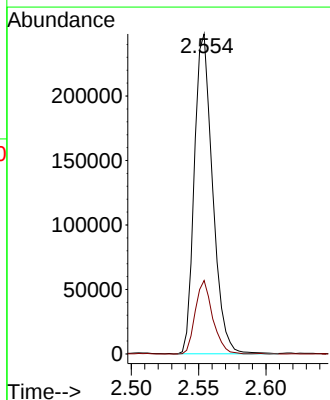
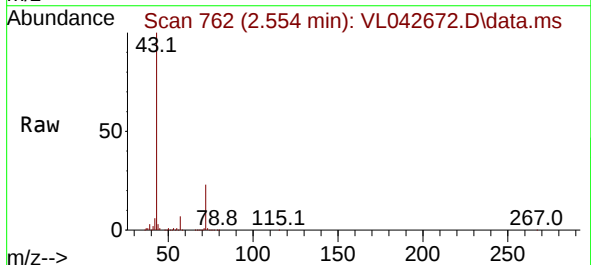
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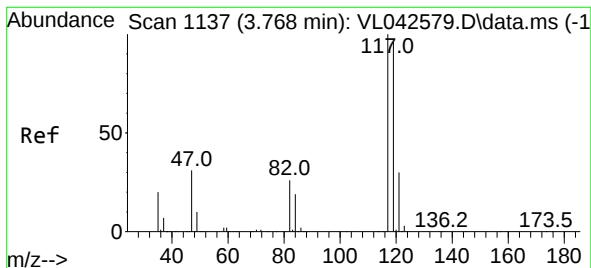
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#34
2-Butanone
Concen: 11.838 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.006 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

Tgt Ion: 43 Resp: 233430
Ion Ratio Lower Upper
43 100
72 22.1 17.7 26.5





#35

Carbon Tetrachloride

Concen: 12.132 ppbv

RT: 3.758 min Scan# 1137

Delta R.T. -0.010 min

Lab File: VL042672.D

Acq: 27 Jun 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VL0627ABS01

Tgt Ion:117 Resp: 22144

Ion Ratio Lower Upper

117 100

119 92.7 76.8 115.2

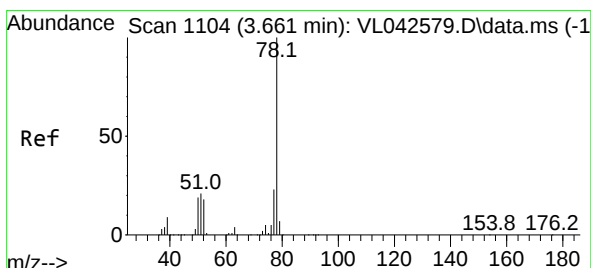
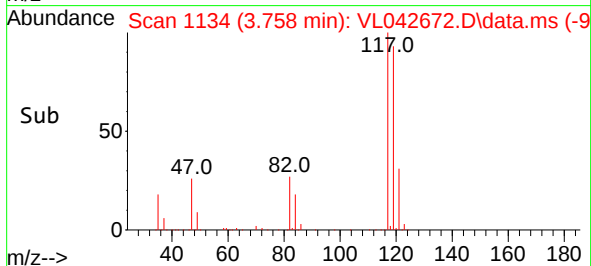
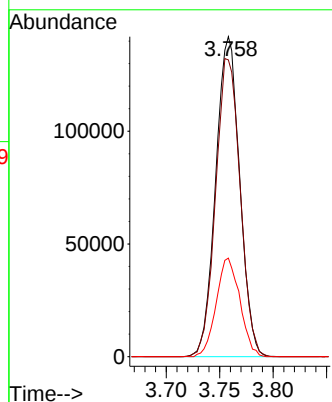
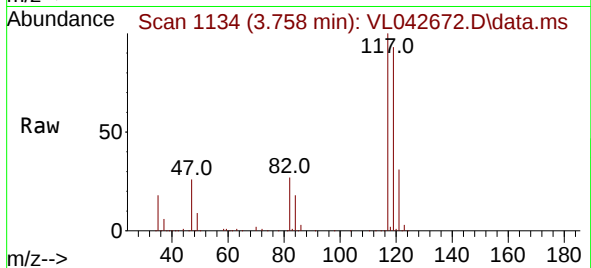
121 30.8 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025

Supervised By :Mahesh Dadoda 06/30/2025



#36

Benzene

Concen: 11.182 ppbv

RT: 3.651 min Scan# 1101

Delta R.T. -0.010 min

Lab File: VL042672.D

Acq: 27 Jun 2025 10:01

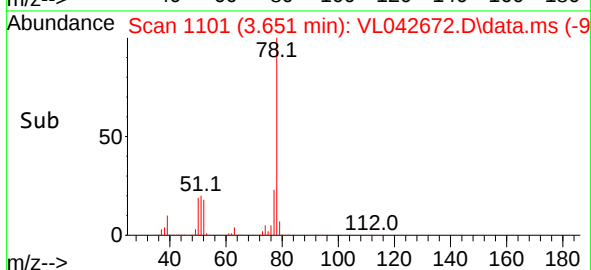
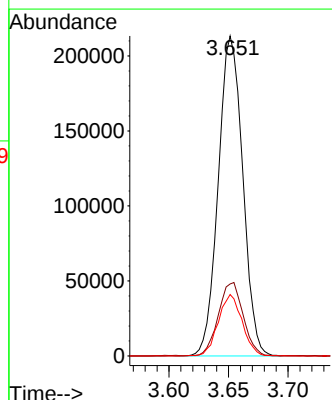
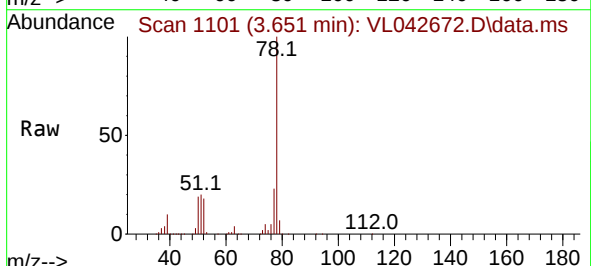
Tgt Ion: 78 Resp: 304476

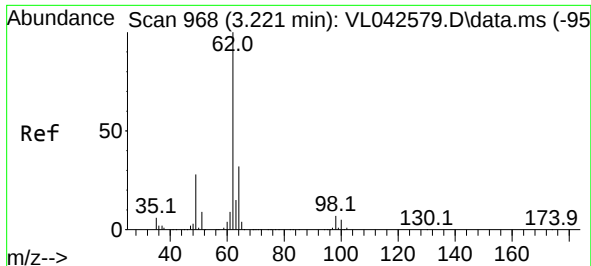
Ion Ratio Lower Upper

78 100

77 22.5 18.2 27.2

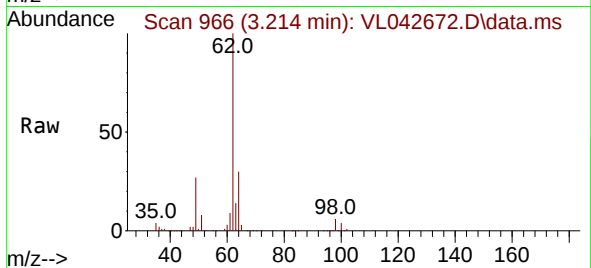
50 19.2 15.2 22.8





#37
1,2-Dichloroethane
Concen: 12.711 ppbv
RT: 3.214 min Scan# 966
Delta R.T. -0.006 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

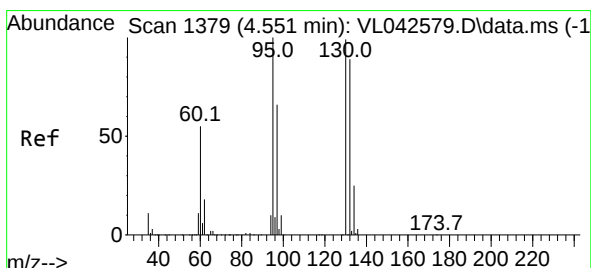
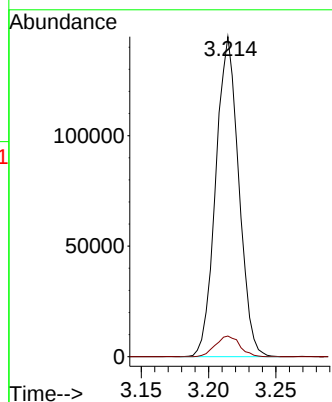
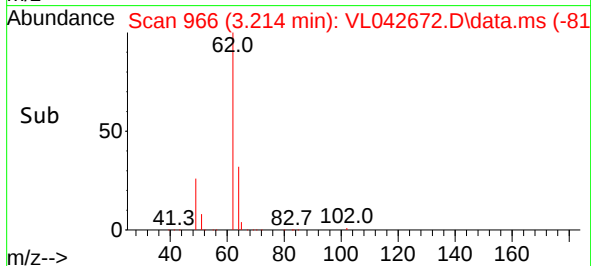
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



Tgt Ion: 62 Resp: 172012
Ion Ratio Lower Upper
62 100
98 6.8 6.1 9.1

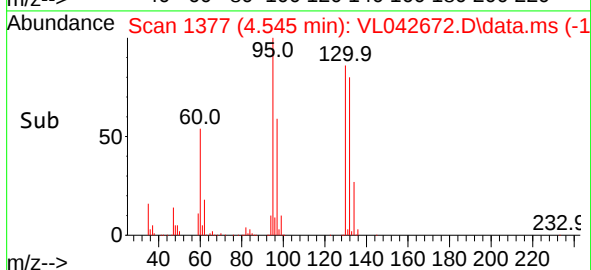
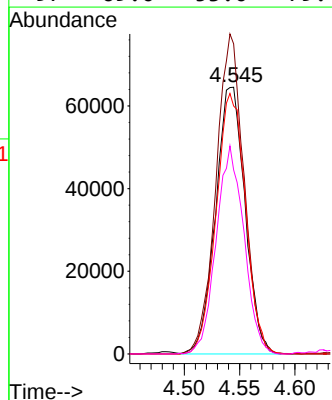
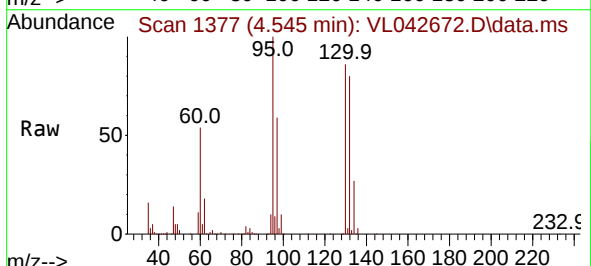
Manual Integrations
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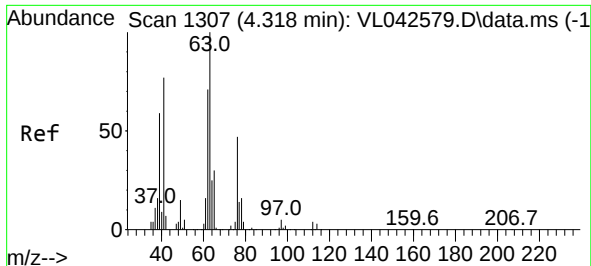
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#38
Trichloroethene
Concen: 10.333 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. -0.006 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

Tgt Ion:130 Resp: 119585
Ion Ratio Lower Upper
130 100
95 116.3 80.6 121.0
132 93.0 71.8 107.6
97 69.0 53.0 79.4





#39

1,2-Dichloropropane

Concen: 11.268 ppbv

RT: 4.308 min Scan# 11345

Delta R.T. -0.010 min

Lab File: VL042672.D

Acq: 27 Jun 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

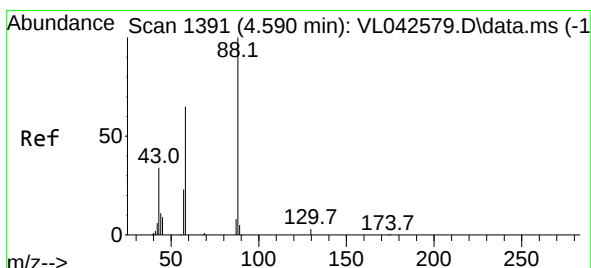
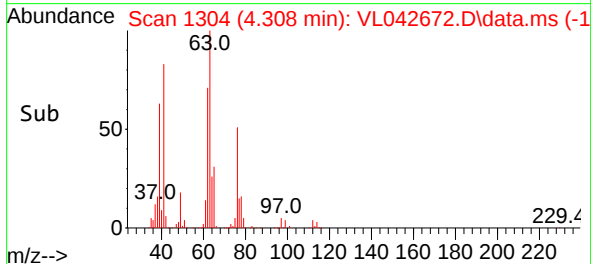
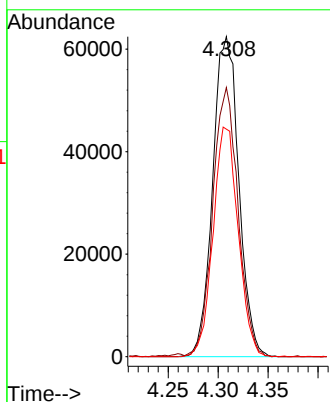
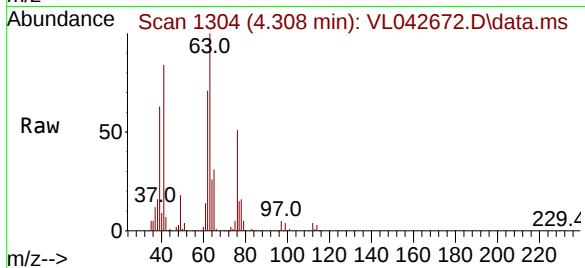
VL0627ABS01

Tgt Ion:	63	Resp:	11345
Ion	Ratio	Lower	Upper
63	100		
41	84.1	61.8	92.6
62	71.1	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: 11.353 ppbv

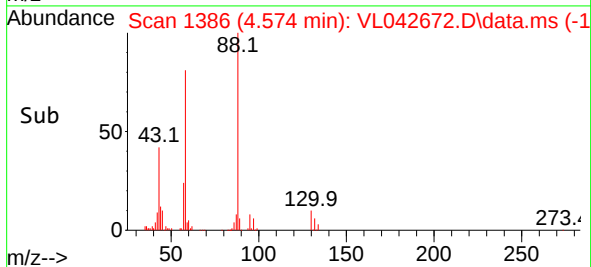
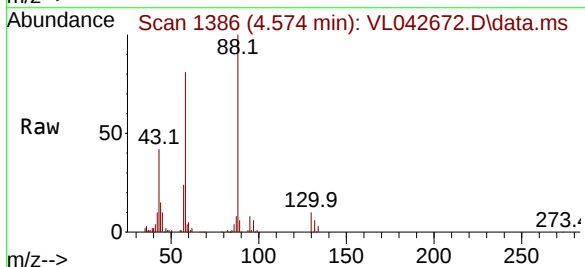
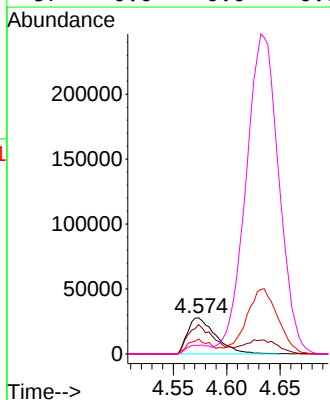
RT: 4.574 min Scan# 1386

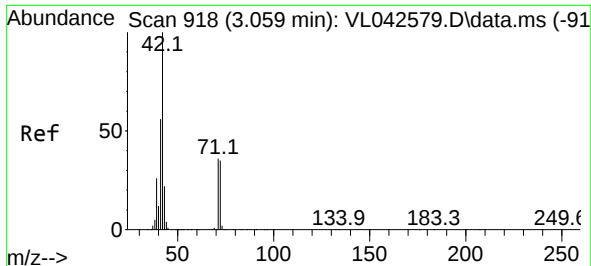
Delta R.T. -0.016 min

Lab File: VL042672.D

Acq: 27 Jun 2025 10:01

Tgt Ion:	88	Resp:	51153
Ion	Ratio	Lower	Upper
88	100		
58	73.8	55.8	83.8
43	33.7	24.8	37.2
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 10.881 ppbv

RT: 3.049 min Scan# 918

Delta R.T. -0.010 min

Lab File: VL042672.D

Acq: 27 Jun 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VL0627ABS01

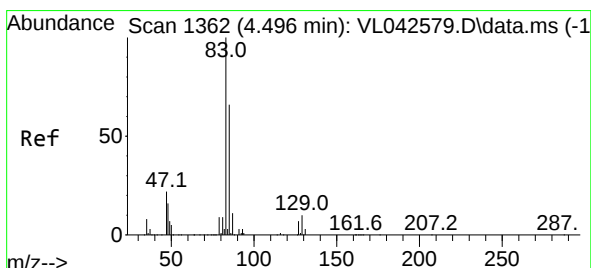
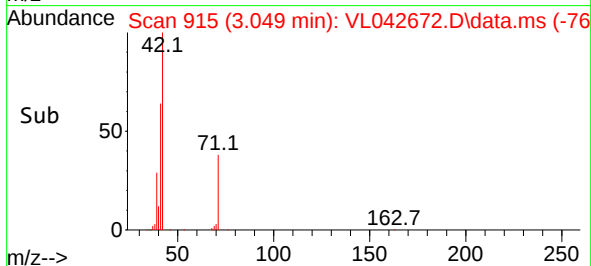
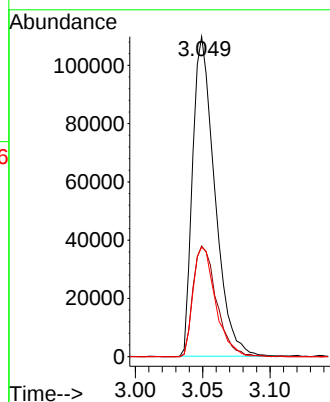
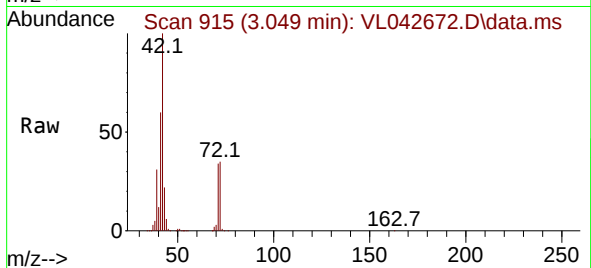
Tgt Ion: 42 Resp: 125597

Ion	Ratio	Lower	Upper
42	100		
72	36.6	28.9	43.3
71	34.8	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: 12.472 ppbv

RT: 4.483 min Scan# 1358

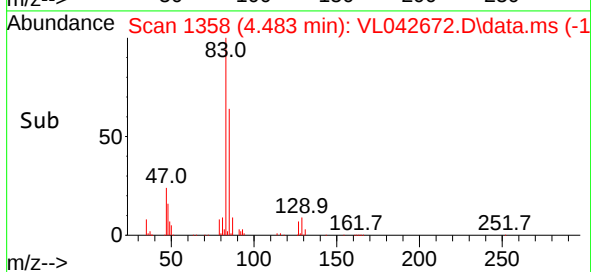
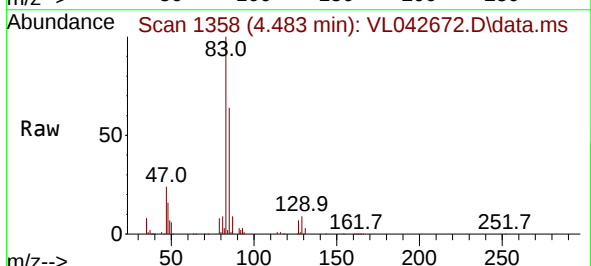
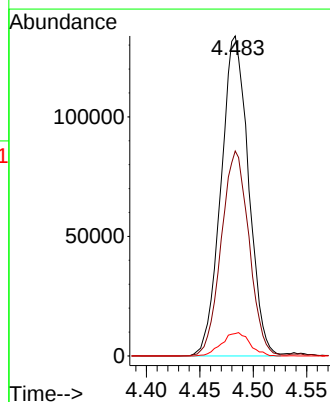
Delta R.T. -0.013 min

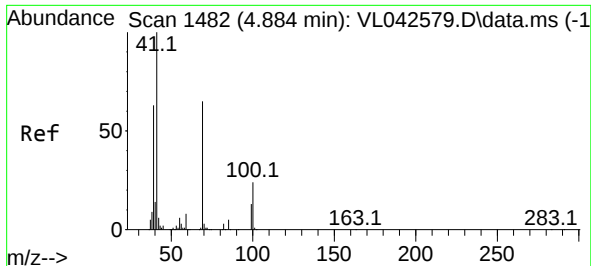
Lab File: VL042672.D

Acq: 27 Jun 2025 10:01

Tgt Ion: 83 Resp: 239716

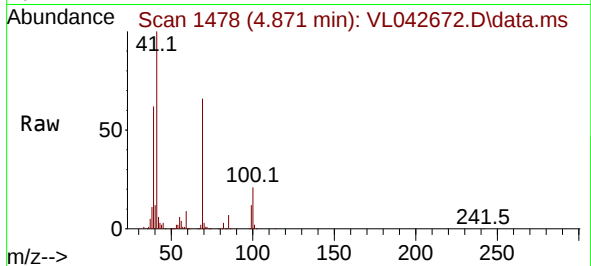
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.7	79.1
127	7.0	5.8	8.6





#43
Methyl Methacrylate
Concen: 10.799 ppbv
RT: 4.871 min Scan# 1478
Delta R.T. -0.013 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

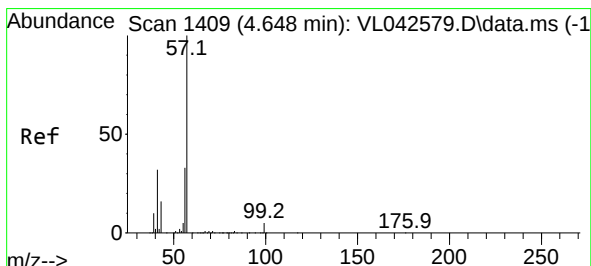
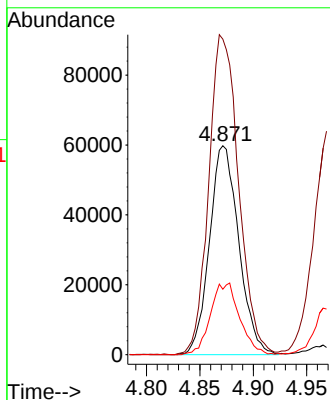
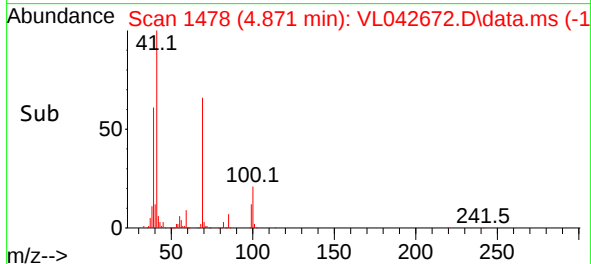
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



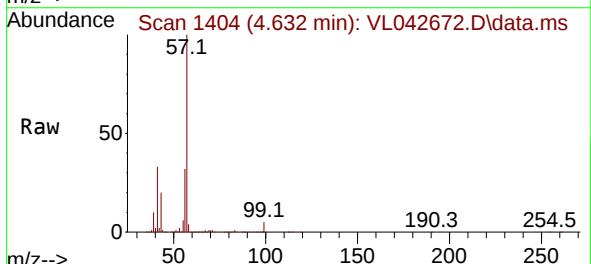
Tgt Ion: 69 Resp: 11412
Ion Ratio Lower Upper
69 100
41 155.6 124.6 187.0
100 34.3 29.9 44.9

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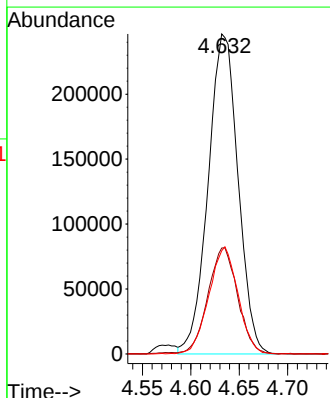
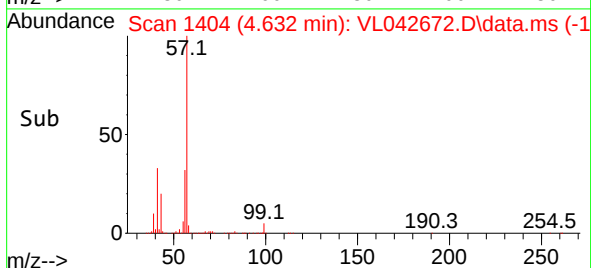
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

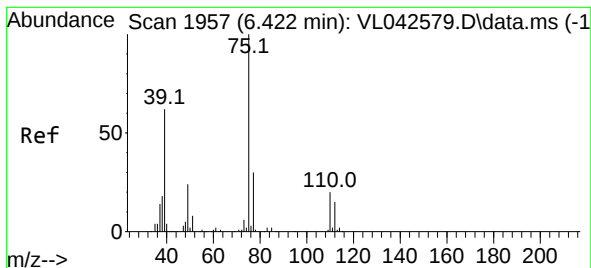


#44
2,2,4-Trimethylpentane
Concen: 11.374 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.016 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01



Tgt Ion: 57 Resp: 529719
Ion Ratio Lower Upper
57 100
41 33.2 26.1 39.1
56 32.6 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 10.737 ppbv

RT: 6.409 min Scan# 1957

Delta R.T. -0.013 min

Lab File: VL042672.D

Acq: 27 Jun 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VL0627ABS01

Tgt Ion: 75 Resp: 129839

Ion Ratio Lower Upper

75 100

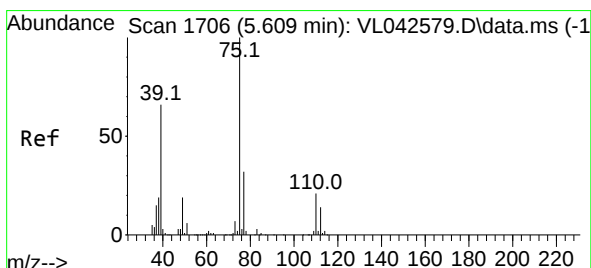
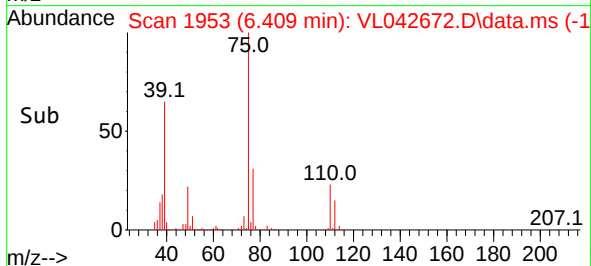
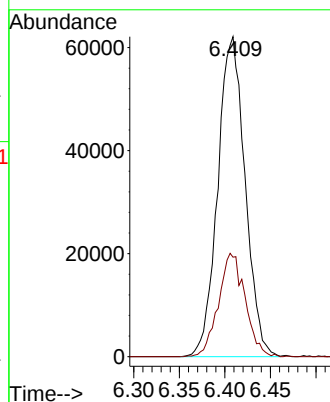
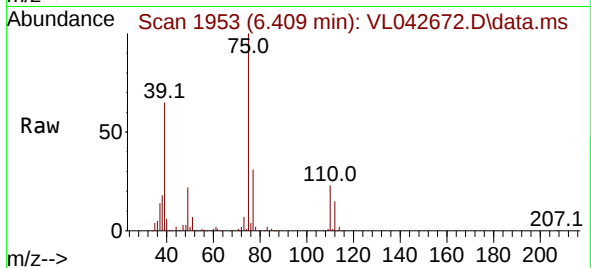
77 31.1 24.2 36.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/30/2025

Supervised By :Mahesh Dadoda 06/30/2025



#46

cis-1,3-Dichloropropene

Concen: 10.944 ppbv

RT: 5.593 min Scan# 1701

Delta R.T. -0.016 min

Lab File: VL042672.D

Acq: 27 Jun 2025 10:01

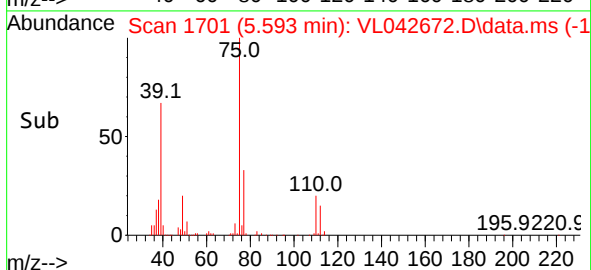
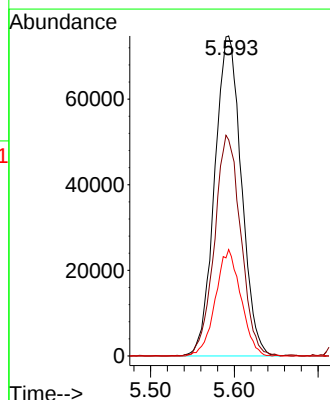
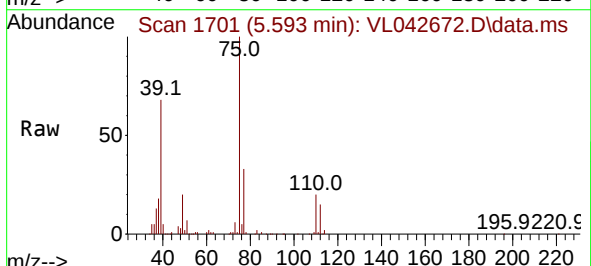
Tgt Ion: 75 Resp: 165832

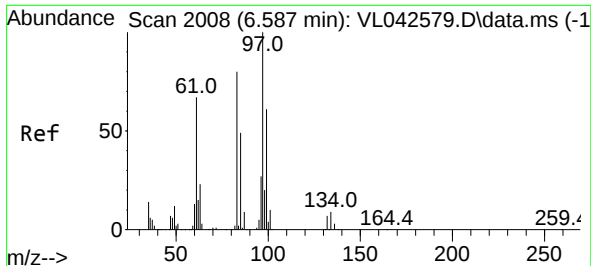
Ion Ratio Lower Upper

75 100

39 67.5 52.7 79.1

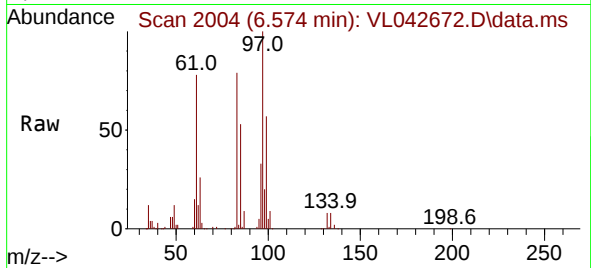
77 33.3 25.8 38.8





#47
1,1,2-Trichloroethane
Concen: 11.634 ppbv
RT: 6.574 min Scan# 2004
Delta R.T. -0.013 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

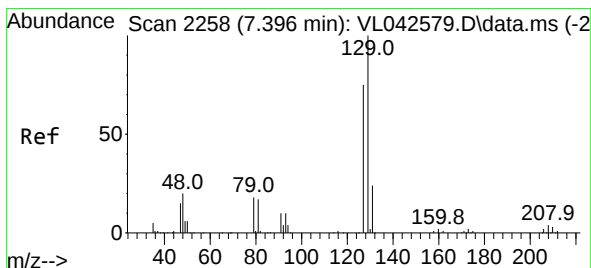
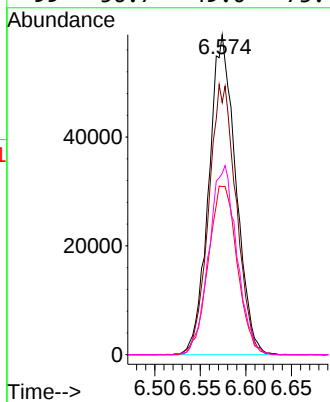
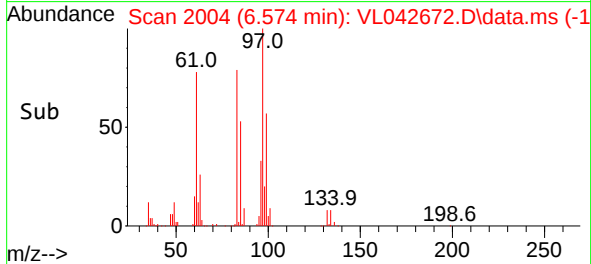
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



Tgt Ion: 97 Resp: 121264
Ion Ratio Lower Upper
97 100
83 78.7 63.9 95.9
85 52.6 39.2 58.8
99 56.7 49.0 73.4

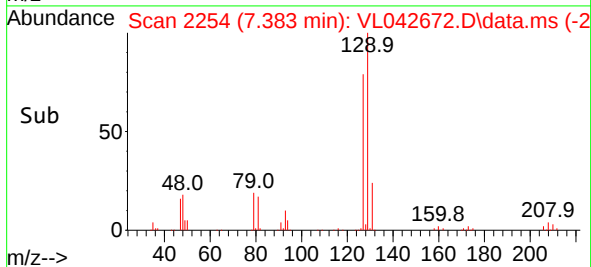
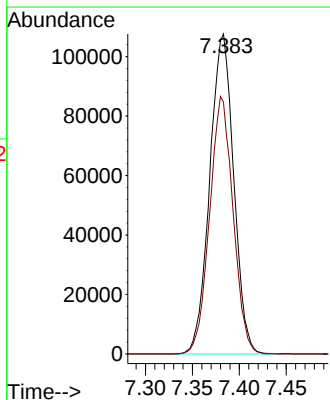
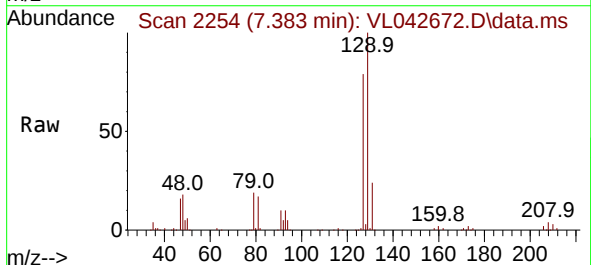
Manual Integrations
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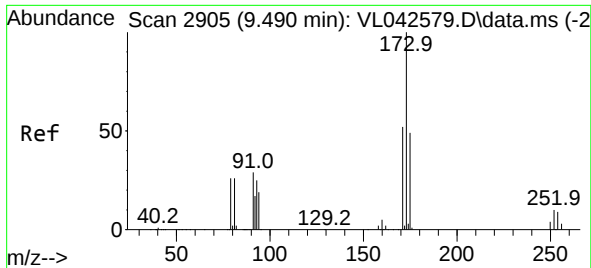
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#48
Dibromochloromethane
Concen: 11.428 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. -0.013 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

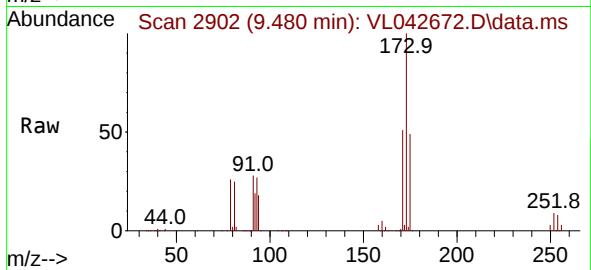
Tgt Ion:129 Resp: 190692
Ion Ratio Lower Upper
129 100
127 78.8 39.0 116.9





#49
Bromoform
Concen: 11.748 ppbv
RT: 9.480 min Scan# 2905
Delta R.T. -0.010 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

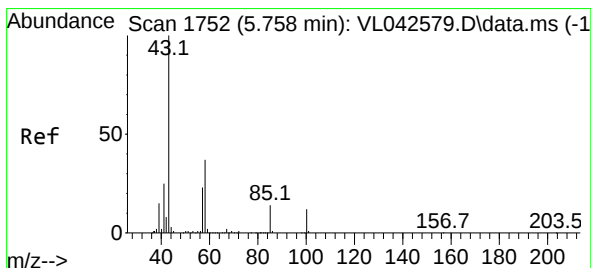
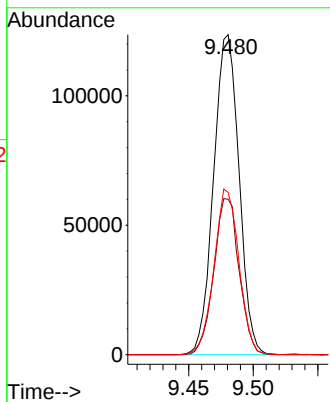
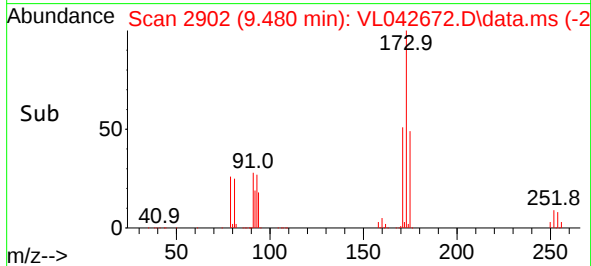
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



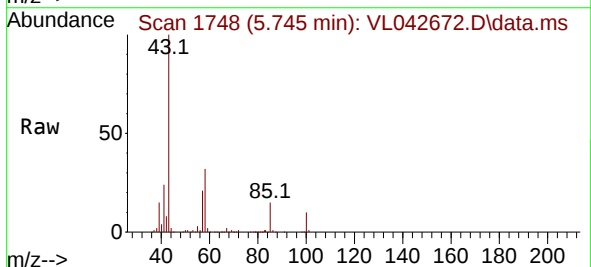
Tgt Ion:173 Resp: 16914
Ion Ratio Lower Upper
173 100
175 48.5 38.7 58.1
171 50.8 41.2 61.8

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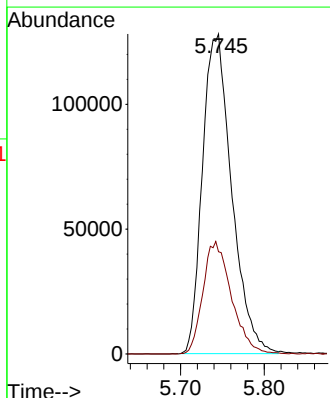
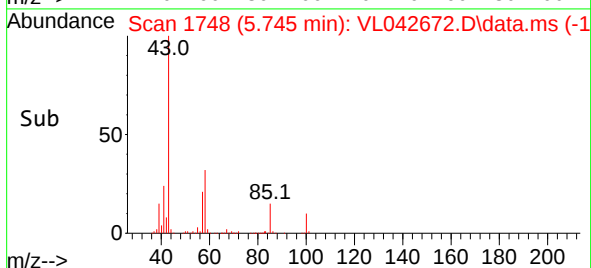
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

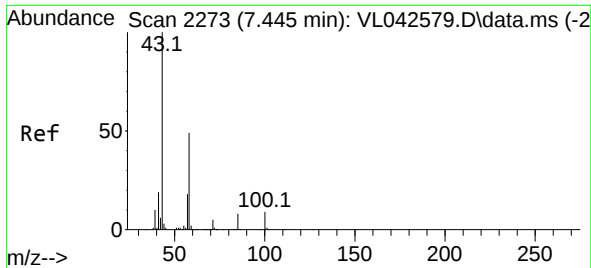


#50
4-Methyl-2-Pentanone
Concen: 11.359 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. -0.013 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01



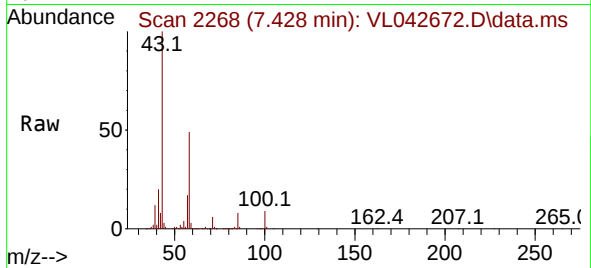
Tgt Ion: 43 Resp: 310680
Ion Ratio Lower Upper
43 100
58 34.3 28.3 42.5





#51
2-Hexanone
Concen: 11.239 ppbv
RT: 7.428 min Scan# 2133
Delta R.T. -0.016 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

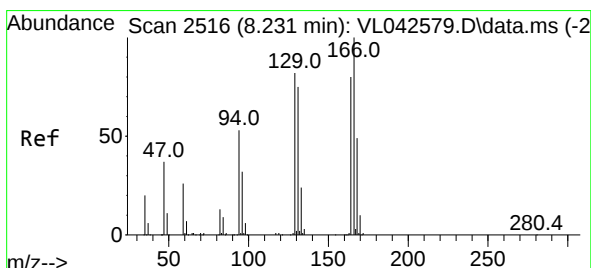
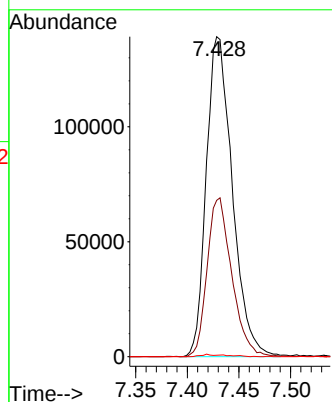
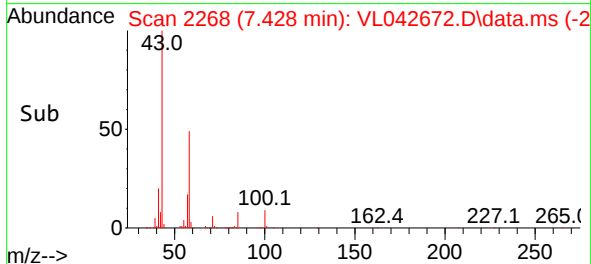
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



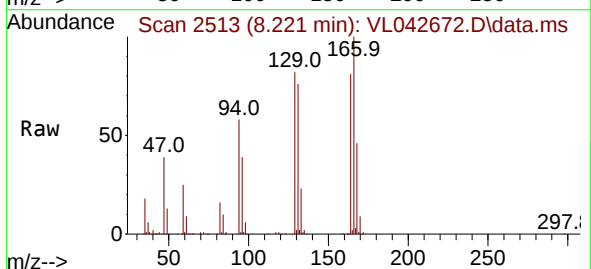
Tgt Ion: 43 Resp: 243780
Ion Ratio Lower Upper
43 100
58 47.1 39.9 59.9
98 0.7 0.1 0.1

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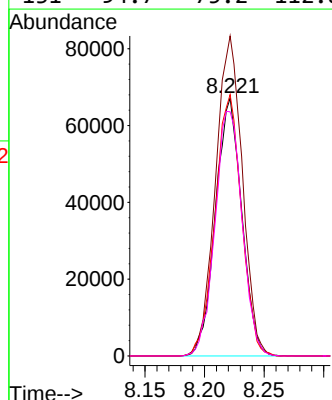
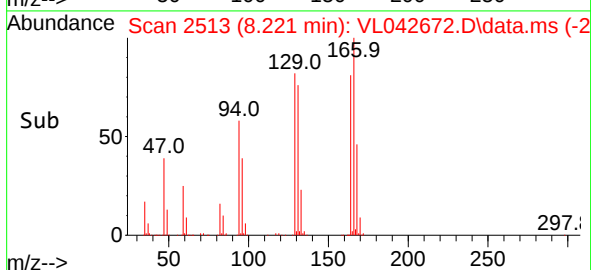
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

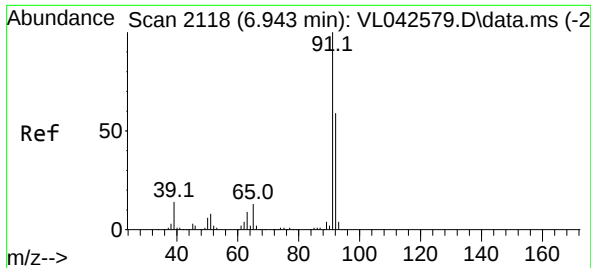


#52
Tetrachloroethene
Concen: 10.142 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.010 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01



Tgt Ion:164 Resp: 103190
Ion Ratio Lower Upper
164 100
166 124.2 100.0 150.0
129 101.4 82.2 123.4
131 94.7 75.2 112.8





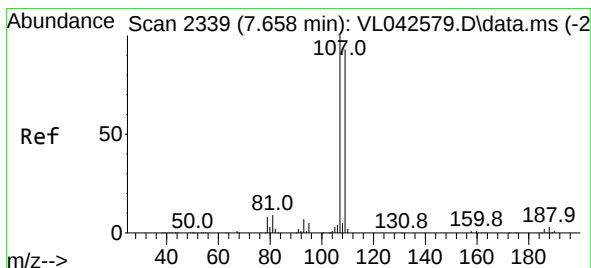
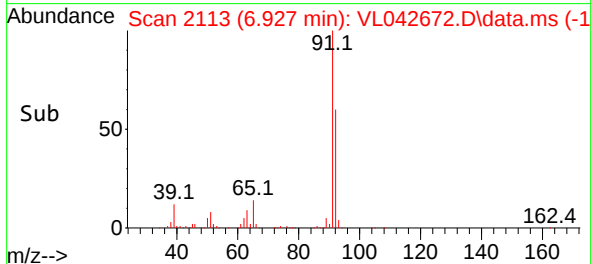
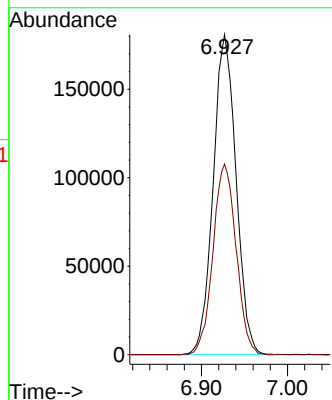
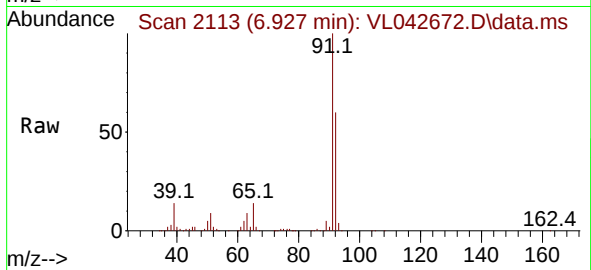
#53
Toluene
Concen: 10.622 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. -0.016 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01

Tgt Ion: 91 Resp: 33428
Ion Ratio Lower Upper
91 100
92 60.2 48.2 72.4

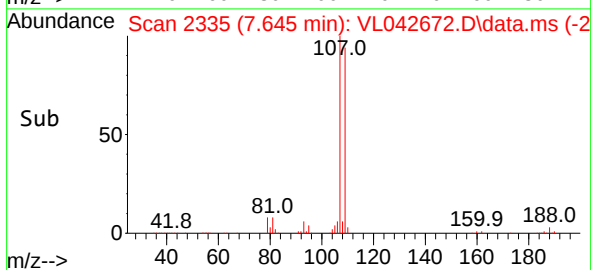
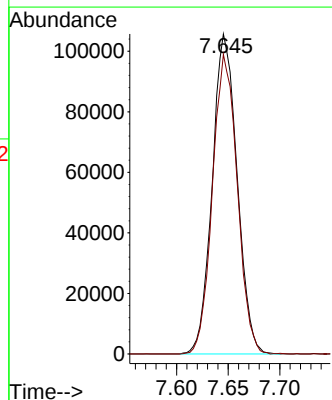
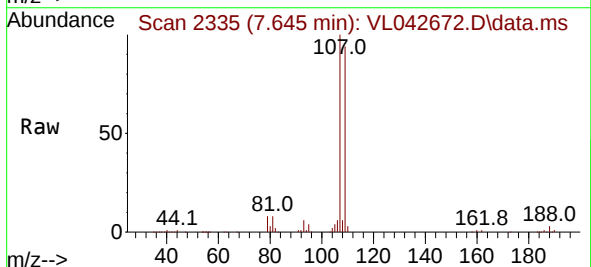
Manual Integrations
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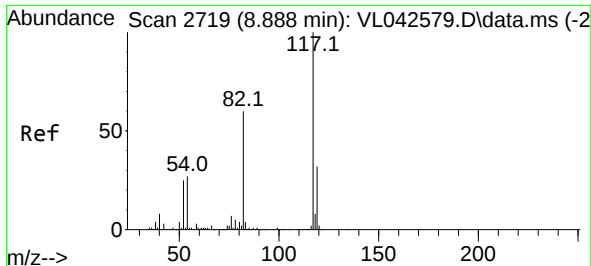
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#54
1,2-Dibromoethane
Concen: 11.477 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.013 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

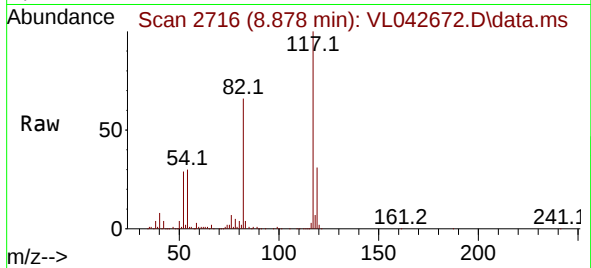
Tgt Ion:107 Resp: 177063
Ion Ratio Lower Upper
107 100
109 93.6 74.3 111.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2719
Delta R.T. -0.010 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

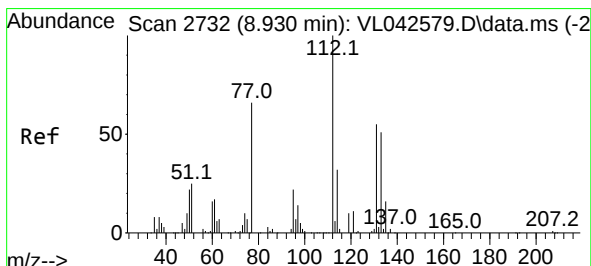
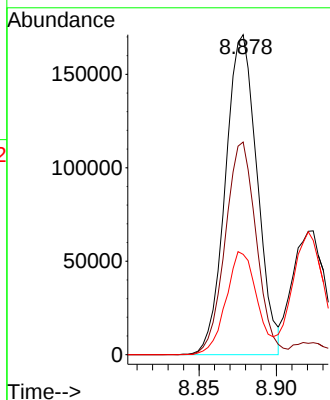
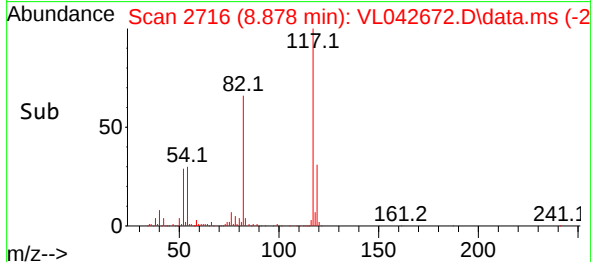
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



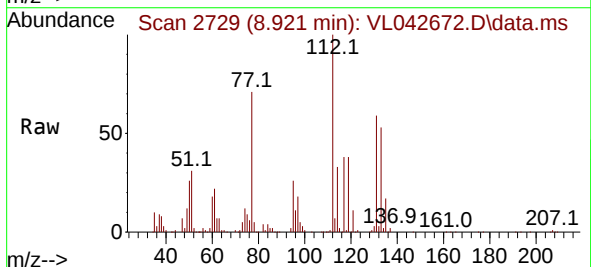
Tgt Ion:117 Resp: 24374
Ion Ratio Lower Upper
117 100
82 69.1 51.2 76.8
119 32.3 26.3 39.5

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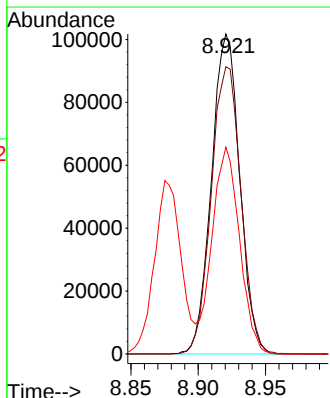
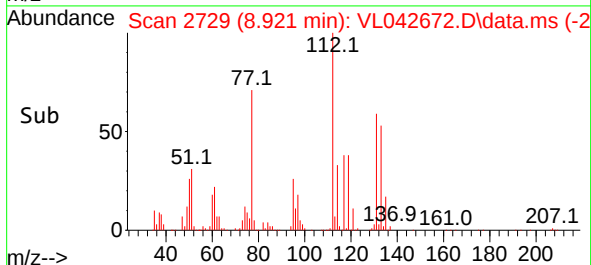
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

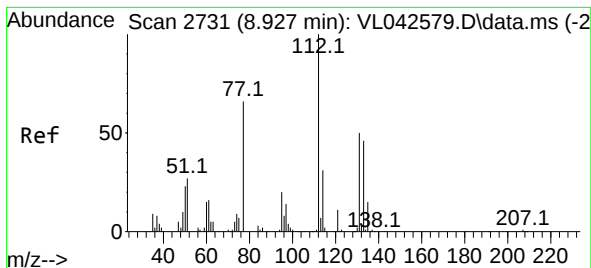


#56
1,1,1,2-Tetrachloroethane
Concen: 12.112 ppbv
RT: 8.921 min Scan# 2729
Delta R.T. -0.010 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01



Tgt Ion:131 Resp: 148442
Ion Ratio Lower Upper
131 100
133 94.4 75.0 112.6
119 63.1 50.8 76.2





#57

Chlorobenzene

Concen: 11.361 ppbv

RT: 8.917 min Scan# 21

Delta R.T. -0.010 min

Lab File: VL042672.D

Acq: 27 Jun 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

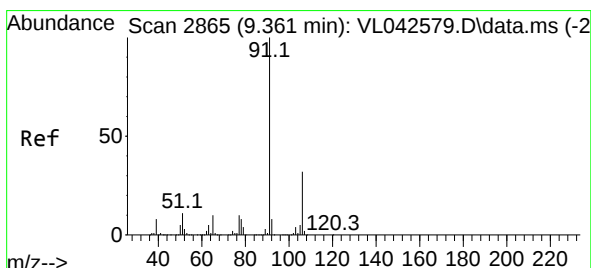
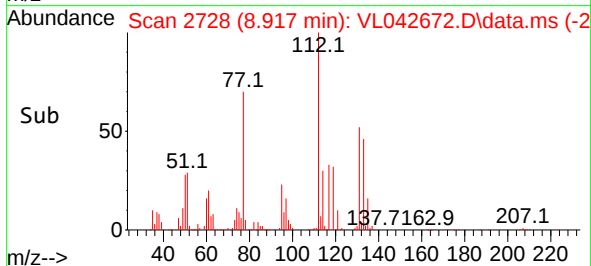
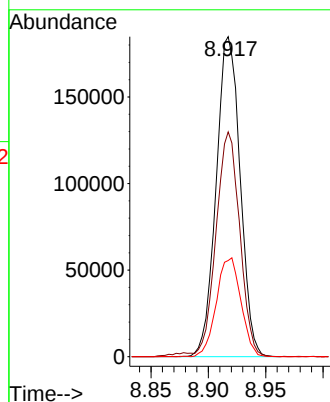
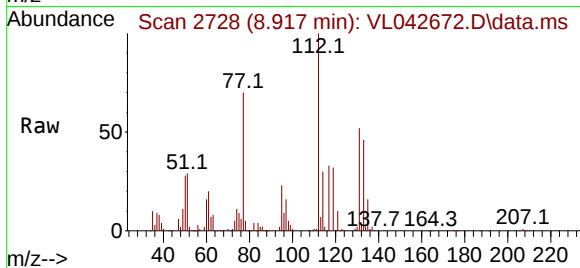
VL0627ABS01

Tgt Ion:112 Resp: 268870
 Ion Ratio Lower Upper
 112 100
 77 70.2 53.5 80.3
 114 30.1 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: 11.336 ppbv

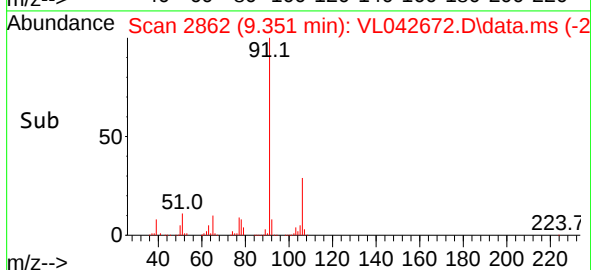
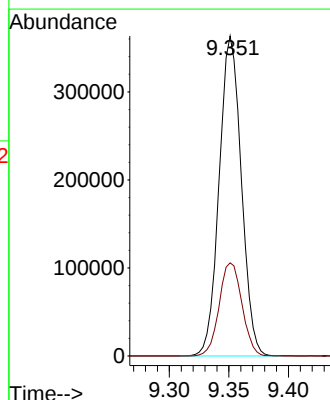
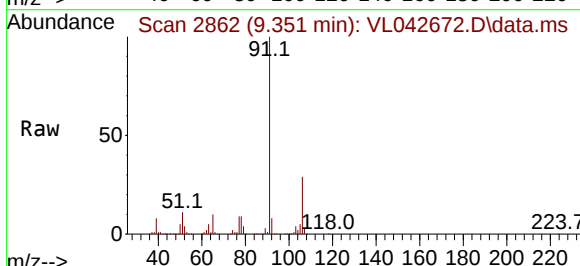
RT: 9.351 min Scan# 2862

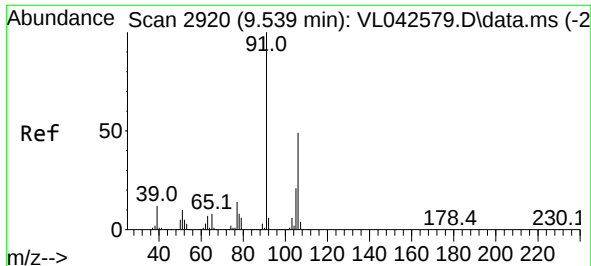
Delta R.T. -0.010 min

Lab File: VL042672.D

Acq: 27 Jun 2025 10:01

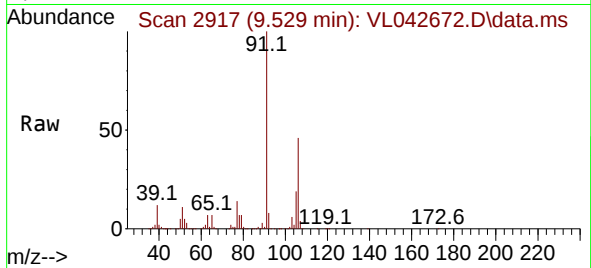
Tgt Ion: 91 Resp: 468690
 Ion Ratio Lower Upper
 91 100
 106 29.1 25.9 38.9





#59
m/p-Xylene
Concen: 23.925 ppbv m
RT: 9.529 min Scan# 2917
Delta R.T. -0.010 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

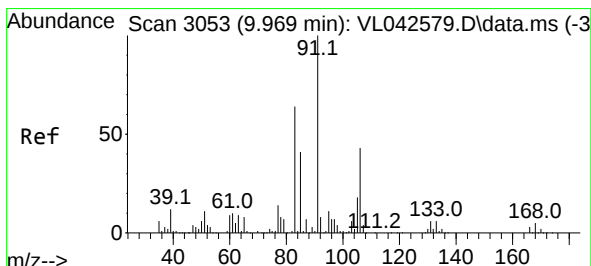
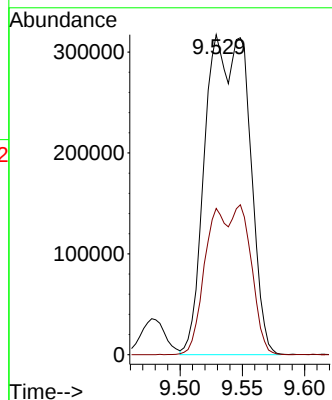
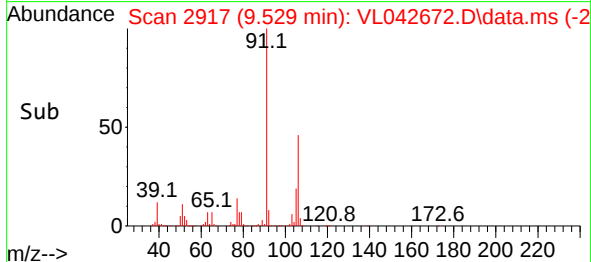
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



Tgt Ion: 91 Resp: 778438
Ion Ratio Lower Upper
91 100
106 0.0 38.8 58.2

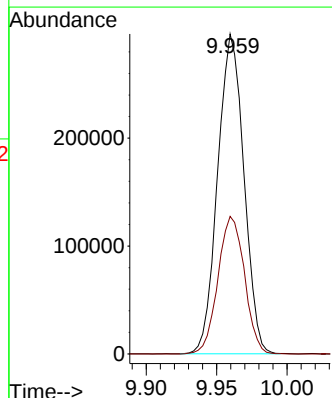
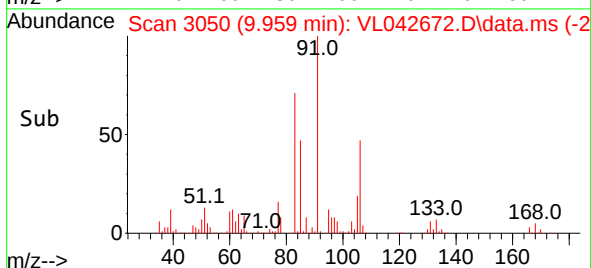
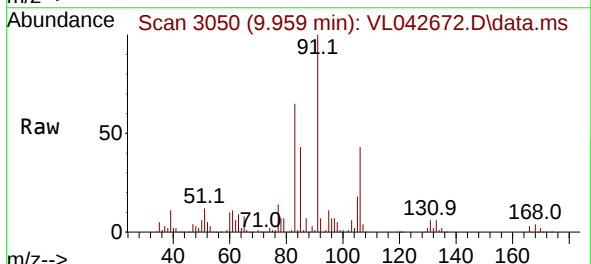
Manual Integrations
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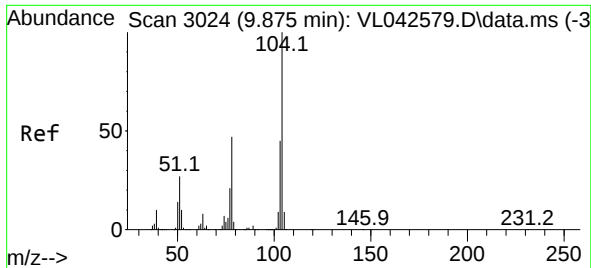
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#60
o-Xylene
Concen: 11.839 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.010 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

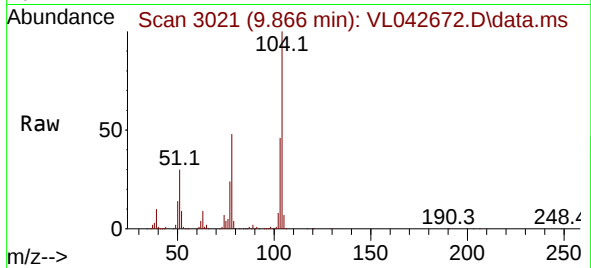
Tgt Ion: 91 Resp: 384191
Ion Ratio Lower Upper
91 100
106 43.6 22.9 68.5





#61
Styrene
Concen: 10.638 ppbv
RT: 9.866 min Scan# 3024
Delta R.T. -0.010 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

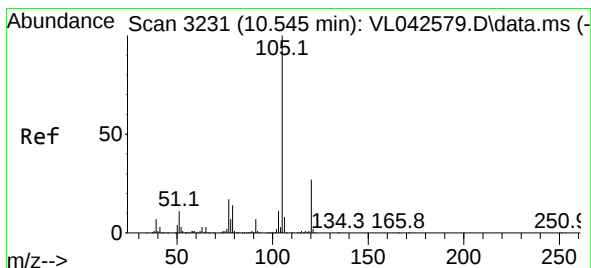
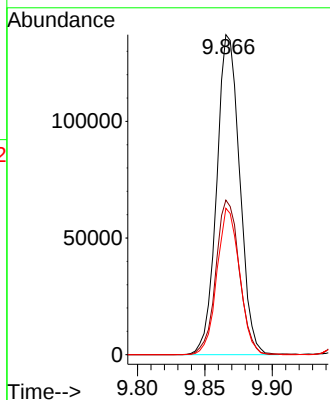
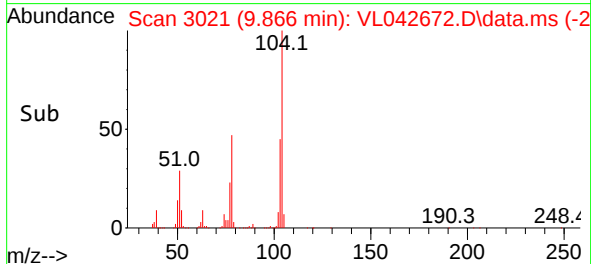
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



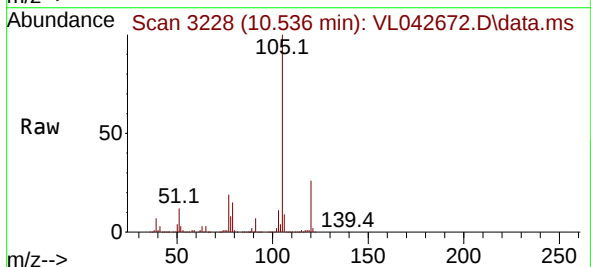
Tgt Ion:104 Resp: 163212
Ion Ratio Lower Upper
104 100
78 49.2 38.2 57.4
103 45.0 36.7 55.1

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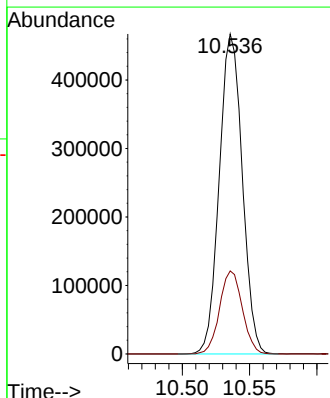
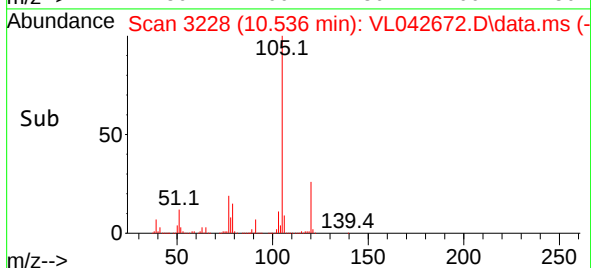
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

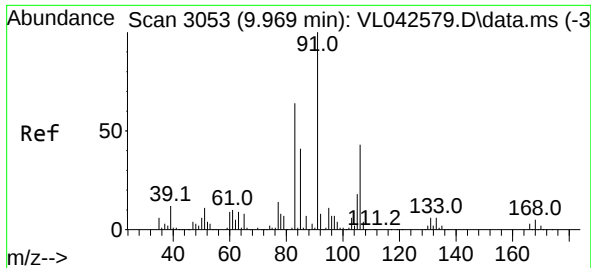


#62
Isopropylbenzene
Concen: 11.562 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.010 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01



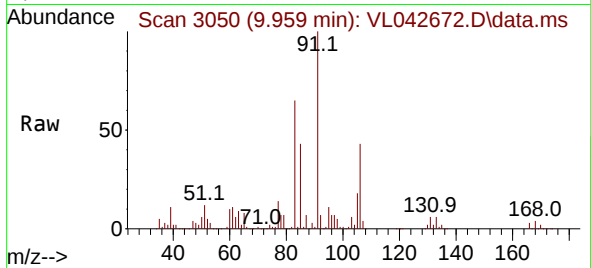
Tgt Ion:105 Resp: 554283
Ion Ratio Lower Upper
105 100
120 25.6 20.9 31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 12.148 ppbv
RT: 9.959 min Scan# 3053
Delta R.T. -0.010 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

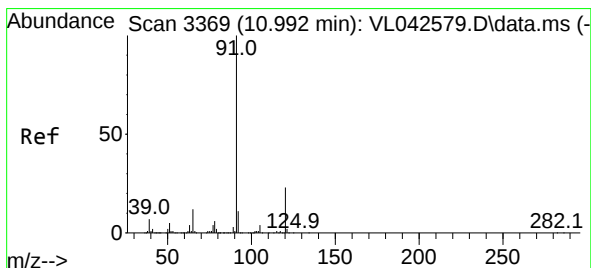
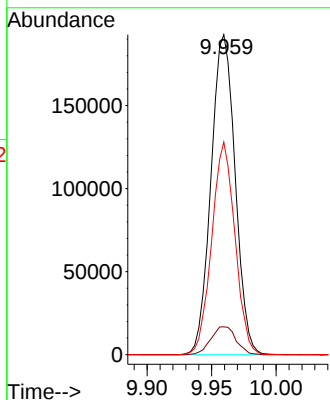
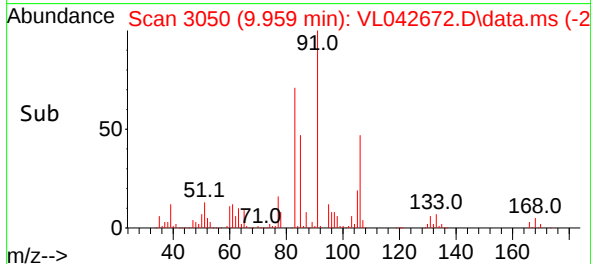
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



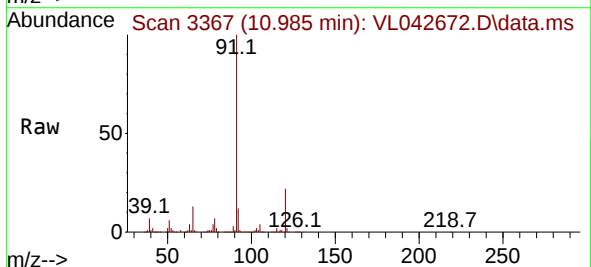
Tgt Ion: 83 Resp: 25066
Ion Ratio Lower Upper
83 100
131 9.1 4.8 14.4
85 64.0 32.5 97.4

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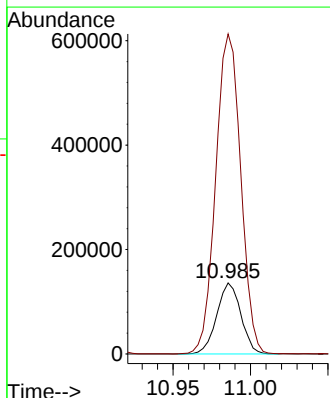
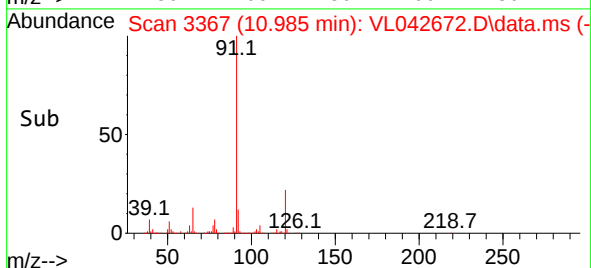
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

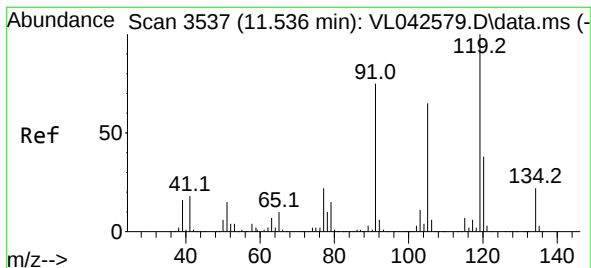


#64
n-propylbenzene
Concen: 11.427 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.006 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01



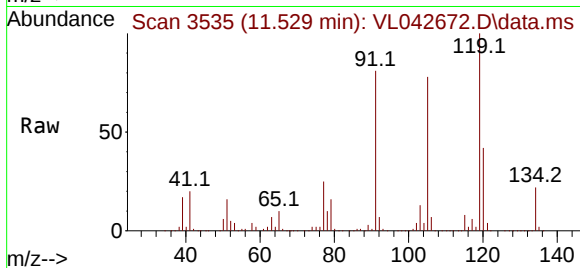
Tgt Ion:120 Resp: 146849
Ion Ratio Lower Upper
120 100
91 469.3 363.0 544.6





#65
tert-Butylbenzene
Concen: 11.190 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.006 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

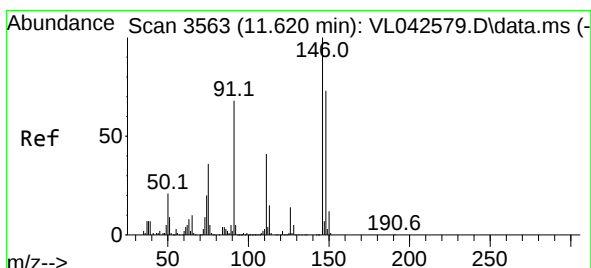
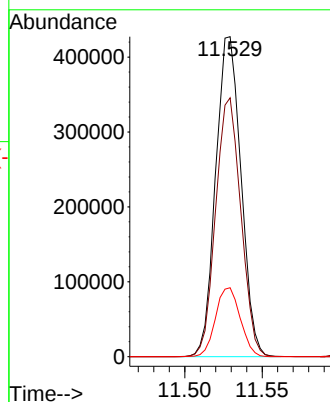
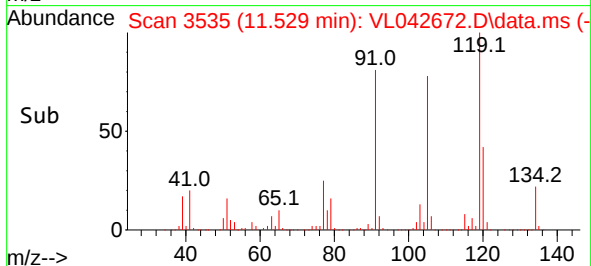
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



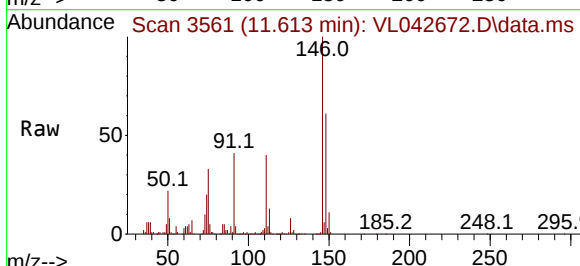
Tgt Ion:119 Resp: 48683
Ion Ratio Lower Upper
119 100
91 80.4 61.1 91.7
134 21.0 17.4 26.2

Manual Integrations
APPROVED

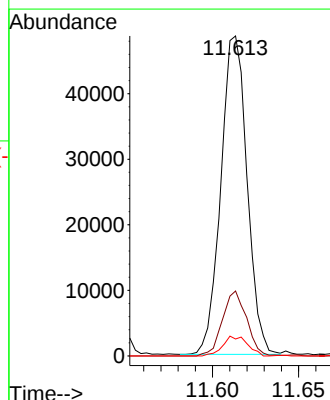
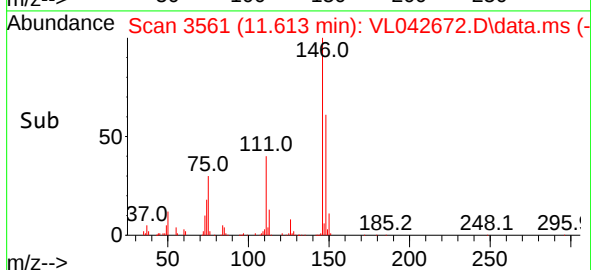
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

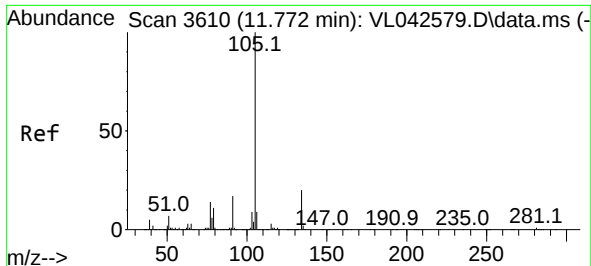


#66
Benzyl Chloride
Concen: 9.202 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.006 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01



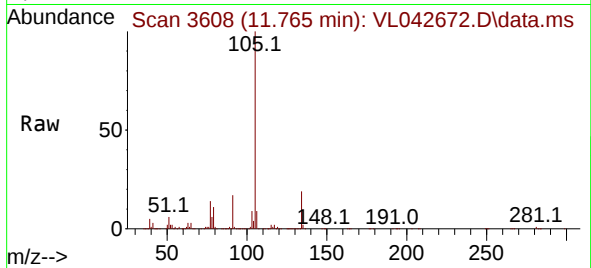
Tgt Ion: 91 Resp: 51531
Ion Ratio Lower Upper
91 100
126 19.0 15.1 22.7
128 6.0 5.0 7.6





#67
 sec-Butylbenzene
 Concen: 11.438 ppbv
 RT: 11.765 min Scan# 3610
 Delta R.T. -0.006 min
 Lab File: VL042672.D
 Acq: 27 Jun 2025 10:01

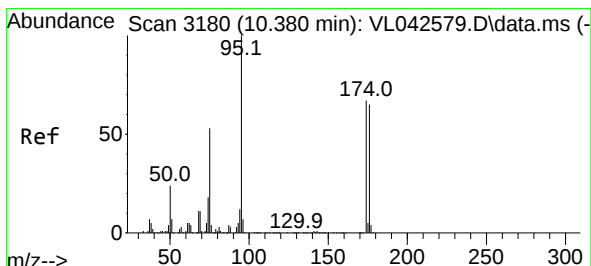
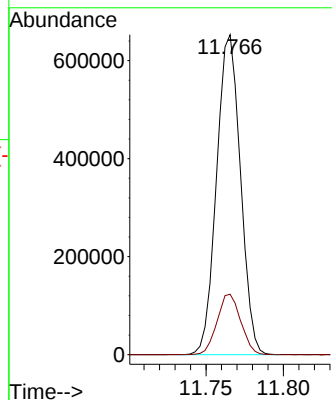
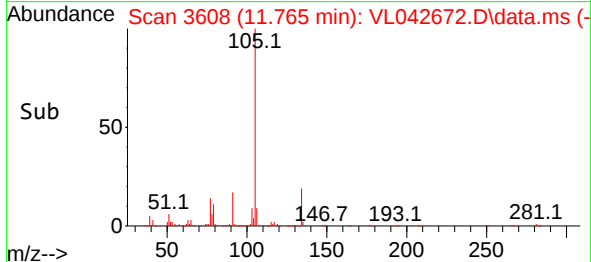
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0627ABS01



Tgt Ion:105 Resp: 699608
 Ion Ratio Lower Upper
 105 100
 134 18.8 15.8 23.6

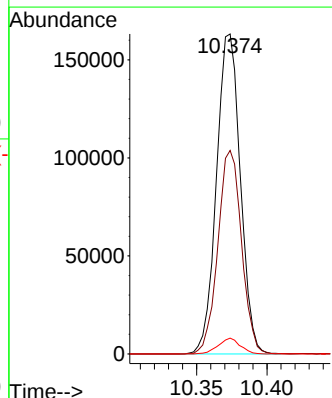
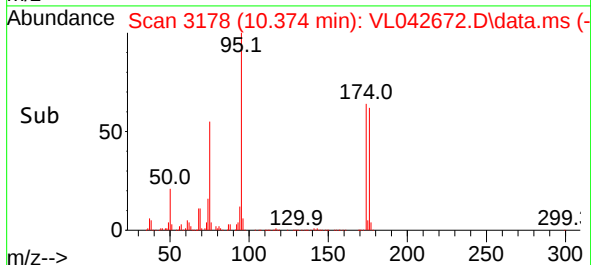
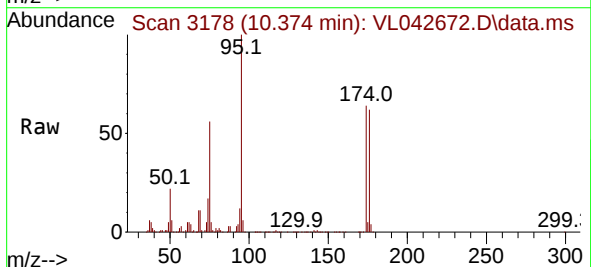
Manual Integrations
 APPROVED

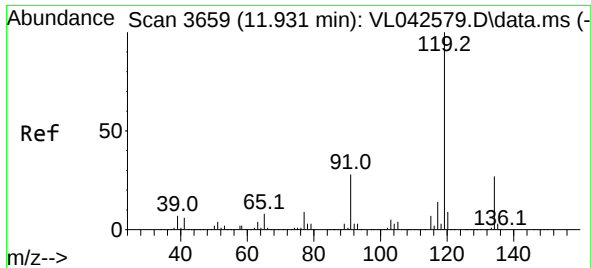
Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.542 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. -0.006 min
 Lab File: VL042672.D
 Acq: 27 Jun 2025 10:01

Tgt Ion: 95 Resp: 192618
 Ion Ratio Lower Upper
 95 100
 174 63.2 53.1 79.7
 175 4.6 4.2 6.2





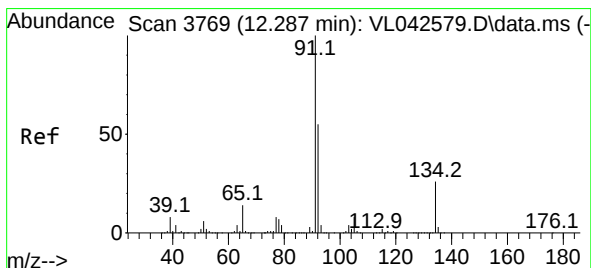
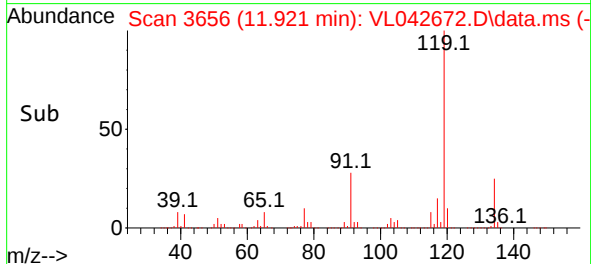
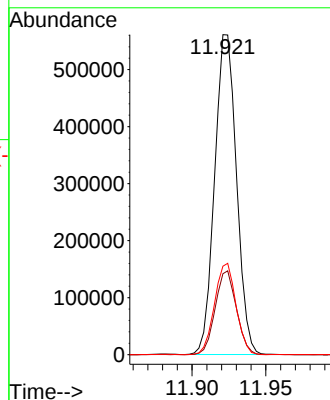
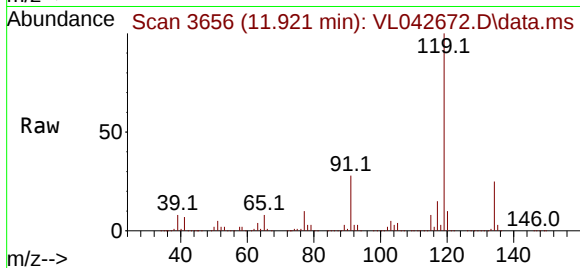
#69
p-Isopropyltoluene
Concen: 11.301 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. -0.010 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01

Tgt Ion:119 Resp: 57885
Ion Ratio Lower Upper
119 100
134 25.5 21.1 31.7
91 28.1 21.9 32.9

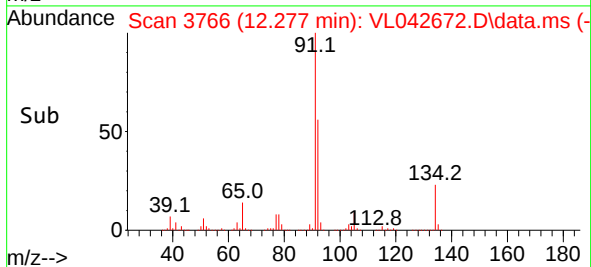
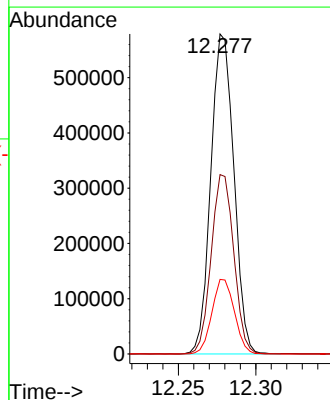
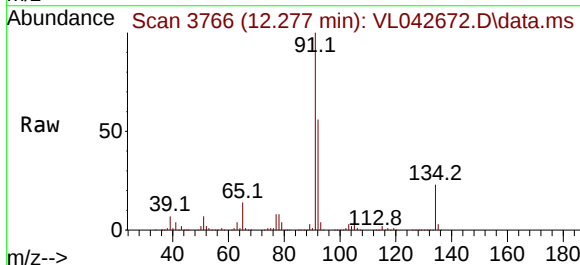
Manual Integrations
APPROVED

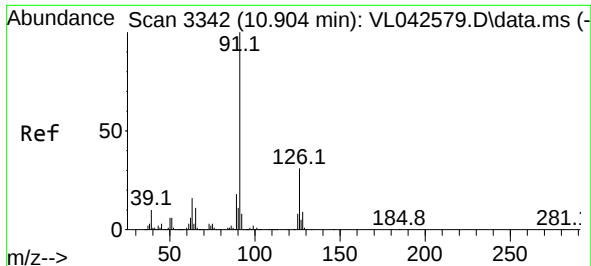
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#70
n-Butylbenzene
Concen: 11.822 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.010 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

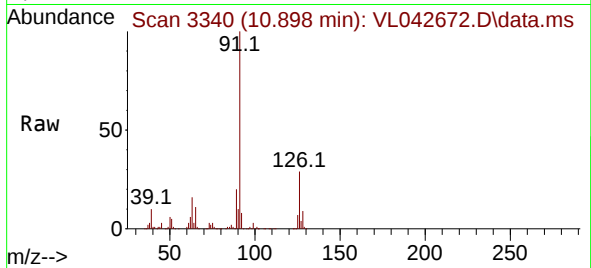
Tgt Ion: 91 Resp: 597699
Ion Ratio Lower Upper
91 100
92 55.1 44.4 66.6
134 22.7 20.1 30.1





#71
2-Chlorotoluene
Concen: 11.560 ppbv
RT: 10.898 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

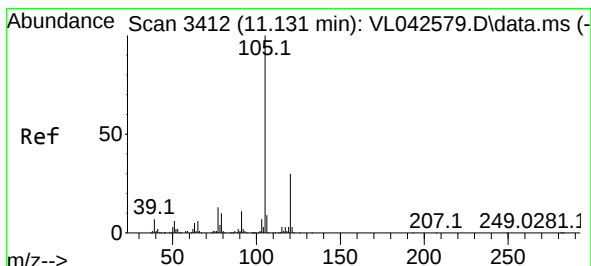
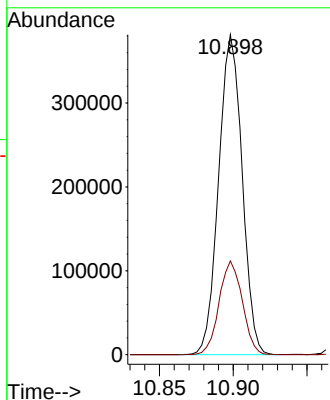
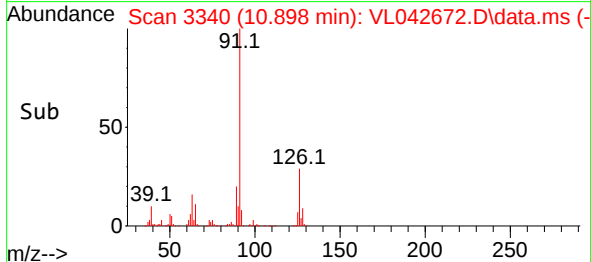
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



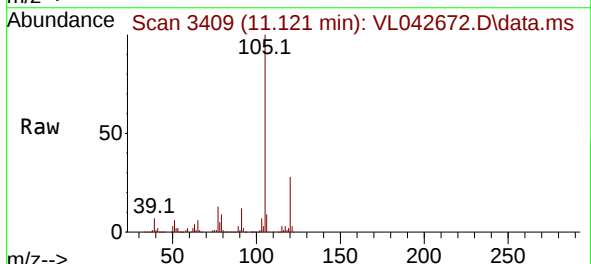
Tgt Ion: 91 Resp: 422724
Ion Ratio Lower Upper
91 100
126 28.9 12.6 50.4

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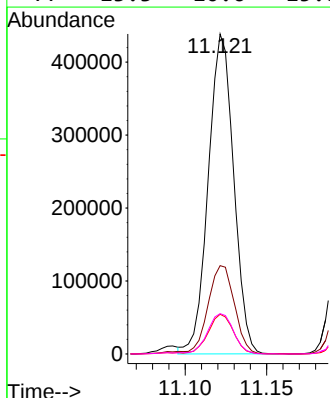
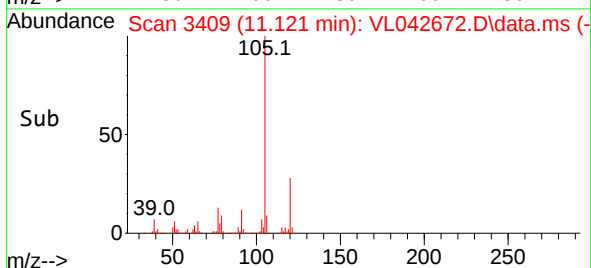
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

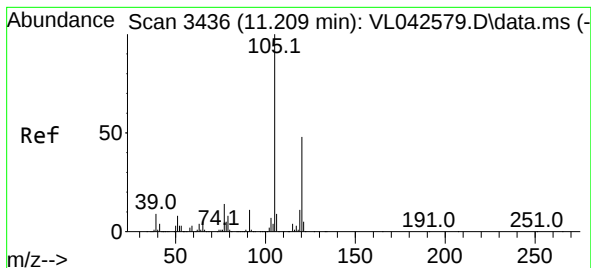


#72
4-Ethyltoluene
Concen: 11.734 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.010 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01



Tgt Ion:105 Resp: 474718
Ion Ratio Lower Upper
105 100
120 29.2 24.6 36.8
91 12.8 9.6 14.4
77 13.3 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 11.649 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. -0.010 min

Lab File: VL042672.D

Acq: 27 Jun 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VL0627ABS01

Tgt Ion:105 Resp: 390052

Ion Ratio Lower Upper

105 100

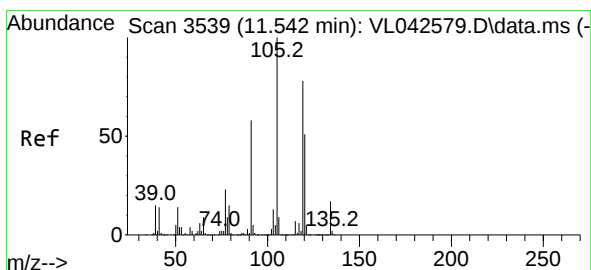
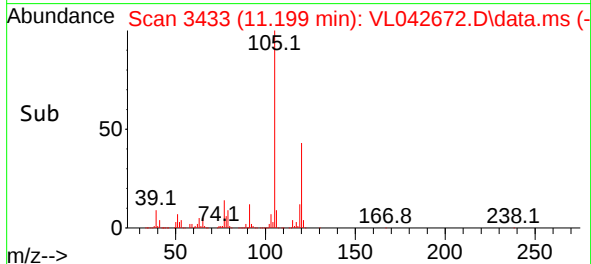
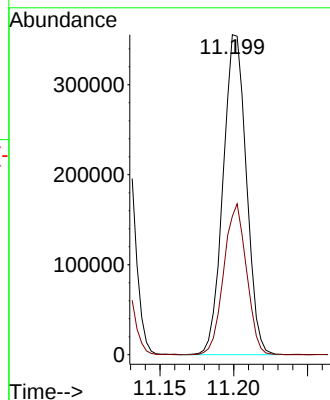
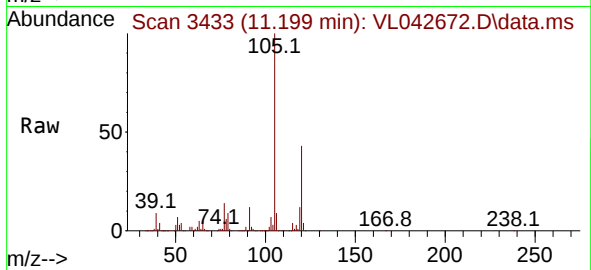
120 43.2 38.8 58.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025

Supervised By :Mahesh Dadoda 06/30/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.628 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.010 min

Lab File: VL042672.D

Acq: 27 Jun 2025 10:01

Tgt Ion:105 Resp: 432083

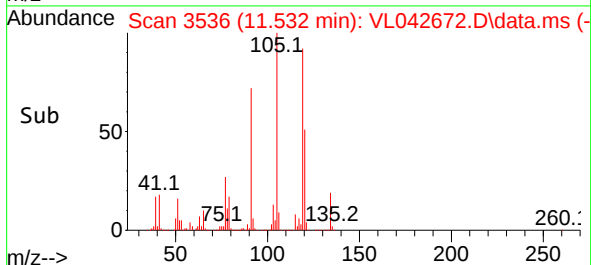
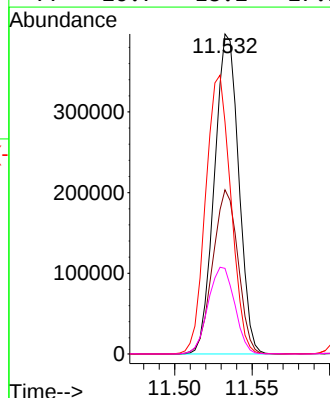
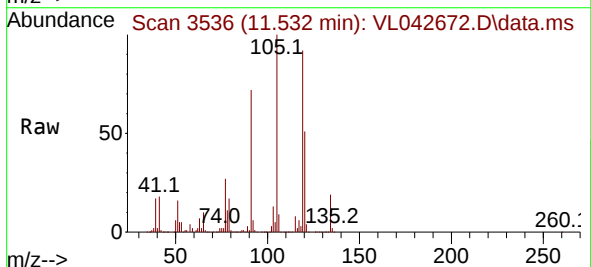
Ion Ratio Lower Upper

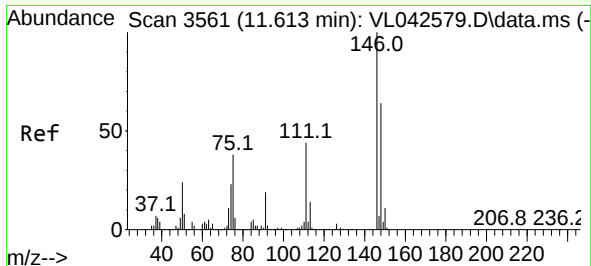
105 100

120 51.3 40.8 61.2

91 72.4 46.8 70.2#

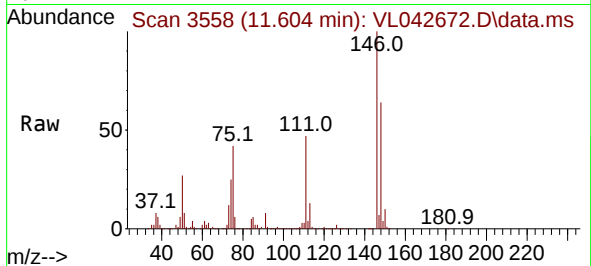
77 26.7 18.2 27.2





#75
1,3-Dichlorobenzene
Concen: 11.655 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.010 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

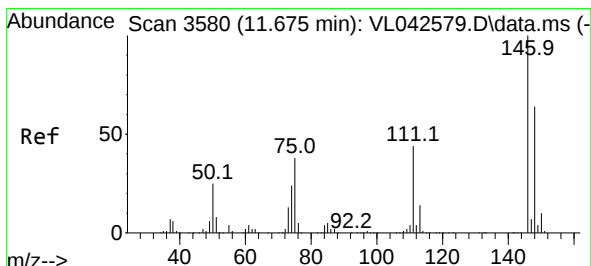
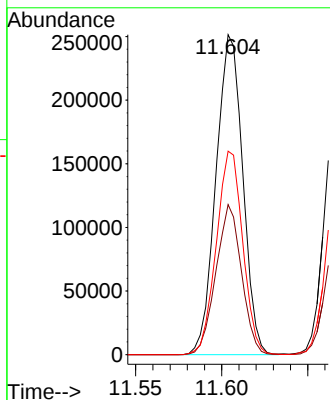
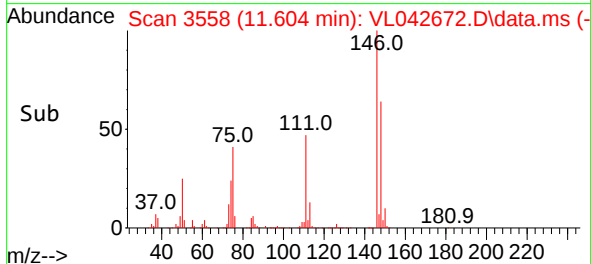
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



Tgt Ion:146 Resp: 271970
Ion Ratio Lower Upper
146 100
111 44.9 22.4 67.3
148 62.8 32.0 96.2

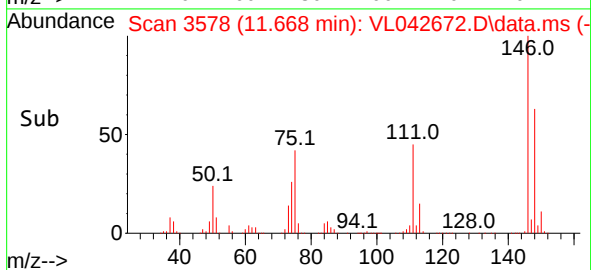
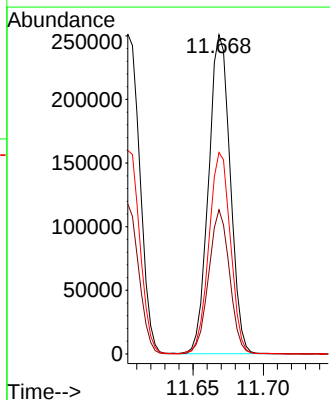
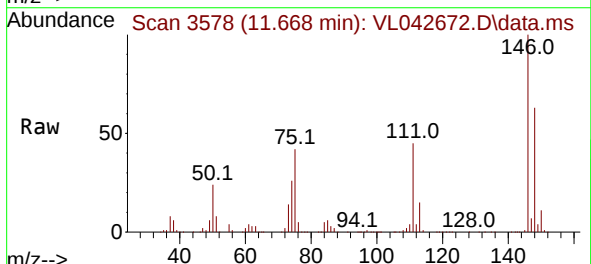
Manual Integrations
APPROVED

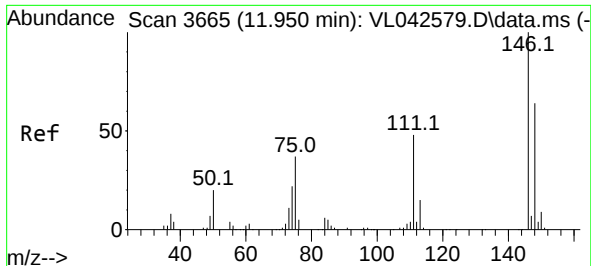
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#76
1,4-Dichlorobenzene
Concen: 11.548 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.006 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

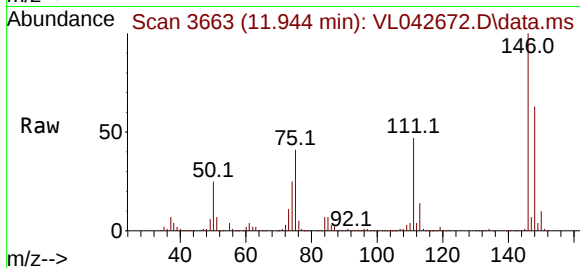
Tgt Ion:146 Resp: 268767
Ion Ratio Lower Upper
146 100
111 43.6 21.6 64.8
148 63.0 32.1 96.5





#77
1,2-Dichlorobenzene
Concen: 11.470 ppbv
RT: 11.944 min Scan# 3663
Delta R.T. -0.006 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

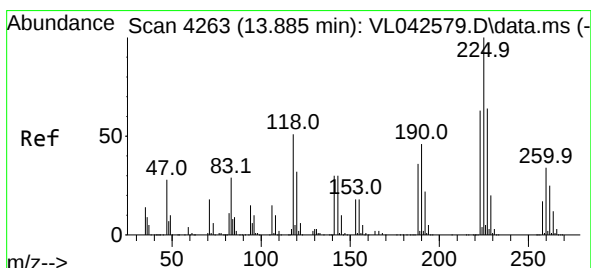
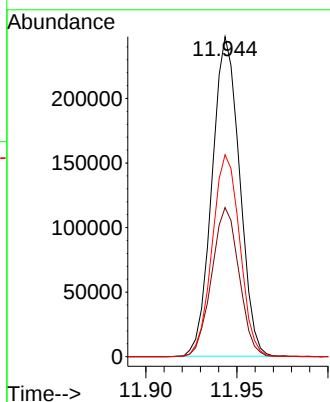
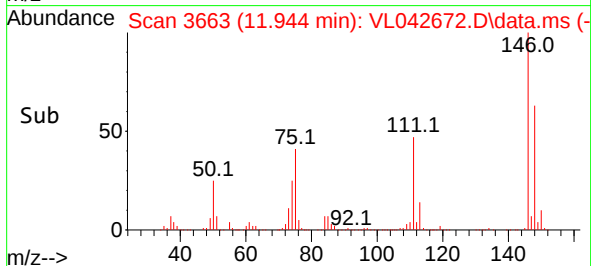
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



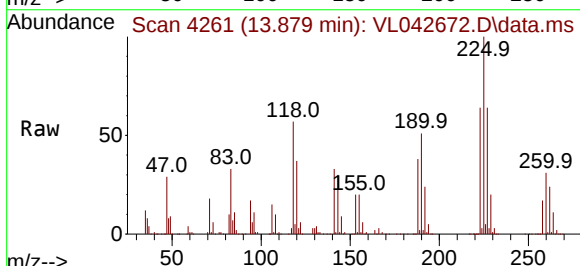
Tgt Ion:146 Resp: 259764
Ion Ratio Lower Upper
146 100
111 46.6 23.1 69.3
148 63.5 32.1 96.3

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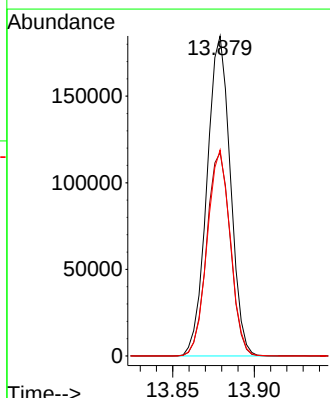
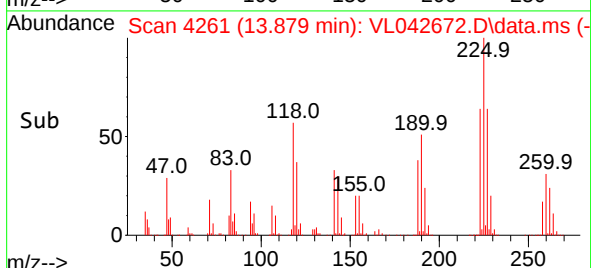
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

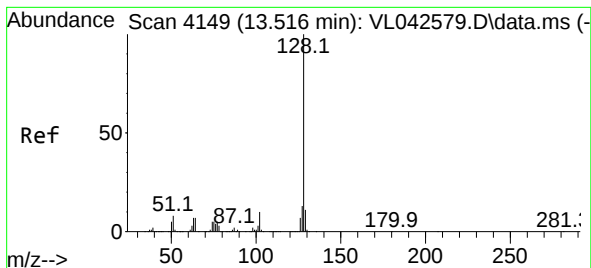


#78
Hexachloro-1,3-Butadiene
Concen: 9.850 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.006 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01



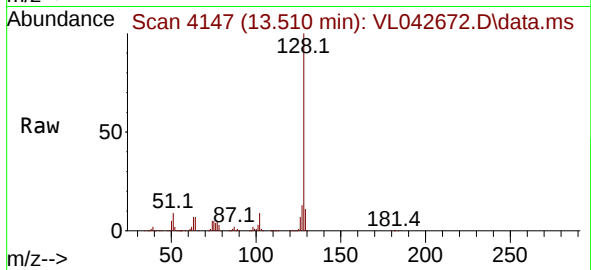
Tgt Ion:225 Resp: 184563
Ion Ratio Lower Upper
225 100
223 63.9 50.2 75.4
227 63.5 51.1 76.7





#79
Naphthalene
Concen: 11.777 ppbv
RT: 13.510 min Scan# 4149
Delta R.T. -0.006 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01

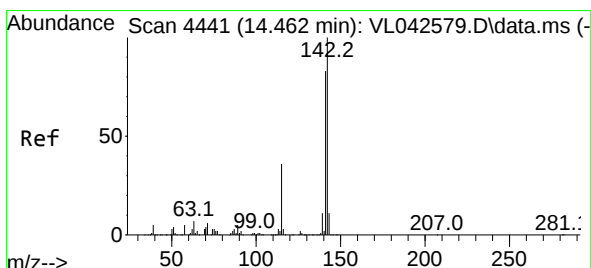
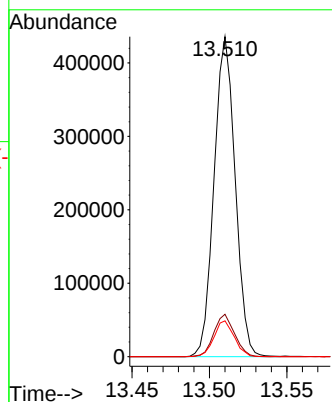
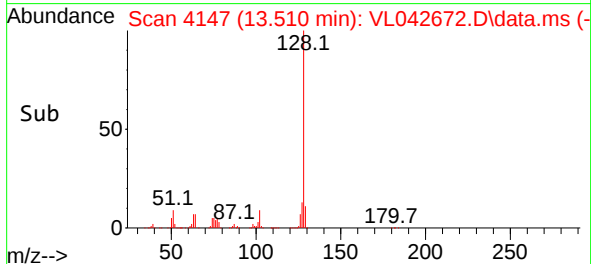
Instrument :
MSVOA_L
ClientSampleId :
VL0627ABS01



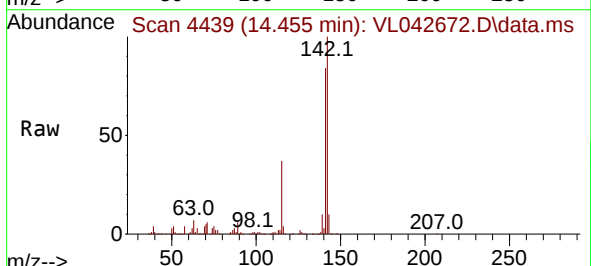
Tgt Ion:128 Resp: 412498
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 11.2 8.8 13.2

Manual Integrations
APPROVED

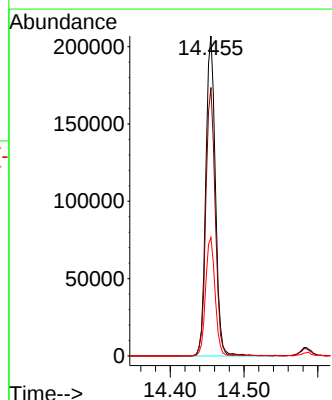
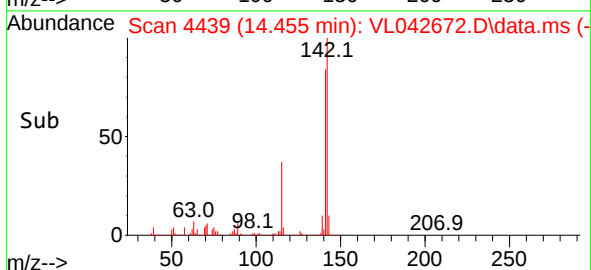
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025

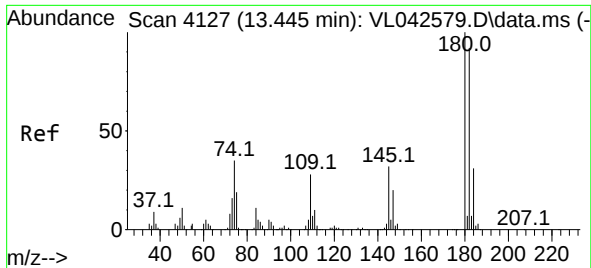


#80
Naphthalene,2-methyl-
Concen: 11.744 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.006 min
Lab File: VL042672.D
Acq: 27 Jun 2025 10:01



Tgt Ion:142 Resp: 185846
Ion Ratio Lower Upper
142 100
141 83.4 66.2 99.4
115 37.2 28.3 42.5





#81

1,2,4-Trichlorobenzene

Concen: 10.756 ppbv

RT: 13.436 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL042672.D

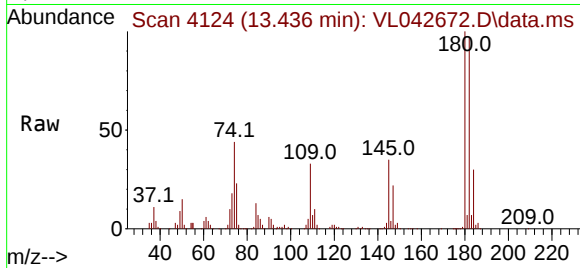
Acq: 27 Jun 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VL0627ABS01



Tgt Ion:180 Resp: 21030

Ion Ratio Lower Upper

180 100

182 96.9 75.0 112.4

184 30.0 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025

Supervised By :Mahesh Dadoda 06/30/2025

