

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012725\
 Data File : VL041947.D
 Acq On : 27 Jan 2025 12:19
 Operator : SY/MD
 Sample : VL0127ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABS01

Quant Time: Jan 28 02:34:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/30/2025
 Supervised By : Mahesh Dadoda 01/30/2025

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

Internal Standards						
1) Bromochloromethane	2.797	49	143025	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	399567	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	348759	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.390	95	276515	10.066	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.700%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.502	85	206901	10.620	ppbv	99
3) Chlorodifluoromethane	1.480	51	214338	10.502	ppbv	99
4) Chloromethane	1.538	50	76820	10.485	ppbv	96
5) Vinyl Chloride	1.583	62	76382	10.292	ppbv	97
6) Bromomethane	1.671	94	35162	9.941	ppbv	96
7) Chloroethane	1.709	64	30210	10.463	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	172692	10.143	ppbv	100
9) Propene	1.486	41	86511	10.290	ppbv	97
10) Heptane	4.998	43	253457	11.279	ppbv	98
11) Trichlorofluoromethane	1.884	101	197641	9.753	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.146	101	156498	9.853	ppbv	98
13) Ethanol	1.729	45	4346	7.057	ppbv	90
14) Bromoethene	1.787	108	57049	9.810	ppbv	99
15) Acetone	1.842	43	158965	9.254	ppbv	99
16) 1,3-Butadiene	1.612	39	83092	10.777	ppbv	97
17) tert-Butyl alcohol	2.049	59	194278	9.189	ppbv	98
18) 1,1-Dichloroethene	2.040	96	69693	9.736	ppbv	96
19) Isopropyl Alcohol	1.894	45	92836	9.115	ppbv	94
20) Methylene Chloride	2.069	84	60388	8.895	ppbv	95
21) Allyl Chloride	2.104	41	116571	9.800	ppbv	99
22) trans-1,2-Dichloroethene	2.347	96	81007	10.027	ppbv	97
23) Vinyl Acetate	2.470	43	79222	9.304	ppbv #	96
24) 1,1-Dichloroethane	2.418	63	162663	10.409	ppbv	99
25) Ethyl Acetate	2.849	43	513887	11.094	ppbv	99
26) Hexane	2.836	57	200961	10.969	ppbv	95
27) Carbon Disulfide	2.156	76	192704	10.629	ppbv	99
28) Methyl tert-Butyl Ether	2.451	73	124946	8.923	ppbv	99
29) Chloroform	2.858	83	315137	10.881	ppbv	97
30) Cyclohexane	3.872	84	171665	10.802	ppbv	100
31) cis-1,2-Dichloroethene	2.732	61	198570	10.293	ppbv	92
32) 1,1,1-Trichloroethane	3.380	97	299609	10.811	ppbv	99
34) 2-Butanone	2.567	43	290154	11.419	ppbv	99
35) Carbon Tetrachloride	3.778	117	308983	12.311	ppbv	98
36) Benzene	3.671	78	414621	11.314	ppbv	99
37) 1,2-Dichloroethane	3.231	62	230482	11.198	ppbv	99
38) Trichloroethene	4.567	130	164755	11.329	ppbv	95
39) 1,2-Dichloropropane	4.334	63	143940	11.197	ppbv	97
40) 1,4-Dioxane	4.606	88	69223	10.663	ppbv #	97
41) Tetrahydrofuran	3.069	42	160711	11.637	ppbv	99
42) Bromodichloromethane	4.509	83	328091	11.889	ppbv	95
43) Methyl Methacrylate	4.901	69	156642	11.506	ppbv	99
44) 2,2,4-Trimethylpentane	4.661	57	691648	11.668	ppbv	99
45) t-1,3-Dichloropropene	6.435	75	146256	11.477	ppbv	98

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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025

Quant Time: Jan 28 02:34:21 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M

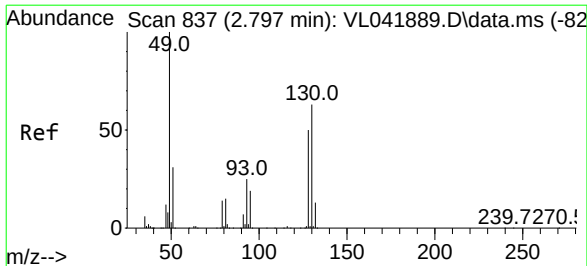
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.626	75	197114	11.781	ppbv	100
47) 1,1,2-Trichloroethane	6.607	97	162420	11.921	ppbv	96
48) Dibromochloromethane	7.406	129	248197	11.806	ppbv	99
49) Bromoform	9.497	173	205170	11.881	ppbv	99
50) 4-Methyl-2-Pentanone	5.778	43	396687	11.436	ppbv	100
51) 2-Hexanone	7.461	43	320223	12.014	ppbv #	97
52) Tetrachloroethene	8.238	164	137187	10.796	ppbv	95
53) Toluene	6.953	91	467674	11.715	ppbv	100
54) 1,2-Dibromoethane	7.671	107	215083	11.483	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.940	131	206531	11.870	ppbv	100
57) Chlorobenzene	8.937	112	373904	11.623	ppbv	97
58) Ethyl Benzene	9.371	91	647487	11.880	ppbv	96
59) m/p-Xylene	9.545	91	1065769m	24.395	ppbv	
60) o-Xylene	9.979	91	529149	12.203	ppbv	99
61) Styrene	9.885	104	243068	12.495	ppbv	99
62) Isopropylbenzene	10.552	105	793281	11.822	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.976	83	323789	11.685	ppbv	99
64) n-propylbenzene	11.002	120	206392	12.173	ppbv	99
65) tert-Butylbenzene	11.542	119	702412	11.487	ppbv	99
66) Benzyl Chloride	11.627	91	39829	10.523	ppbv	99
67) sec-Butylbenzene	11.779	105	980787	11.648	ppbv	100
69) p-Isopropyltoluene	11.937	119	813693	11.735	ppbv	100
70) n-Butylbenzene	12.293	91	802930	11.677	ppbv	99
71) 2-Chlorotoluene	10.914	91	587822	11.843	ppbv	100
72) 4-Ethyltoluene	11.138	105	644084	12.417	ppbv	99
73) 1,3,5-Trimethylbenzene	11.215	105	543491	11.865	ppbv	96
74) 1,2,4-Trimethylbenzene	11.549	105	591073	11.915	ppbv	95
75) 1,3-Dichlorobenzene	11.620	146	342442	11.649	ppbv	99
76) 1,4-Dichlorobenzene	11.682	146	338784	11.780	ppbv	99
77) 1,2-Dichlorobenzene	11.960	146	327583	11.244	ppbv	100
78) Hexachloro-1,3-Butadiene	13.895	225	217546	9.098	ppbv	99
79) Naphthalene	13.526	128	498588	9.982	ppbv	99
80) Naphthalene,2-methyl-	14.472	142	203477	8.593	ppbv	97
81) 1,2,4-Trichlorobenzene	13.452	180	220567	9.047	ppbv	99

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



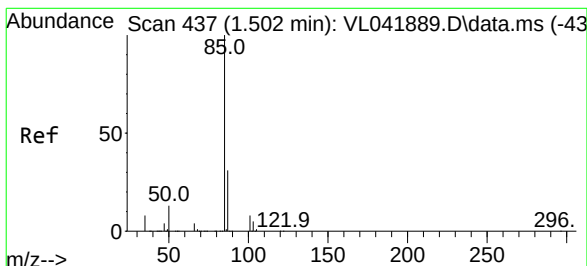
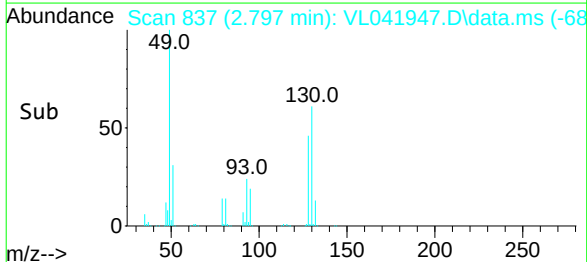
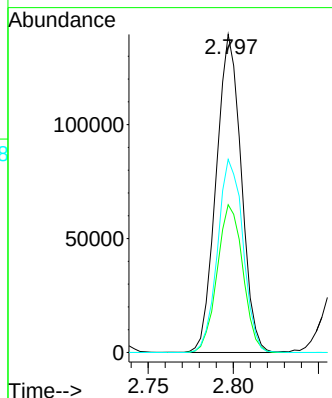
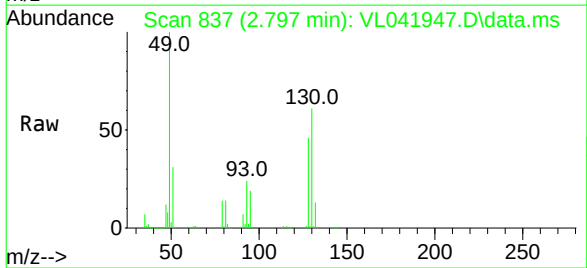
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 837
Delta R.T. -0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tgt Ion: 49 Resp: 143025
Ion Ratio Lower Upper
49 100
128 47.5 24.3 73.0
130 61.5 31.1 93.2

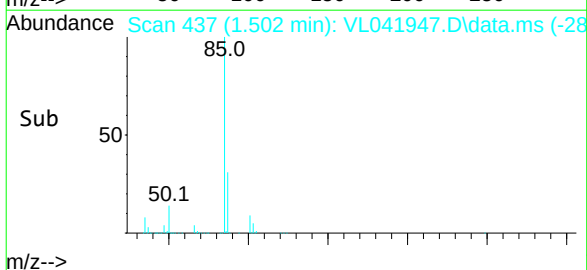
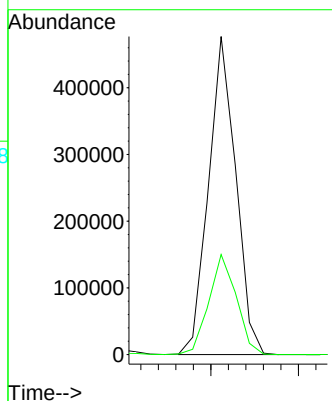
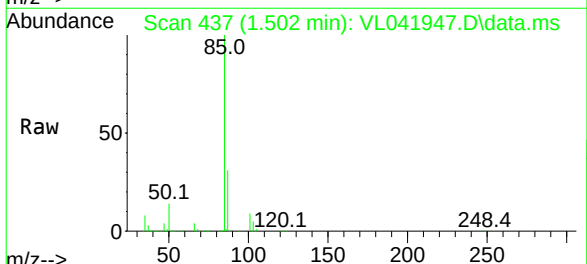
Manual Integrations
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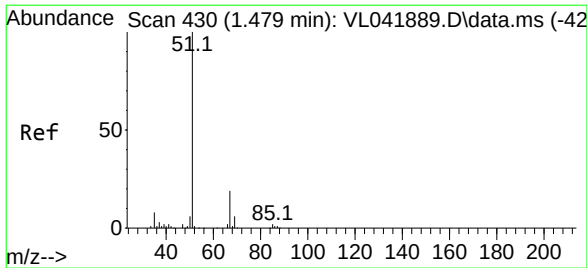
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#2
Dichlorodifluoromethane
Concen: 10.620 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Tgt Ion: 85 Resp: 206901
Ion Ratio Lower Upper
85 100
87 31.4 24.9 37.3





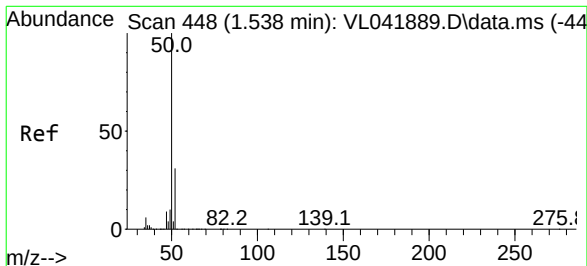
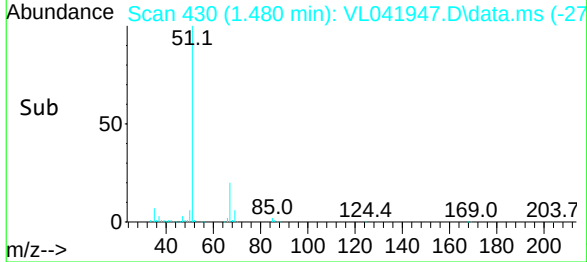
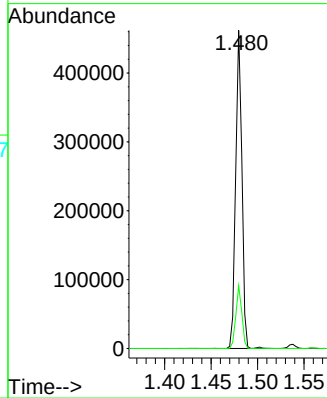
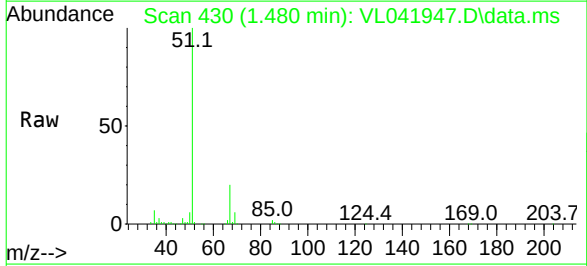
#3
Chlorodifluoromethane
Concen: 10.502 ppbv
RT: 1.480 min Scan# 430
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tgt Ion: 51 Resp: 214338
Ion Ratio Lower Upper
51 100
67 19.1 15.0 22.4

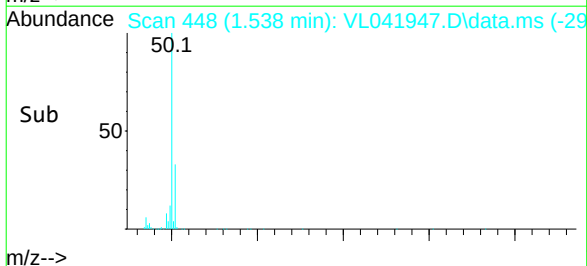
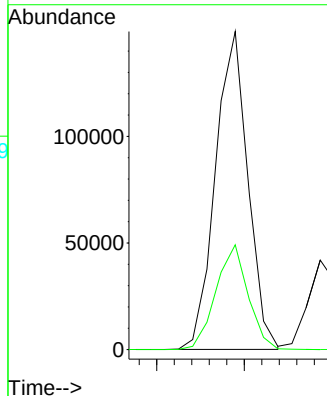
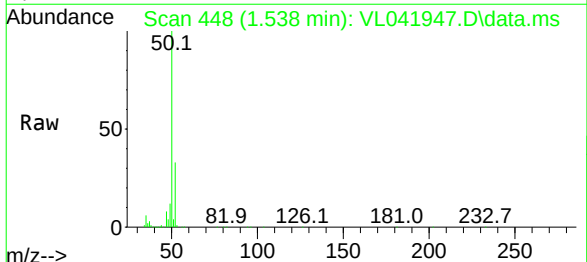
Manual Integrations
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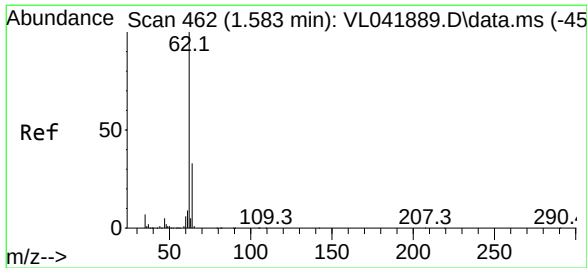
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#4
Chloromethane
Concen: 10.485 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

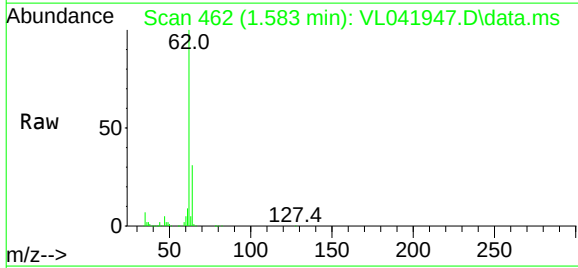
Tgt Ion: 50 Resp: 76820
Ion Ratio Lower Upper
50 100
52 32.9 24.6 36.8





#5
 Vinyl Chloride
 Concen: 10.292 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL041947.D
 Acq: 27 Jan 2025 12:19

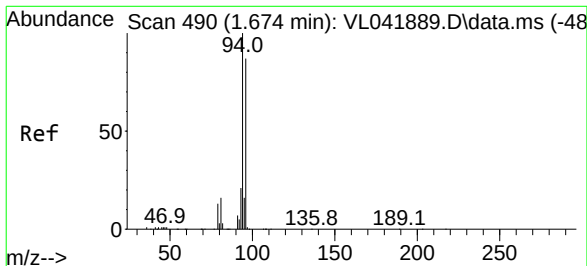
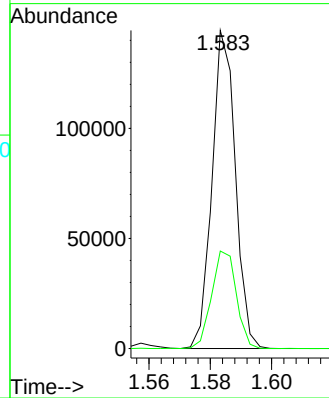
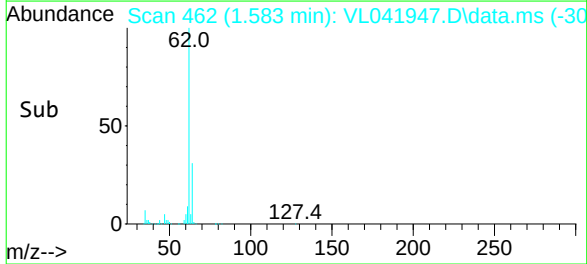
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABS01



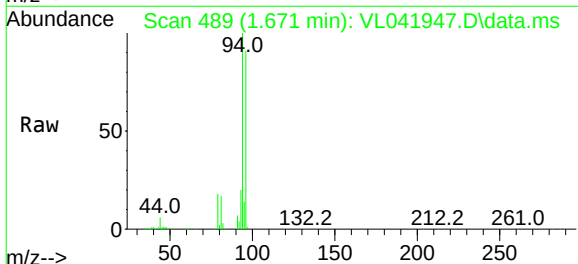
Tgt Ion: 62 Resp: 76382
 Ion Ratio Lower Upper
 62 100
 64 30.6 26.1 39.1

Manual Integrations
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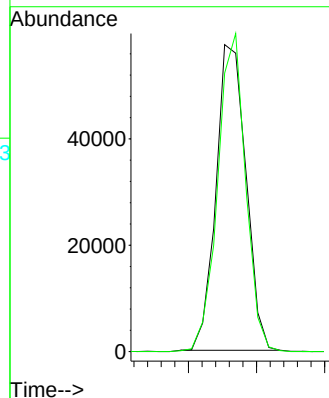
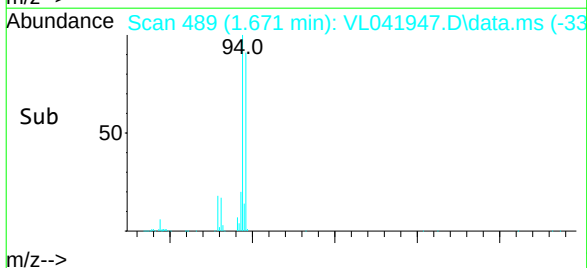
Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025

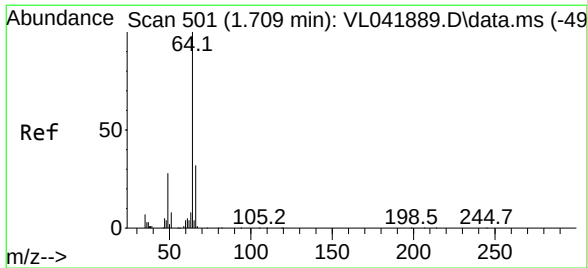


#6
 Bromomethane
 Concen: 9.941 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. -0.003 min
 Lab File: VL041947.D
 Acq: 27 Jan 2025 12:19



Tgt Ion: 94 Resp: 35162
 Ion Ratio Lower Upper
 94 100
 96 90.8 69.5 104.3





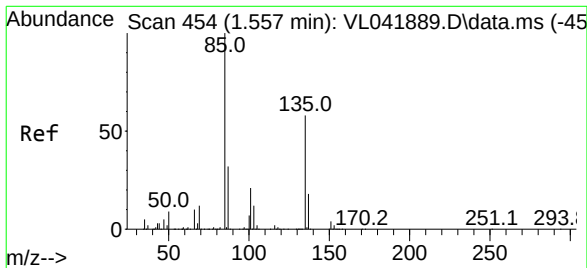
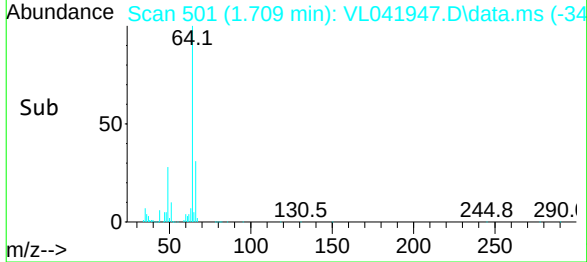
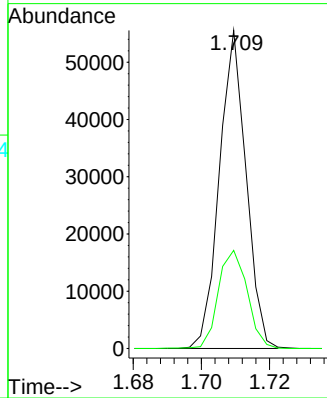
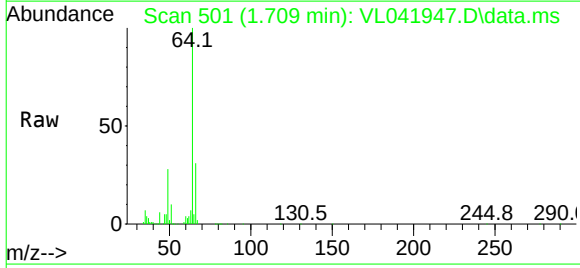
#7
Chloroethane
Concen: 10.463 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tgt Ion: 64 Resp: 30210
Ion Ratio Lower Upper
64 100
66 30.9 25.7 38.5

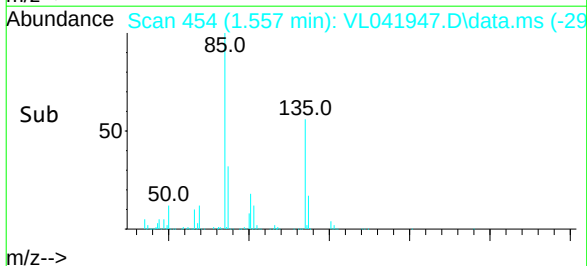
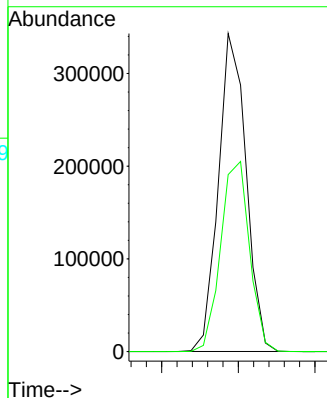
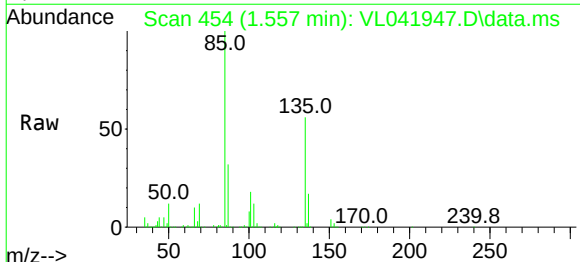
Manual Integrations
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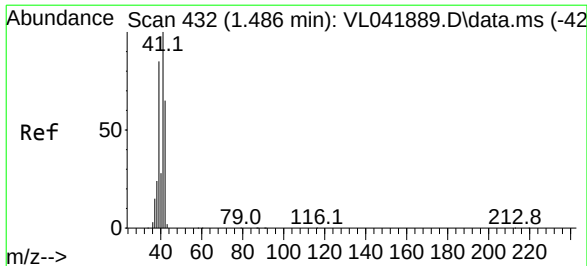
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#8
Dichlorotetrafluoroethane
Concen: 10.143 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

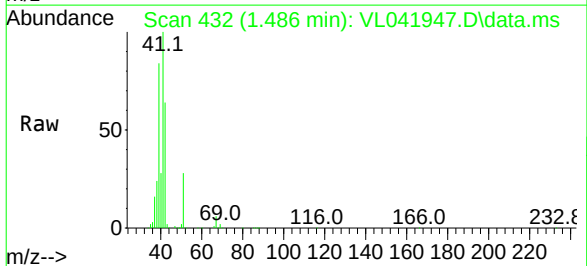
Tgt Ion: 85 Resp: 172692
Ion Ratio Lower Upper
85 100
135 62.4 50.0 75.0





#9
Propene
Concen: 10.290 ppbv
RT: 1.486 min Scan# 43
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

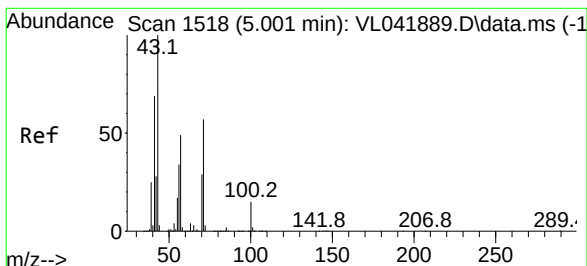
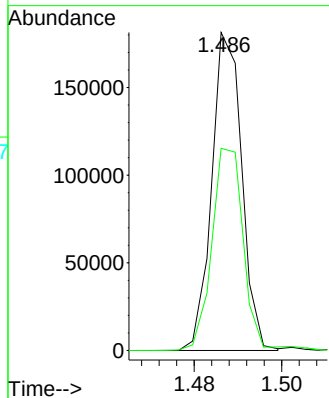
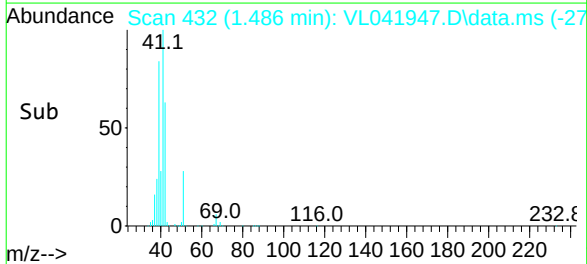
Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01



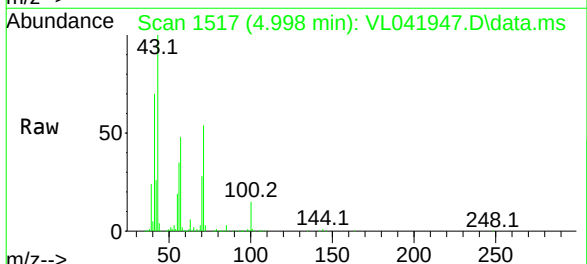
Tgt Ion: 41 Resp: 86511
Ion Ratio Lower Upper
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42 67.4 52.0 78.0

Manual Integrations
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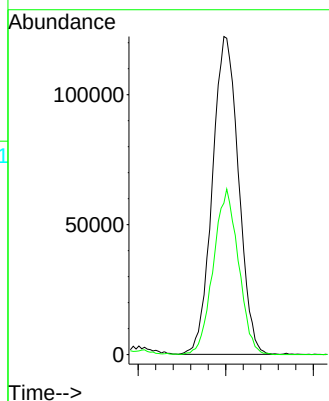
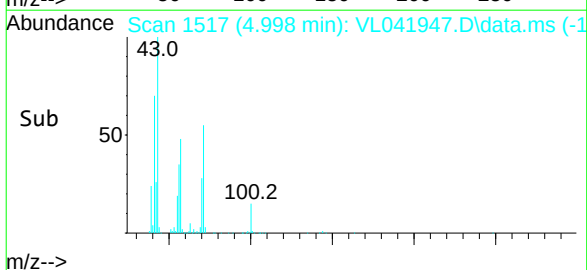
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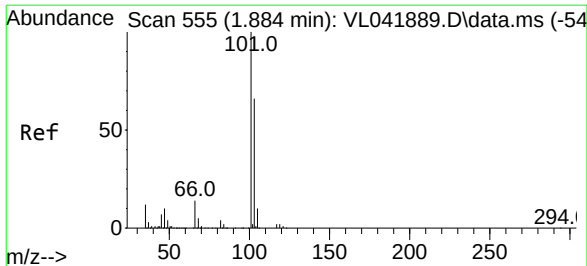


#10
Heptane
Concen: 11.279 ppbv
RT: 4.998 min Scan# 1517
Delta R.T. -0.003 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19



Tgt Ion: 43 Resp: 253457
Ion Ratio Lower Upper
43 100
57 50.1 41.0 61.4





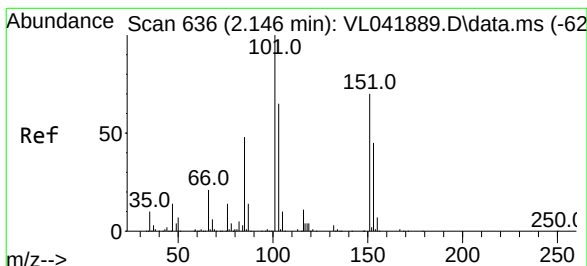
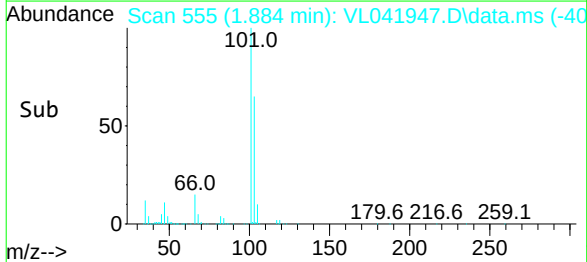
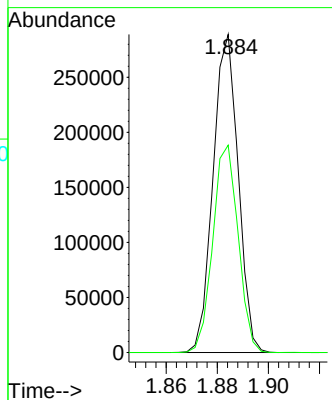
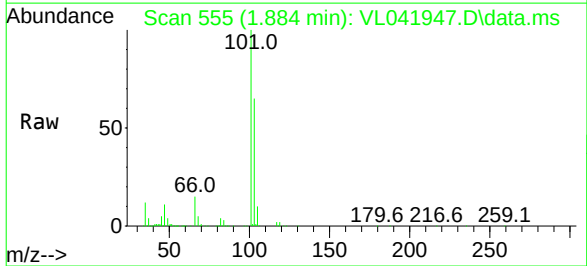
#11
Trichlorofluoromethane
Concen: 9.753 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tgt Ion:101 Resp: 197641
Ion Ratio Lower Upper
101 100
103 65.2 53.1 79.7

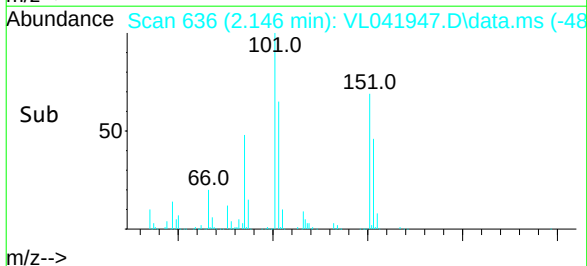
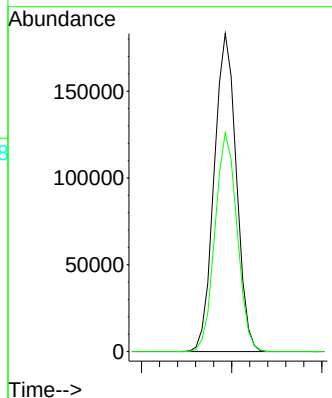
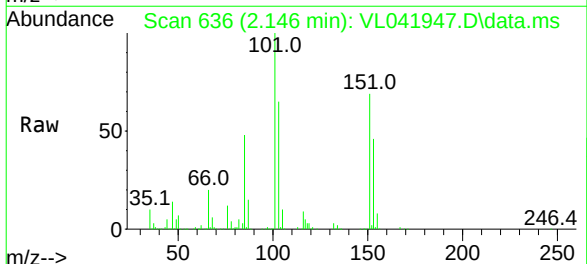
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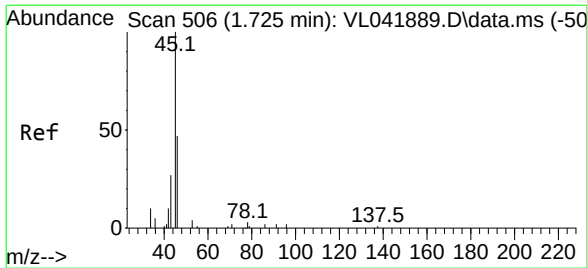
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.853 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

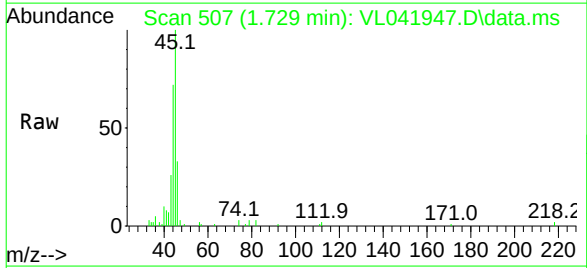
Tgt Ion:101 Resp: 156498
Ion Ratio Lower Upper
101 100
151 68.5 56.1 84.1





#13
Ethanol
Concen: 7.057 ppbv
RT: 1.729 min Scan# 506
Delta R.T. 0.004 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

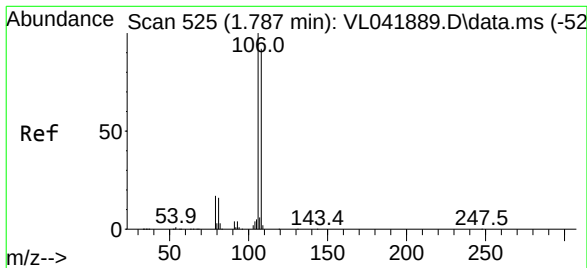
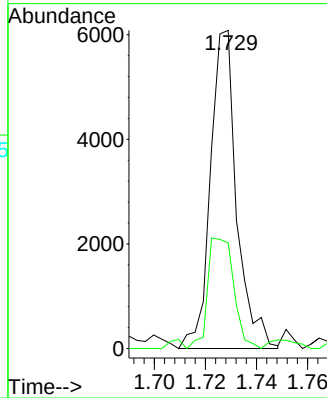
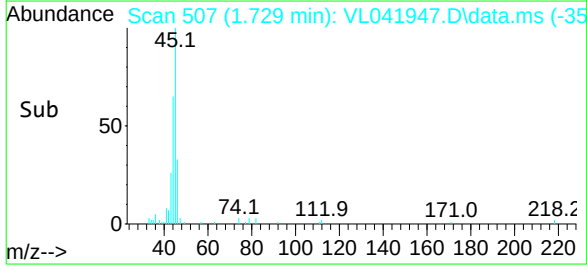
Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01



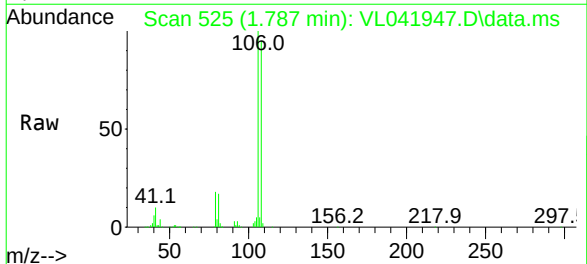
Tgt Ion: 45 Resp: 4346
Ion Ratio Lower Upper
45 100
46 39.0 18.1 72.5

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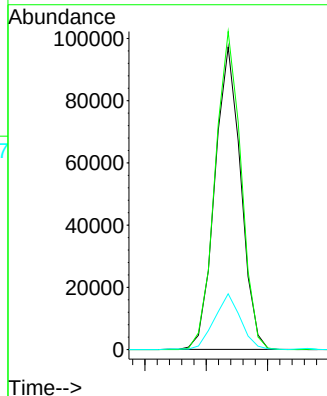
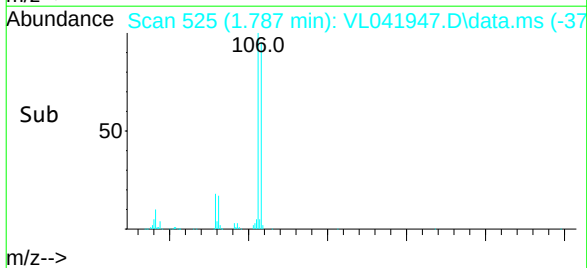
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025

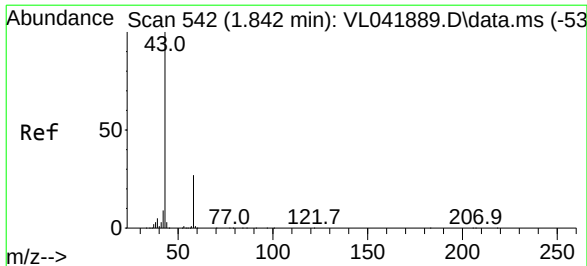


#14
Bromoethene
Concen: 9.810 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19



Tgt Ion:108 Resp: 57049
Ion Ratio Lower Upper
108 100
106 105.3 85.5 128.3
79 19.1 15.3 22.9





#15

Acetone

Concen: 9.254 ppbv

RT: 1.842 min Scan# 54

Delta R.T. 0.000 min

Lab File: VL041947.D

Acq: 27 Jan 2025 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tgt Ion: 43 Resp: 158965

Ion Ratio Lower Upper

43 100

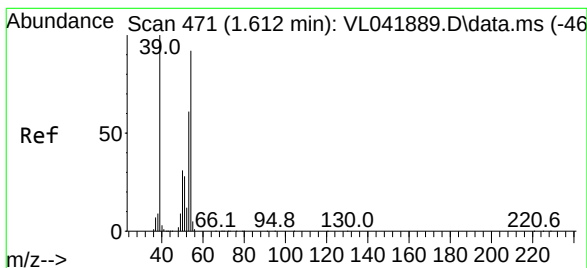
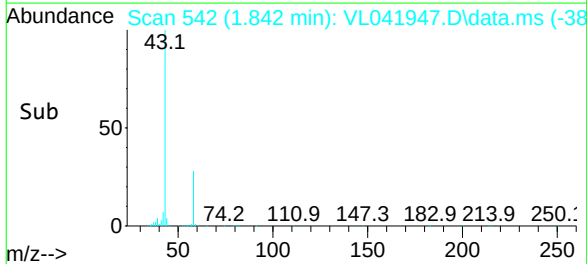
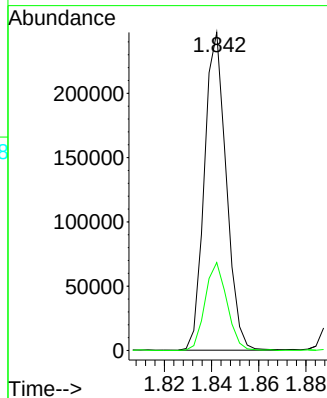
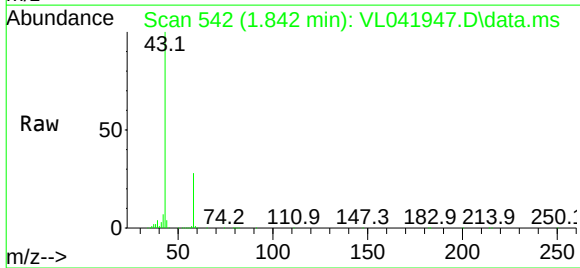
58 28.0 21.9 32.9

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Reviewed By :Semsettin Yesilyurt 01/30/2025

Supervised By :Mahesh Dadoda 01/30/2025



#16

1,3-Butadiene

Concen: 10.777 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.000 min

Lab File: VL041947.D

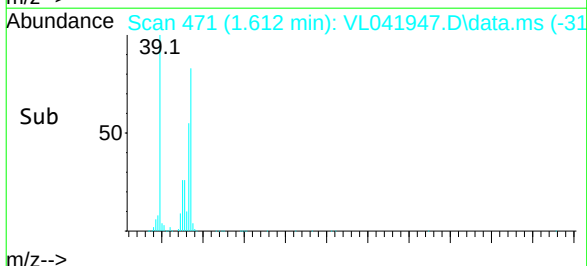
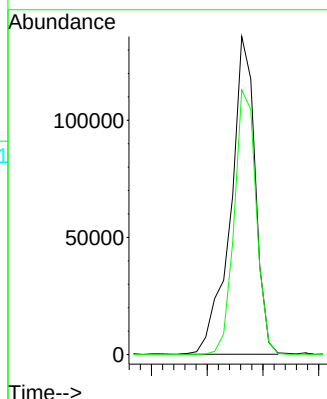
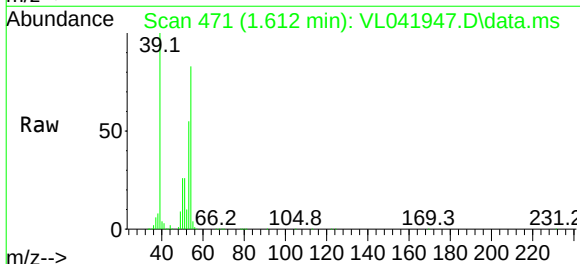
Acq: 27 Jan 2025 12:19

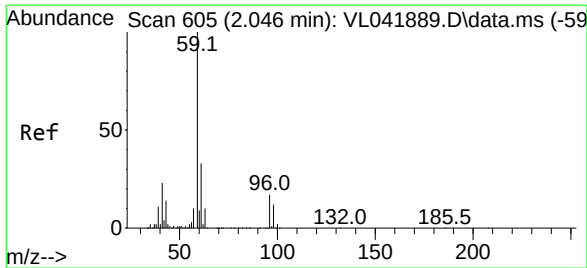
Tgt Ion: 39 Resp: 83092

Ion Ratio Lower Upper

39 100

54 74.7 61.6 92.4





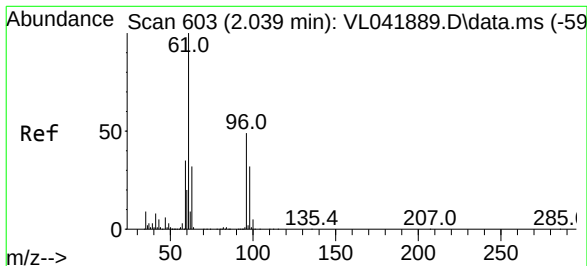
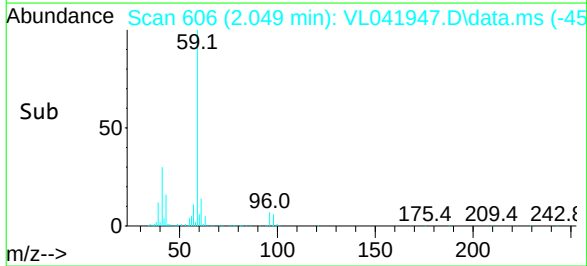
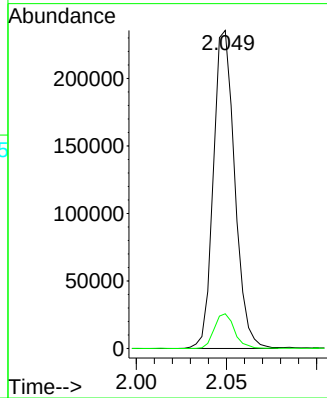
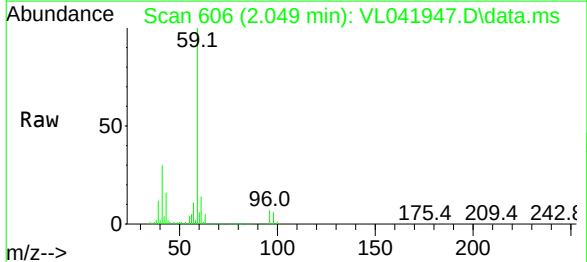
#17
tert-Butyl alcohol
Concen: 9.189 ppbv
RT: 2.049 min Scan# 605
Delta R.T. 0.004 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tgt Ion: 59 Resp: 194278
Ion Ratio Lower Upper
59 100
57 10.6 7.8 11.8

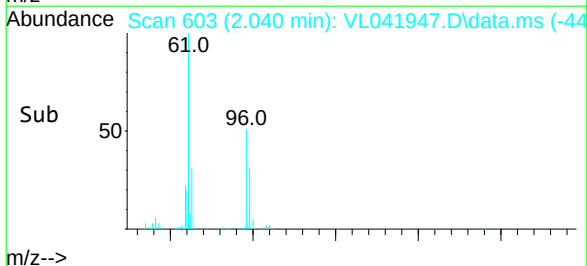
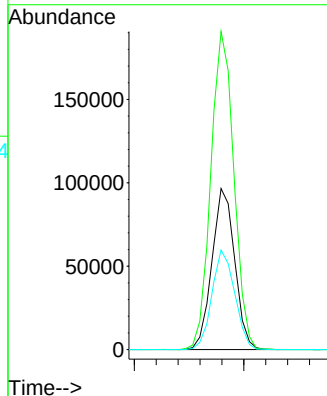
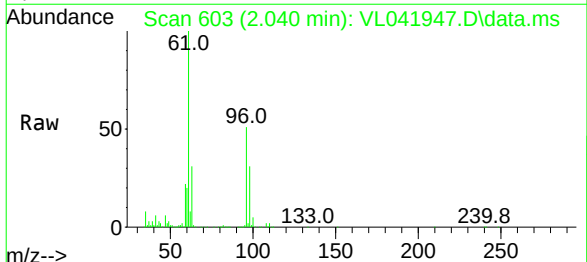
Manual Integrations
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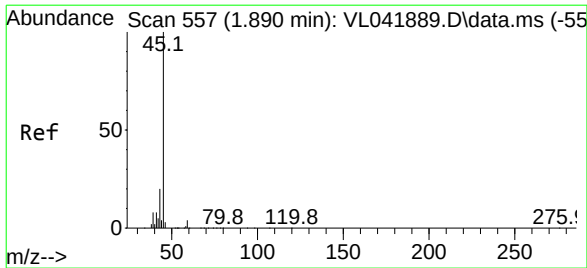
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#18
1,1-Dichloroethene
Concen: 9.736 ppbv
RT: 2.040 min Scan# 603
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Tgt Ion: 96 Resp: 69693
Ion Ratio Lower Upper
96 100
61 197.5 163.1 244.7
98 61.9 52.7 79.1





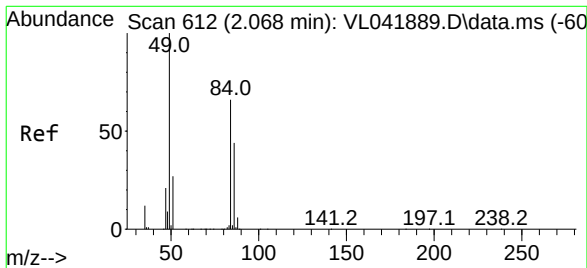
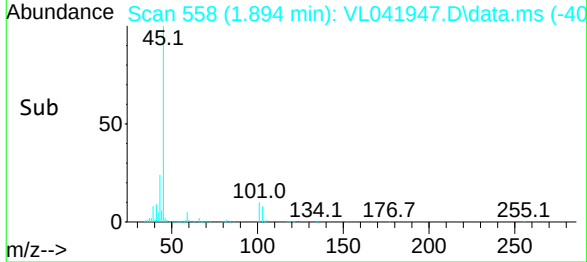
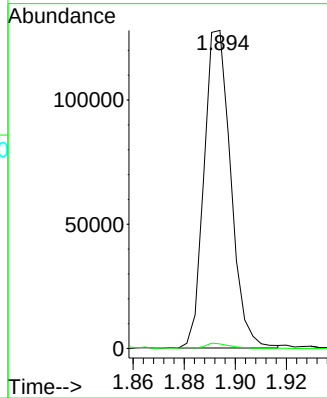
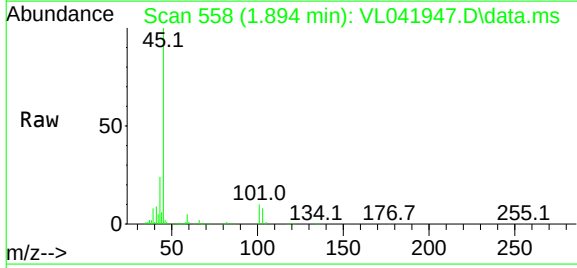
#19
Isopropyl Alcohol
Concen: 9.115 ppbv
RT: 1.894 min Scan# 557
Delta R.T. 0.004 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tgt Ion: 45 Resp: 92836
Ion Ratio Lower Upper
45 100
58 47.9 35.0 52.6

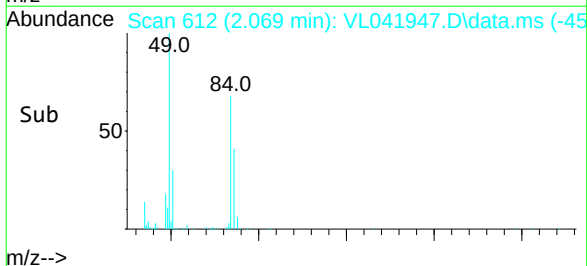
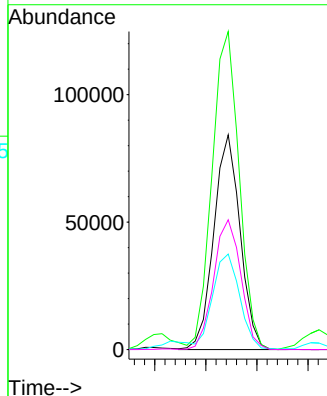
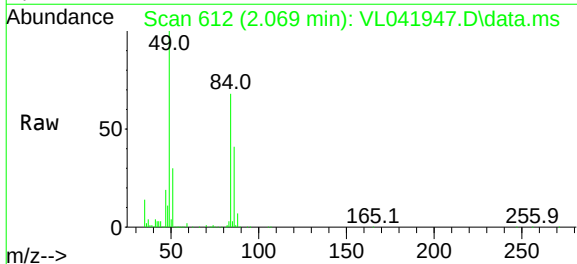
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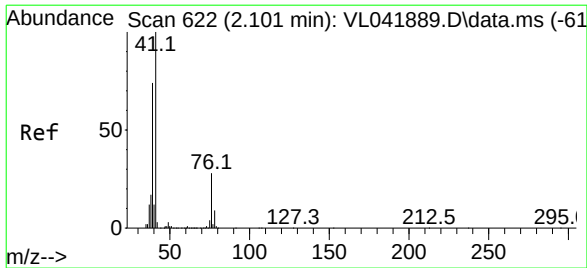
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#20
Methylene Chloride
Concen: 8.895 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Tgt Ion: 84 Resp: 60388
Ion Ratio Lower Upper
84 100
49 148.0 123.1 184.7
51 44.2 35.8 53.8
86 60.5 53.7 80.5





#21

Allyl Chloride

Concen: 9.800 ppbv

RT: 2.104 min Scan# 62

Delta R.T. 0.004 min

Lab File: VL041947.D

Acq: 27 Jan 2025 12:19

Instrument :

MSVOA_L

ClientSampleId :

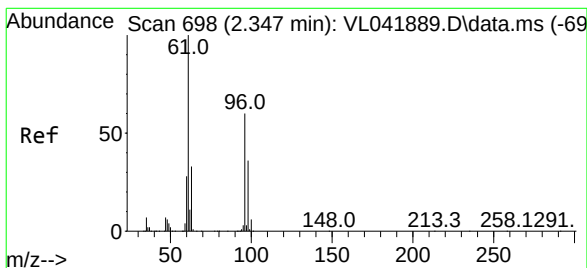
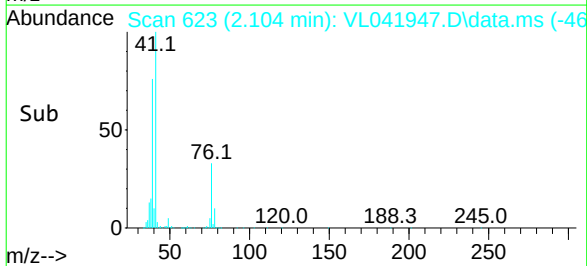
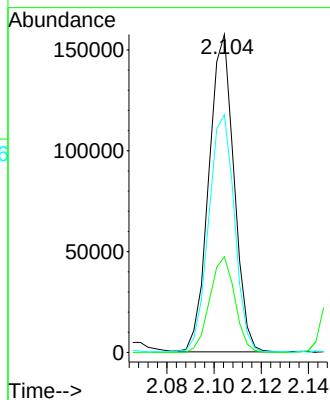
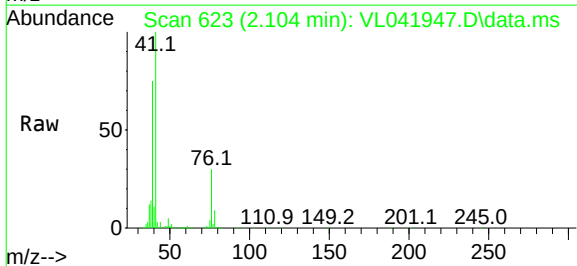
VL0127ABS01

Tgt Ion:	41	Resp:	116571
Ion	Ratio	Lower	Upper
41	100		
76	30.2	24.2	36.4
39	77.1	60.6	91.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#22

trans-1,2-Dichloroethene

Concen: 10.027 ppbv

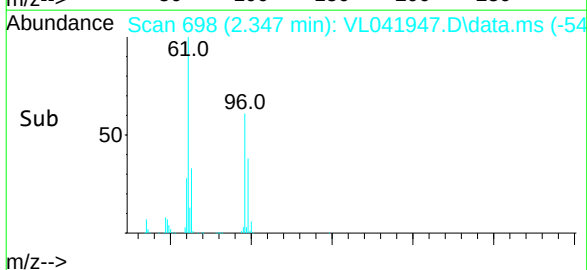
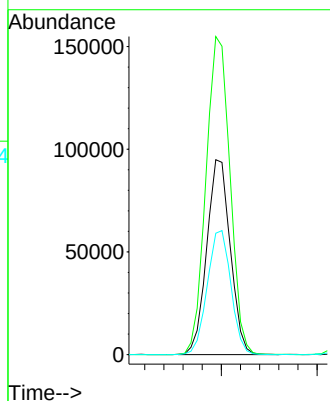
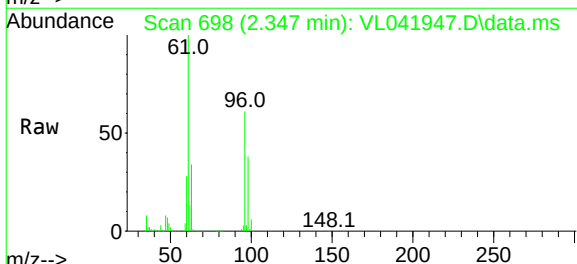
RT: 2.347 min Scan# 698

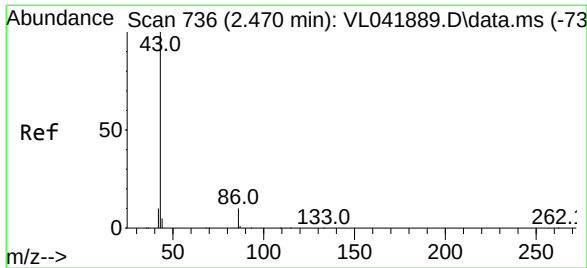
Delta R.T. 0.000 min

Lab File: VL041947.D

Acq: 27 Jan 2025 12:19

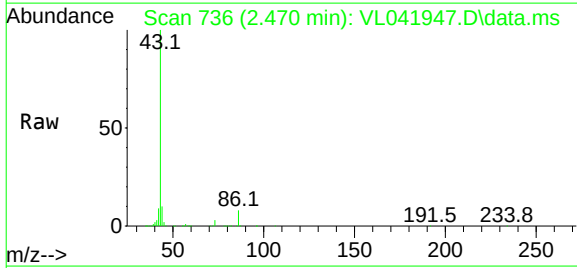
Tgt Ion:	96	Resp:	81007
Ion	Ratio	Lower	Upper
96	100		
61	163.1	134.5	201.7
98	62.3	48.9	73.3





#23
 Vinyl Acetate
 Concen: 9.304 ppbv
 RT: 2.470 min Scan# 736
 Delta R.T. 0.000 min
 Lab File: VL041947.D
 Acq: 27 Jan 2025 12:19

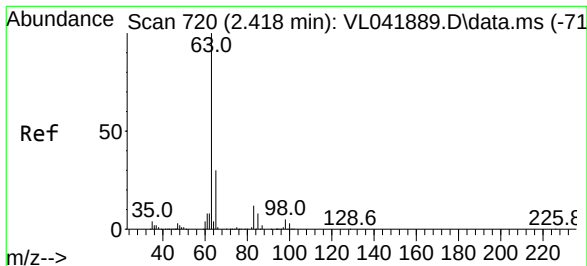
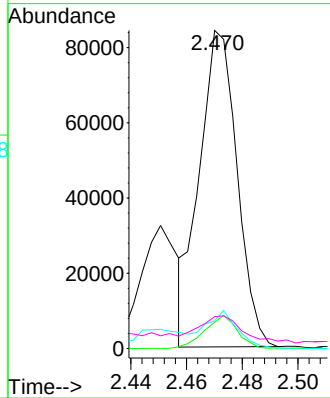
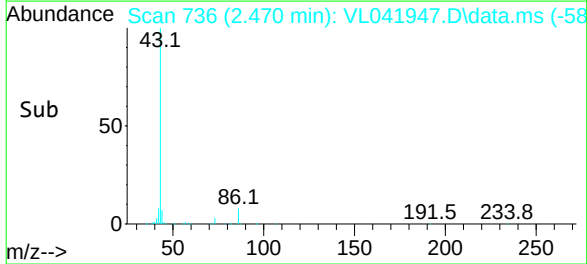
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABS01



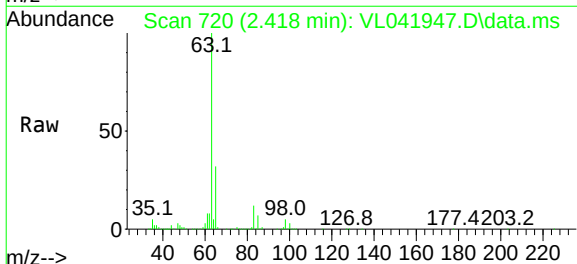
Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.2	9.4
42	8.6	8.5	12.7
44	7.7	4.8	7.2#

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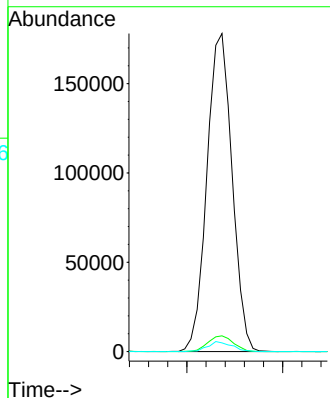
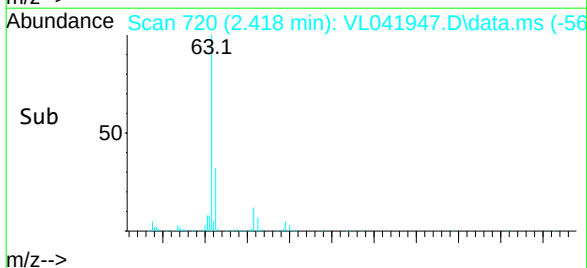
Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025

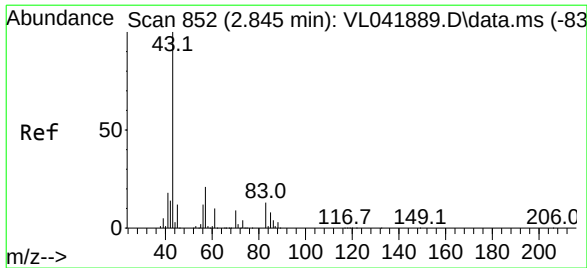


#24
 1,1-Dichloroethane
 Concen: 10.409 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.000 min
 Lab File: VL041947.D
 Acq: 27 Jan 2025 12:19



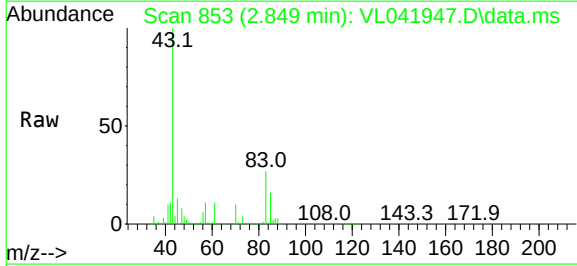
Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.6	7.8
100	2.7	1.4	4.2





#25
Ethyl Acetate
Concen: 11.094 ppbv
RT: 2.849 min Scan# 852
Delta R.T. 0.004 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

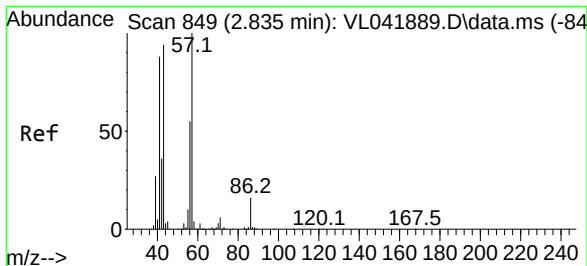
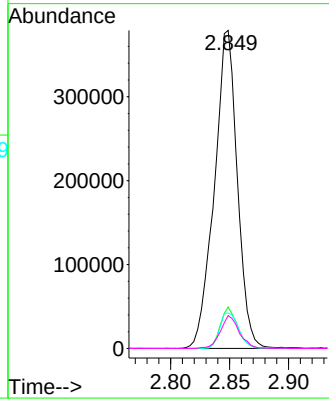
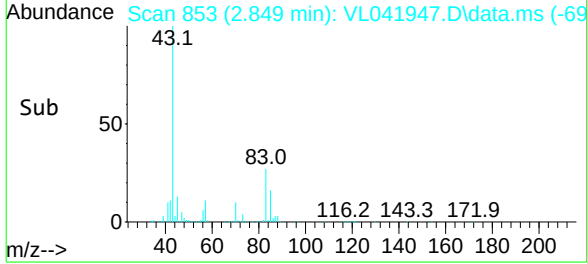
Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01



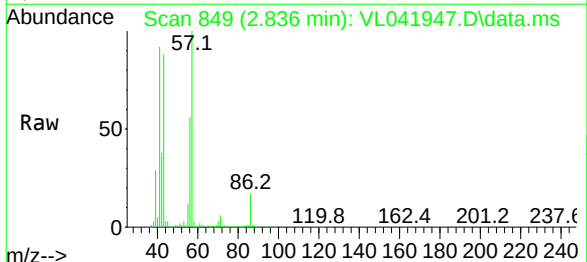
Tgt Ion: 43	Resp: 513887
Ion Ratio	Lower Upper
43 100	
45 9.9	8.2 12.2
61 9.4	7.4 11.0
70 8.5	7.0 10.4

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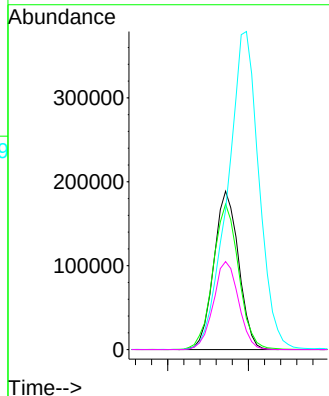
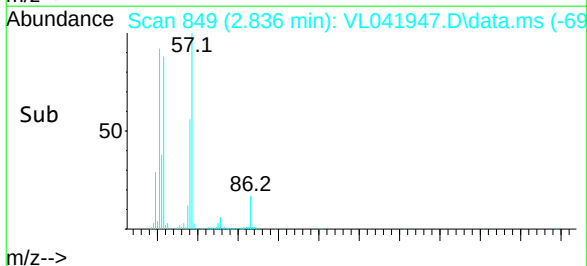
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025

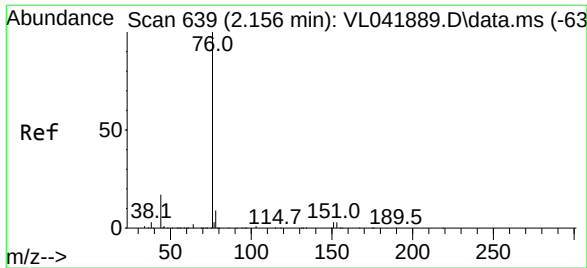


#26
Hexane
Concen: 10.969 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19



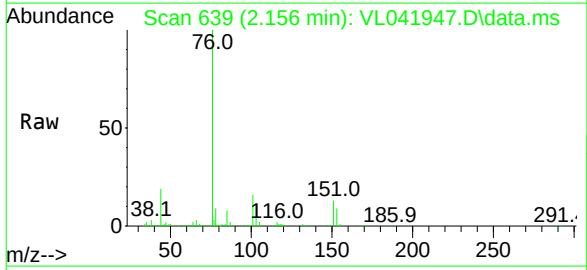
Tgt Ion: 57	Resp: 200961
Ion Ratio	Lower Upper
57 100	
41 95.9	73.8 110.8
43 256.6	197.3 295.9
56 56.4	42.7 64.1





#27
Carbon Disulfide
Concen: 10.629 ppbv
RT: 2.156 min Scan# 639
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

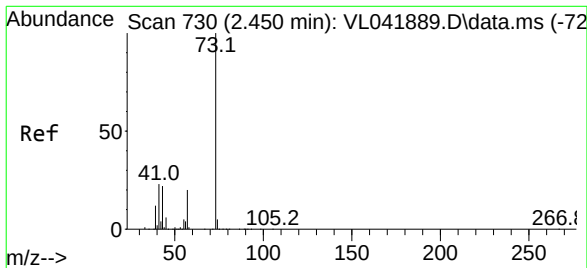
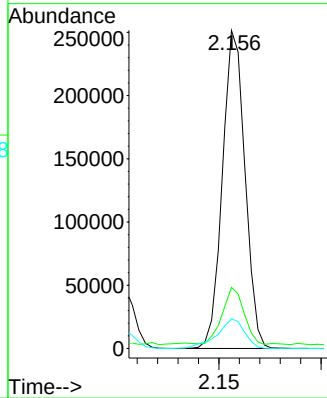
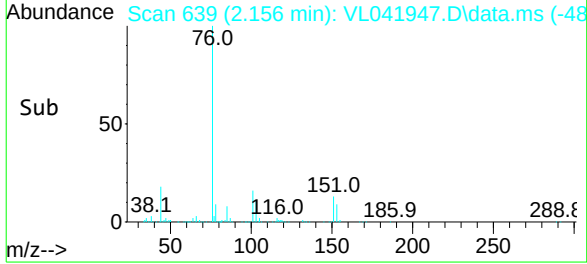
Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01



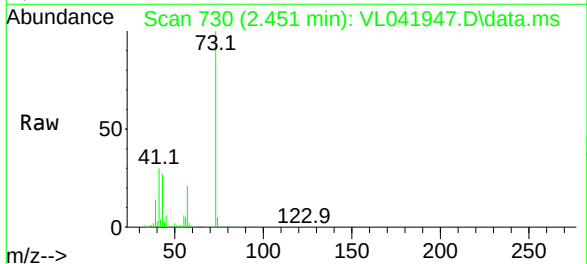
Tgt Ion: 76 Resp: 192704
Ion Ratio Lower Upper
76 100
44 18.4 15.4 23.0
78 11.3 9.3 13.9

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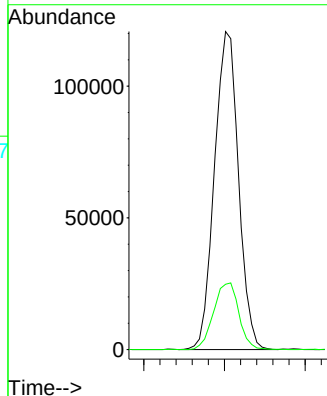
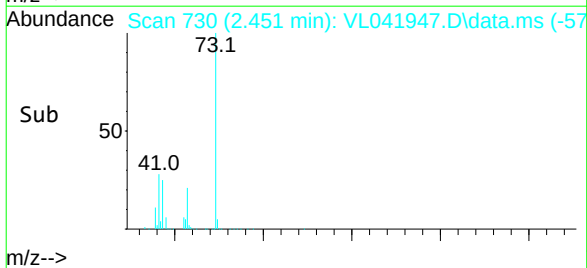
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025

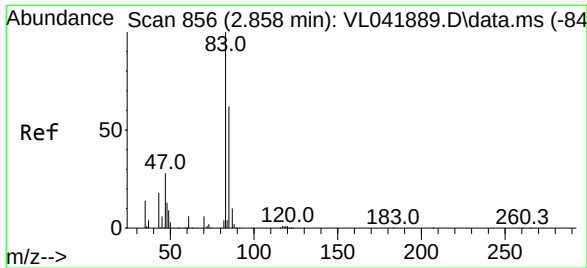


#28
Methyl tert-Butyl Ether
Concen: 8.923 ppbv
RT: 2.451 min Scan# 730
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19



Tgt Ion: 73 Resp: 124946
Ion Ratio Lower Upper
73 100
57 22.1 18.1 27.1





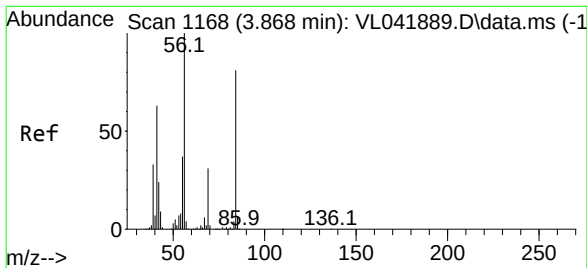
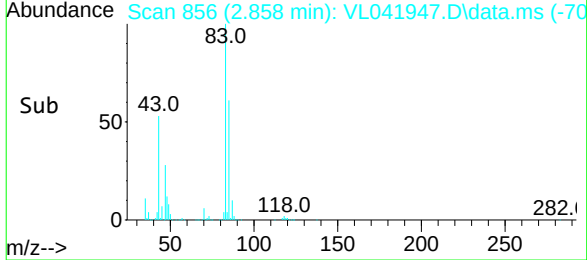
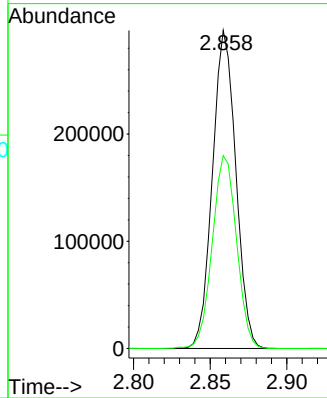
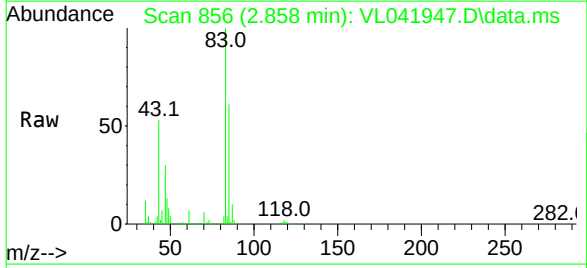
#29
Chloroform
Concen: 10.881 ppbv
RT: 2.858 min Scan# 85
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tgt Ion: 83 Resp: 315137
Ion Ratio Lower Upper
83 100
85 60.6 50.1 75.1

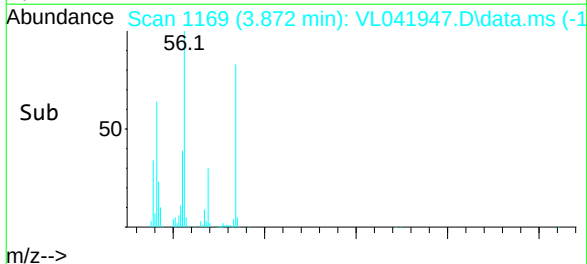
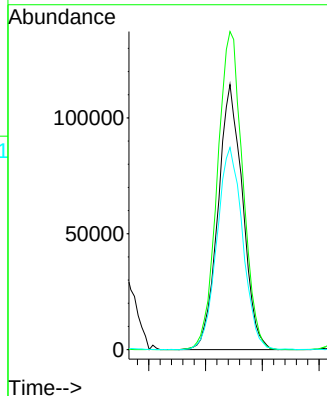
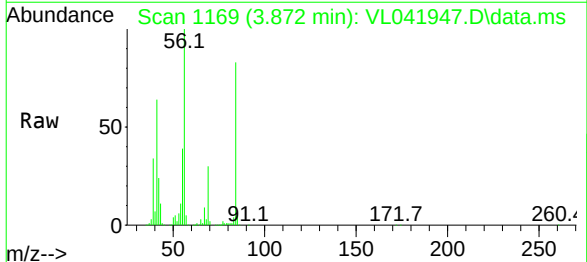
Manual Integrations
APPROVED

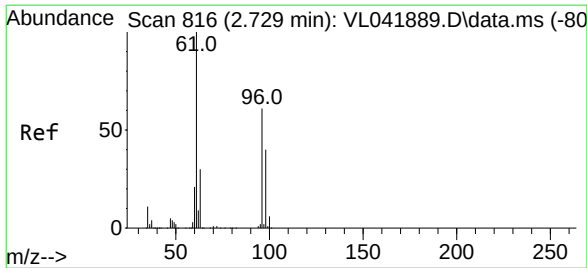
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#30
Cyclohexane
Concen: 10.802 ppbv
RT: 3.872 min Scan# 1169
Delta R.T. 0.004 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Tgt Ion: 84 Resp: 171665
Ion Ratio Lower Upper
84 100
56 123.9 99.3 148.9
41 80.4 64.3 96.5





#31

cis-1,2-Dichloroethene

Concen: 10.293 ppbv

RT: 2.732 min Scan# 816

Delta R.T. 0.004 min

Lab File: VL041947.D

Acq: 27 Jan 2025 12:19

Instrument :

MSVOA_L

ClientSampleId :

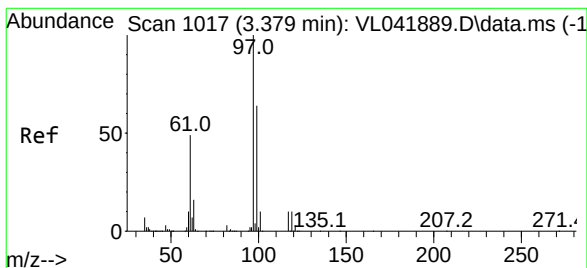
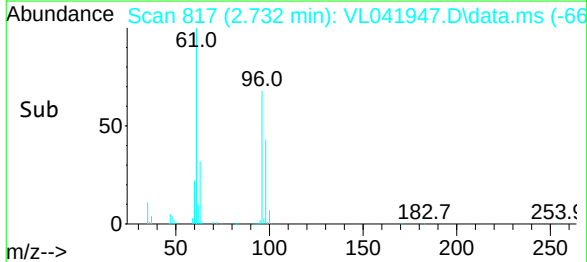
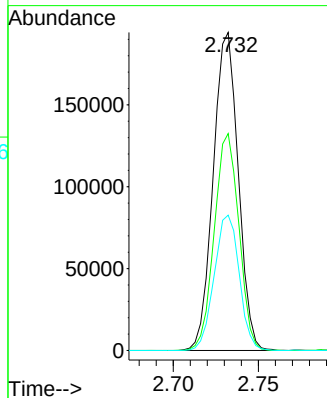
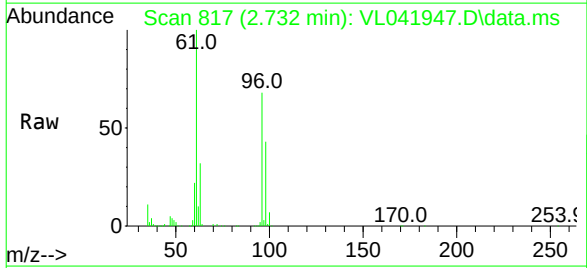
VL0127ABS01

Tgt Ion:	61	Resp:	198570
Ion Ratio	Lower	Upper	
61	100		
96	68.1	48.7	73.1
98	42.6	31.6	47.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#32

1,1,1-Trichloroethane

Concen: 10.811 ppbv

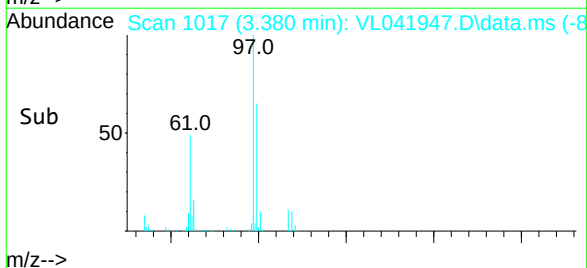
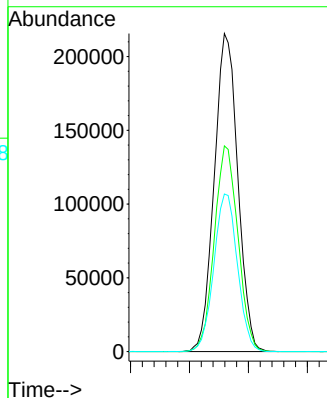
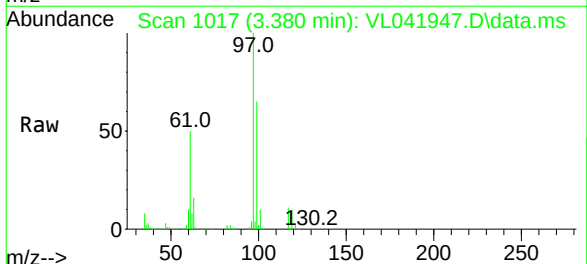
RT: 3.380 min Scan# 1017

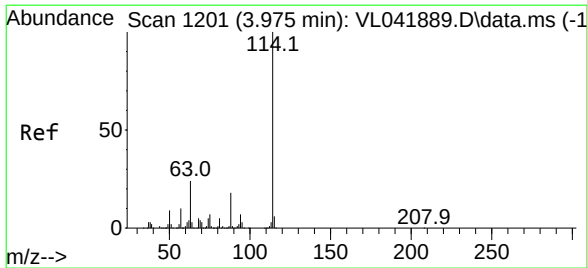
Delta R.T. 0.000 min

Lab File: VL041947.D

Acq: 27 Jan 2025 12:19

Tgt Ion:	97	Resp:	299609
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.1	76.7
61	49.7	39.0	58.6





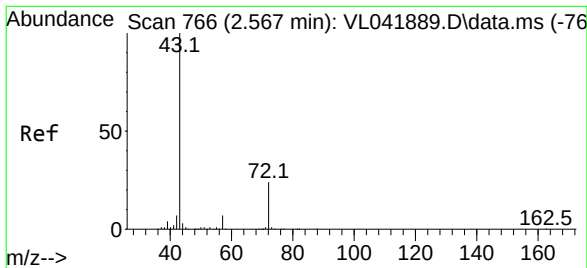
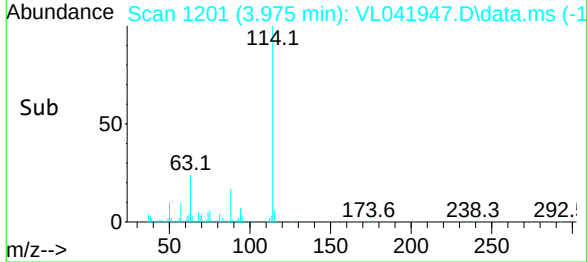
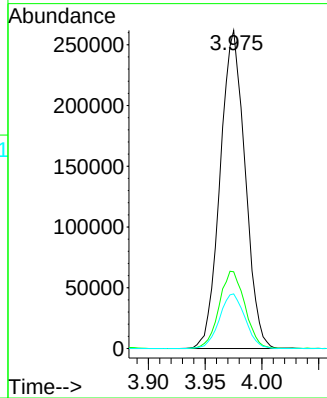
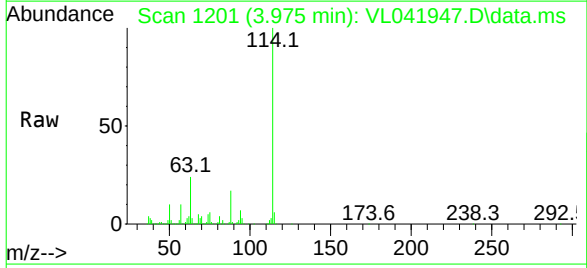
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tgt Ion: 114 Resp: 399567
Ion Ratio Lower Upper
114 100
63 25.1 19.8 29.6
88 17.6 14.4 21.6

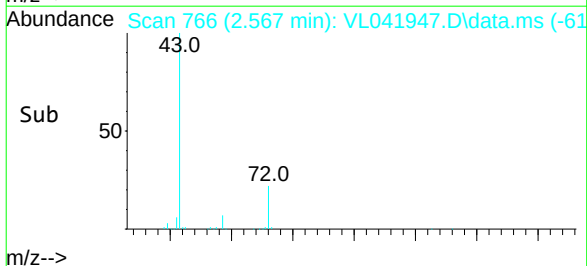
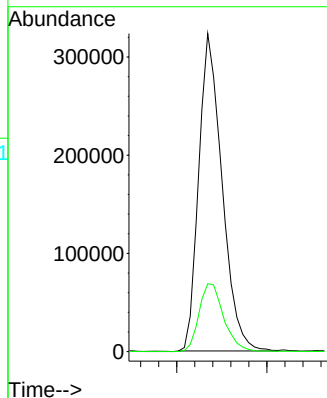
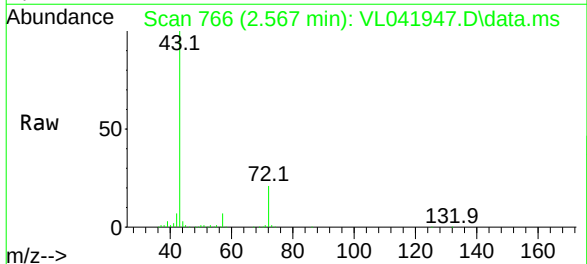
Manual Integrations
APPROVED

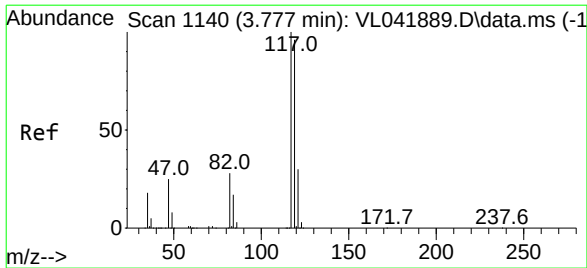
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#34
2-Butanone
Concen: 11.419 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

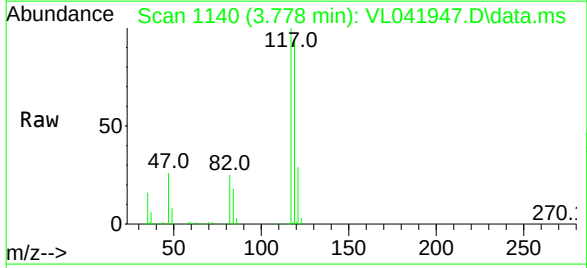
Tgt Ion: 43 Resp: 290154
Ion Ratio Lower Upper
43 100
72 22.8 18.6 28.0





#35
Carbon Tetrachloride
Concen: 12.311 ppbv
RT: 3.778 min Scan# 111
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

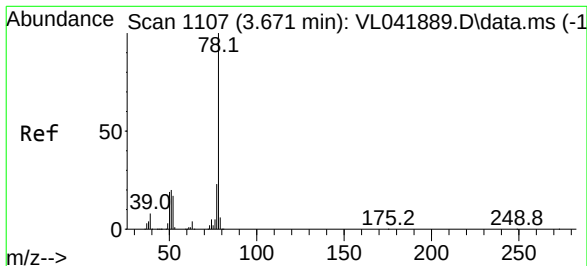
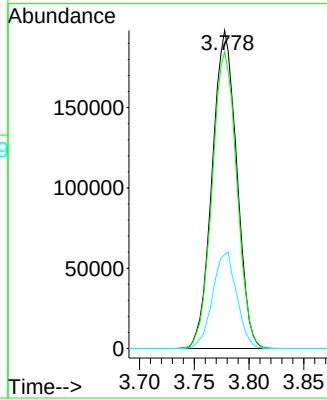
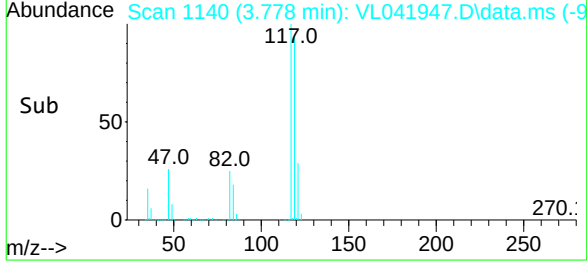
Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01



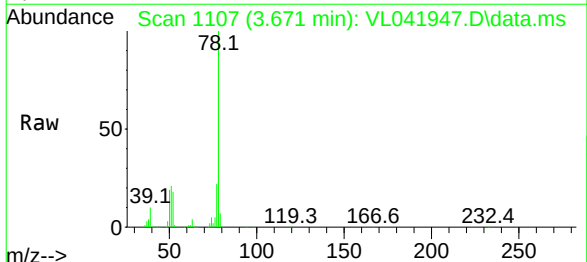
Tgt Ion: 117 Resp: 308983
Ion Ratio Lower Upper
117 100
119 93.2 76.9 115.3
121 29.5 23.8 35.6

Manual Integrations
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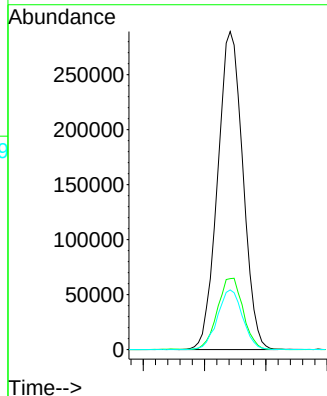
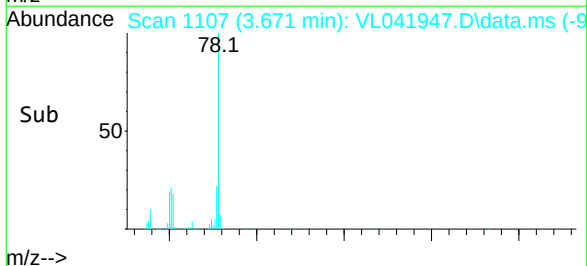
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025

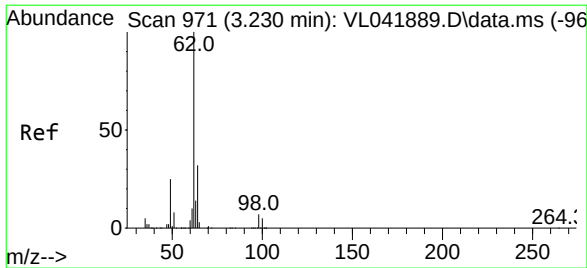


#36
Benzene
Concen: 11.314 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19



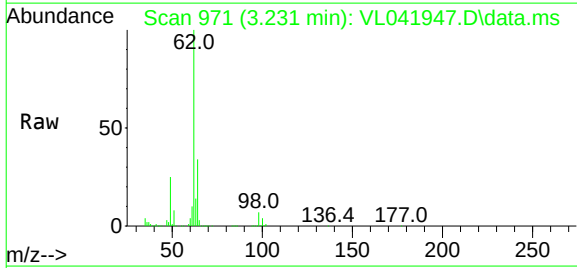
Tgt Ion: 78 Resp: 414621
Ion Ratio Lower Upper
78 100
77 22.2 18.1 27.1
50 18.8 15.2 22.8





#37
1,2-Dichloroethane
Concen: 11.198 ppbv
RT: 3.231 min Scan# 971
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

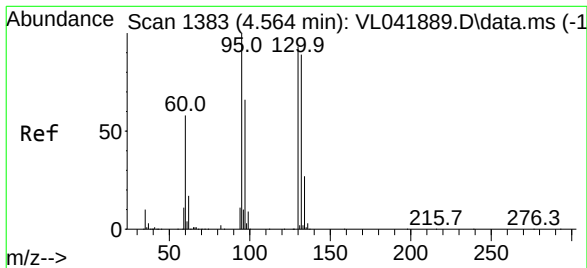
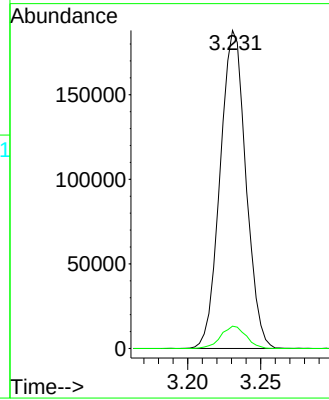
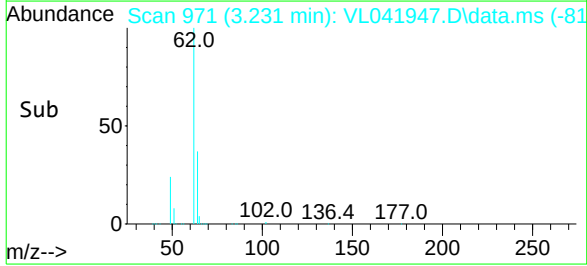
Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01



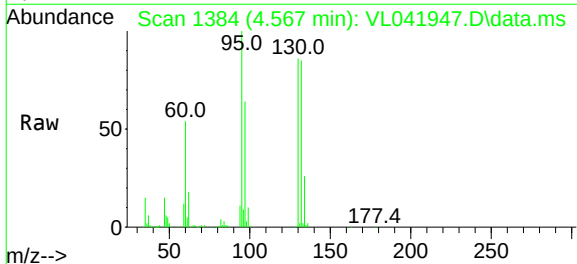
Tgt Ion: 62 Resp: 230482
Ion Ratio Lower Upper
62 100
98 6.9 5.4 8.0

Manual Integrations
APPROVED

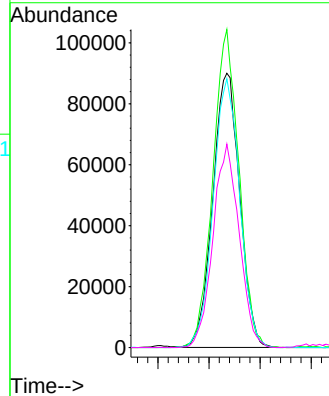
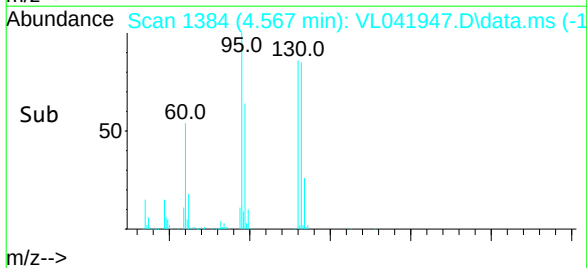
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025

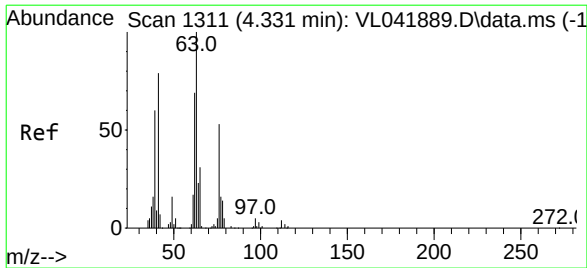


#38
Trichloroethene
Concen: 11.329 ppbv
RT: 4.567 min Scan# 1384
Delta R.T. 0.004 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19



Tgt Ion:130 Resp: 164755
Ion Ratio Lower Upper
130 100
95 116.0 85.8 128.8
132 98.1 76.5 114.7
97 74.2 56.8 85.2





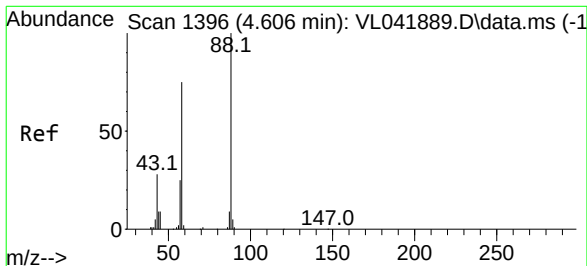
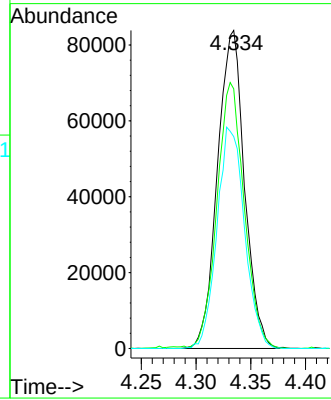
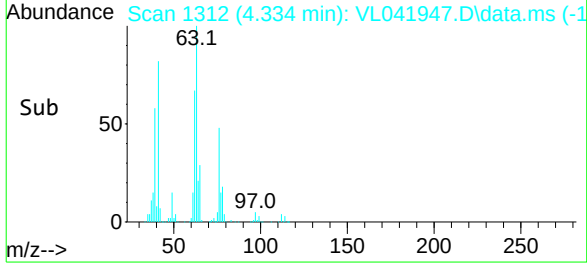
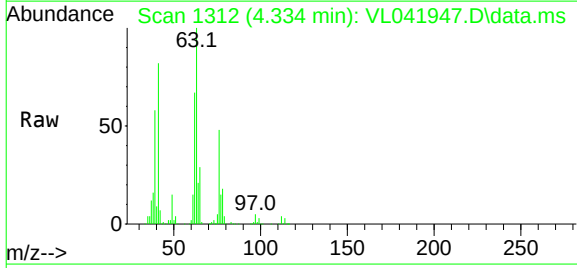
#39
1,2-Dichloropropane
Concen: 11.197 ppbv
RT: 4.334 min Scan# 1311
Delta R.T. 0.004 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tgt Ion: 63 Resp: 143940
Ion Ratio Lower Upper
63 100
41 81.5 63.7 95.5
62 66.6 55.4 83.2

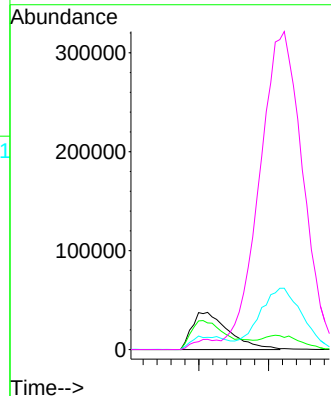
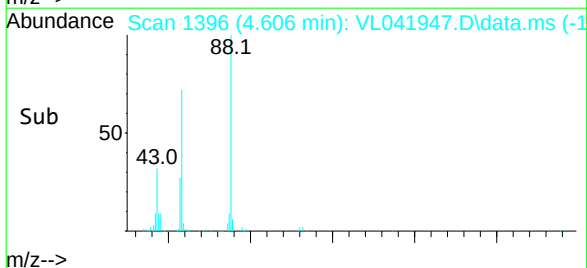
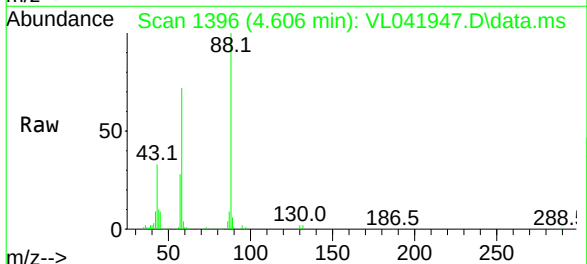
Manual Integrations
APPROVED

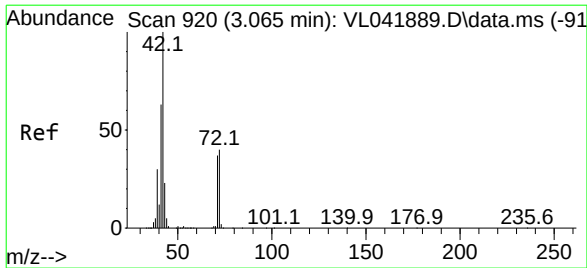
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#40
1,4-Dioxane
Concen: 10.663 ppbv
RT: 4.606 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

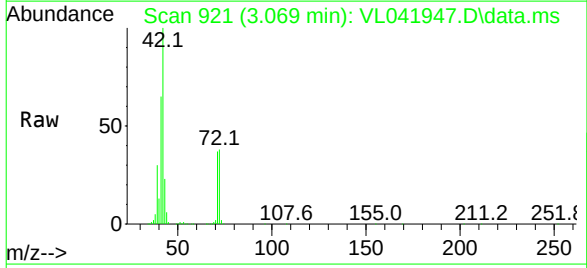
Tgt Ion: 88 Resp: 69223
Ion Ratio Lower Upper
88 100
58 80.4 62.1 93.1
43 0.0 0.0 0.0
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 11.637 ppbv
RT: 3.069 min Scan# 920
Delta R.T. 0.004 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

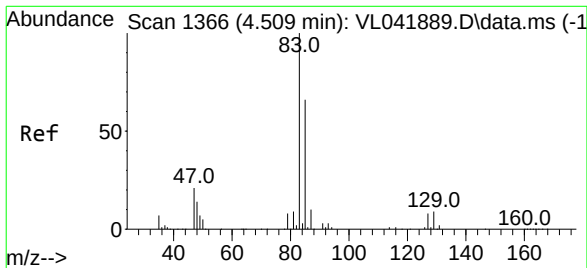
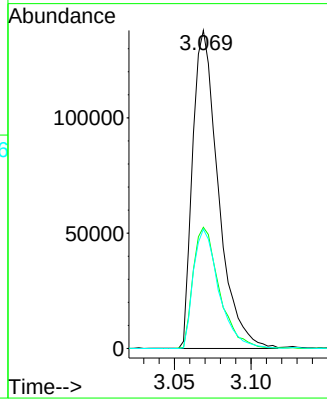
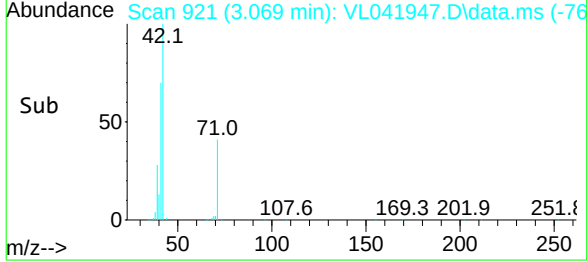
Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01



Tgt Ion: 42 Resp: 160711
Ion Ratio Lower Upper
42 100
72 38.9 32.3 48.5
71 37.6 29.9 44.9

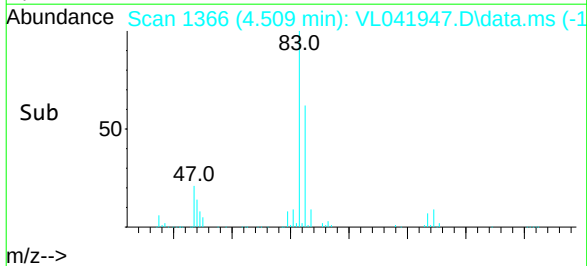
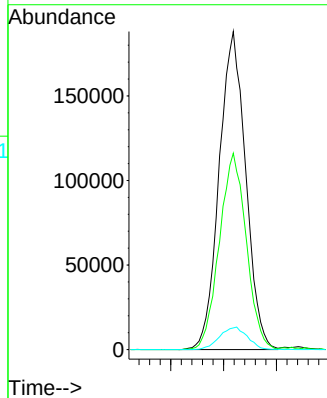
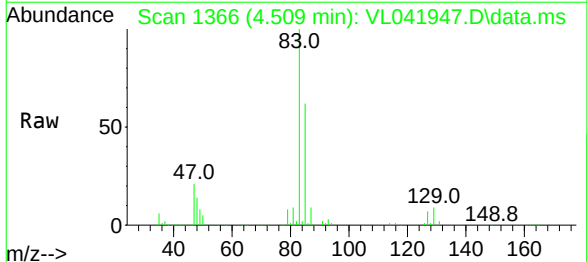
Manual Integrations
APPROVED

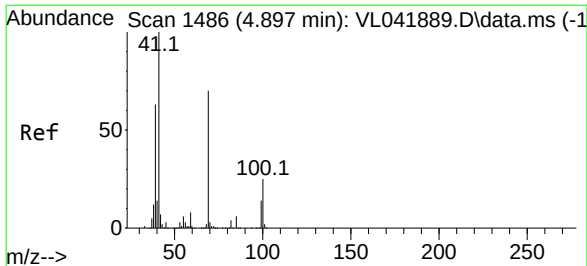
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#42
Bromodichloromethane
Concen: 11.889 ppbv
RT: 4.509 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Tgt Ion: 83 Resp: 328091
Ion Ratio Lower Upper
83 100
85 61.7 52.6 78.8
127 6.8 6.4 9.6





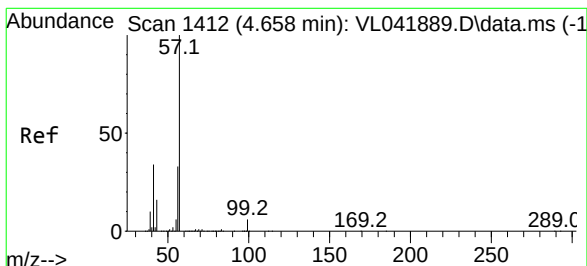
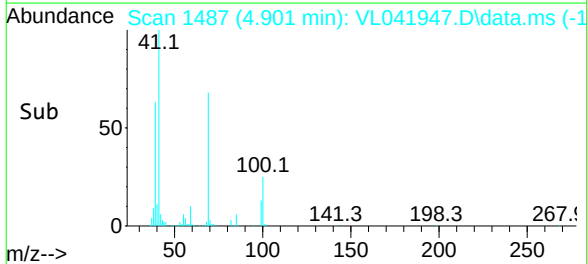
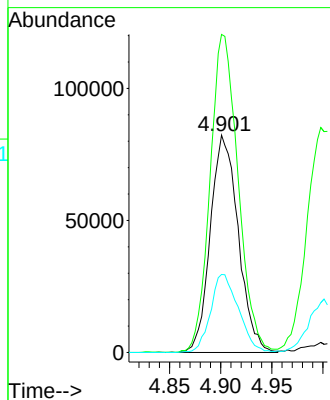
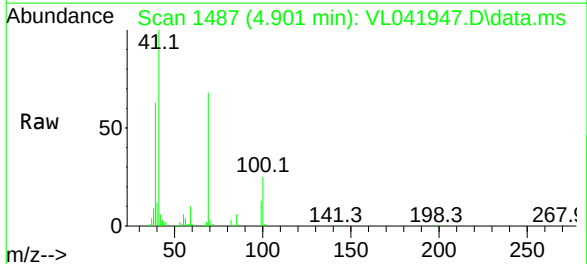
#43
Methyl Methacrylate
Concen: 11.506 ppbv
RT: 4.901 min Scan# 1413
Delta R.T. 0.004 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tgt Ion: 69 Resp: 156642
Ion Ratio Lower Upper
69 100
41 146.4 118.6 177.8
100 35.9 29.3 43.9

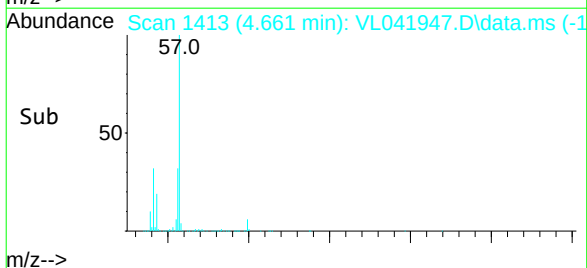
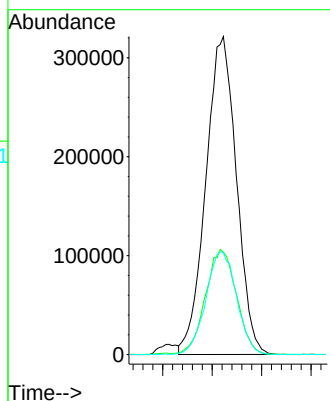
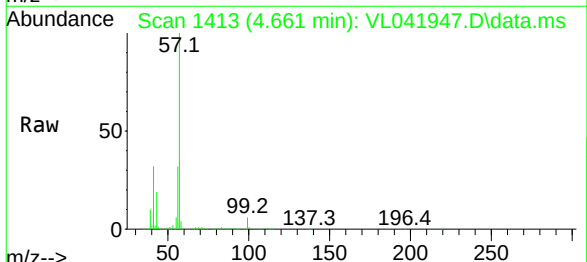
Manual Integrations
APPROVED

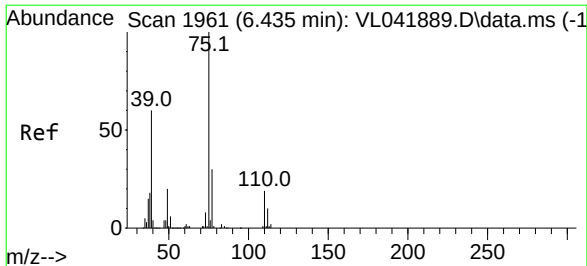
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#44
2,2,4-Trimethylpentane
Concen: 11.668 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. 0.004 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Tgt Ion: 57 Resp: 691648
Ion Ratio Lower Upper
57 100
41 33.9 26.6 40.0
56 32.5 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 11.477 ppbv

RT: 6.435 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VL041947.D

Acq: 27 Jan 2025 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tgt Ion: 75 Resp: 146256

Ion Ratio Lower Upper

75 100

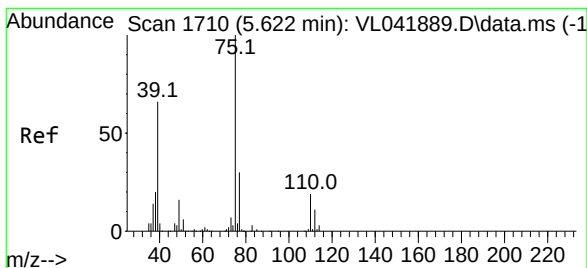
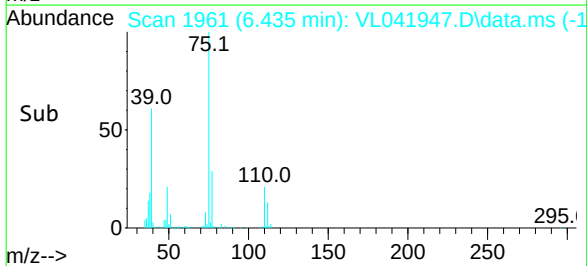
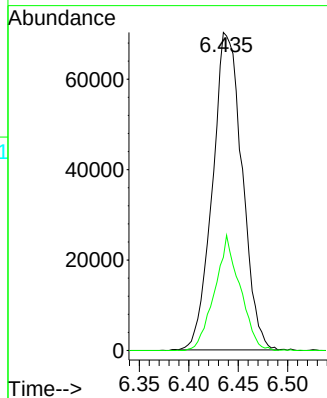
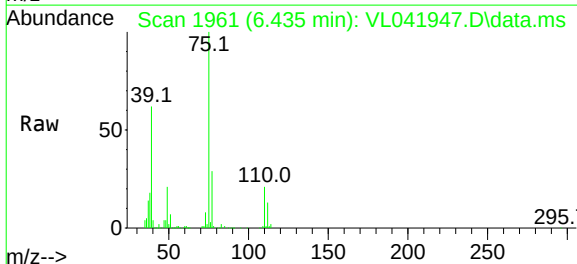
77 29.3 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025

Supervised By :Mahesh Dadoda 01/30/2025



#46

cis-1,3-Dichloropropene

Concen: 11.781 ppbv

RT: 5.626 min Scan# 1711

Delta R.T. 0.004 min

Lab File: VL041947.D

Acq: 27 Jan 2025 12:19

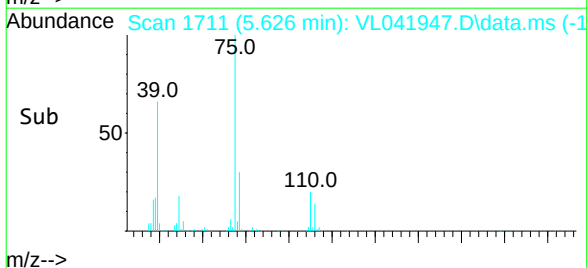
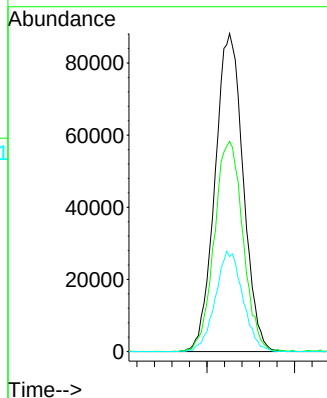
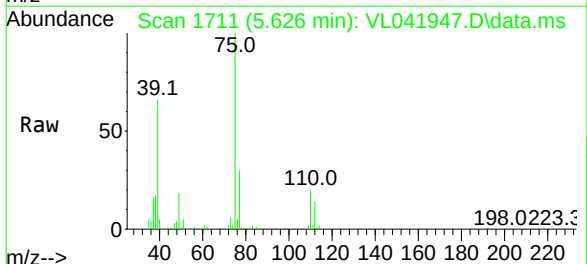
Tgt Ion: 75 Resp: 197114

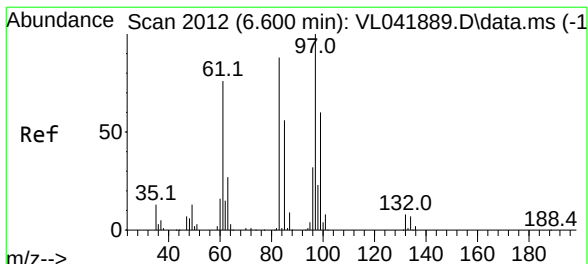
Ion Ratio Lower Upper

75 100

39 66.1 53.1 79.7

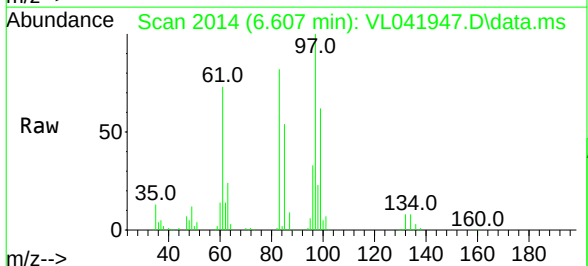
77 29.9 23.8 35.8





#47
 1,1,2-Trichloroethane
 Concen: 11.921 ppbv
 RT: 6.607 min Scan# 2012
 Delta R.T. 0.007 min
 Lab File: VL041947.D
 Acq: 27 Jan 2025 12:19

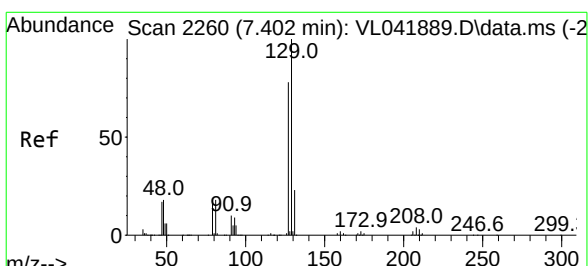
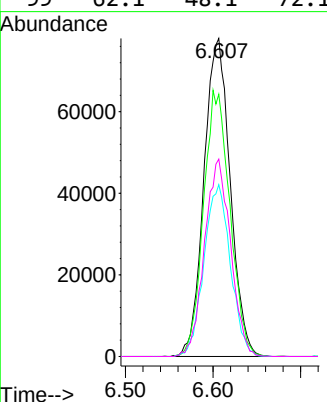
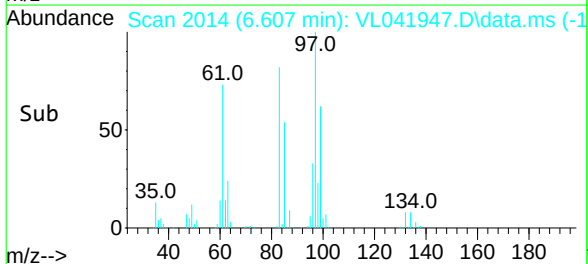
Instrument : MSVOA_L
 ClientSampleId : VL0127ABS01



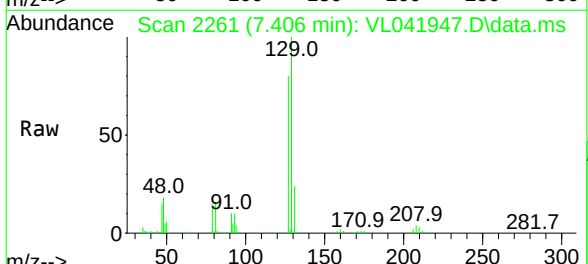
Tgt Ion:	97	Resp:	162420
Ion	Ratio	Lower	Upper
97	100		
83	82.4	70.4	105.6
85	54.0	45.0	67.4
99	62.1	48.1	72.1

Manual Integrations
 APPROVED

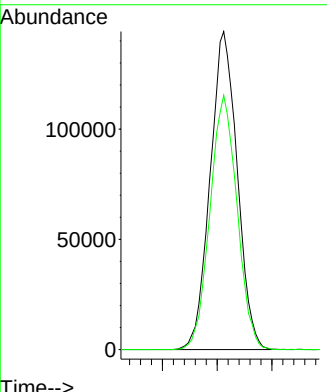
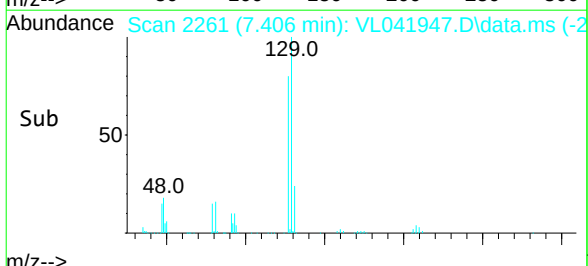
Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025

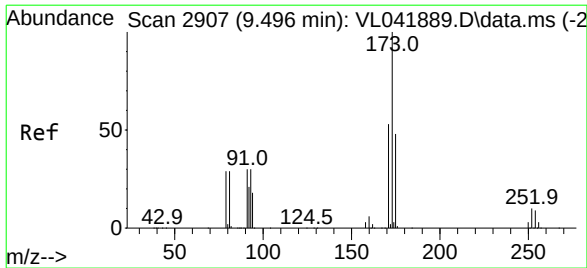


#48
 Dibromochloromethane
 Concen: 11.806 ppbv
 RT: 7.406 min Scan# 2261
 Delta R.T. 0.004 min
 Lab File: VL041947.D
 Acq: 27 Jan 2025 12:19



Tgt Ion:	129	Resp:	248197
Ion	Ratio	Lower	Upper
129	100		
127	79.8	39.3	117.8





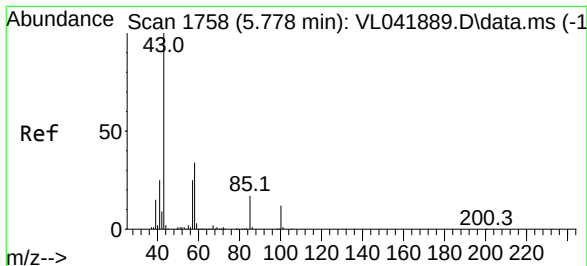
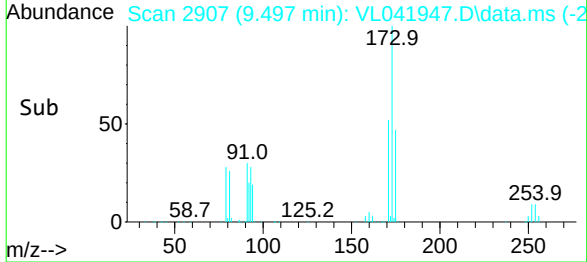
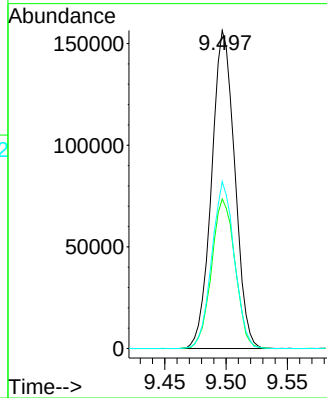
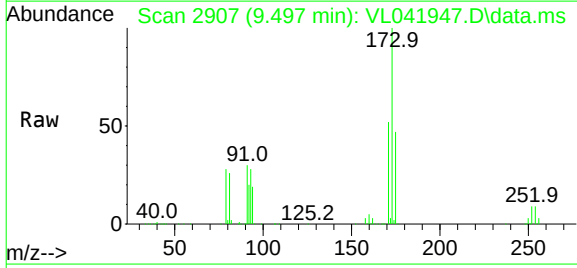
#49
Bromoform
Concen: 11.881 ppbv
RT: 9.497 min Scan# 2907
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tgt Ion: 173 Resp: 205170
Ion Ratio Lower Upper
173 100
175 47.8 38.4 57.6
171 51.3 41.4 62.2

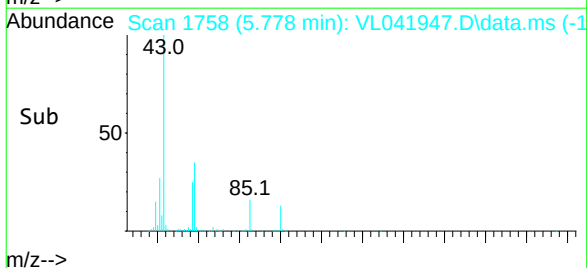
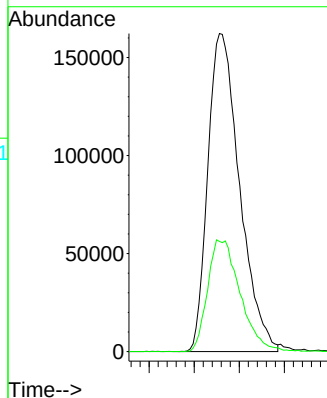
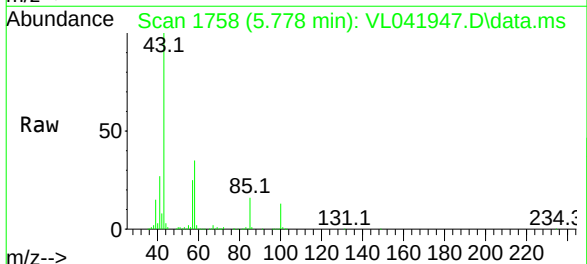
Manual Integrations
APPROVED

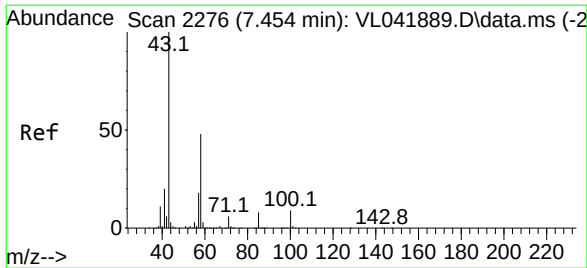
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#50
4-Methyl-2-Pentanone
Concen: 11.436 ppbv
RT: 5.778 min Scan# 1758
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

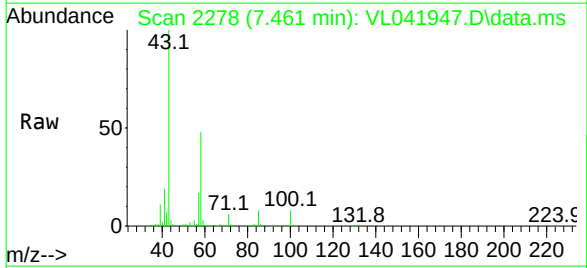
Tgt Ion: 43 Resp: 396687
Ion Ratio Lower Upper
43 100
58 36.1 29.0 43.6





#51
2-Hexanone
Concen: 12.014 ppbv
RT: 7.461 min Scan# 2276
Delta R.T. 0.007 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

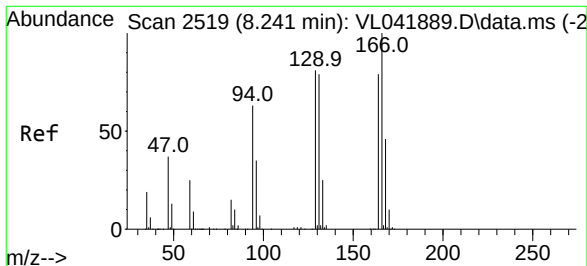
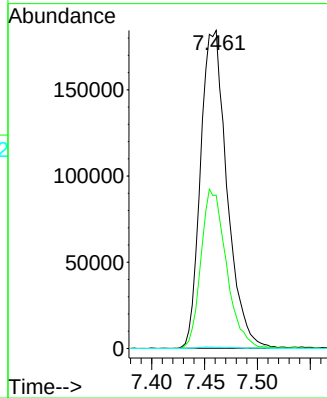
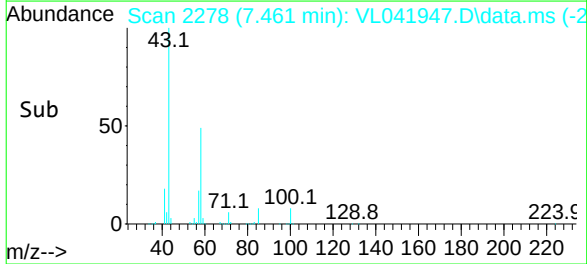
Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01



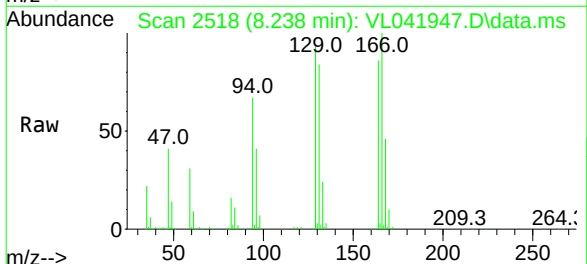
Tgt Ion: 43 Resp: 320223
Ion Ratio Lower Upper
43 100
58 48.5 40.4 60.6
98 0.6 0.2 0.2

Manual Integrations
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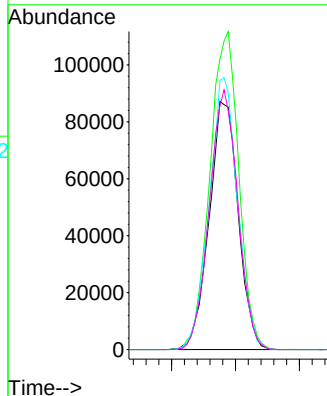
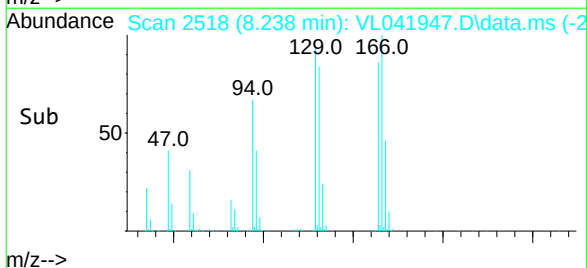
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025

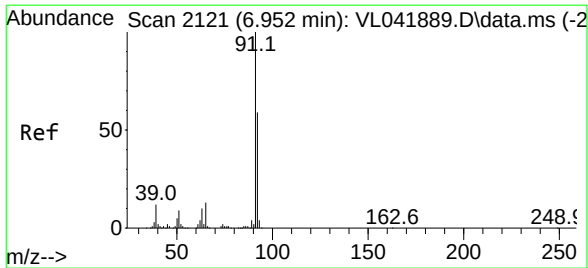


#52
Tetrachloroethene
Concen: 10.796 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. -0.003 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19



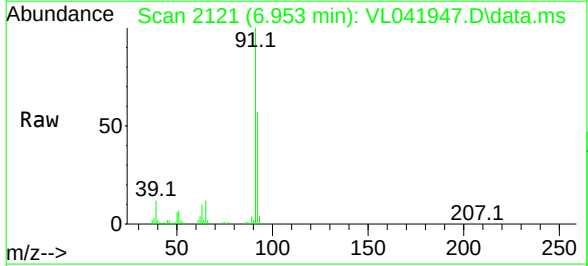
Tgt Ion:164 Resp: 137187
Ion Ratio Lower Upper
164 100
166 116.9 100.8 151.2
129 108.4 82.0 123.0
131 98.1 80.2 120.2





#53
Toluene
Concen: 11.715 ppbv
RT: 6.953 min Scan# 2121
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

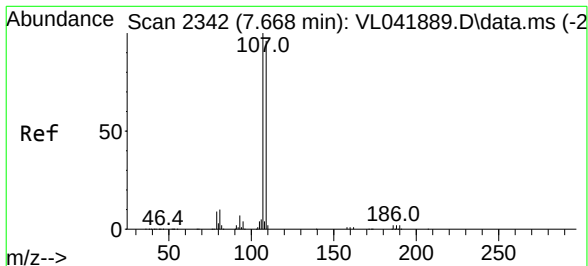
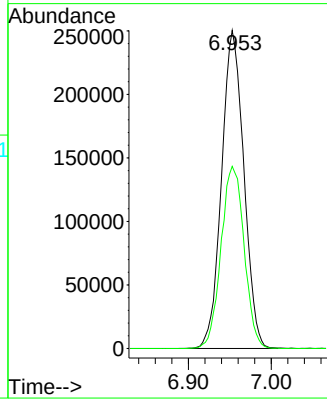
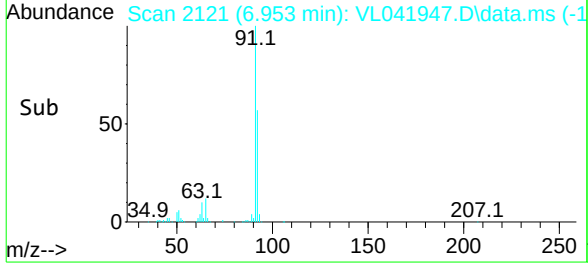
Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01



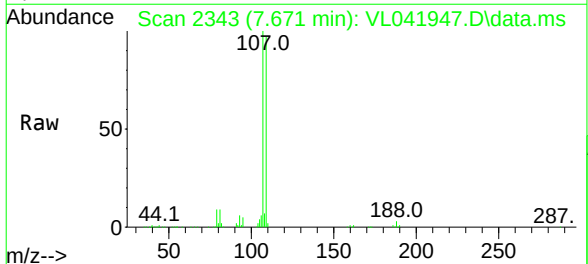
Tgt Ion: 91 Resp: 467674
Ion Ratio Lower Upper
91 100
92 59.4 47.4 71.0

Manual Integrations
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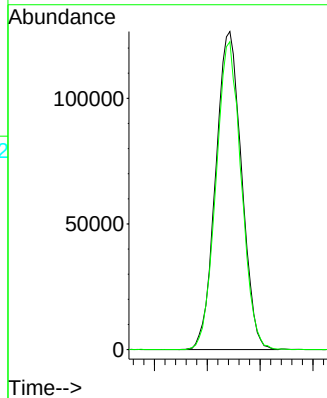
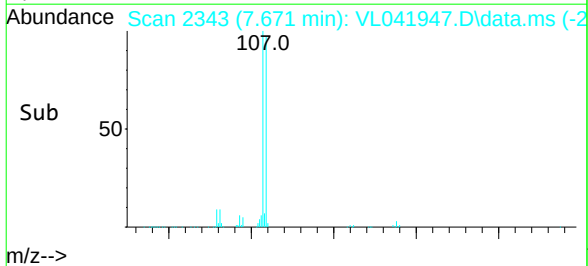
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025

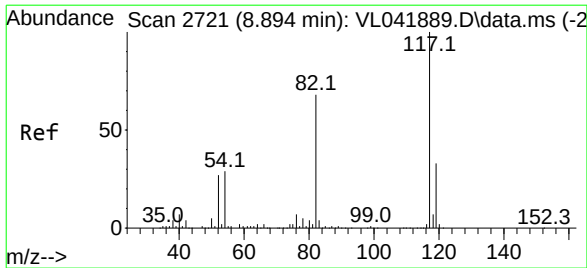


#54
1,2-Dibromoethane
Concen: 11.483 ppbv
RT: 7.671 min Scan# 2343
Delta R.T. 0.004 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19



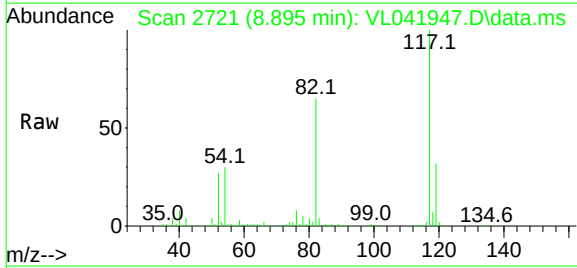
Tgt Ion:107 Resp: 215083
Ion Ratio Lower Upper
107 100
109 96.8 76.7 115.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2721
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

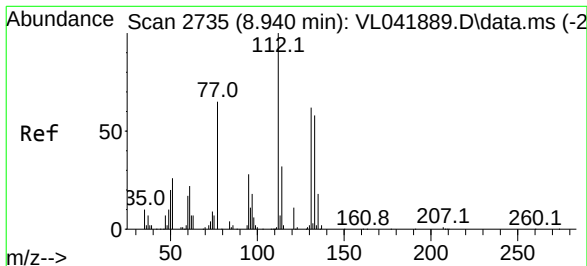
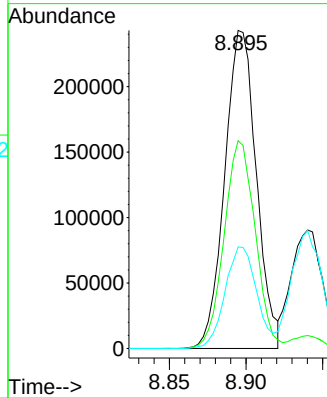
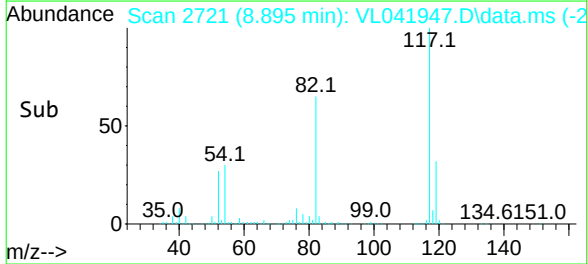
Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01



Tgt Ion:117 Resp: 348759
Ion Ratio Lower Upper
117 100
82 68.1 54.2 81.4
119 32.6 25.0 37.6

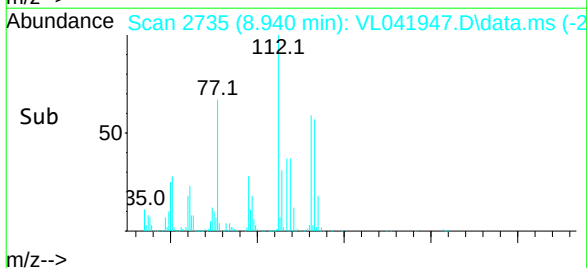
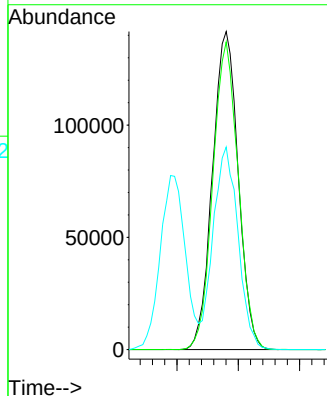
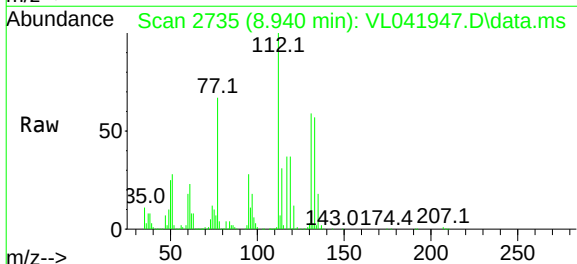
Manual Integrations
APPROVED

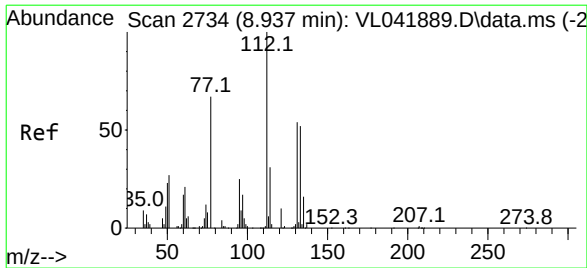
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 11.870 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Tgt Ion:131 Resp: 206531
Ion Ratio Lower Upper
131 100
133 95.1 76.0 114.0
119 61.9 49.7 74.5





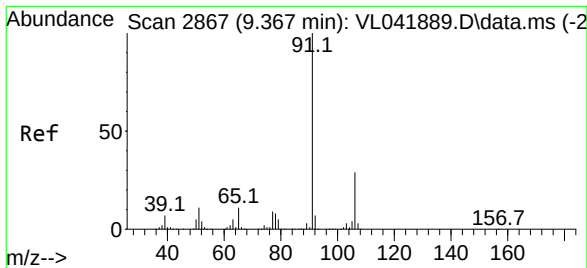
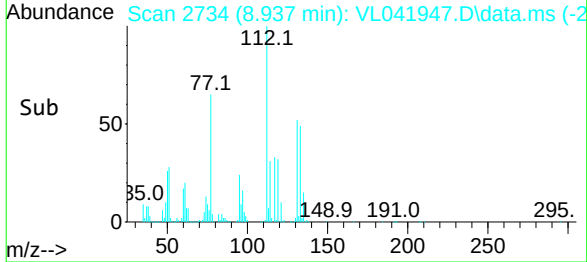
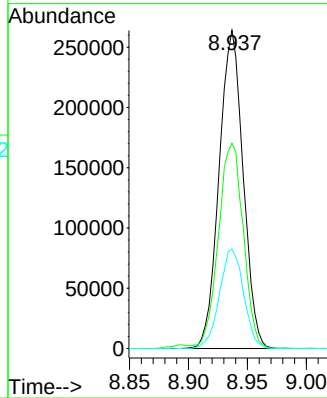
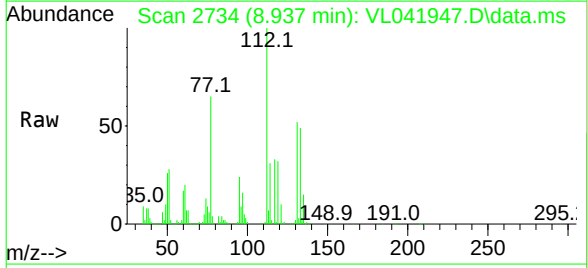
#57
Chlorobenzene
Concen: 11.623 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tgt Ion: 112 Resp: 373904
Ion Ratio Lower Upper
112 100
77 64.4 54.6 82.0
114 31.3 28.2 34.4

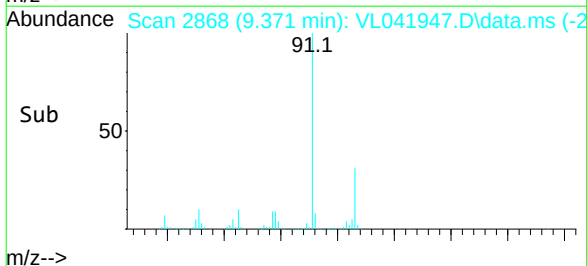
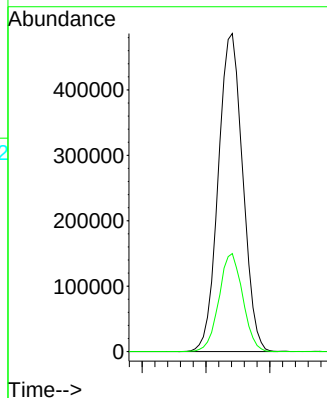
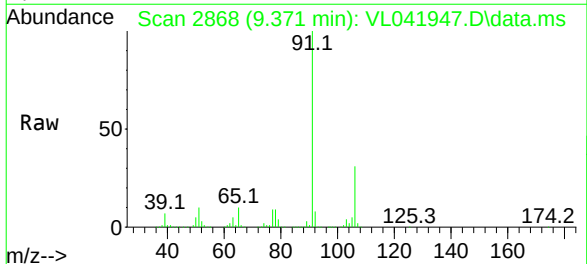
Manual Integrations
APPROVED

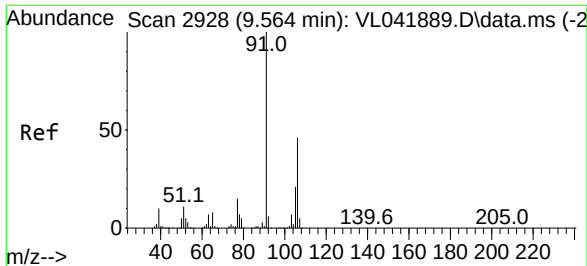
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#58
Ethyl Benzene
Concen: 11.880 ppbv
RT: 9.371 min Scan# 2868
Delta R.T. 0.004 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Tgt Ion: 91 Resp: 647487
Ion Ratio Lower Upper
91 100
106 30.8 23.1 34.7





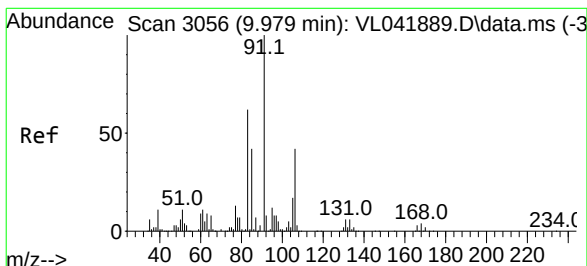
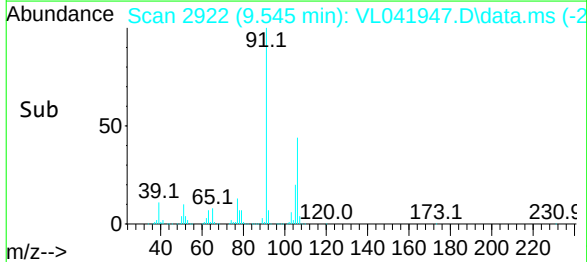
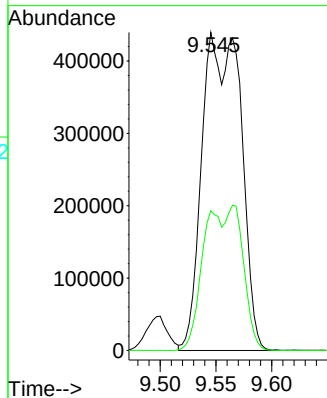
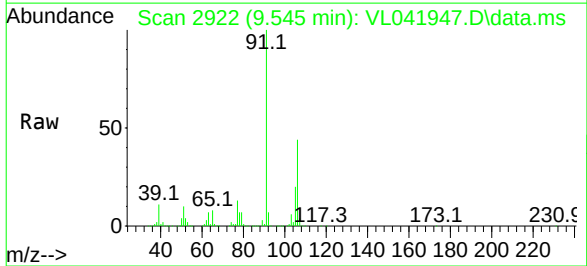
#59
m/p-Xylene
Concen: 24.395 ppbv m
RT: 9.545 min Scan# 2928
Delta R.T. -0.019 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tgt Ion: 91 Resp: 1065769
Ion Ratio Lower Upper
91 100
106 45.9 36.0 54.0

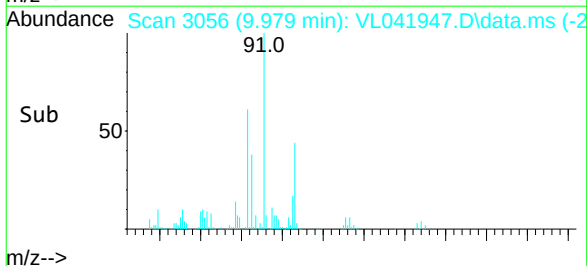
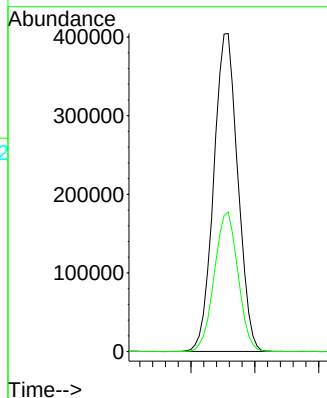
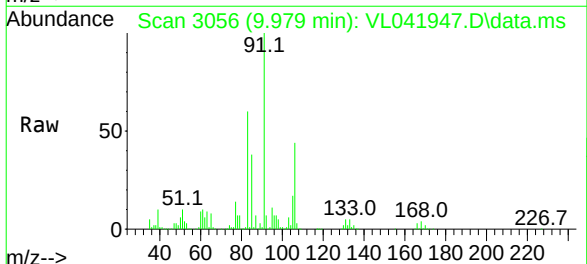
Manual Integrations
APPROVED

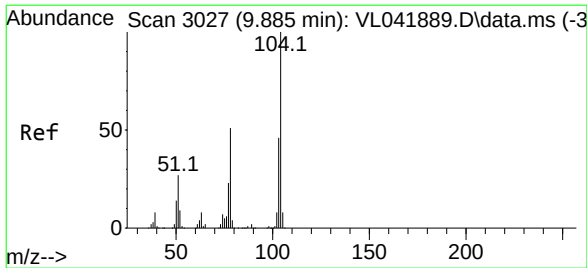
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#60
o-Xylene
Concen: 12.203 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Tgt Ion: 91 Resp: 529149
Ion Ratio Lower Upper
91 100
106 43.2 21.3 63.9





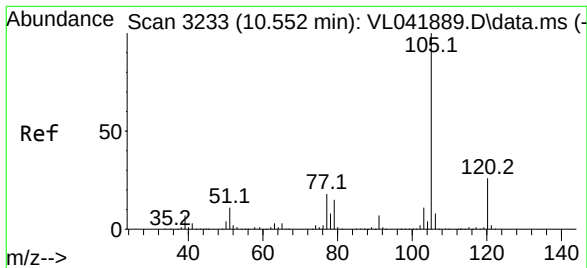
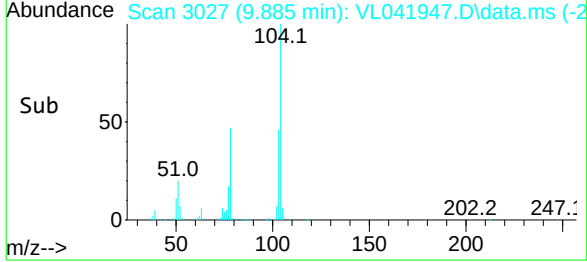
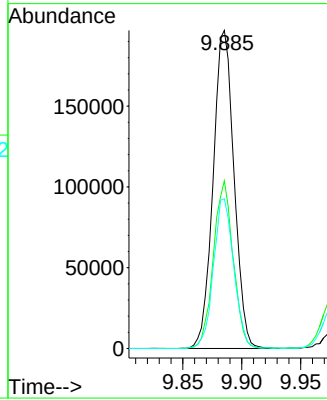
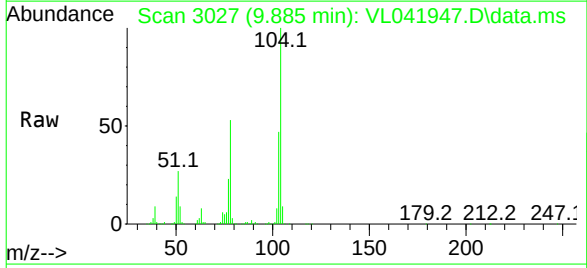
#61
Styrene
Concen: 12.495 ppbv
RT: 9.885 min Scan# 3027
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tgt Ion:104 Resp: 243068
Ion Ratio Lower Upper
104 100
78 50.0 41.0 61.6
103 45.9 37.2 55.8

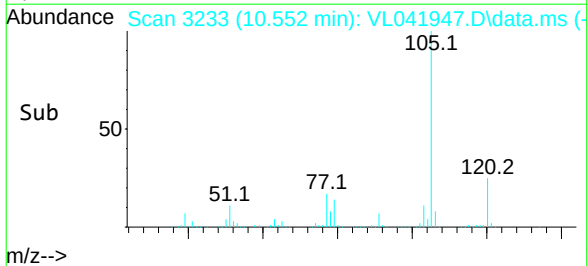
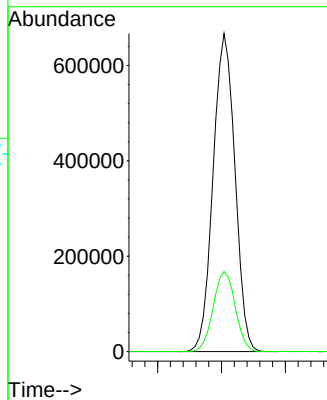
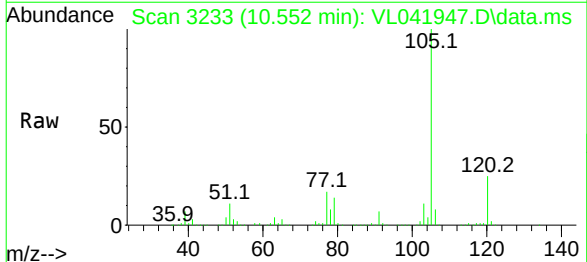
Manual Integrations
APPROVED

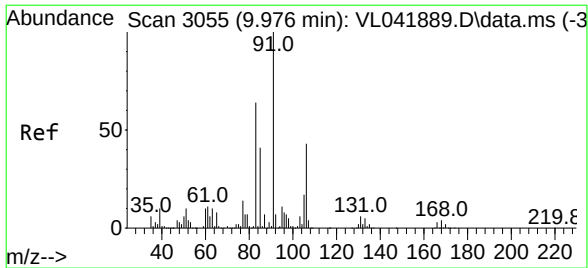
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#62
Isopropylbenzene
Concen: 11.822 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

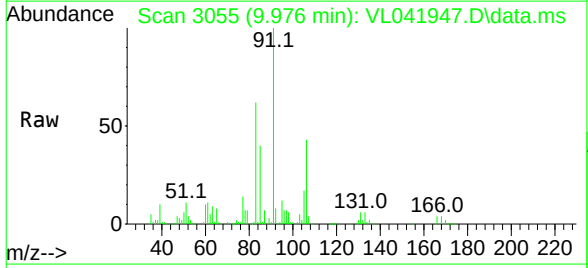
Tgt Ion:105 Resp: 793281
Ion Ratio Lower Upper
105 100
120 25.4 20.3 30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 11.685 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

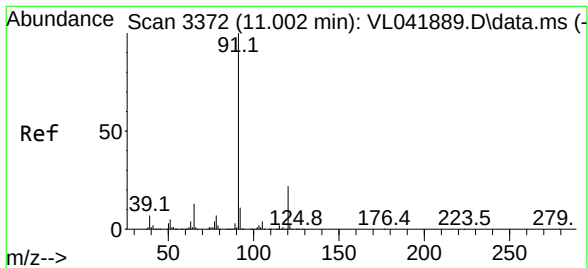
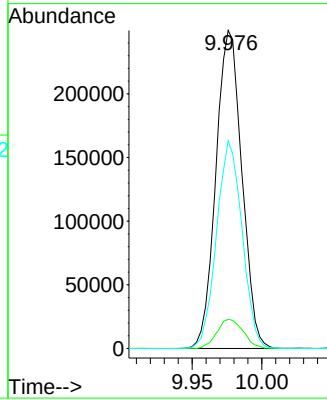
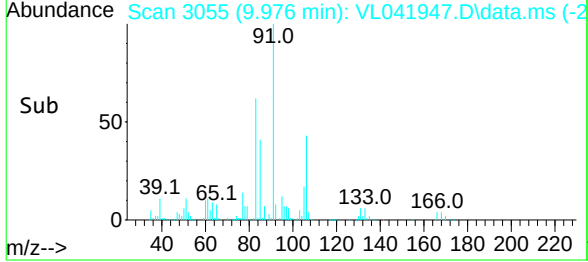
Instrument : MSVOA_L
ClientSampleId : VL0127ABS01



Tgt Ion:	83	Resp:	323789
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.8	14.4
85	64.3	32.4	97.2

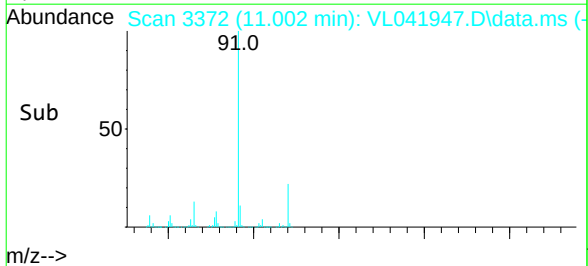
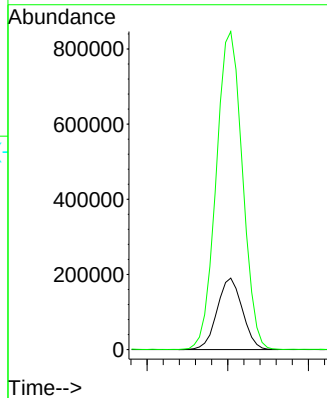
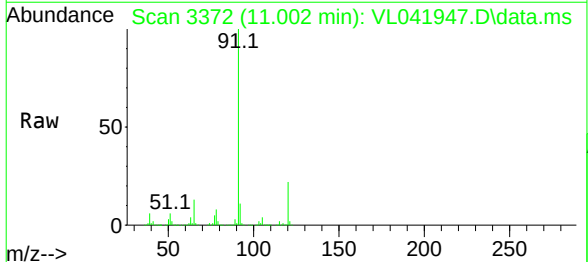
Manual Integrations
APPROVED

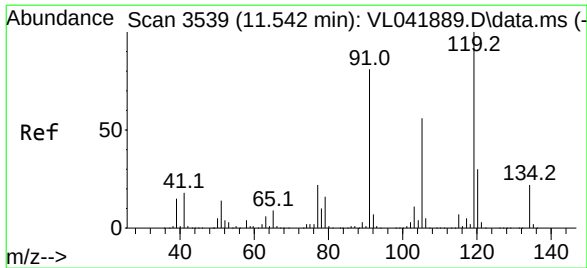
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#64
n-propylbenzene
Concen: 12.173 ppbv
RT: 11.002 min Scan# 3372
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Tgt Ion:	120	Resp:	206392
Ion	Ratio	Lower	Upper
120	100		
91	464.4	374.1	561.1





#65

tert-Butylbenzene

Concen: 11.487 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.000 min

Lab File: VL041947.D

Acq: 27 Jan 2025 12:19

Instrument :

MSVOA_L

ClientSampleId :

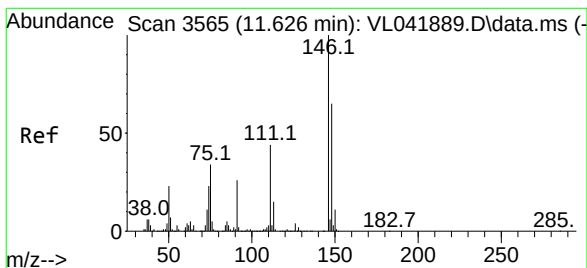
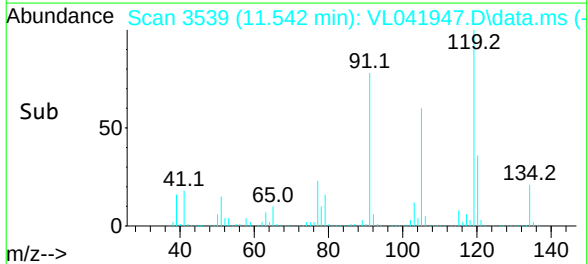
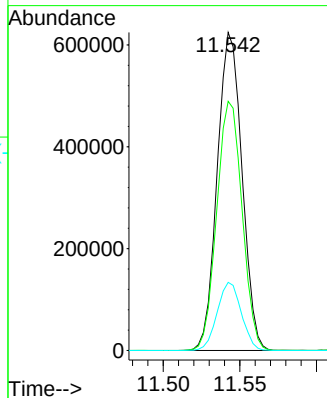
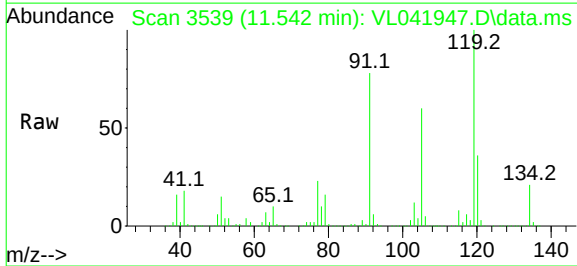
VL0127ABS01

Tgt Ion:	119	Resp:	702412
Ion Ratio	Lower	Upper	
119	100		
91	80.2	64.6	97.0
134	20.9	16.8	25.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#66

Benzyl Chloride

Concen: 10.523 ppbv

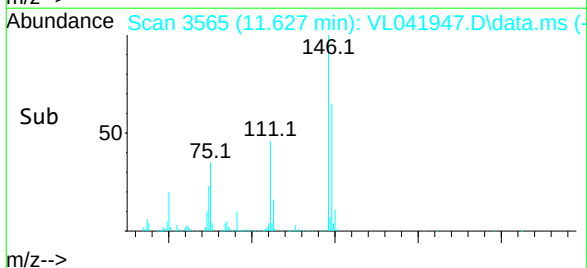
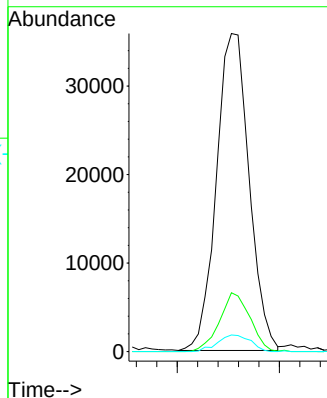
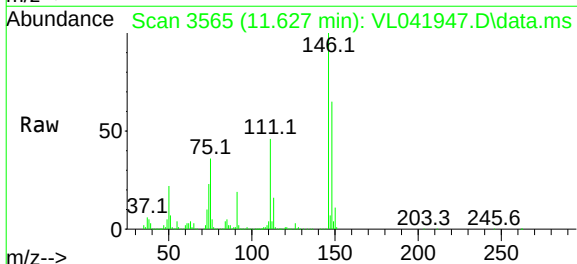
RT: 11.627 min Scan# 3565

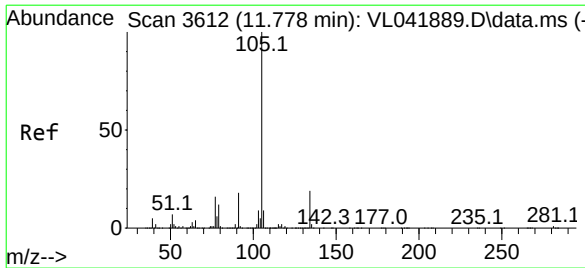
Delta R.T. 0.000 min

Lab File: VL041947.D

Acq: 27 Jan 2025 12:19

Tgt Ion:	91	Resp:	39829
Ion Ratio	Lower	Upper	
91	100		
126	17.3	14.1	21.1
128	5.3	4.3	6.5





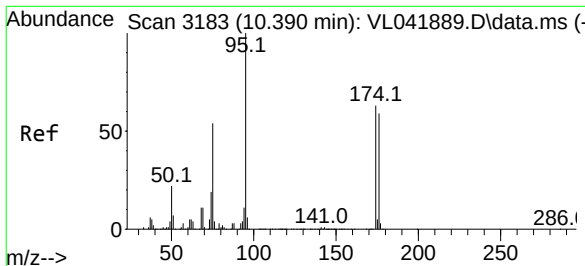
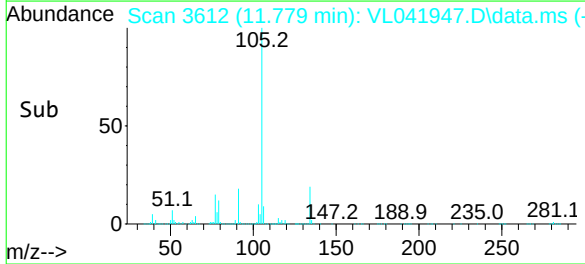
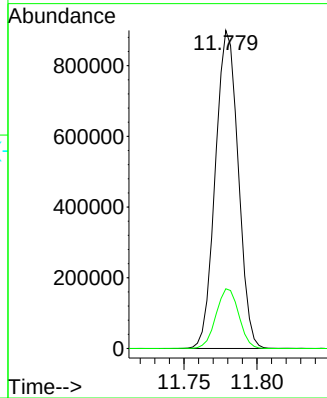
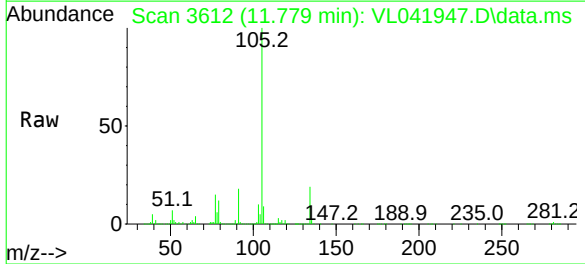
#67
 sec-Butylbenzene
 Concen: 11.648 ppbv
 RT: 11.779 min Scan# 3612
 Delta R.T. 0.000 min
 Lab File: VL041947.D
 Acq: 27 Jan 2025 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABS01

Tgt Ion: 105 Resp: 980787
 Ion Ratio Lower Upper
 105 100
 134 18.7 15.1 22.7

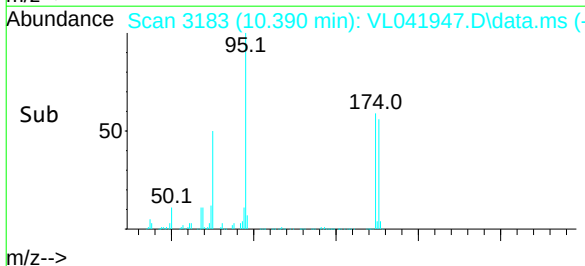
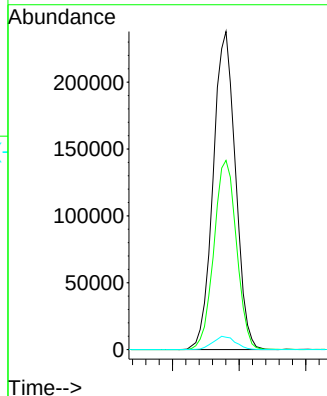
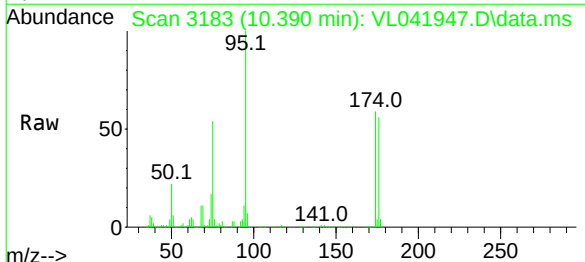
Manual Integrations
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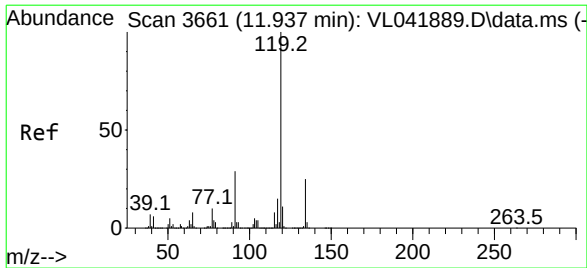
Reviewed By : Semsettin Yesilyurt 01/30/2025
 Supervised By : Mahesh Dadoda 01/30/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.066 ppbv
 RT: 10.390 min Scan# 3183
 Delta R.T. 0.000 min
 Lab File: VL041947.D
 Acq: 27 Jan 2025 12:19

Tgt Ion: 95 Resp: 276515
 Ion Ratio Lower Upper
 95 100
 174 60.5 49.0 73.4
 175 4.2 3.8 5.8





#69

p-Isopropyltoluene

Concen: 11.735 ppbv

RT: 11.937 min Scan# 3661

Delta R.T. 0.000 min

Lab File: VL041947.D

Acq: 27 Jan 2025 12:19

Instrument :

MSVOA_L

ClientSampleId :

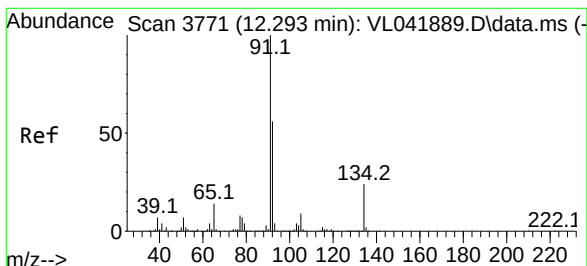
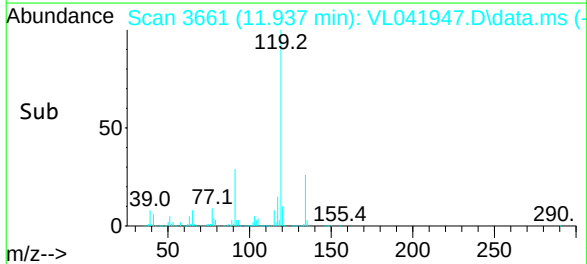
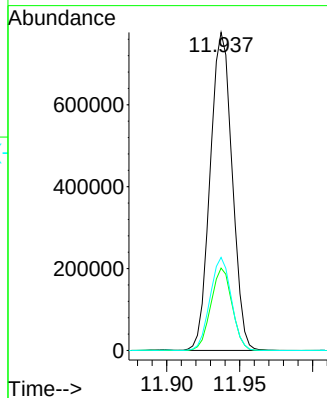
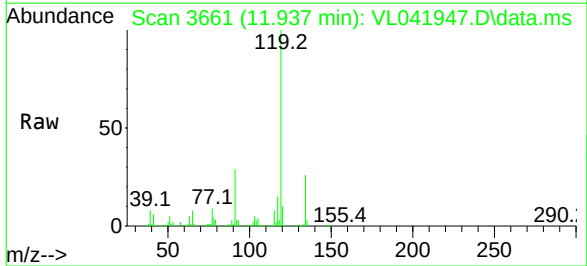
VL0127ABS01

Tgt Ion:	119	Resp:	813693
Ion Ratio	Lower	Upper	
119	100		
134	25.0	19.8	29.6
91	28.6	23.0	34.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#70

n-Butylbenzene

Concen: 11.677 ppbv

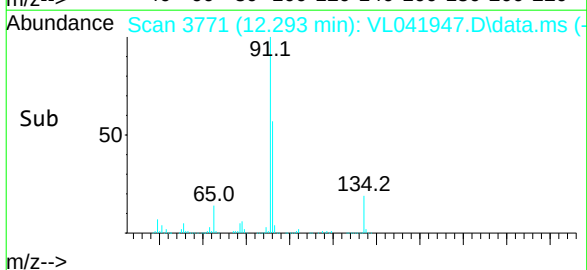
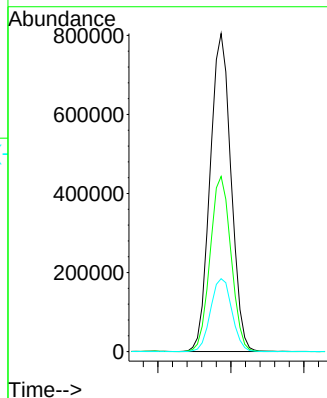
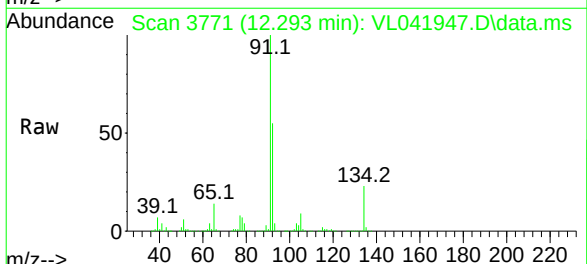
RT: 12.293 min Scan# 3771

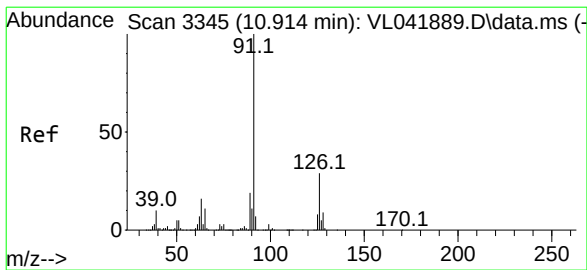
Delta R.T. 0.000 min

Lab File: VL041947.D

Acq: 27 Jan 2025 12:19

Tgt Ion:	91	Resp:	802930
Ion Ratio	Lower	Upper	
91	100		
92	55.1	43.8	65.6
134	23.4	19.0	28.6





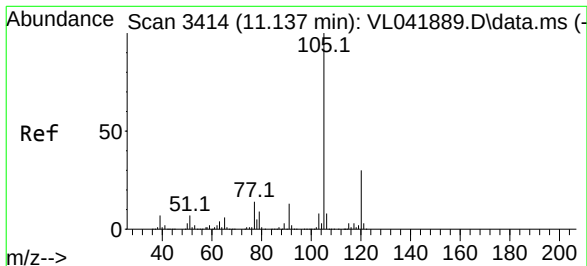
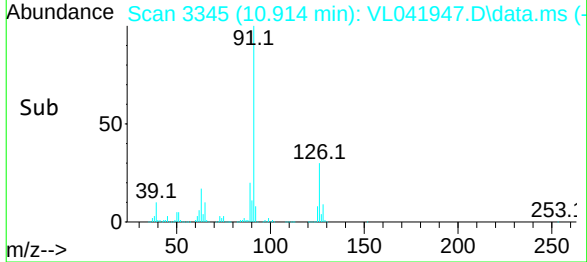
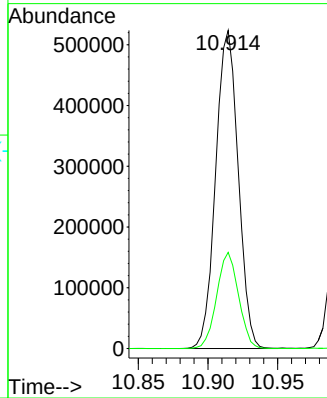
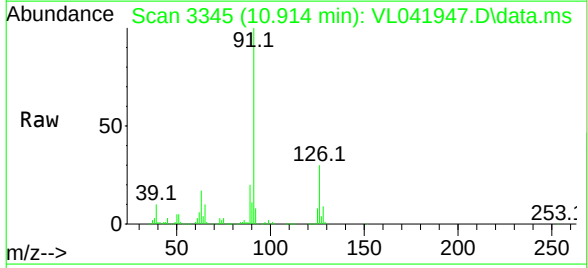
#71
2-Chlorotoluene
Concen: 11.843 ppbv
RT: 10.914 min Scan# 3345
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tgt Ion: 91 Resp: 587822
Ion Ratio Lower Upper
91 100
126 29.2 11.7 46.7

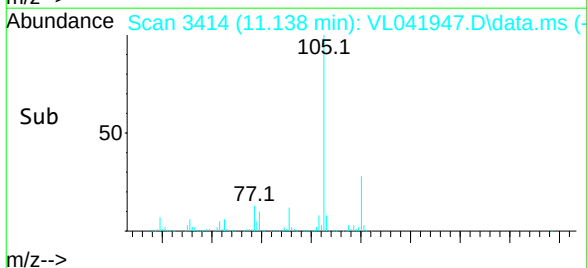
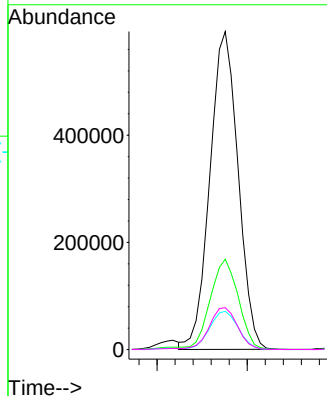
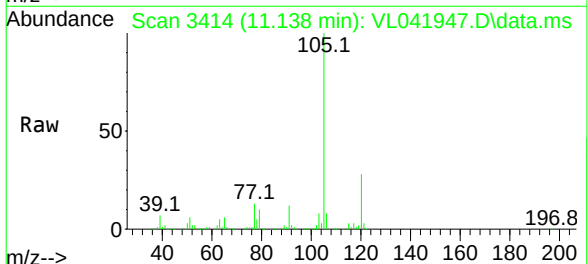
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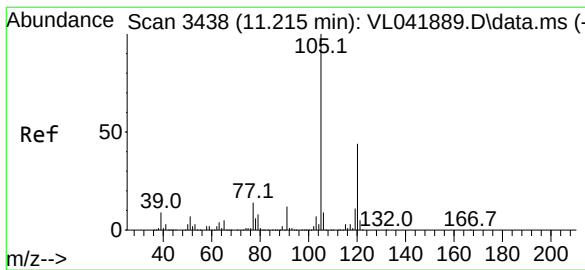
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#72
4-Ethyltoluene
Concen: 12.417 ppbv
RT: 11.138 min Scan# 3414
Delta R.T. 0.000 min
Lab File: VL041947.D
Acq: 27 Jan 2025 12:19

Tgt Ion:105 Resp: 644084
Ion Ratio Lower Upper
105 100
120 29.0 23.7 35.5
91 12.7 10.2 15.2
77 13.6 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 11.865 ppbv

RT: 11.215 min Scan# 3438

Delta R.T. 0.000 min

Lab File: VL041947.D

Acq: 27 Jan 2025 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tgt Ion:105 Resp: 543491

Ion Ratio Lower Upper

105 100

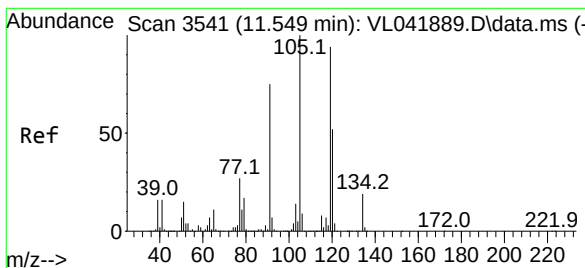
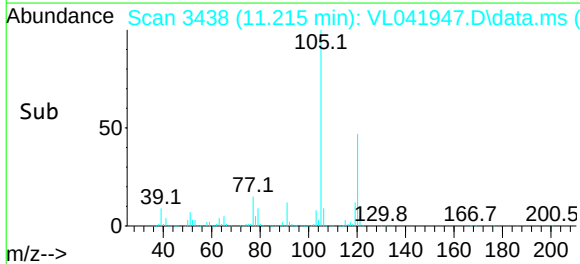
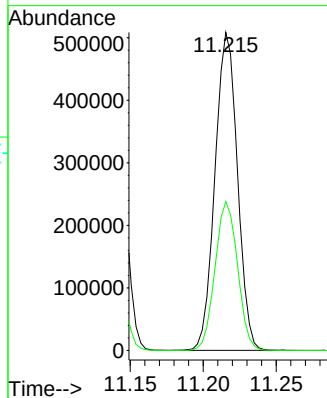
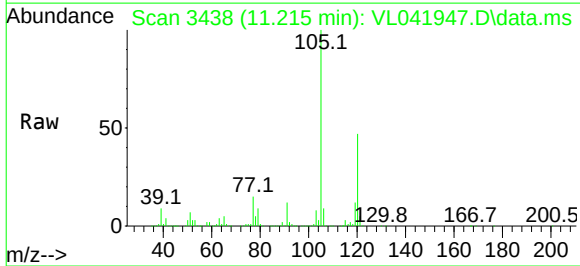
120 46.8 35.4 53.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/30/2025

Supervised By :Mahesh Dadoda 01/30/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.915 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. 0.000 min

Lab File: VL041947.D

Acq: 27 Jan 2025 12:19

Tgt Ion:105 Resp: 591073

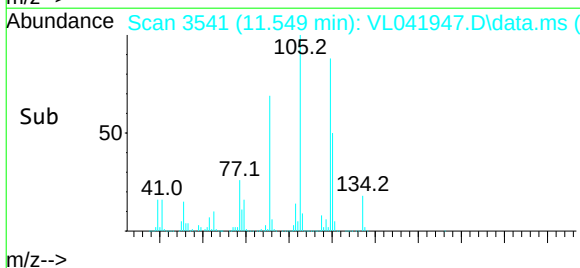
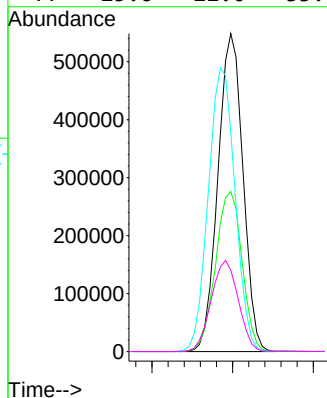
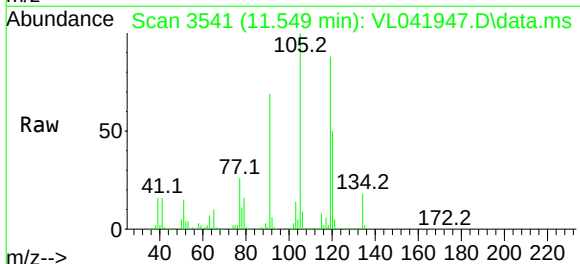
Ion Ratio Lower Upper

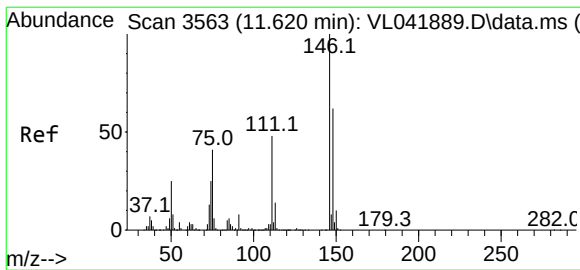
105 100

120 50.3 41.4 62.2

91 69.0 60.2 90.2

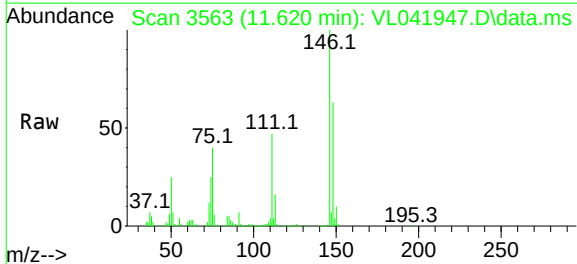
77 25.6 22.0 33.0





#75
 1,3-Dichlorobenzene
 Concen: 11.649 ppbv
 RT: 11.620 min Scan# 3563
 Delta R.T. 0.000 min
 Lab File: VL041947.D
 Acq: 27 Jan 2025 12:19

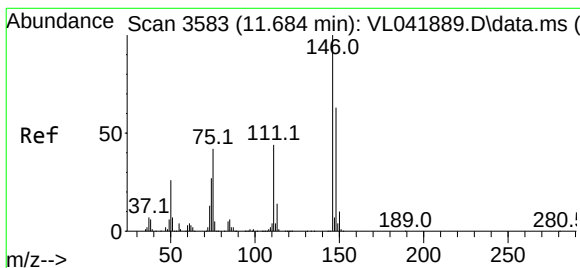
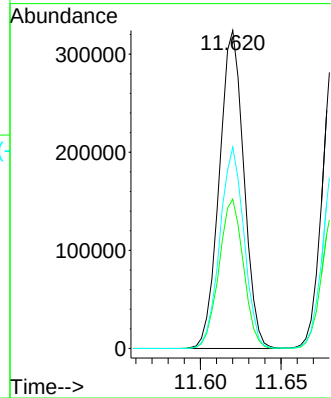
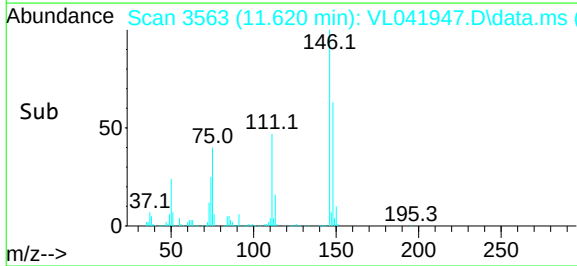
Instrument : MSVOA_L
 ClientSampleId : VL0127ABS01



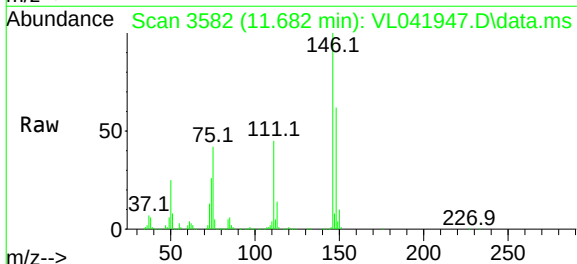
Tgt Ion:146 Resp: 342442
 Ion Ratio Lower Upper
 146 100
 111 46.9 23.6 70.8
 148 62.2 31.4 94.0

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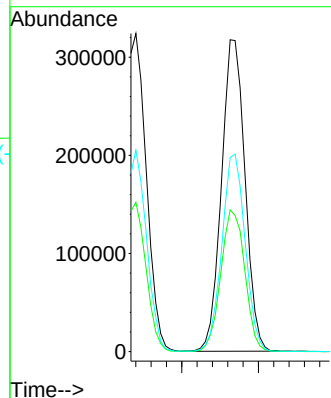
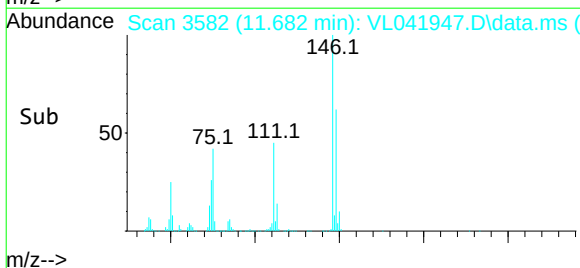
Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025

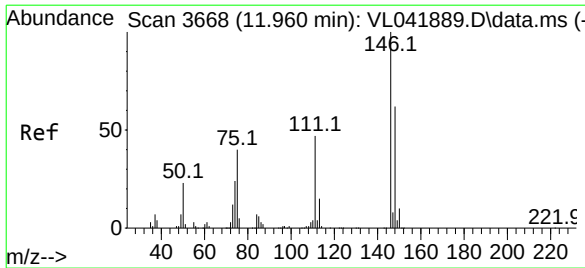


#76
 1,4-Dichlorobenzene
 Concen: 11.780 ppbv
 RT: 11.682 min Scan# 3582
 Delta R.T. -0.003 min
 Lab File: VL041947.D
 Acq: 27 Jan 2025 12:19



Tgt Ion:146 Resp: 338784
 Ion Ratio Lower Upper
 146 100
 111 46.4 22.4 67.0
 148 63.2 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 11.244 ppbv

RT: 11.960 min Scan# 3668

Delta R.T. 0.000 min

Lab File: VL041947.D

Acq: 27 Jan 2025 12:19

Instrument :

MSVOA_L

ClientSampleId :

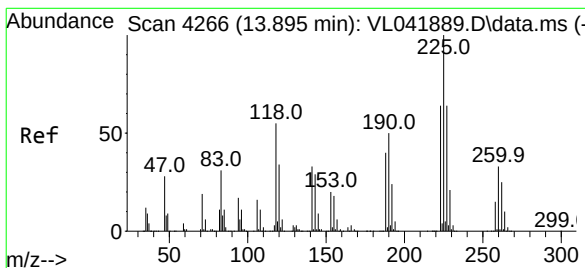
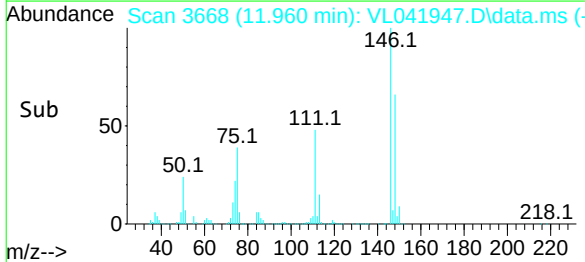
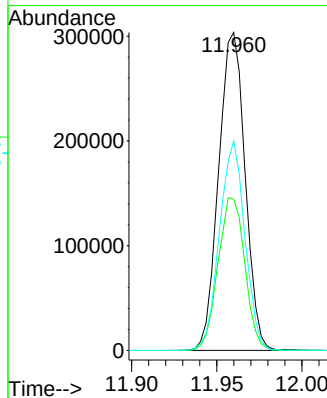
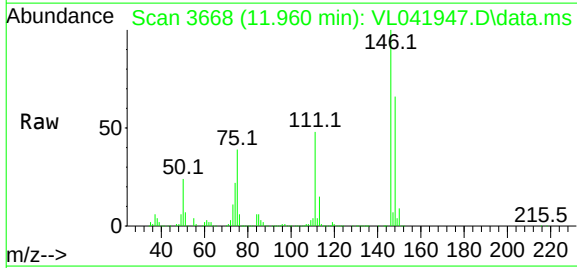
VL0127ABS01

Tgt Ion:	146	Resp:	327583
Ion Ratio	Lower	Upper	
146	100		
111	48.8	24.2	72.6
148	63.6	31.7	95.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#78

Hexachloro-1,3-Butadiene

Concen: 9.098 ppbv

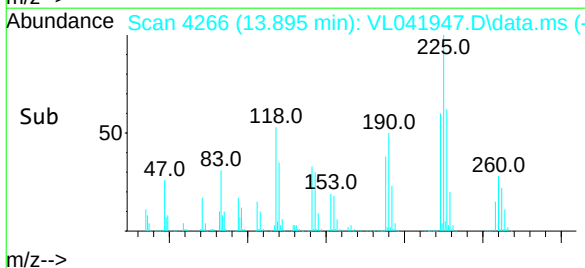
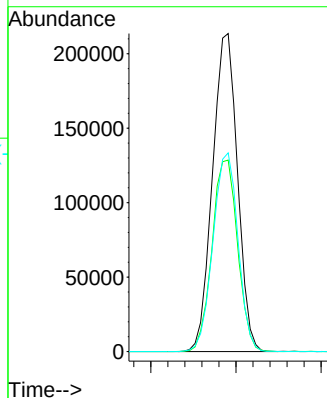
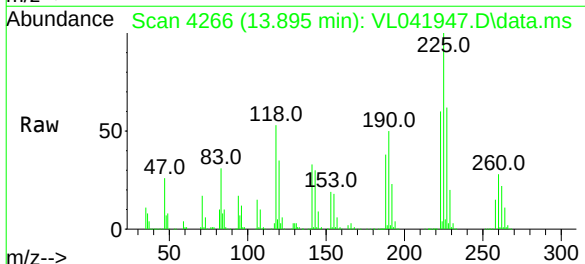
RT: 13.895 min Scan# 4266

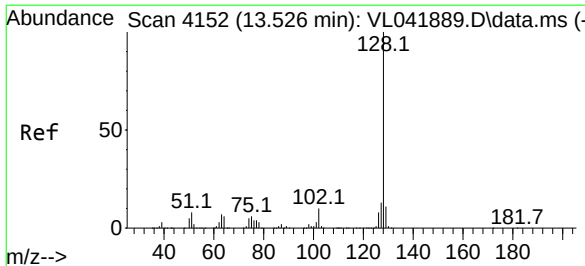
Delta R.T. 0.000 min

Lab File: VL041947.D

Acq: 27 Jan 2025 12:19

Tgt Ion:	225	Resp:	217546
Ion Ratio	Lower	Upper	
225	100		
223	61.8	50.8	76.2
227	62.7	50.3	75.5





#79

Naphthalene

Concen: 9.982 ppbv

RT: 13.526 min Scan# 4152

Delta R.T. 0.000 min

Lab File: VL041947.D

Acq: 27 Jan 2025 12:19

Instrument :

MSVOA_L

ClientSampleId :

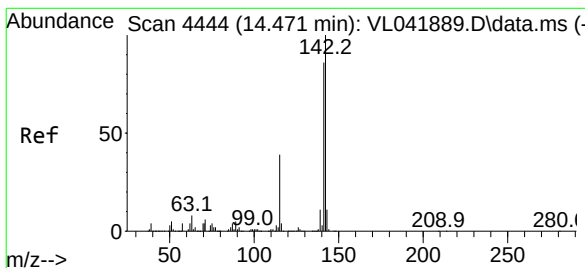
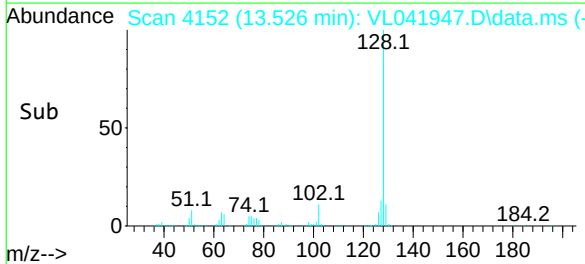
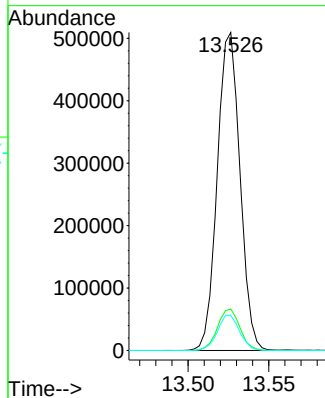
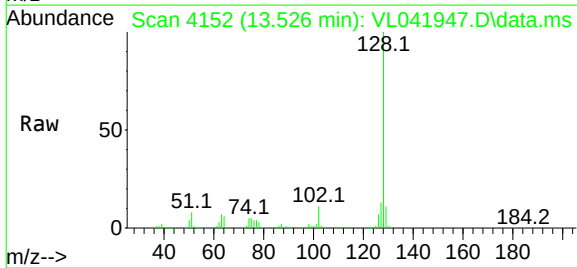
VL0127ABS01

Tgt Ion:	128	Resp:	498588
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.0	9.1	13.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#80

Naphthalene,2-methyl-

Concen: 8.593 ppbv

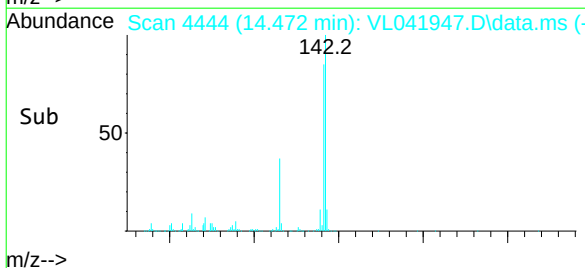
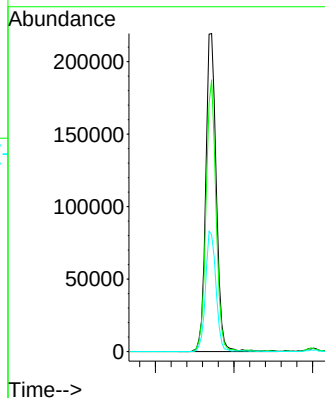
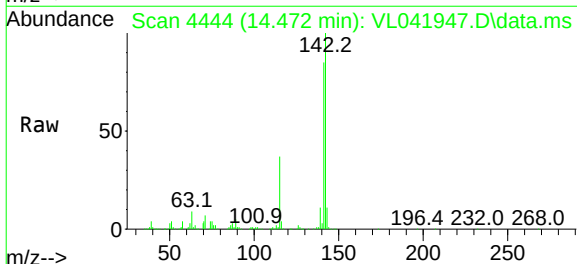
RT: 14.472 min Scan# 4444

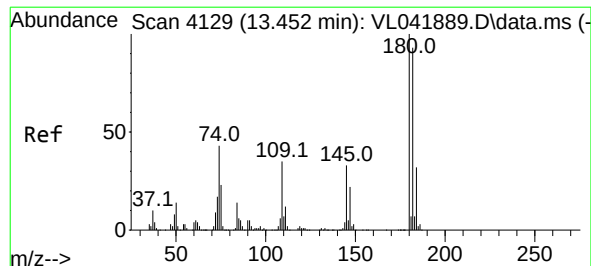
Delta R.T. 0.000 min

Lab File: VL041947.D

Acq: 27 Jan 2025 12:19

Tgt Ion:	142	Resp:	203477
Ion	Ratio	Lower	Upper
142	100		
141	81.7	68.1	102.1
115	38.0	31.7	47.5





#81

1,2,4-Trichlorobenzene

Concen: 9.047 ppbv

RT: 13.452 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041947.D

Acq: 27 Jan 2025 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tgt Ion:180 Resp: 220567

Ion Ratio Lower Upper

180 100

182 95.4 77.0 115.6

184 30.5 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025

Supervised By :Mahesh Dadoda 01/30/2025

